

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061220\
 Data File : BF120609.D
 Acq On : 12 Jun 2020 9:40
 Operator : JU/CG
 Sample : L1161-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Quant Time: Jun 12 10:56:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	148360	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	549044	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	285602	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	551306	20.00	ng	0.00
76) Chrysene-d12	13.95	240	449943	20.00	ng	-0.01
86) Perylene-d12	15.39	264	508558	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1263954	146.06	ng	0.00
7) Phenol-d6	6.43	99	1599320	148.39	ng	0.00
23) Nitrobenzene-d5	7.36	82	994198	101.22	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	492360	148.28	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1787163	95.74	ng	0.00
79) Terphenyl-d14	12.90	244	2062912	101.27	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.47	88	30797	7.509	ng	97
3) Pyridine	3.27	79	62931	5.458	ng	98
4) n-Nitrosodimethylamine	3.15	42	33794	7.063	ng	94
6) Aniline	6.46	93	114519	8.302	ng	97
8) 2-Chlorophenol	6.58	128	74998	7.670	ng	92
9) Benzaldehyde	6.35	77	64855	9.514	ng	95
10) Phenol	6.45	94	96649	8.405	ng	93
11) bis(2-Chloroethyl)ether	6.53	93	73383	7.661	ng	97
12) 1,3-Dichlorobenzene	6.74	146	81910	7.879	ng	99
13) 1,4-Dichlorobenzene	6.82	146	84229	8.212	ng	97
14) 1,2-Dichlorobenzene	6.97	146	77827	7.789	ng	98
15) Benzyl Alcohol	6.93	79	72554	9.492	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.07	45	108118	7.839	ng	98
17) 2-Methylphenol	7.05	107	62101	7.446	ng	98
18) Hexachloroethane	7.31	117	29405	7.780	ng	94
19) n-Nitroso-di-n-propylamine	7.20	70	52543	8.404	ng	96
20) 3+4-Methylphenols	7.20	107	77869	7.472	ng	# 68
22) Acetophenone	7.20	105	110625	9.012	ng	# 97
24) Nitrobenzene	7.38	77	82242	8.001	ng	98
25) Isophorone	7.62	82	143455	7.497	ng	98
26) 2-Nitrophenol	7.69	139	36133	6.645	ng	99
27) 2,4-Dimethylphenol	7.73	122	55780	6.967	ng	99
28) bis(2-Chloroethoxy)methane	7.83	93	91789	8.276	ng	98
29) 2,4-Dichlorophenol	7.93	162	60708	7.459	ng	99
30) 1,2,4-Trichlorobenzene	8.02	180	70140	7.776	ng	96
31) Naphthalene	8.10	128	227214	8.428	ng	99
32) Benzoic acid	7.80	122	16969	2.762	ng	97
33) 4-Chloroaniline	8.15	127	92517	7.476	ng	99
34) Hexachlorobutadiene	8.22	225	40201	7.646	ng	99
35) Caprolactam	8.48	113	19759	7.591	ng	# 85
36) 4-Chloro-3-methylphenol	8.63	107	62067	7.633	ng	99
37) 2-Methylnaphthalene	8.79	142	152228	8.650	ng	99
38) 1-Methylnaphthalene	8.89	142	142734	8.619	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	72457	8.497	ng	98

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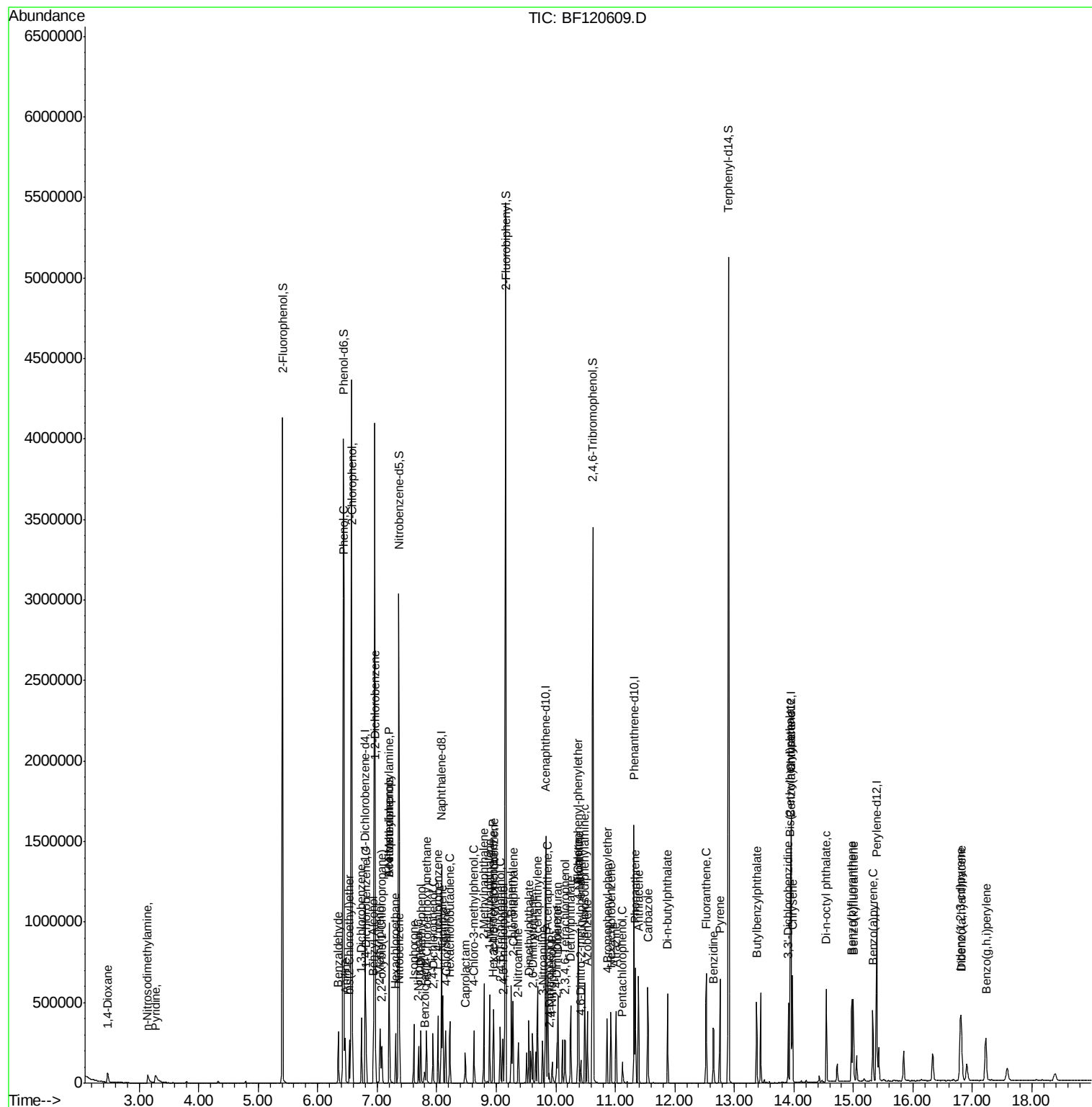
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	27655	5.787	ng	99
43) 2,4,6-Trichlorophenol	9.07	196	43043	7.115	ng	100
44) 2,4,5-Trichlorophenol	9.11	196	46853	6.827	ng	98
46) 1,1'-Biphenyl	9.26	154	193982	9.096	ng	98
47) 2-Chloronaphthalene	9.28	162	141182	8.096	ng	98
48) 2-Nitroaniline	9.37	65	39792	7.265	ng	85
49) Acenaphthylene	9.69	152	226212	8.405	ng	98
50) Dimethylphthalate	9.55	163	160376	7.797	ng	98
51) 2,6-Dinitrotoluene	9.61	165	33215	7.125	ng	91
52) Acenaphthene	9.86	154	137677	8.577	ng	99
53) 3-Nitroaniline	9.78	138	37388	6.678	ng	99
54) 2,4-Dinitrophenol	9.89	184	8743	3.499	ng	# 83
55) Dibenzofuran	10.03	168	207643	8.437	ng	97
56) 4-Nitrophenol	9.94	139	24934	5.913	ng	95
57) 2,4-Dinitrotoluene	10.02	165	42591	6.886	ng	97
58) Fluorene	10.38	166	156751	8.262	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.16	232	36415	6.744	ng	96
60) Diethylphthalate	10.25	149	162194	8.006	ng	99
61) 4-Chlorophenyl-phenylether	10.37	204	80540	8.220	ng	90
62) 4-Nitroaniline	10.39	138	37285	6.708	ng	99
63) Azobenzene	10.53	77	156609	8.516	ng	98
65) 4,6-Dinitro-2-methylphenol	10.42	198	16665	5.038	ng	93
66) n-Nitrosodiphenylamine	10.49	169	141257	8.344	ng	98
67) 4-Bromophenyl-phenylether	10.86	248	47097	7.527	ng	98
68) Hexachlorobenzene	10.93	284	54112	8.044	ng	98
69) Atrazine	11.01	200	44415	8.478	ng	99
70) Pentachlorophenol	11.12	266	18207	4.868	ng	100
71) Phenanthrene	11.34	178	234867	8.570	ng	98
72) Anthracene	11.39	178	237449	8.596	ng	99
73) Carbazole	11.54	167	216280	7.909	ng	100
74) Di-n-butylphthalate	11.88	149	257794	8.386	ng	98
75) Fluoranthene	12.53	202	255860	8.166	ng	97
77) Benzidine	12.65	184	133634	8.782	ng	96
78) Pyrene	12.76	202	267275	8.385	ng	98
80) Butylbenzylphthalate	13.37	149	103262	7.296	ng	99
81) Benzo(a)anthracene	13.94	228	240538	8.898	ng	98
82) 3,3'-Dichlorobenzidine	13.90	252	97280	9.421	ng	97
83) Chrysene	13.97	228	237944	8.581	ng	98
84) Bis(2-ethylhexyl)phthalate	13.93	149	150593	8.718	ng	97
85) Di-n-octyl phthalate	14.54	149	259029	7.857	ng	98
87) Indeno(1,2,3-cd)pyrene	16.80	276	264196	8.540	ng	98
88) Benzo(b)fluoranthene	14.97	252	227878	7.522	ng	98
89) Benzo(k)fluoranthene	15.00	252	230004	8.580	ng	97
90) Benzo(a)pyrene	15.33	252	203664	7.512	ng	99
91) Dibenzo(a,h)anthracene	16.82	278	219001	8.828	ng	98
92) Benzo(g,h,i)perylene	17.23	276	220480	8.818	ng	98

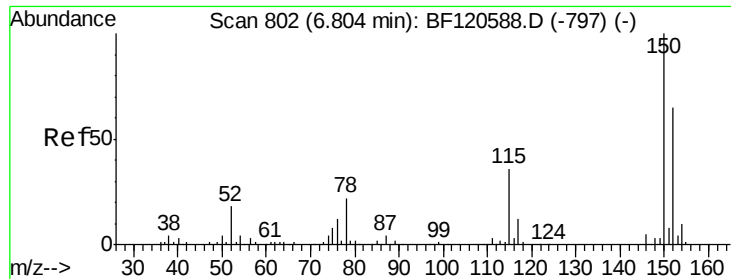
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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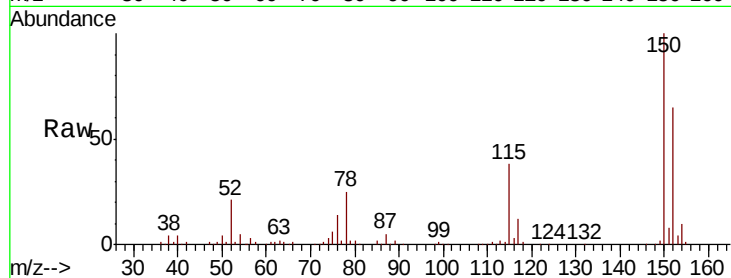


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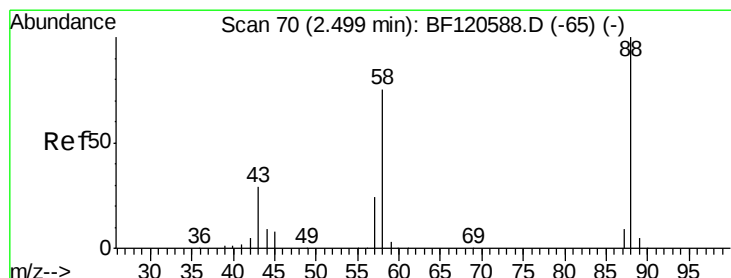
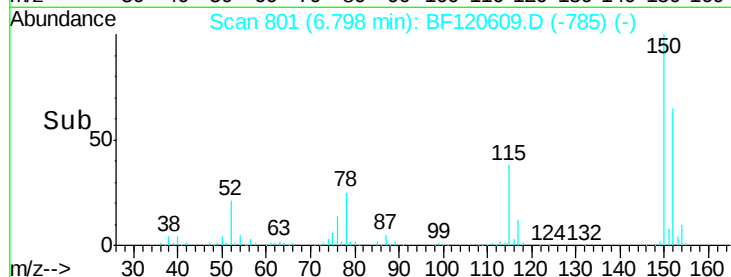
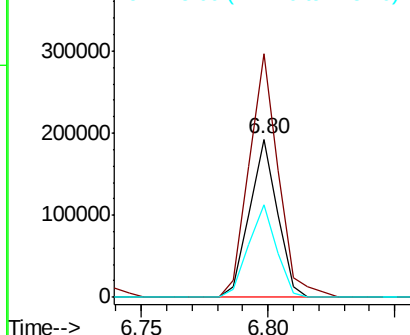
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion:152 Resp: 148360
Ion Ratio Lower Upper
152 100
150 153.7 123.2 184.8
115 58.3 43.9 65.9



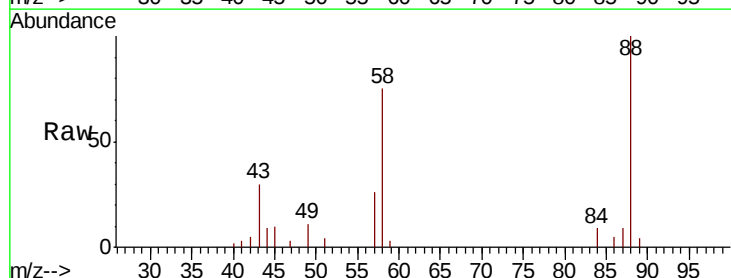
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



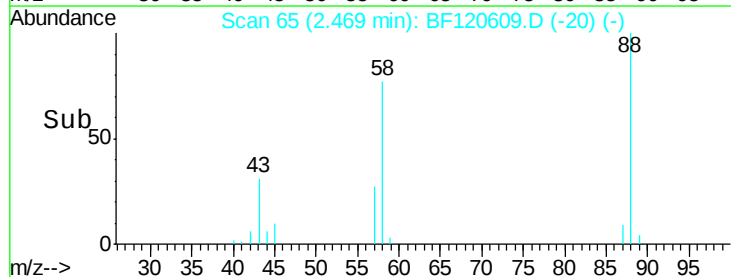
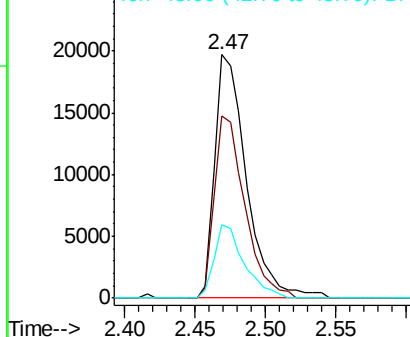
#2

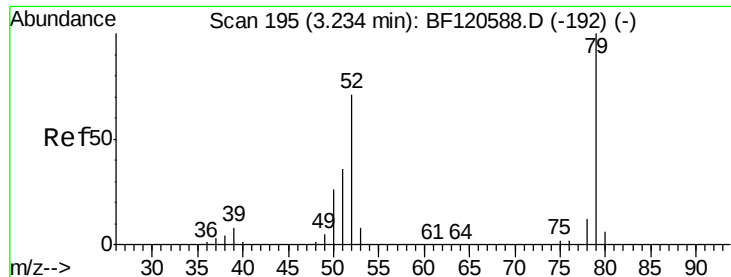
1,4-Dioxane
Concen: 7.509 ng
RT: 2.47 min Scan# 65
Delta R.T. -0.04 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion: 88 Resp: 30797
Ion Ratio Lower Upper
88 100
58 71.5 59.6 89.4
43 28.4 23.1 34.7



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 5.458 ng

RT: 3.27 min Scan# 202

Delta R.T. 0.04 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2020

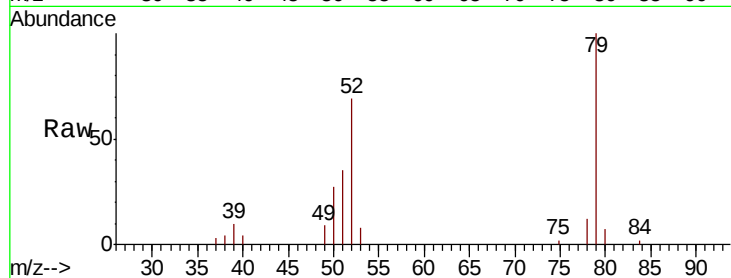
Tot Ion: 79 Resp: 62931

Ion Ratio Lower Upper

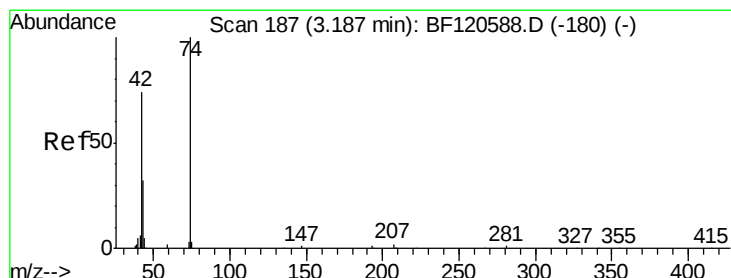
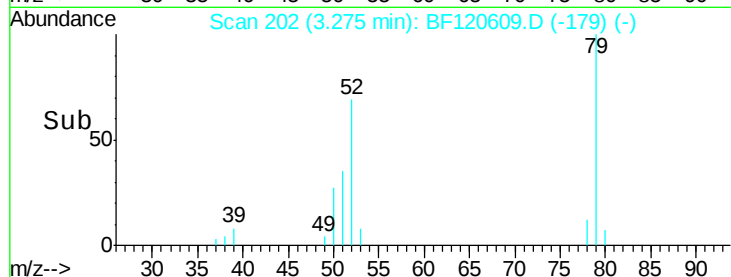
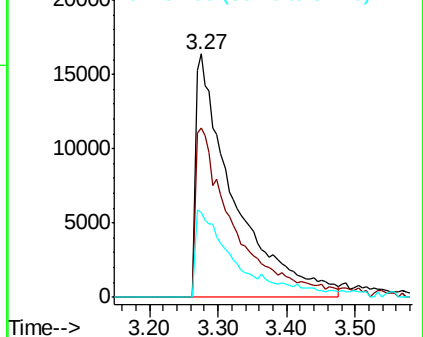
79 100

52 69.3 57.0 85.6

51 35.1 28.5 42.7



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 7.063 ng

RT: 3.15 min Scan# 180

Delta R.T. -0.05 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

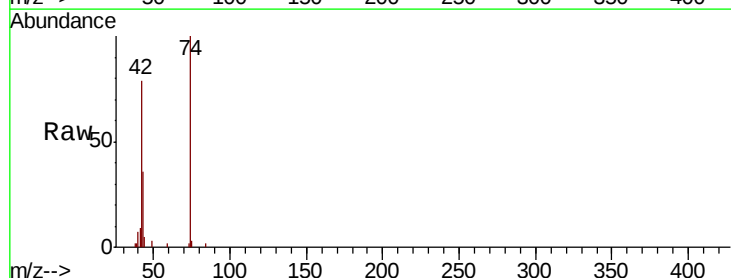
Tgt Ion: 42 Resp: 33794

Ion Ratio Lower Upper

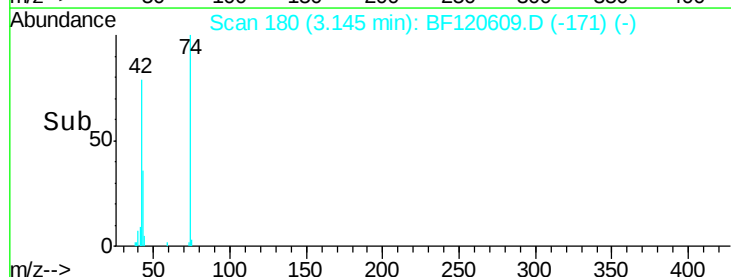
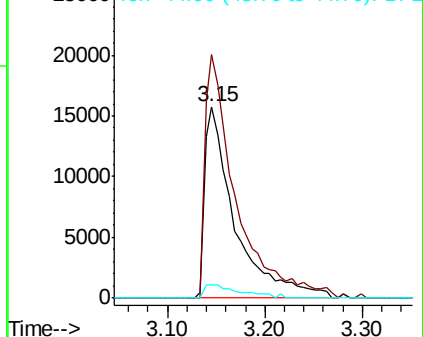
42 100

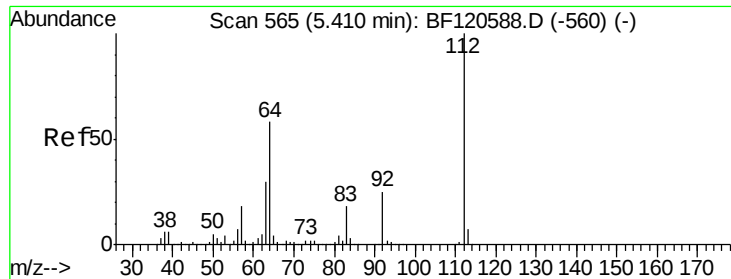
74 127.2 107.8 161.6

44 7.0 5.1 7.7



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 146.063 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF120609.D

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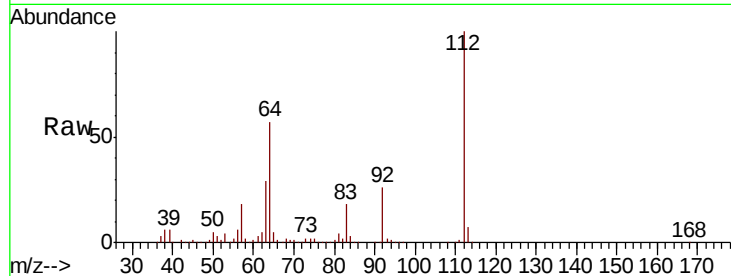
Tot Ion:112 Resp: 1263954

Ion Ratio Lower Upper

112 100

64 56.6 46.1 69.1

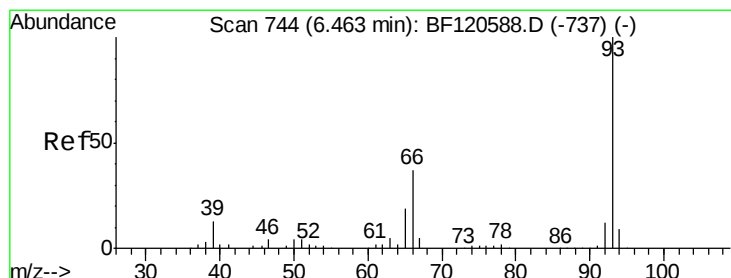
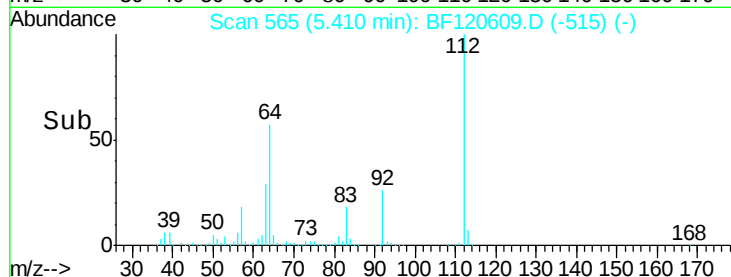
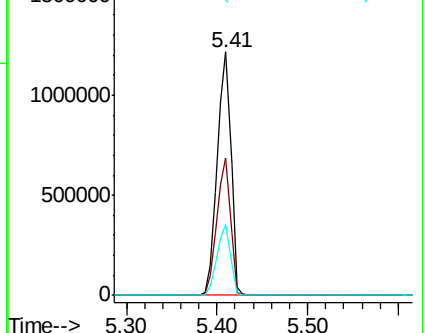
63 29.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 8.302 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

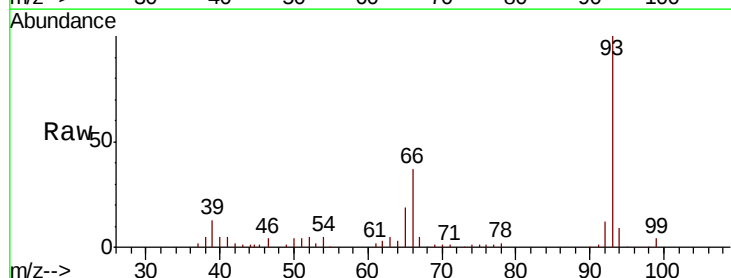
Tgt Ion: 93 Resp: 114519

Ion Ratio Lower Upper

93 100

66 36.9 30.9 46.3

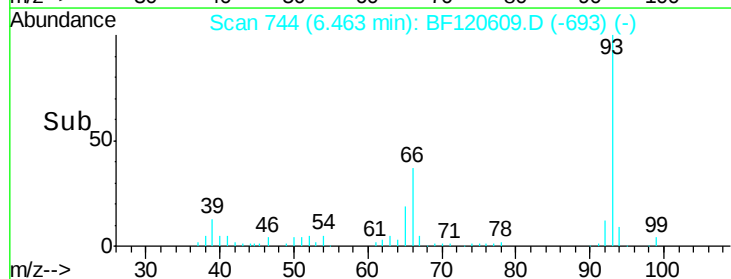
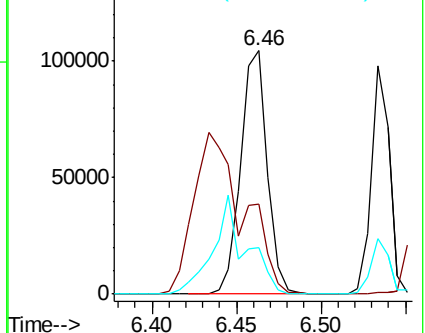
65 19.0 15.9 23.9

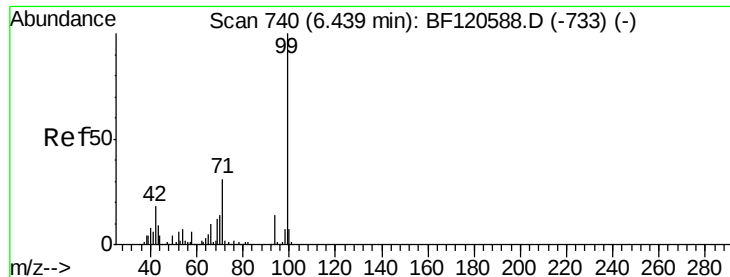


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 148.389 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

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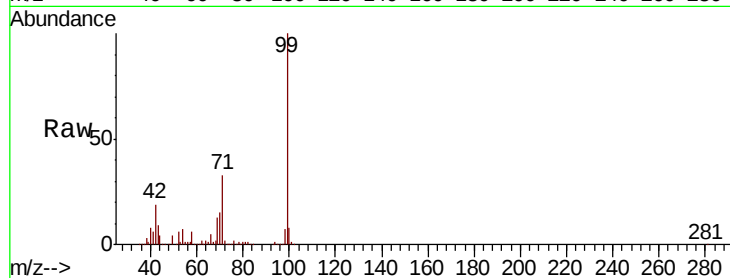
Tot Ion: 99 Resp: 1599320

Ion Ratio Lower Upper

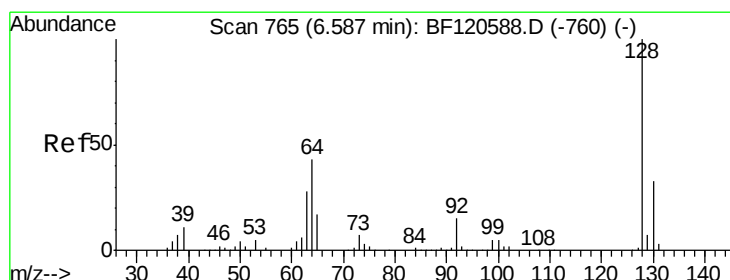
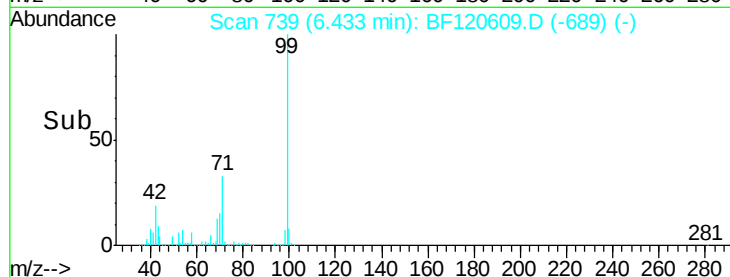
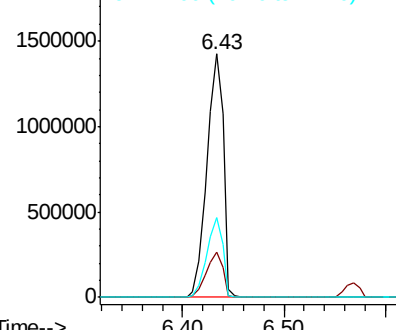
99 100

42 18.8 14.0 21.0

71 32.7 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 7.670 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF120609.D

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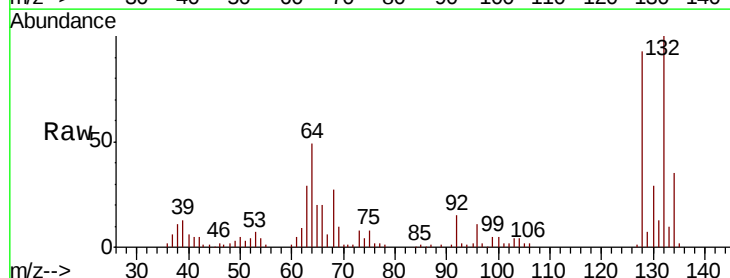
Tgt Ion:128 Resp: 74998

Ion Ratio Lower Upper

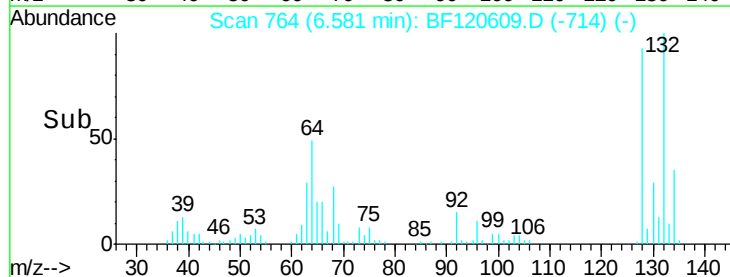
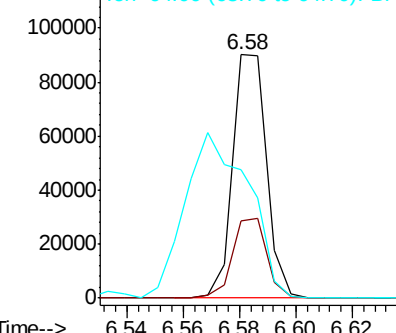
128 100

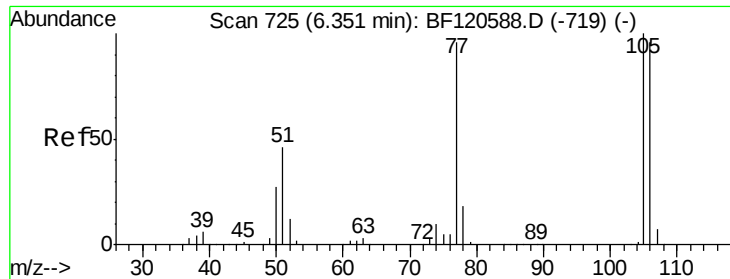
130 31.7 12.6 52.6

64 52.8 24.3 64.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1

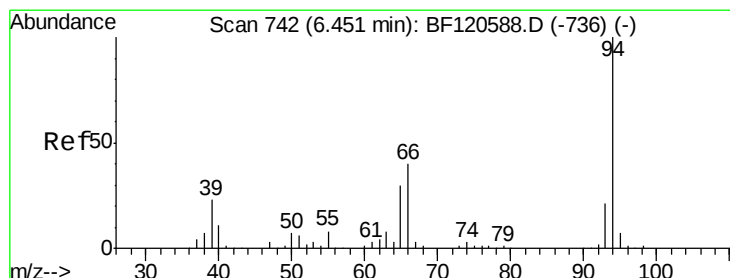
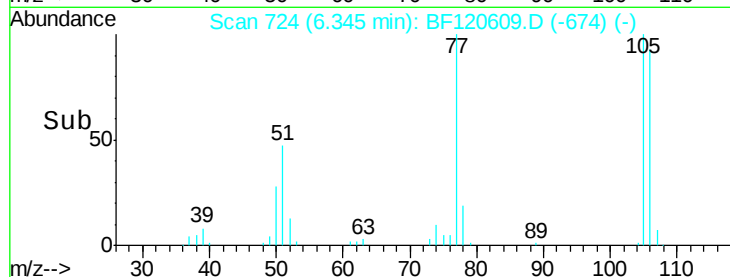
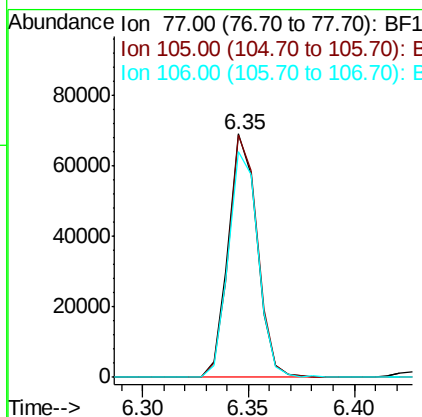
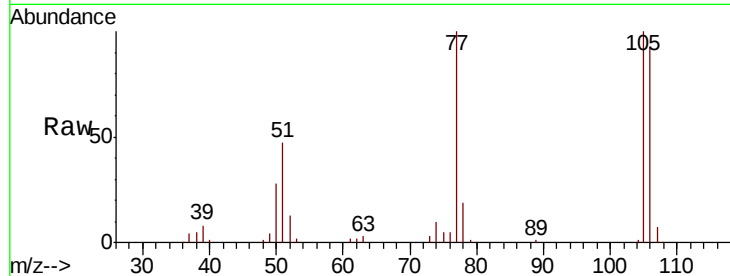




#9
Benzaldehyde
Concen: 9.514 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

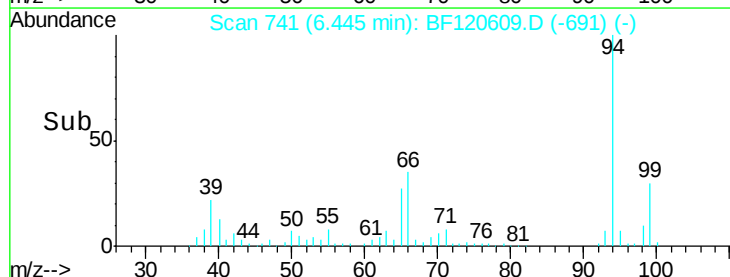
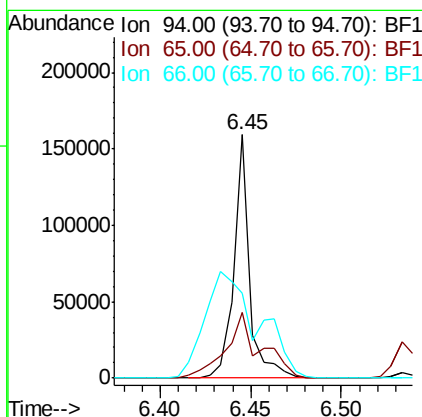
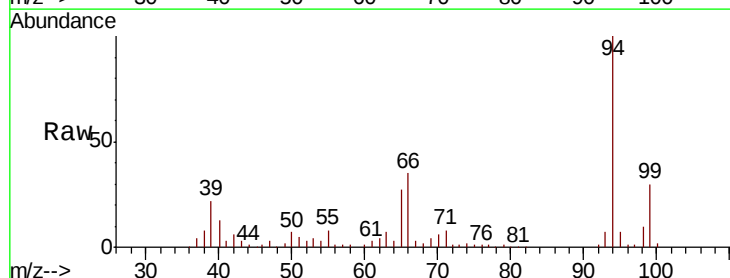
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

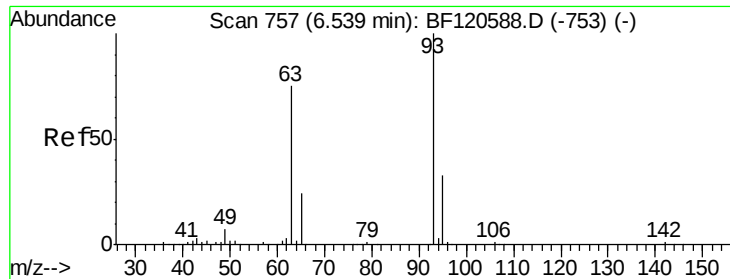
Tot Ion: 77 Resp: 64855
Ion Ratio Lower Upper
77 100
105 99.6 83.8 123.8
106 92.6 79.3 119.3



#10
Phenol
Concen: 8.405 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion: 94 Resp: 96649
Ion Ratio Lower Upper
94 100
65 26.8 9.9 49.9
66 34.9 20.1 60.1

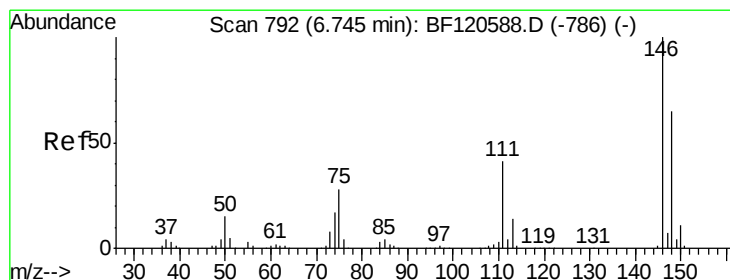
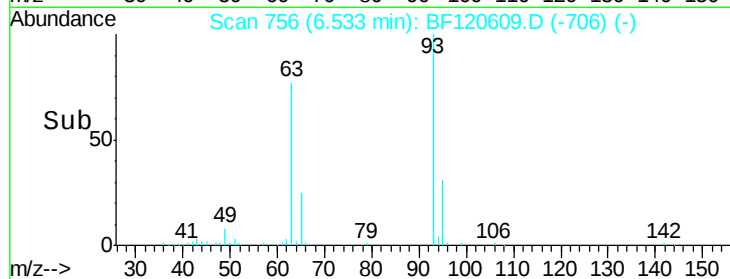
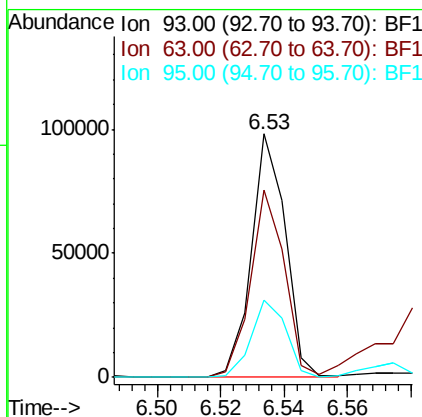
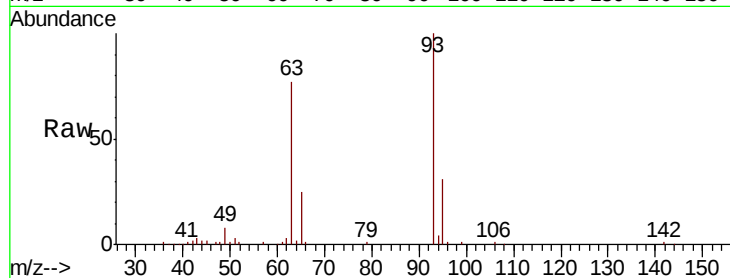




#11
 bis(2-Chloroethyl)ether
 Concen: 7.661 ng
 RT: 6.53 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

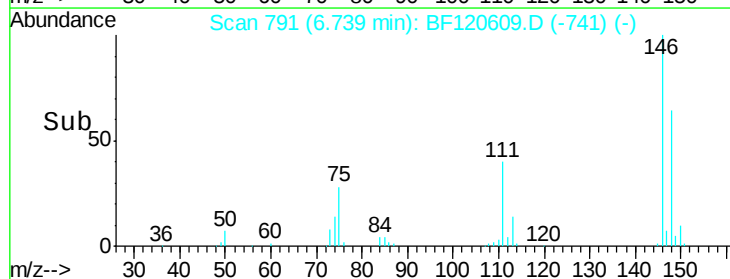
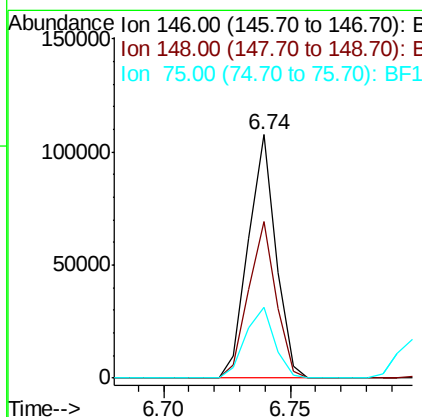
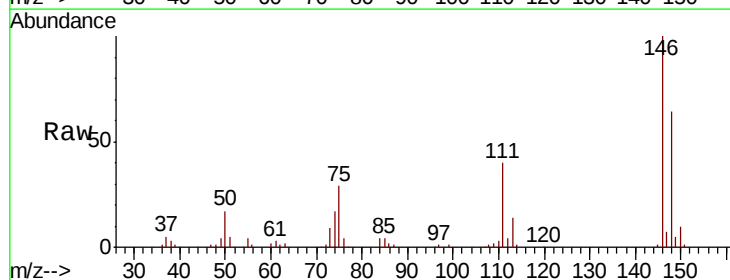
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

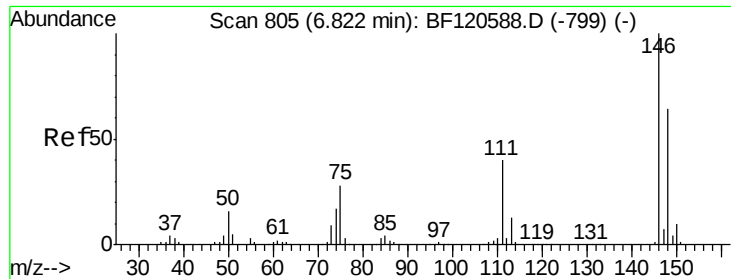
Tot Ion	Ratio	Lower	Upper
93	100		
63	77.0	54.4	94.4
95	31.5	12.9	52.9



#12
 1,3-Dichlorobenzene
 Concen: 7.879 ng
 RT: 6.74 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.8	77.6
75	29.1	22.2	33.4

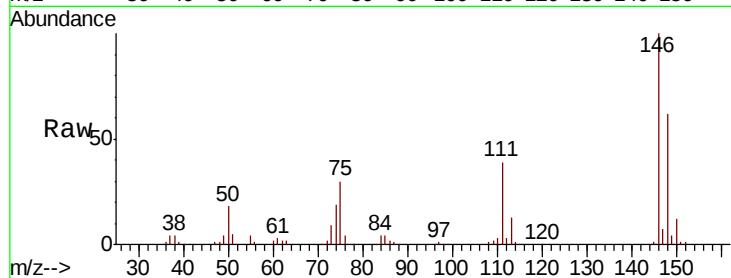




#13
 1,4-Dichlorobenzene
 Concen: 8.212 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
148	61.5	51.5	77.3
111	39.3	32.2	48.4

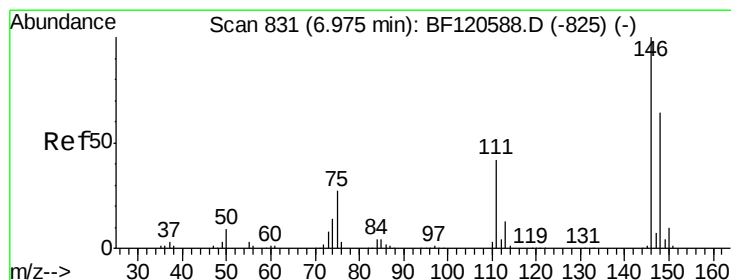
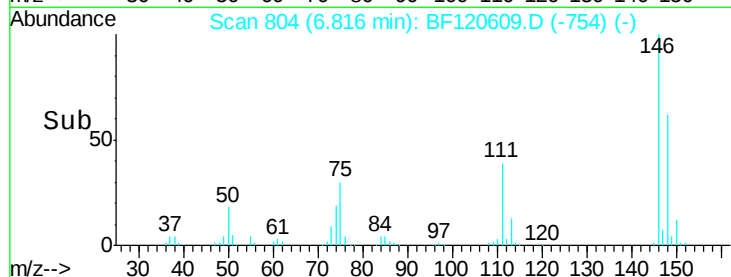
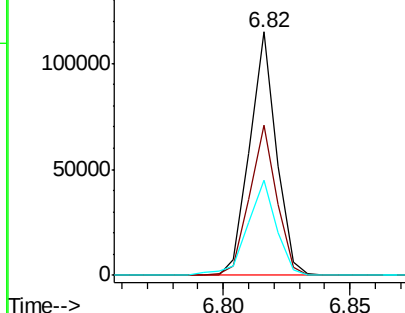


Abundance

Ion 146.00 (145.70 to 146.70): E

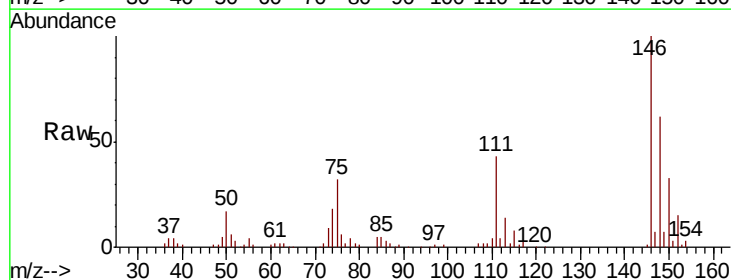
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 7.789 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.0	50.8	76.2
111	43.1	33.6	50.4

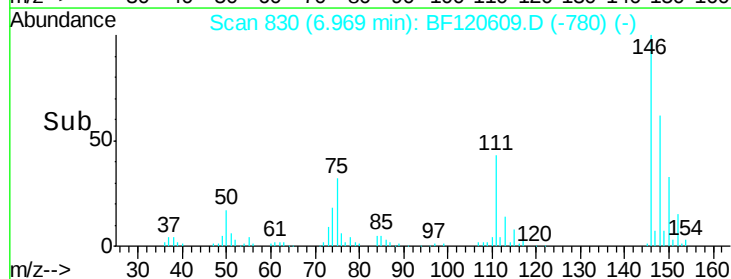
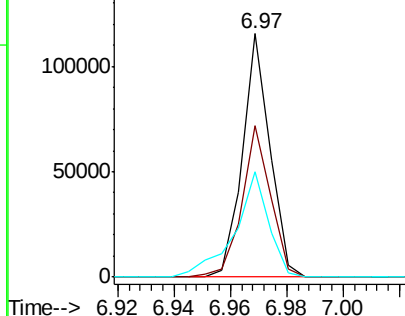


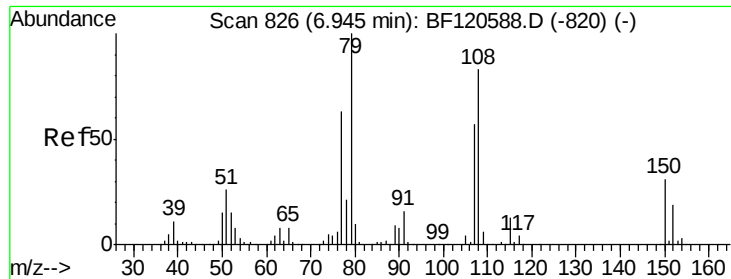
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 9.492 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2020

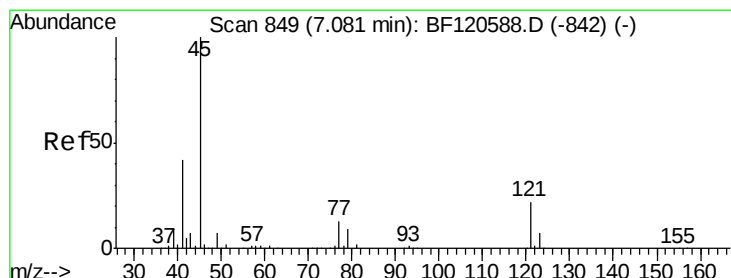
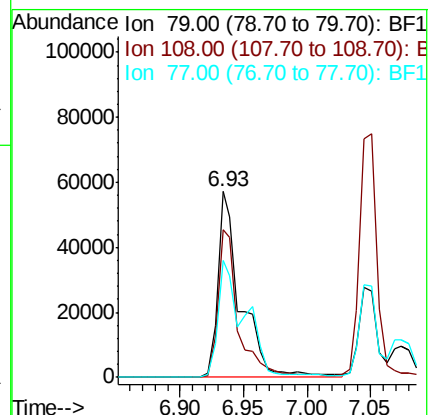
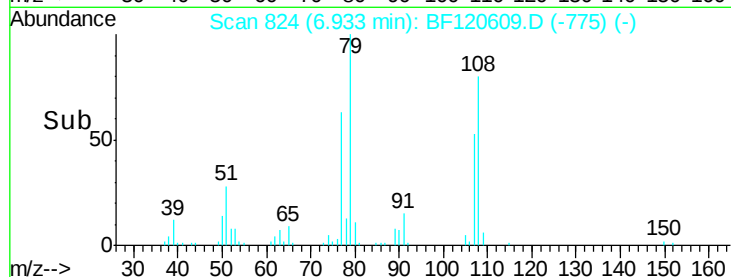
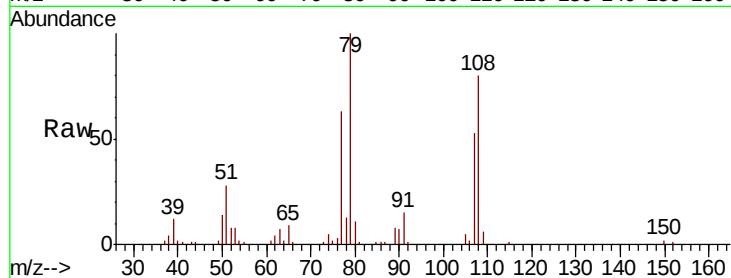
Tot Ion: 79 Resp: 72554

Ion Ratio Lower Upper

79 100

108 79.5 66.8 100.2

77 63.0 50.6 76.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 7.839 ng

RT: 7.07 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

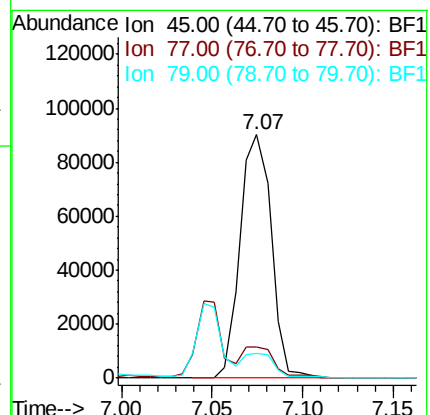
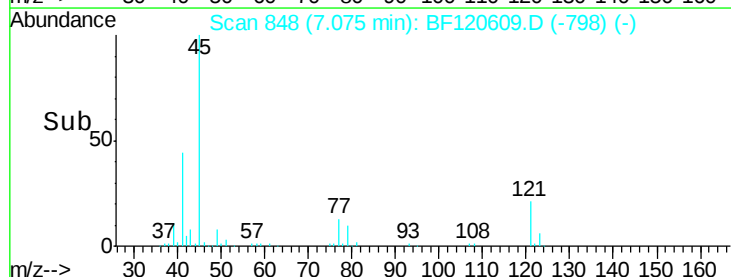
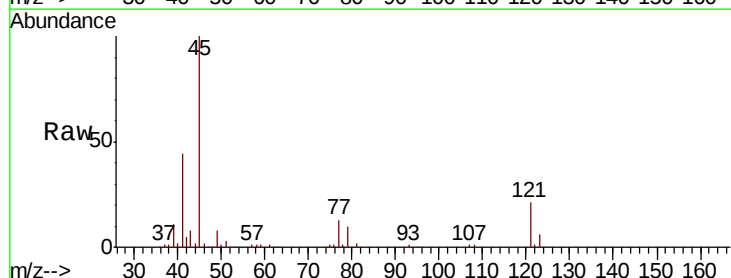
Tgt Ion: 45 Resp: 108118

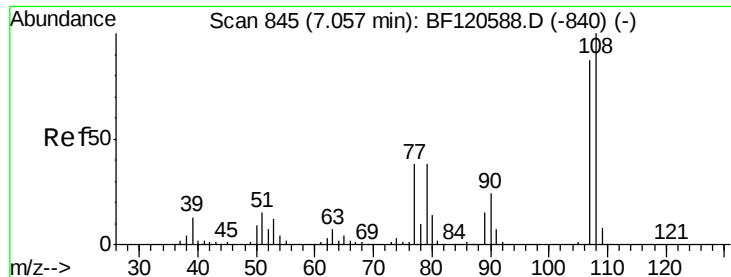
Ion Ratio Lower Upper

45 100

77 12.9 0.0 34.2

79 10.4 0.0 30.9





#17

2-Methylphenol

Concen: 7.446 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:107 Resp: 62101

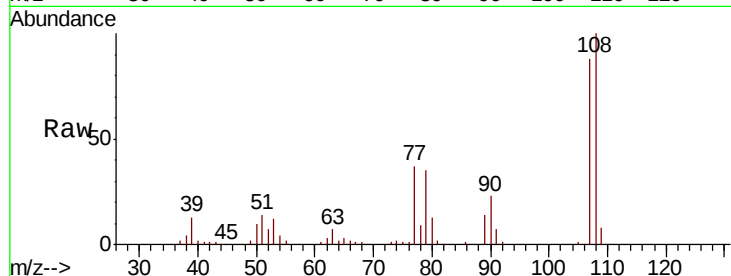
Ion Ratio Lower Upper

107 100

108 114.3 91.9 137.9

77 42.8 35.4 53.2

79 40.3 34.8 52.2

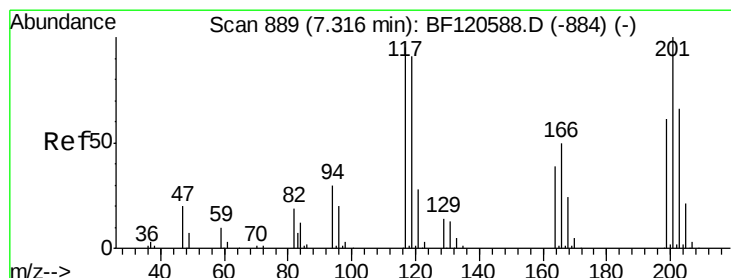
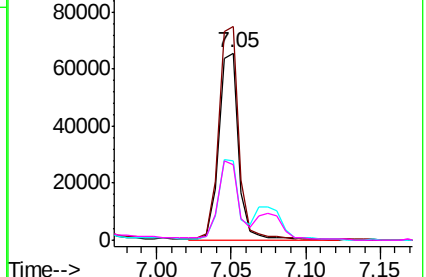
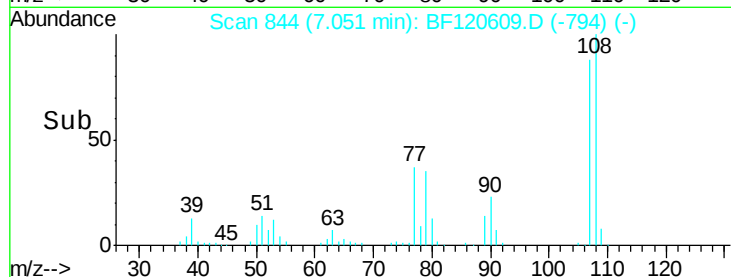


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 7.780 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

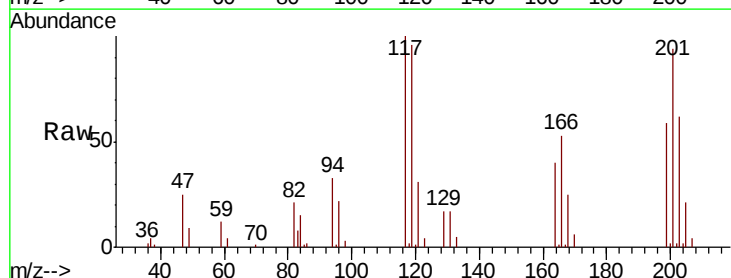
Tgt Ion:117 Resp: 29405

Ion Ratio Lower Upper

117 100

119 95.7 76.9 115.3

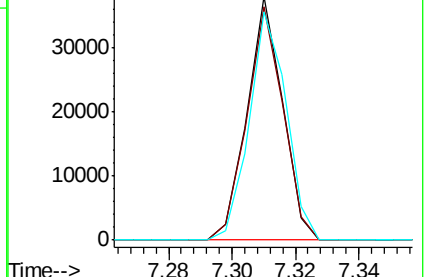
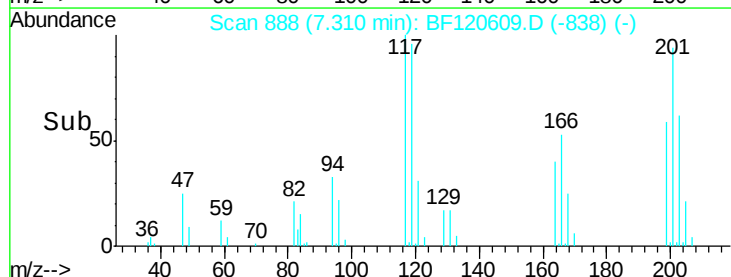
201 93.6 84.6 127.0

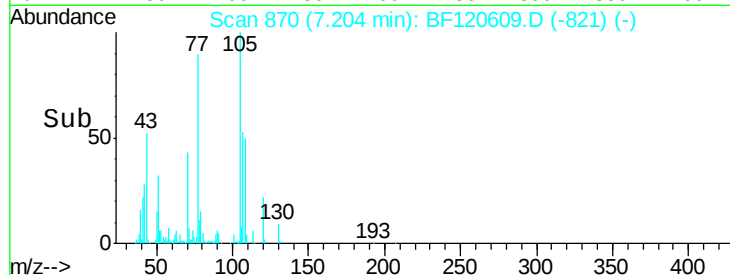
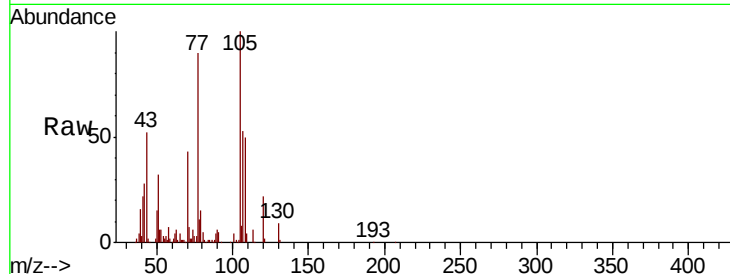
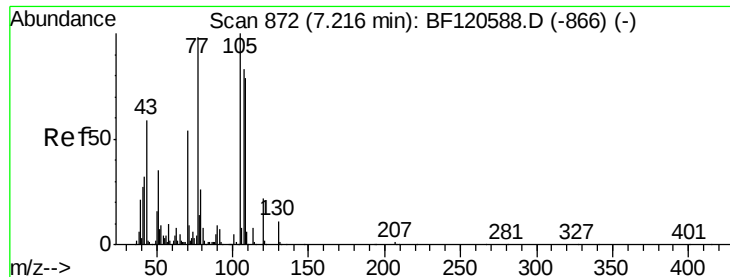


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

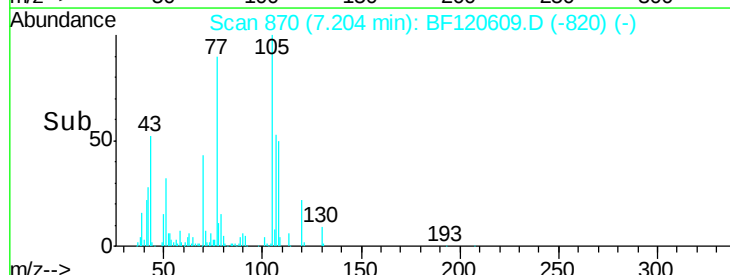
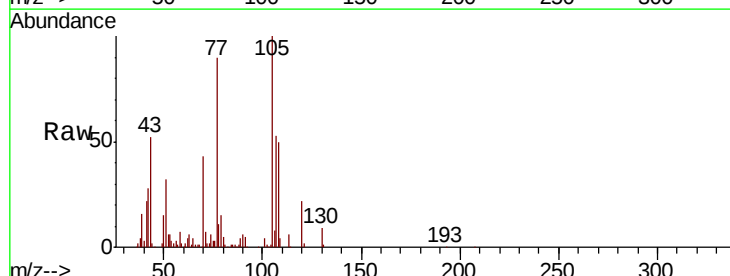
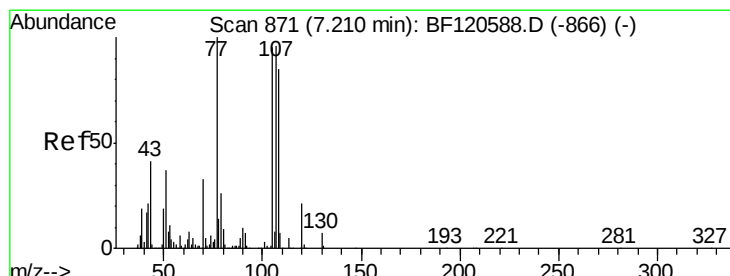
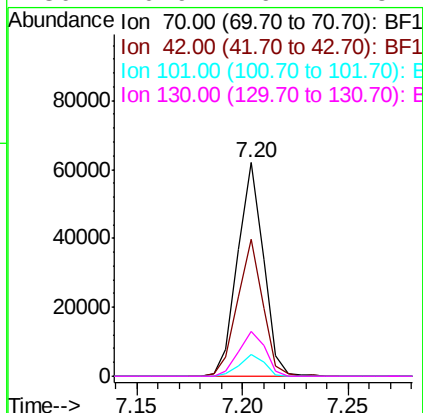




#19
n-Nitroso-di-n-propylamine
Concen: 8.404 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

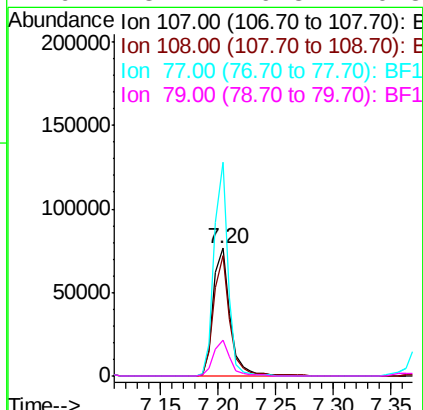
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

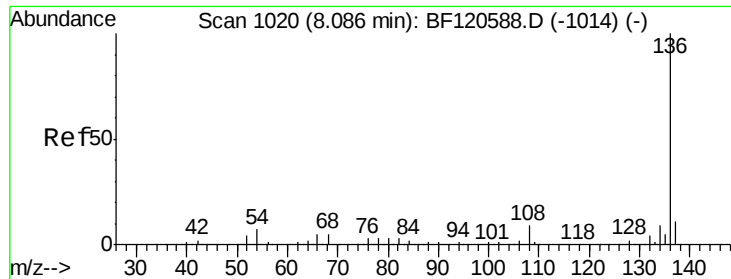
Tot Ion:	70	Resp:	52543
Ion	Ratio	Lower	Upper
70	100		
42	64.0	47.7	71.5
101	10.0	7.6	11.4
130	20.9	16.7	25.1



#20
3+4-Methylphenols
Concen: 7.472 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion:	107	Resp:	77869
Ion	Ratio	Lower	Upper
107	100		
108	94.0	68.7	108.7
77	167.6	84.2	124.2#
79	28.4	6.8	46.8

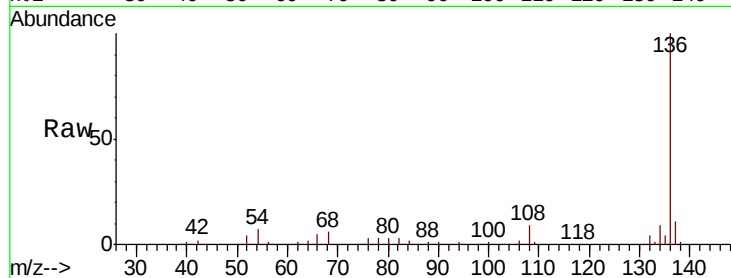




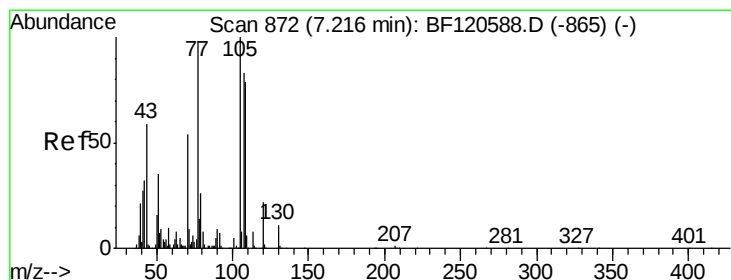
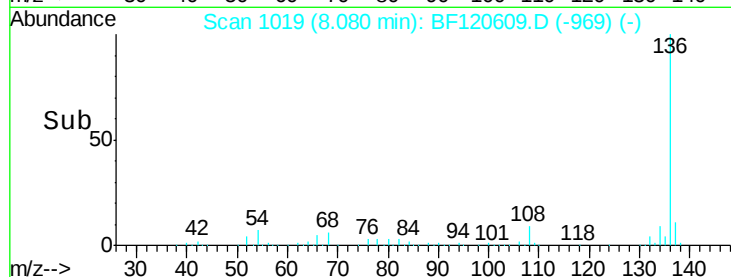
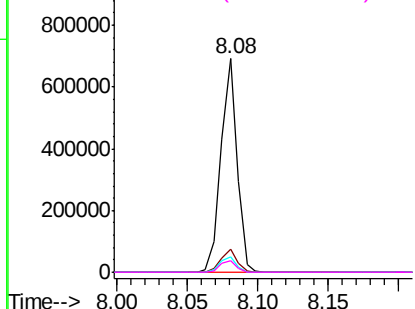
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion:136	Resp:	549044
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.6 13.0
54	7.4	5.8 8.6
68	5.7	4.4 6.6

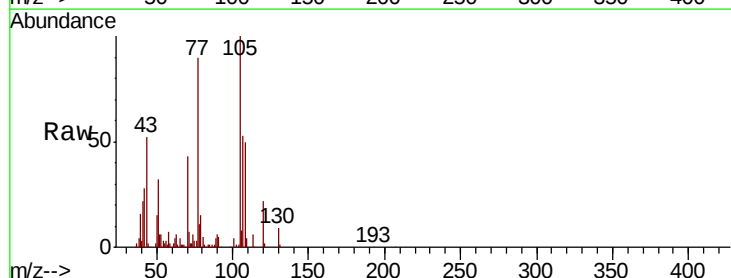


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

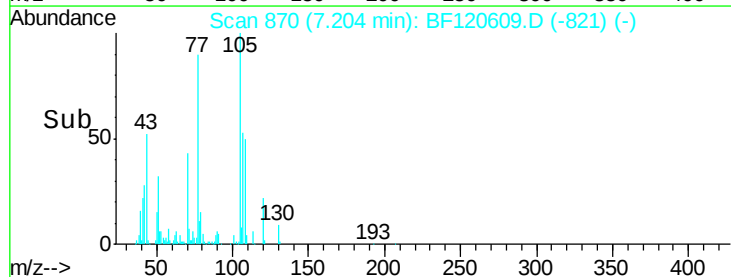
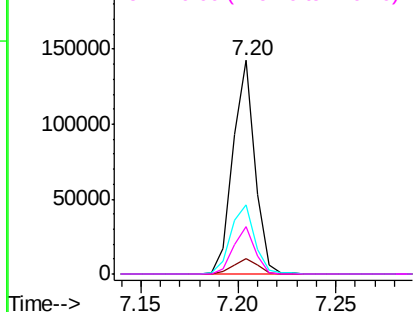


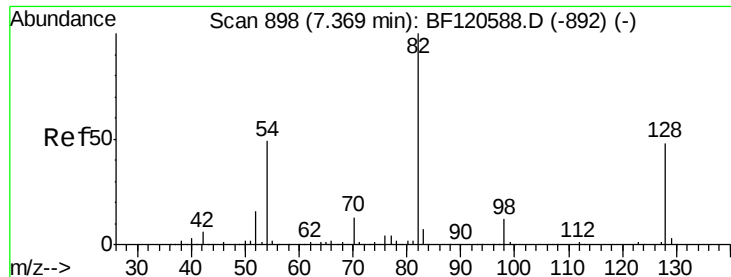
#22
Acetophenone
Concen: 9.012 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion:105	Resp:	110625
Ion Ratio	Lower	Upper
105	100	
71	7.2	7.2 10.8#
51	32.3	27.8 41.8
120	22.3	18.0 27.0



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

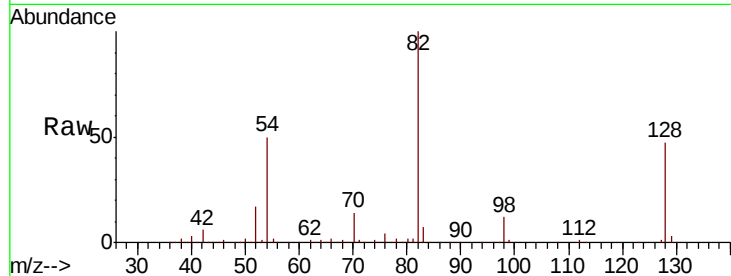




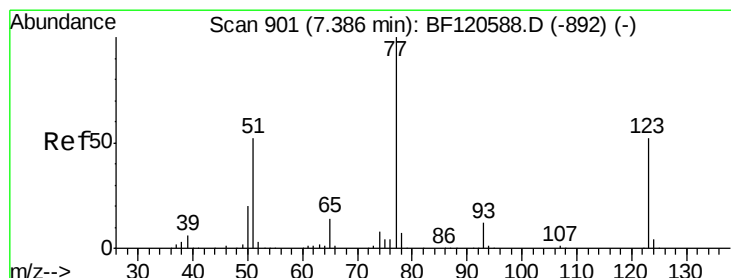
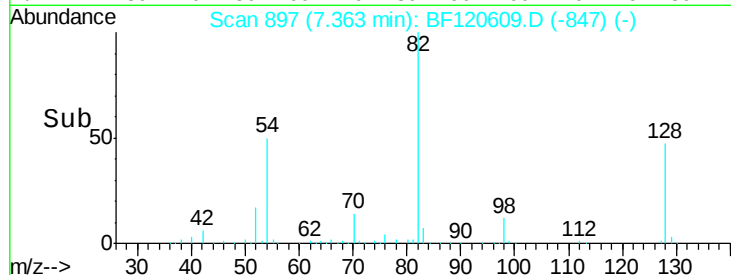
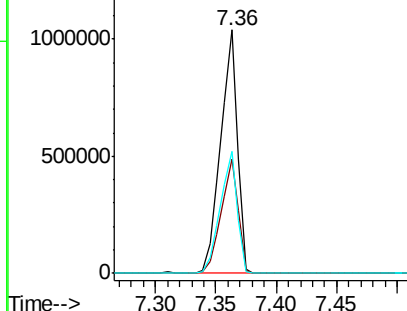
#23
 Nitrobenzene-d5
 Concen: 101.217 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Tot Ion	82	Resp	994198
Ion Ratio	100	Lower	Upper
128	47.2	38.0	57.0
54	50.0	38.8	58.2

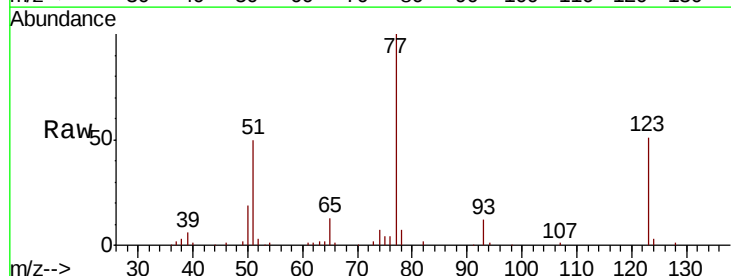


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

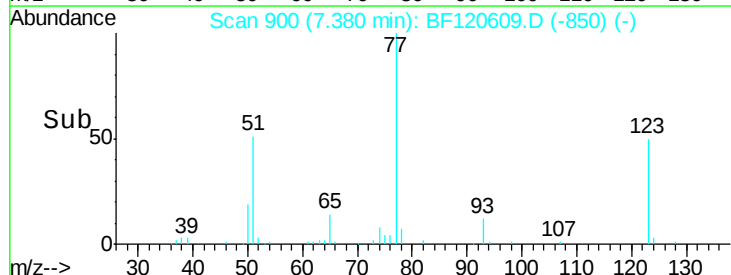
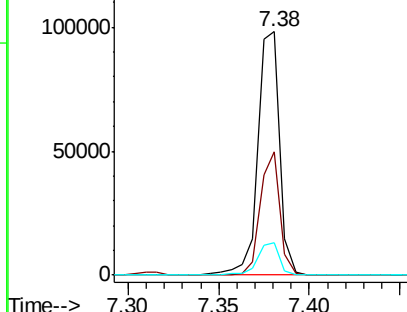


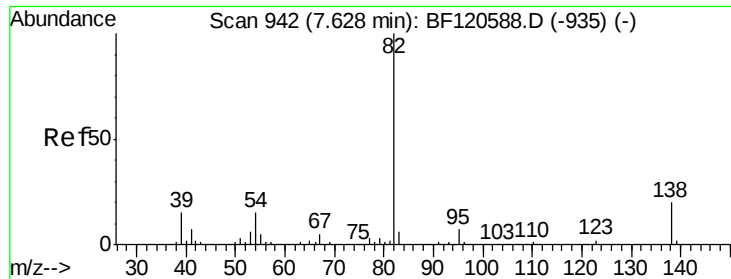
#24
 Nitrobenzene
 Concen: 8.001 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion	77	Resp	82242
Ion Ratio	100	Lower	Upper
123	50.5	41.4	62.0
65	13.2	11.0	16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 7.497 ng

RT: 7.62 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2020

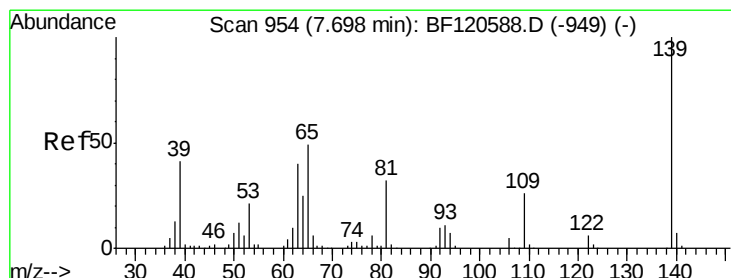
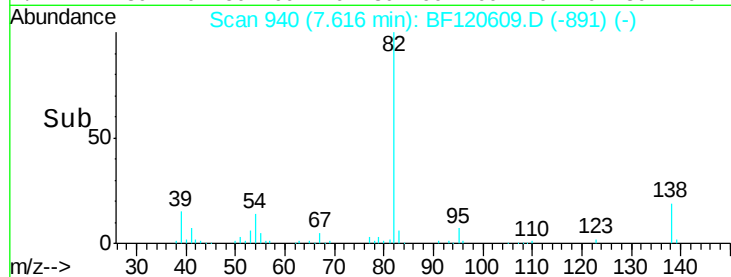
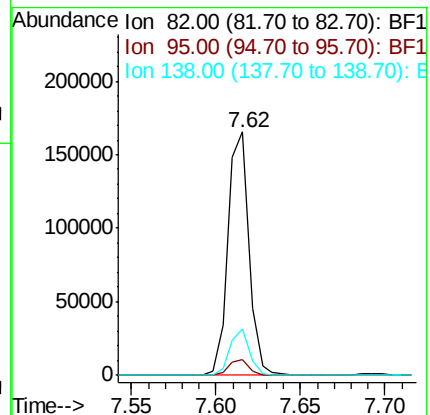
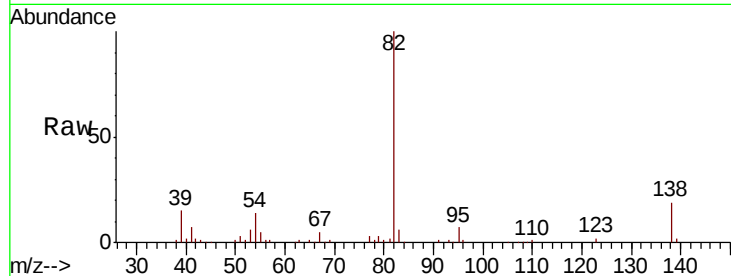
Tot Ion: 82 Resp: 143455

Ion Ratio Lower Upper

82 100

95 6.5 5.7 8.5

138 19.1 16.2 24.4



#26

2-Nitrophenol

Concen: 6.645 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

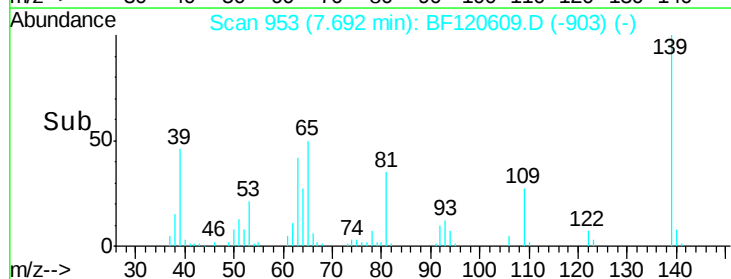
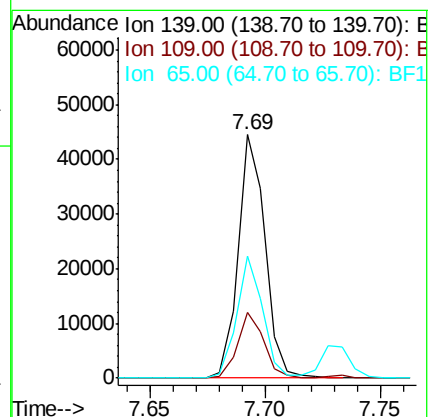
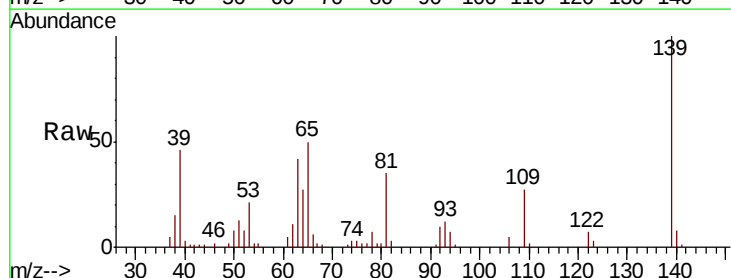
Tgt Ion: 139 Resp: 36133

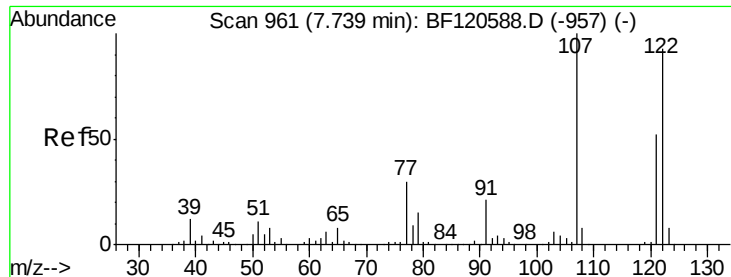
Ion Ratio Lower Upper

139 100

109 26.8 21.1 31.7

65 50.1 39.4 59.0

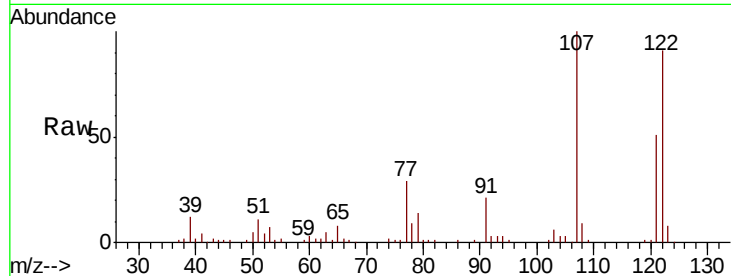




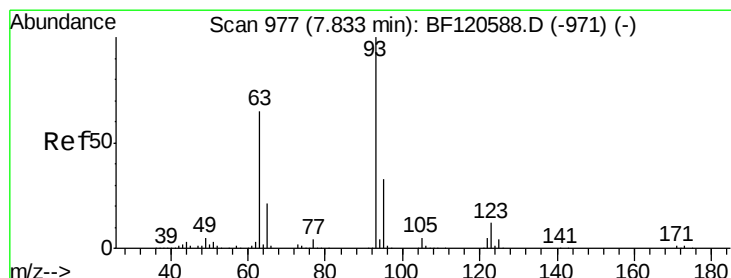
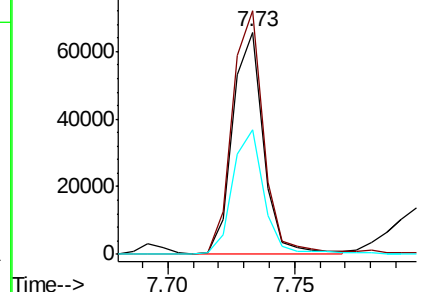
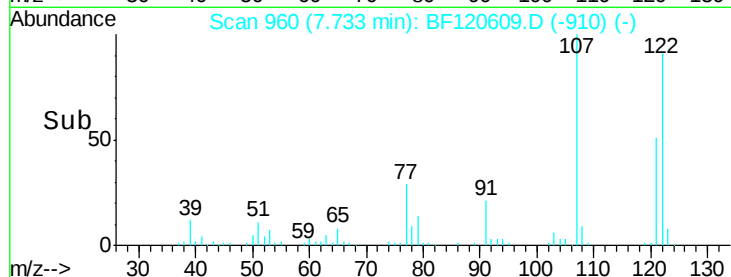
#27
2,4-Dimethylphenol
Concen: 6.967 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion:122 Resp: 55780
Ion Ratio Lower Upper
122 100
107 109.4 86.4 129.6
121 55.9 45.2 67.8

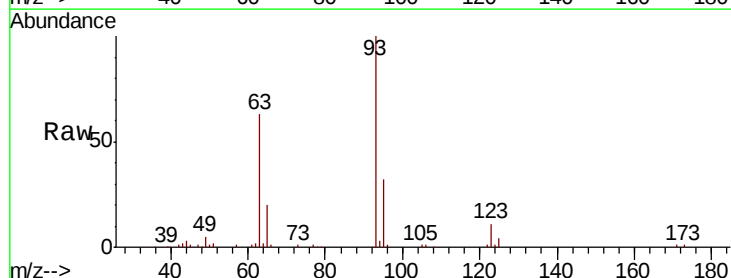


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

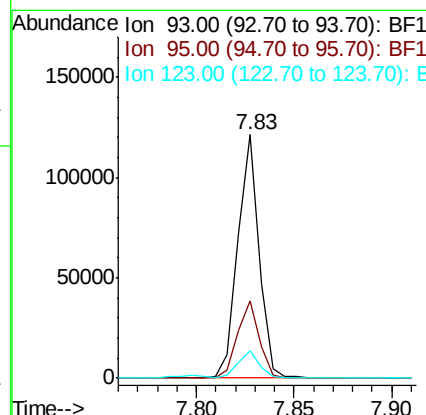
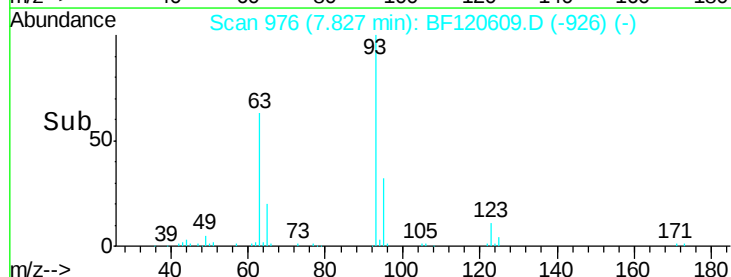


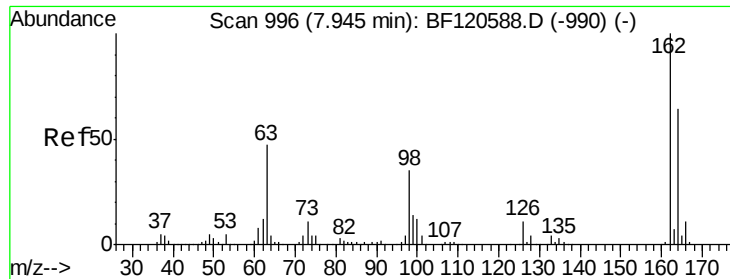
#28
bis(2-Chloroethoxy)methane
Concen: 8.276 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion: 93 Resp: 91789
Ion Ratio Lower Upper
93 100
95 31.6 26.2 39.4
123 11.3 9.5 14.3



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E

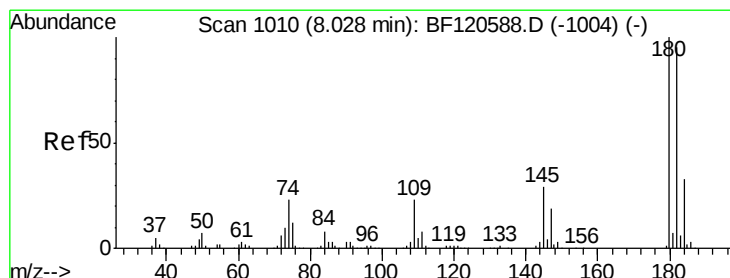
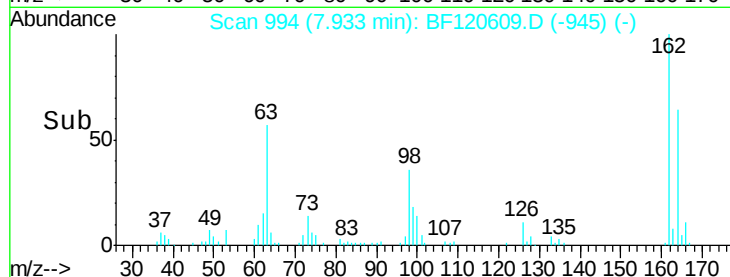
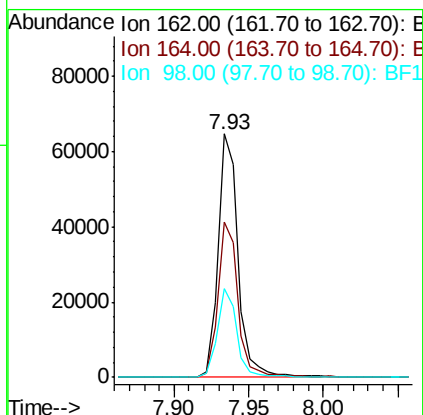
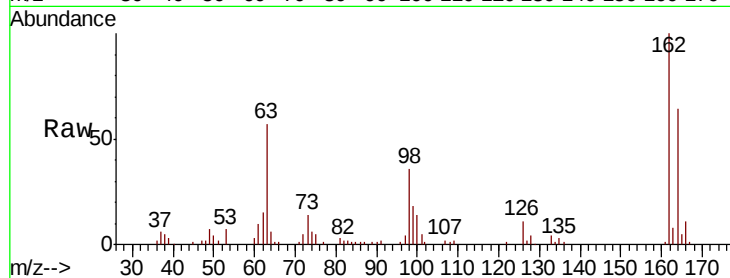




#29
 2,4-Dichlorophenol
 Concen: 7.459 ng
 RT: 7.93 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

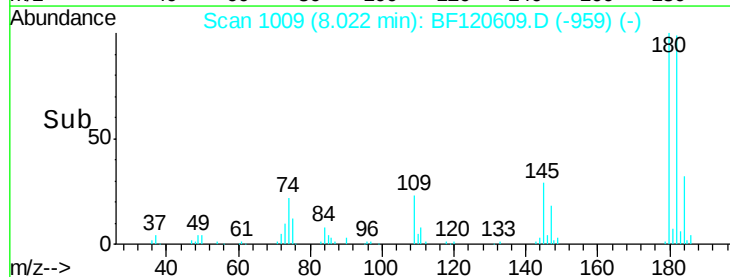
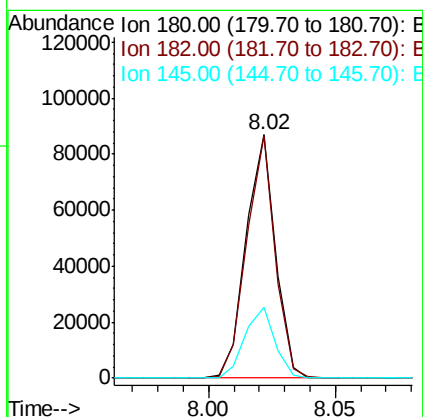
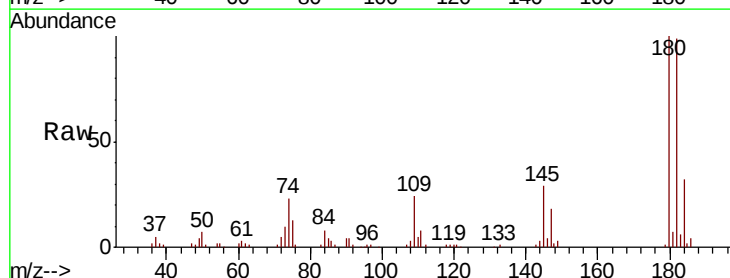
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

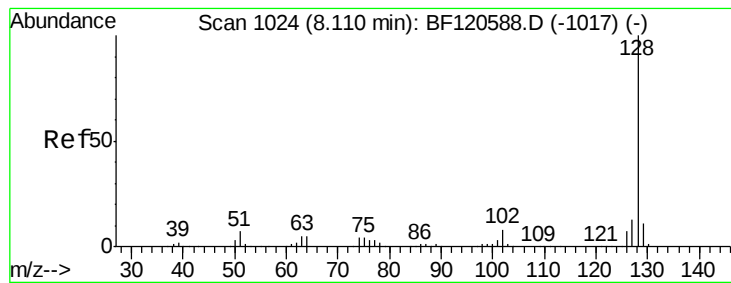
Tot Ion:162 Resp: 60708
 Ion Ratio Lower Upper
 162 100
 164 63.7 44.1 84.1
 98 36.4 14.7 54.7



#30
 1,2,4-Trichlorobenzene
 Concen: 7.776 ng
 RT: 8.02 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion:180 Resp: 70140
 Ion Ratio Lower Upper
 180 100
 182 99.5 75.8 113.6
 145 29.3 23.0 34.6





#31

Naphthalene

Concen: 8.428 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2020

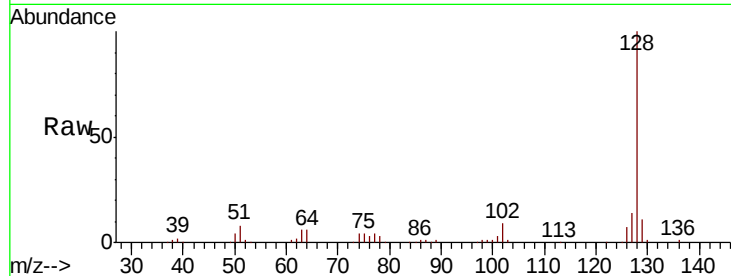
Tot Ion:128 Resp: 227214

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

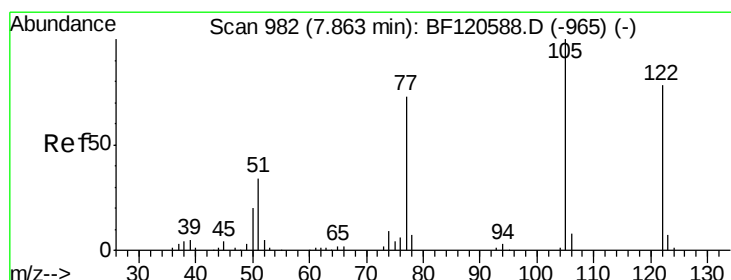
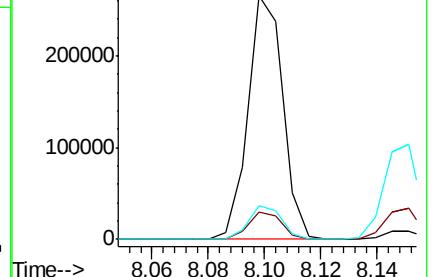
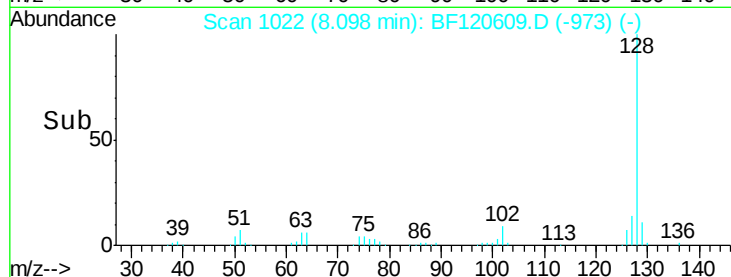
127 13.7 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.762 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.06 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

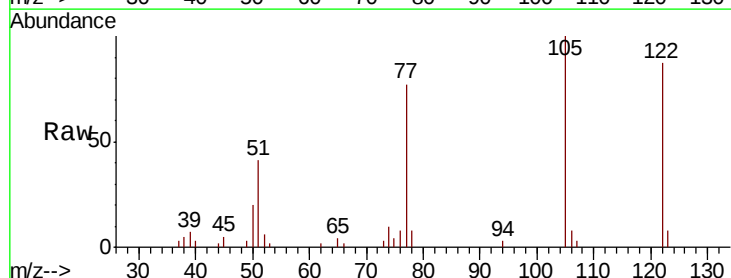
Tgt Ion:122 Resp: 16969

Ion Ratio Lower Upper

122 100

105 115.5 101.0 141.0

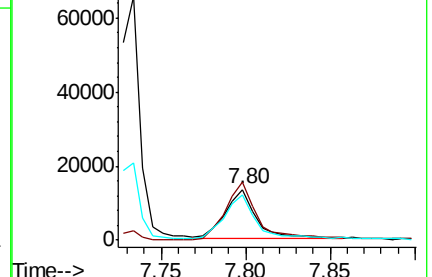
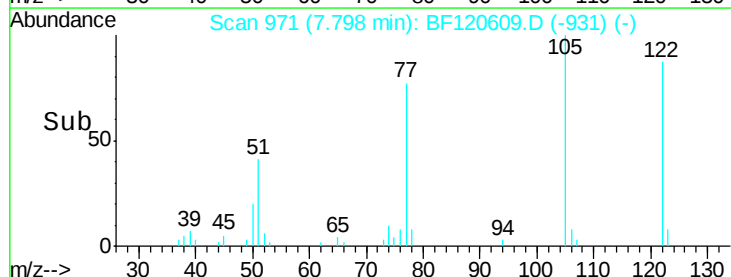
77 88.6 69.8 109.8

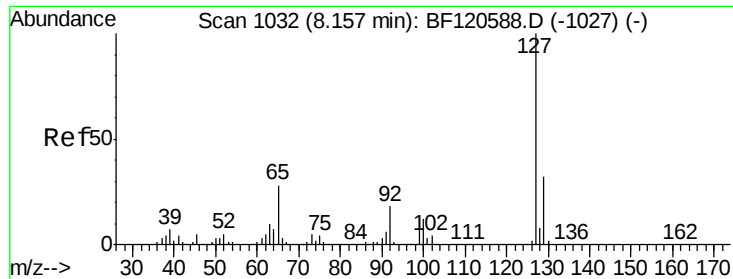


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

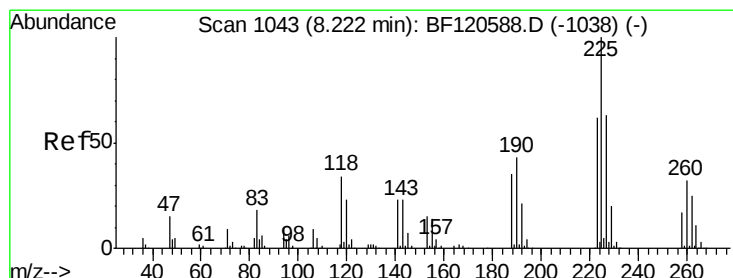
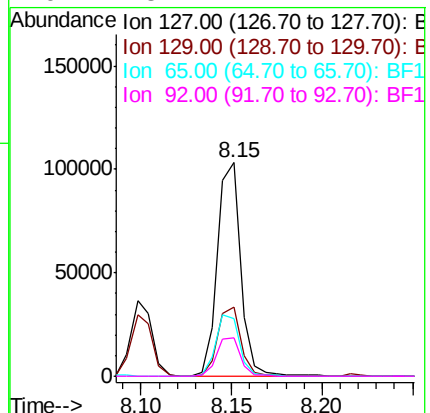
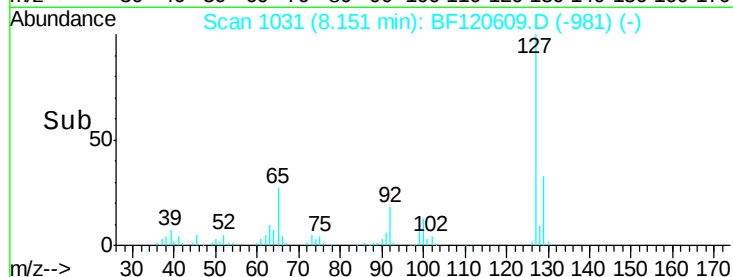
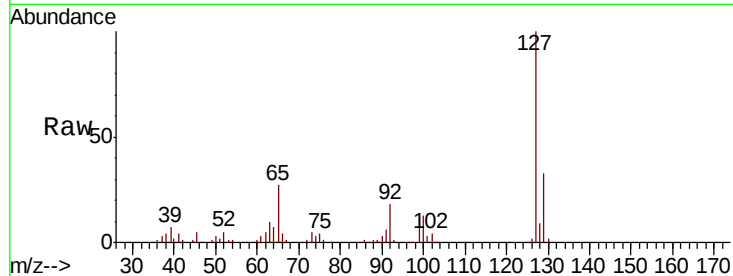




#33
4-Chloroaniline
Concen: 7.476 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

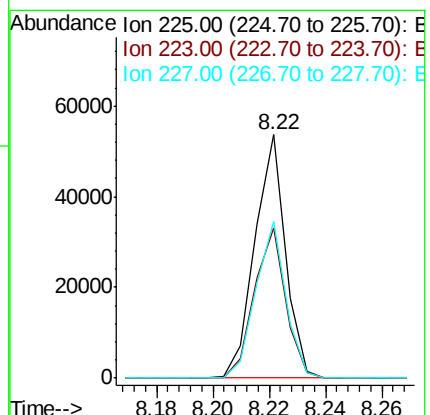
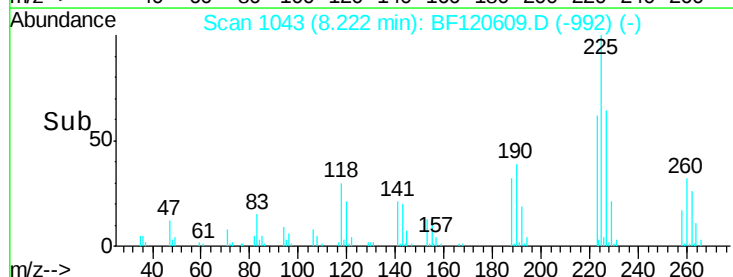
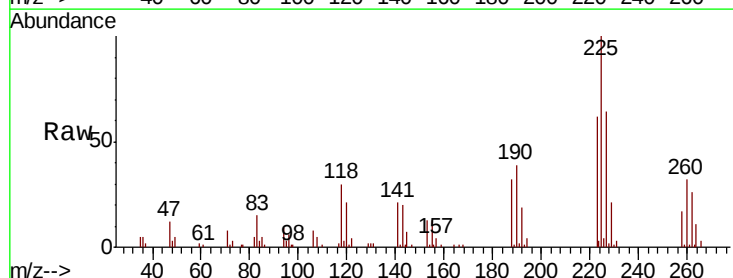
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

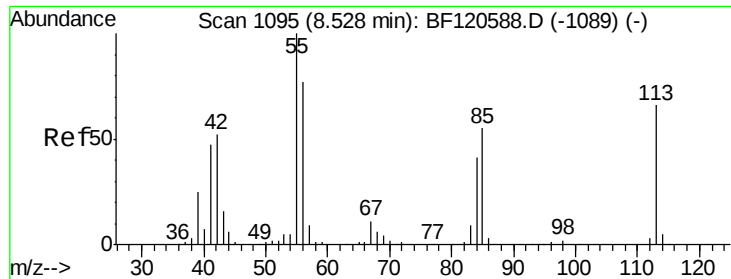
Tot Ion:	127	Resp:	92517
Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.9	38.9
65	26.8	22.2	33.4
92	18.2	14.2	21.2



#34
Hexachlorobutadiene
Concen: 7.646 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion:	225	Resp:	40201
Ion	Ratio	Lower	Upper
225	100		
223	61.7	49.9	74.9
227	64.2	50.5	75.7

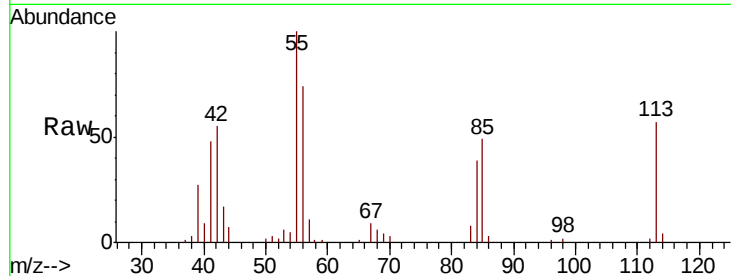




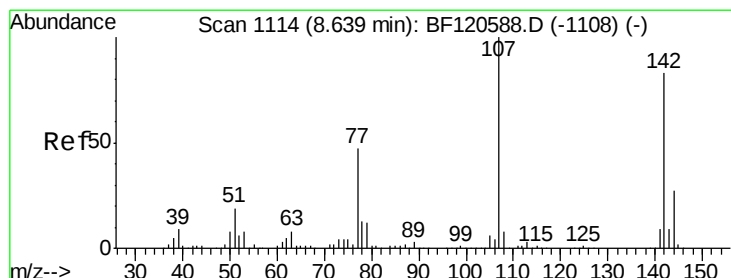
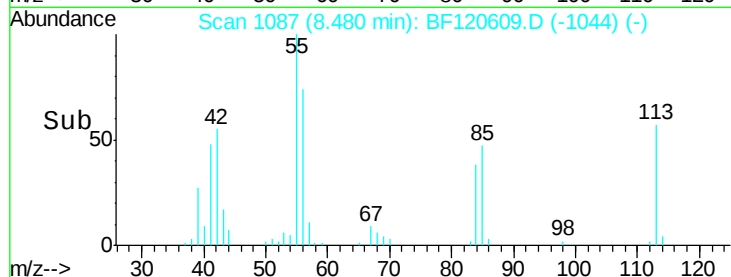
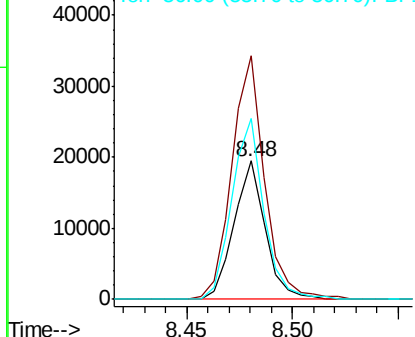
#35
Caprolactam
Concen: 7.591 ng
RT: 8.48 min Scan# 1087
Delta R.T. -0.05 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion:113 Resp: 19759
Ion Ratio Lower Upper
113 100
55 176.2 133.1 173.1#
56 130.6 98.4 138.4

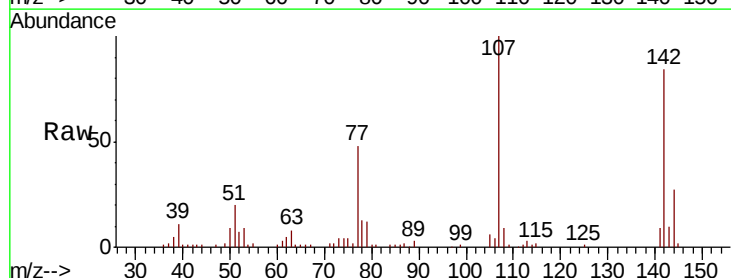


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

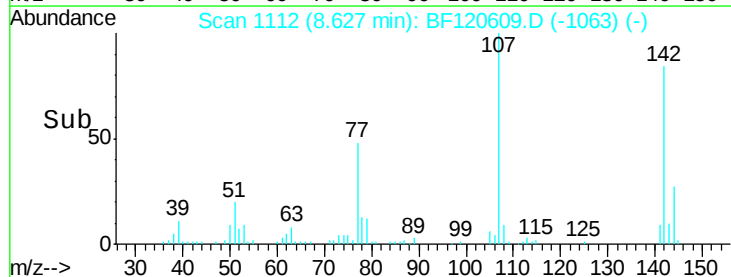
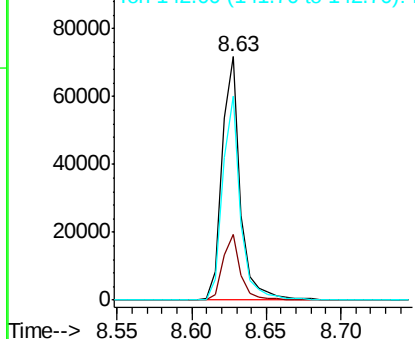


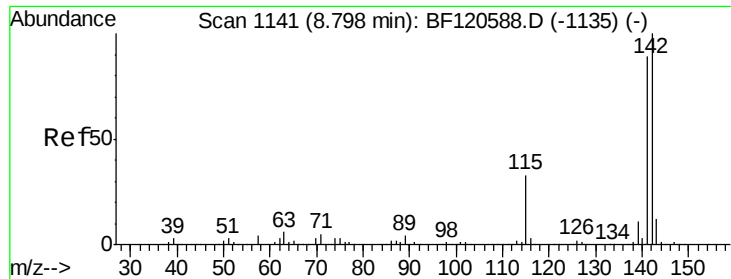
#36
4-Chloro-3-methylphenol
Concen: 7.633 ng
RT: 8.63 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion:107 Resp: 62067
Ion Ratio Lower Upper
107 100
144 26.8 21.4 32.2
142 83.6 66.3 99.5



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

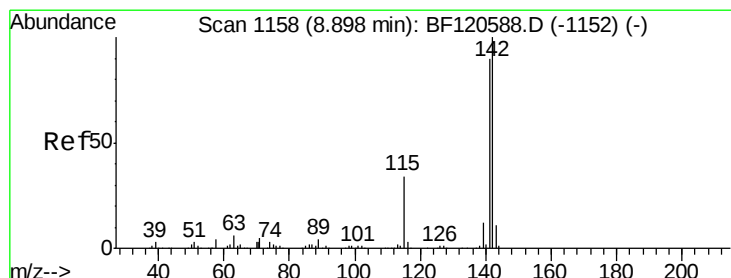
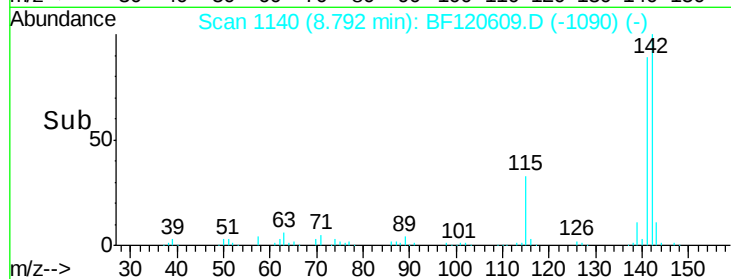
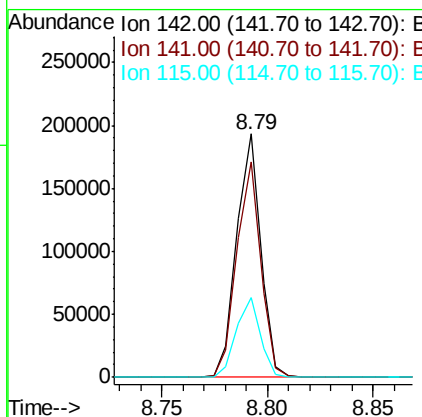
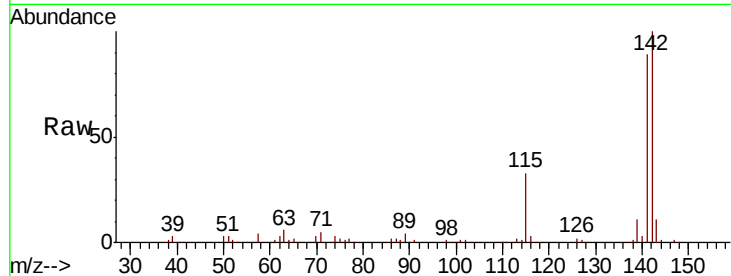




#37
2-Methylnaphthalene
Concen: 8.650 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

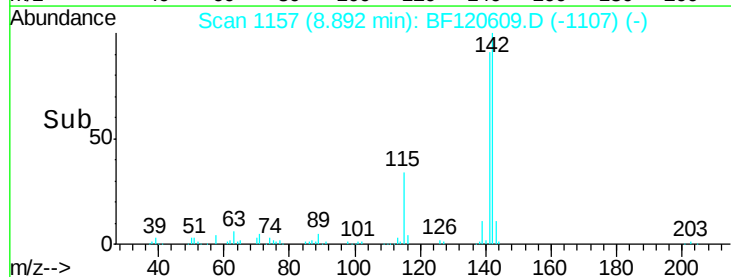
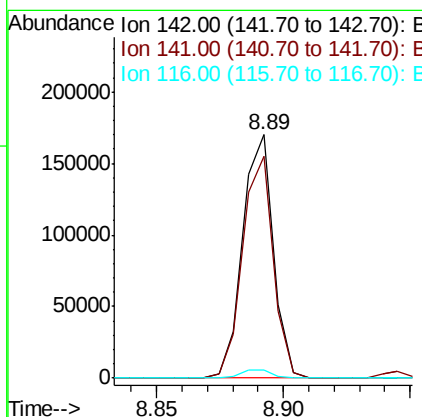
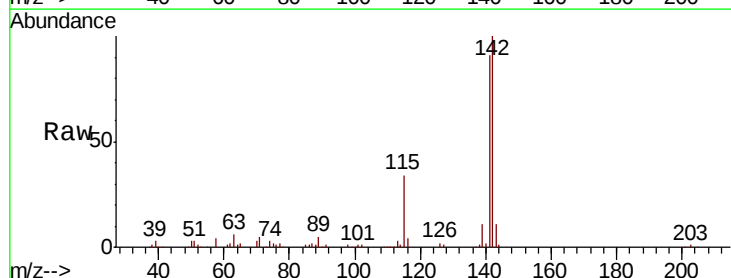
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

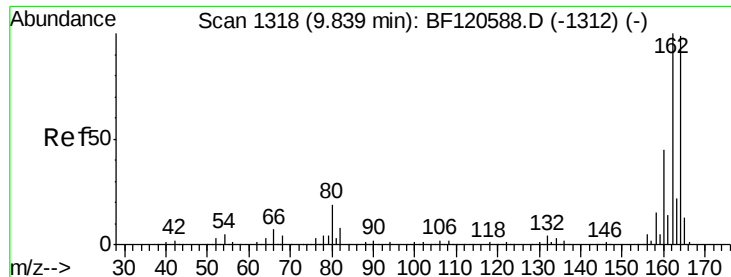
Tot Ion:142 Resp: 152228
Ion Ratio Lower Upper
142 100
141 88.5 71.4 107.0
115 33.0 26.1 39.1



#38
1-Methylnaphthalene
Concen: 8.619 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion:142 Resp: 142734
Ion Ratio Lower Upper
142 100
141 91.0 72.1 108.1
116 3.6 2.7 4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2020

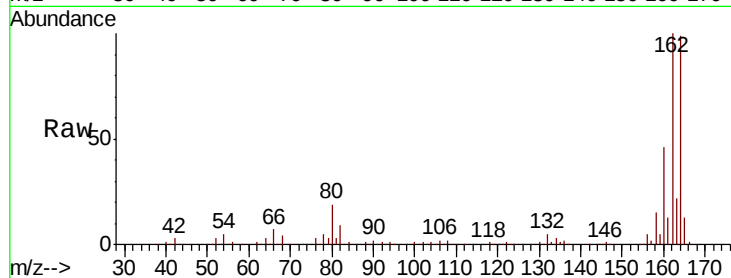
Tot Ion:164 Resp: 285602

Ion Ratio Lower Upper

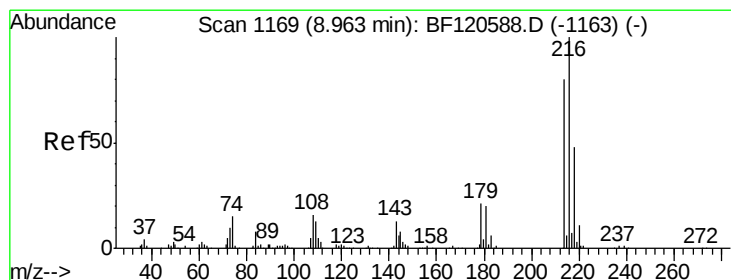
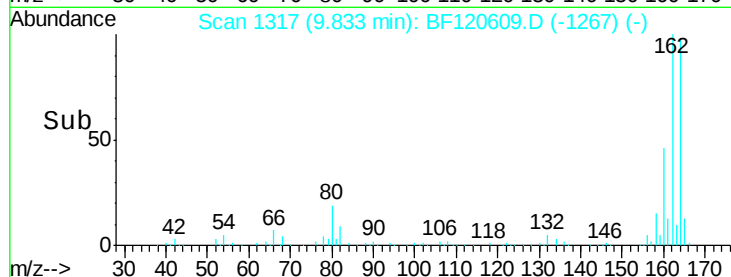
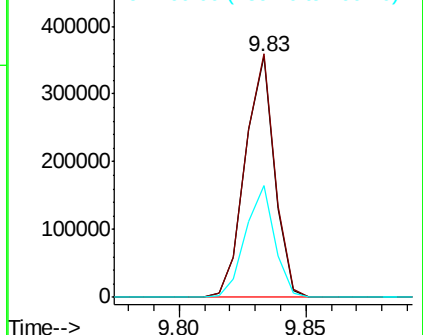
164 100

162 101.1 80.6 120.8

160 46.2 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.497 ng

RT: 8.96 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Tgt Ion:216 Resp: 72457

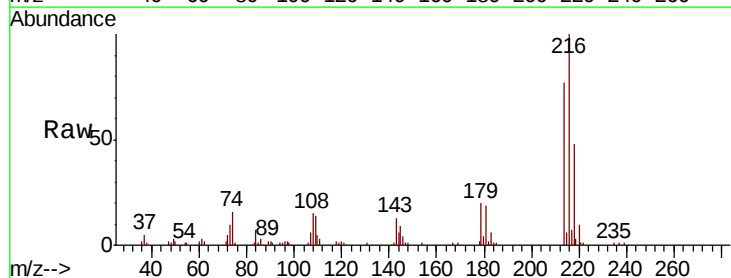
Ion Ratio Lower Upper

216 100

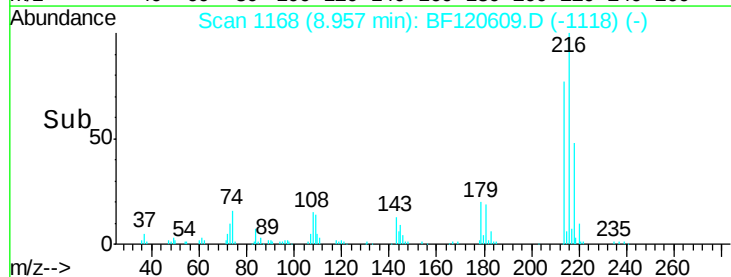
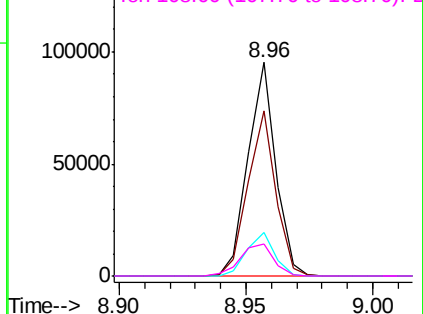
214 77.5 63.8 95.6

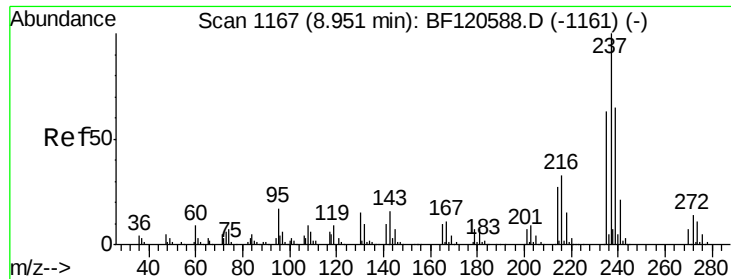
179 20.5 16.4 24.6

108 18.1 13.8 20.8



Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E

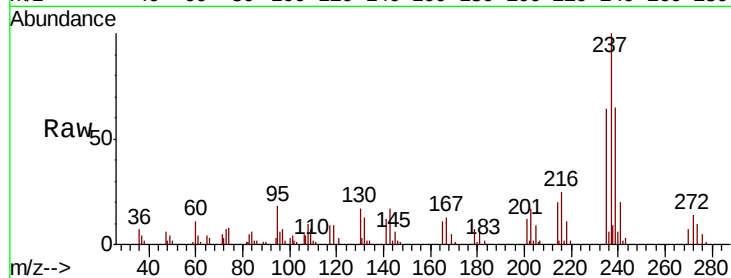




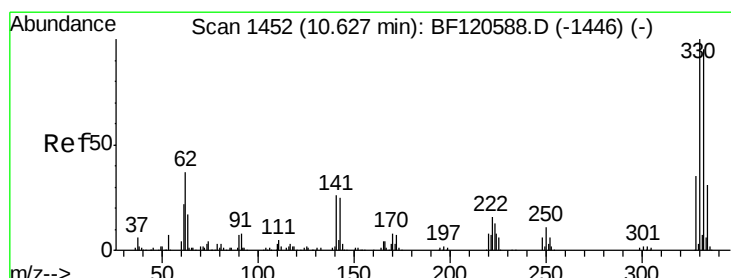
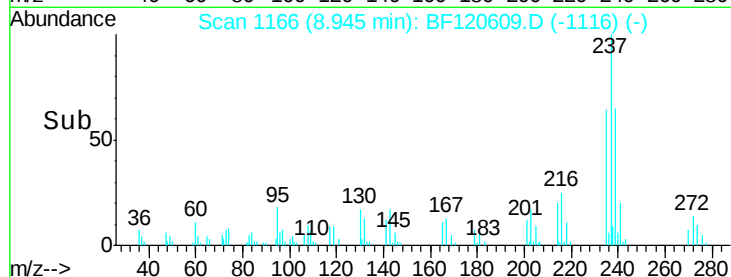
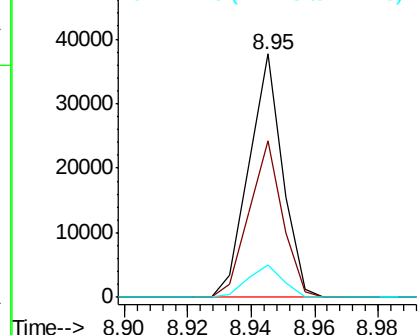
#41
Hexachlorocyclopentadiene
Concen: 5.787 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion:237 Resp: 27655
Ion Ratio Lower Upper
237 100
235 64.3 43.2 83.2
272 13.5 0.0 33.9

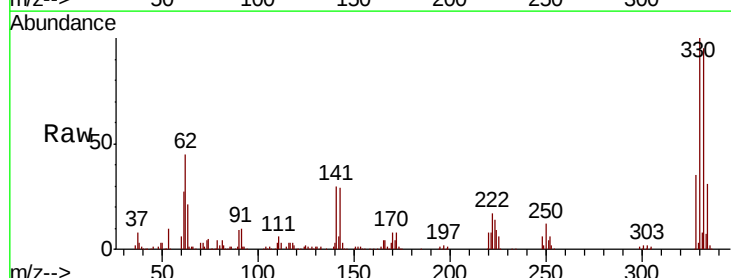


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

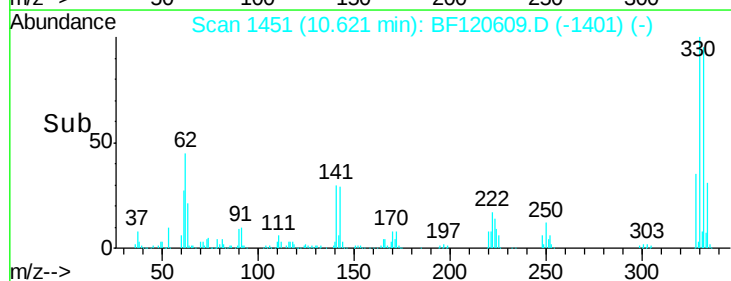
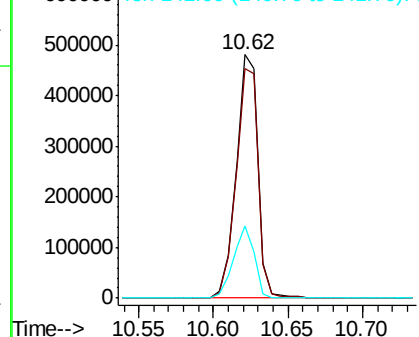


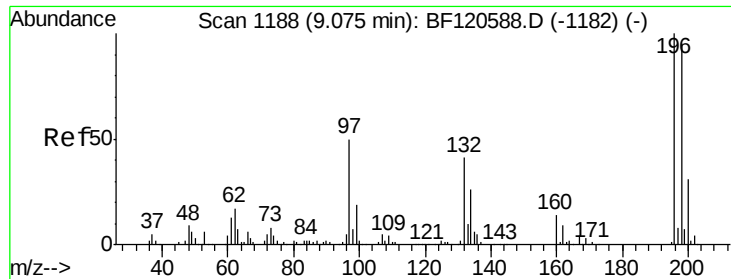
#42
2,4,6-Tribromophenol
Concen: 148.278 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion:330 Resp: 492360
Ion Ratio Lower Upper
330 100
332 97.0 76.8 115.2
141 29.0 23.2 34.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

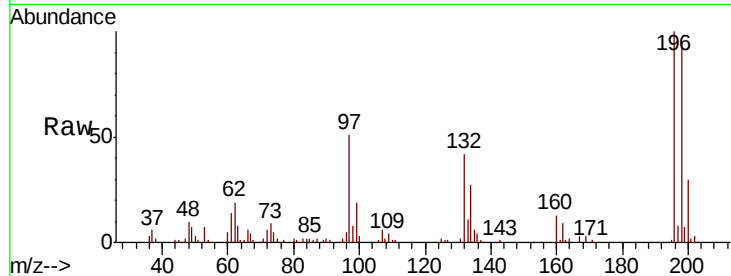




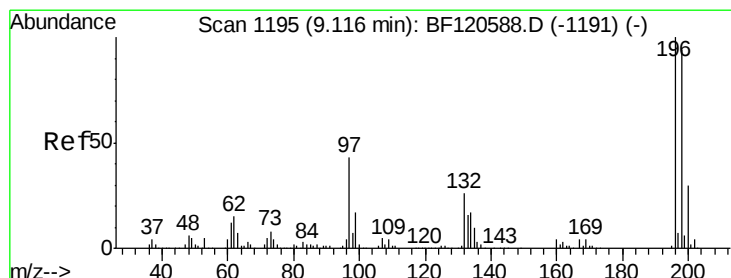
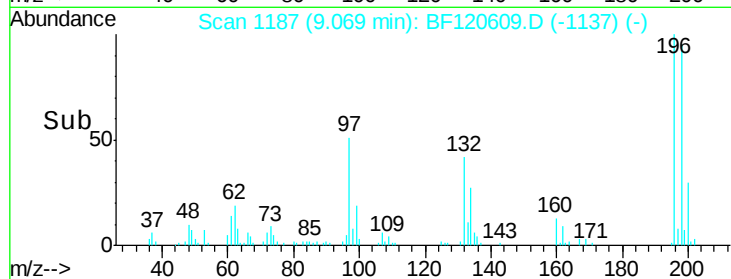
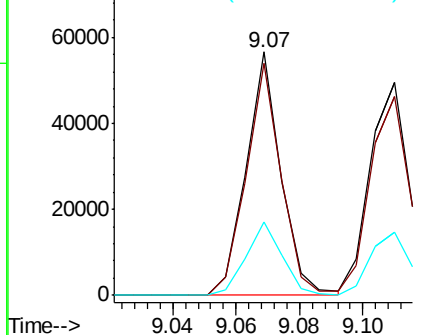
#43
 2,4,6-Trichlorophenol
 Concen: 7.115 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Tot Ion:196 Resp: 43043
 Ion Ratio Lower Upper
 196 100
 198 95.2 76.2 114.2
 200 30.0 24.6 37.0

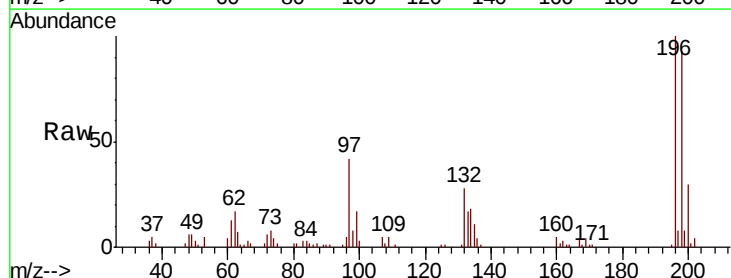


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

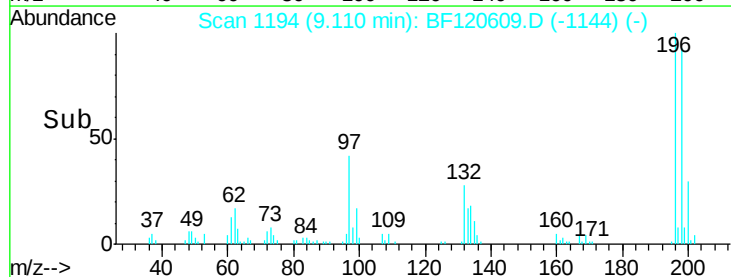
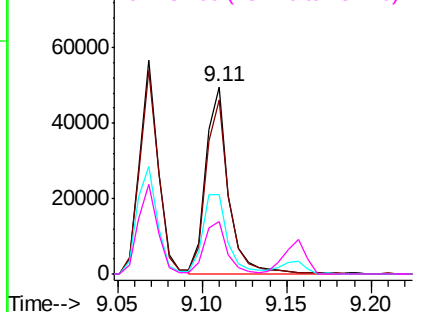


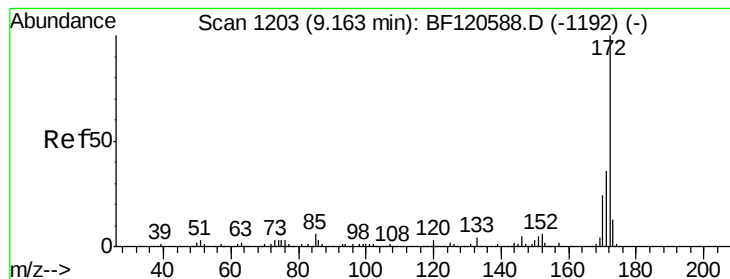
#44
 2,4,5-Trichlorophenol
 Concen: 6.827 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion:196 Resp: 46853
 Ion Ratio Lower Upper
 196 100
 198 93.1 75.5 113.3
 97 42.5 34.4 51.6
 132 27.7 20.7 31.1



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E





#45

2-Fluorobiphenyl

Concen: 95.739 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2020

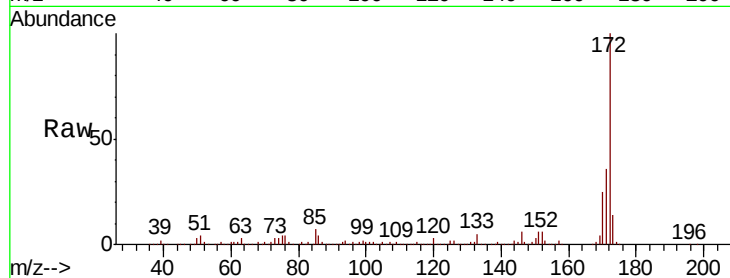
Tot Ion:172 Resp: 1787163

Ion Ratio Lower Upper

172 100

171 36.4 29.0 43.4

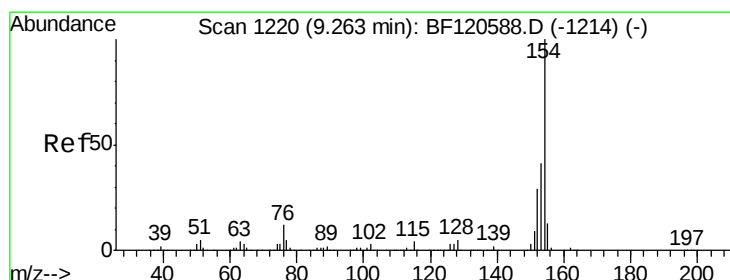
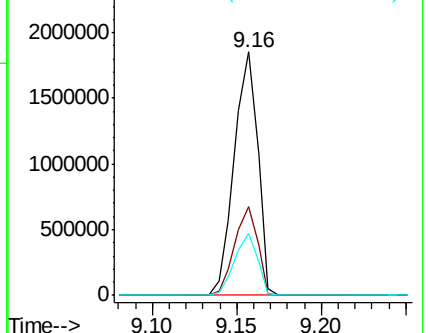
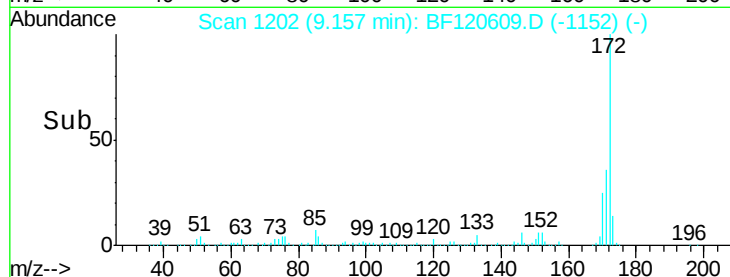
170 25.2 19.4 29.2



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 9.096 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

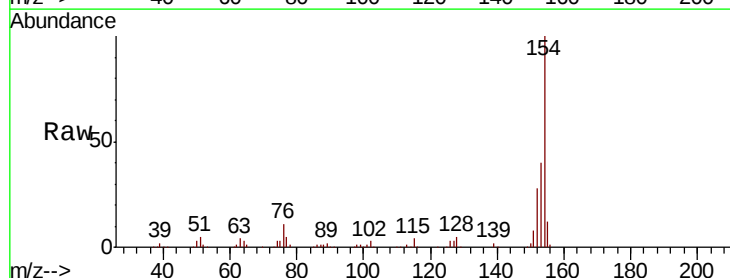
Tgt Ion:154 Resp: 193982

Ion Ratio Lower Upper

154 100

153 39.8 21.4 61.4

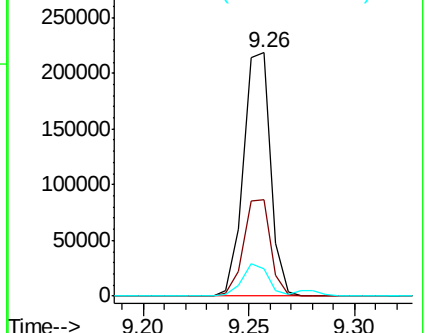
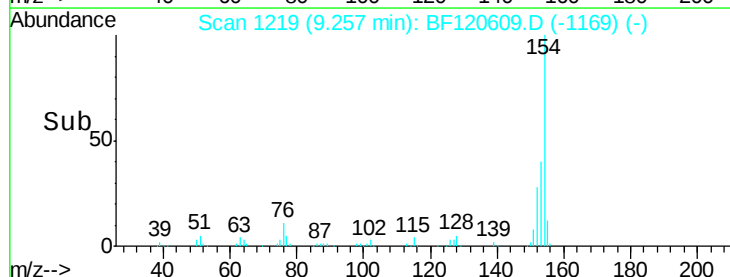
76 11.4 0.0 31.6

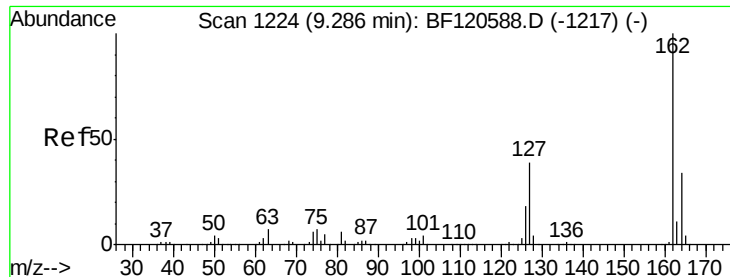


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

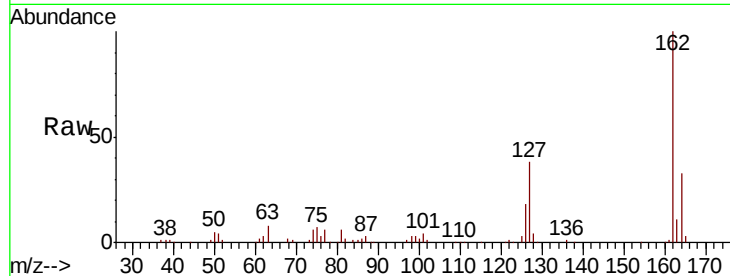




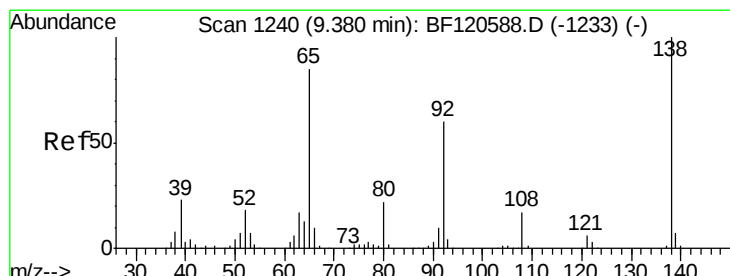
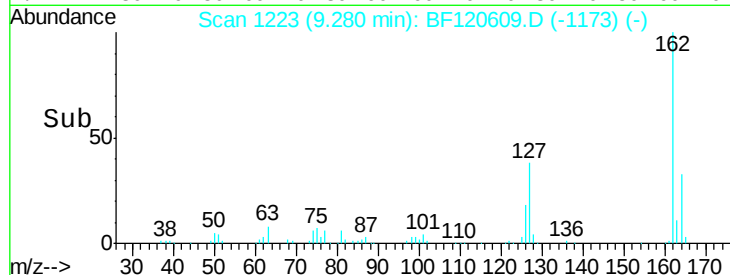
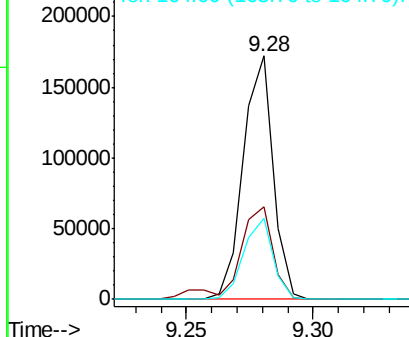
#47
 2-Chloronaphthalene
 Concen: 8.096 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Tot Ion:162 Resp: 141182
 Ion Ratio Lower Upper
 162 100
 127 37.8 31.3 46.9
 164 33.1 26.9 40.3

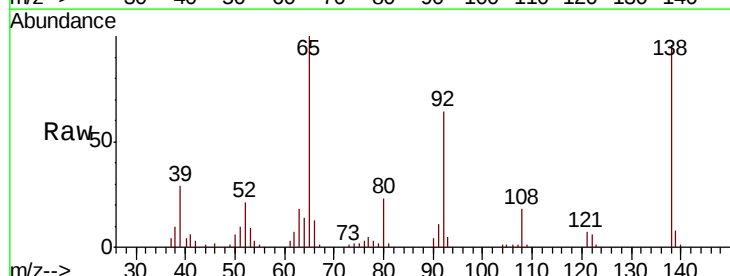


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

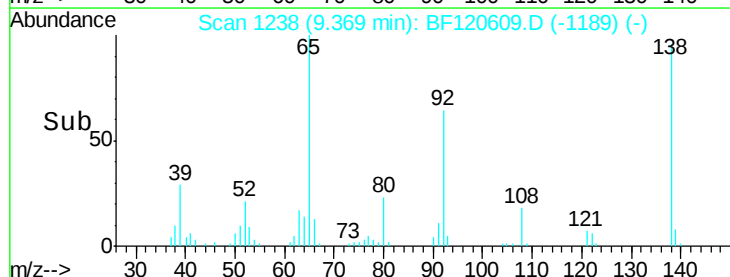
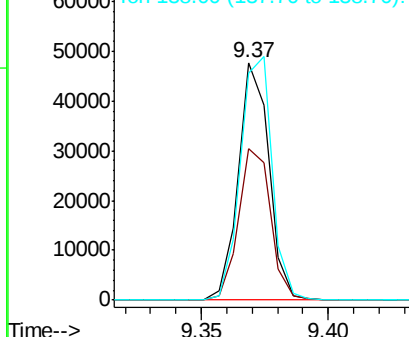


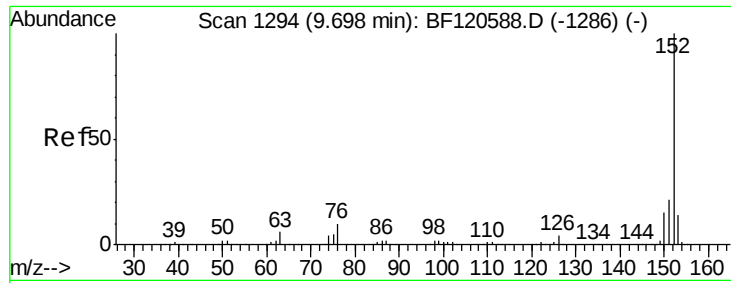
#48
 2-Nitroaniline
 Concen: 7.265 ng
 RT: 9.37 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion: 65 Resp: 39792
 Ion Ratio Lower Upper
 65 100
 92 63.7 56.0 84.0
 138 95.7 94.0 141.0



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 8.405 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2020

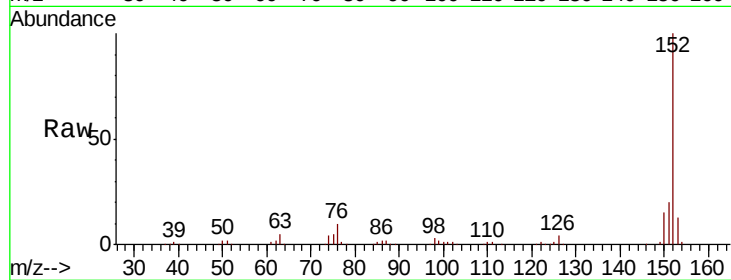
Tot Ion:152 Resp: 226212

Ion Ratio Lower Upper

152 100

151 19.9 16.6 25.0

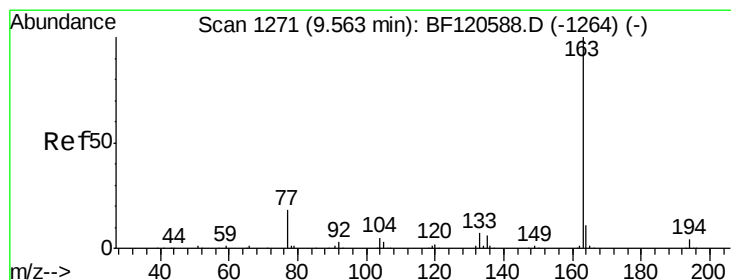
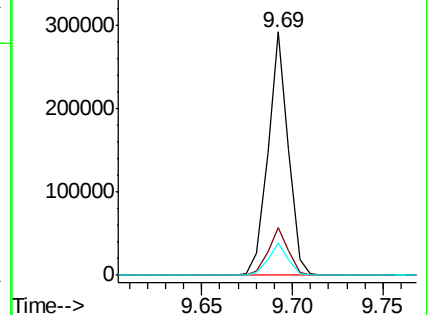
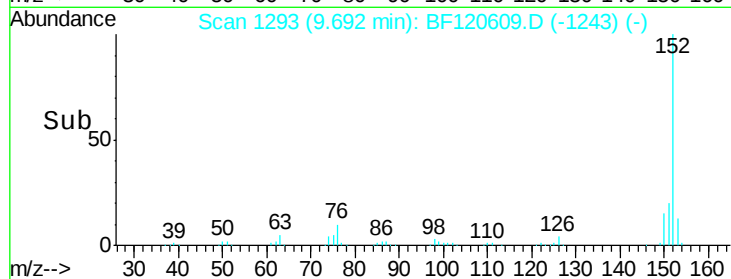
153 13.2 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.797 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

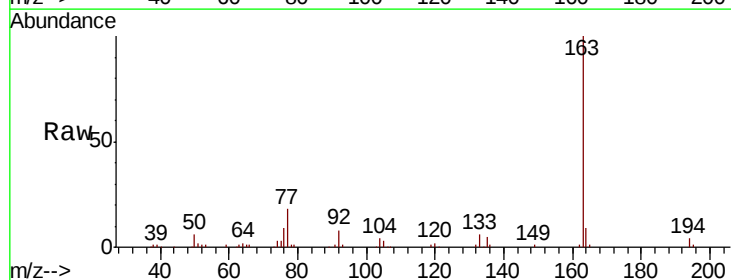
Tgt Ion:163 Resp: 160376

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

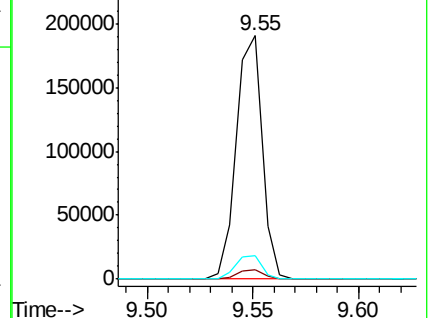
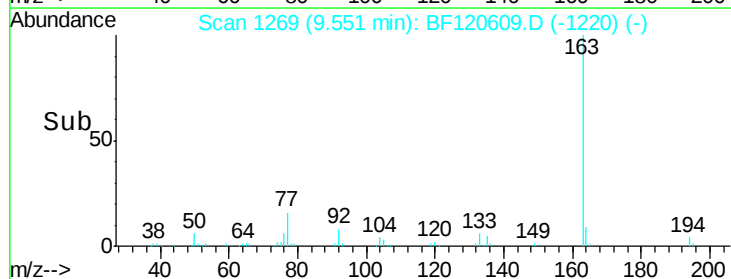
164 9.4 8.5 12.7

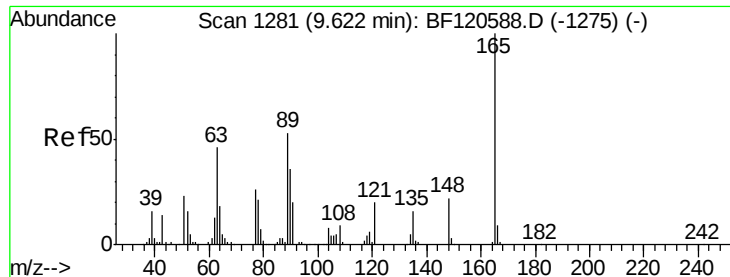


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

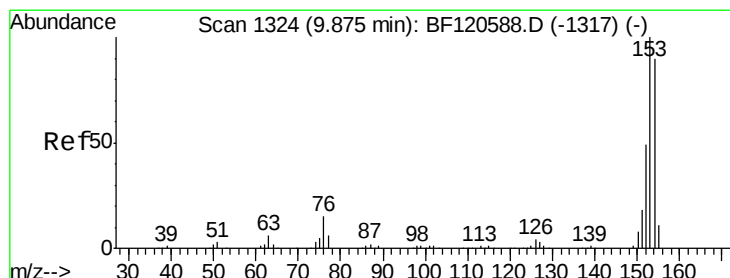
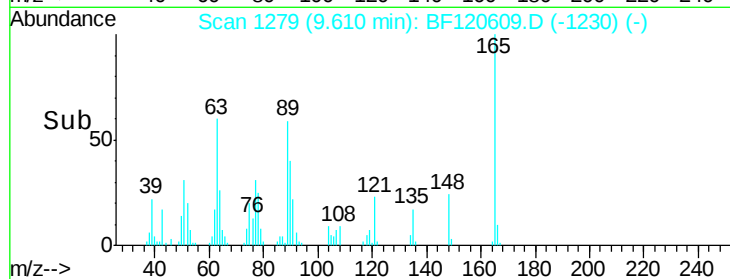
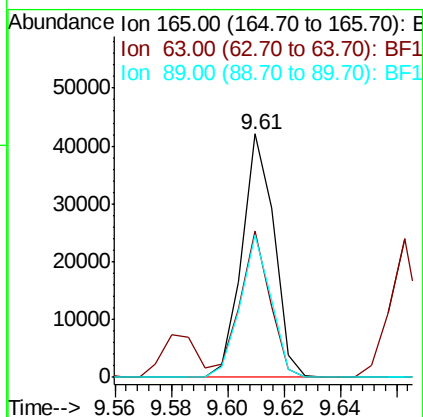
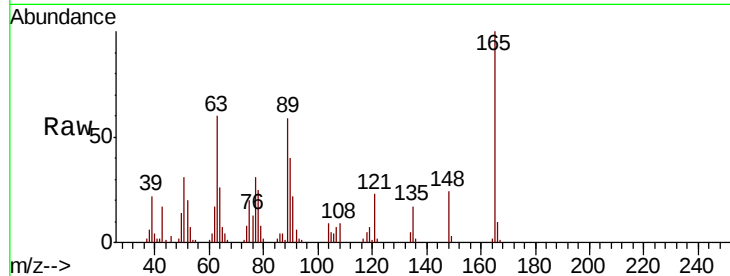




#51
2,6-Dinitrotoluene
Concen: 7.125 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

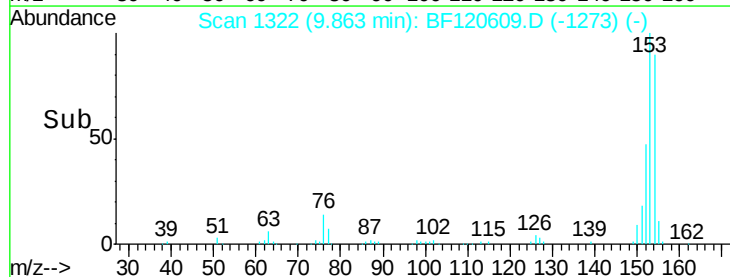
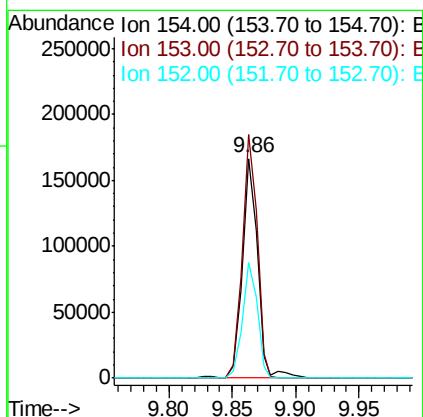
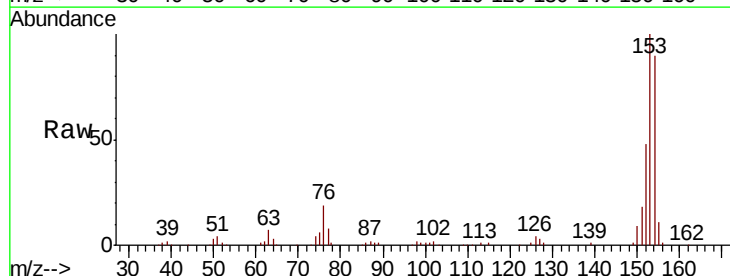
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

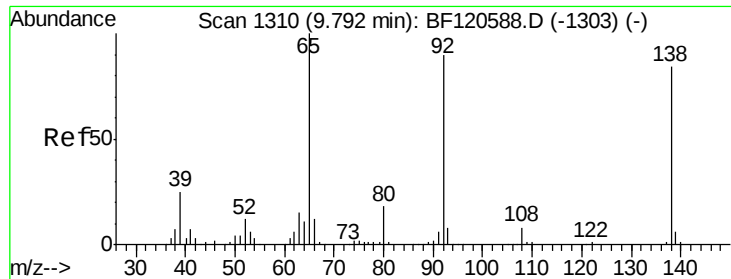
Tot Ion:165 Resp: 33215
Ion Ratio Lower Upper
165 100
63 60.0 41.7 62.5
89 58.7 42.6 64.0



#52
Acenaphthene
Concen: 8.577 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion:154 Resp: 137677
Ion Ratio Lower Upper
154 100
153 111.0 89.1 133.7
152 52.9 43.7 65.5

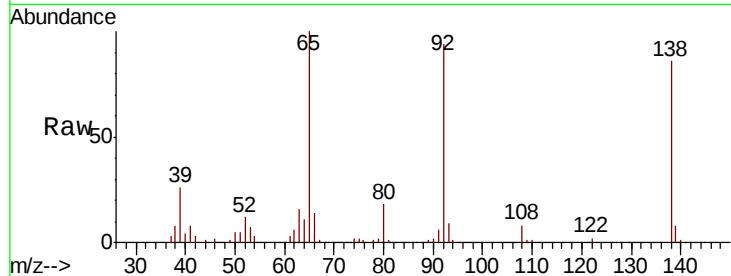




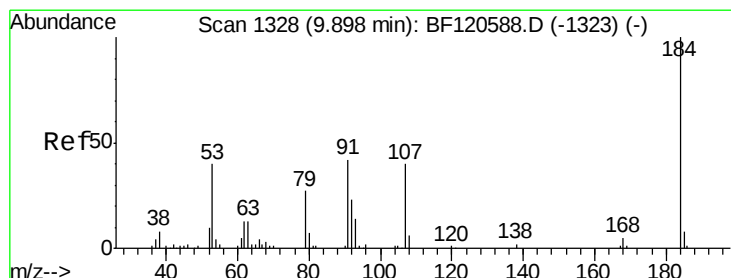
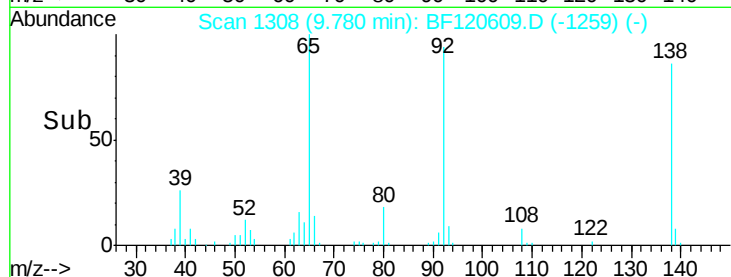
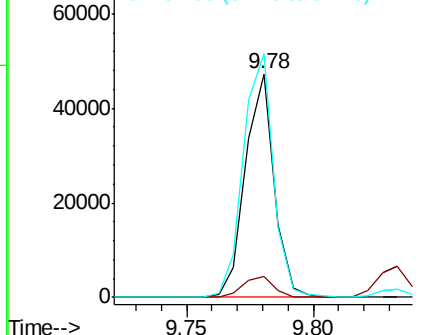
#53
3-Nitroaniline
Concen: 6.678 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion:138 Resp: 37388
Ion Ratio Lower Upper
138 100
108 9.3 8.0 12.0
92 108.8 86.0 129.0

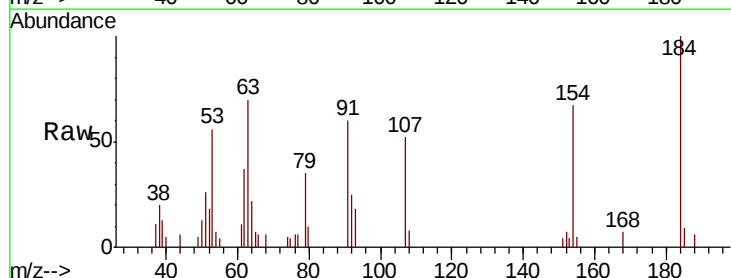


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

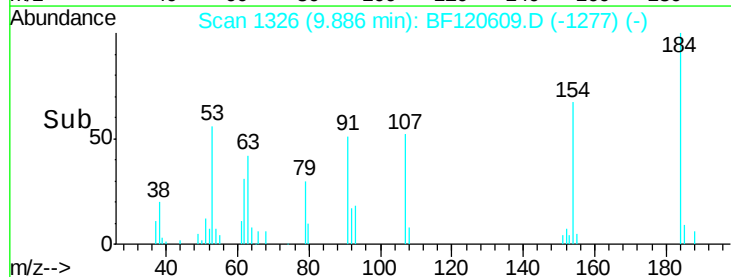
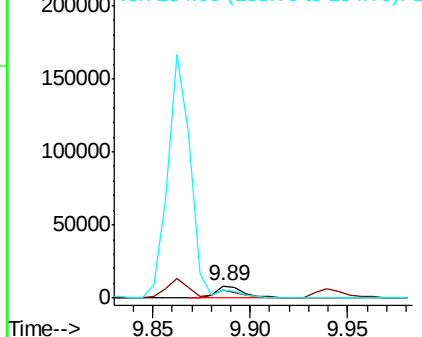


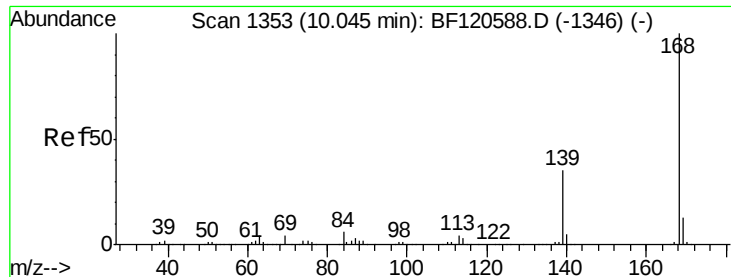
#54
2,4-Dinitrophenol
Concen: 3.499 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion:184 Resp: 8743
Ion Ratio Lower Upper
184 100
63 69.9 44.2 66.2#
154 67.2 45.9 68.9



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

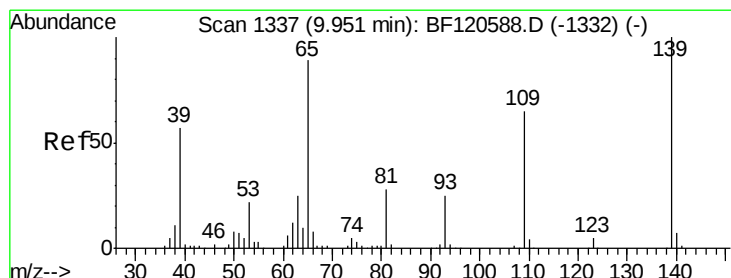
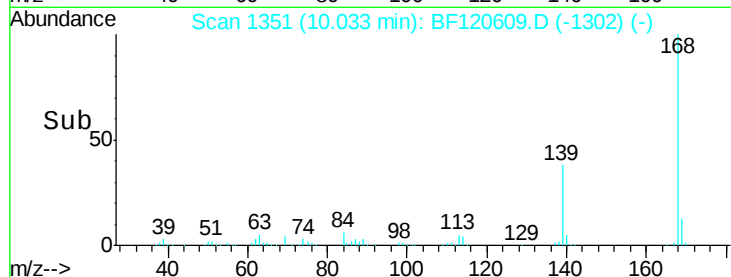
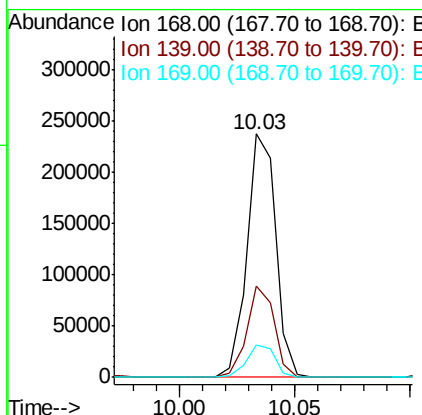
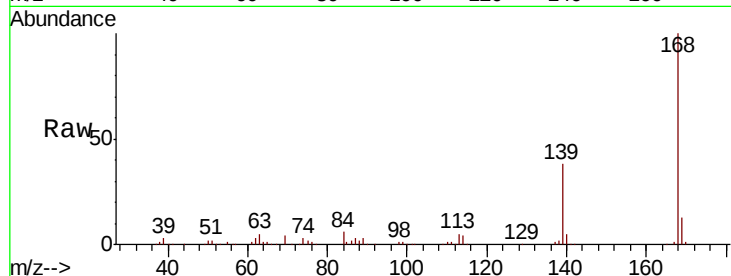




#55
Dibenzenofuran
Concen: 8.437 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

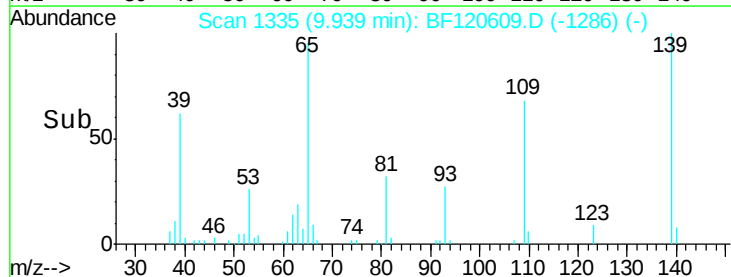
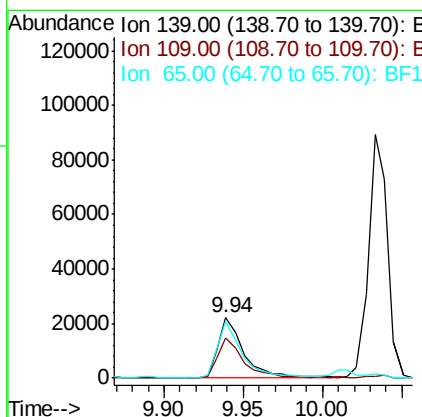
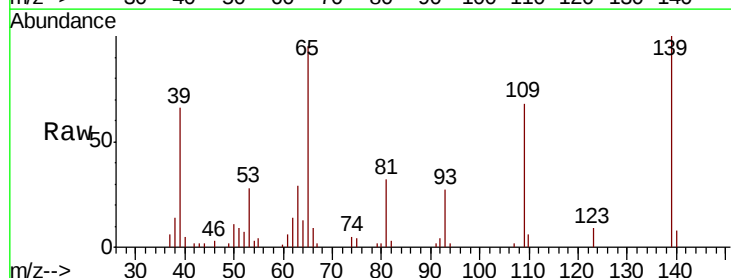
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

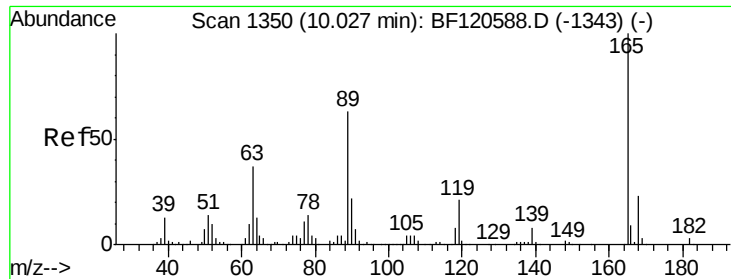
Tot Ion:168 Resp: 207643
Ion Ratio Lower Upper
168 100
139 37.6 28.1 42.1
169 13.2 10.6 16.0



#56
4-Nitrophenol
Concen: 5.913 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion:139 Resp: 24934
Ion Ratio Lower Upper
139 100
109 67.5 44.6 84.6
65 94.9 69.2 109.2

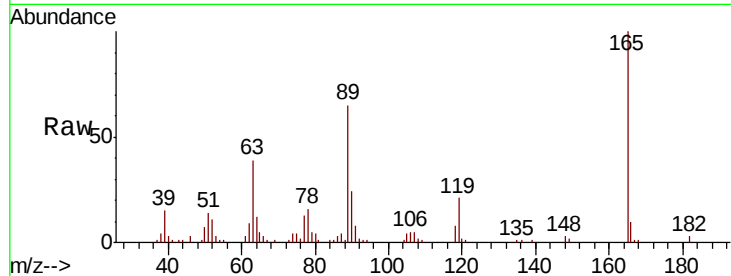




#57
2,4-Dinitrotoluene
Concen: 6.886 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	38.8	29.8	44.8
89	65.0	50.4	75.6
182	2.6	2.1	3.1



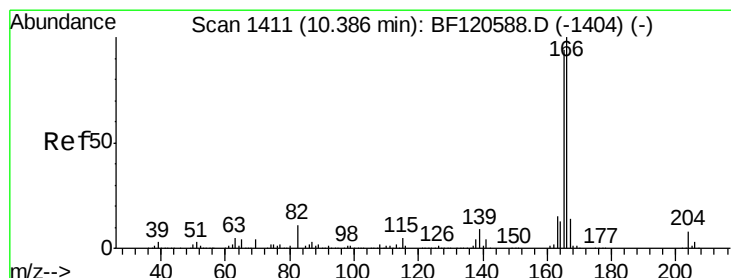
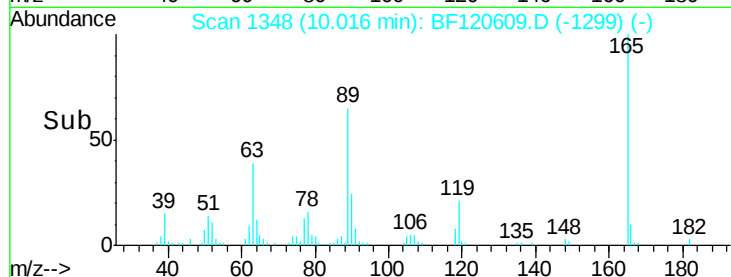
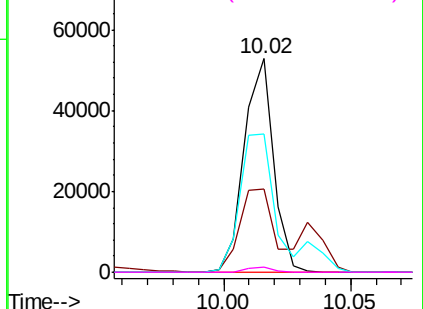
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

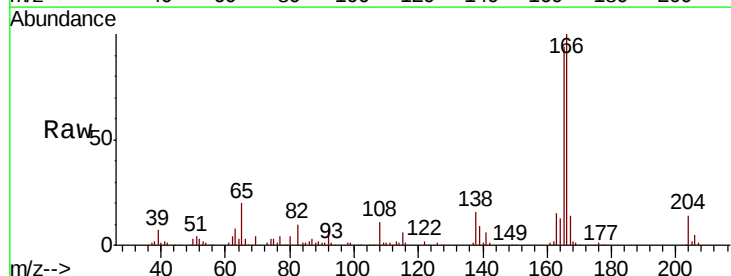
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 8.262 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.5	75.0	112.6
167	13.7	11.0	16.4

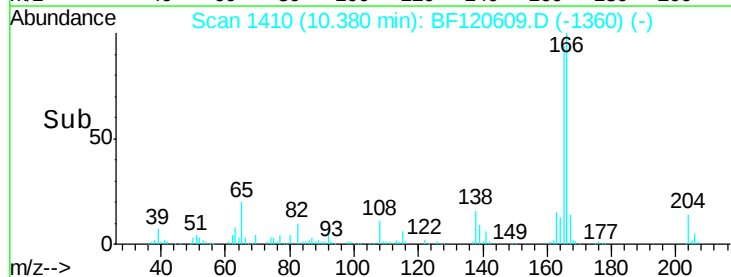
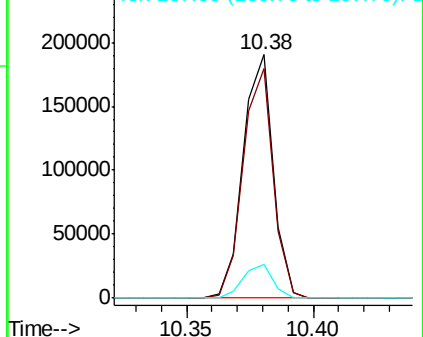


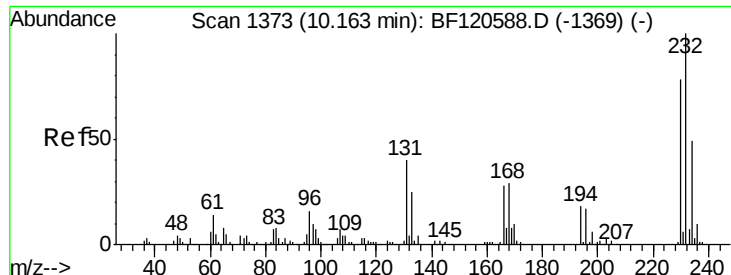
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

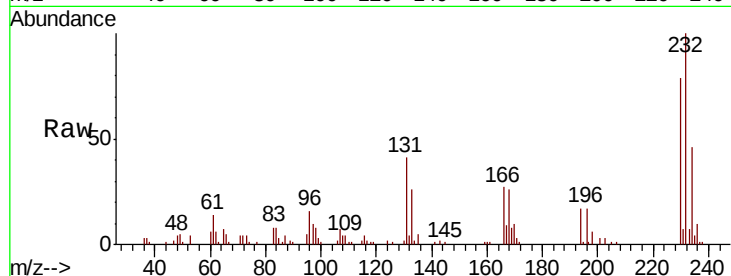




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 6.744 ng
 RT: 10.16 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
232	100		
131	45.9	33.5	50.3
130	2.0	1.5	2.3
166	30.0	23.4	35.0



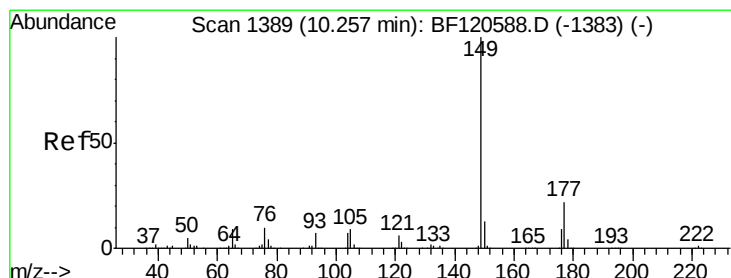
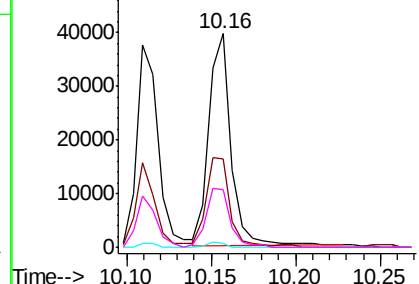
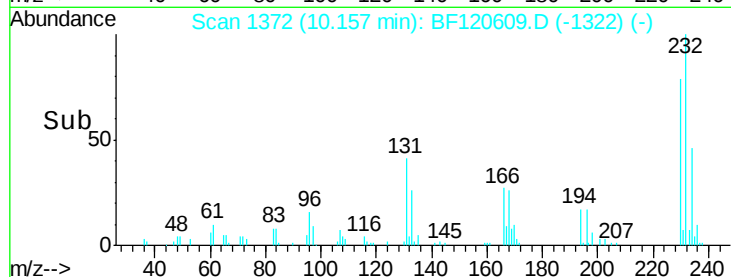
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

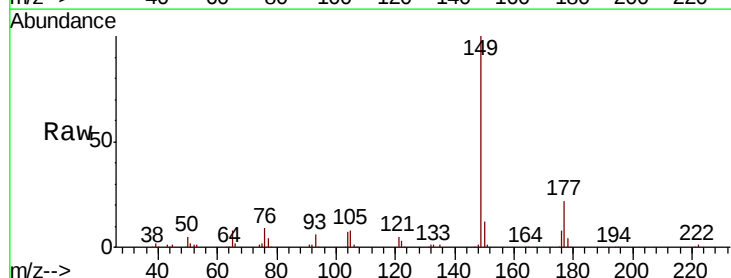
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 8.006 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.3	25.9
150	11.8	10.3	15.5

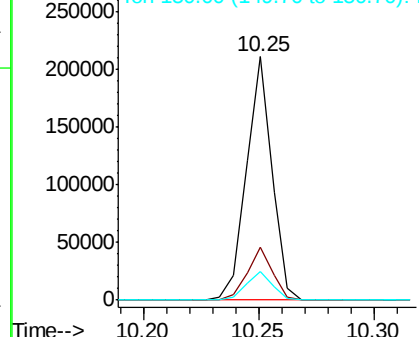
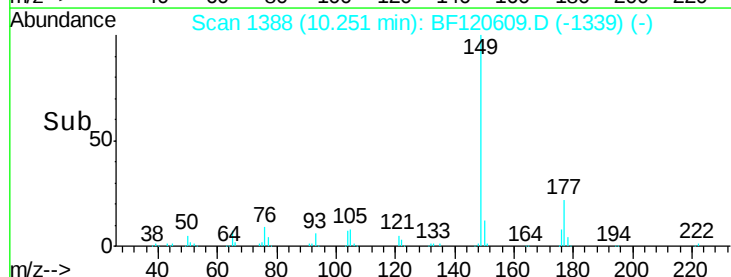


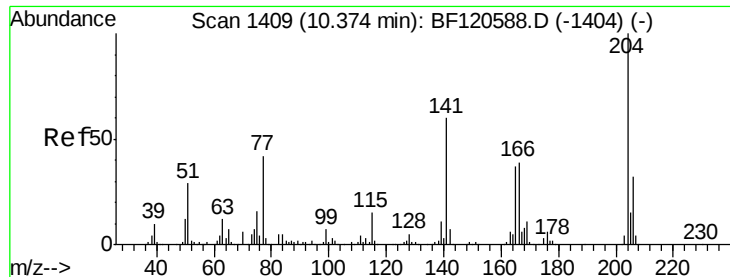
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

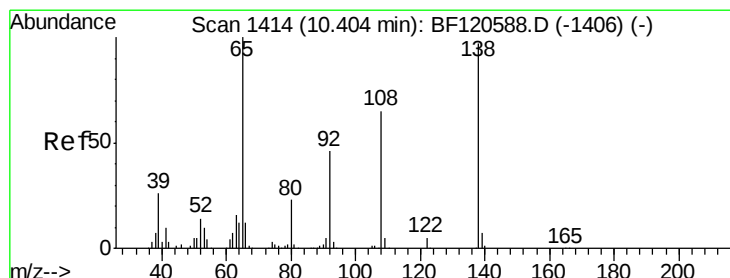
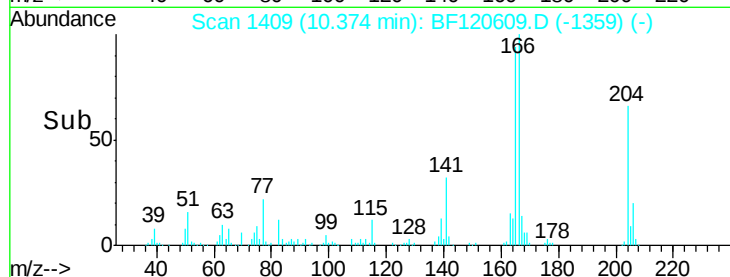
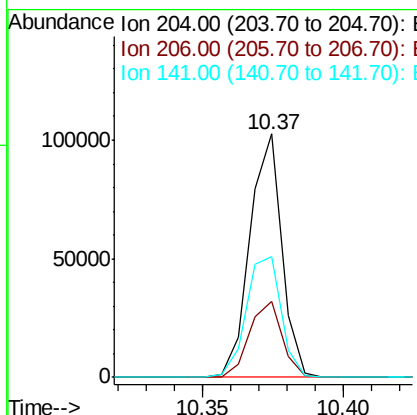
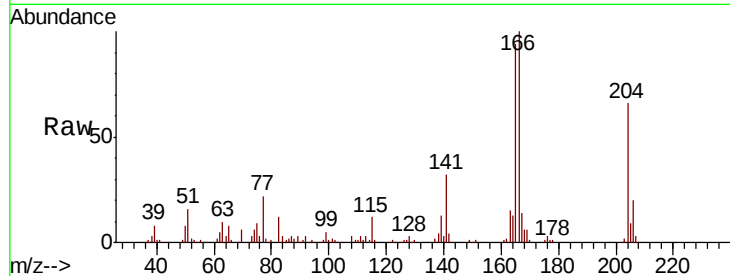




#61
 4-Chlorophenyl-phenylether
 Concen: 8.220 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

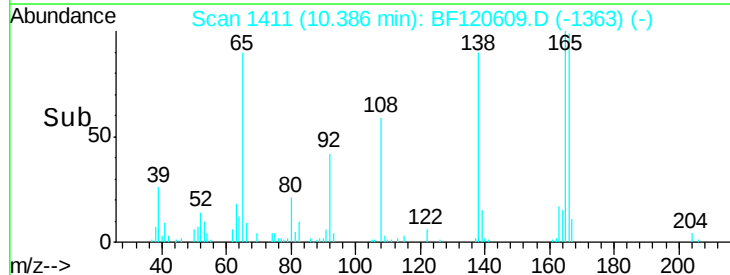
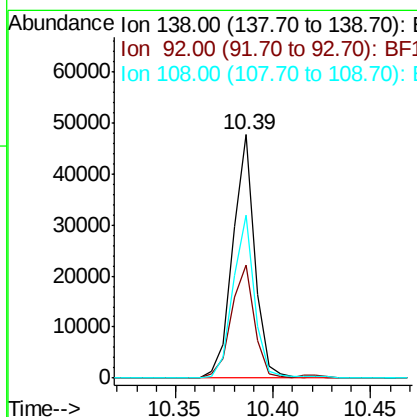
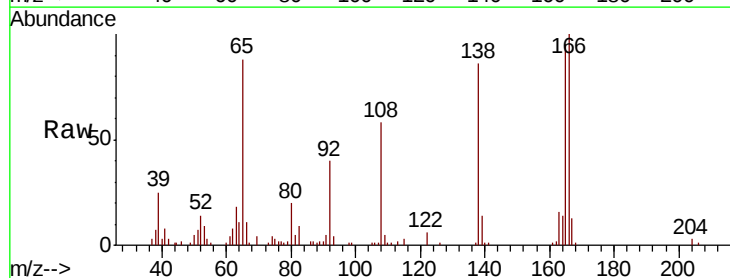
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

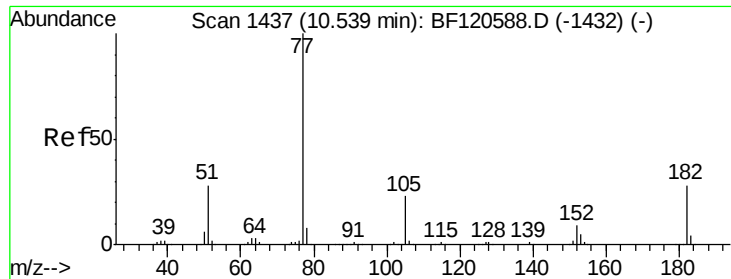
Tot Ion:	204	Resp:	80540
Ion Ratio	Lower	Upper	
204	100		
206	31.1	25.9	38.9
141	49.4	47.6	71.4



#62
 4-Nitroaniline
 Concen: 6.708 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.02 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion:	138	Resp:	37285
Ion Ratio	Lower	Upper	
138	100		
92	46.5	27.3	67.3
108	66.8	47.4	87.4





#63

Azobenzene

Concen: 8.516 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion: 77 Resp: 156609

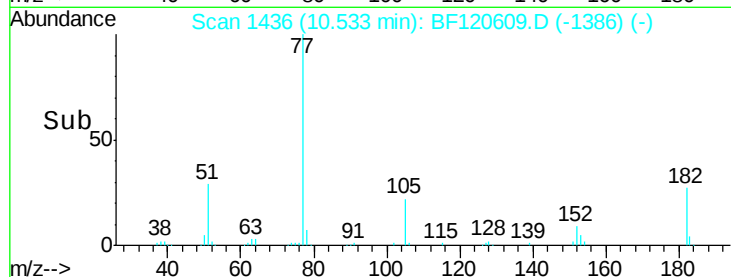
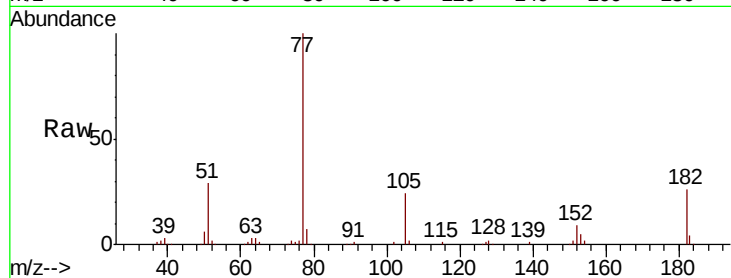
Ion Ratio Lower Upper

77 100

182 26.4 7.7 47.7

105 23.6 3.2 43.2

51 29.4 8.5 48.5



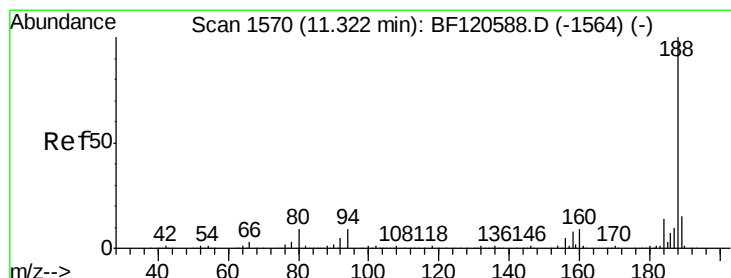
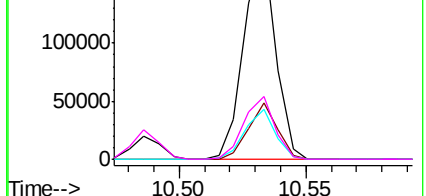
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

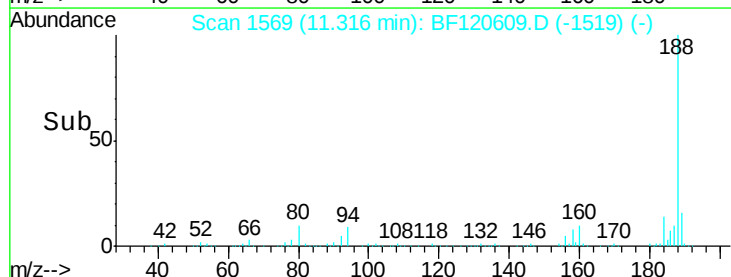
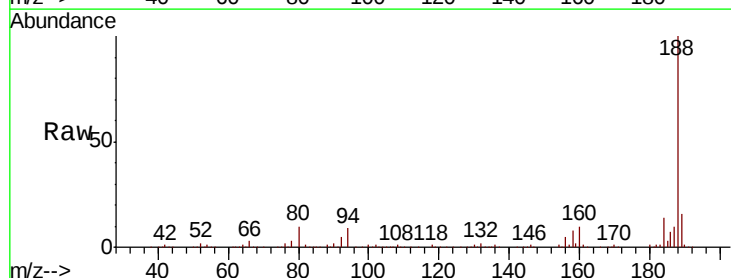
Tgt Ion: 188 Resp: 551306

Ion Ratio Lower Upper

188 100

94 9.5 7.2 10.8

80 10.2 7.4 11.2

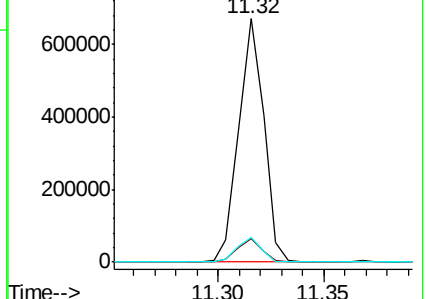


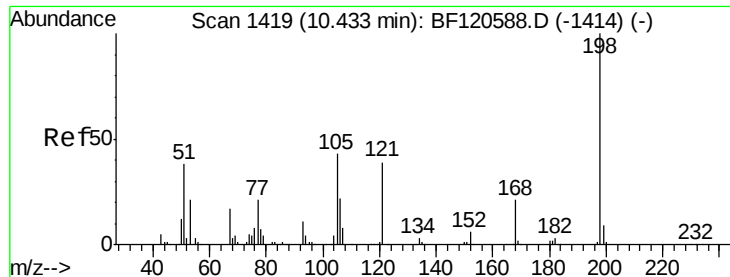
Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->





#65

4,6-Dinitro-2-methylphenol

Concen: 5.038 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2020

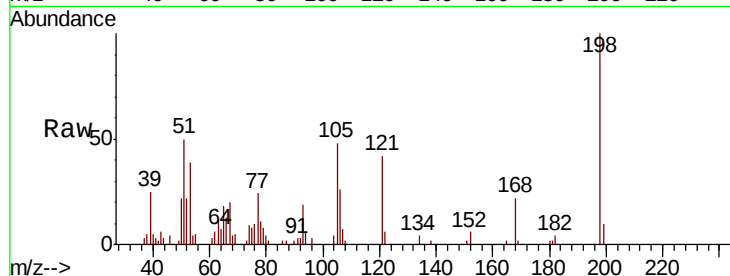
Tot Ion:198 Resp: 16665

Ion Ratio Lower Upper

198 100

51 49.7 24.8 64.8

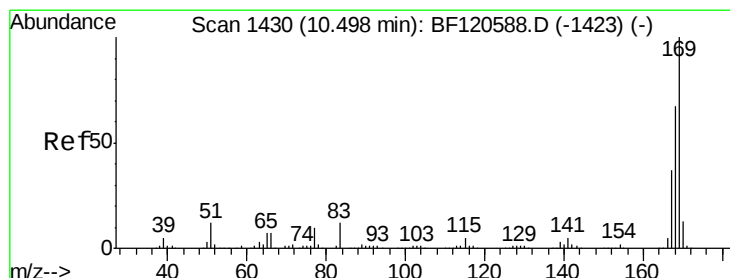
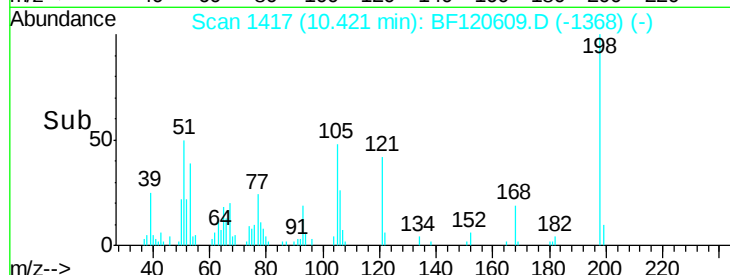
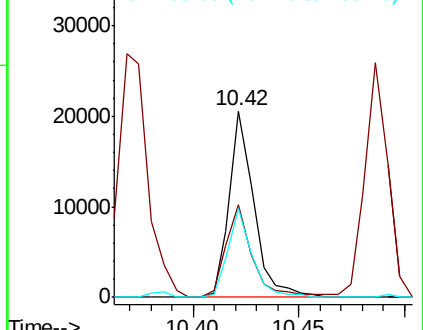
105 47.5 23.9 63.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 8.344 ng

RT: 10.49 min Scan# 1428

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

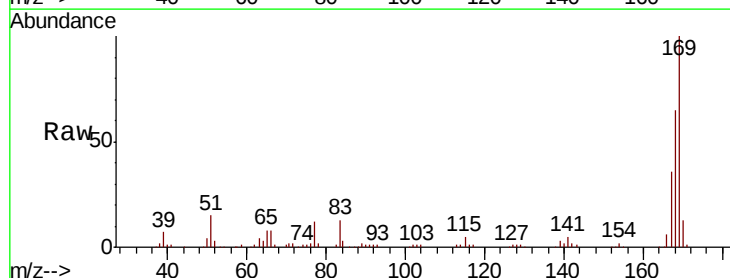
Tgt Ion:169 Resp: 141257

Ion Ratio Lower Upper

169 100

168 65.4 53.7 80.5

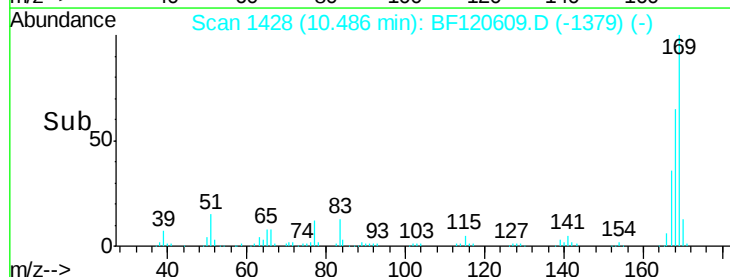
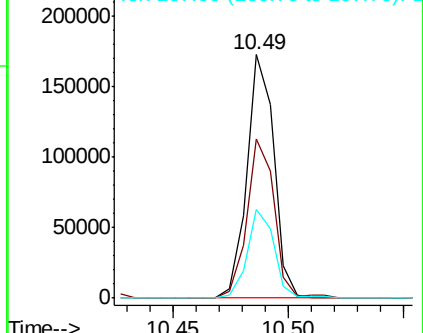
167 36.3 29.9 44.9

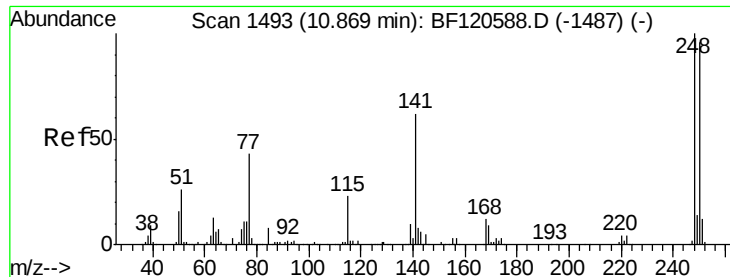


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

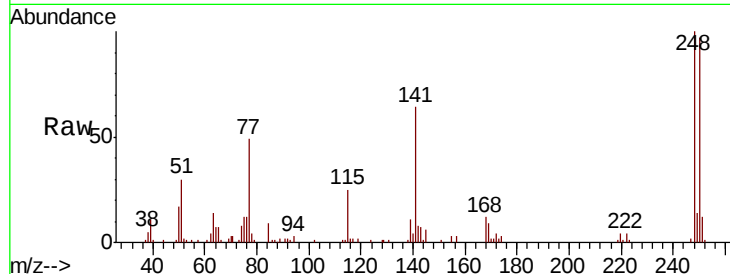




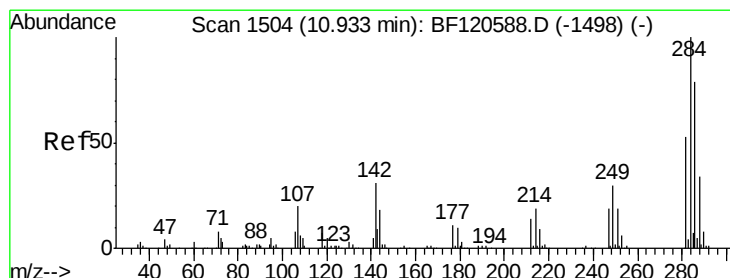
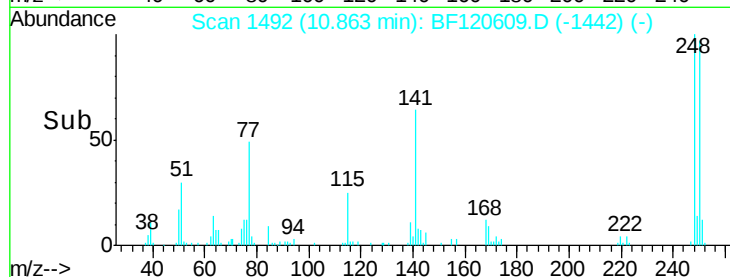
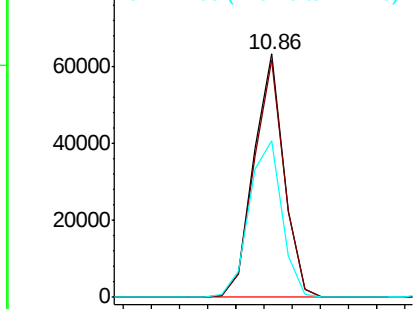
#67
 4-Bromophenyl-phenylether
 Concen: 7.527 ng
 RT: 10.86 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Tot Ion:248 Resp: 47097
 Ion Ratio Lower Upper
 248 100
 250 97.3 76.7 115.1
 141 64.2 49.4 74.0

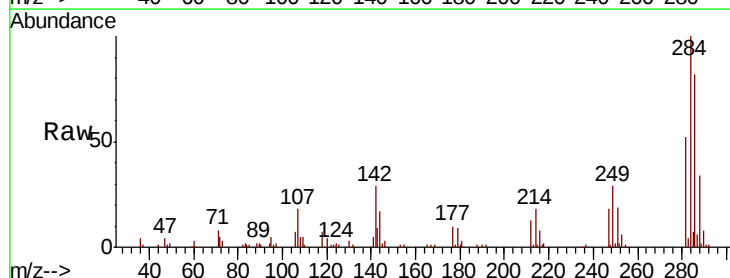


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

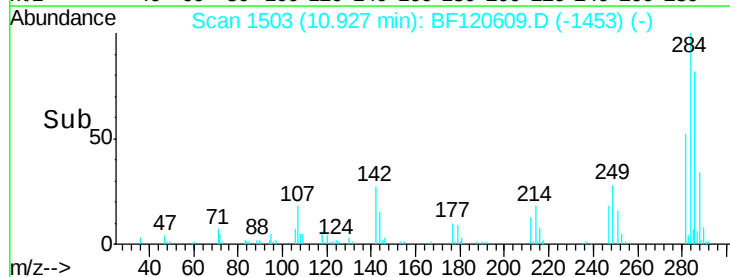
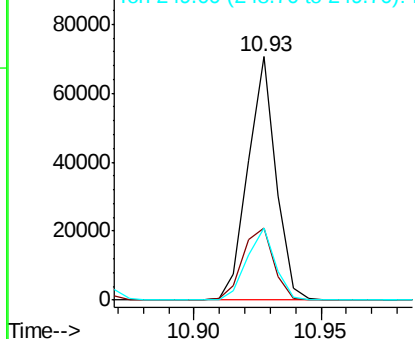


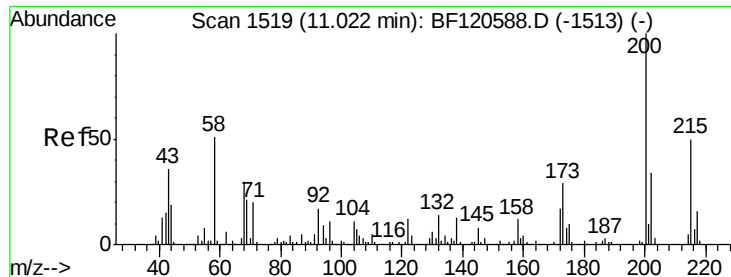
#68
 Hexachlorobenzene
 Concen: 8.044 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion:284 Resp: 54112
 Ion Ratio Lower Upper
 284 100
 142 29.5 25.1 37.7
 249 29.4 24.0 36.0



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E

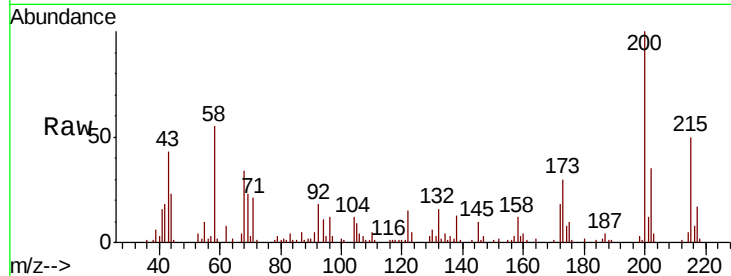




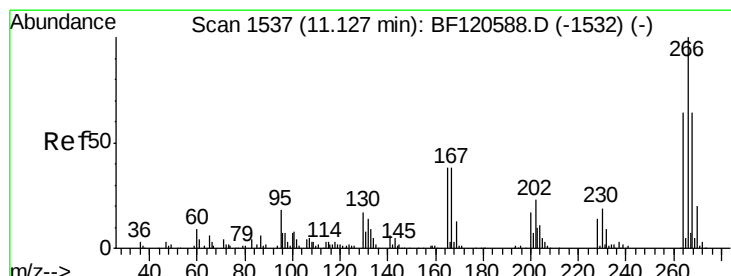
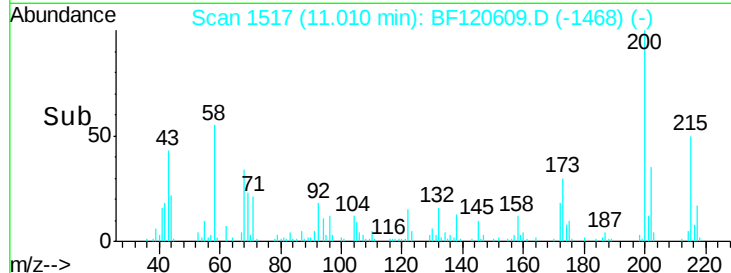
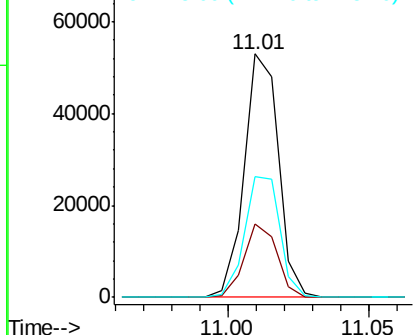
#69
Atrazine
Concen: 8.478 ng
RT: 11.01 min Scan# 1517
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion:200 Resp: 44415
Ion Ratio Lower Upper
200 100
173 30.3 9.1 49.1
215 49.8 29.8 69.8

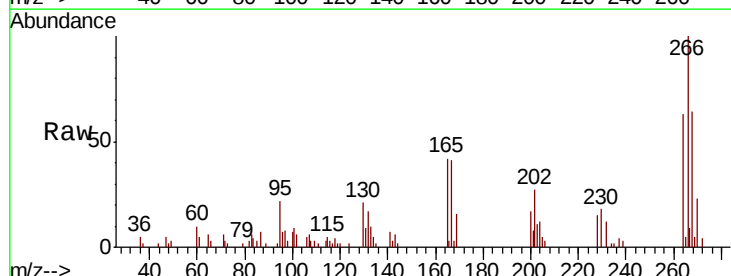


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

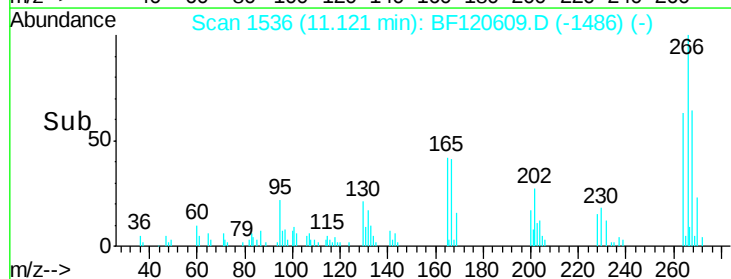
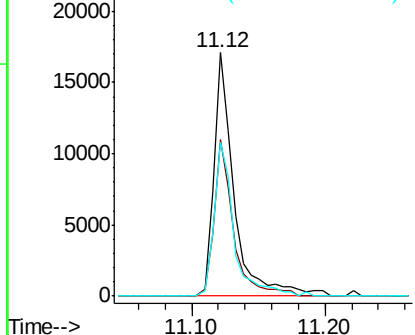


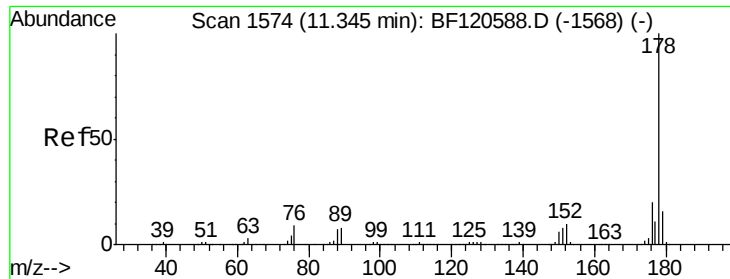
#70
Pentachlorophenol
Concen: 4.868 ng
RT: 11.12 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion:266 Resp: 18207
Ion Ratio Lower Upper
266 100
268 64.5 51.4 77.0
264 63.2 50.8 76.2



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 8.570 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

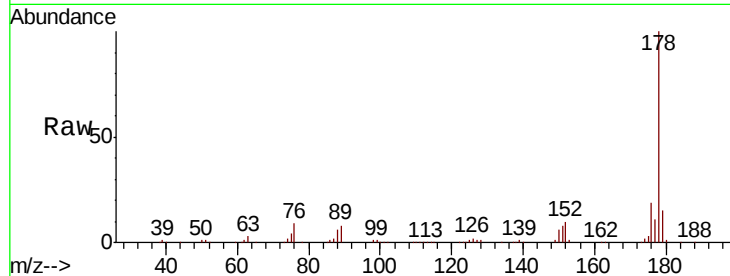
BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:178 Resp: 234867

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.9	23.9
179	15.0	12.8	19.2

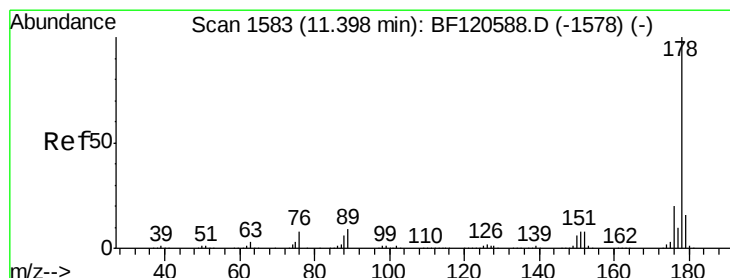
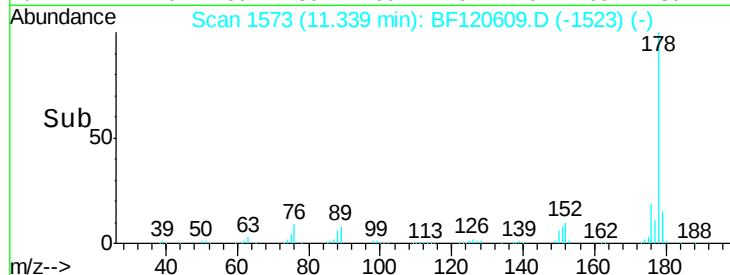
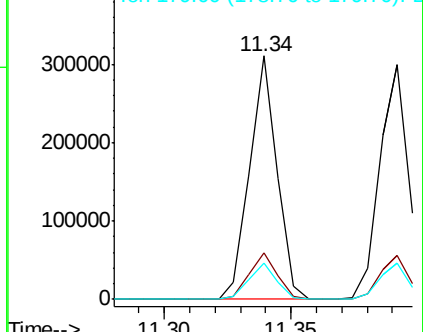


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 8.596 ng

RT: 11.39 min Scan# 1582

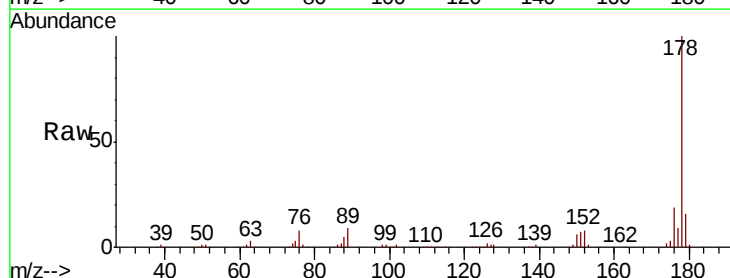
Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Tgt Ion:178 Resp: 237449

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	15.7	12.9	19.3

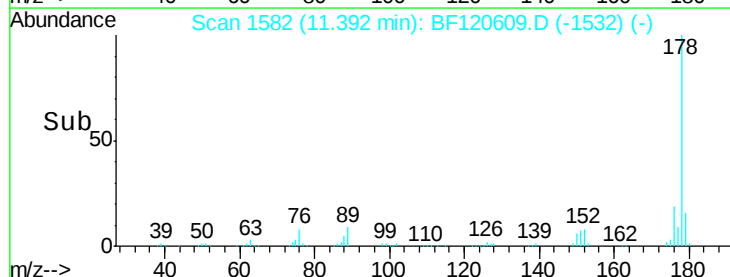
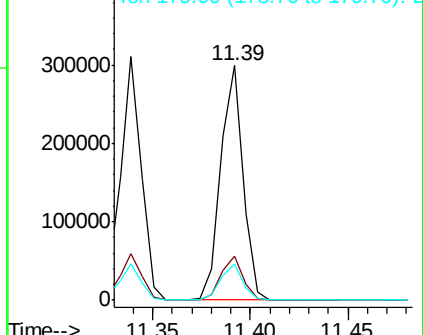


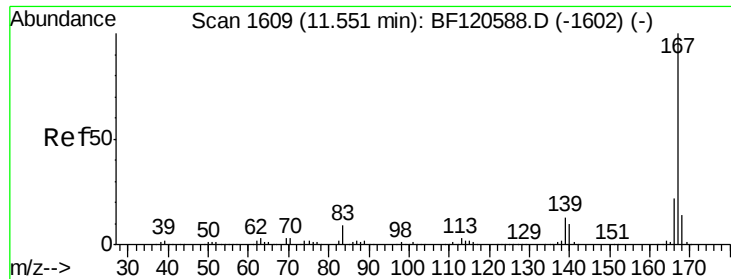
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

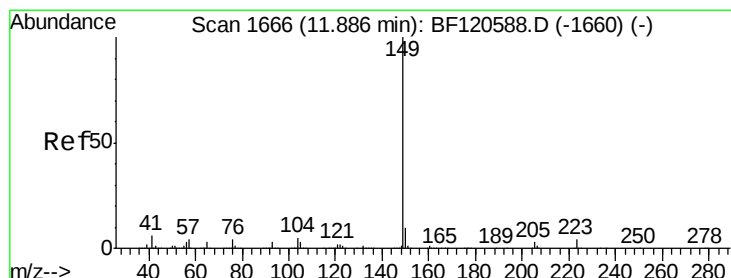
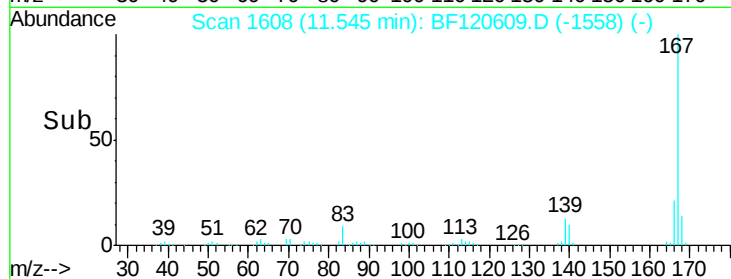
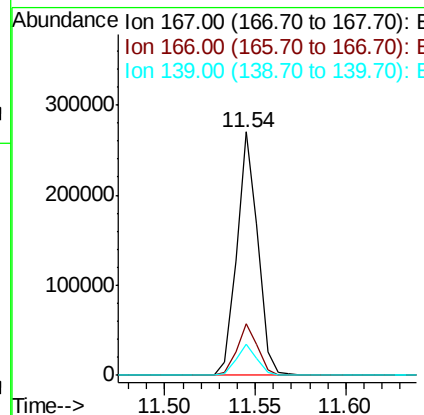
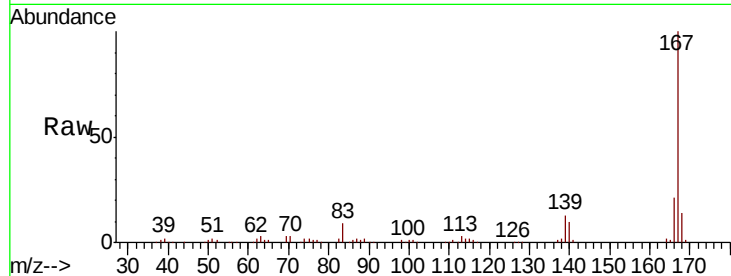




#73
 Carbazole
 Concen: 7.909 ng
 RT: 11.54 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

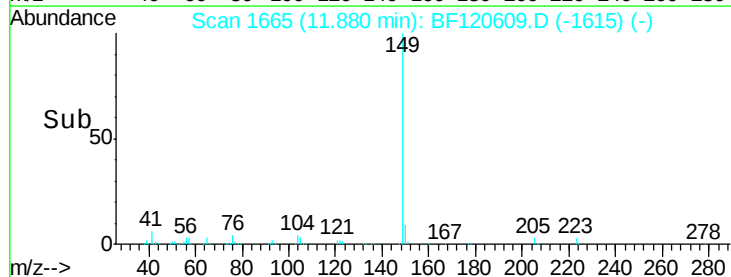
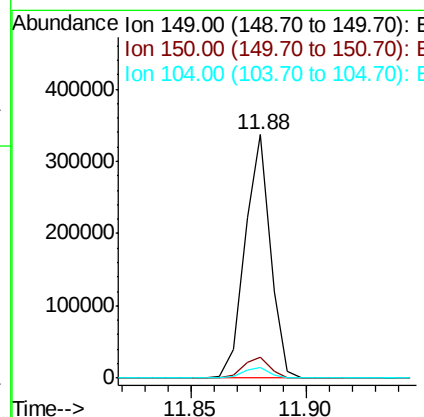
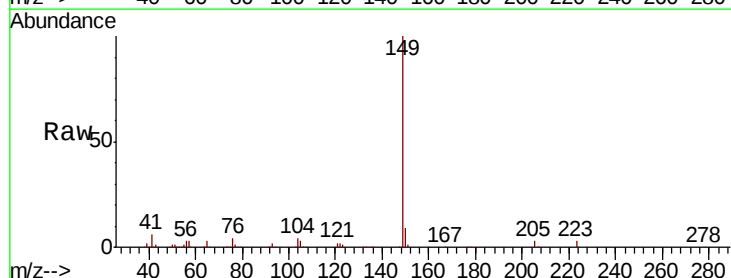
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

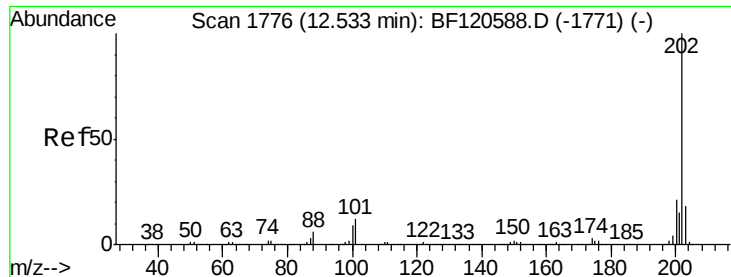
Tot Ion:167 Resp: 216280
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.2 25.8
 139 12.6 10.1 15.1



#74
 Di-n-butylphthalate
 Concen: 8.386 ng
 RT: 11.88 min Scan# 1665
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion:149 Resp: 257794
 Ion Ratio Lower Upper
 149 100
 150 8.6 7.7 11.5
 104 4.5 3.7 5.5

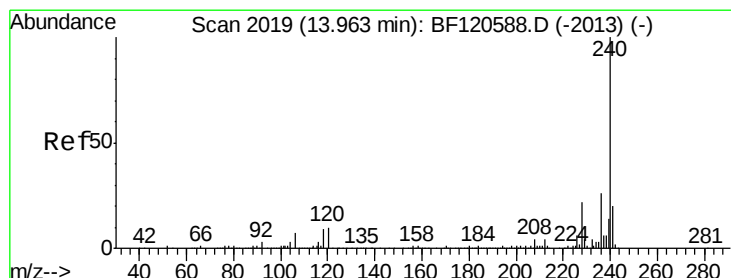
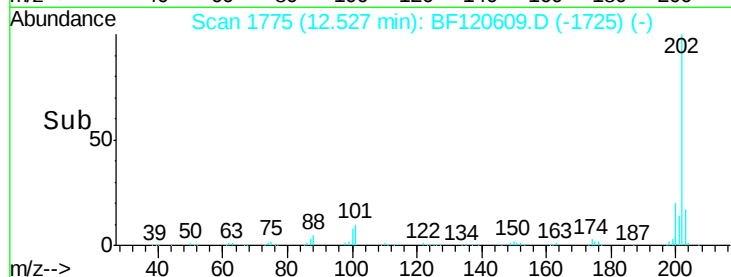
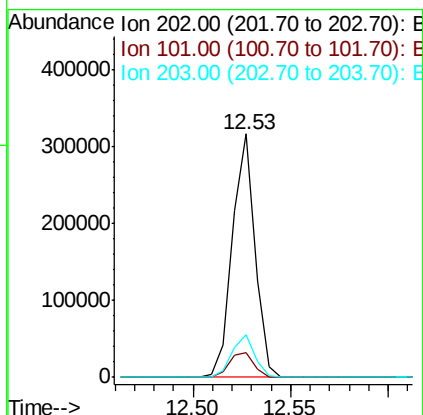
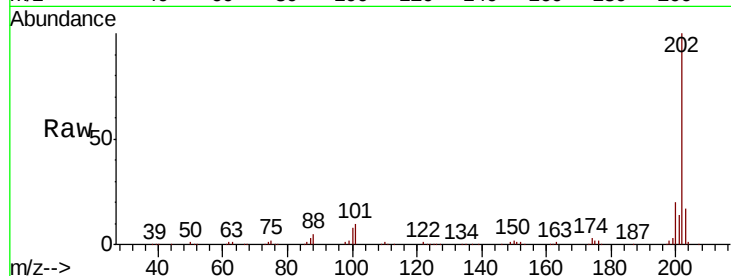




#75
Fluoranthene
Concen: 8.166 ng
RT: 12.53 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

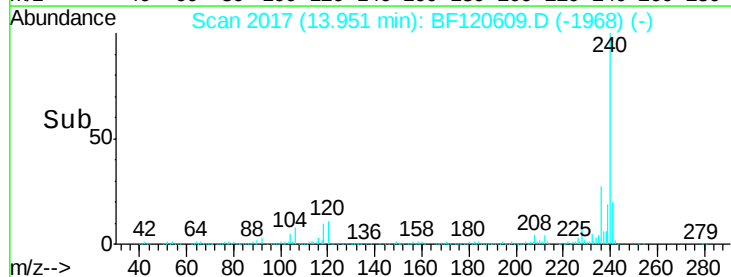
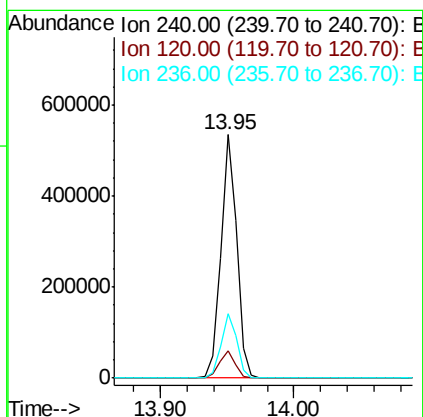
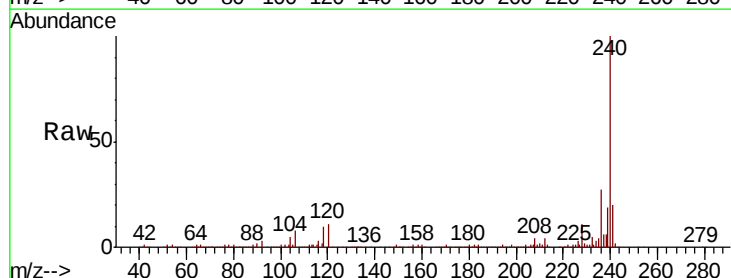
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

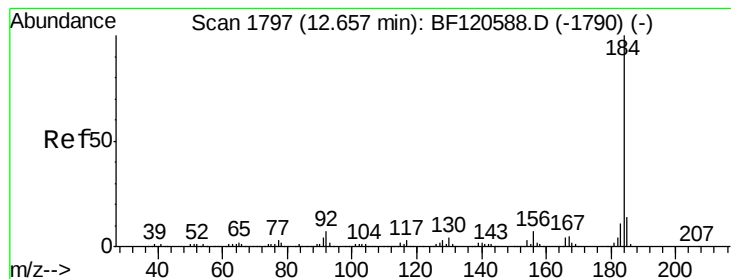
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	32.0
203	17.4	0.0	38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.3	12.5
236	26.6	21.0	31.4





#77

Benzidine

Concen: 8.782 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

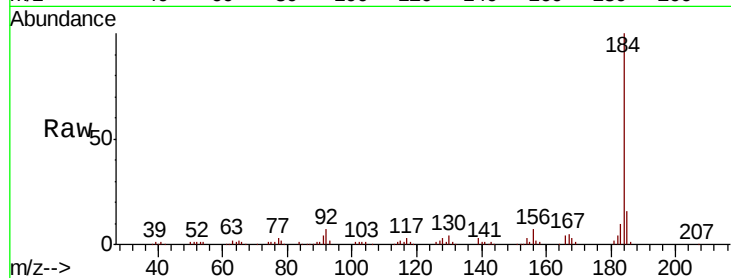
BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:184 Resp: 133634

Ion	Ratio	Lower	Upper
184	100		
185	16.1	11.4	17.0
183	10.4	9.0	13.6

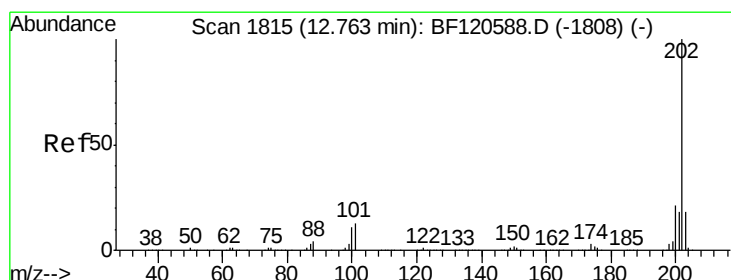
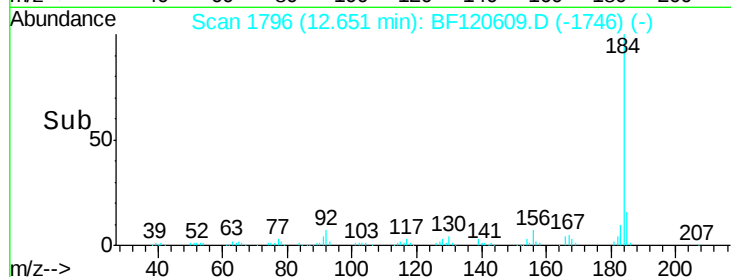
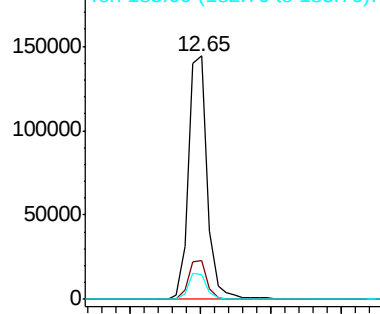


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 8.385 ng

RT: 12.76 min Scan# 1814

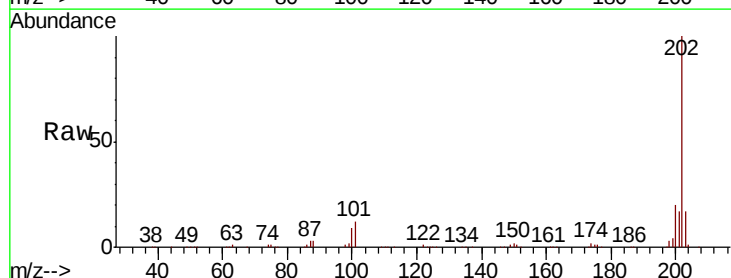
Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Tgt Ion:202 Resp: 267275

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.8	25.2
203	16.6	14.3	21.5

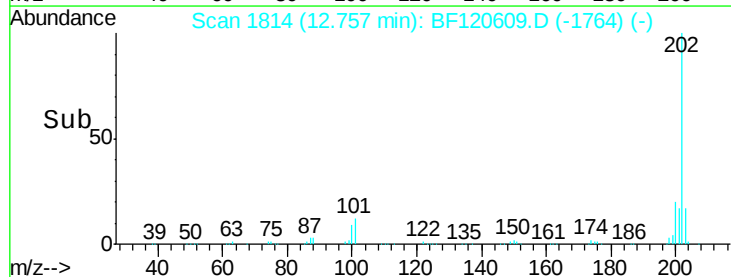
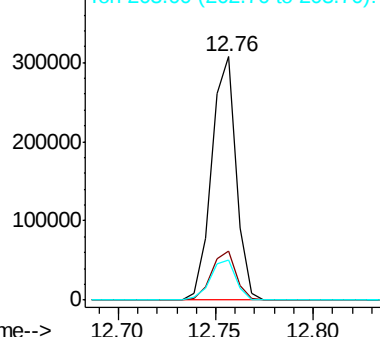


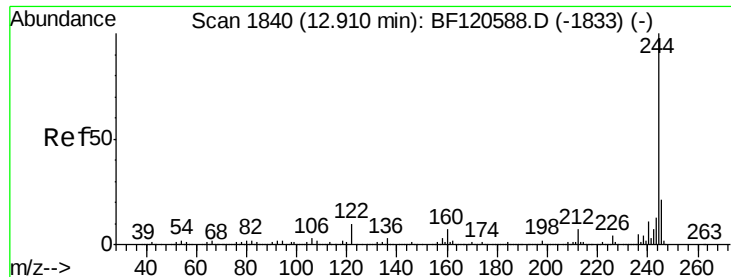
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 101.273 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2020

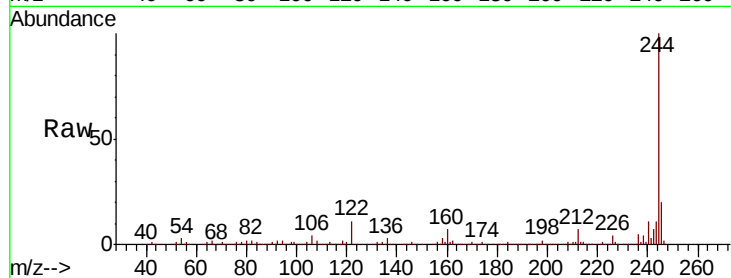
Tot Ion:244 Resp: 2062912

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

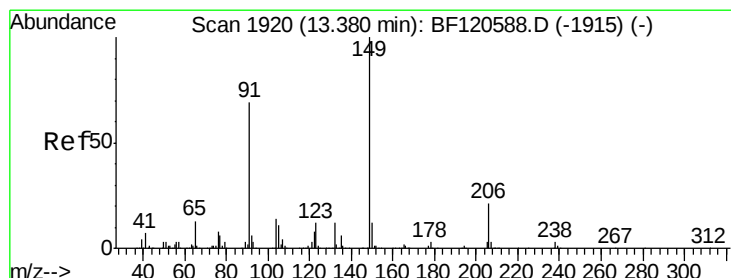
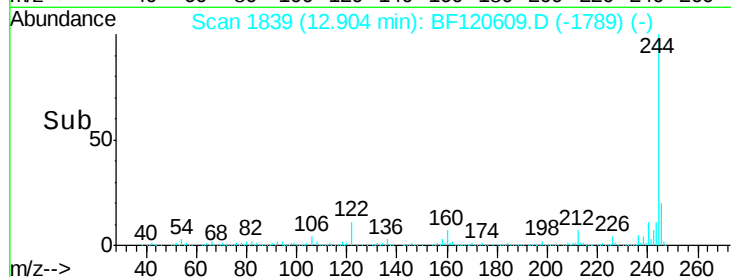
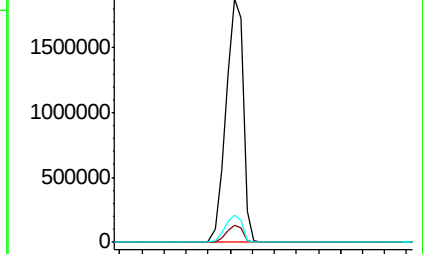
122 11.3 8.3 12.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 7.296 ng

RT: 13.37 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

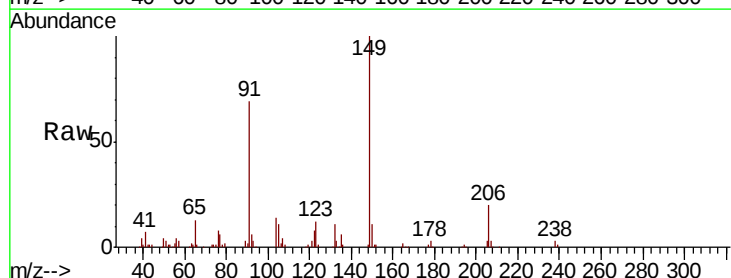
Tgt Ion:149 Resp: 103262

Ion Ratio Lower Upper

149 100

91 68.7 55.4 83.0

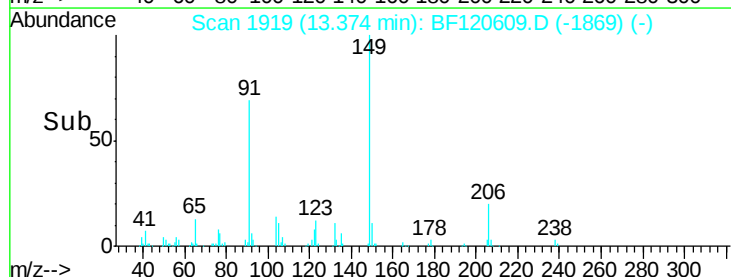
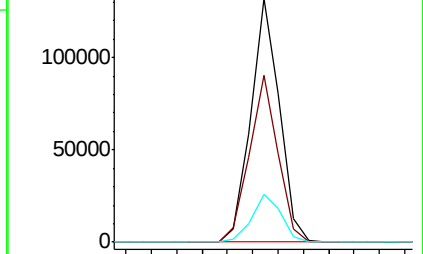
206 19.6 17.0 25.4

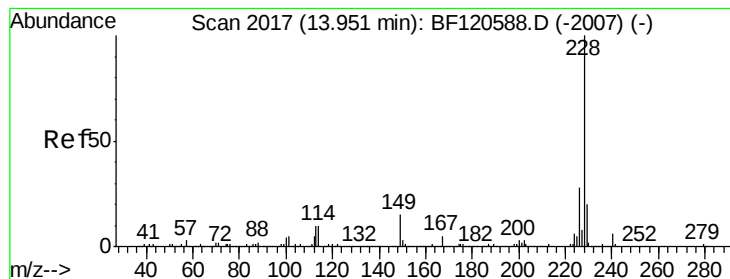


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 8.898 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2020

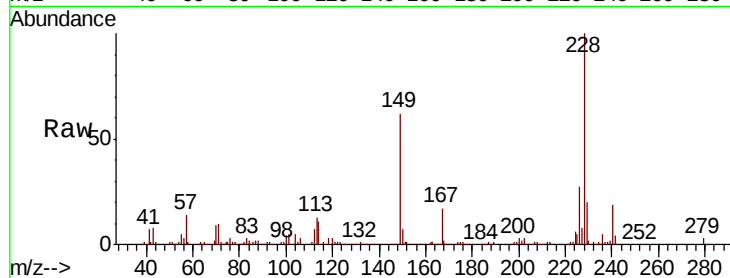
Tot Ion:228 Resp: 240538

Ion Ratio Lower Upper

228 100

226 26.8 22.5 33.7

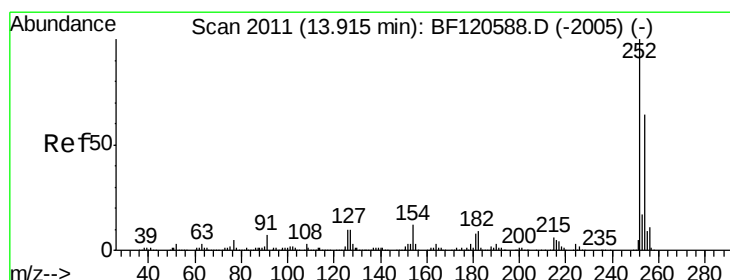
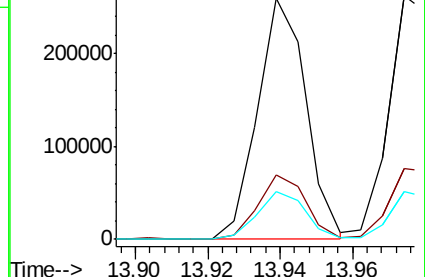
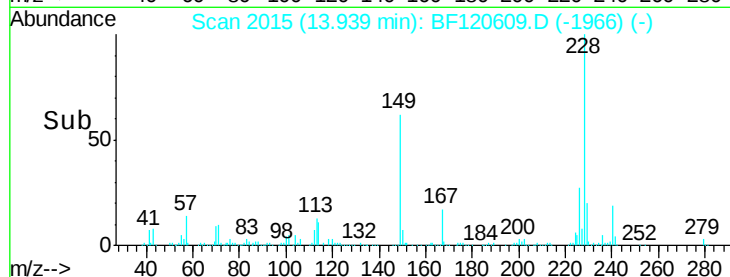
229 19.5 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 9.421 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

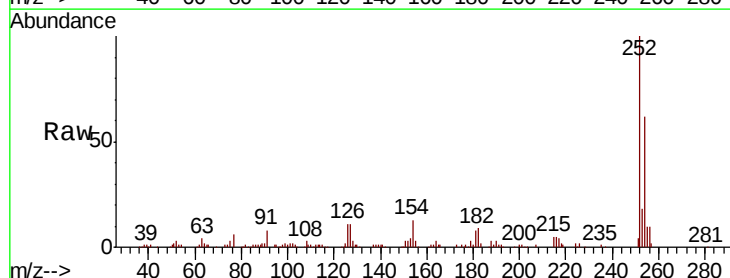
Tgt Ion:252 Resp: 97280

Ion Ratio Lower Upper

252 100

254 62.1 51.4 77.2

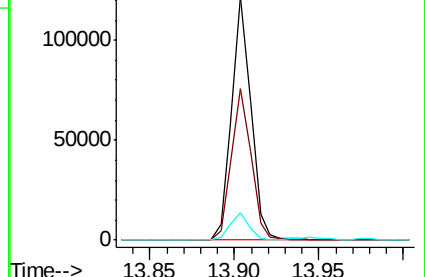
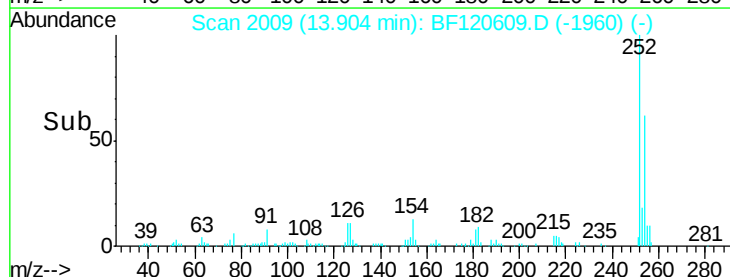
126 11.2 7.9 11.9

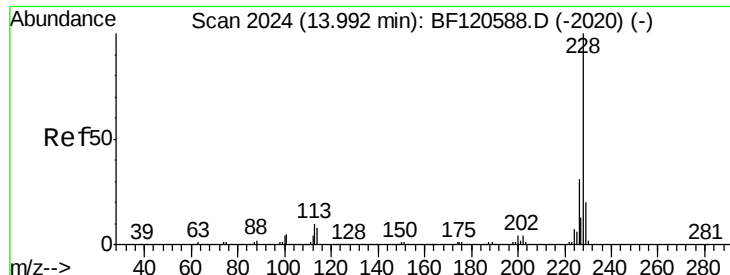


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 8.581 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2020

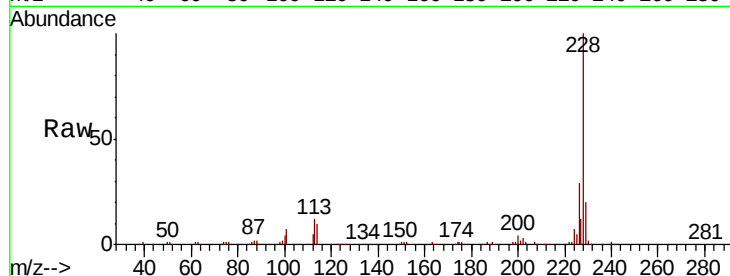
Tot Ion:228 Resp: 237944

Ion Ratio Lower Upper

228 100

226 29.2 24.9 37.3

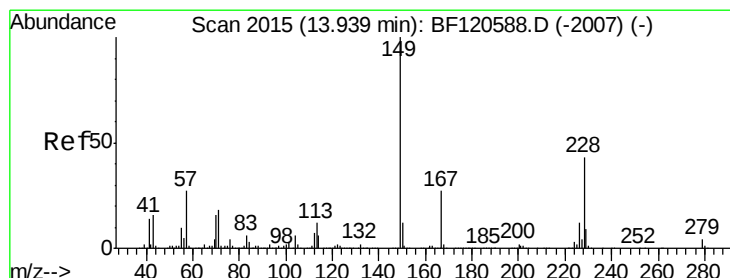
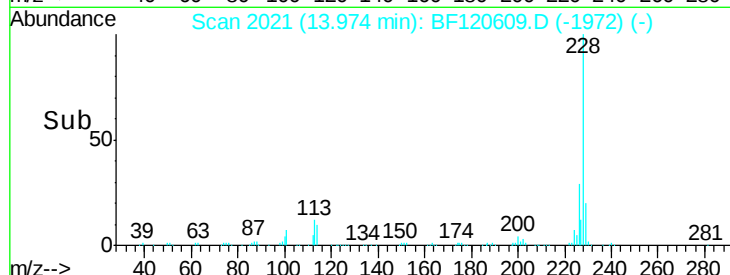
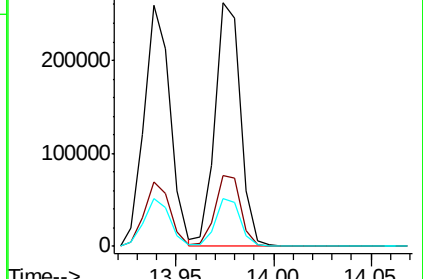
229 19.7 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.718 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF120609.D

Acq: 12 Jun 2020 9:40

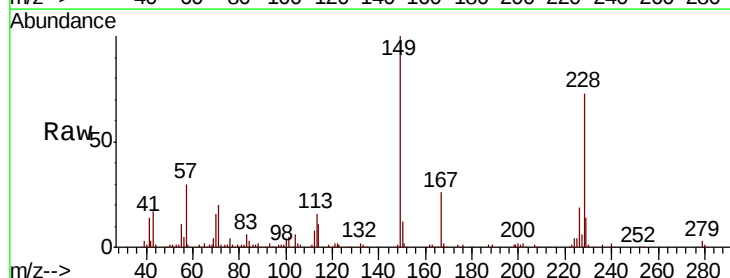
Tgt Ion:149 Resp: 150593

Ion Ratio Lower Upper

149 100

167 26.1 22.0 33.0

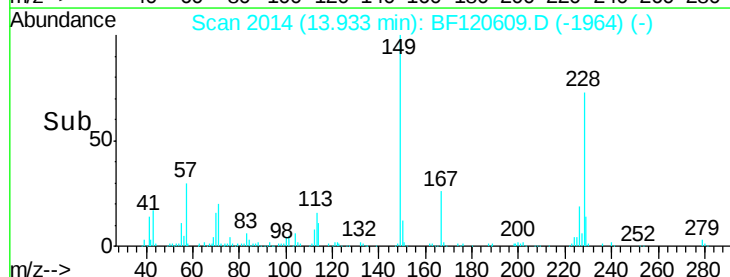
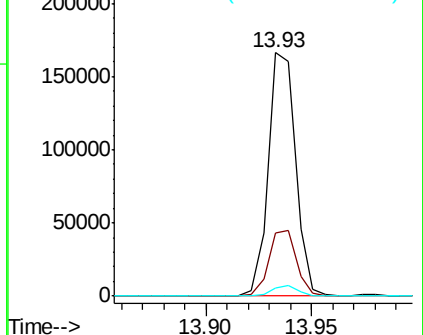
279 3.3 3.0 4.6

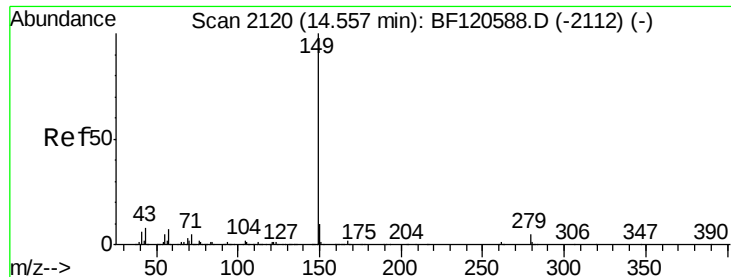


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

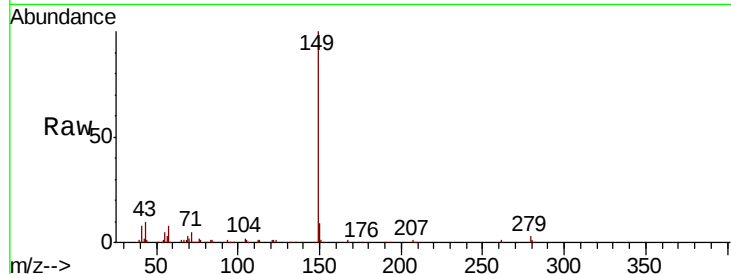




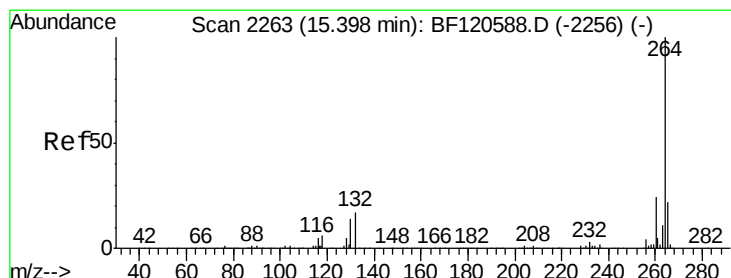
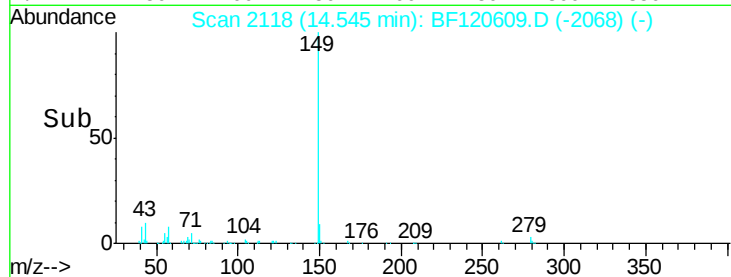
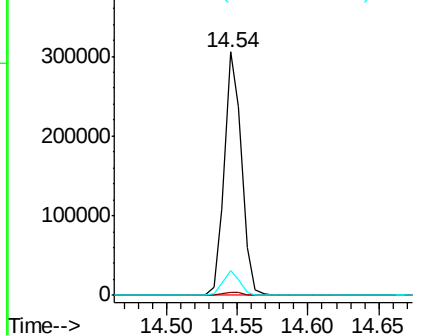
#85
Di-n-octyl phthalate
Concen: 7.857 ng
RT: 14.54 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.3	1.9
43	10.5	7.6	11.4

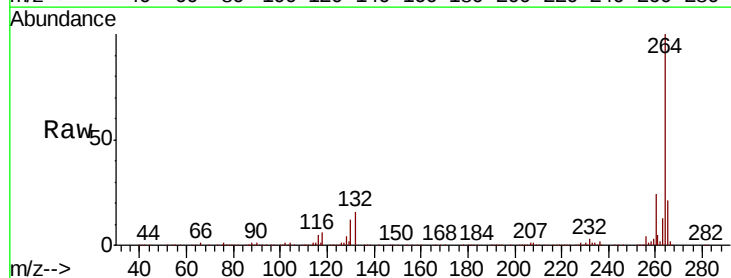


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

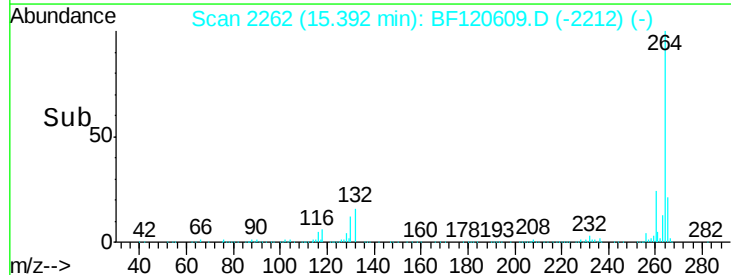
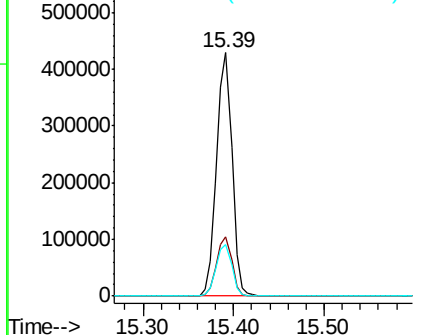


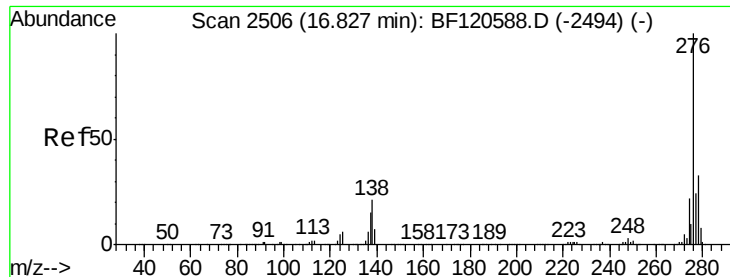
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.3	28.9
265	21.2	17.8	26.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

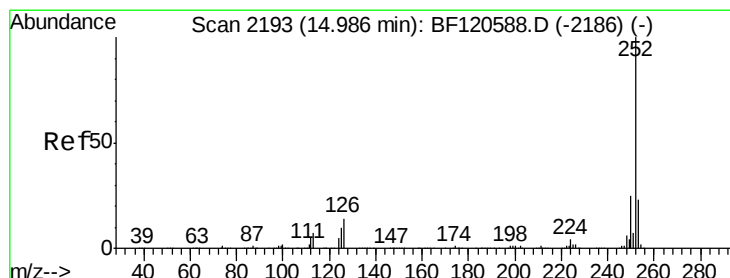
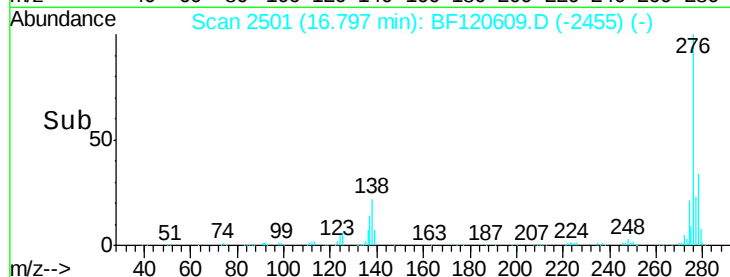
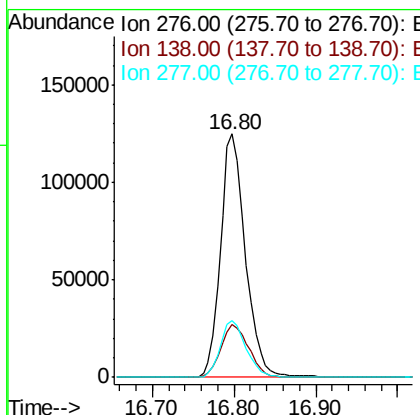
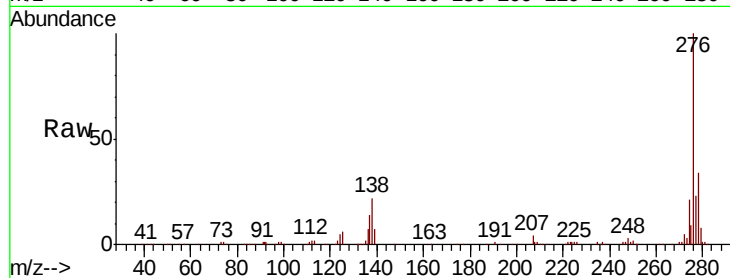




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.540 ng
 RT: 16.80 min Scan# 2501
 Delta R.T. -0.03 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

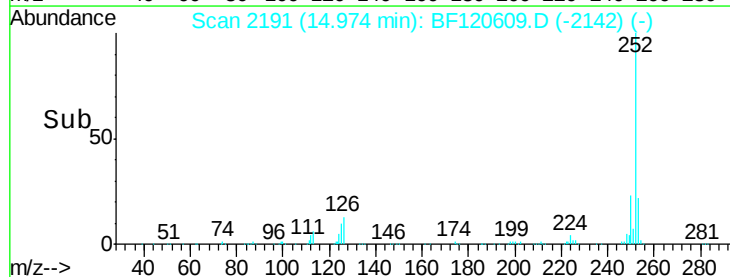
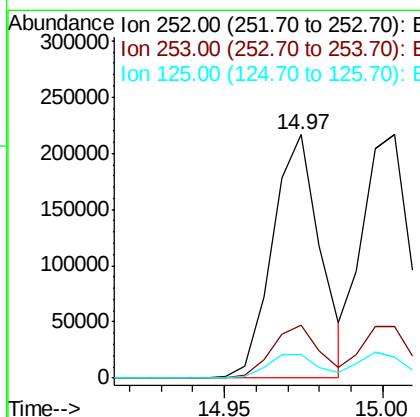
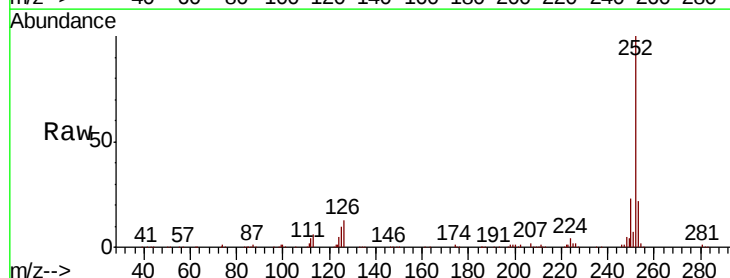
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

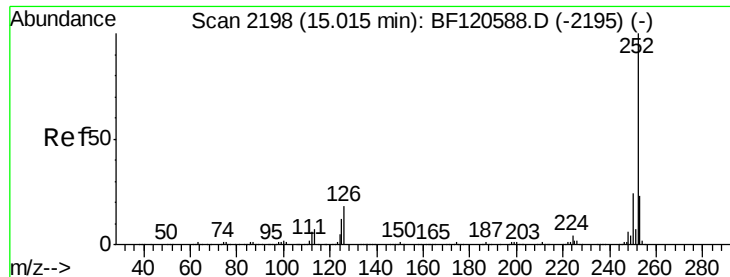
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	18.9	28.3
277	24.2	20.2	30.2



#88
 Benzo(b)fluoranthene
 Concen: 7.522 ng
 RT: 14.97 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BF120609.D
 Acq: 12 Jun 2020 9:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	9.5	8.3	12.5

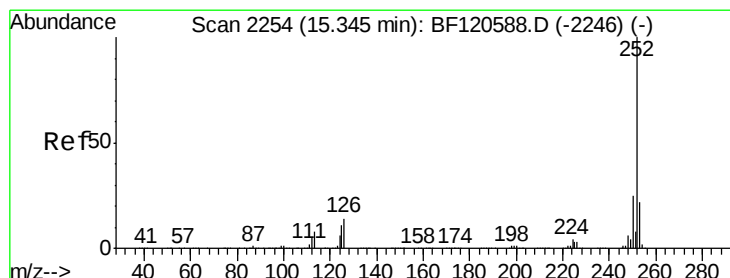
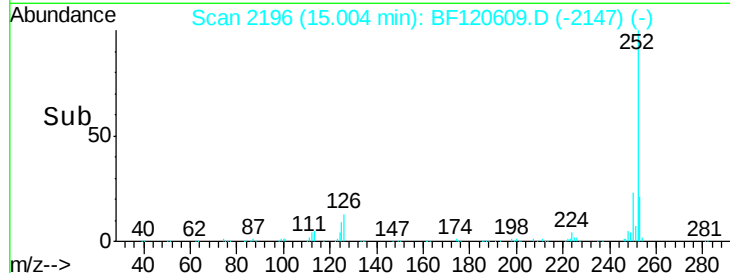
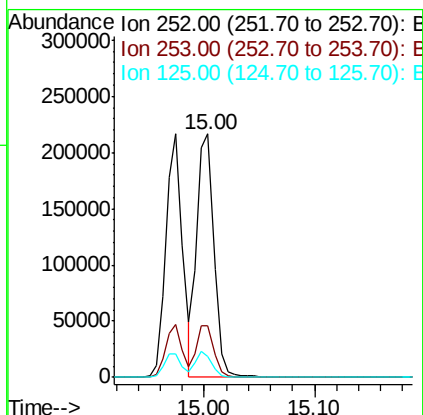
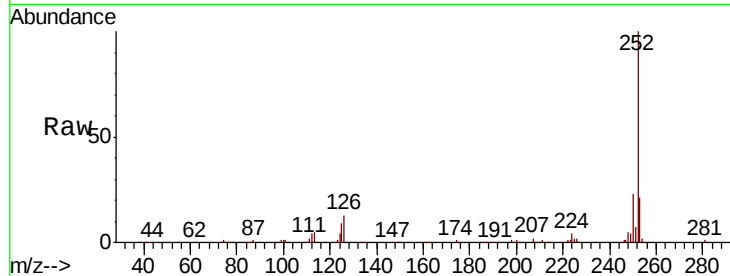




#89
Benzo(k)fluoranthene
Concen: 8.580 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

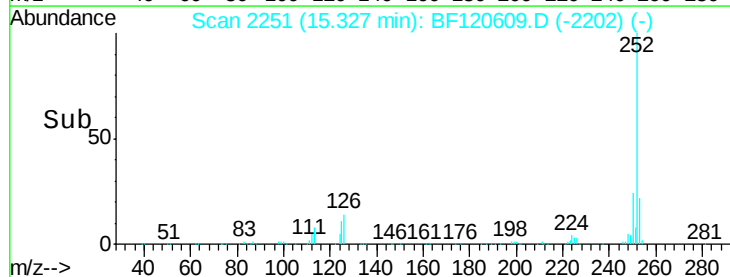
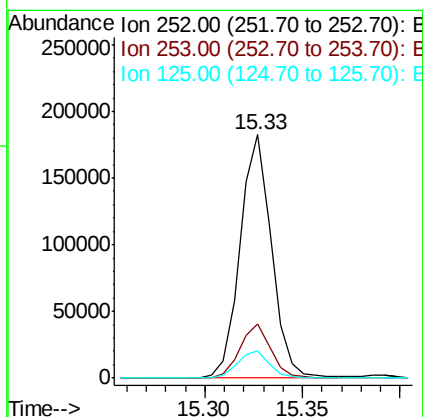
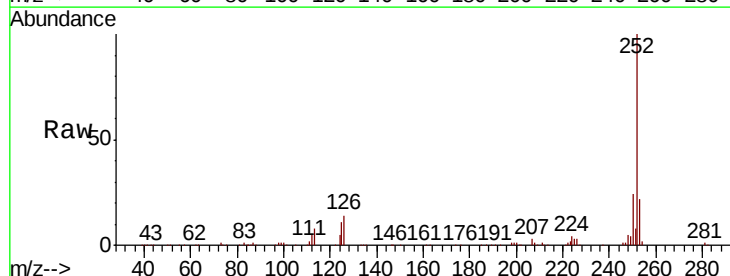
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

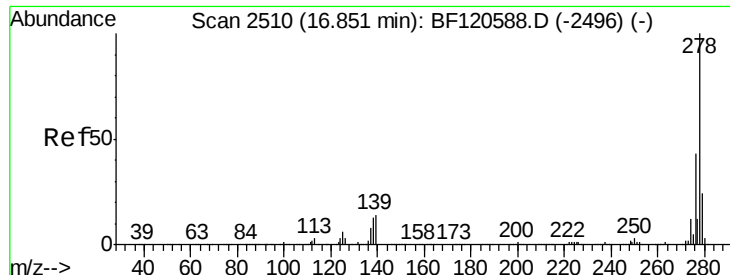
Tot Ion:252 Resp: 230004
Ion Ratio Lower Upper
252 100
253 21.4 18.0 27.0
125 8.8 8.3 12.5



#90
Benzo(a)pyrene
Concen: 7.512 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion:252 Resp: 203664
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 11.2 8.6 12.8

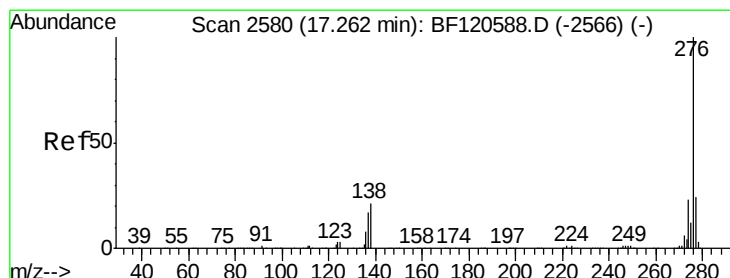
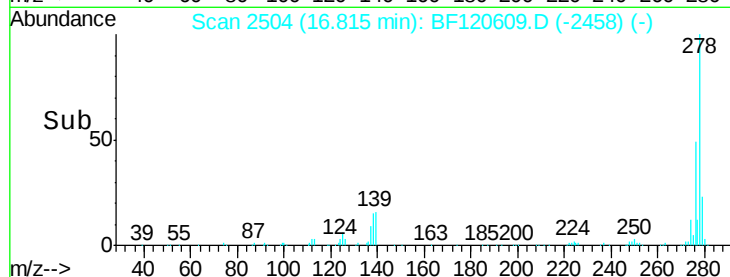
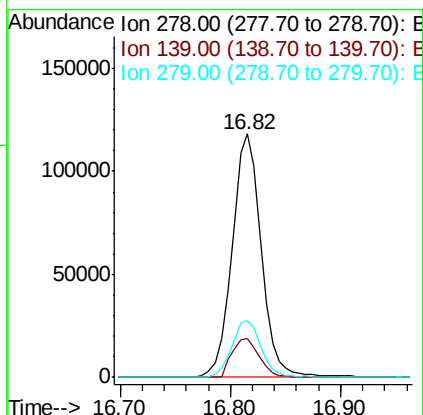
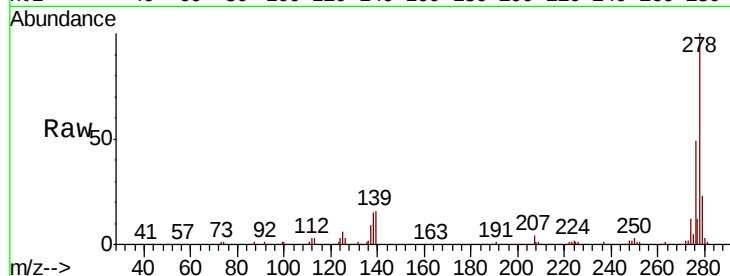




#91
Dibenzo(a,h)anthracene
Concen: 8.828 ng
RT: 16.82 min Scan# 2504
Delta R.T. -0.03 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion:278 Resp: 219001
Ion Ratio Lower Upper
278 100
139 15.8 11.4 17.2
279 23.1 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 8.818 ng
RT: 17.23 min Scan# 2574
Delta R.T. -0.03 min
Lab File: BF120609.D
Acq: 12 Jun 2020 9:40

Tgt Ion:276 Resp: 220480
Ion Ratio Lower Upper
276 100
277 23.0 19.6 29.4
138 20.1 16.5 24.7

