

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070920\
 Data File : BF120811.D
 Acq On : 9 Jul 2020 11:32
 Operator : JU/CG
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-8PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Quant Time: Jul 09 12:13:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 11:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	136434	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	507072	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	247149	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	435077	20.00	ng	0.00
76) Chrysene-d12	14.00	240	312942	20.00	ng	0.00
86) Perylene-d12	15.46	264	259786	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	820735	92.86	ng	0.00
7) Phenol-d6	6.47	99	1046128	92.68	ng	0.00
23) Nitrobenzene-d5	7.41	82	697105	79.65	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	245573	98.90	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1273040	77.93	ng	0.00
79) Terphenyl-d14	12.96	244	1007034	63.00	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.58	88	32317	8.005	ng	98
3) Pyridine	3.36	79	57713	5.219	ng	98
4) n-Nitrosodimethylamine	3.26	42	35462	6.410	ng	95
6) Aniline	6.50	93	101872	7.028	ng	99
8) 2-Chlorophenol	6.63	128	65941	7.008	ng	92
9) Benzaldehyde	6.39	77	57571	8.576	ng	95
10) Phenol	6.48	94	82284	7.087	ng	95
11) bis(2-Chloroethyl)ether	6.58	93	64920	6.871	ng	99
12) 1,3-Dichlorobenzene	6.79	146	71910	6.943	ng	96
13) 1,4-Dichlorobenzene	6.86	146	73070	7.044	ng	98
14) 1,2-Dichlorobenzene	7.02	146	69841	7.076	ng	99
15) Benzyl Alcohol	6.98	79	64687	7.628	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.12	45	97296	6.602	ng	99
17) 2-Methylphenol	7.09	107	50377	5.984	ng	95
18) Hexachloroethane	7.36	117	26537	6.806	ng	94
19) n-Nitroso-di-n-propylamine	7.25	70	45396	6.680	ng	99
20) 3+4-Methylphenols	7.24	107	66495	6.413	ng	93
22) Acetophenone	7.25	105	97049	7.700	ng	95
24) Nitrobenzene	7.42	77	74370	7.568	ng	94
25) Isophorone	7.66	82	122902	6.512	ng	98
26) 2-Nitrophenol	7.74	139	21830	6.077	ng	93
27) 2,4-Dimethylphenol	7.77	122	53830	7.144	ng	98
28) bis(2-Chloroethoxy)methane	7.87	93	78415	7.020	ng	# 97
29) 2,4-Dichlorophenol	7.98	162	48932	6.505	ng	98
30) 1,2,4-Trichlorobenzene	8.07	180	56407	6.677	ng	96
31) Naphthalene	8.15	128	196196	7.240	ng	98
32) Benzoic acid	7.83	122	17881	4.385	ng	93
33) 4-Chloroaniline	8.19	127	75157	6.536	ng	95
34) Hexachlorobutadiene	8.27	225	33011	6.497	ng	97
35) Caprolactam	8.52	113	12661	5.777	ng	96
36) 4-Chloro-3-methylphenol	8.67	107	49640	6.344	ng	95
37) 2-Methylnaphthalene	8.84	142	123011	6.983	ng	98
38) 1-Methylnaphthalene	8.94	142	116866	7.082	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	54382	7.281	ng	98

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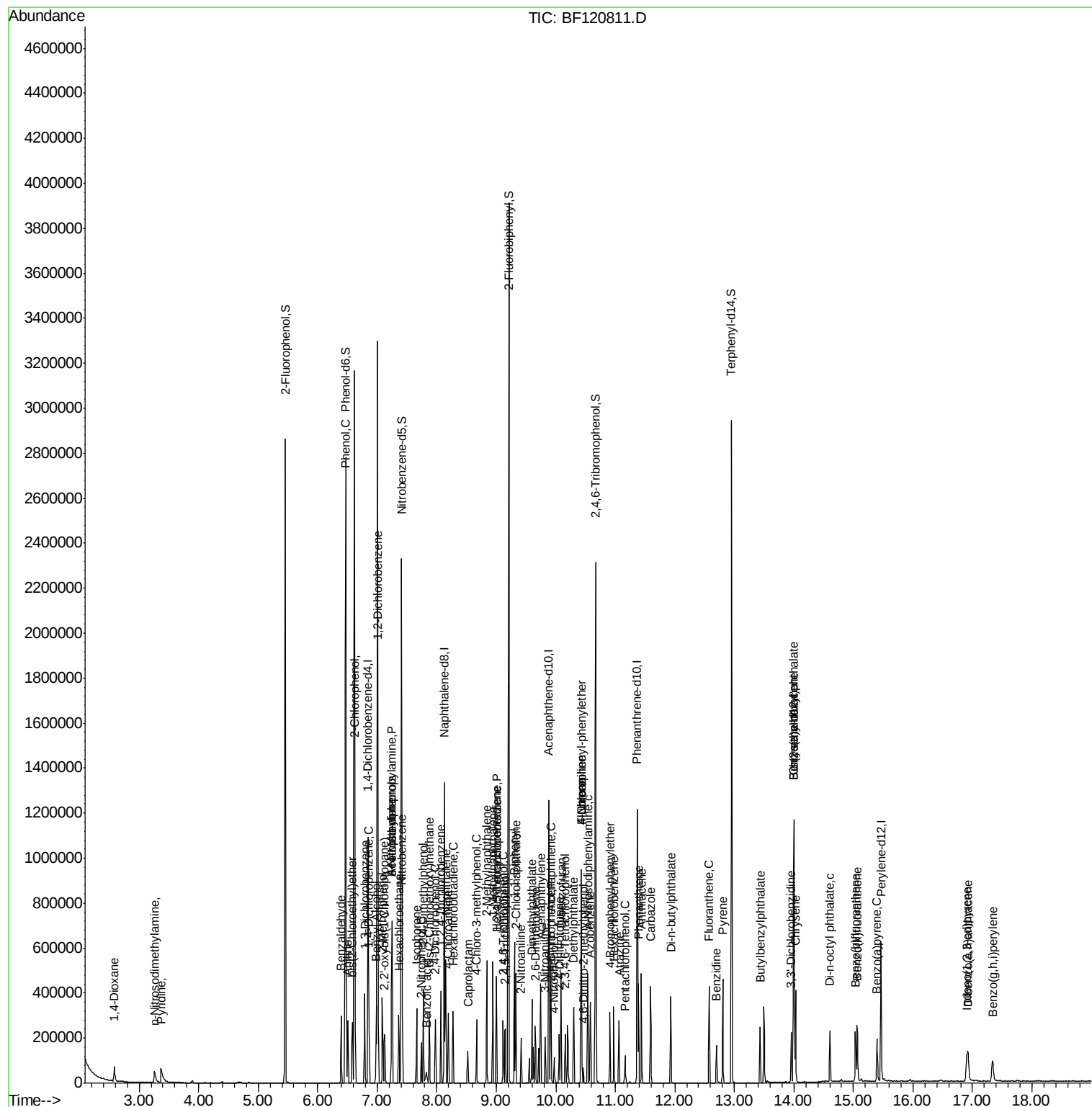
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	26175	5.931	ng	97
43) 2,4,6-Trichlorophenol	9.12	196	30275	5.948	ng	98
44) 2,4,5-Trichlorophenol	9.15	196	32953	5.834	ng	97
46) 1,1'-Biphenyl	9.30	154	155066	7.778	ng	99
47) 2-Chloronaphthalene	9.33	162	109796	6.875	ng	99
48) 2-Nitroaniline	9.42	65	28311	6.625	ng	86
49) Acenaphthylene	9.75	152	174607	6.973	ng	98
50) Dimethylphthalate	9.60	163	119820	6.646	ng	99
51) 2,6-Dinitrotoluene	9.66	165	21292	6.537	ng	89
52) Acenaphthene	9.92	154	105738	6.807	ng	99
53) 3-Nitroaniline	9.83	138	25115	6.241	ng	97
54) 2,4-Dinitrophenol	9.93	184	3076	2.860	ng	# 1
55) Dibenzofuran	10.09	168	155687	6.953	ng	99
56) 4-Nitrophenol	9.97	139	15827	5.355	ng	93
57) 2,4-Dinitrotoluene	10.06	165	25319	6.475	ng	98
58) Fluorene	10.43	166	117158	7.030	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.16	232	22162	5.272	ng	94
60) Diethylphthalate	10.30	149	119208	6.347	ng	98
61) 4-Chlorophenyl-phenylether	10.42	204	57125	6.818	ng	95
62) 4-Nitroaniline	10.43	138	23271	6.075	ng	90
63) Azobenzene	10.58	77	130430	6.789	ng	92
65) 4,6-Dinitro-2-methylphenol	10.46	198	5757	4.118	ng	95
66) n-Nitrosodiphenylamine	10.54	169	99377	6.815	ng	99
67) 4-Bromophenyl-phenylether	10.92	248	30105	5.965	ng	95
68) Hexachlorobenzene	10.97	284	33935	6.408	ng	97
69) Atrazine	11.06	200	27010	7.190	ng	98
70) Pentachlorophenol	11.17	266	13487	4.501	ng	97
71) Phenanthrene	11.39	178	163685	6.934	ng	98
72) Anthracene	11.44	178	162568	6.815	ng	98
73) Carbazole	11.59	167	145824	6.361	ng	98
74) Di-n-butylphthalate	11.93	149	161691	5.697	ng	99
75) Fluoranthene	12.57	202	159238	6.332	ng	98
77) Benzidine	12.70	184	56305	6.374	ng	96
78) Pyrene	12.80	202	166179	6.649	ng	98
80) Butylbenzylphthalate	13.43	149	51470	4.770	ng	97
81) Benzo(a)anthracene	13.99	228	134635	6.712	ng	99
82) 3,3'-Dichlorobenzidine	13.96	252	37984	5.611	ng	# 99
83) Chrysene	14.03	228	129874	6.347	ng	97
84) Bis(2-ethylhexyl)phthalate	13.99	149	82552	5.834	ng	98
85) Di-n-octyl phthalate	14.60	149	100274	4.006	ng	97
87) Indeno(1,2,3-cd)pyrene	16.90	276	97341	5.842	ng	97
88) Benzo(b)fluoranthene	15.04	252	101477	5.942	ng	97
89) Benzo(k)fluoranthene	15.06	252	108672	6.539	ng	98
90) Benzo(a)pyrene	15.40	252	88742	5.825	ng	98
91) Dibenzo(a,h)anthracene	16.93	278	83567	6.017	ng	95
92) Benzo(g,h,i)perylene	17.34	276	81349	6.409	ng	98

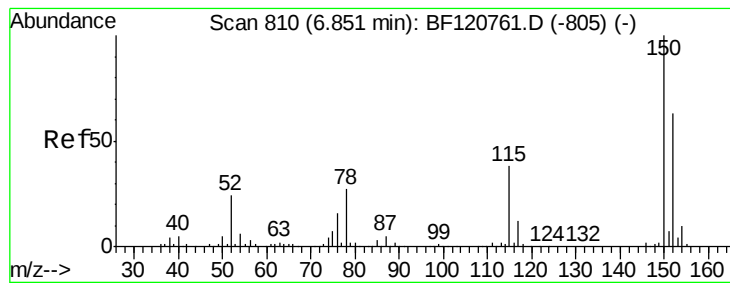
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

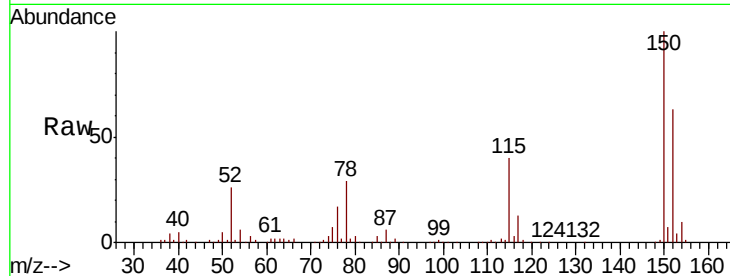
Tot Ion:152 Resp: 136434

Ion Ratio Lower Upper

152 100

150 158.0 126.1 189.1

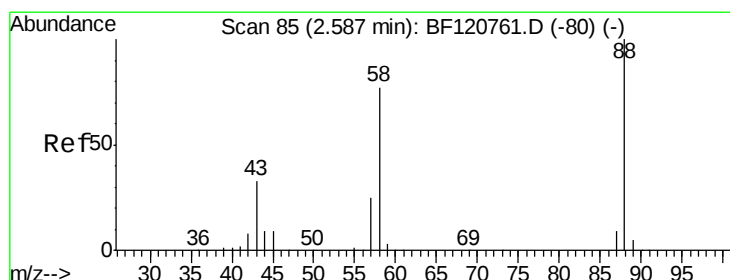
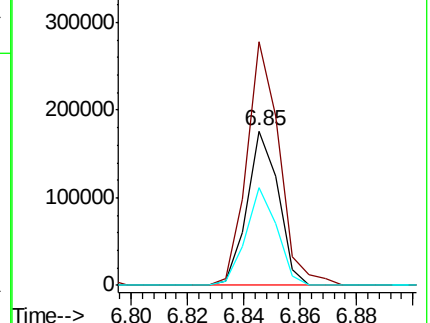
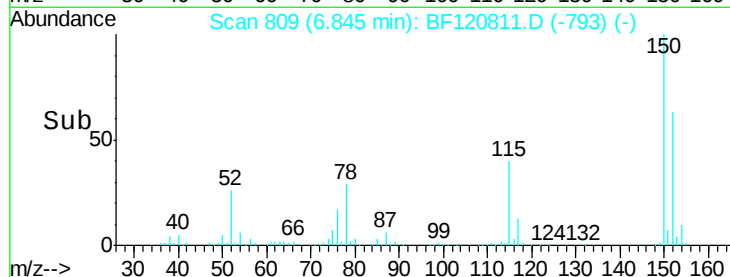
115 63.7 48.5 72.7



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: 8.005 ng

RT: 2.58 min Scan# 84

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

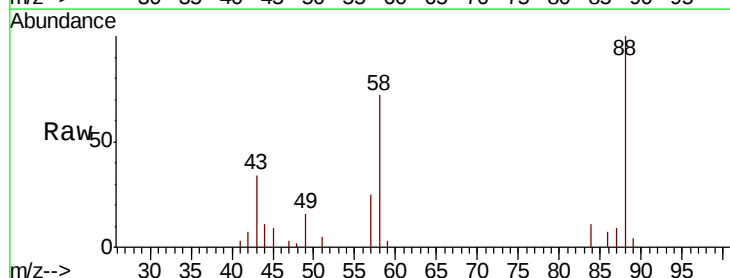
Tgt Ion: 88 Resp: 32317

Ion Ratio Lower Upper

88 100

58 74.5 60.4 90.6

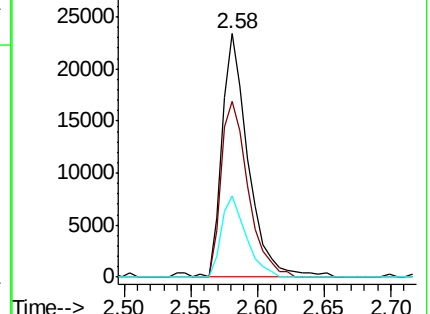
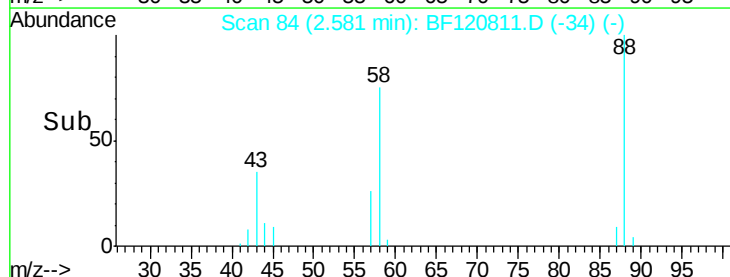
43 31.5 26.3 39.5

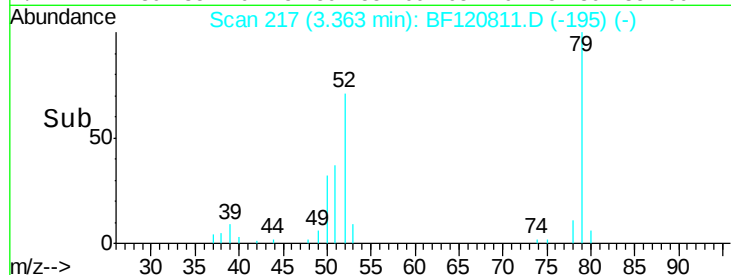
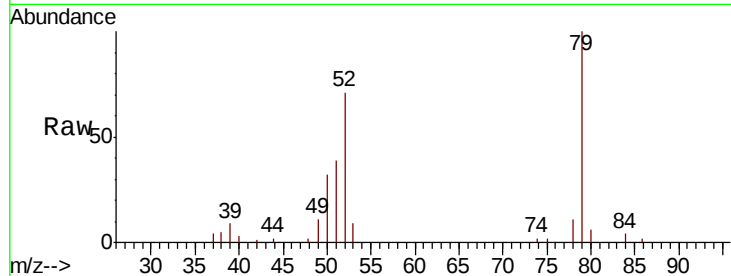
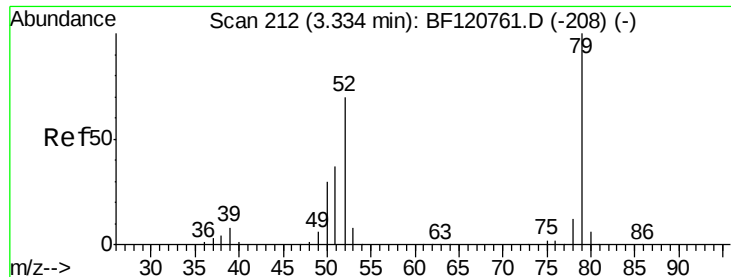


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1

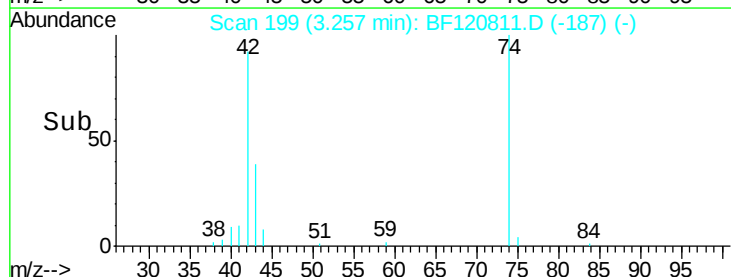
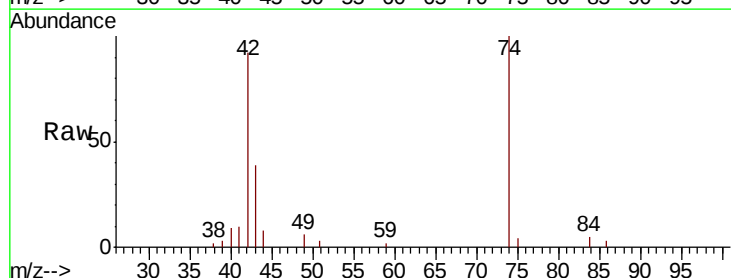
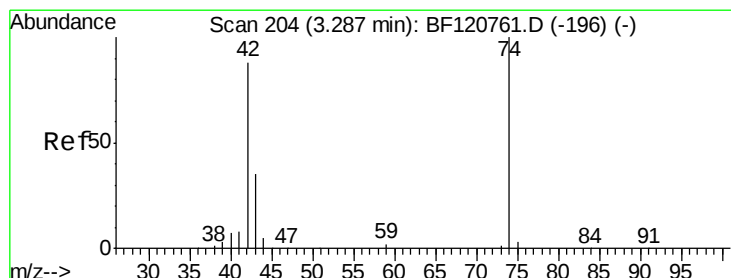
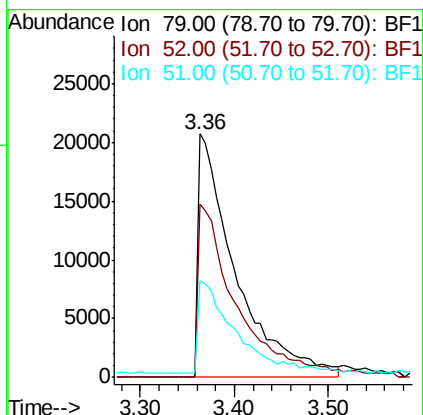




#3
 Pvridine
 Concen: 5.219 ng
 RT: 3.36 min Scan# 217
 Delta R.T. 0.03 min
 Lab File: BF120811.D
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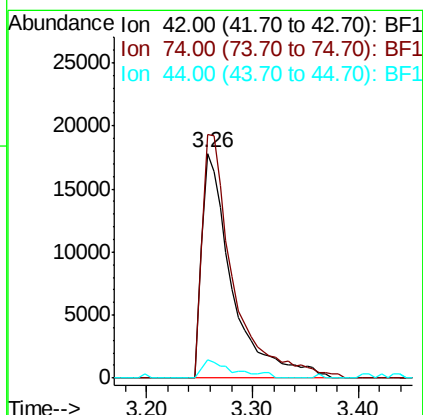
Instrument :
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 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

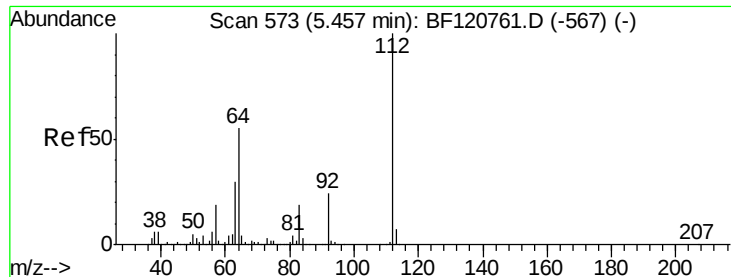
Tot Ion: 79 Resp: 57713
 Ion Ratio Lower Upper
 79 100
 52 71.3 56.3 84.5
 51 39.4 30.1 45.1



#4
 n-Nitrosodimethylamine
 Concen: 6.410 ng
 RT: 3.26 min Scan# 199
 Delta R.T. -0.03 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion: 42 Resp: 35462
 Ion Ratio Lower Upper
 42 100
 74 108.4 90.8 136.2
 44 8.1 5.8 8.8





#5

2-Fluorophenol

Concen: 92.860 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

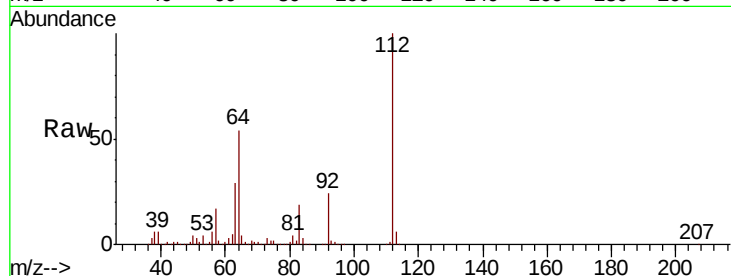
Tot Ion:112 Resp: 820735

Ion Ratio Lower Upper

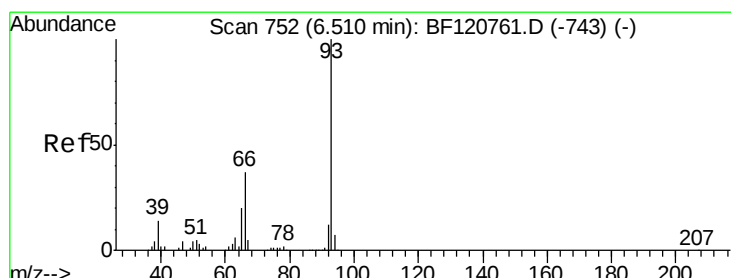
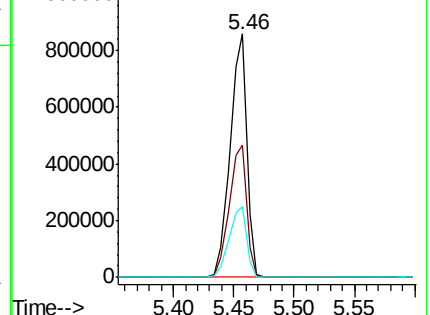
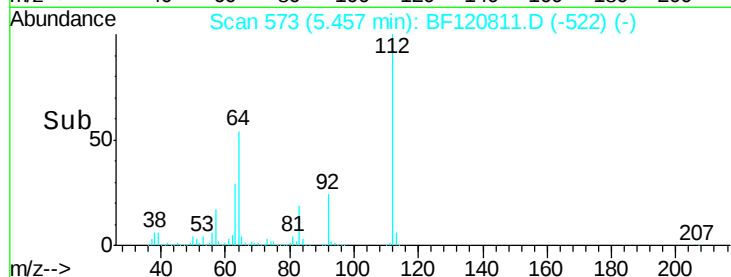
112 100

64 54.4 43.8 65.6

63 28.9 23.6 35.4



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: 7.028 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

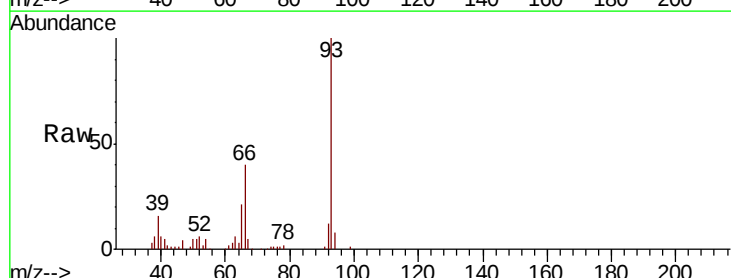
Tgt Ion: 93 Resp: 101872

Ion Ratio Lower Upper

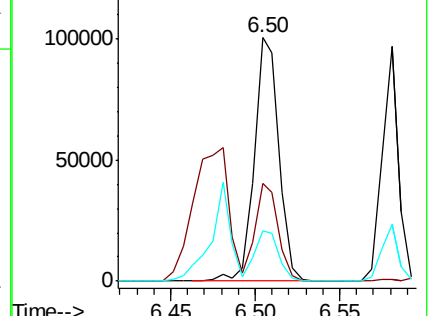
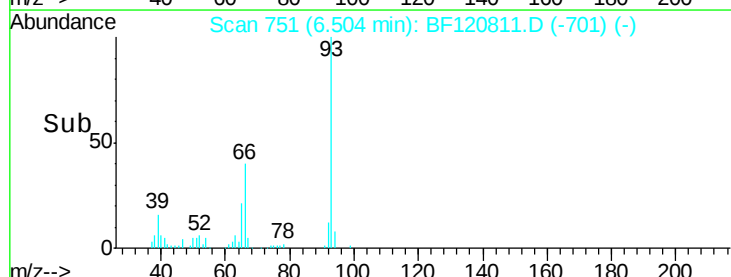
93 100

66 40.2 31.3 46.9

65 20.5 16.5 24.7



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: 92.684 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

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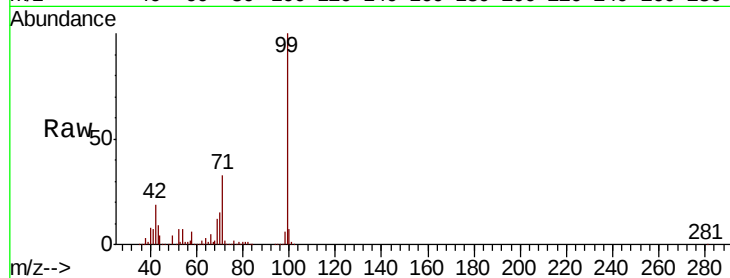
Tot Ion: 99 Resp: 1046128

Ion Ratio Lower Upper

99 100

42 19.2 15.4 23.0

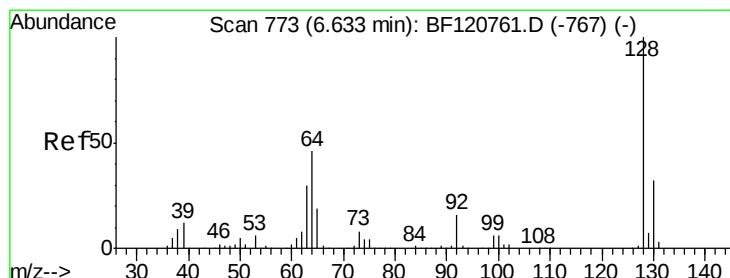
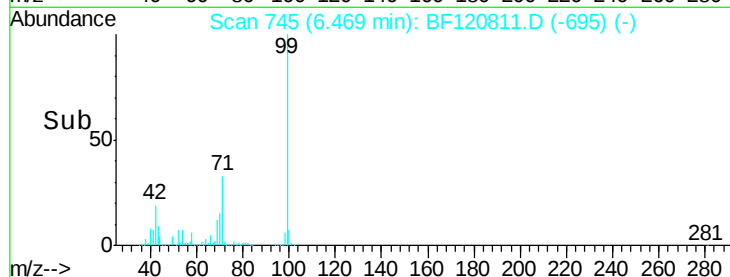
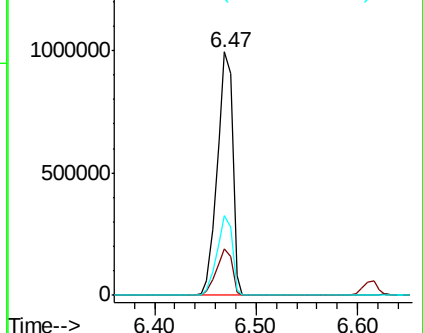
71 32.9 25.9 38.9



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: 7.008 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.01 min

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Acq: 9 Jul 2020 11:32

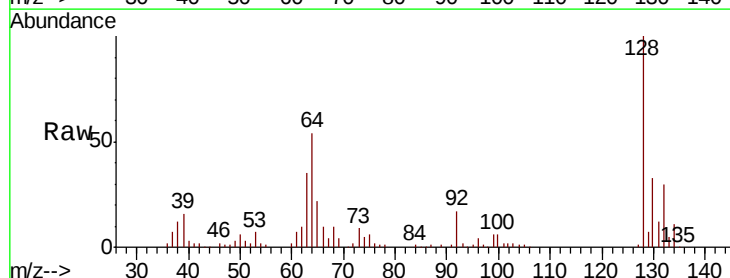
Tgt Ion: 128 Resp: 65941

Ion Ratio Lower Upper

128 100

130 33.4 12.1 52.1

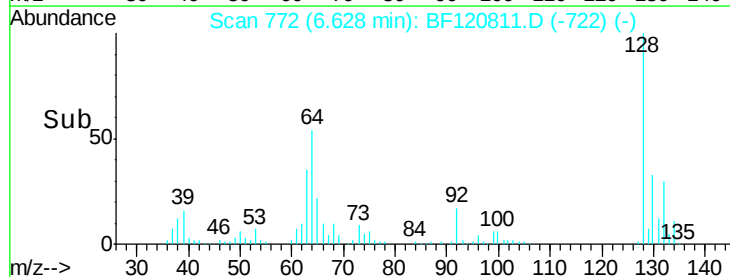
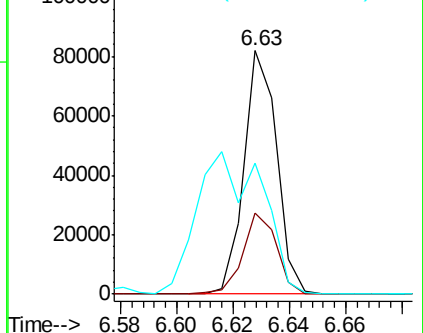
64 53.6 26.3 66.3

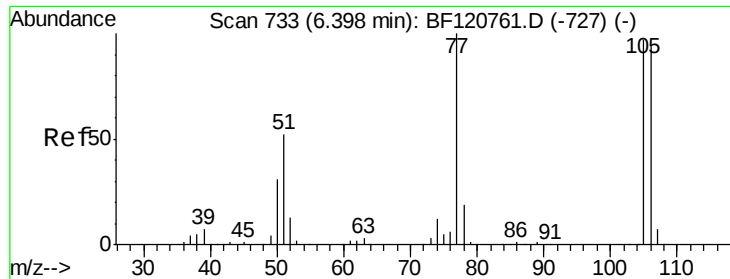


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1

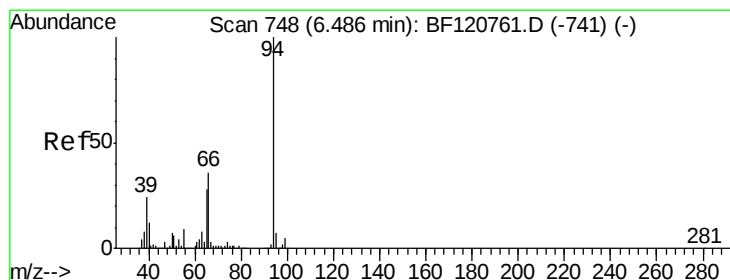
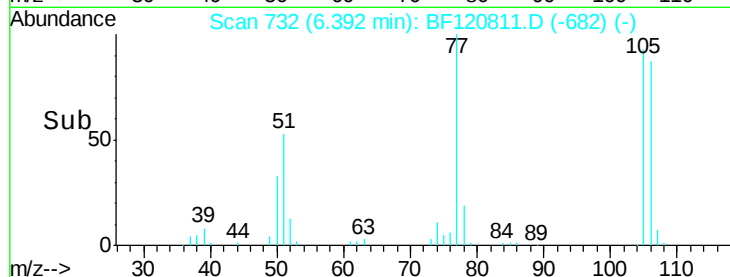
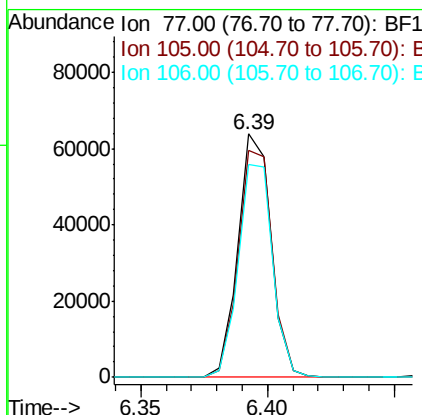
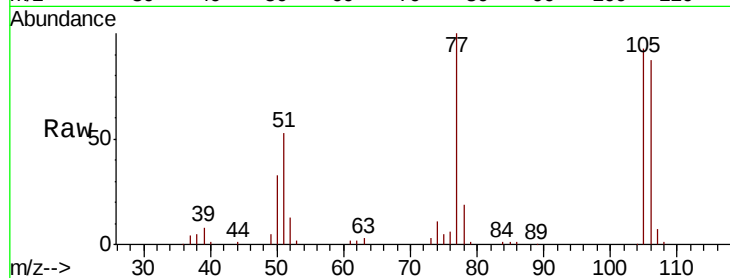




#9
Benzaldehyde
Concen: 8.576 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.01 min
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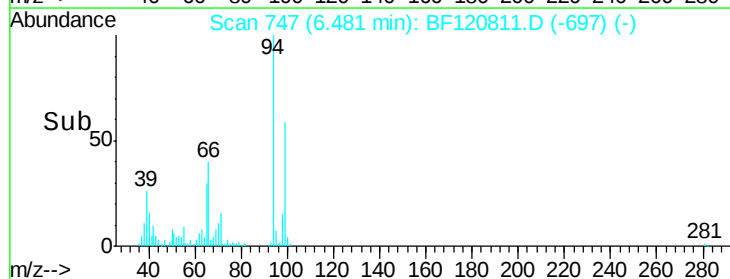
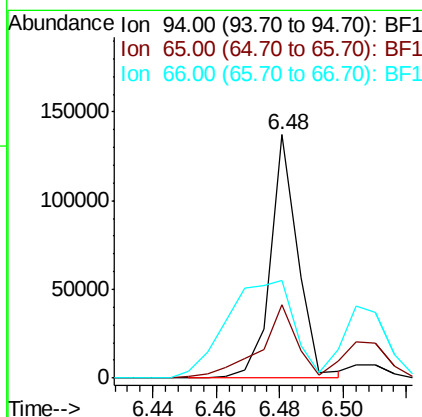
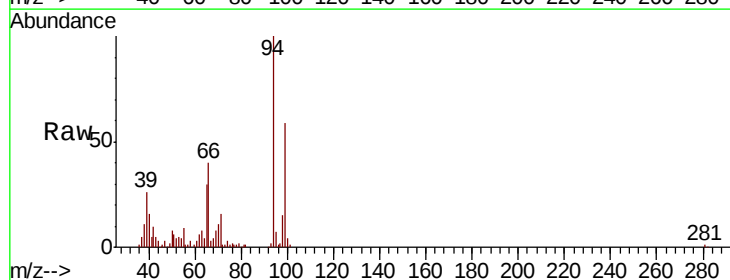
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

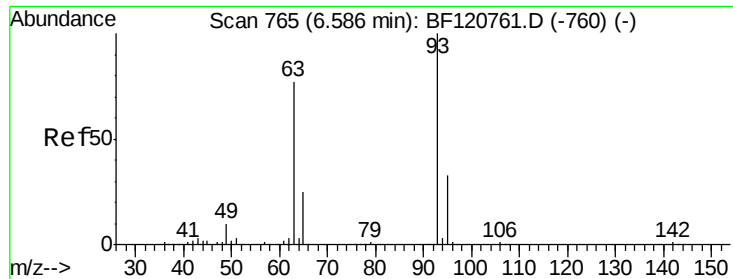
Tot Ion: 77 Resp: 57571
Ion Ratio Lower Upper
77 100
105 93.0 76.8 116.8
106 87.2 73.8 113.8



#10
Phenol
Concen: 7.087 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion: 94 Resp: 82284
Ion Ratio Lower Upper
94 100
65 30.0 8.4 48.4
66 40.0 16.5 56.5

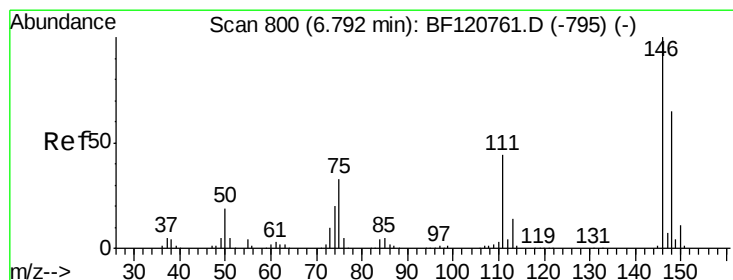
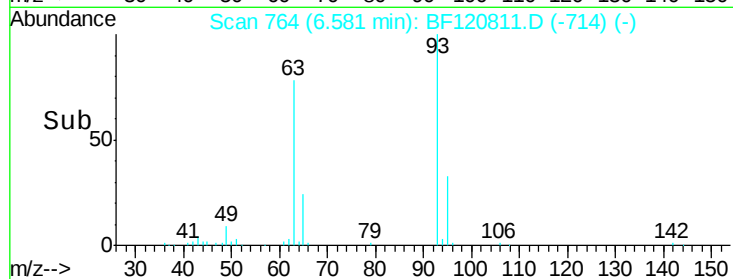
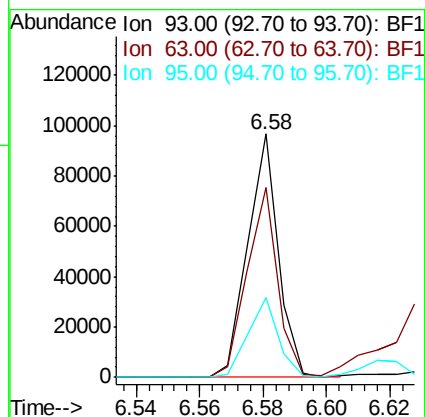
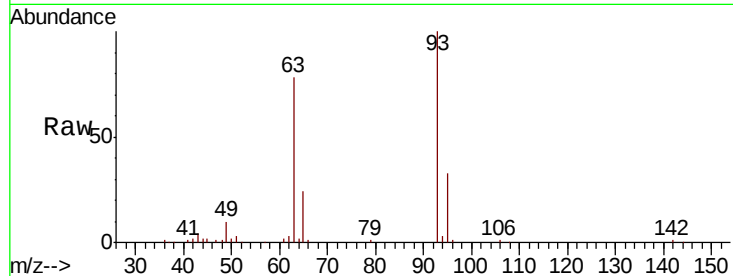




#11
bis(2-Chloroethyl)ether
Concen: 6.871 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

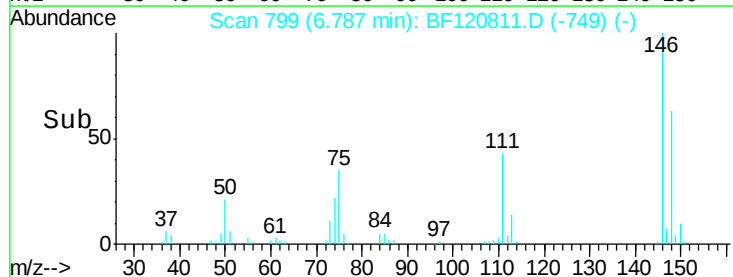
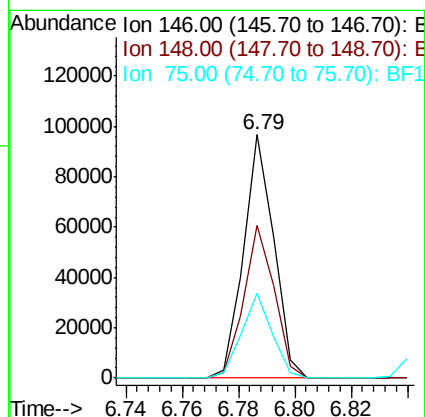
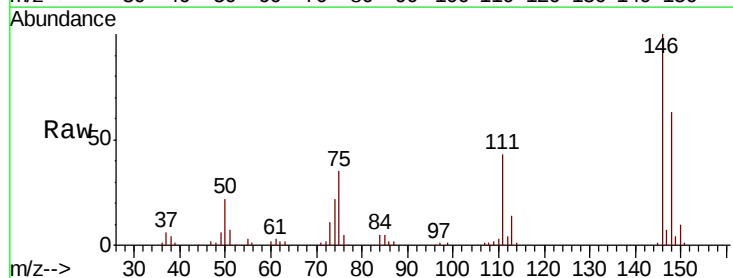
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

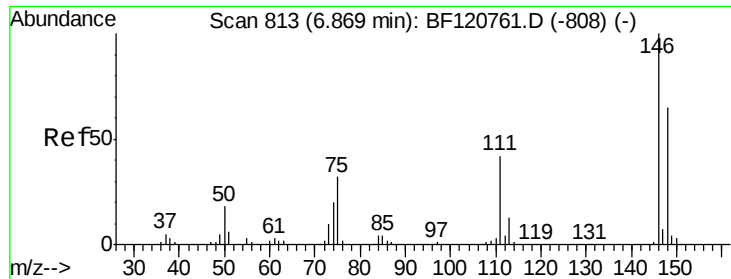
Tot Ion: 93 Resp: 64920
Ion Ratio Lower Upper
93 100
63 78.1 56.9 96.9
95 32.8 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 6.943 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion: 146 Resp: 71910
Ion Ratio Lower Upper
146 100
148 62.6 52.1 78.1
75 35.1 26.0 39.0

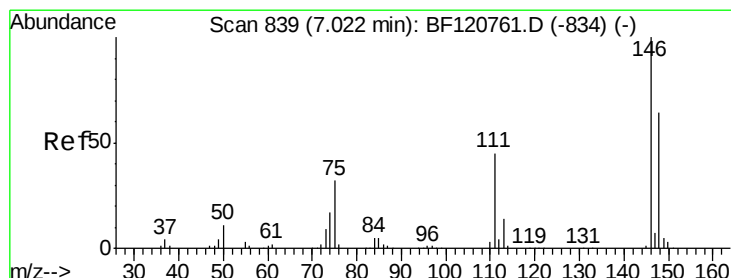
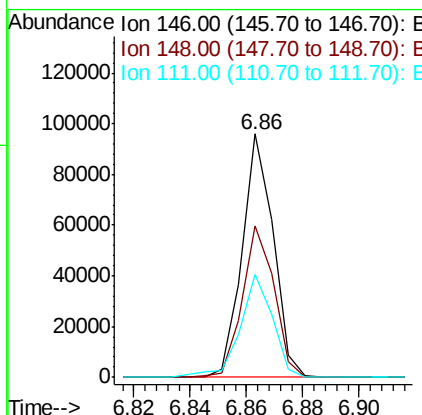
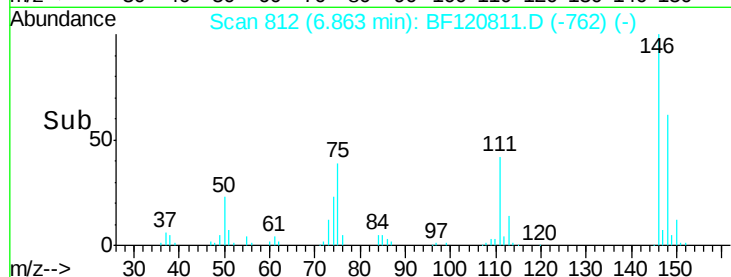
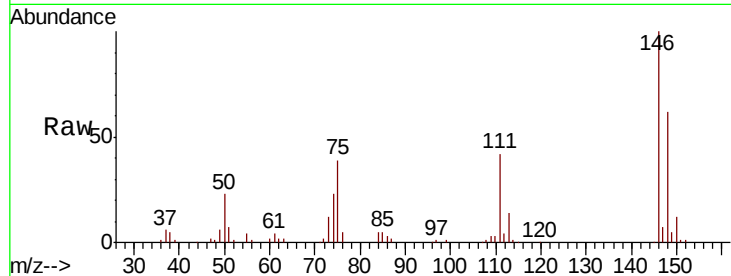




#13
 1,4-Dichlorobenzene
 Concen: 7.044 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

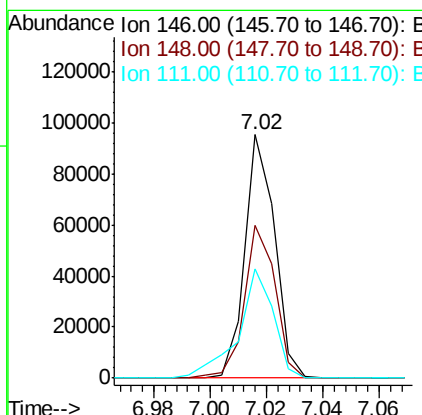
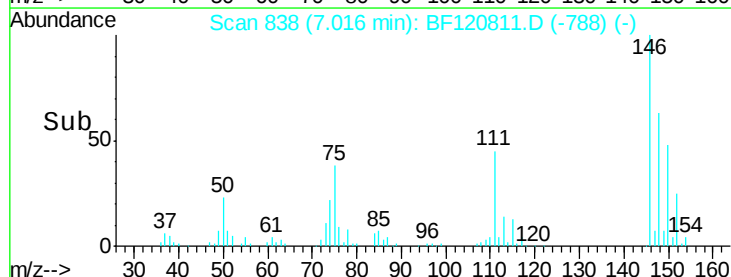
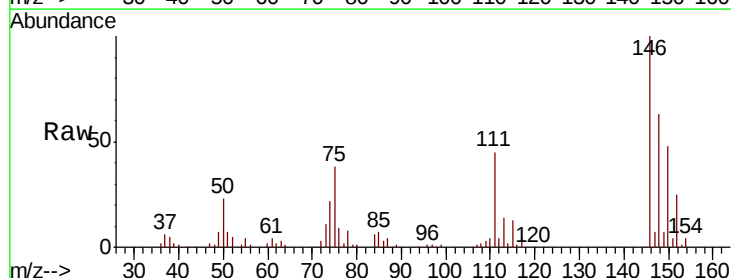
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

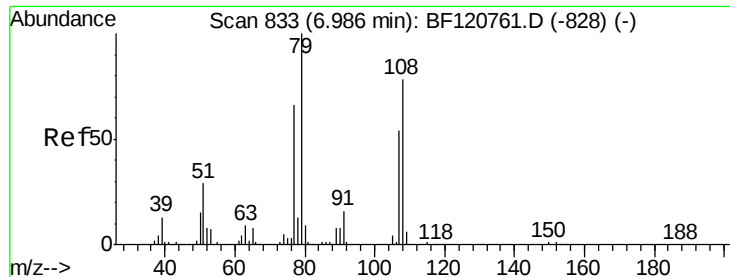
Tot Ion:146 Resp: 73070
 Ion Ratio Lower Upper
 146 100
 148 62.2 51.8 77.6
 111 42.2 33.7 50.5



#14
 1,2-Dichlorobenzene
 Concen: 7.076 ng
 RT: 7.02 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion:146 Resp: 69841
 Ion Ratio Lower Upper
 146 100
 148 62.6 51.0 76.4
 111 44.7 35.7 53.5





#15

Benzyl Alcohol

Concen: 7.628 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

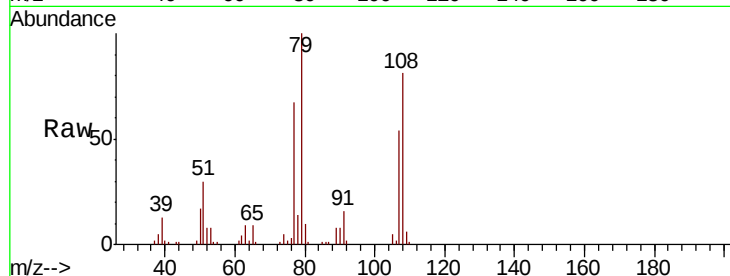
Tot Ion: 79 Resp: 64687

Ion Ratio Lower Upper

79 100

108 80.5 62.4 93.6

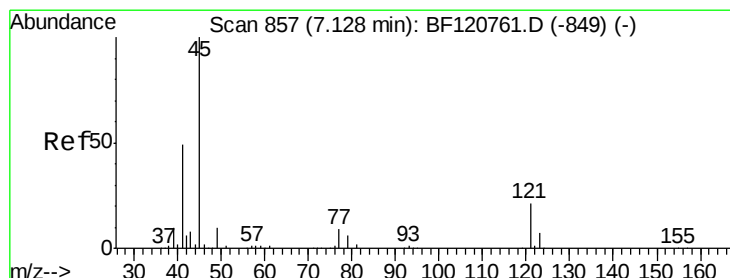
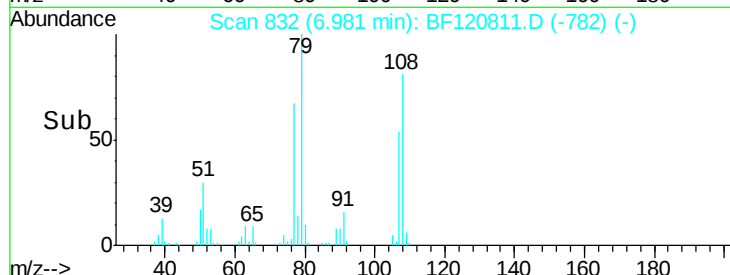
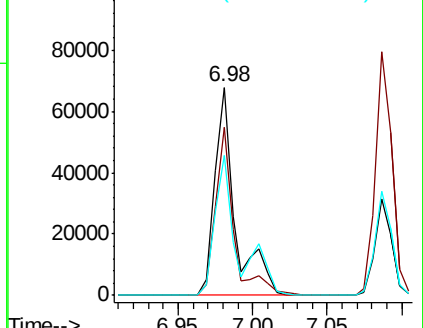
77 67.4 52.7 79.1



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 6.602 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

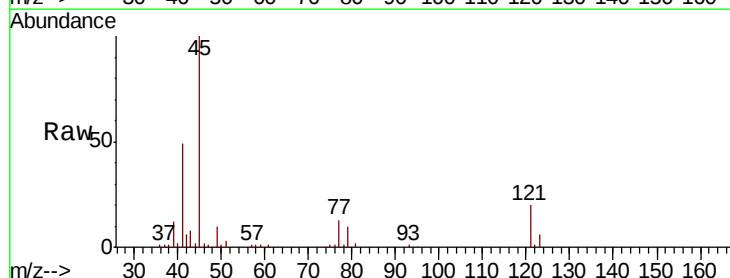
Tgt Ion: 45 Resp: 97296

Ion Ratio Lower Upper

45 100

77 12.9 0.0 33.7

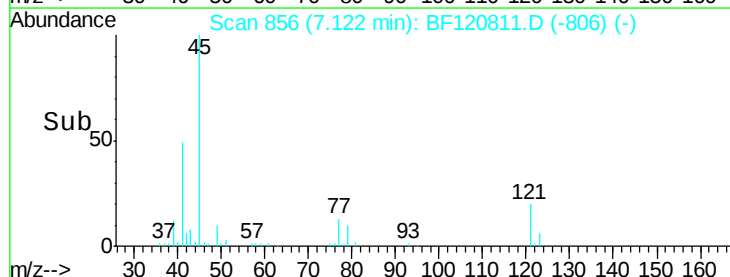
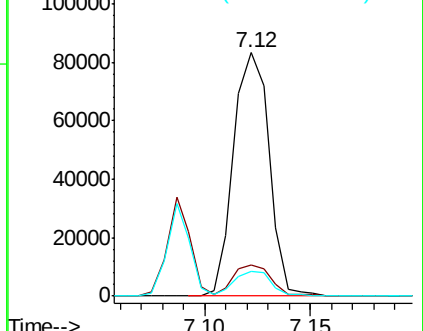
79 10.4 0.0 30.5

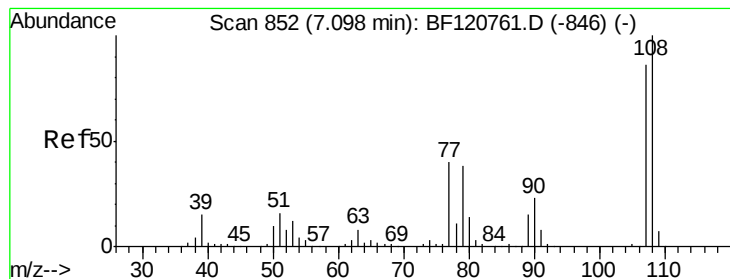


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

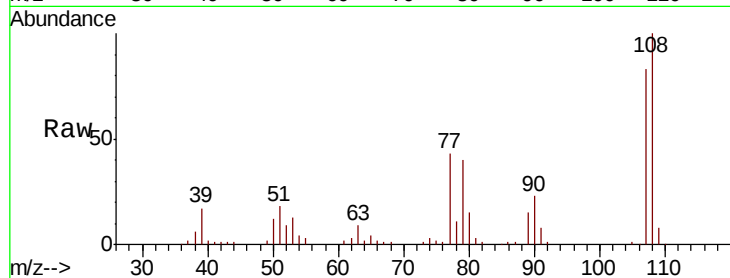




#17
2-Methylphenol
Concen: 5.984 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	107	Resp:	50377
Ion	Ratio	Lower	Upper
107	100		
108	121.0	93.1	139.7
77	51.6	37.3	55.9
79	48.1	35.3	52.9



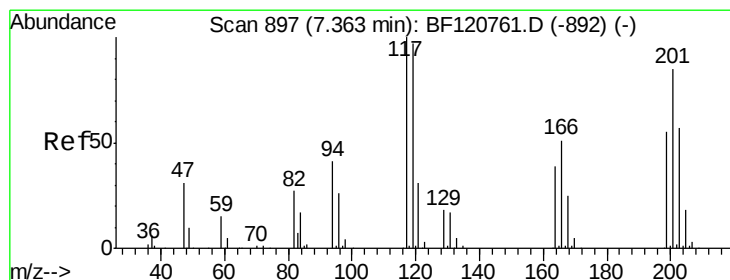
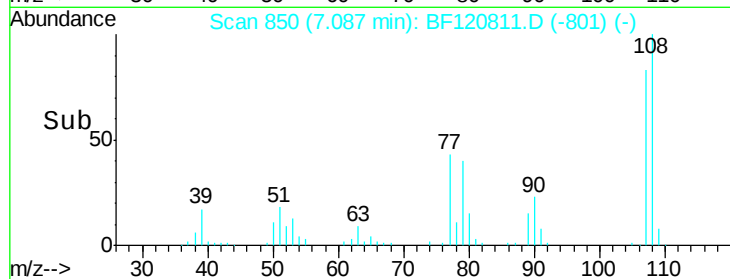
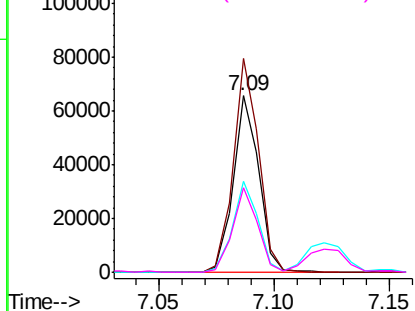
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

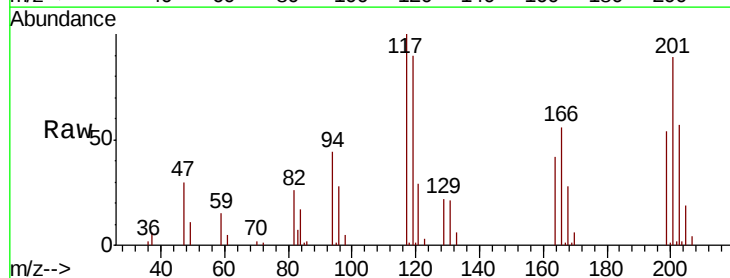
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 6.806 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion:	117	Resp:	26537
Ion	Ratio	Lower	Upper
117	100		
119	90.2	77.9	116.9
201	89.1	68.3	102.5

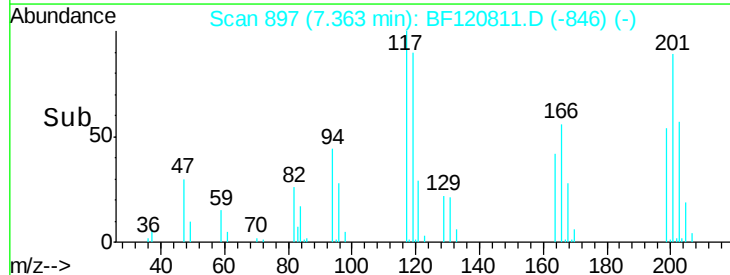
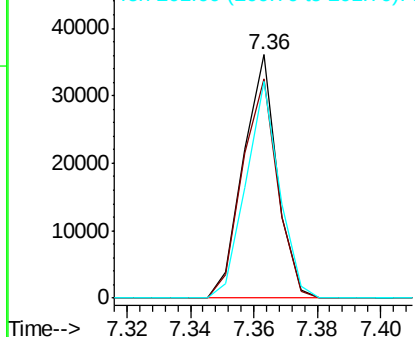


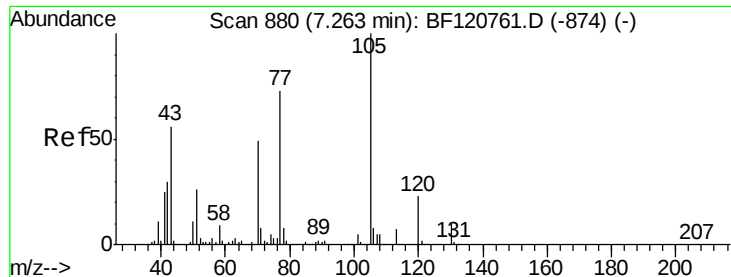
Abundance

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

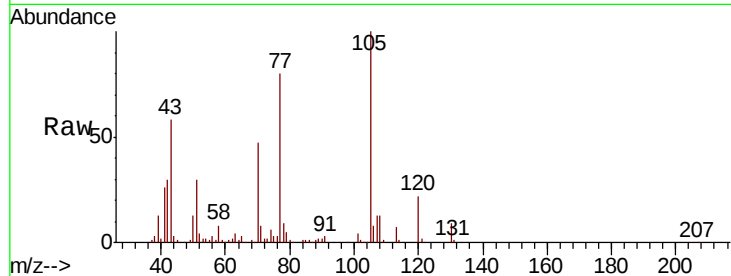




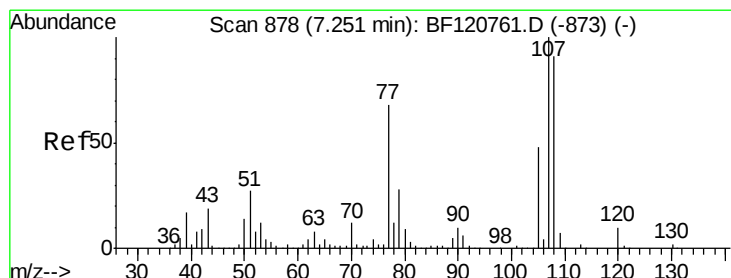
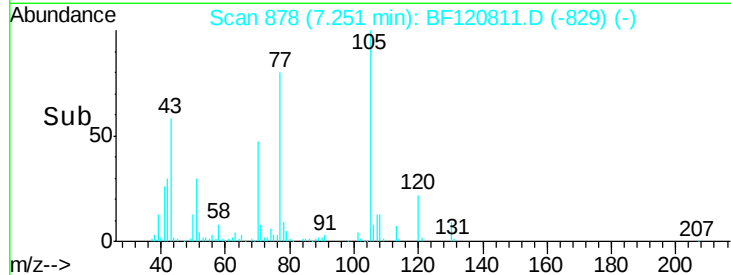
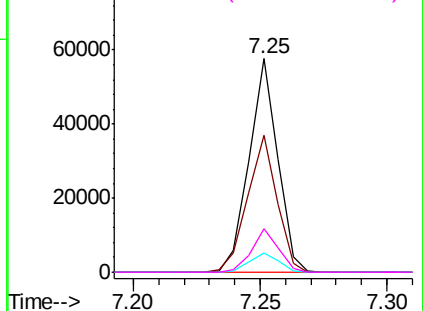
#19
n-Nitroso-di-n-propylamine
Concen: 6.680 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	70	Resp:	45396
Ion	Ratio	Lower	Upper
70	100		
42	64.4	50.3	75.5
101	9.2	7.5	11.3
130	20.3	16.1	24.1

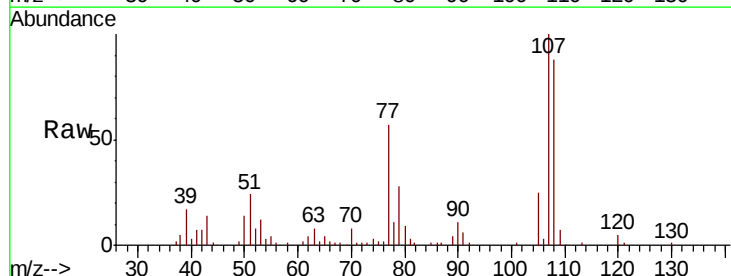


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

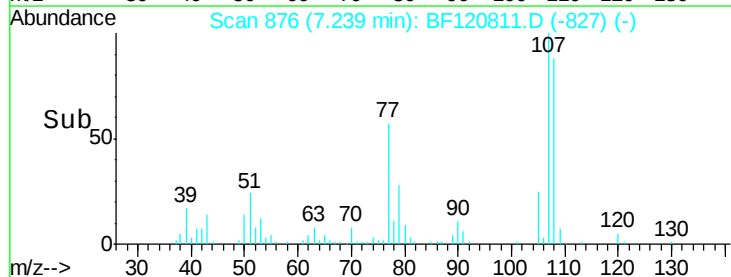
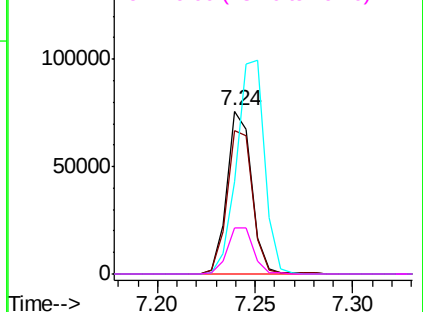


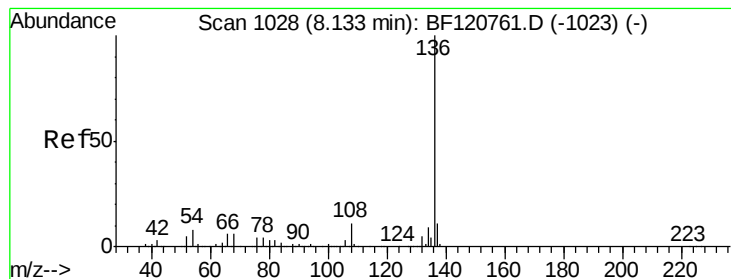
#20
3+4-Methylphenols
Concen: 6.413 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion:	107	Resp:	66495
Ion	Ratio	Lower	Upper
107	100		
108	87.7	70.9	110.9
77	56.8	48.3	88.3
79	28.3	7.8	47.8



Abundance Ion 107.00 (106.70 to 107.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:136 Resp: 507072

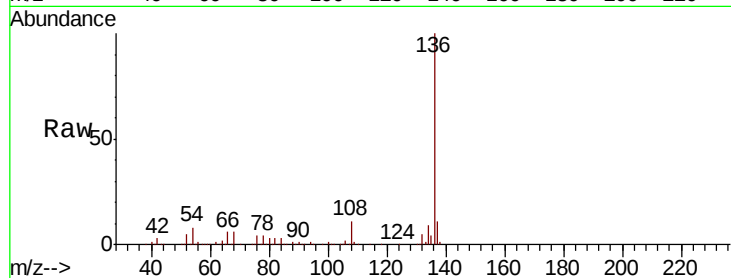
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.6

54 8.4 6.2 9.4

68 5.8 4.7 7.1

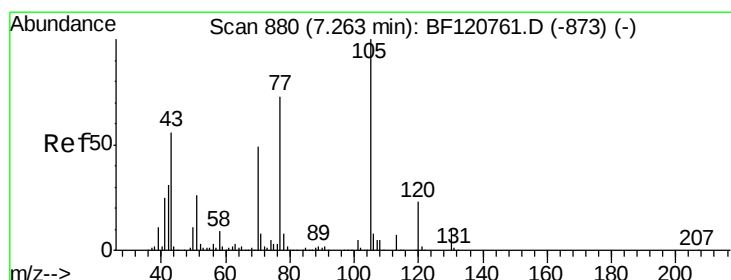
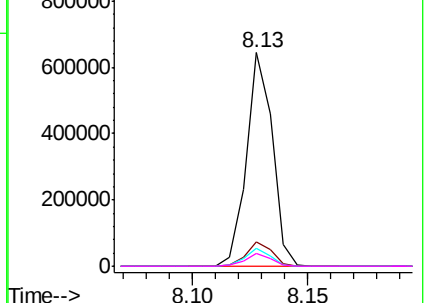
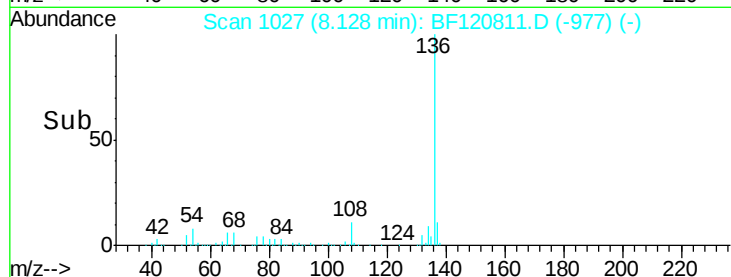


Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.700 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Tgt Ion:105 Resp: 97049

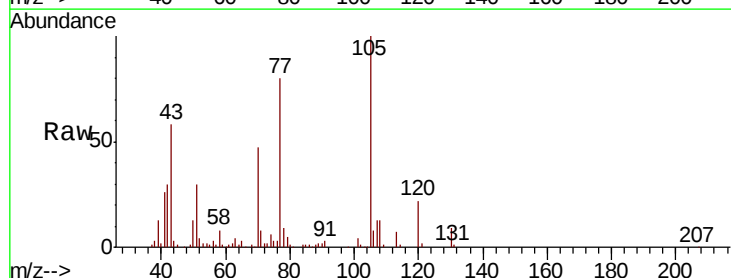
Ion Ratio Lower Upper

105 100

71 7.7 6.5 9.7

51 29.7 21.0 31.4

120 21.6 18.6 28.0

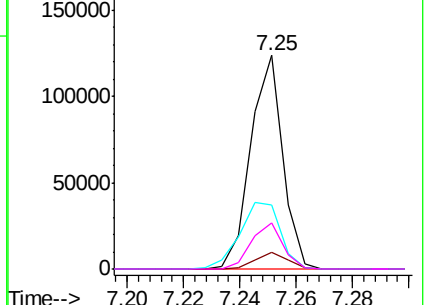
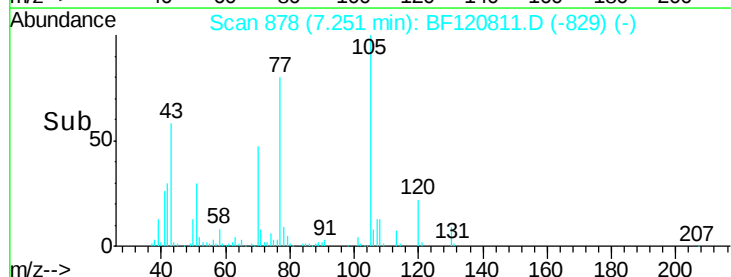


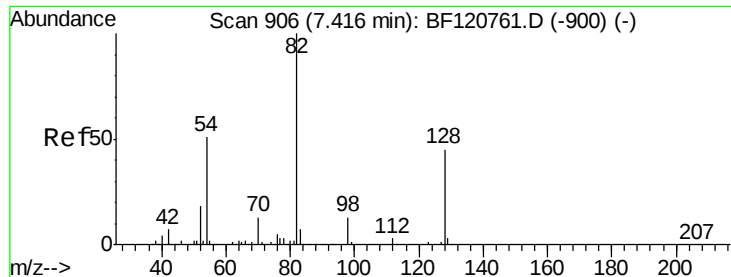
Abundance Ion 105.00 (104.70 to 105.70): E

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

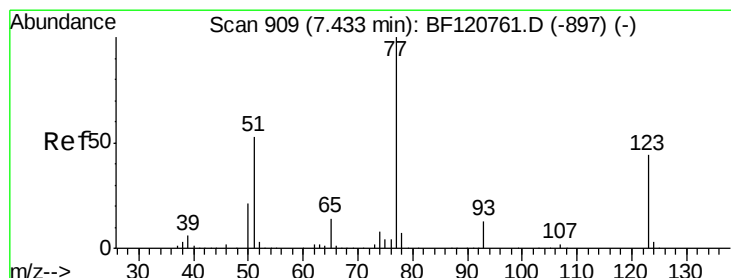
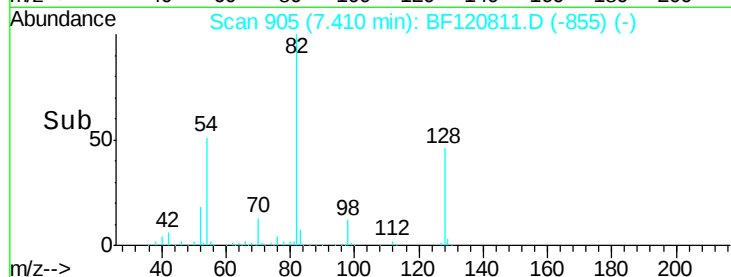
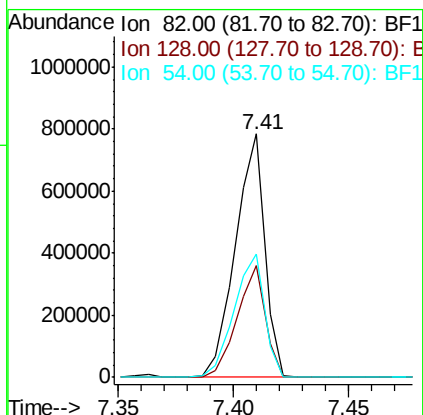
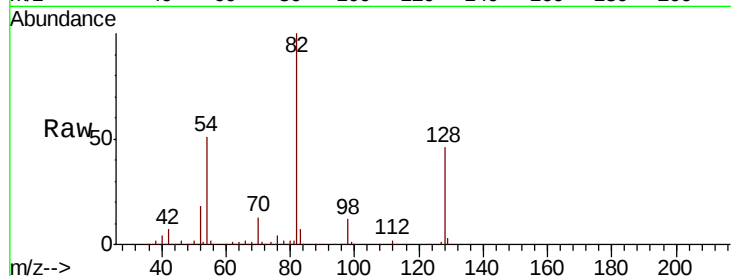




#23
Nitrobenzene-d5
Concen: 79.651 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

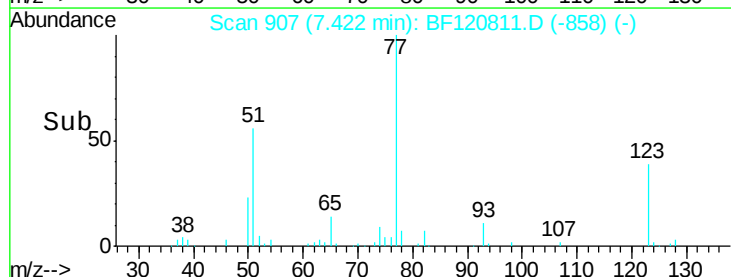
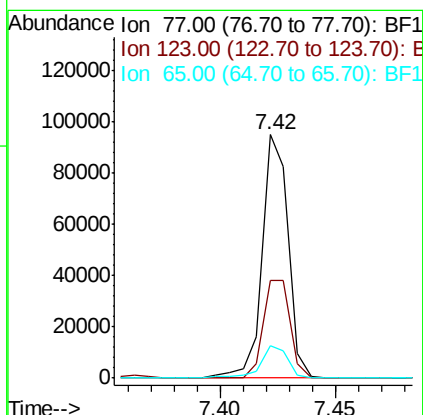
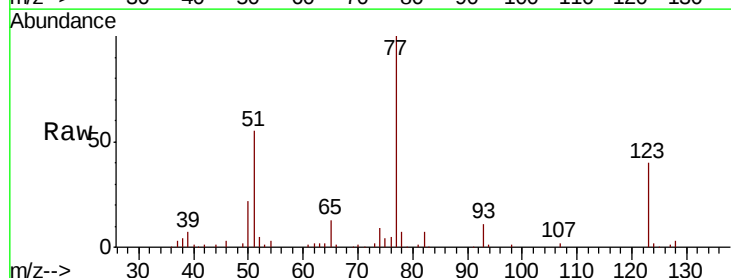
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

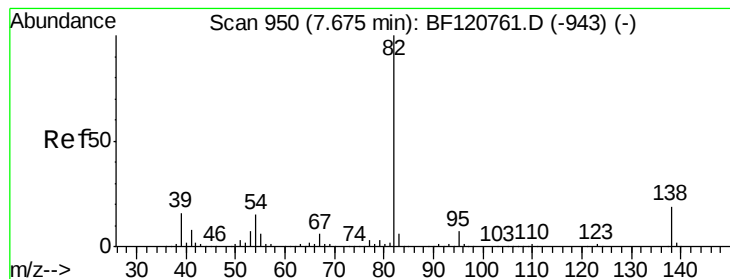
Tot Ion	82	Resp	697105
Ion Ratio	Lower	Upper	
82	100		
128	45.8	35.7	53.5
54	50.8	40.9	61.3



#24
Nitrobenzene
Concen: 7.568 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	77	Resp	74370
Ion Ratio	Lower	Upper	
77	100		
123	39.9	36.1	54.1
65	13.5	11.0	16.4





#25

Isophorone

Concen: 6.512 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

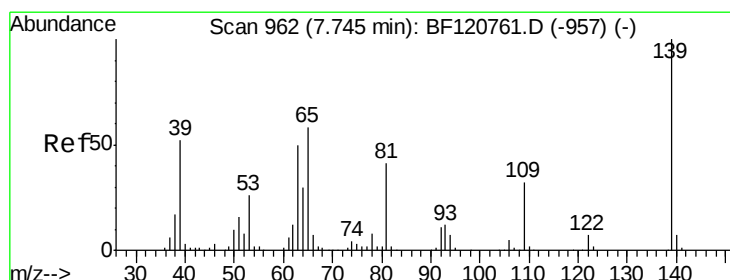
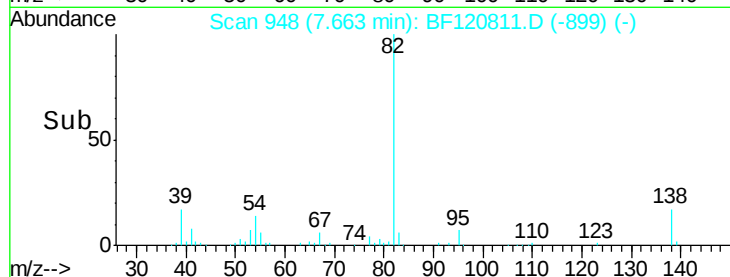
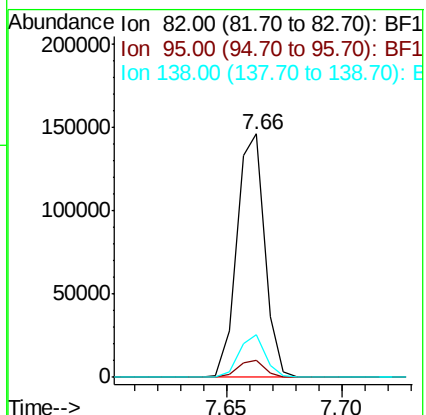
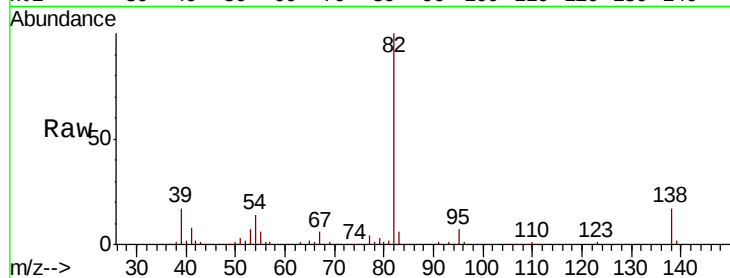
Tot Ion: 82 Resp: 122902

Ion Ratio Lower Upper

82 100

95 6.9 5.4 8.2

138 17.4 15.0 22.4



#26

2-Nitrophenol

Concen: 6.077 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

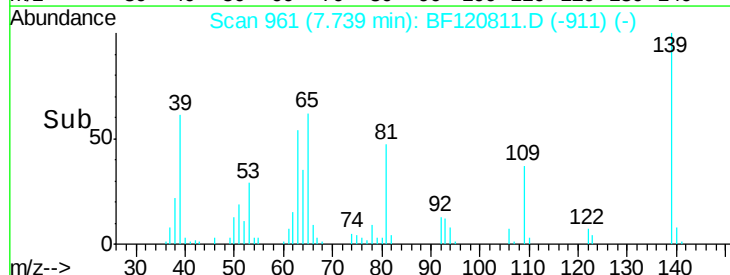
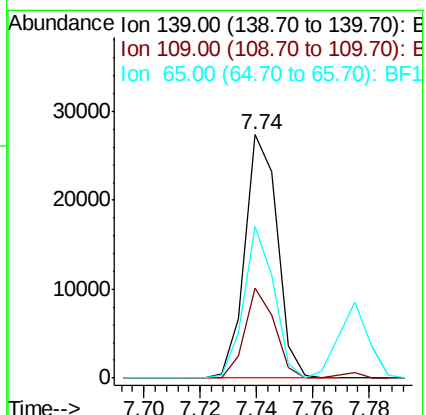
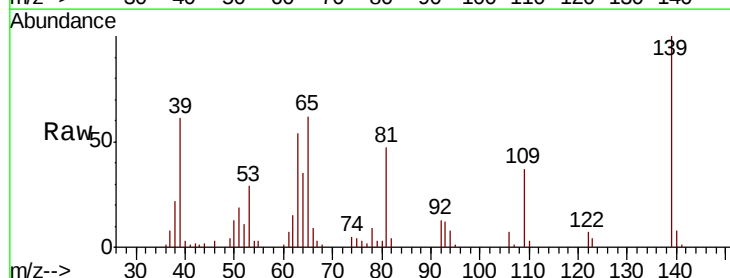
Tgt Ion: 139 Resp: 21830

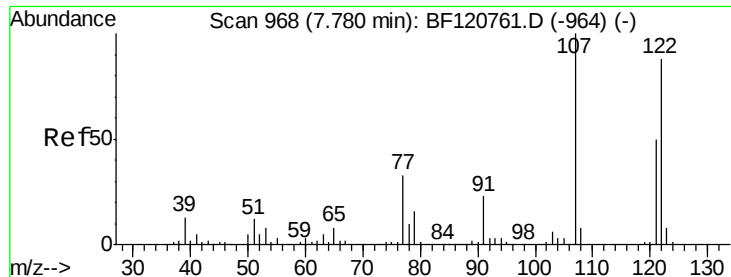
Ion Ratio Lower Upper

139 100

109 36.7 25.3 37.9

65 62.2 46.2 69.2

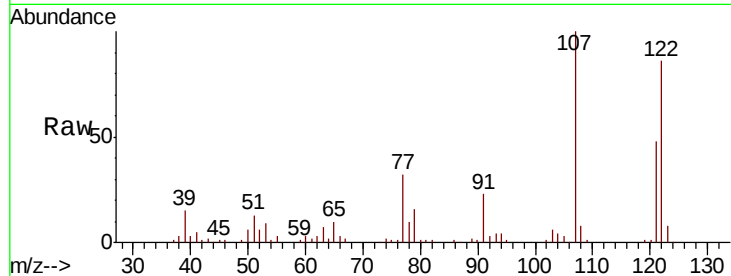




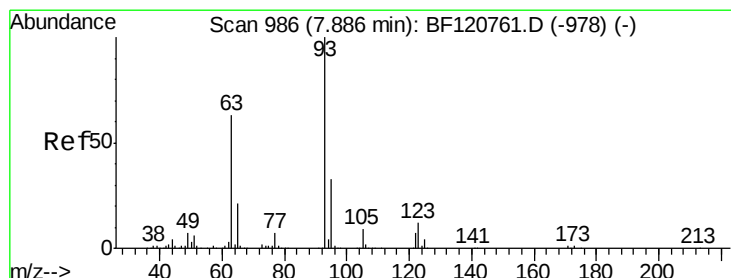
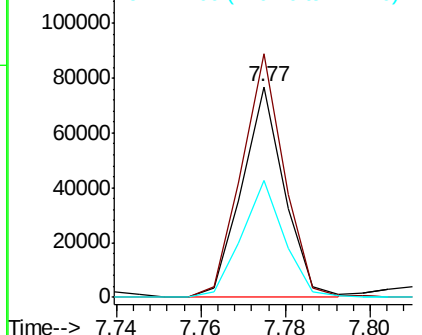
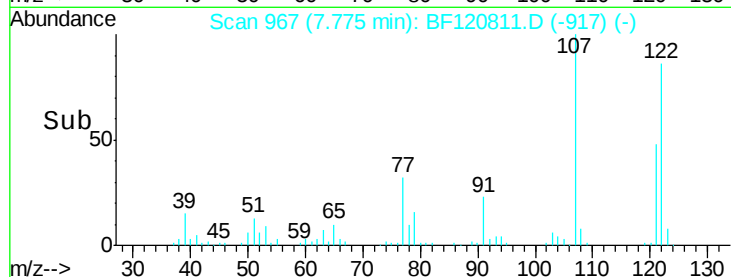
#27
 2,4-Dimethylphenol
 Concen: 7.144 ng
 RT: 7.77 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion:122 Resp: 53830
 Ion Ratio Lower Upper
 122 100
 107 115.8 90.7 136.1
 121 55.5 45.4 68.0

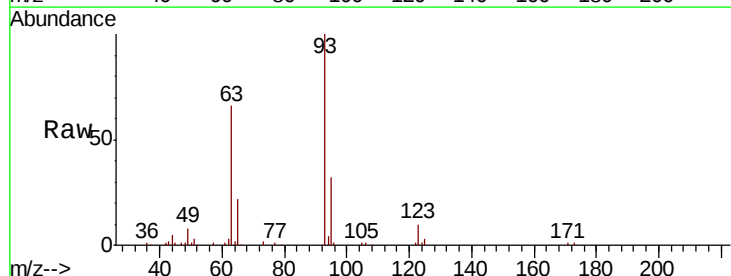


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

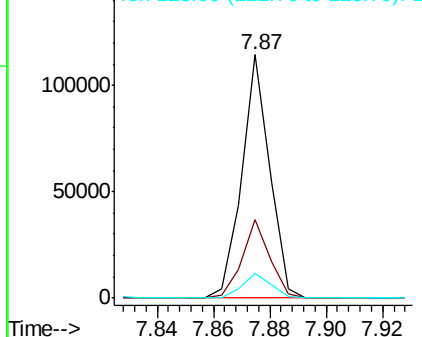
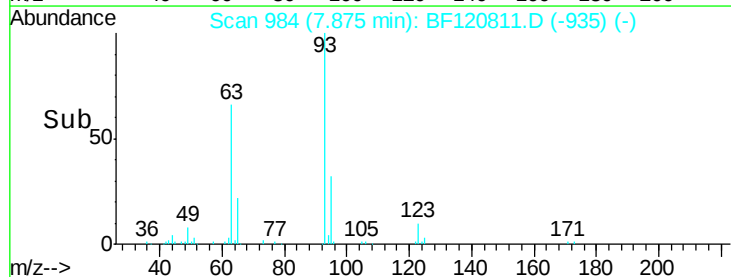


#28
 bis(2-Chloroethoxy)methane
 Concen: 7.020 ng
 RT: 7.87 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion: 93 Resp: 78415
 Ion Ratio Lower Upper
 93 100
 95 32.0 26.4 39.6
 123 10.0 10.2 15.2#



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

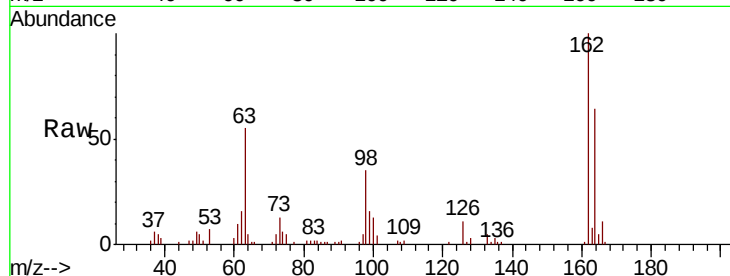




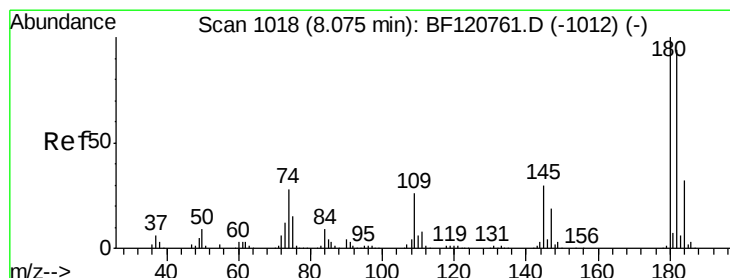
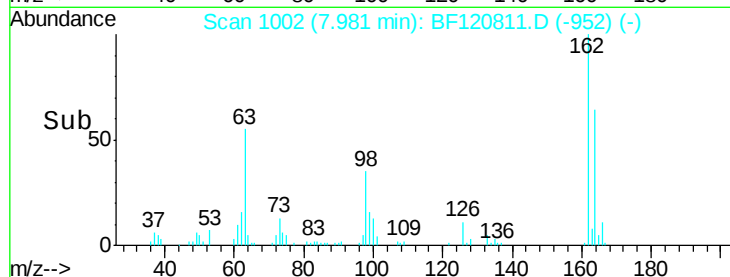
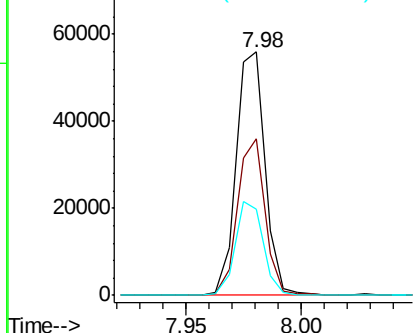
#29
2,4-Dichlorophenol
Concen: 6.505 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:162 Resp: 48932
Ion Ratio Lower Upper
162 100
164 64.2 45.2 85.2
98 35.3 17.0 57.0

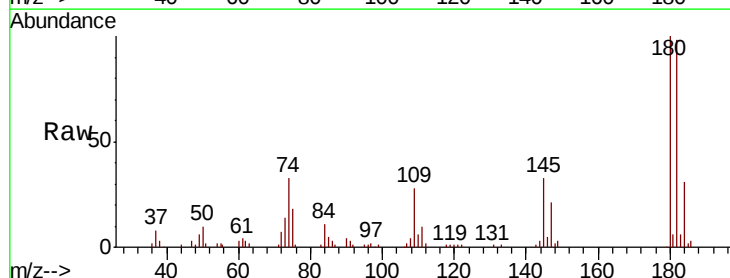


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

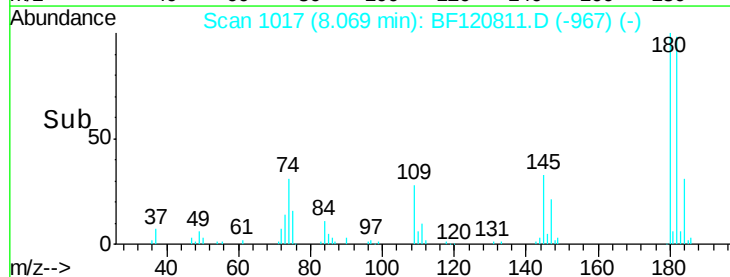
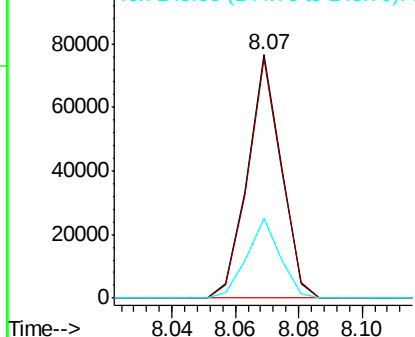


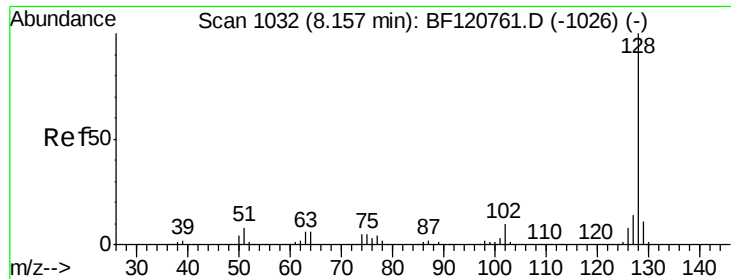
#30
1,2,4-Trichlorobenzene
Concen: 6.677 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion:180 Resp: 56407
Ion Ratio Lower Upper
180 100
182 98.4 75.5 113.3
145 32.8 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

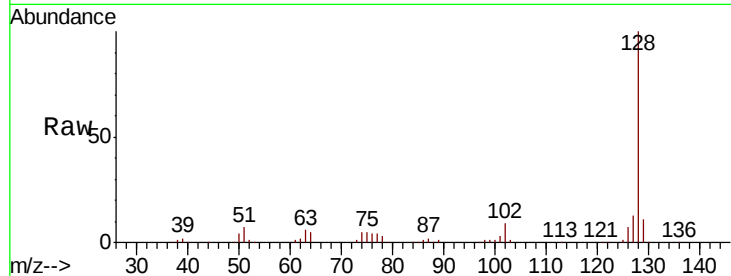




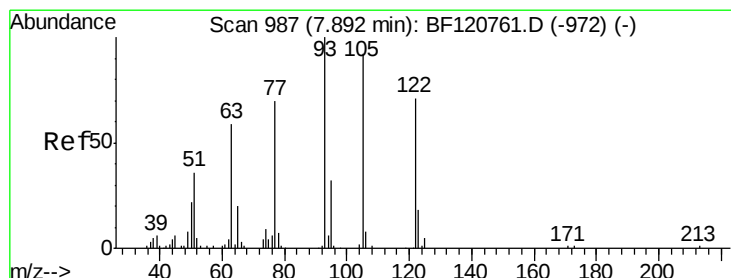
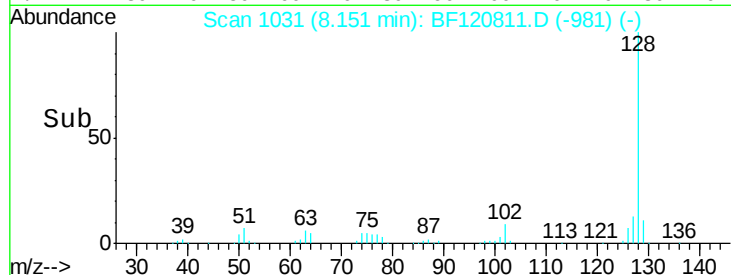
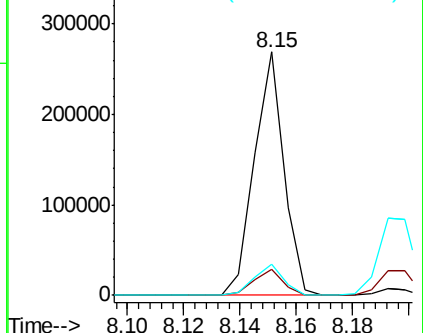
#31
Naphthalene
Concen: 7.240 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:128 Resp: 196196
Ion Ratio Lower Upper
128 100
129 10.7 9.2 13.8
127 12.8 11.1 16.7

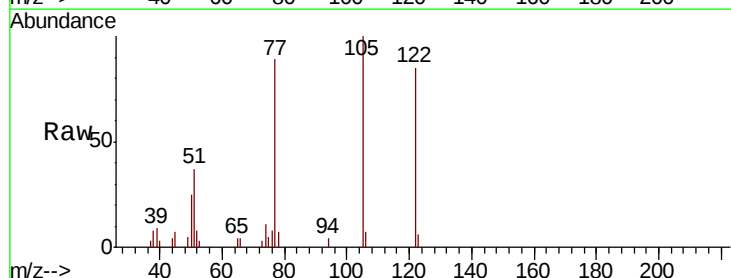


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

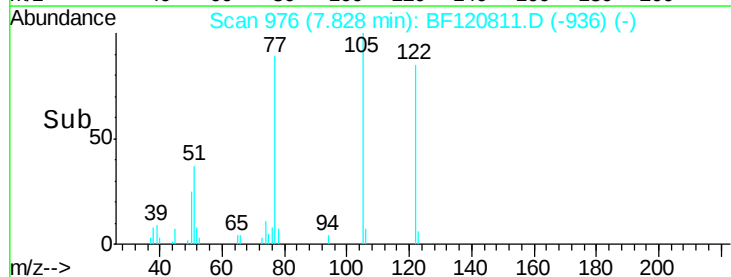
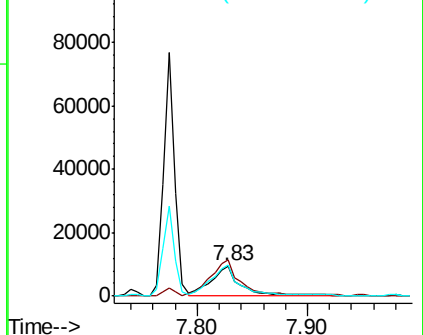


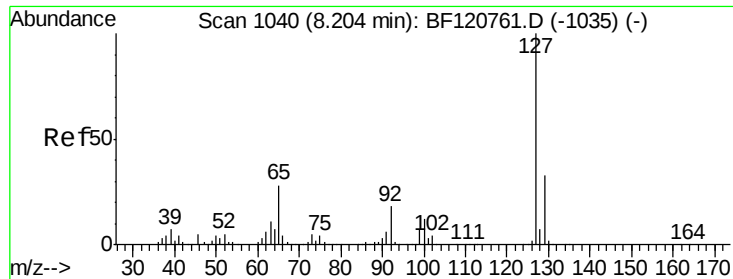
#32
Benzoic acid
Concen: 4.385 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.06 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion:122 Resp: 17881
Ion Ratio Lower Upper
122 100
105 117.1 105.8 145.8
77 103.8 77.3 117.3



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

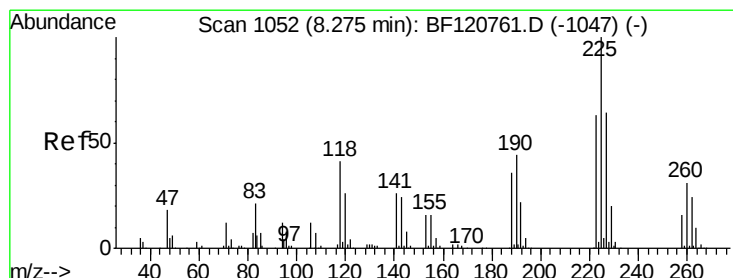
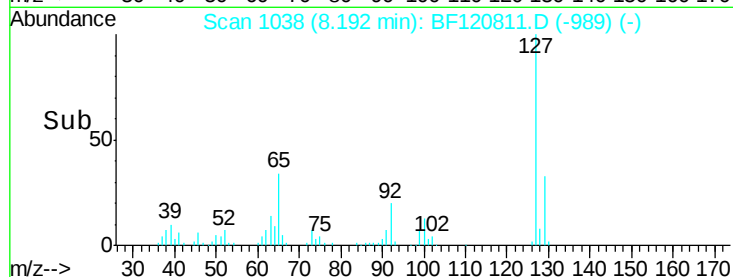
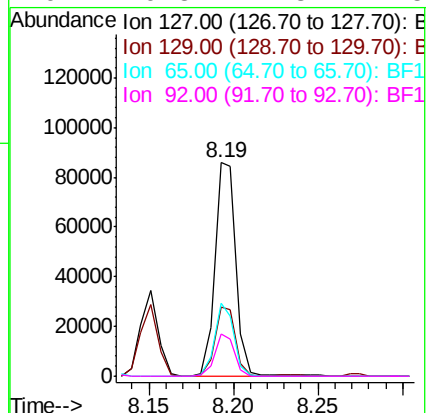
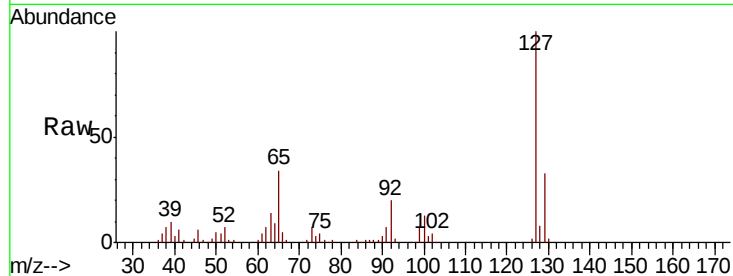




#33
4-Chloroaniline
Concen: 6.536 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

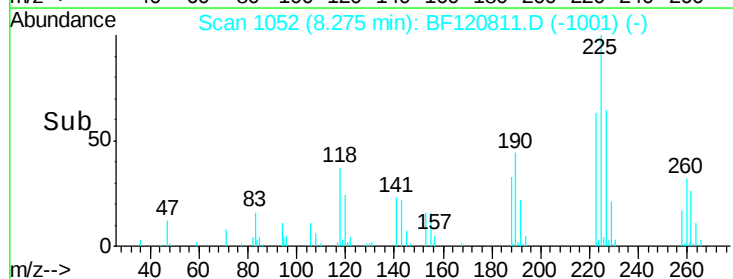
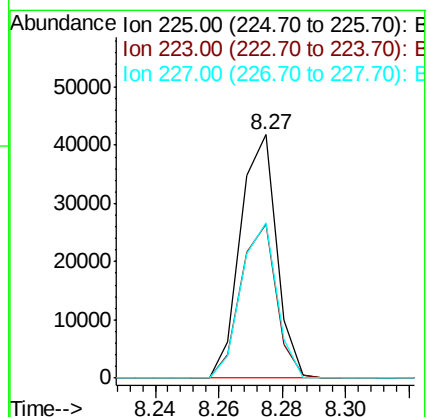
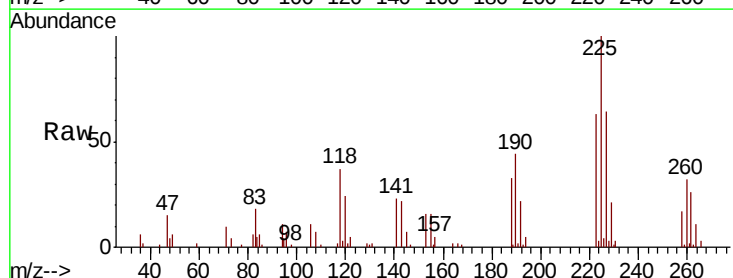
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	127	Resp:	75157
Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.6	39.8
65	33.9	22.7	34.1
92	19.8	14.3	21.5



#34
Hexachlorobutadiene
Concen: 6.497 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion:	225	Resp:	33011
Ion	Ratio	Lower	Upper
225	100		
223	61.0	50.6	76.0
227	61.5	51.4	77.2

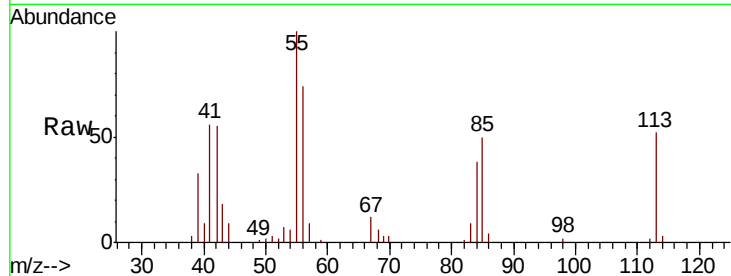




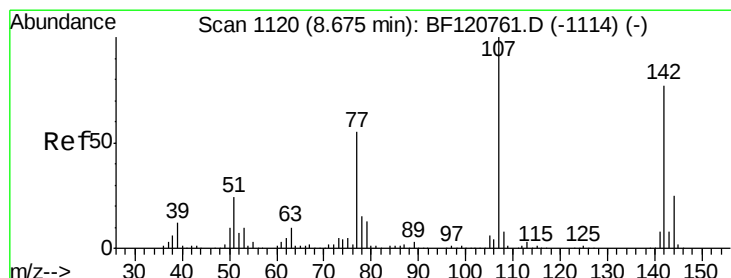
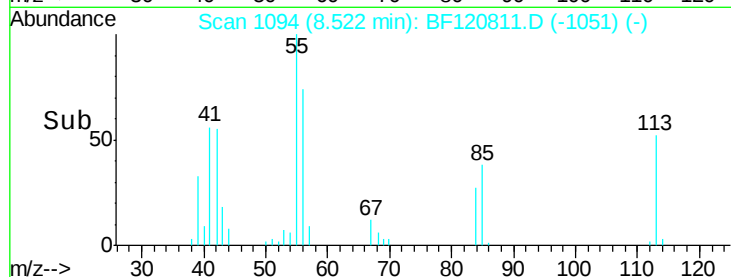
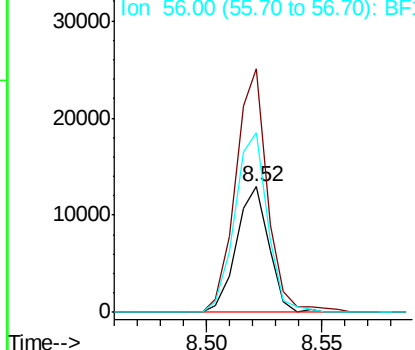
#35
Caprolactam
Concen: 5.777 ng
RT: 8.52 min Scan# 1094
Delta R.T. -0.05 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:113 Resp: 12661
Ion Ratio Lower Upper
113 100
55 194.1 168.3 208.3
56 143.5 118.8 158.8

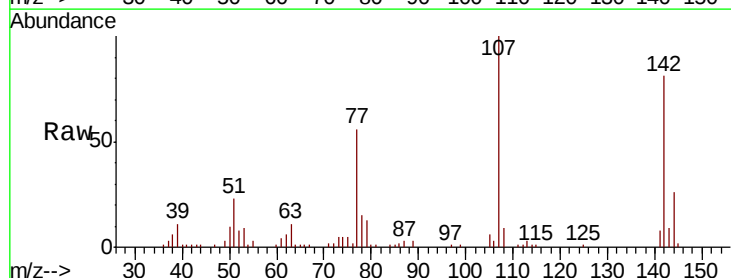


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

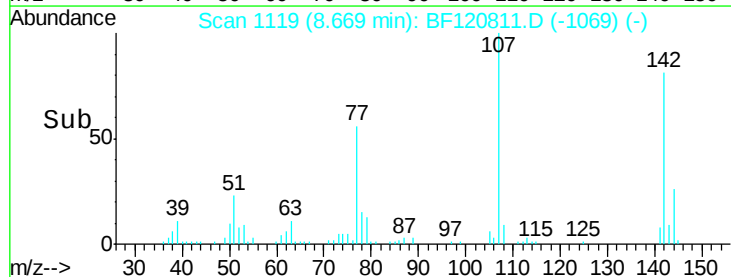
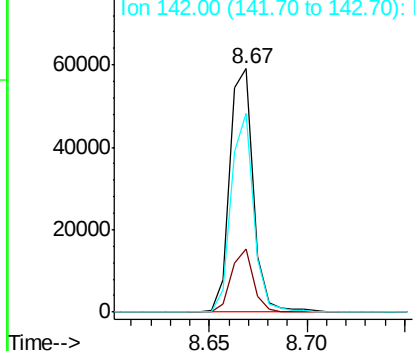


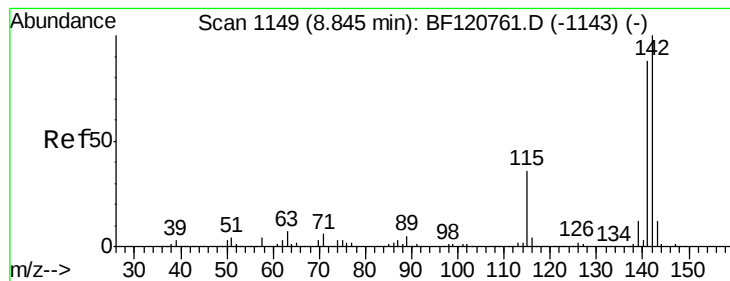
#36
4-Chloro-3-methylphenol
Concen: 6.344 ng
RT: 8.67 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion:107 Resp: 49640
Ion Ratio Lower Upper
107 100
144 25.7 19.7 29.5
142 81.4 61.2 91.8



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: 6.983 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

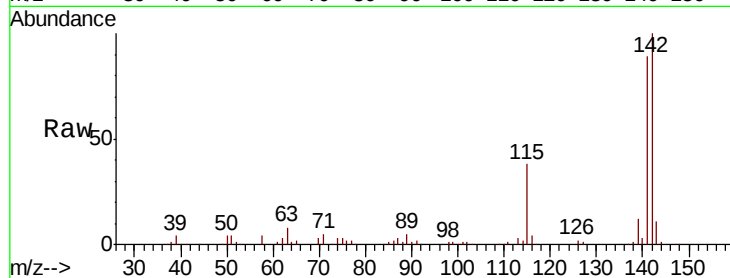
Tot Ion:142 Resp: 123011

Ion Ratio Lower Upper

142 100

141 88.7 70.2 105.4

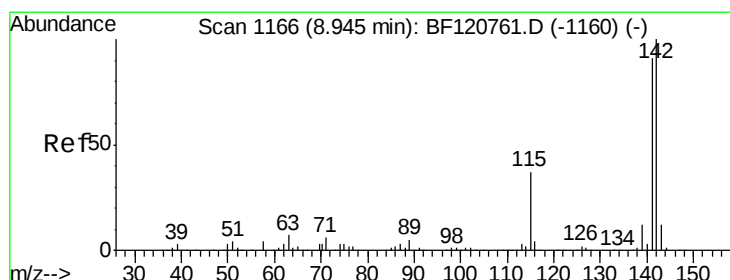
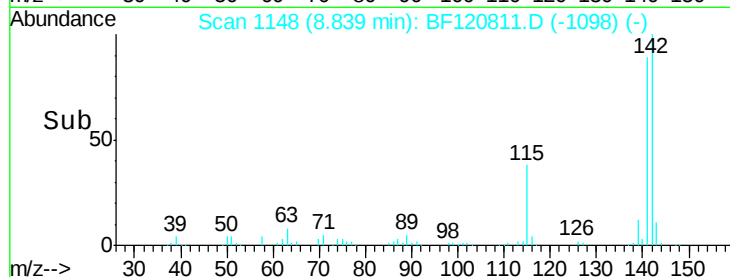
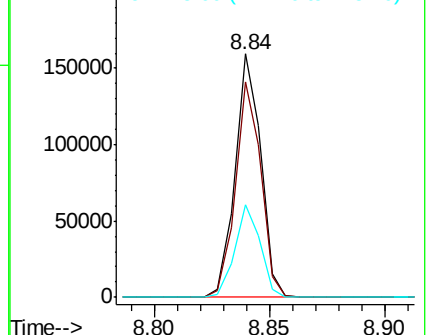
115 38.1 29.0 43.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 7.082 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

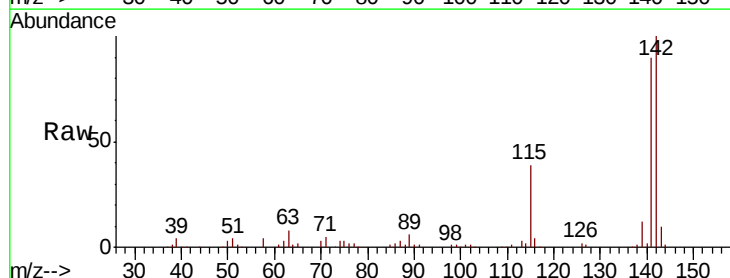
Tgt Ion:142 Resp: 116866

Ion Ratio Lower Upper

142 100

141 90.5 72.5 108.7

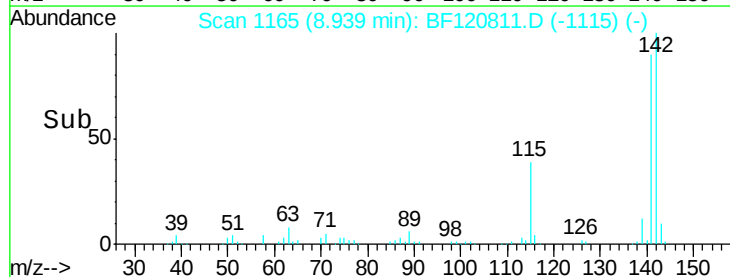
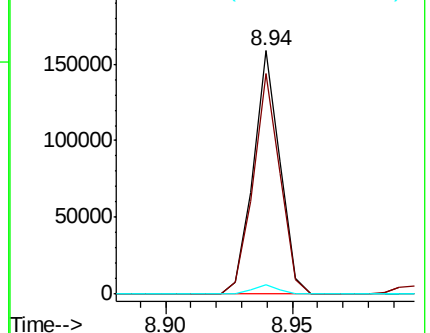
116 4.1 3.1 4.7

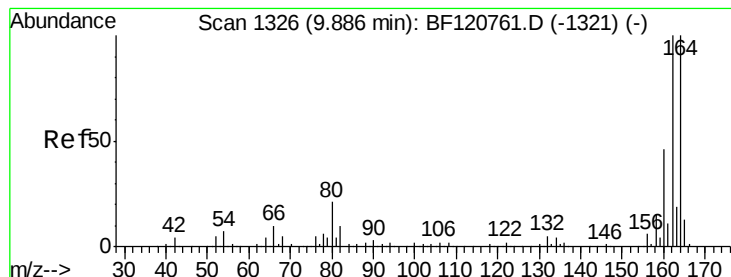


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

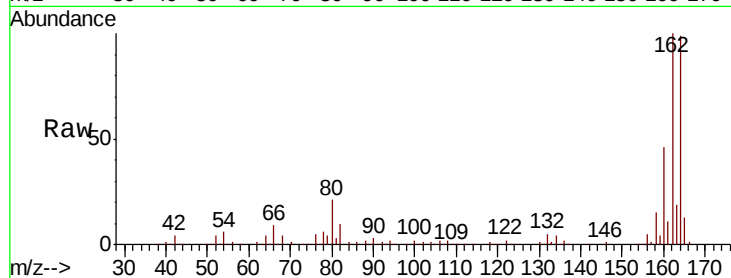
Tot Ion:164 Resp: 247149

Ion Ratio Lower Upper

164 100

162 100.8 80.2 120.2

160 46.6 36.9 55.3

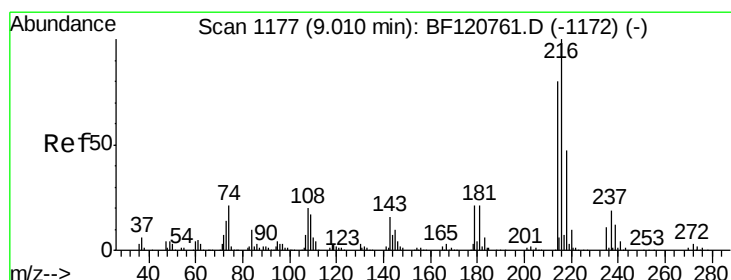
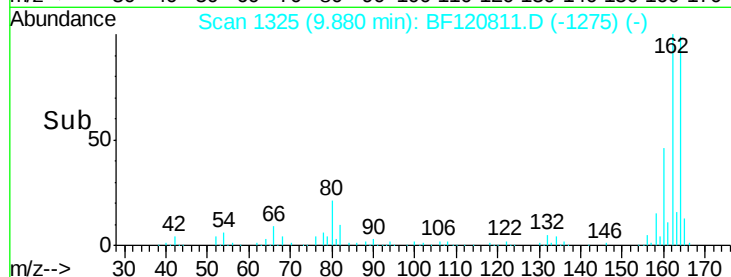
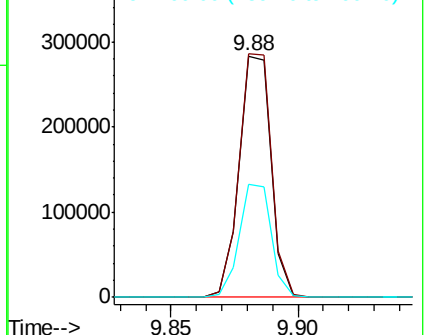


Abundance

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: 7.281 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Tgt Ion:216 Resp: 54382

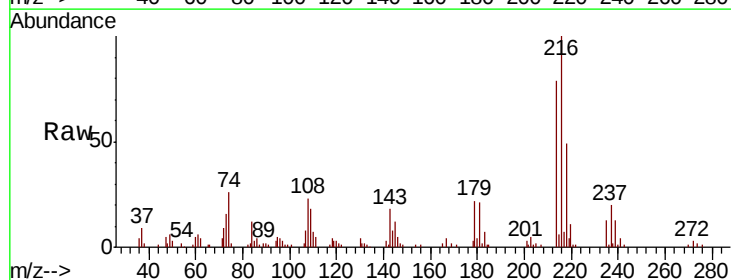
Ion Ratio Lower Upper

216 100

214 78.9 63.7 95.5

179 21.9 16.7 25.1

108 23.8 17.0 25.4



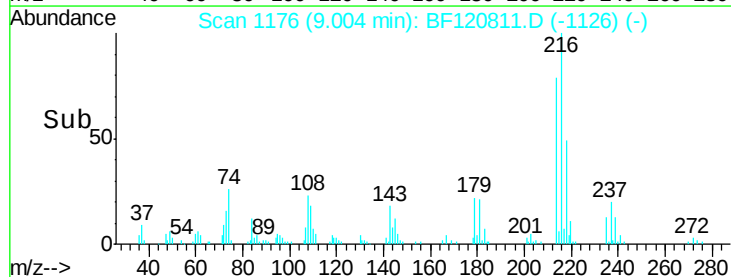
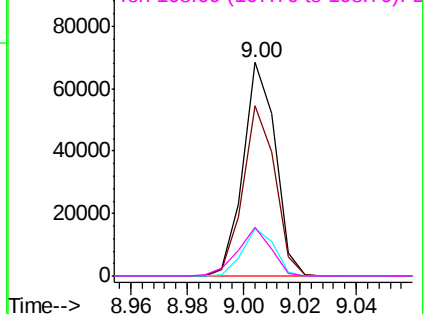
Abundance

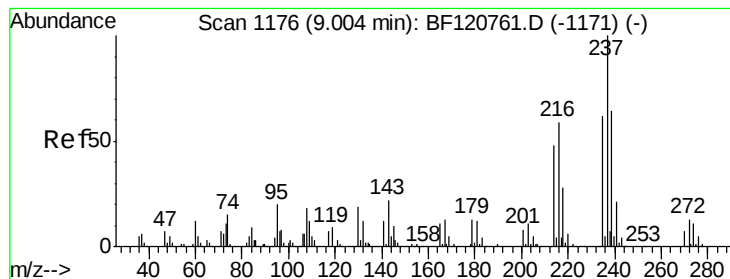
Ion 216.00 (215.70 to 216.70): E

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: 5.931 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

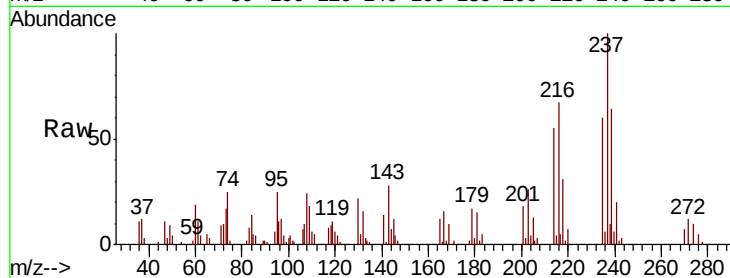
Tot Ion:237 Resp: 26175

Ion Ratio Lower Upper

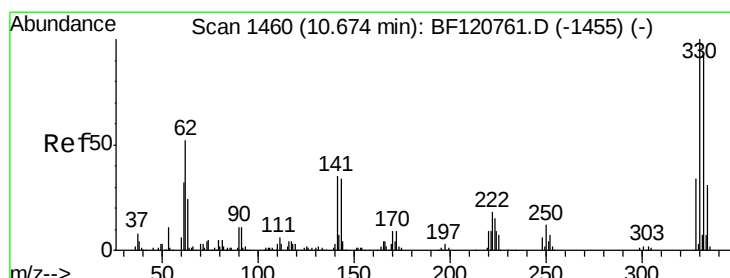
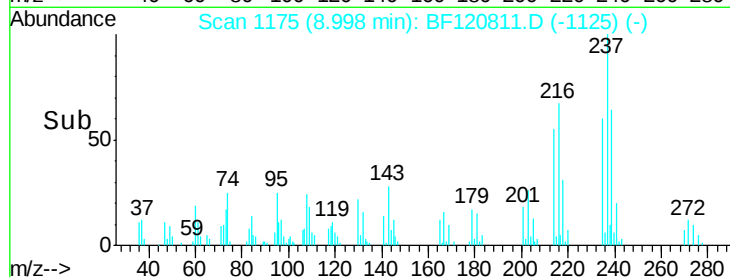
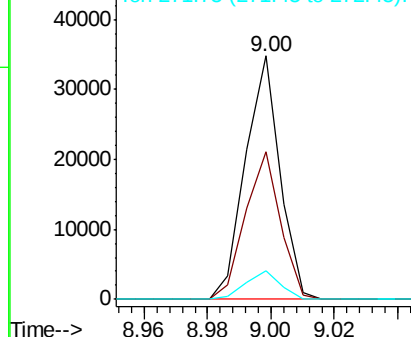
237 100

235 60.5 42.1 82.1

272 11.6 0.0 33.4



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: 98.903 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

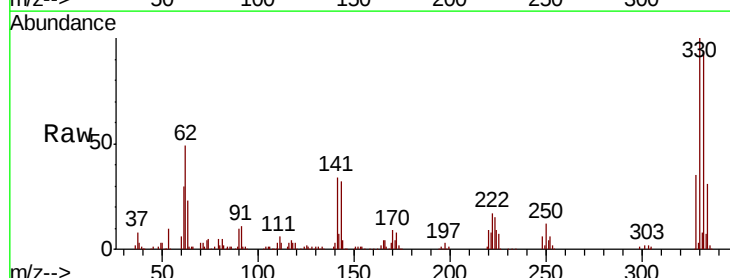
Tgt Ion:330 Resp: 245573

Ion Ratio Lower Upper

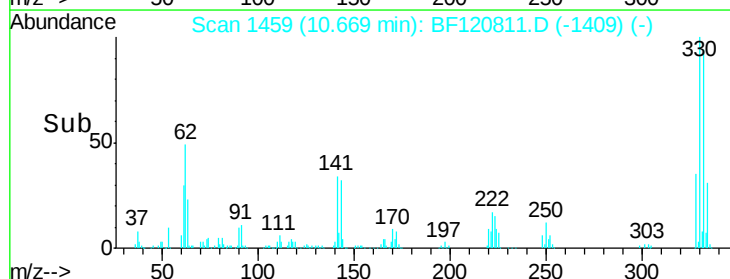
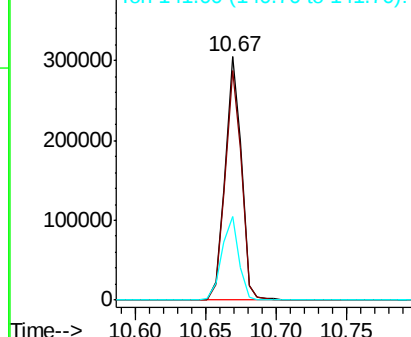
330 100

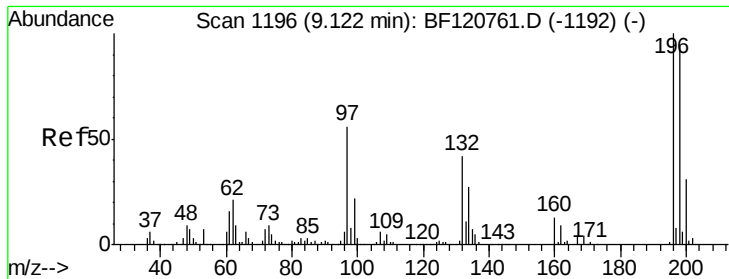
332 94.7 75.8 113.6

141 35.8 29.7 44.5



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

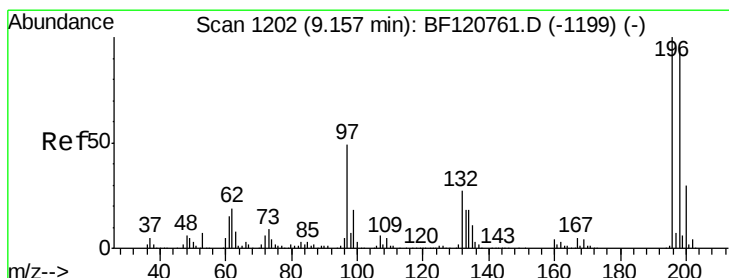
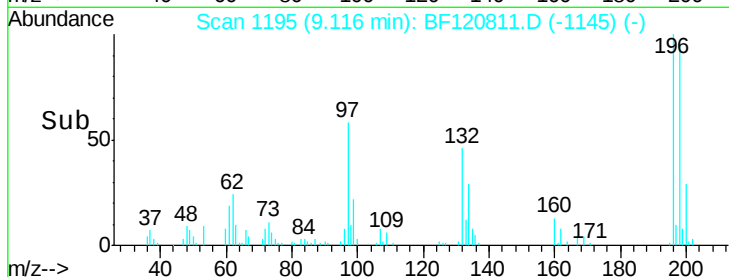
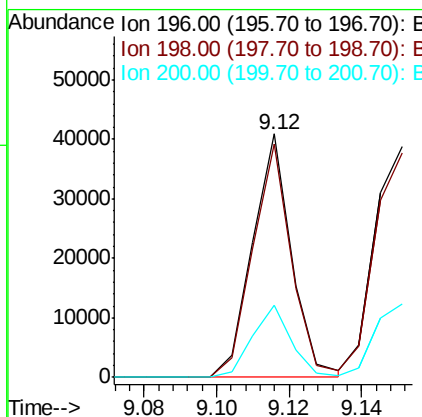
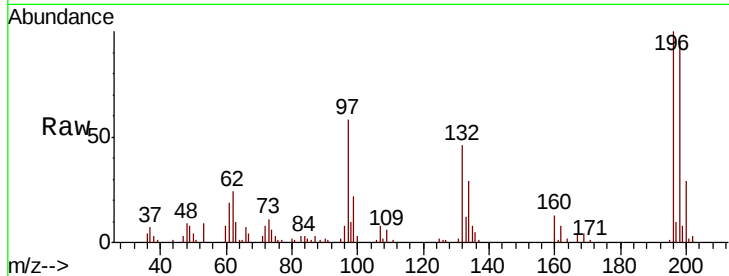




#43
 2,4,6-Trichlorophenol
 Concen: 5.948 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

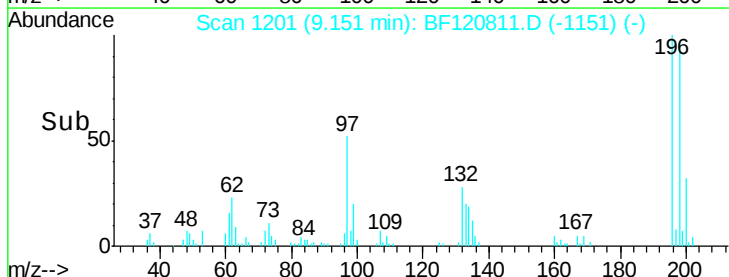
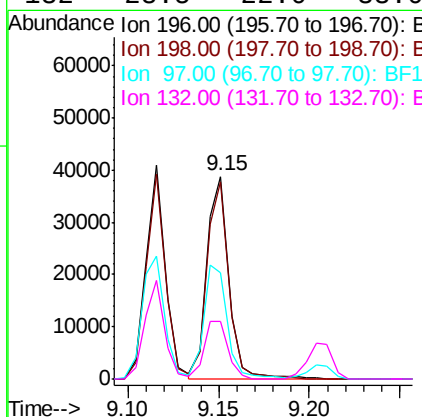
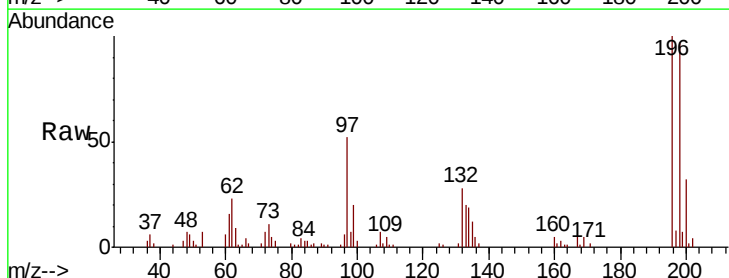
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

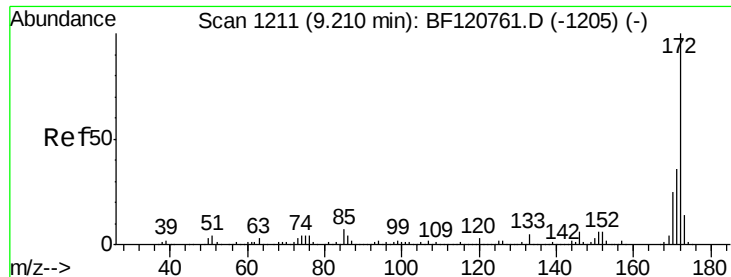
Tot Ion:196 Resp: 30275
 Ion Ratio Lower Upper
 196 100
 198 95.9 75.3 112.9
 200 29.4 24.4 36.6



#44
 2,4,5-Trichlorophenol
 Concen: 5.834 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion:196 Resp: 32953
 Ion Ratio Lower Upper
 196 100
 198 97.1 76.2 114.2
 97 52.2 39.6 59.4
 132 28.5 22.0 33.0

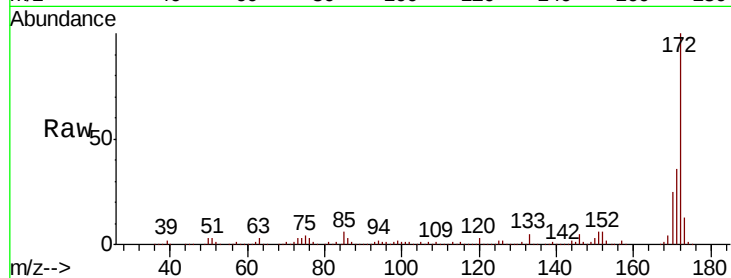




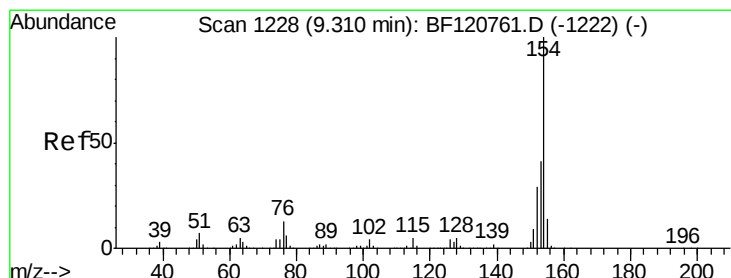
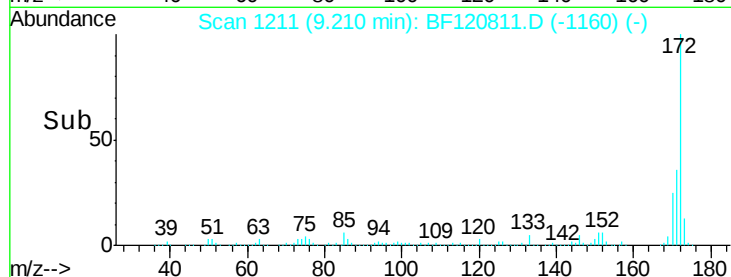
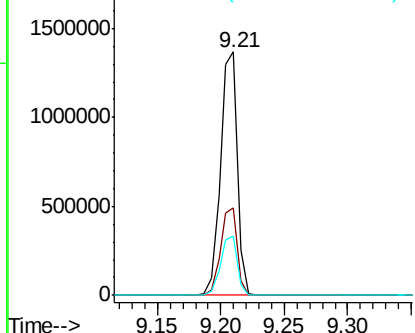
#45
2-Fluorobiphenyl
Concen: 77.930 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:172 Resp: 1273040
Ion Ratio Lower Upper
172 100
171 36.2 29.1 43.7
170 24.5 19.8 29.6

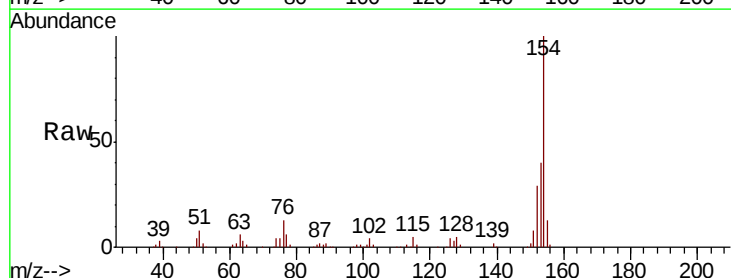


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

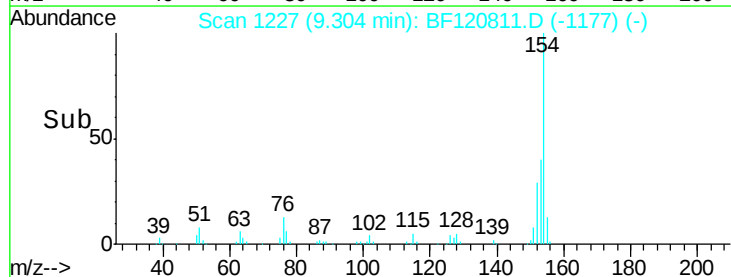
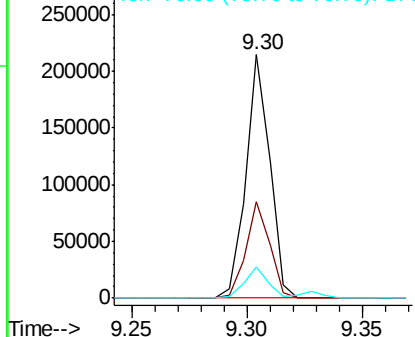


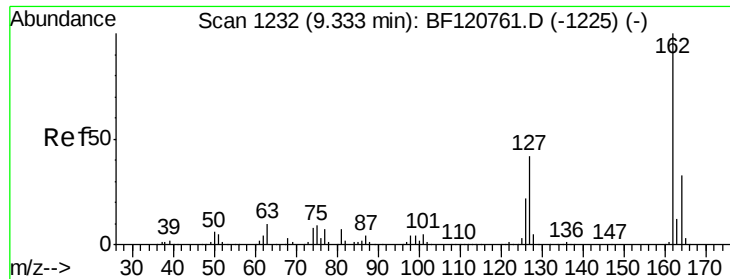
#46
1,1'-Biphenyl
Concen: 7.778 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion:154 Resp: 155066
Ion Ratio Lower Upper
154 100
153 39.7 20.7 60.7
76 12.8 0.0 33.3



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

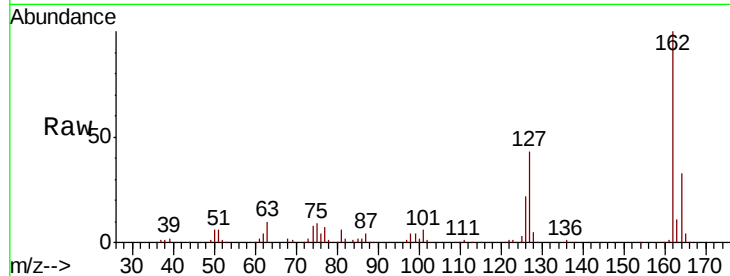




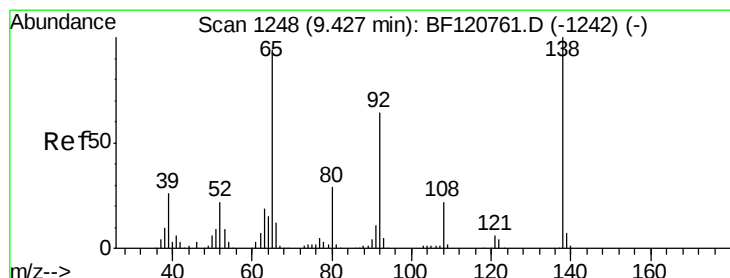
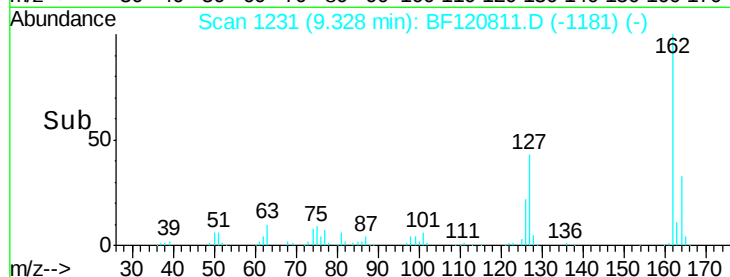
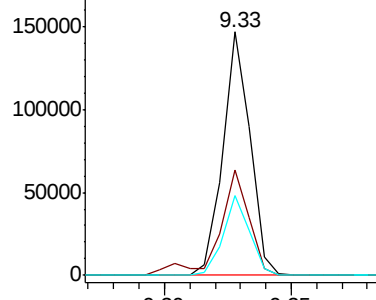
#47
 2-Chloronaphthalene
 Concen: 6.875 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion:162 Resp: 109796
 Ion Ratio Lower Upper
 162 100
 127 43.4 33.7 50.5
 164 32.6 26.4 39.6

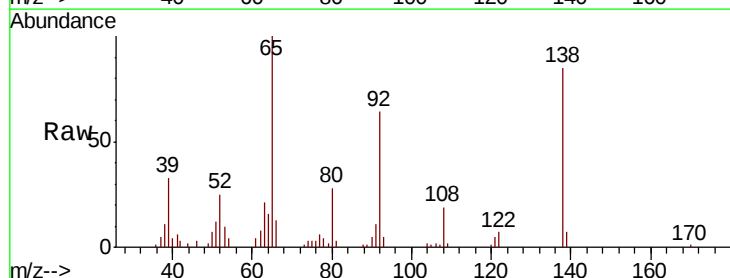


Abundance Ion 162.00 (161.70 to 162.70): E
 200000 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

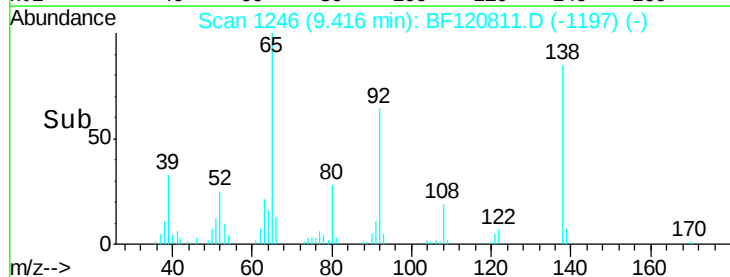
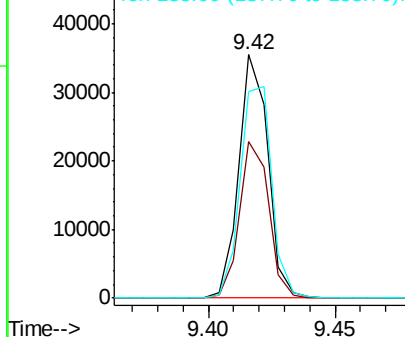


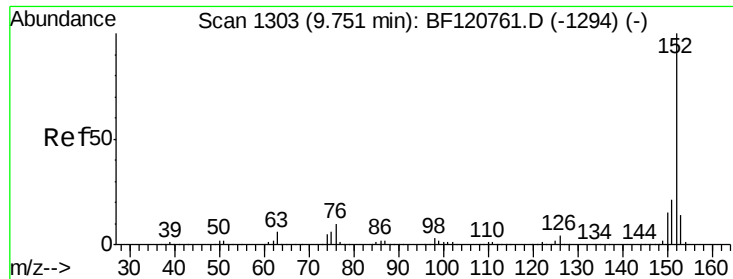
#48
 2-Nitroaniline
 Concen: 6.625 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion: 65 Resp: 28311
 Ion Ratio Lower Upper
 65 100
 92 64.1 54.4 81.6
 138 85.0 84.7 127.1



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: 6.973 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

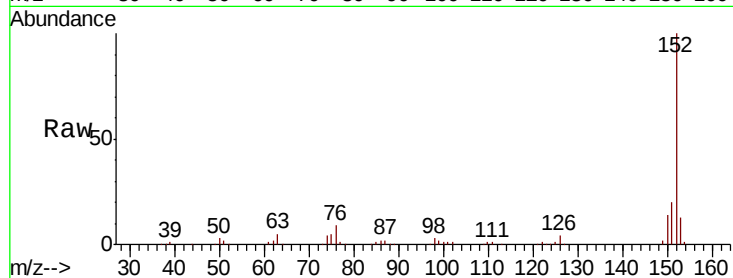
Tot Ion:152 Resp: 174607

Ion Ratio Lower Upper

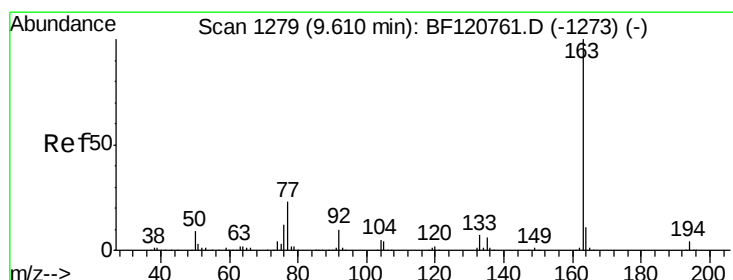
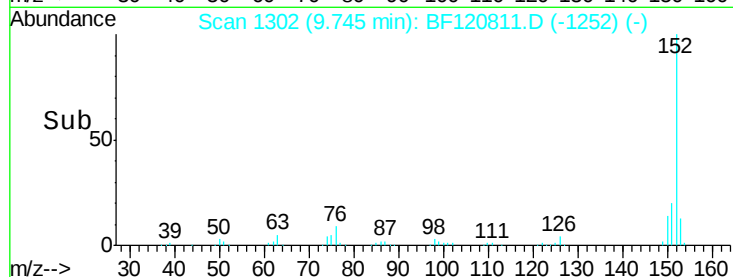
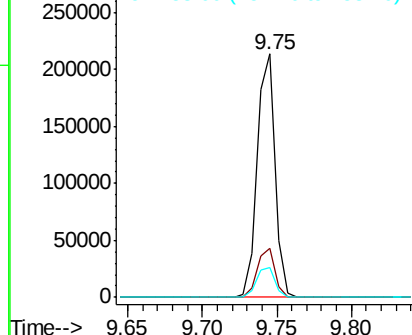
152 100

151 20.0 16.9 25.3

153 12.5 10.8 16.2



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: 6.646 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

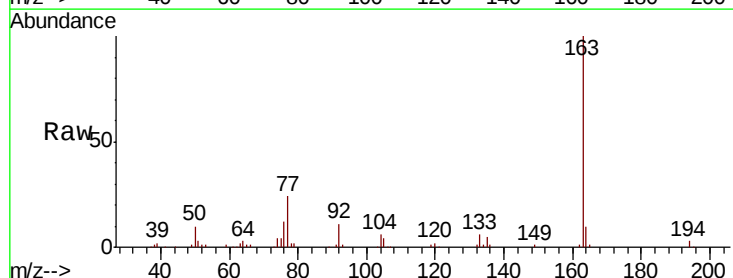
Tgt Ion:163 Resp: 119820

Ion Ratio Lower Upper

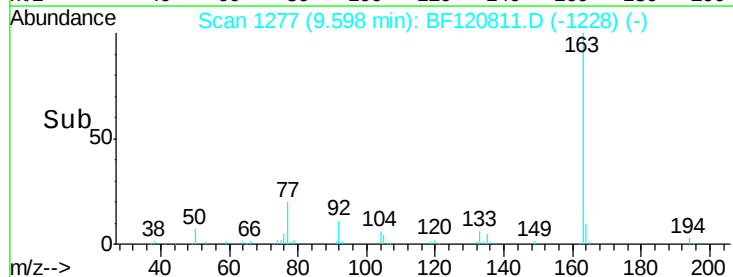
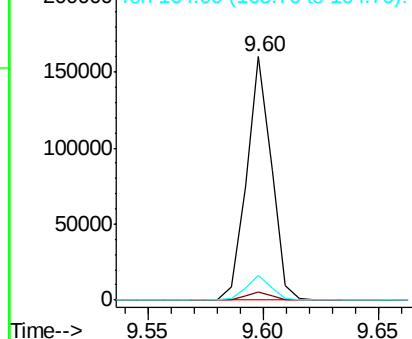
163 100

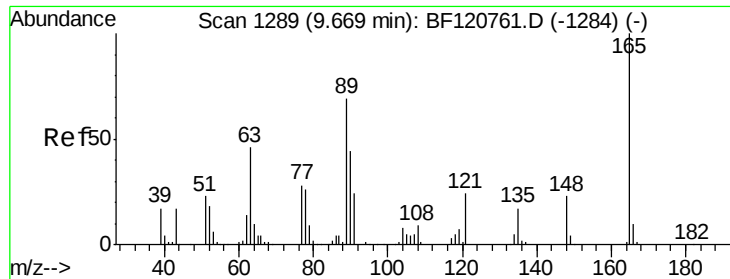
194 3.4 2.9 4.3

164 9.9 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

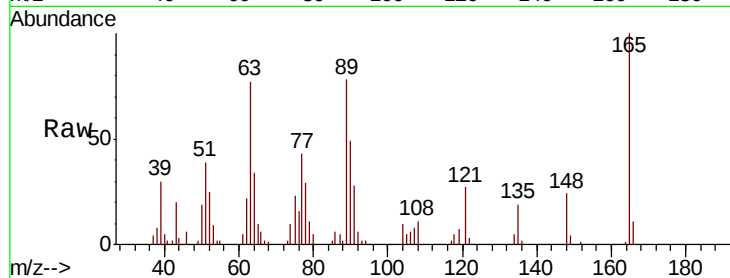




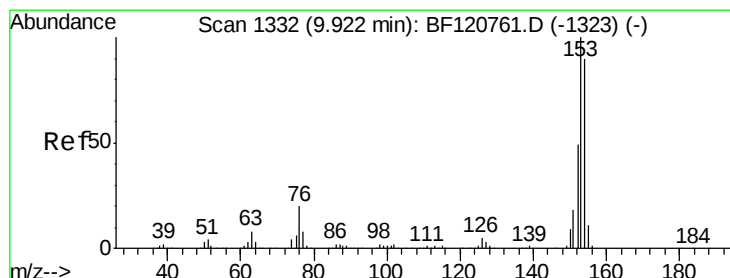
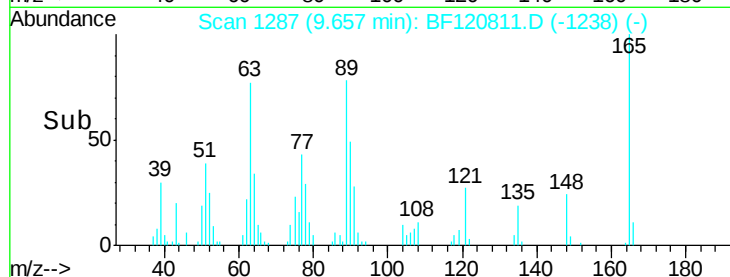
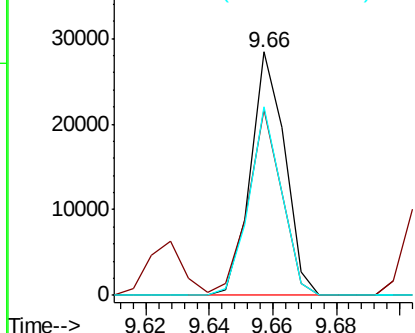
#51
2,6-Dinitrotoluene
Concen: 6.537 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:165 Resp: 21292
Ion Ratio Lower Upper
165 100
63 76.6 54.0 81.0
89 77.5 55.4 83.2

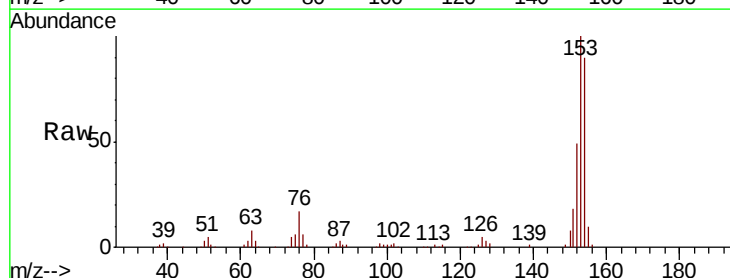


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

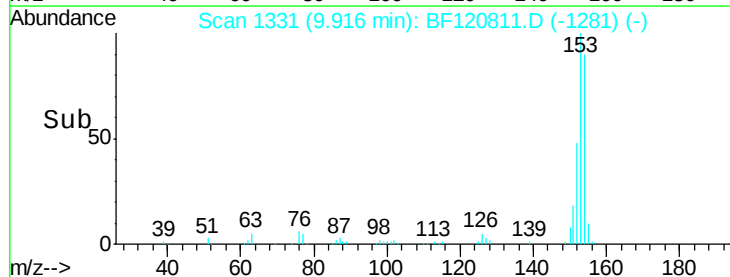
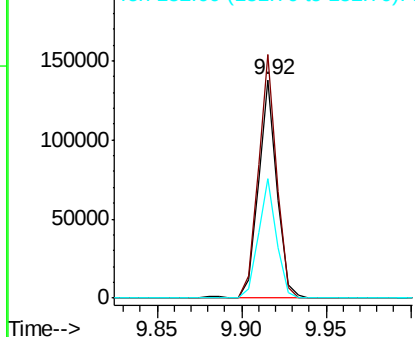


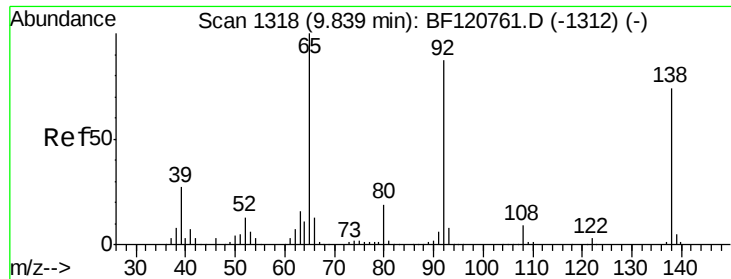
#52
Acenaphthene
Concen: 6.807 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion:154 Resp: 105738
Ion Ratio Lower Upper
154 100
153 111.7 88.6 132.8
152 54.6 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

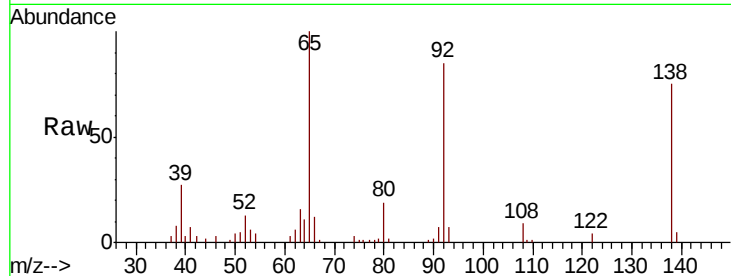




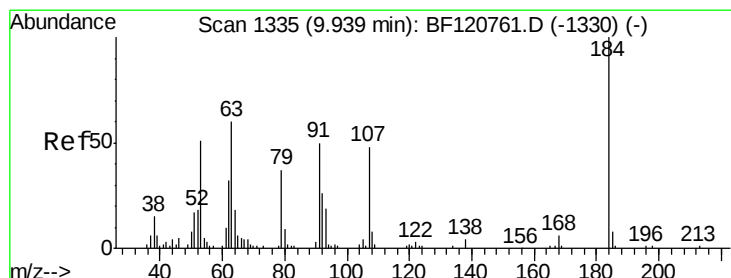
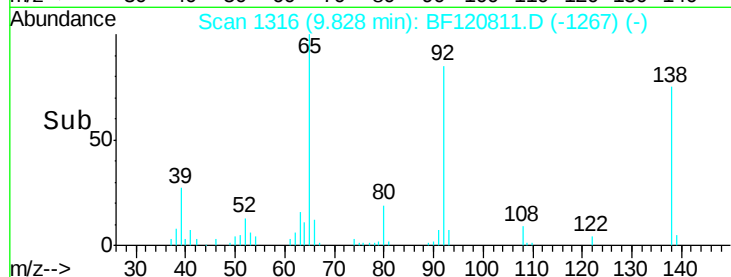
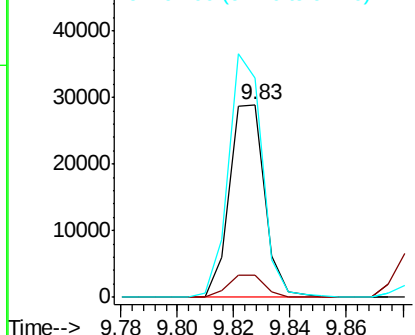
#53
3-Nitroaniline
Concen: 6.241 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:138 Resp: 25115
Ion Ratio Lower Upper
138 100
108 11.5 9.8 14.6
92 114.0 93.4 140.2

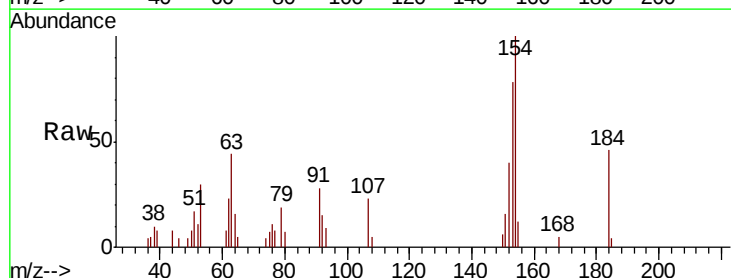


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

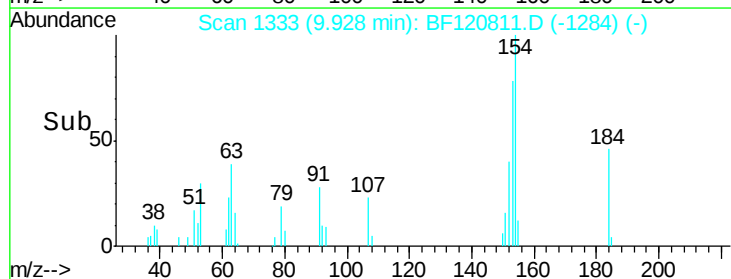
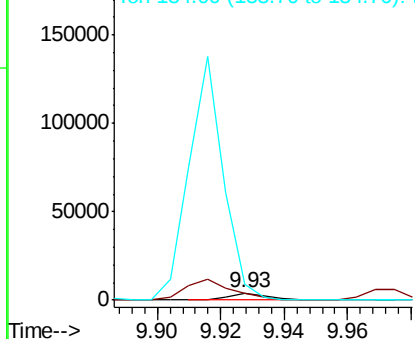


#54
2,4-Dinitrophenol
Concen: 2.860 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion:184 Resp: 3076
Ion Ratio Lower Upper
184 100
63 95.0 57.3 85.9#
154 218.0 55.8 83.6#



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

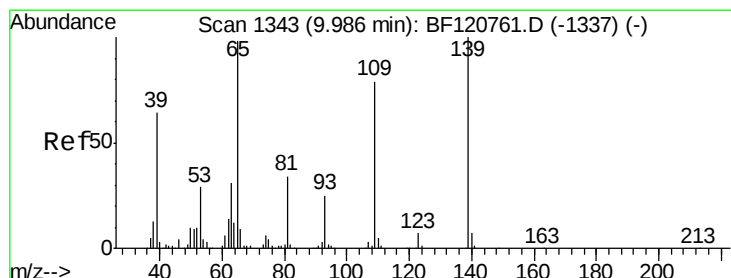
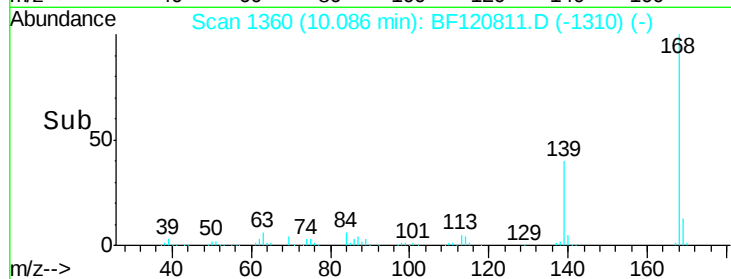
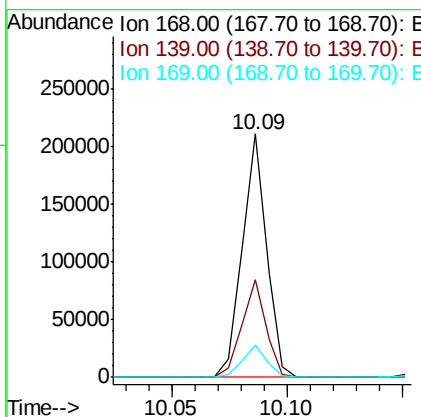
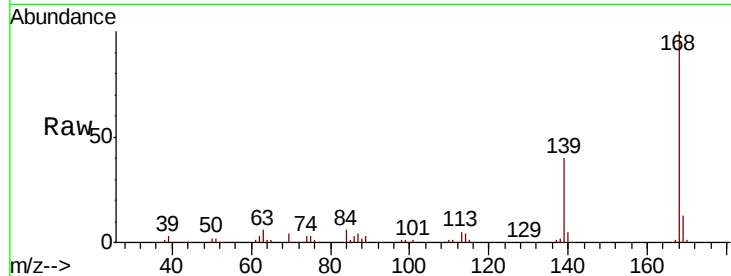




#55
Dibenzenofuran
Concen: 6.953 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

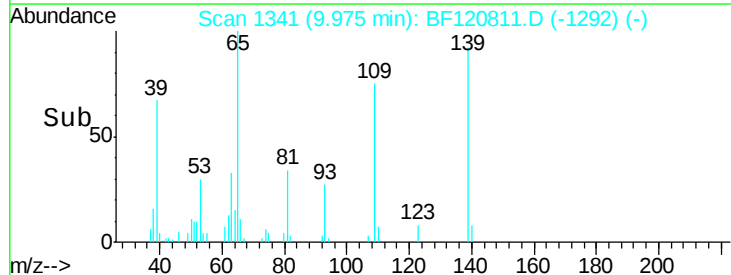
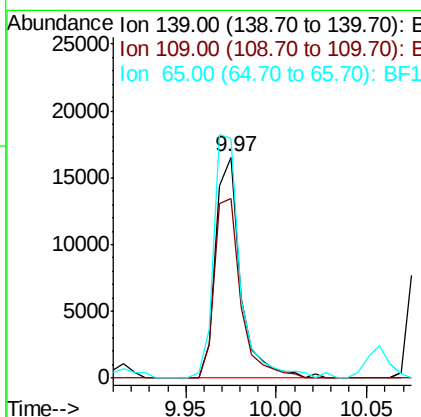
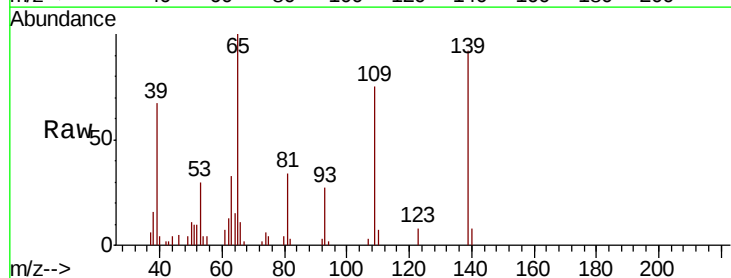
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:168 Resp: 155687
Ion Ratio Lower Upper
168 100
139 39.9 31.3 46.9
169 13.1 11.2 16.8



#56
4-Nitrophenol
Concen: 5.355 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion:139 Resp: 15827
Ion Ratio Lower Upper
139 100
109 81.2 58.6 98.6
65 108.3 78.7 118.7





#57

2,4-Dinitrotoluene

Concen: 6.475 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:165 Resp: 25319

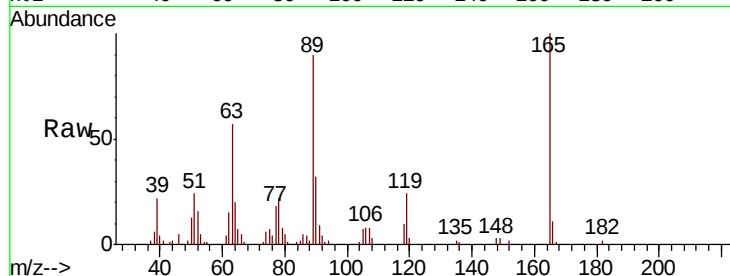
Ion Ratio Lower Upper

165 100

63 57.4 43.8 65.8

89 89.7 71.4 107.2

182 2.1 1.8 2.6

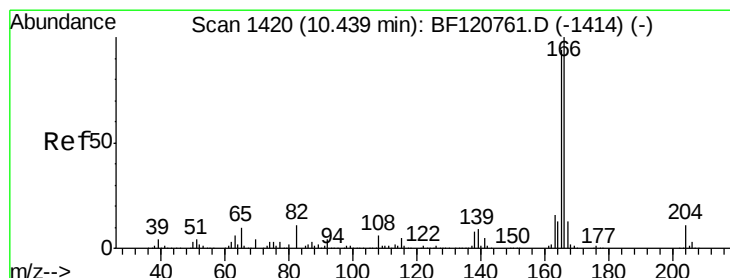
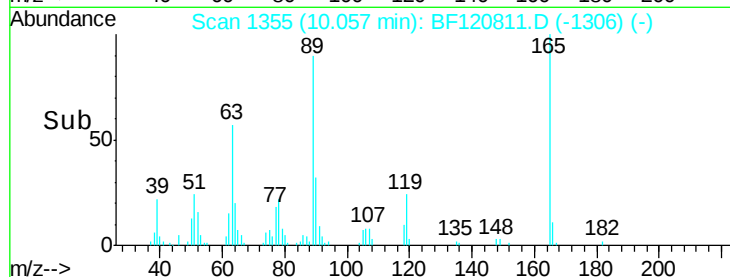
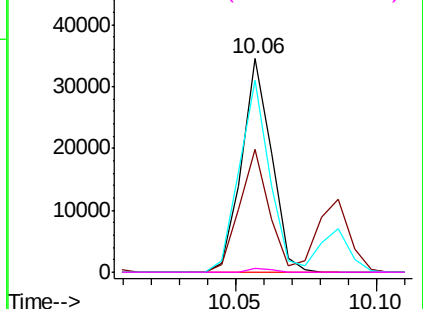


Abundance Ion 165.00 (164.70 to 165.70): E

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: 7.030 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

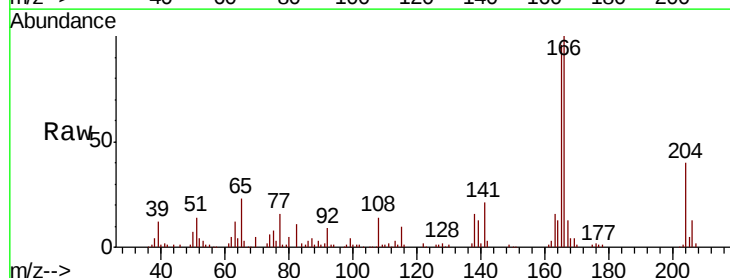
Tgt Ion:166 Resp: 117158

Ion Ratio Lower Upper

166 100

165 96.1 75.5 113.3

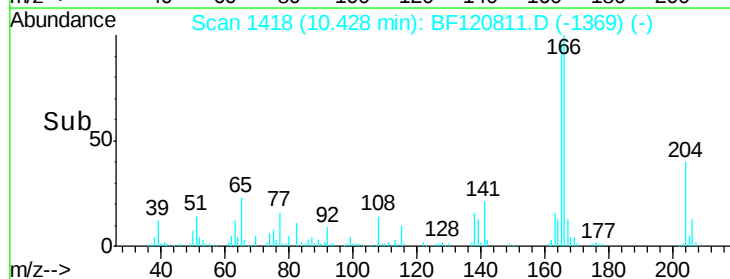
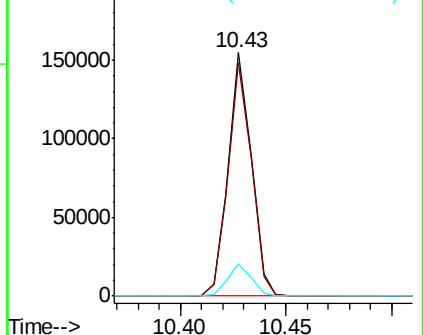
167 13.4 10.6 16.0



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

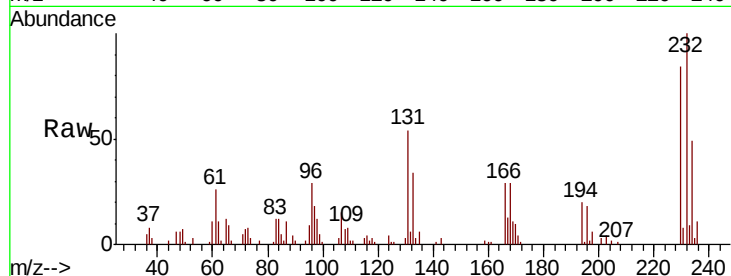




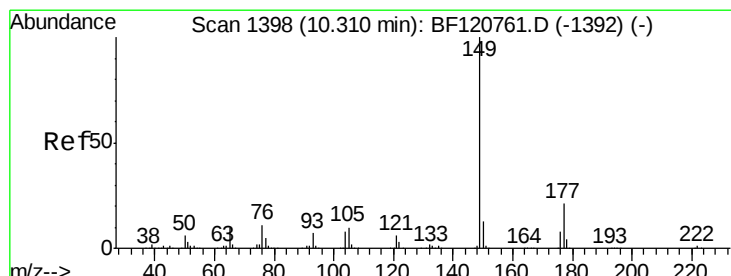
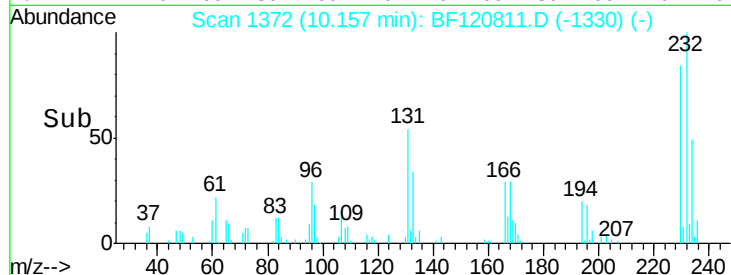
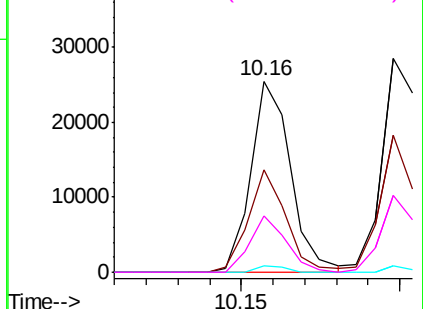
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 5.272 ng
 RT: 10.16 min Scan# 1372
 Delta R.T. -0.05 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion:232 Resp: 22162
 Ion Ratio Lower Upper
 232 100
 131 50.9 36.3 54.5
 130 2.4 2.0 3.0
 166 27.0 20.9 31.3

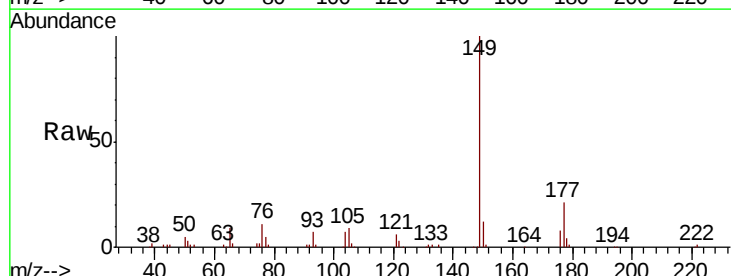


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

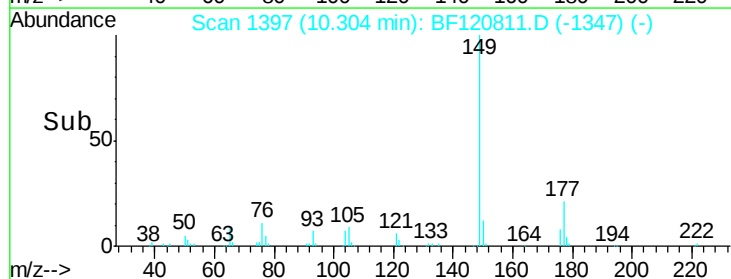
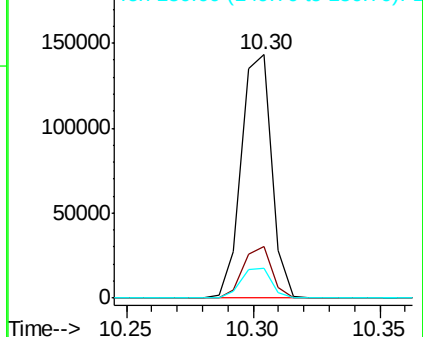


#60
 Diethylphthalate
 Concen: 6.347 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion:149 Resp: 119208
 Ion Ratio Lower Upper
 149 100
 177 21.4 16.4 24.6
 150 12.2 10.2 15.4



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

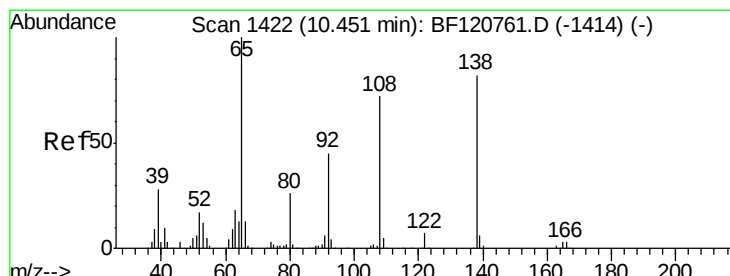
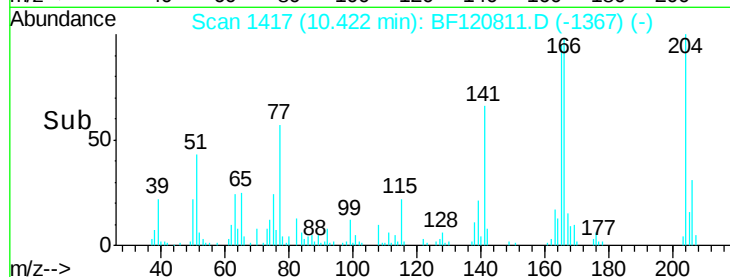
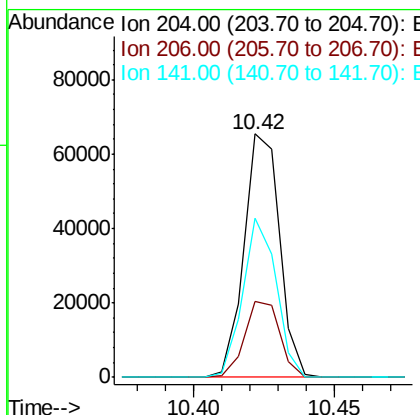
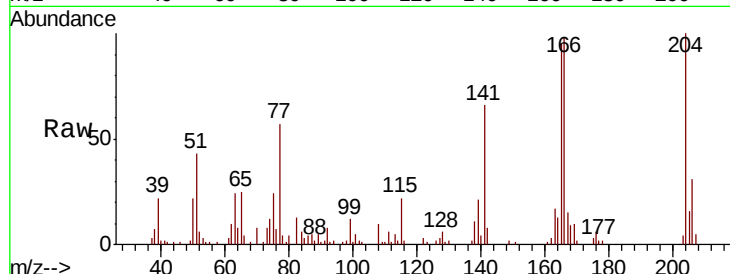




#61
4-Chlorophenyl-phenylether
Concen: 6.818 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

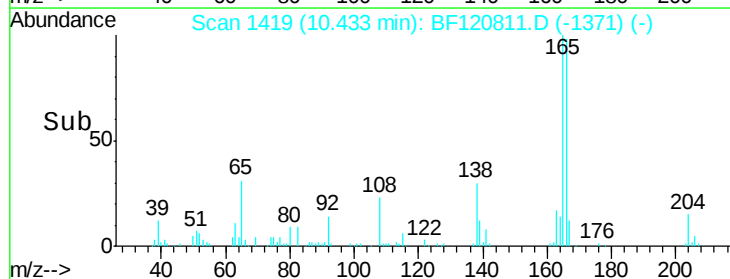
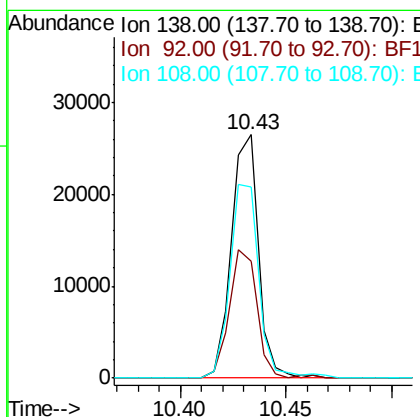
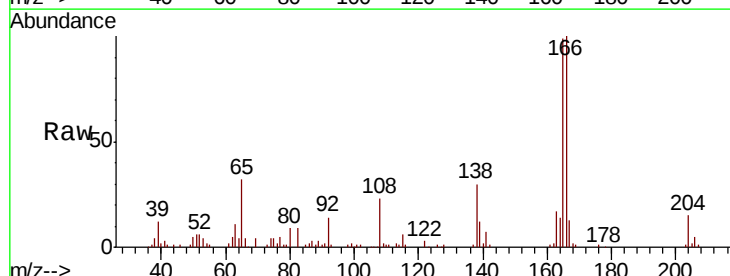
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:204 Resp: 57125
Ion Ratio Lower Upper
204 100
206 31.3 26.7 40.1
141 65.5 48.5 72.7



#62
4-Nitroaniline
Concen: 6.075 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.02 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion:138 Resp: 23271
Ion Ratio Lower Upper
138 100
92 48.3 34.3 74.3
108 78.3 68.3 108.3

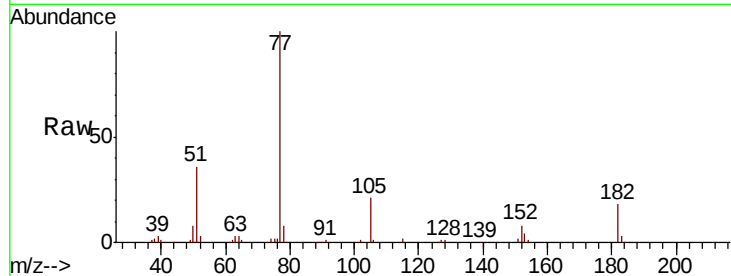




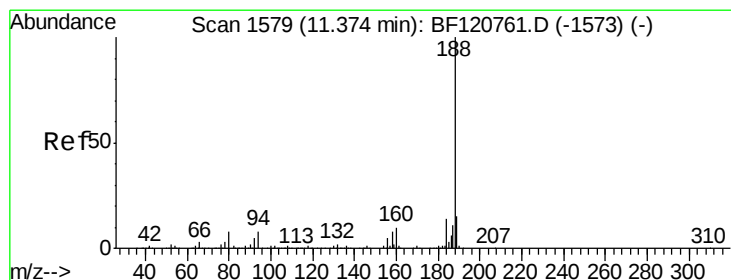
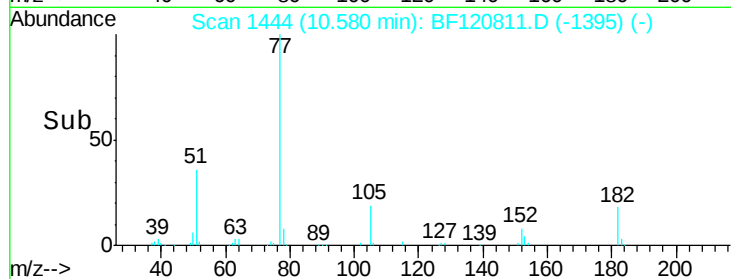
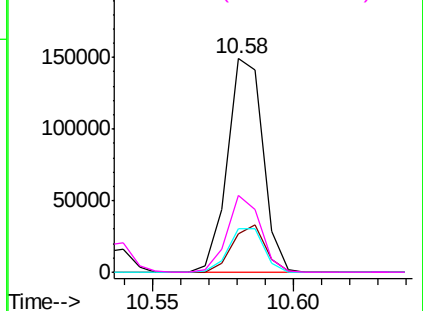
#63
Azobenzene
Concen: 6.789 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	77	Resp:	130430
Ion	Ratio	Lower	Upper
77	100		
182	18.2	4.0	44.0
105	20.6	2.6	42.6
51	36.1	11.5	51.5

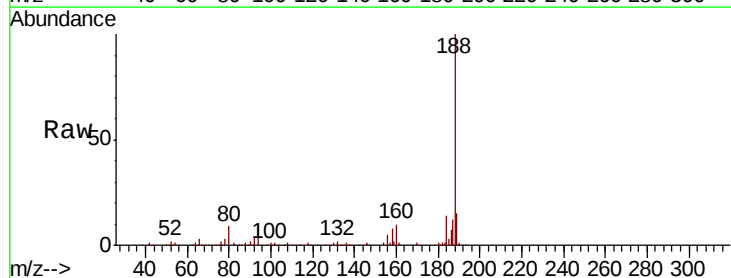


Abundance Ion 77.00 (76.70 to 77.70): BF1

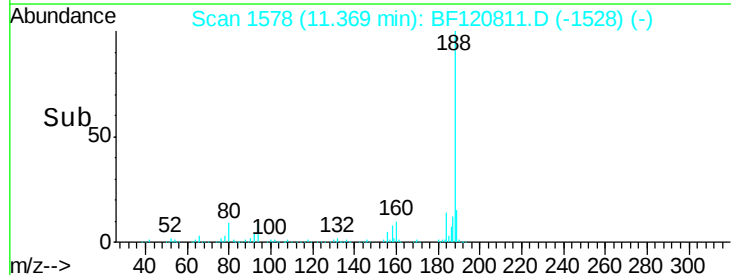
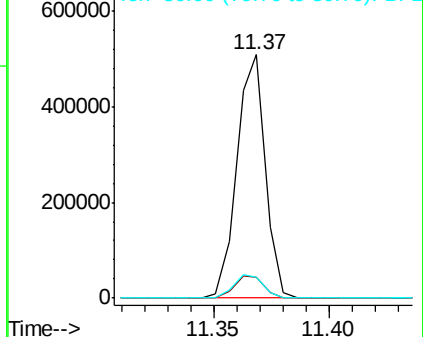


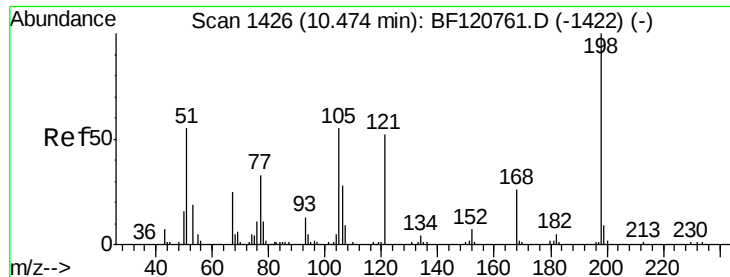
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion:	188	Resp:	435077
Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	9.8
80	8.8	6.6	10.0



Abundance Ion 188.00 (187.70 to 188.70): BF1

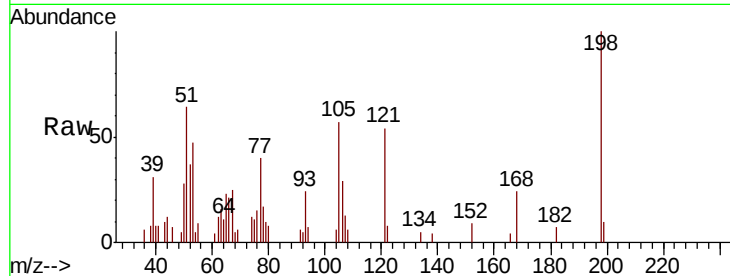




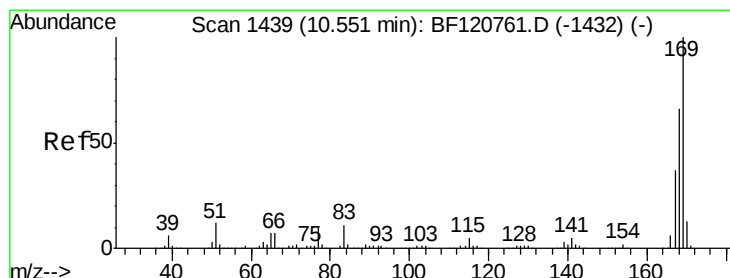
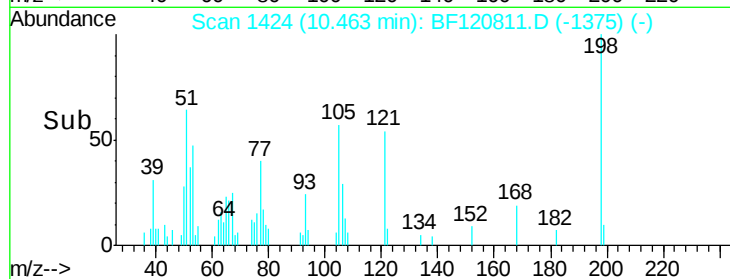
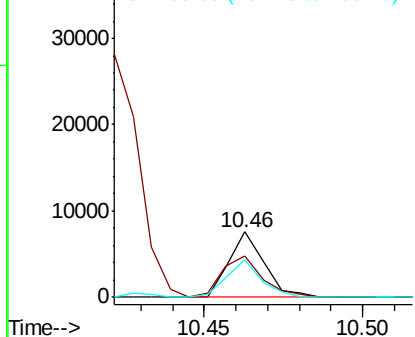
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.118 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion:198 Resp: 5757
 Ion Ratio Lower Upper
 198 100
 51 63.6 50.0 90.0
 105 57.5 38.3 78.3

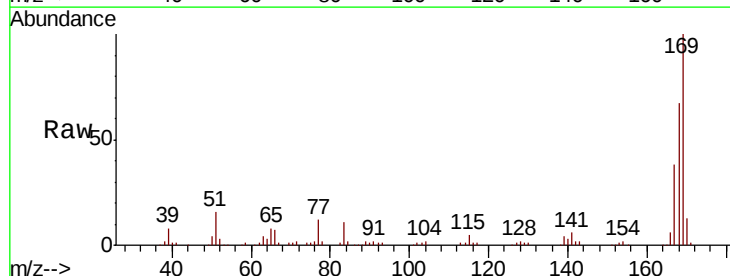


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

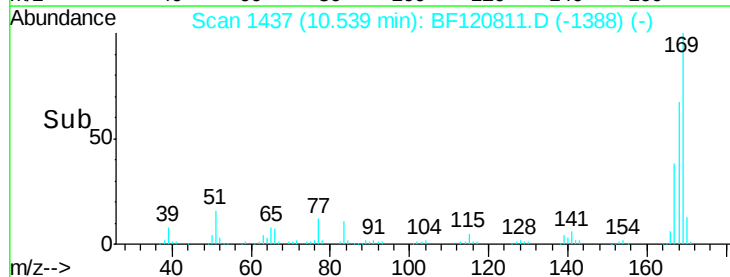
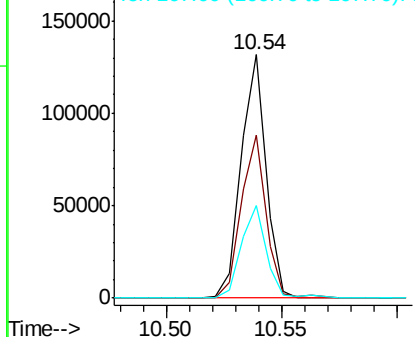


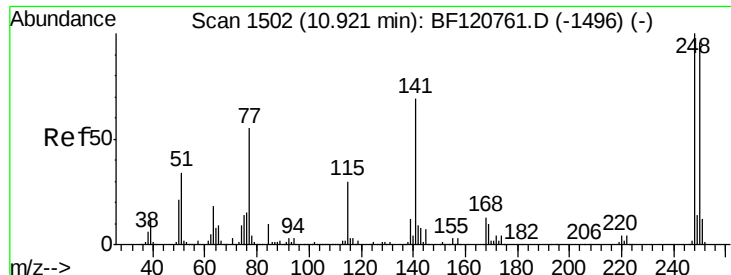
#66
 n-Nitrosodiphenylamine
 Concen: 6.815 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion:169 Resp: 99377
 Ion Ratio Lower Upper
 169 100
 168 67.1 53.1 79.7
 167 37.8 29.6 44.4



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

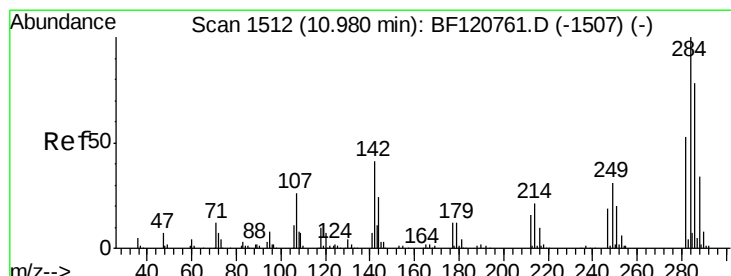
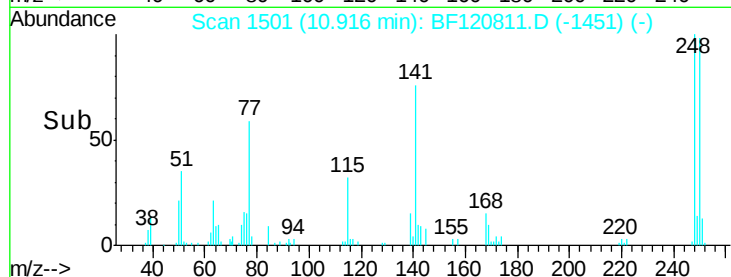
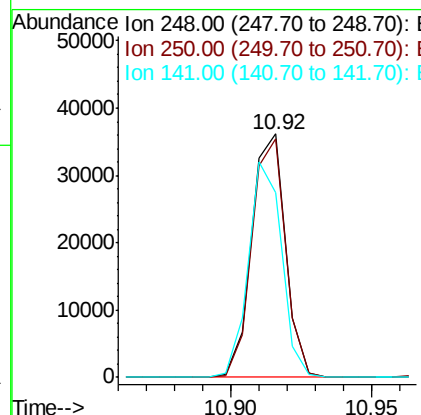
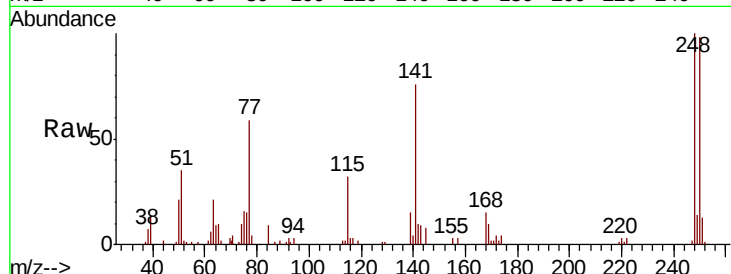




#67
 4-Bromophenyl-phenylether
 Concen: 5.965 ng
 RT: 10.92 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

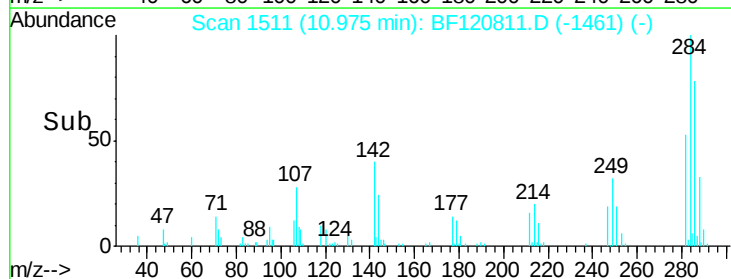
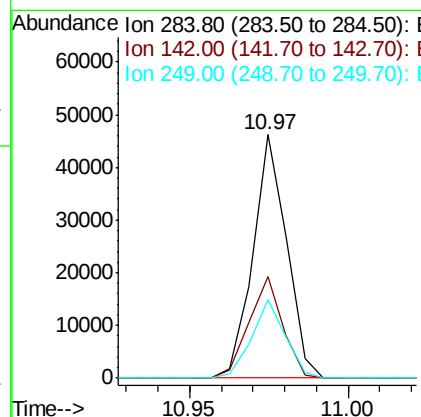
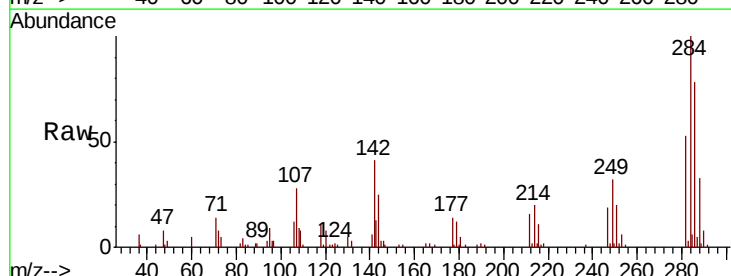
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

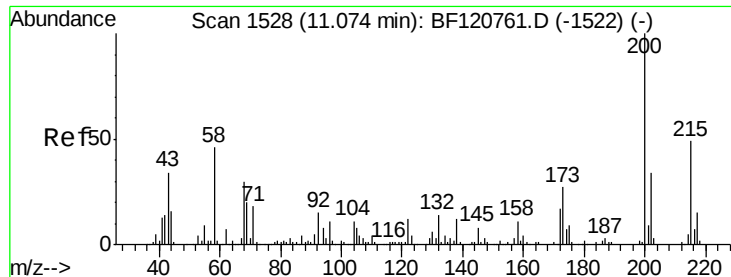
Tot Ion:248 Resp: 30105
 Ion Ratio Lower Upper
 248 100
 250 98.1 76.5 114.7
 141 76.1 54.9 82.3



#68
 Hexachlorobenzene
 Concen: 6.408 ng
 RT: 10.97 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion:284 Resp: 33935
 Ion Ratio Lower Upper
 284 100
 142 41.5 32.5 48.7
 249 34.3 24.8 37.2

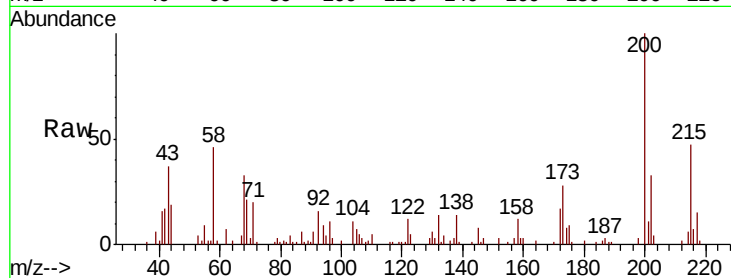




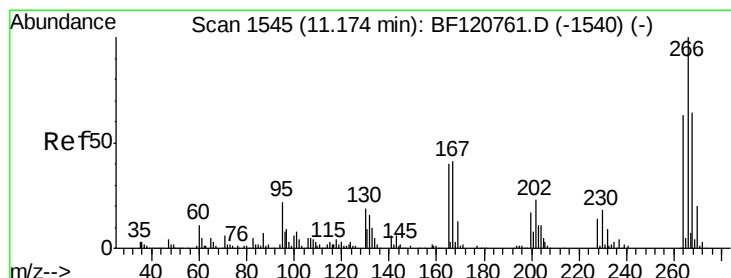
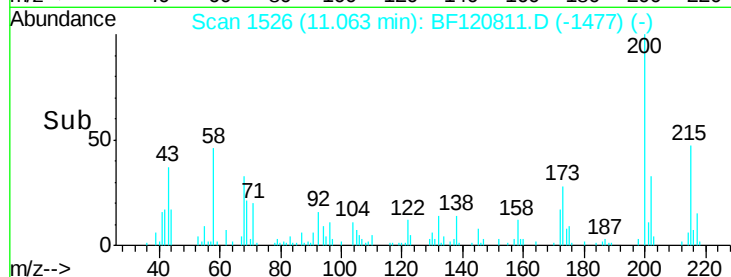
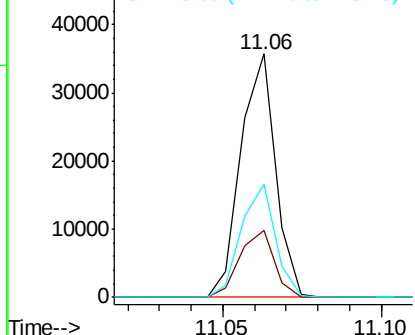
#69
 Atrazine
 Concen: 7.190 ng
 RT: 11.06 min Scan# 1526
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.4	47.4
215	46.6	28.8	68.8

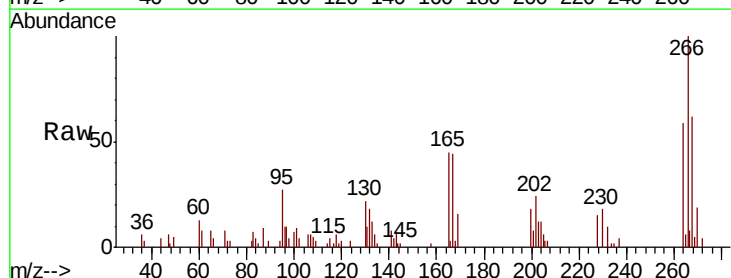


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

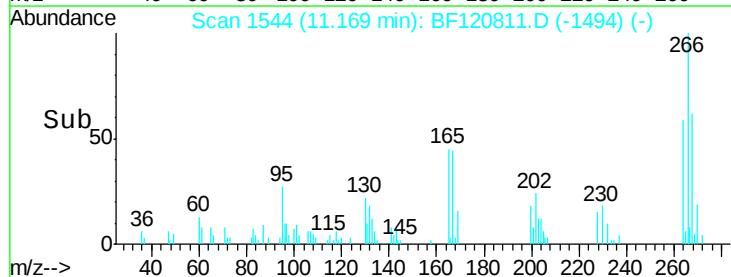
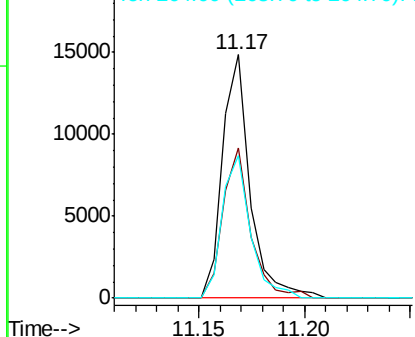


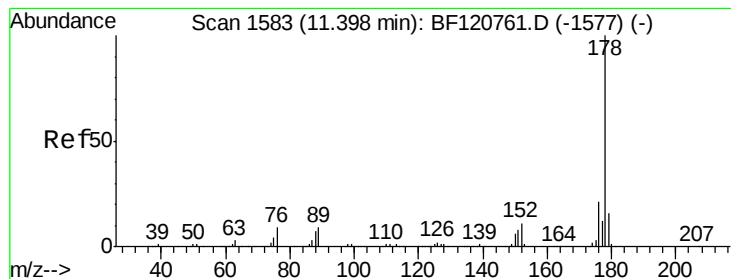
#70
 Pentachlorophenol
 Concen: 4.501 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
266	100		
268	61.5	51.4	77.2
264	64.7	50.6	75.8



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: 6.934 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

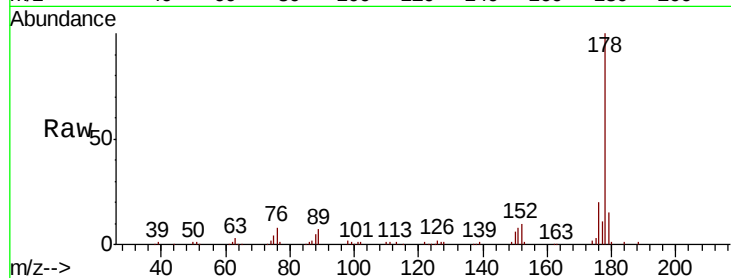
Tot Ion:178 Resp: 163685

Ion Ratio Lower Upper

178 100

176 20.2 16.4 24.6

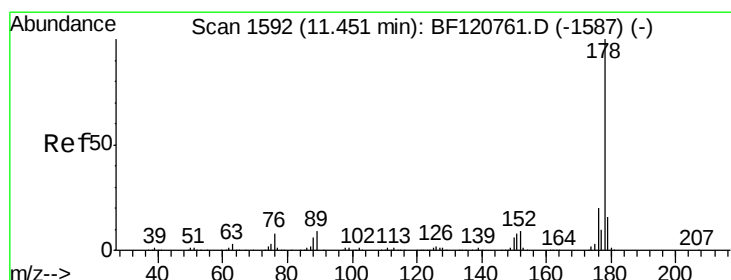
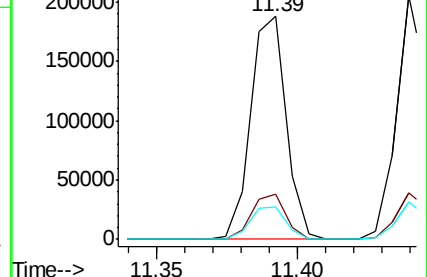
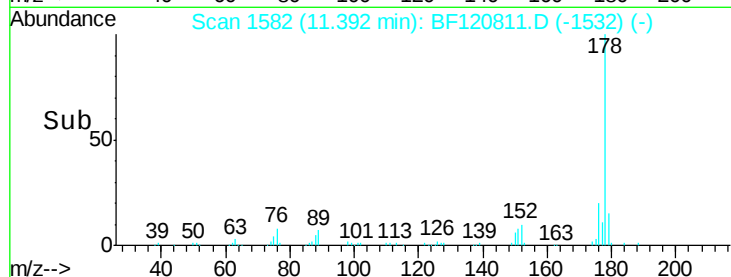
179 14.8 12.9 19.3



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



#72

Anthracene

Concen: 6.815 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

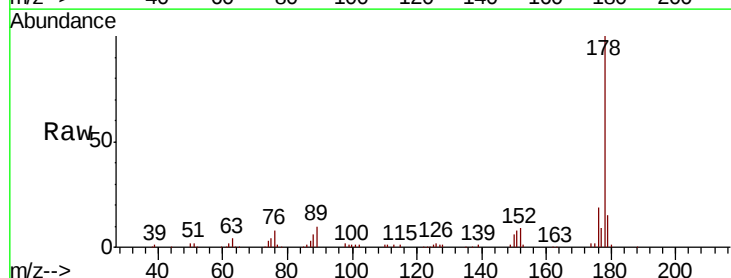
Tgt Ion:178 Resp: 162568

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.2

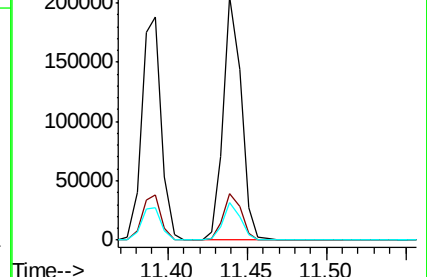
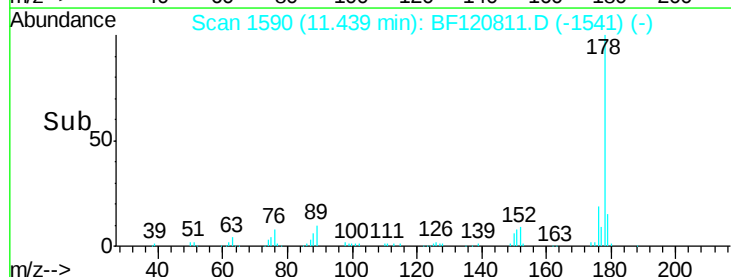
179 15.4 12.7 19.1



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

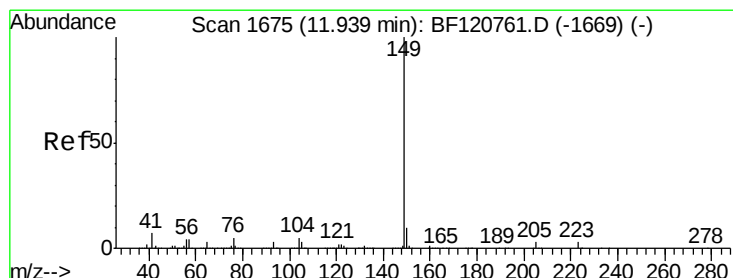
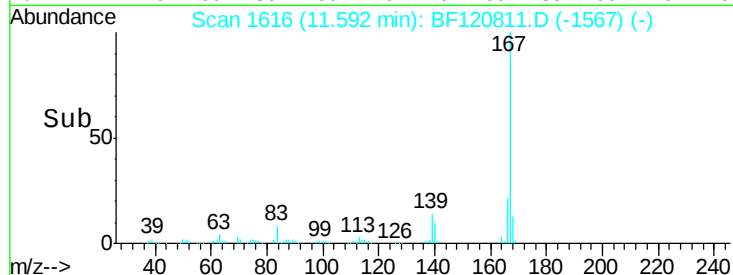
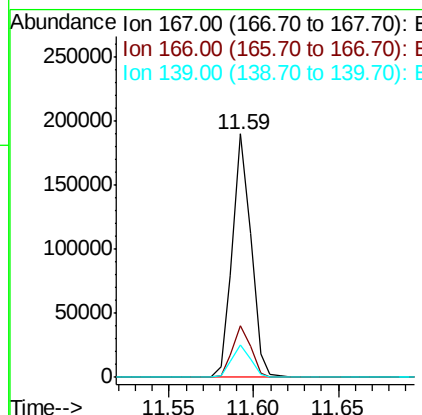
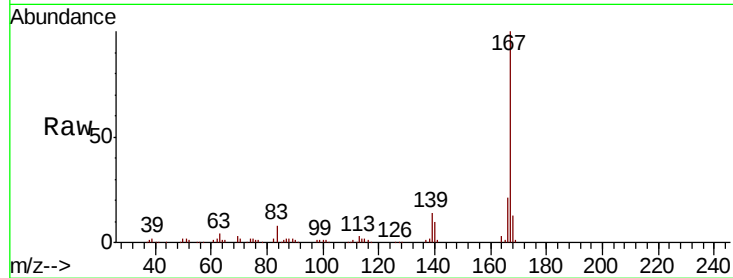




#73
 Carbazole
 Concen: 6.361 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

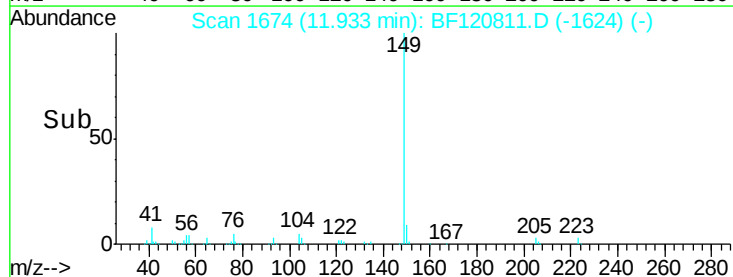
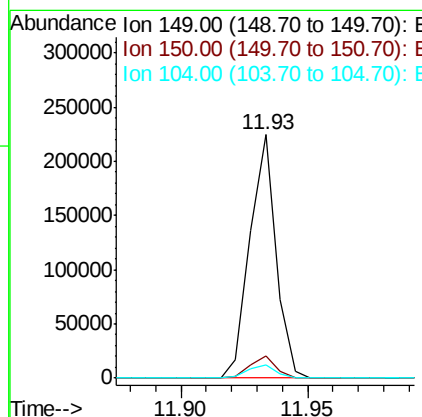
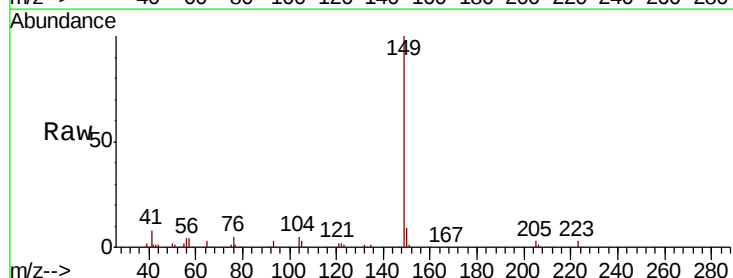
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

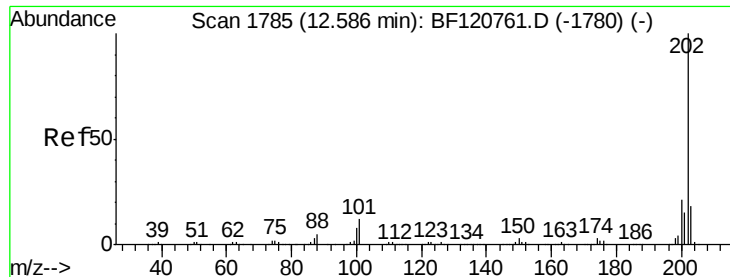
Tot Ion:167 Resp: 145824
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.8 26.8
 139 13.5 10.7 16.1



#74
 Di-n-butylphthalate
 Concen: 5.697 ng
 RT: 11.93 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion:149 Resp: 161691
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.7 11.5
 104 5.3 4.0 6.0





#75

Fluoranthene

Concen: 6.332 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

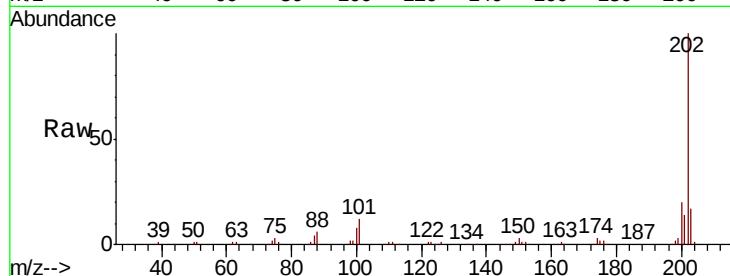
Tot Ion:202 Resp: 159238

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.6

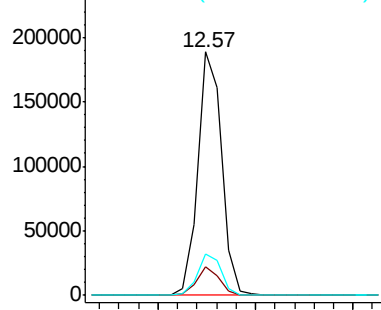
203 16.9 0.0 38.2



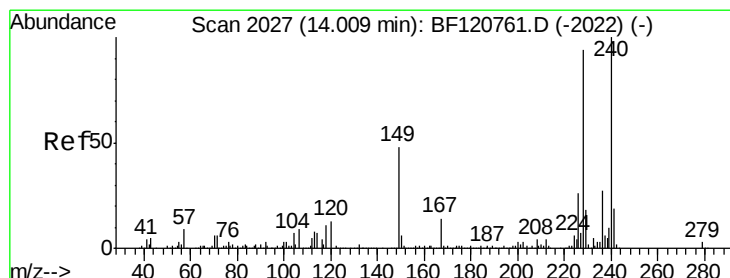
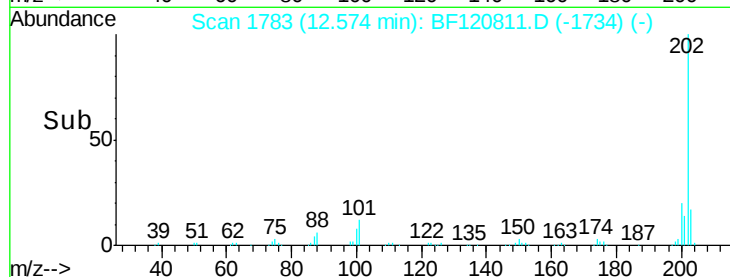
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

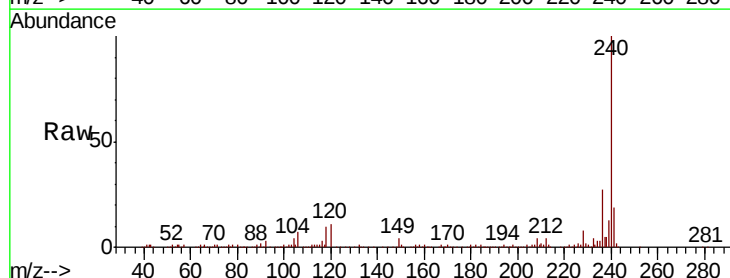
Tgt Ion:240 Resp: 312942

Ion Ratio Lower Upper

240 100

120 10.9 10.3 15.5

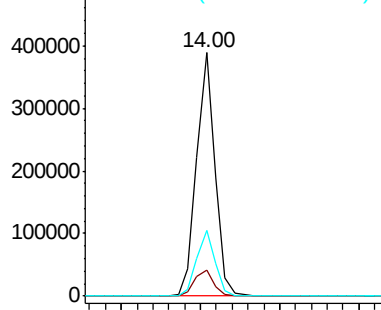
236 26.8 21.4 32.2



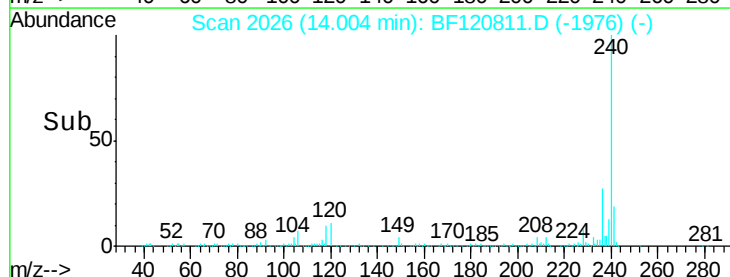
Abundance Ion 240.00 (239.70 to 240.70): E

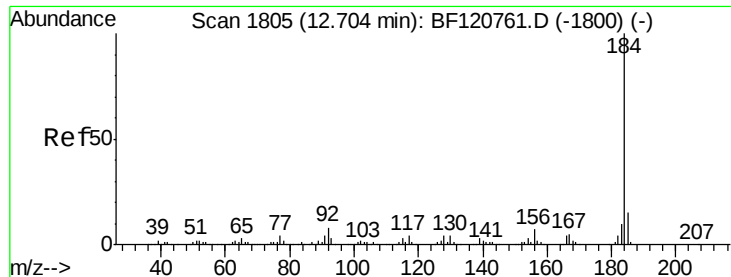
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Benzidine

Concen: 6.374 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

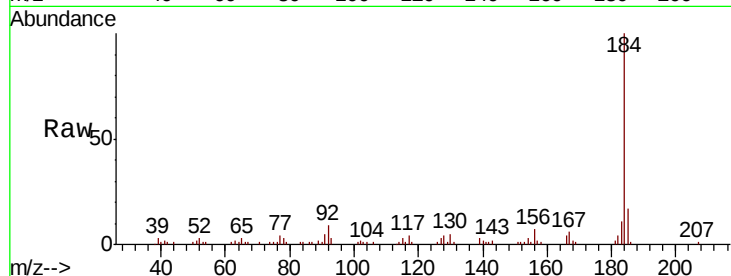
Tot Ion:184 Resp: 56305

Ion Ratio Lower Upper

184 100

185 17.4 11.8 17.8

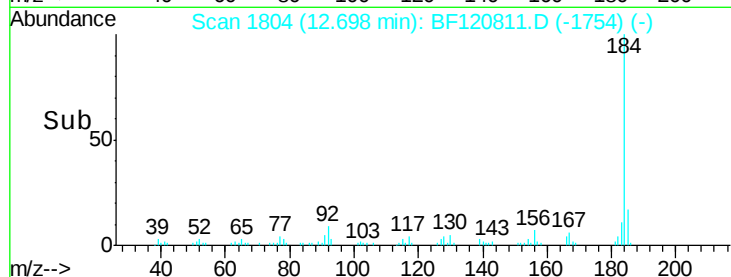
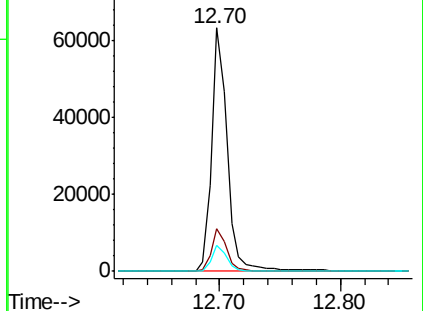
183 10.5 8.3 12.5



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: 6.649 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

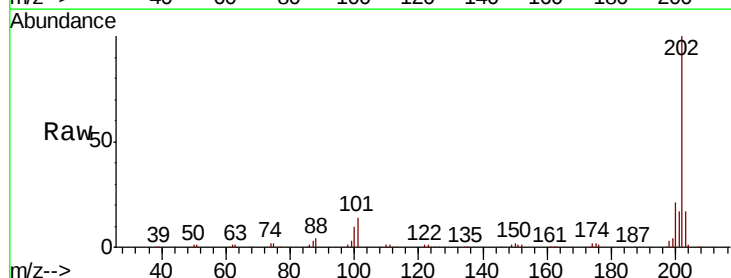
Tgt Ion:202 Resp: 166179

Ion Ratio Lower Upper

202 100

200 20.6 17.3 25.9

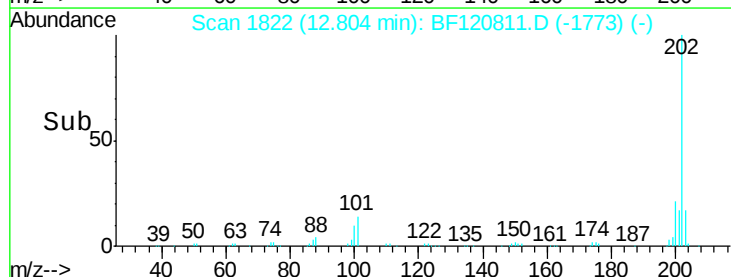
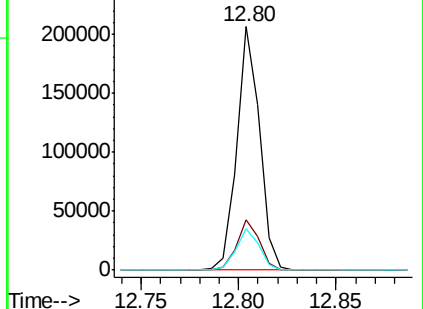
203 17.3 14.6 22.0

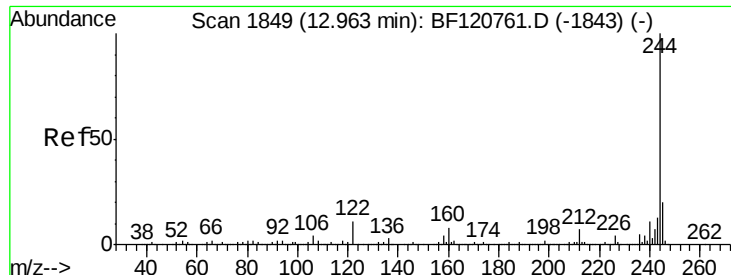


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 63.004 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

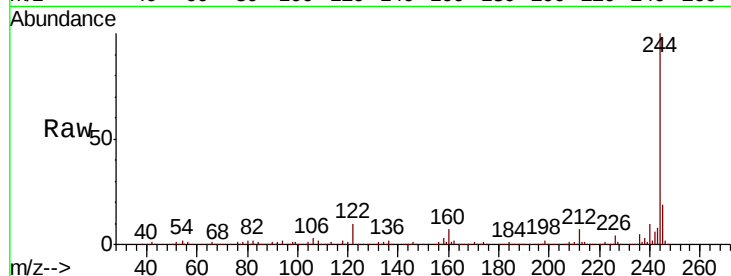
Tot Ion:244 Resp: 1007034

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

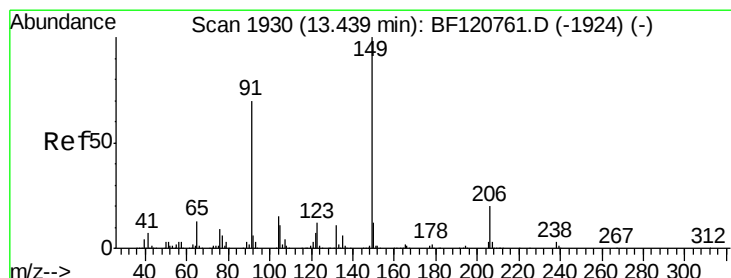
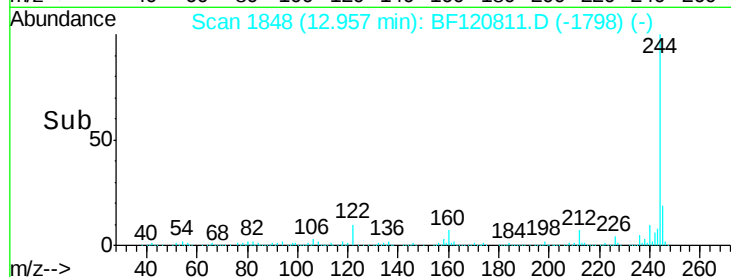
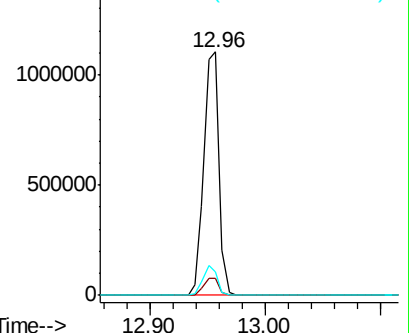
122 9.8 9.0 13.4



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: 4.770 ng

RT: 13.43 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

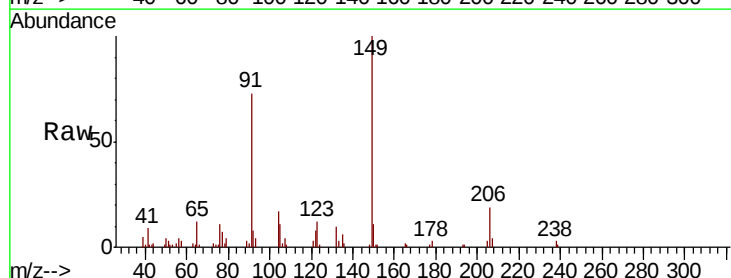
Tgt Ion:149 Resp: 51470

Ion Ratio Lower Upper

149 100

91 73.2 55.8 83.8

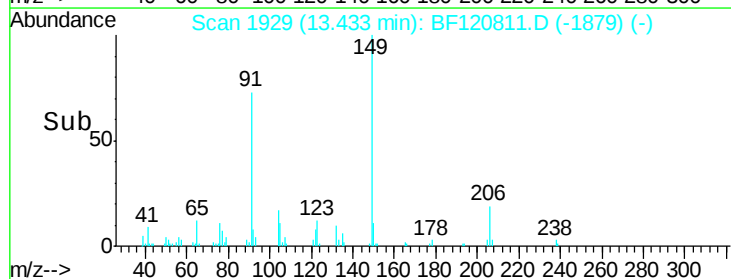
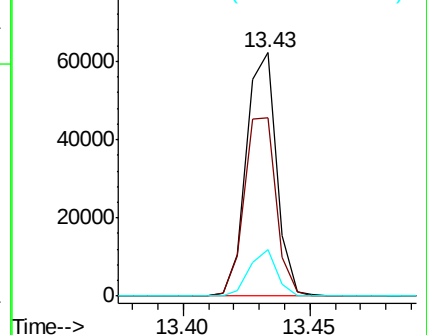
206 19.3 15.7 23.5

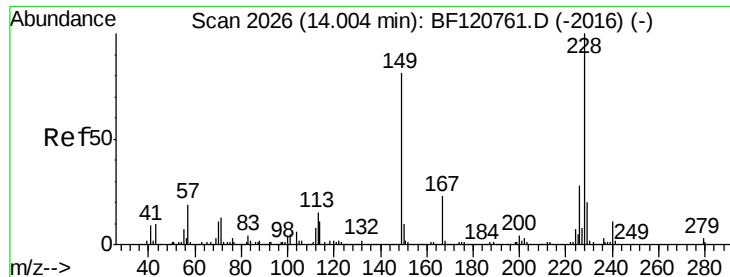


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

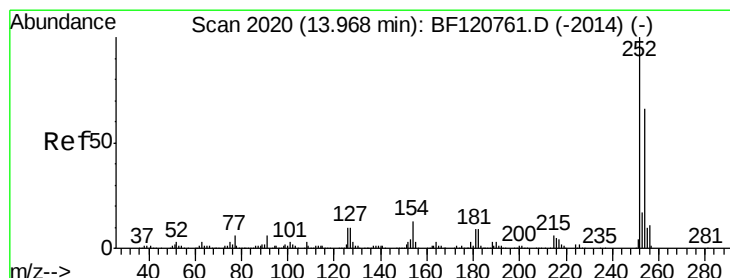
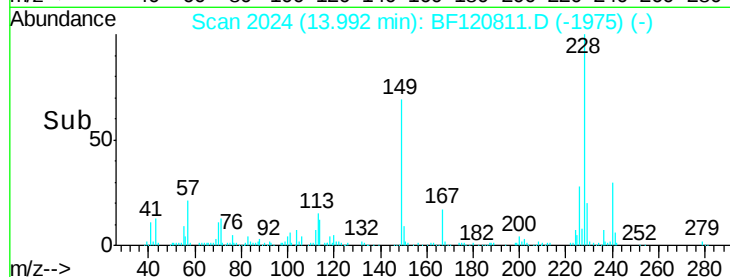
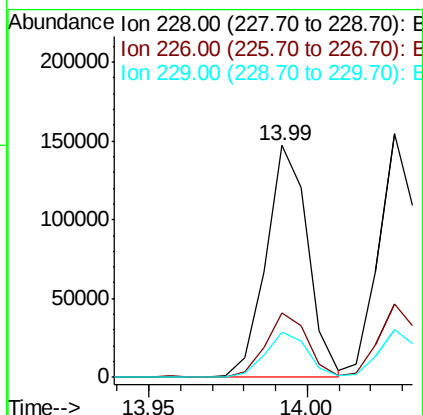
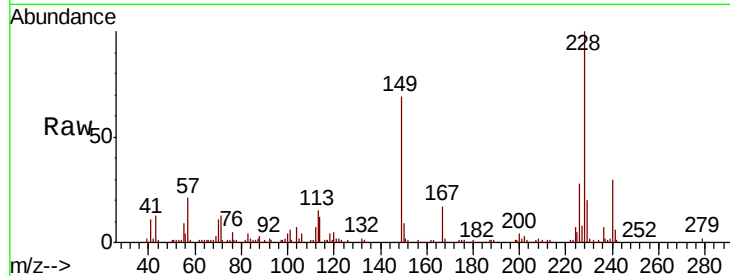




#81
Benzo(a)anthracene
Concen: 6.712 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

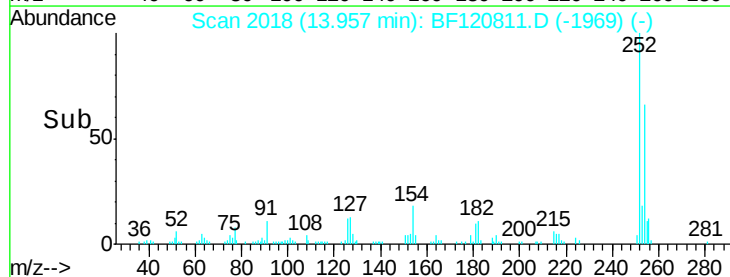
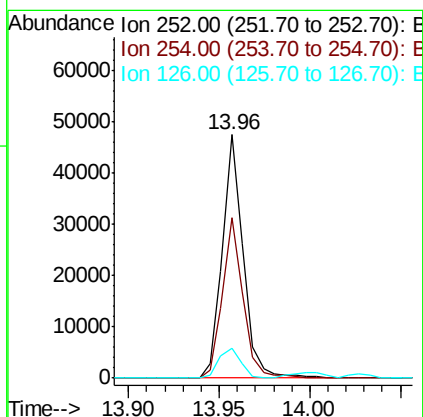
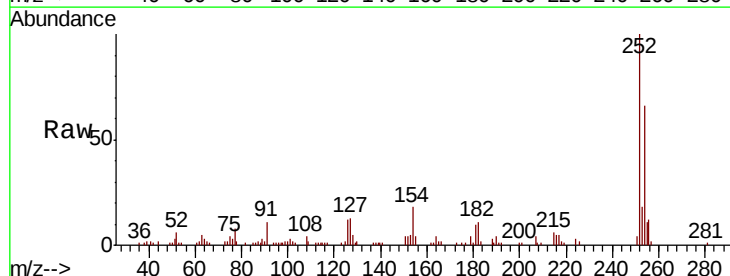
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:228 Resp: 134635
Ion Ratio Lower Upper
228 100
226 27.7 22.6 33.8
229 19.6 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 5.611 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion:252 Resp: 37984
Ion Ratio Lower Upper
252 100
254 65.8 52.6 78.8
126 12.3 7.8 11.8#

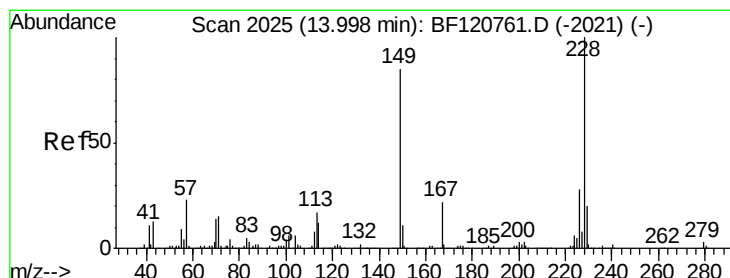
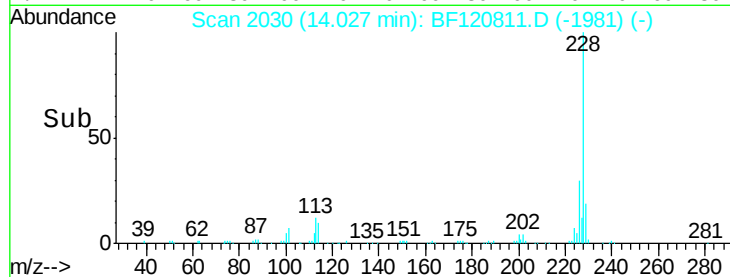
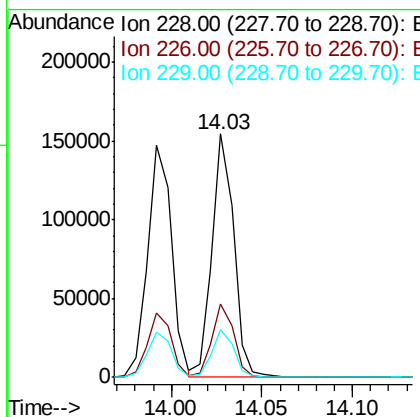
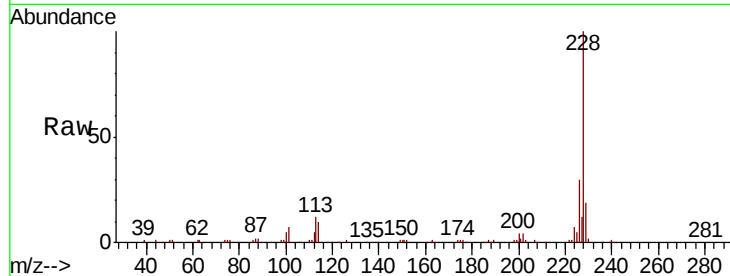




#83
Chrysene
Concen: 6.347 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

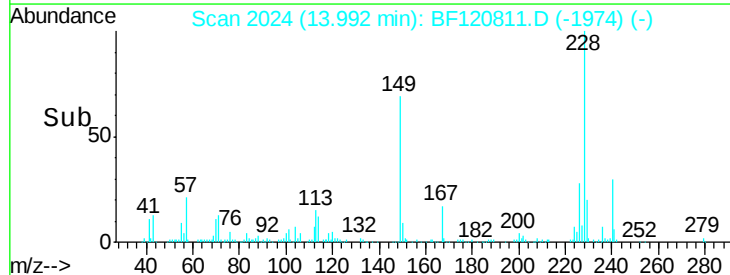
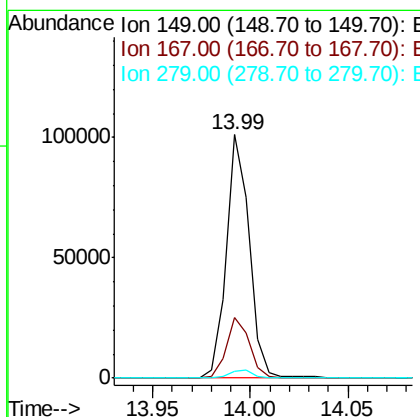
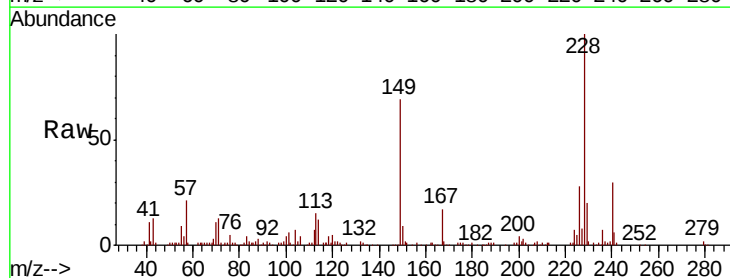
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:228 Resp: 129874
Ion Ratio Lower Upper
228 100
226 30.4 25.7 38.5
229 19.4 16.3 24.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.834 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion:149 Resp: 82552
Ion Ratio Lower Upper
149 100
167 25.0 20.9 31.3
279 2.9 2.6 4.0





#85

Di-n-octyl phthalate

Concen: 4.006 ng

RT: 14.60 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

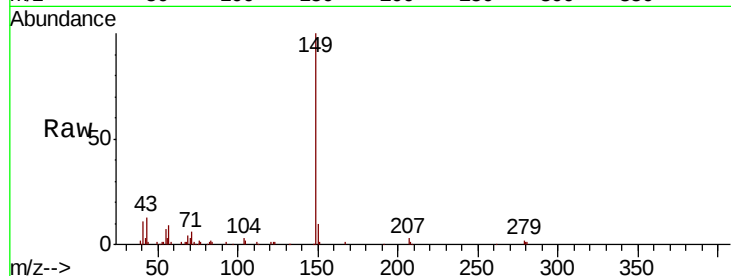
Tot Ion:149 Resp: 100274

Ion Ratio Lower Upper

149 100

167 1.3 1.2 1.8

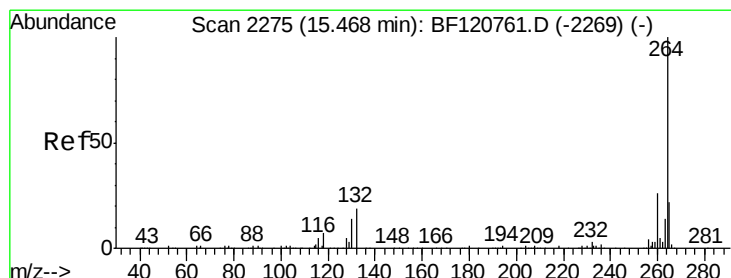
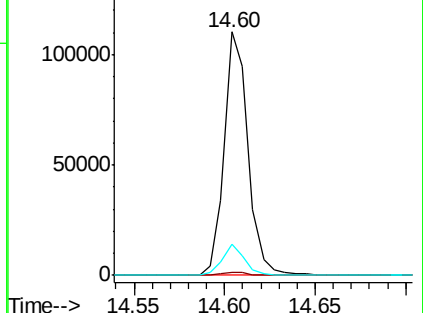
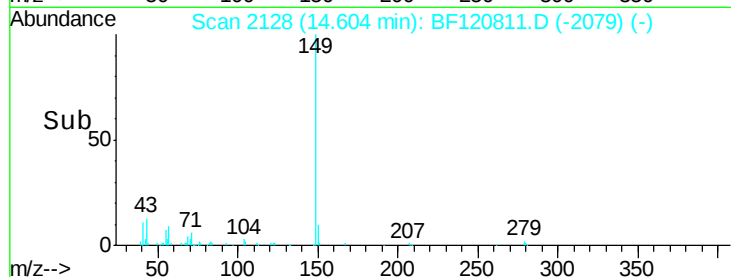
43 12.1 8.7 13.1



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: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

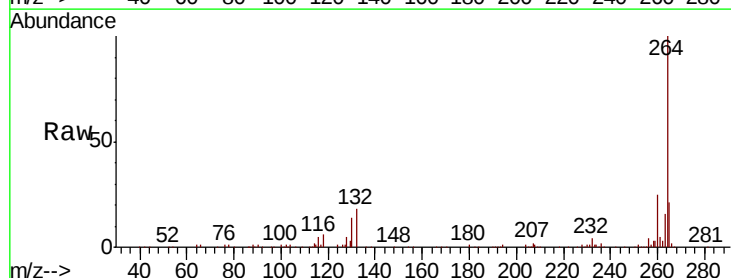
Tgt Ion:264 Resp: 259786

Ion Ratio Lower Upper

264 100

260 24.7 20.6 30.8

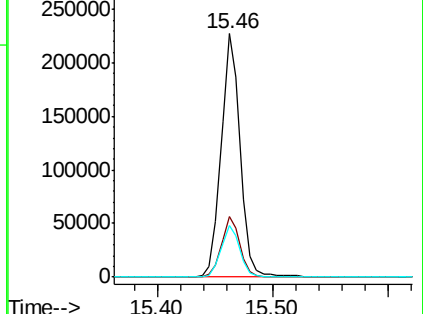
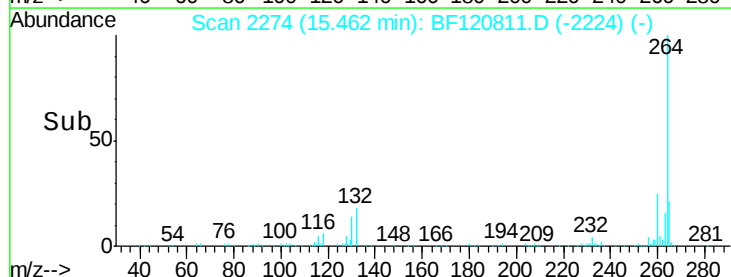
265 21.2 17.6 26.4



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

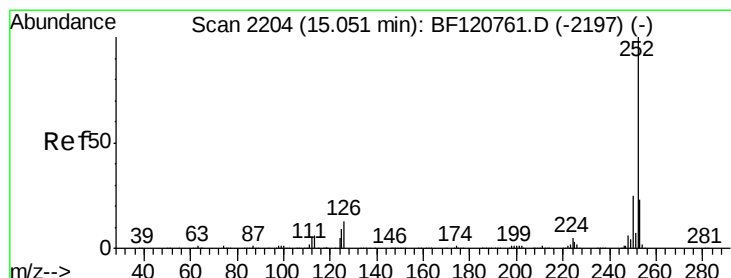
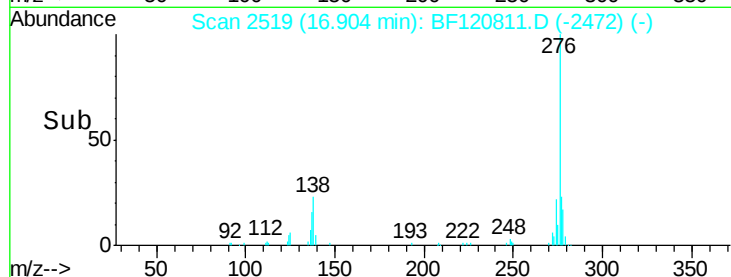
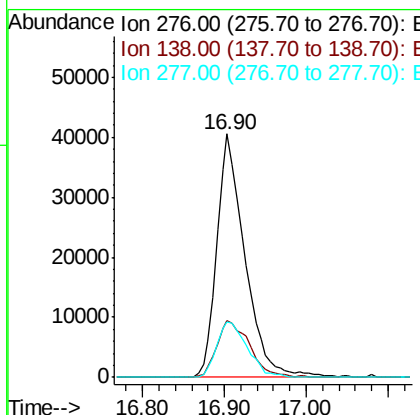
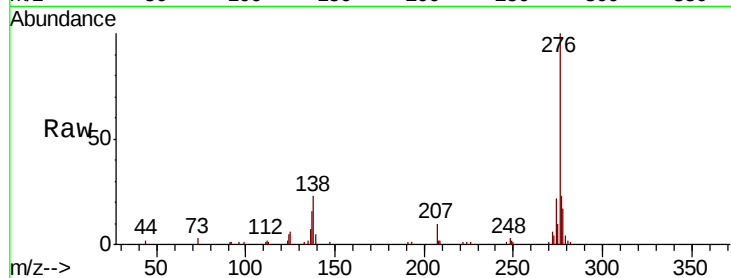




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.842 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

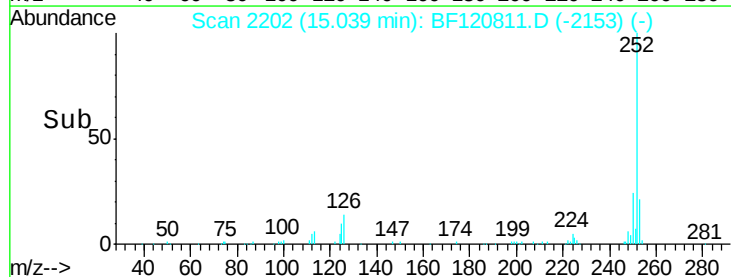
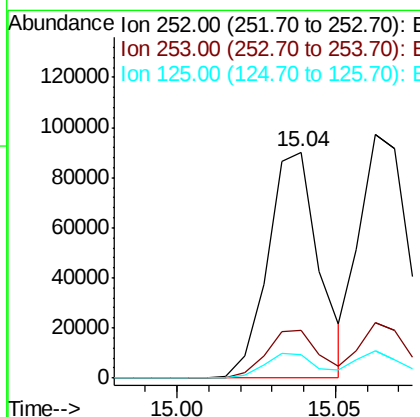
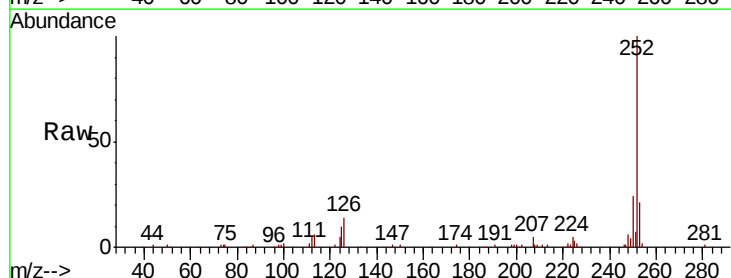
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

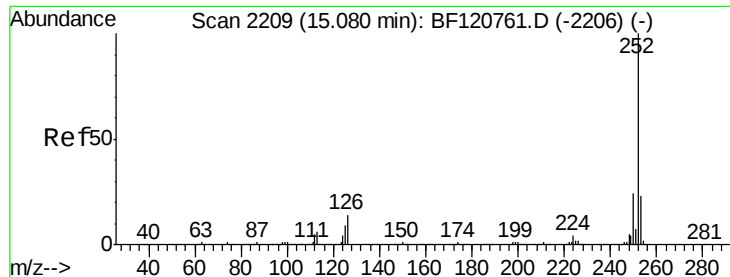
Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	27.1	19.8	29.8	
277	24.6	19.9	29.9	



#88
 Benzo(b)fluoranthene
 Concen: 5.942 ng
 RT: 15.04 min Scan# 2202
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion	Ion	Ratio	Lower	Upper
252	100			
253	21.1	18.0	27.0	
125	10.4	7.5	11.3	

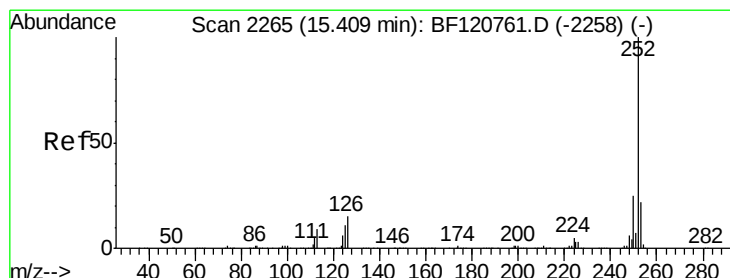
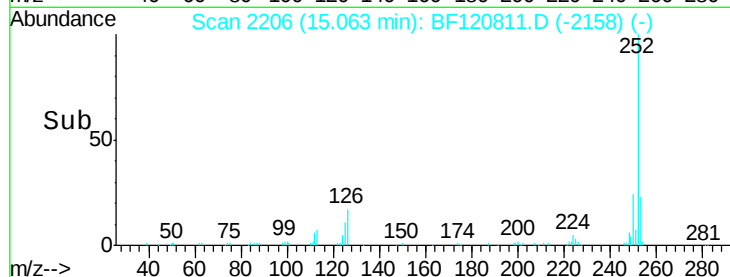
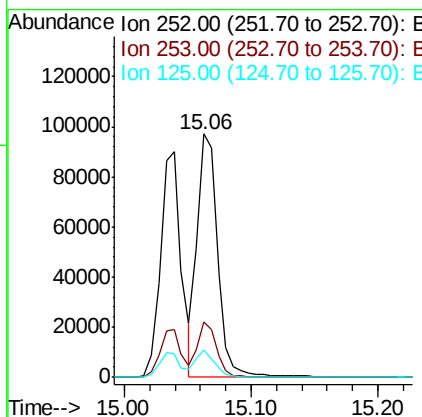
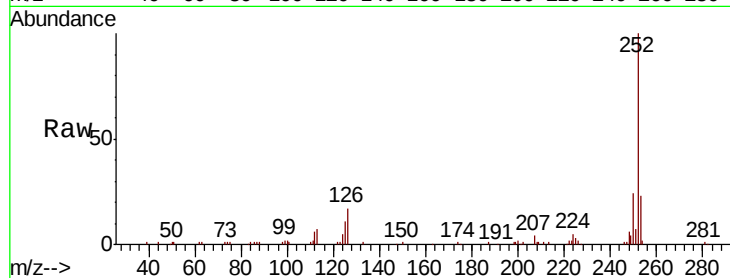




#89
Benzo(k)fluoranthene
Concen: 6.539 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

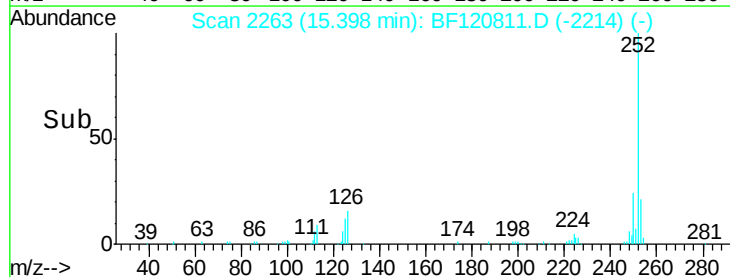
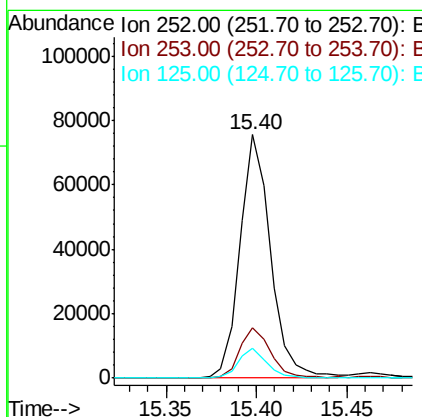
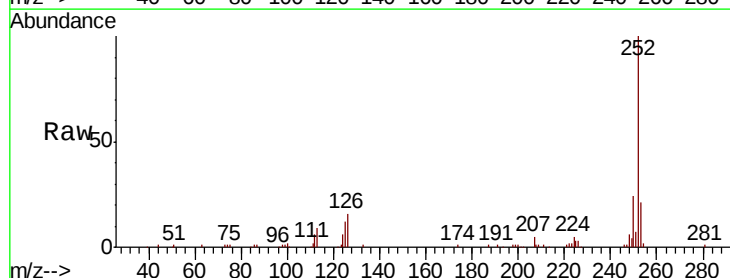
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

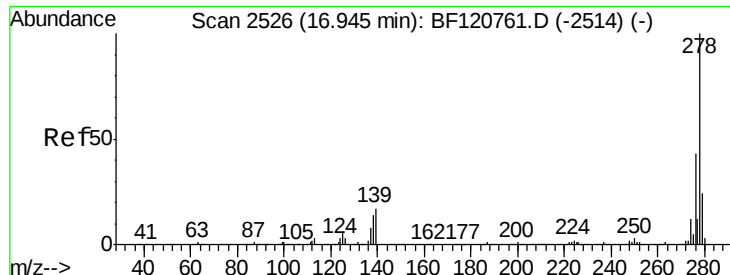
Tot Ion:252 Resp: 108672
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 11.3 7.6 11.4



#90
Benzo(a)pyrene
Concen: 5.825 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion:252 Resp: 88742
Ion Ratio Lower Upper
252 100
253 20.8 17.4 26.0
125 12.1 9.2 13.8

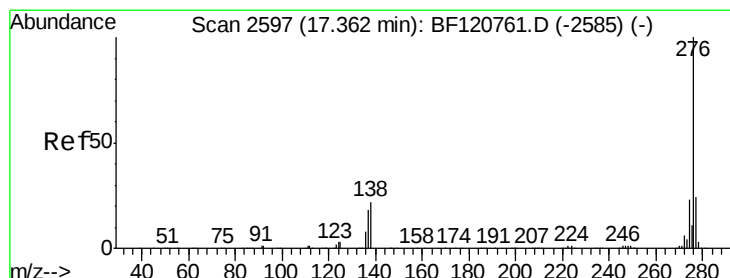
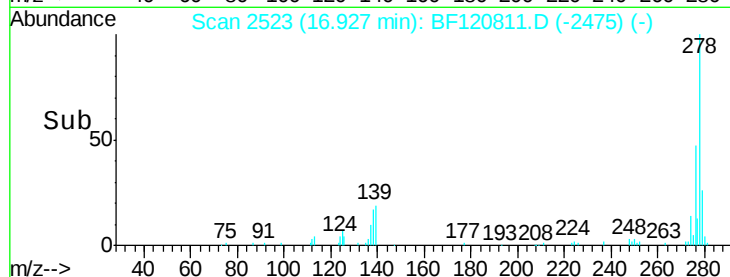
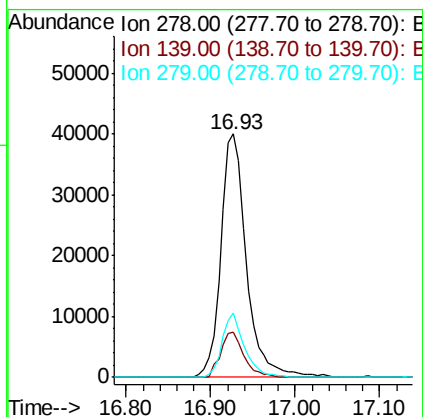
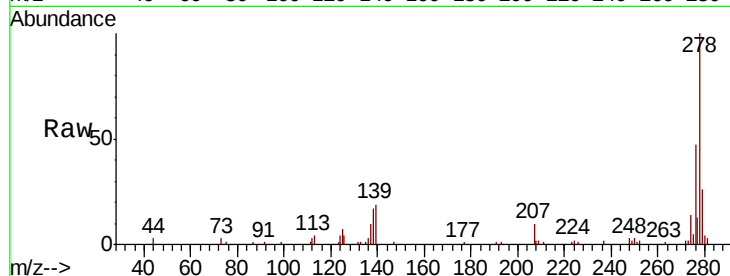




#91
Dibenzo(a,h)anthracene
Concen: 6.017 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.02 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:278 Resp: 83567
Ion Ratio Lower Upper
278 100
139 18.6 13.3 19.9
279 26.5 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 6.409 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.02 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion:276 Resp: 81349
Ion Ratio Lower Upper
276 100
277 23.0 18.8 28.2
138 23.4 17.4 26.2

