

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061220\
 Data File : BF120613.D
 Acq On : 12 Jun 2020 16:16
 Operator : JU/CG
 Sample : L2182-01
 Misc : LOD-MDL-SOIL-8PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Quant Time: Jun 12 17:01:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	145277	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	547224	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	283846	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	543813	20.00	ng	0.00
76) Chrysene-d12	13.95	240	446372	20.00	ng	-0.01
86) Perylene-d12	15.39	264	505008	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1228177	144.94	ng	0.00
7) Phenol-d6	6.43	99	1566176	148.40	ng	0.00
23) Nitrobenzene-d5	7.36	82	970156	99.10	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	490378	148.59	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1781909	96.05	ng	0.00
79) Terphenyl-d14	12.90	244	2017888	99.86	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.46	88	29195	7.269	ng	98
3) Pyridine	3.27	79	62977	5.578	ng	98
4) n-Nitrosodimethylamine	3.14	42	34516	7.367	ng	94
6) Aniline	6.46	93	113460	8.400	ng	99
8) 2-Chlorophenol	6.58	128	74151	7.744	ng	92
9) Benzaldehyde	6.35	77	62994	9.437	ng	97
10) Phenol	6.45	94	94265	8.371	ng	93
11) bis(2-Chloroethyl)ether	6.53	93	72946	7.777	ng	97
12) 1,3-Dichlorobenzene	6.74	146	79838	7.843	ng	98
13) 1,4-Dichlorobenzene	6.82	146	81678	8.132	ng	99
14) 1,2-Dichlorobenzene	6.97	146	75659	7.733	ng	98
15) Benzyl Alcohol	6.93	79	70183	9.377	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.07	45	106543	7.889	ng	99
17) 2-Methylphenol	7.05	107	58862	7.207	ng	99
18) Hexachloroethane	7.31	117	29185	7.886	ng	92
19) n-Nitroso-di-n-propylamine	7.20	70	51746	8.453	ng	96
20) 3+4-Methylphenols	7.20	107	76217	7.468	ng	# 69
22) Acetophenone	7.20	105	108637	8.880	ng	96
24) Nitrobenzene	7.37	77	82293	8.033	ng	89
25) Isophorone	7.61	82	142596	7.477	ng	# 93
26) 2-Nitrophenol	7.69	139	36008	6.644	ng	99
27) 2,4-Dimethylphenol	7.73	122	55147	6.910	ng	98
28) bis(2-Chloroethoxy)methane	7.83	93	90595	8.195	ng	98
29) 2,4-Dichlorophenol	7.93	162	60274	7.430	ng	97
30) 1,2,4-Trichlorobenzene	8.02	180	69685	7.752	ng	98
31) Naphthalene	8.10	128	232054	8.636	ng	99
32) Benzoic acid	7.80	122	18766	3.065	ng	96
33) 4-Chloroaniline	8.15	127	92539	7.503	ng	97
34) Hexachlorobutadiene	8.22	225	40358	7.702	ng	98
35) Caprolactam	8.48	113	20383	7.856	ng	# 82
36) 4-Chloro-3-methylphenol	8.63	107	63029	7.777	ng	96
37) 2-Methylnaphthalene	8.79	142	150992	8.608	ng	98
38) 1-Methylnaphthalene	8.89	142	144110	8.731	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	72480	8.552	ng	99

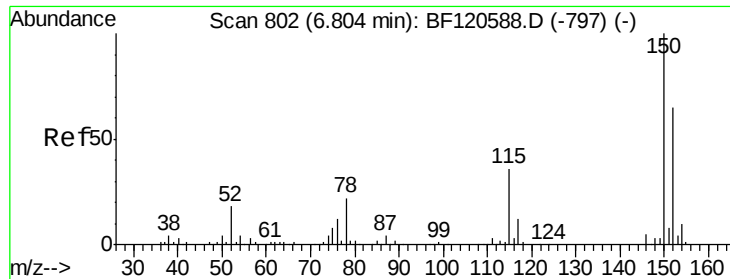
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061220\
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 Acq On : 12 Jun 2020 16:16
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Quant Time: Jun 12 17:01:02 2020
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	27190	5.725	nq	99
43) 2,4,6-Trichlorophenol	9.07	196	42746	7.110	nq	98
44) 2,4,5-Trichlorophenol	9.11	196	45415	6.658	nq	98
46) 1,1'-Biphenyl	9.25	154	193298	9.120	nq	96
47) 2-Chloronaphthalene	9.28	162	139510	8.049	nq	99
48) 2-Nitroaniline	9.37	65	39337	7.227	nq	92
49) Acenaphthylene	9.69	152	224253	8.384	nq	98
50) Dimethylphthalate	9.55	163	161784	7.914	nq	98
51) 2,6-Dinitrotoluene	9.61	165	32498	7.015	nq	95
52) Acenaphthene	9.86	154	137120	8.595	nq	99
53) 3-Nitroaniline	9.78	138	36698	6.595	nq	98
54) 2,4-Dinitrophenol	9.89	184	9019	3.631	nq	# 84
55) Dibenzofuran	10.03	168	206218	8.430	nq	98
56) 4-Nitrophenol	9.94	139	24945	5.952	nq	94
57) 2,4-Dinitrotoluene	10.02	165	42646	6.937	nq	98
58) Fluorene	10.37	166	155288	8.235	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.15	232	37036	6.902	nq	97
60) Diethylphthalate	10.25	149	158922	7.893	nq	99
61) 4-Chlorophenyl-phenylether	10.37	204	79648	8.179	nq	99
62) 4-Nitroaniline	10.39	138	37867	6.855	nq	100
63) Azobenzene	10.53	77	154853	8.473	nq	99
65) 4,6-Dinitro-2-methylphenol	10.42	198	16923	5.186	nq	99
66) n-Nitrosodiphenylamine	10.49	169	137722	8.247	nq	97
67) 4-Bromophenyl-phenylether	10.86	248	47822	7.748	nq	98
68) Hexachlorobenzene	10.93	284	52732	7.947	nq	97
69) Atrazine	11.01	200	44755	8.660	nq	96
70) Pentachlorophenol	11.12	266	18207	4.935	nq	95
71) Phenanthrene	11.34	178	230459	8.525	nq	99
72) Anthracene	11.39	178	233252	8.560	nq	99
73) Carbazole	11.55	167	215567	7.992	nq	98
74) Di-n-butylphthalate	11.87	149	253296	8.353	nq	99
75) Fluoranthene	12.52	202	254917	8.248	nq	99
77) Benzidine	12.64	184	133718	8.858	nq	96
78) Pyrene	12.75	202	262198	8.292	nq	99
80) Butylbenzylphthalate	13.37	149	101872	7.255	nq	97
81) Benzo(a)anthracene	13.94	228	237131	8.842	nq	99
82) 3,3'-Dichlorobenzidine	13.90	252	95623	9.335	nq	98
83) Chrysene	13.97	228	232662	8.458	nq	99
84) Bis(2-ethylhexyl)phthalate	13.93	149	147540	8.610	nq	99
85) Di-n-octyl phthalate	14.54	149	253805	7.761	nq	99
87) Indeno(1,2,3-cd)pyrene	16.79	276	259407	8.445	nq	99
88) Benzo(b)fluoranthene	14.97	252	231655	7.701	nq	96
89) Benzo(k)fluoranthene	15.00	252	224410	8.431	nq	99
90) Benzo(a)pyrene	15.32	252	204242	7.586	nq	98
91) Dibenzo(a,h)anthracene	16.81	278	220322	8.944	nq	98
92) Benzo(g,h,i)perylene	17.22	276	219880	8.856	nq	99

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

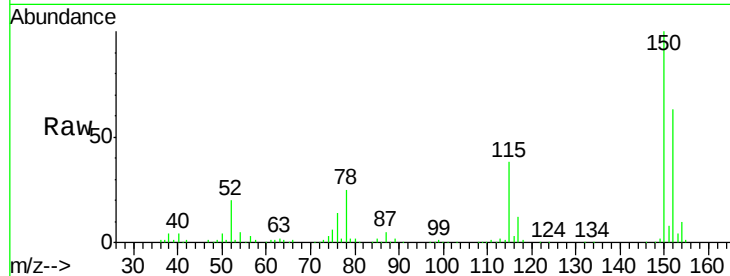


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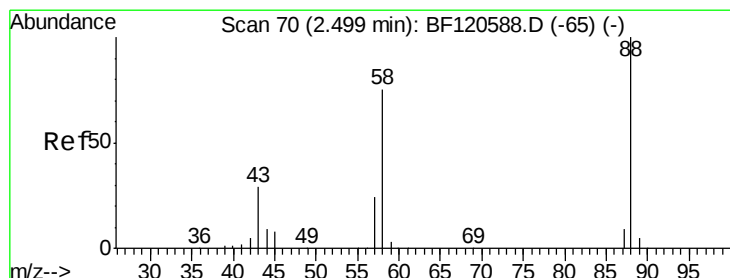
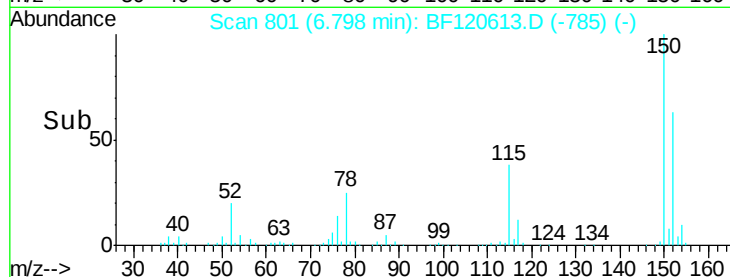
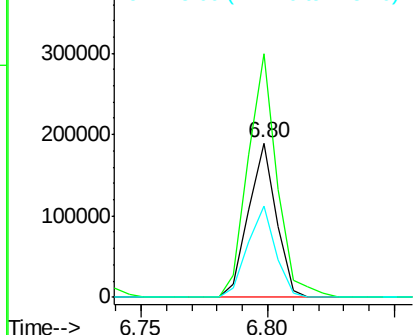
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:152 Resp: 145277
Ion Ratio Lower Upper
152 100
150 157.9 123.2 184.8
115 59.4 43.9 65.9



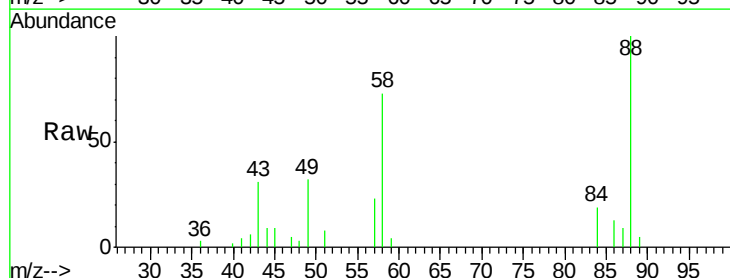
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



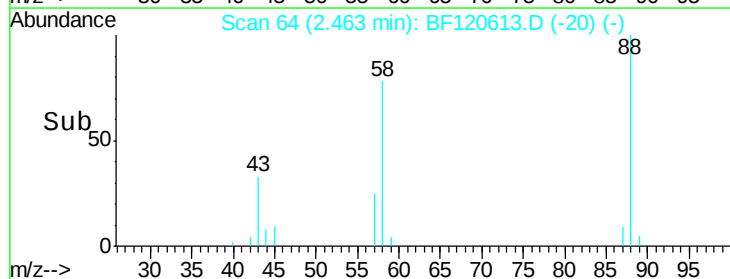
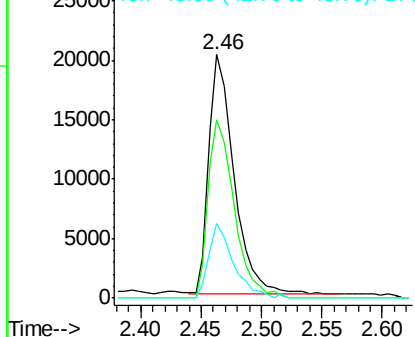
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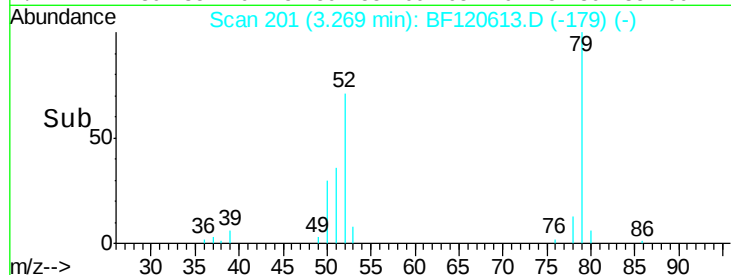
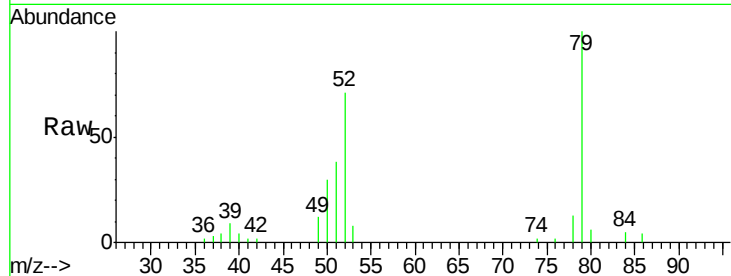
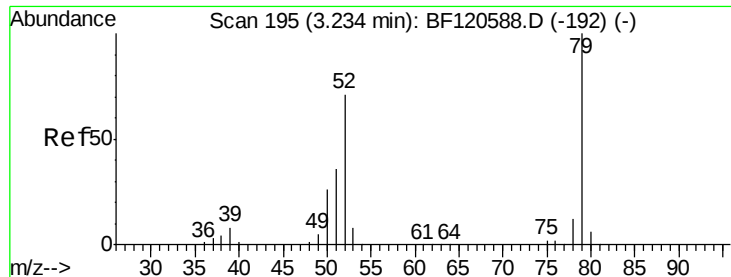
1,4-Dioxane
Concen: 7.269 ng
RT: 2.46 min Scan# 64
Delta R.T. -0.04 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt Ion: 88 Resp: 29195
Ion Ratio Lower Upper
88 100
58 76.3 59.6 89.4
43 30.5 23.1 34.7



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

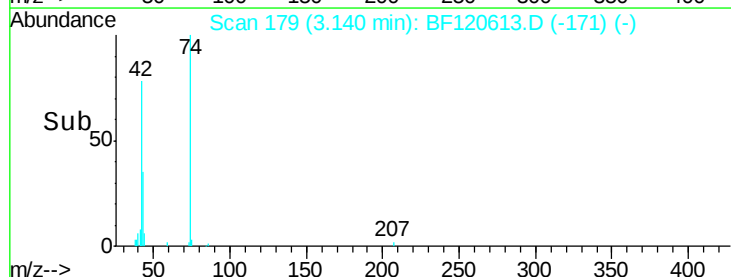
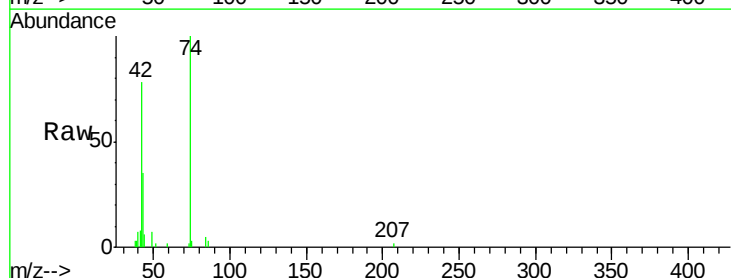
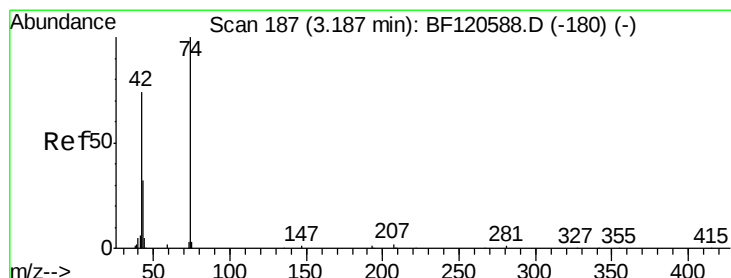
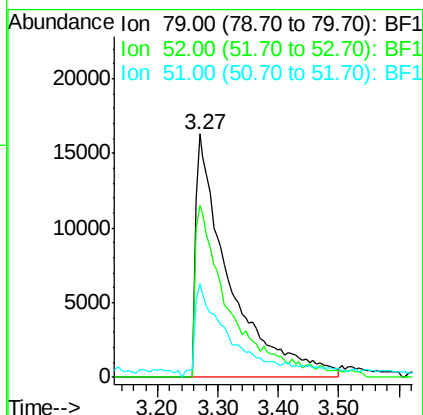




#3
 Pvridine
 Concen: 5.578 ng
 RT: 3.27 min Scan# 201
 Delta R.T. 0.03 min
 Lab File: BF120613.D
 Acq: 12 Jun 2020 16:16

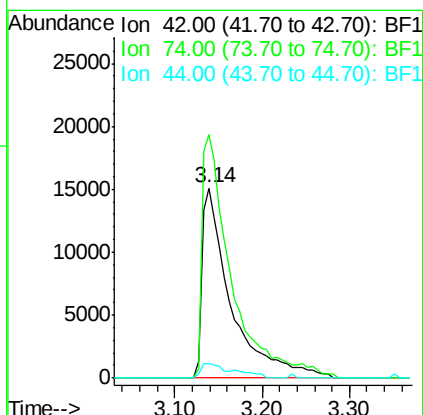
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

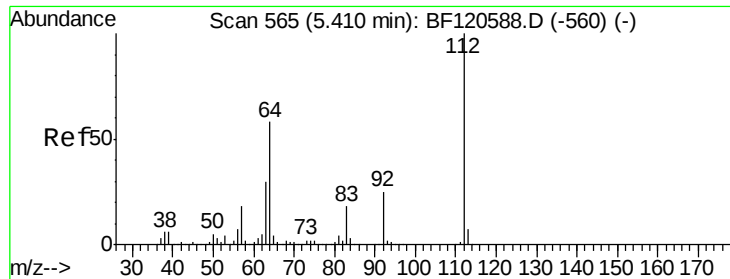
Tot Ion	Ratio	Lower	Upper
79	100		
52	70.7	57.0	85.6
51	38.4	28.5	42.7



#4
 n-Nitrosodimethylamine
 Concen: 7.367 ng
 RT: 3.14 min Scan# 179
 Delta R.T. -0.05 min
 Lab File: BF120613.D
 Acq: 12 Jun 2020 16:16

Tgt Ion	Ratio	Lower	Upper
42	100		
74	127.9	107.8	161.6
44	7.6	5.1	7.7





#5

2-Fluorophenol

Concen: 144.940 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

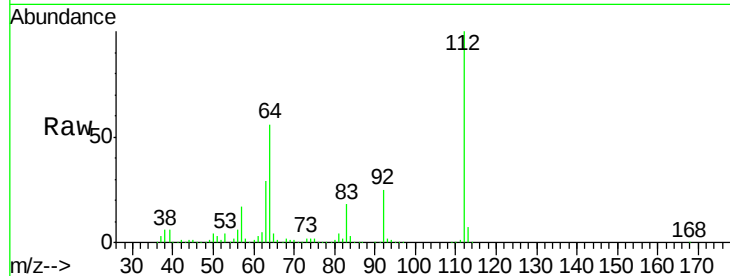
Tot Ion:112 Resp: 1228177

Ion Ratio Lower Upper

112 100

64 55.6 46.1 69.1

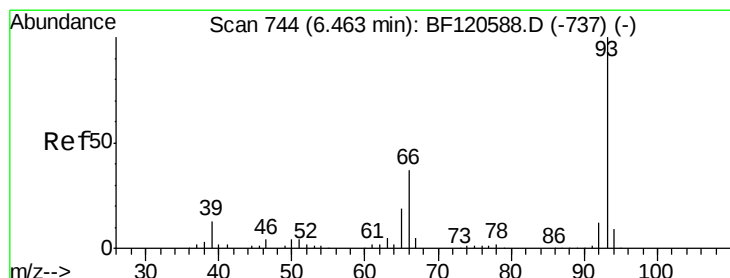
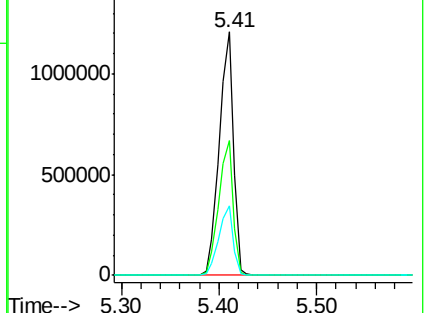
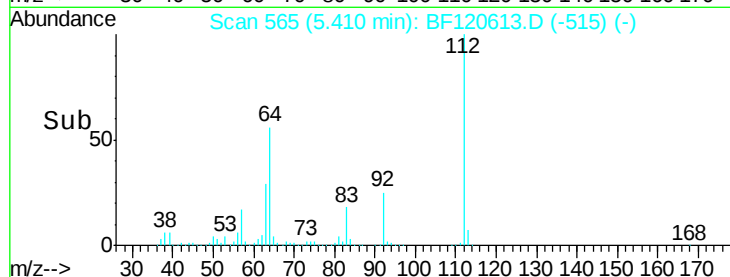
63 28.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 8.400 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

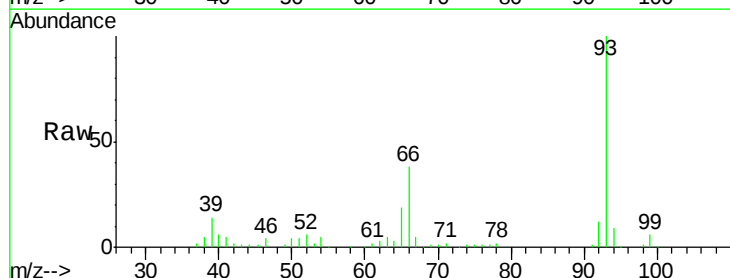
Tgt Ion: 93 Resp: 113460

Ion Ratio Lower Upper

93 100

66 38.1 30.9 46.3

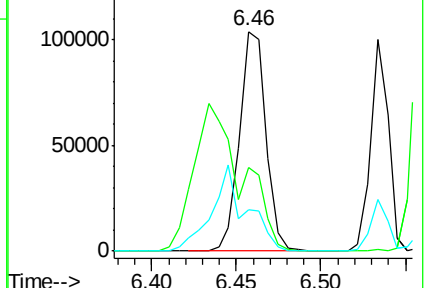
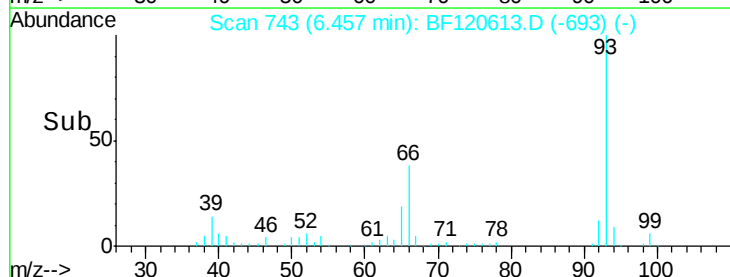
65 19.1 15.9 23.9

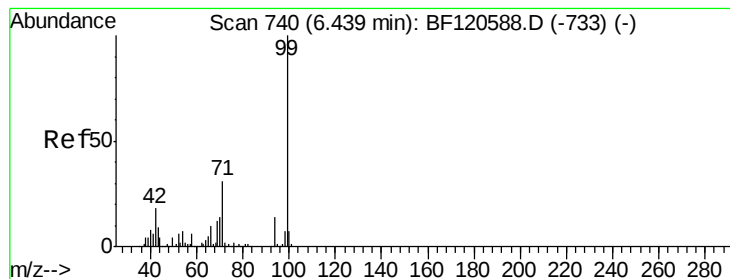


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 148.397 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

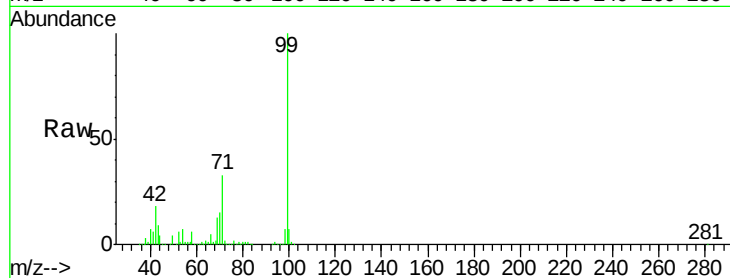
Tot Ion: 99 Resp: 1566176

Ion Ratio Lower Upper

99 100

42 18.2 14.0 21.0

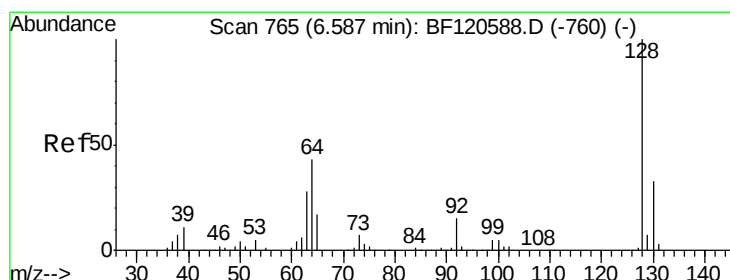
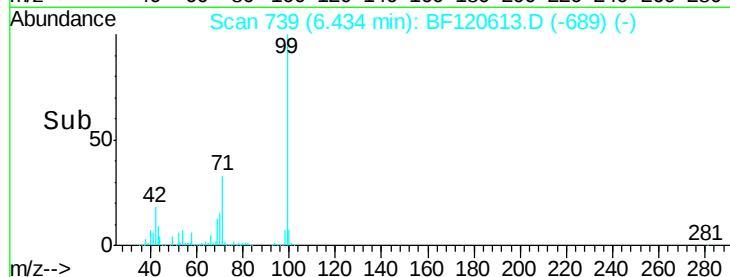
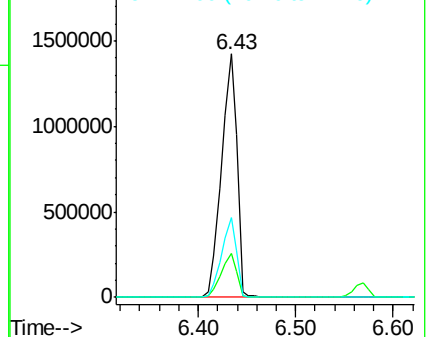
71 32.7 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 7.744 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

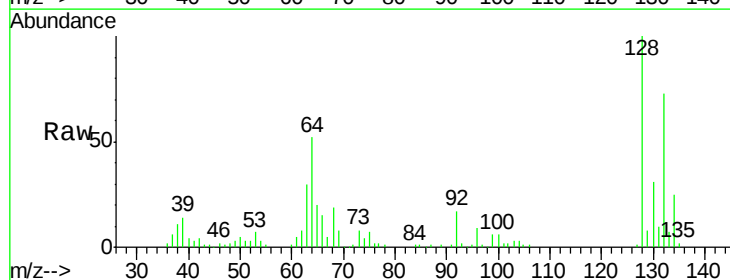
Tgt Ion:128 Resp: 74151

Ion Ratio Lower Upper

128 100

130 30.8 12.6 52.6

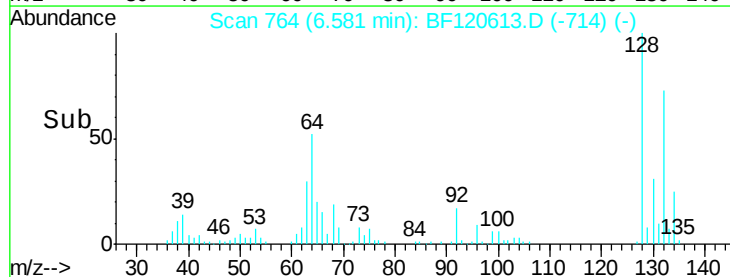
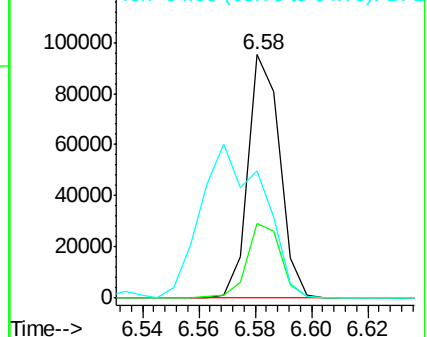
64 52.1 24.3 64.3

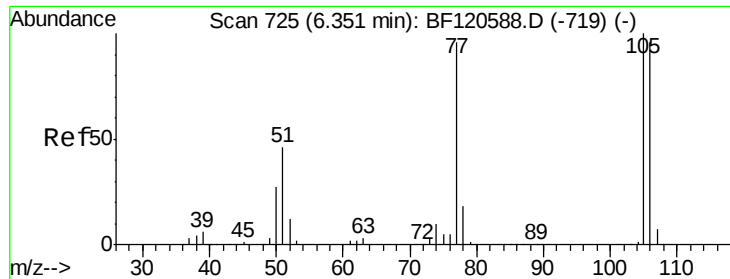


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1

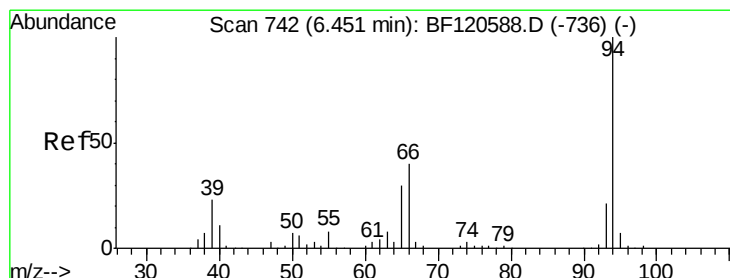
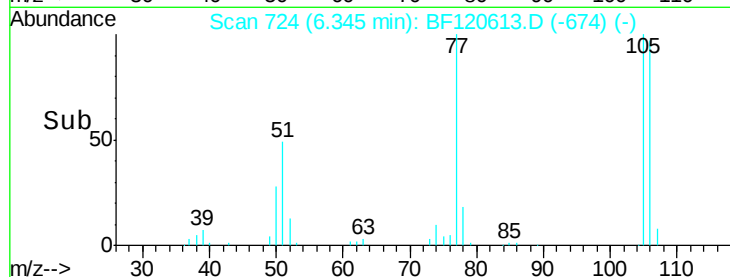
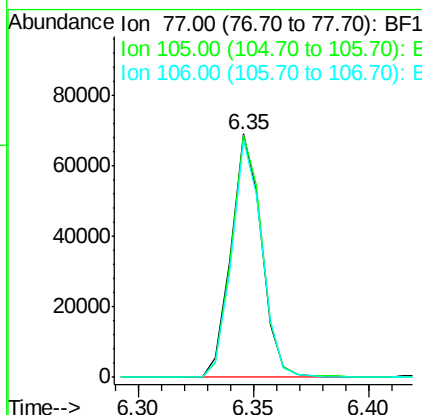
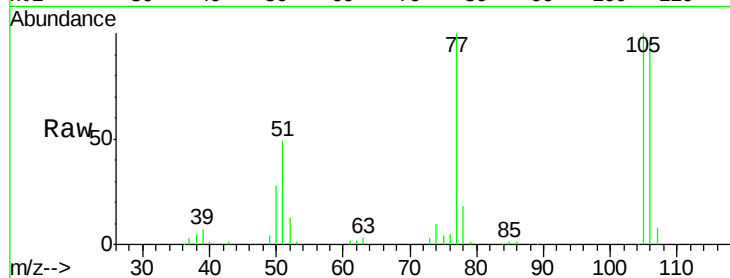




#9
Benzaldehyde
Concen: 9.437 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

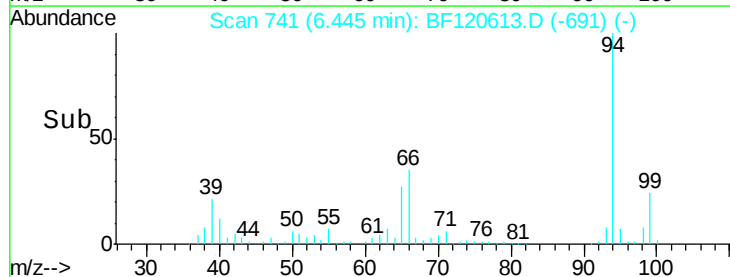
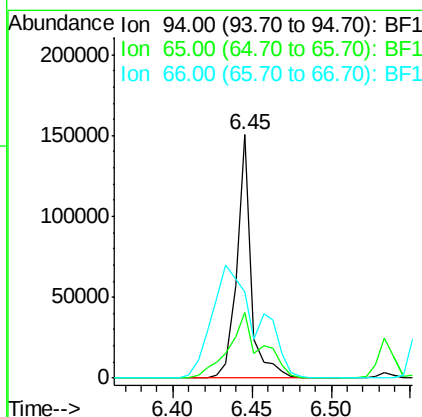
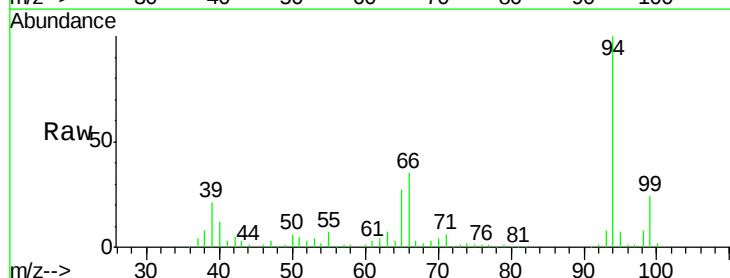
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

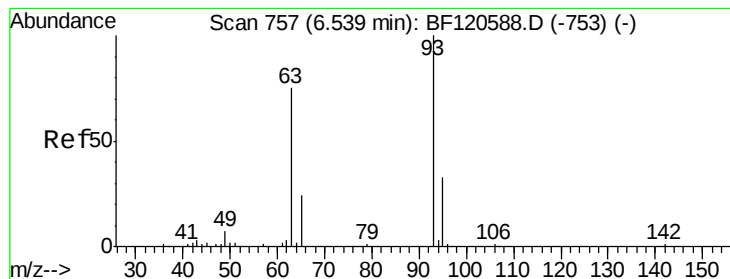
Tot Ion: 77 Resp: 62994
Ion Ratio Lower Upper
77 100
105 99.7 83.8 123.8
106 97.4 79.3 119.3



#10
Phenol
Concen: 8.371 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt Ion: 94 Resp: 94265
Ion Ratio Lower Upper
94 100
65 27.0 9.9 49.9
66 35.1 20.1 60.1





#11

bis(2-Chloroethyl)ether

Concen: 7.777 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

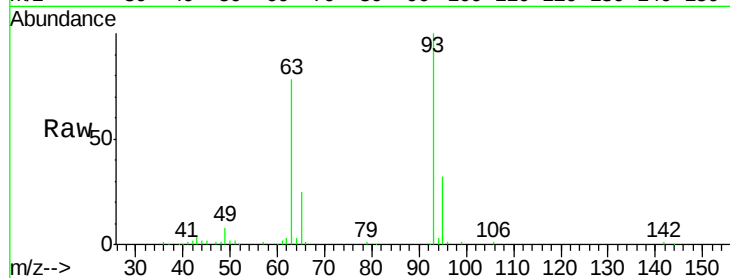
Tot Ion: 93 Resp: 72946

Ion Ratio Lower Upper

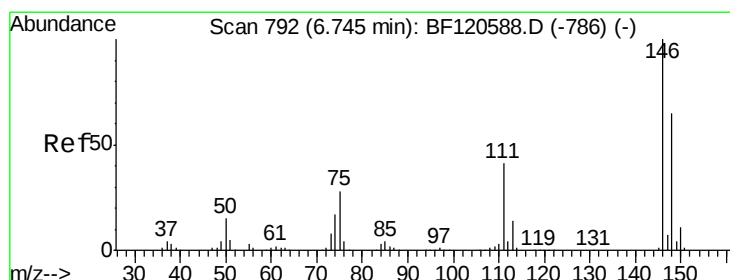
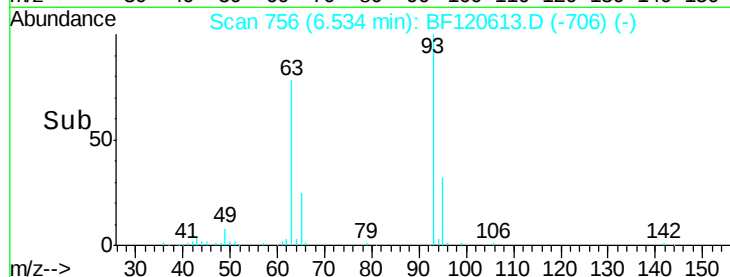
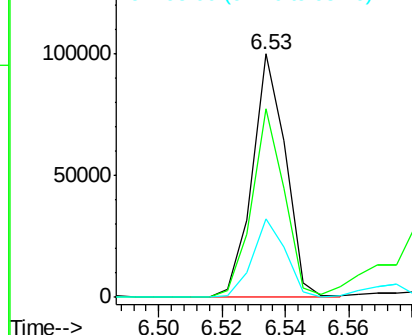
93 100

63 77.6 54.4 94.4

95 32.1 12.9 52.9



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 7.843 ng

RT: 6.74 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

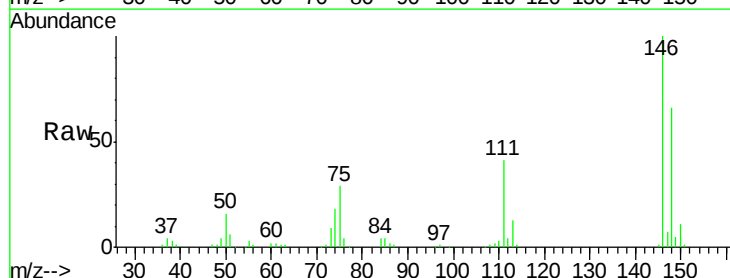
Tgt Ion: 146 Resp: 79838

Ion Ratio Lower Upper

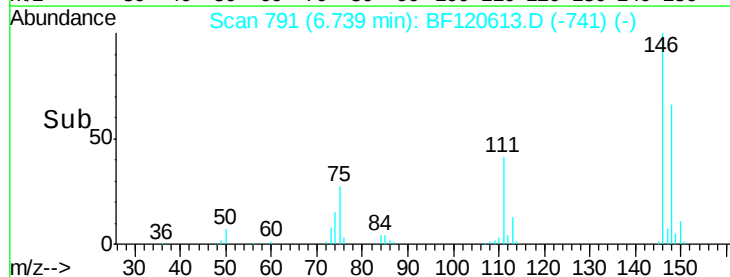
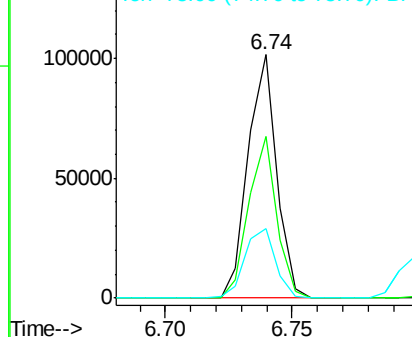
146 100

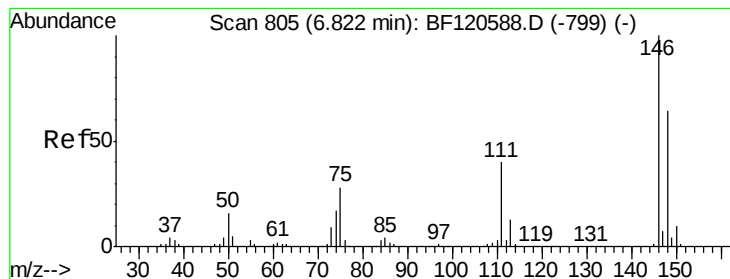
148 66.2 51.8 77.6

75 28.6 22.2 33.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 8.132 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

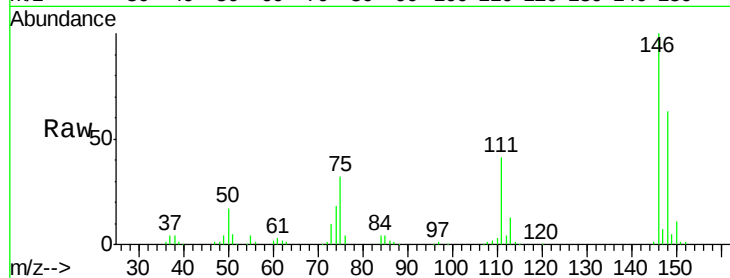
Tot Ion:146 Resp: 81678

Ion Ratio Lower Upper

146 100

148 63.0 51.5 77.3

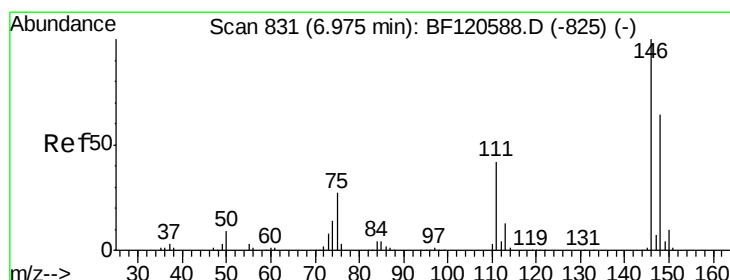
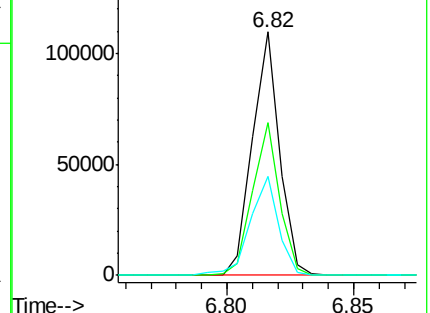
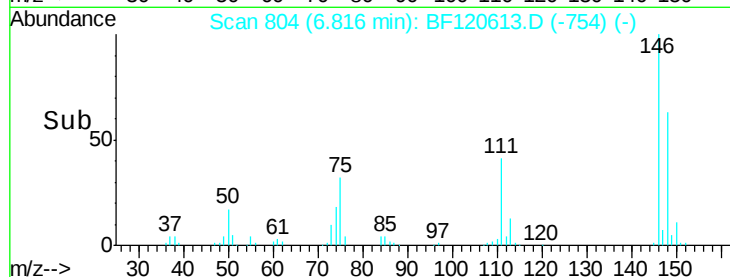
111 40.7 32.2 48.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 7.733 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

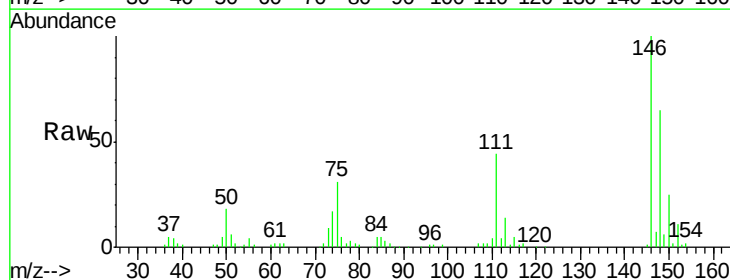
Tgt Ion:146 Resp: 75659

Ion Ratio Lower Upper

146 100

148 64.9 50.8 76.2

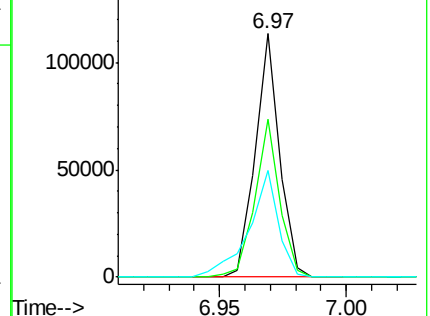
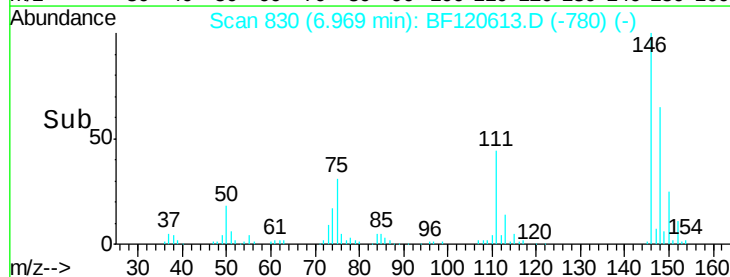
111 43.6 33.6 50.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 9.377 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

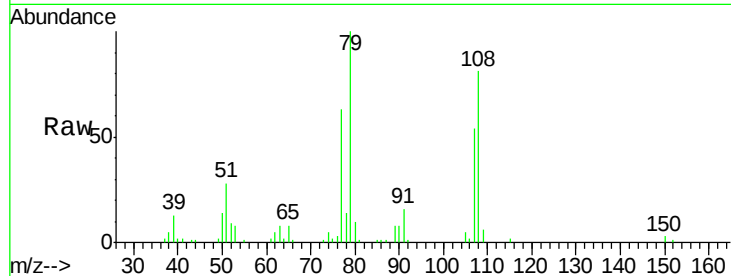
Tot Ion: 79 Resp: 70183

Ion Ratio Lower Upper

79 100

108 80.8 66.8 100.2

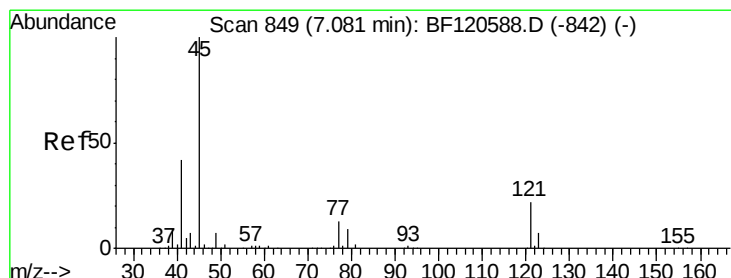
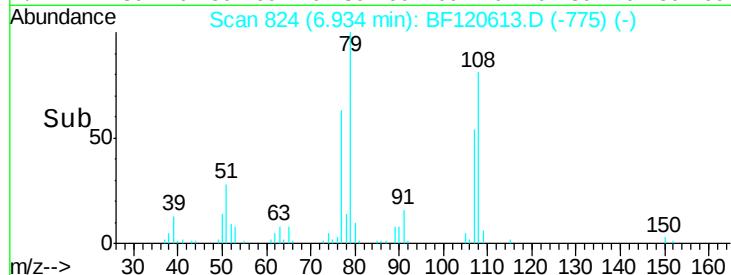
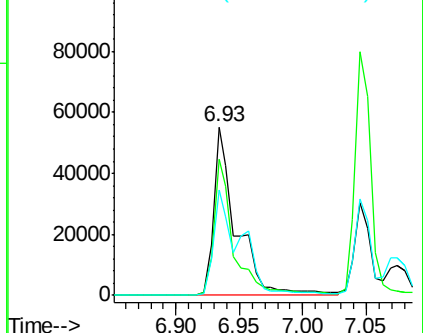
77 62.9 50.6 76.0



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: 7.889 ng

RT: 7.07 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

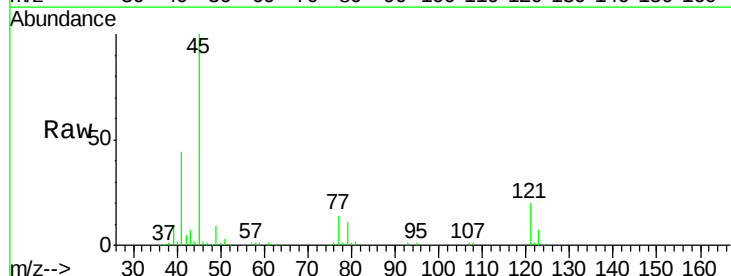
Tgt Ion: 45 Resp: 106543

Ion Ratio Lower Upper

45 100

77 13.5 0.0 34.2

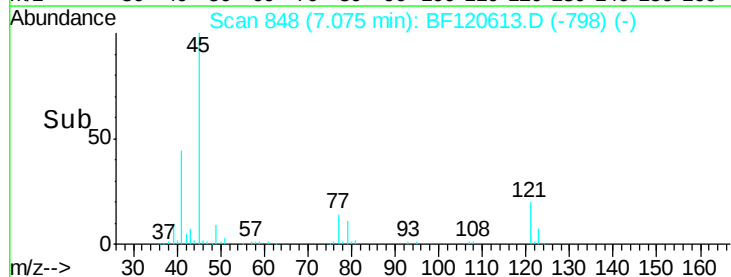
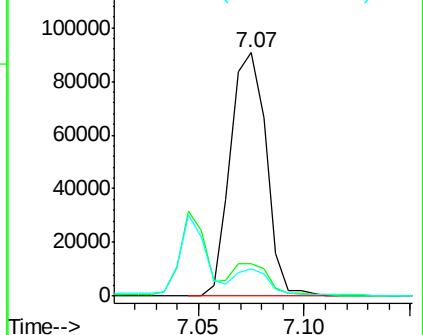
79 11.0 0.0 30.9

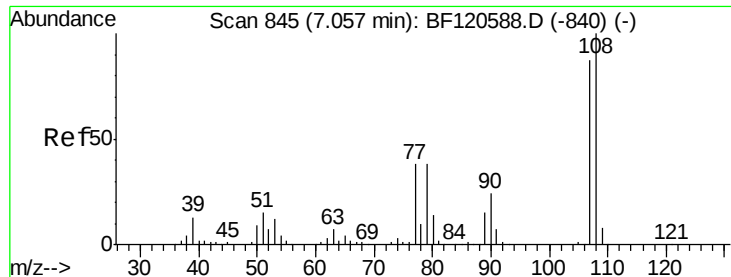


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 7.207 ng

RT: 7.05 min Scan# 843

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:107 Resp: 58862

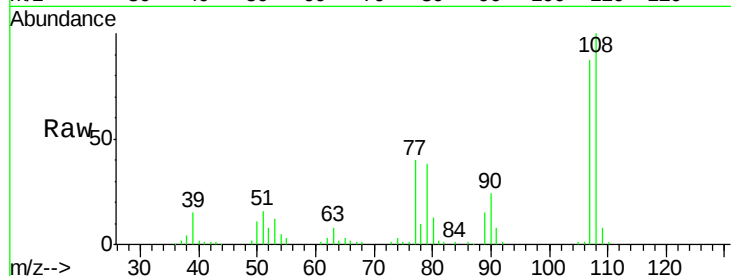
Ion Ratio Lower Upper

107 100

108 114.7 91.9 137.9

77 45.6 35.4 53.2

79 43.4 34.8 52.2

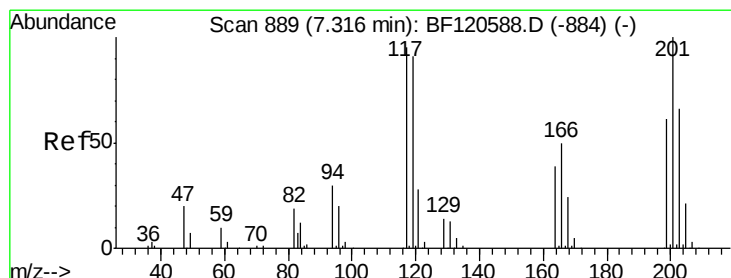
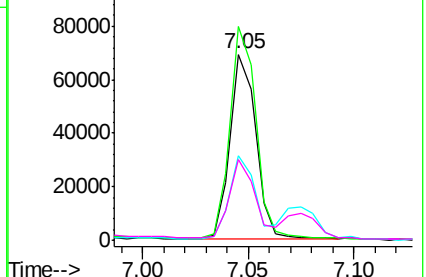
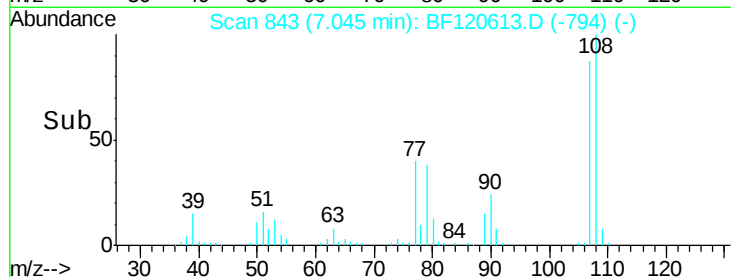


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 7.886 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

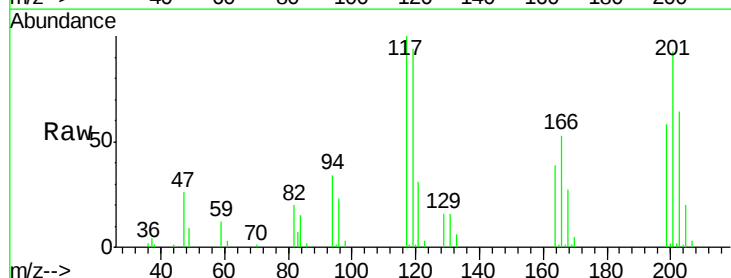
Tgt Ion:117 Resp: 29185

Ion Ratio Lower Upper

117 100

119 93.8 76.9 115.3

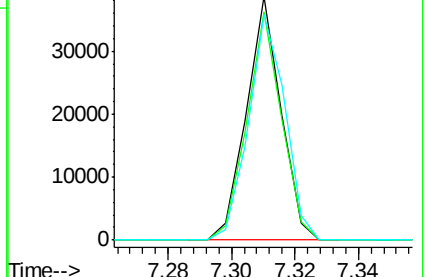
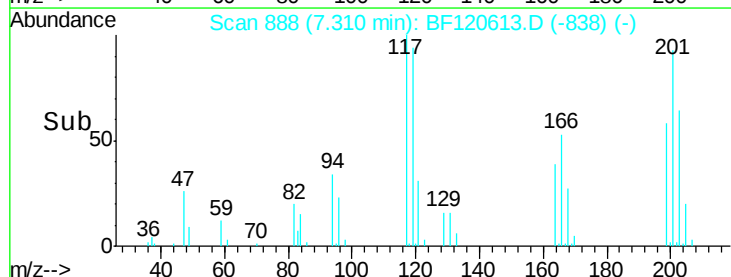
201 92.9 84.6 127.0

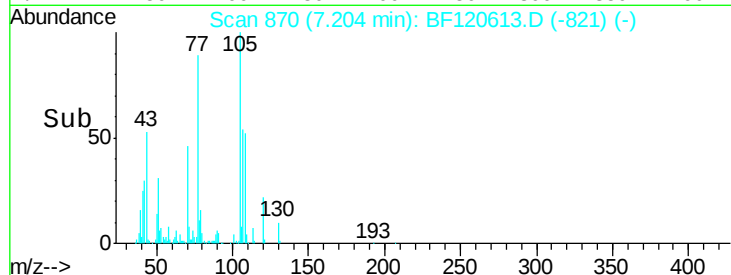
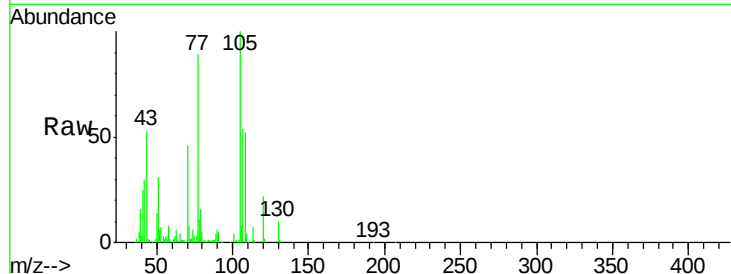
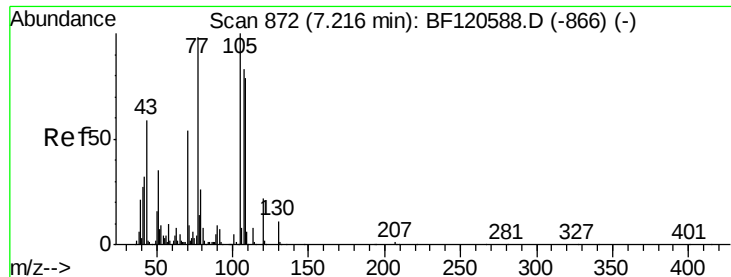


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

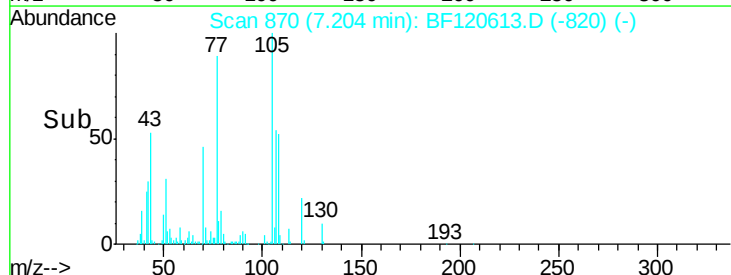
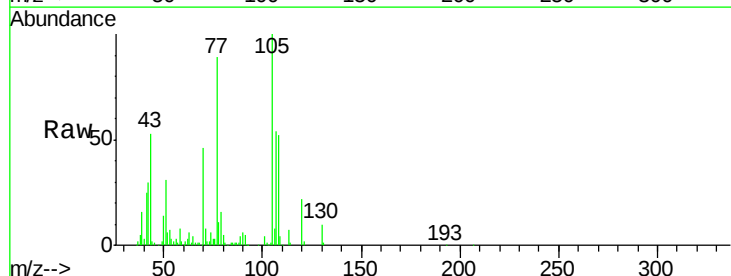
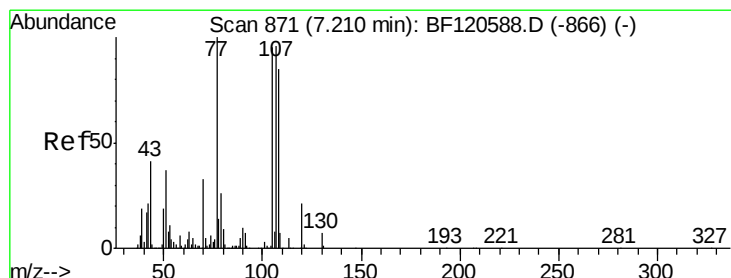
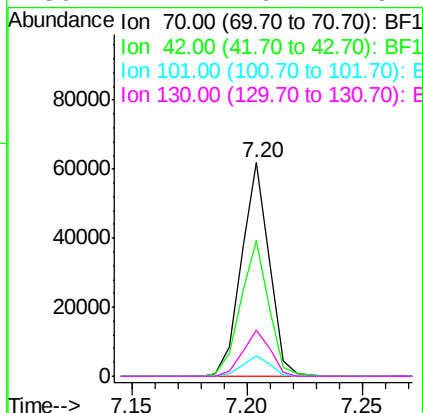




#19
n-Nitroso-di-n-propylamine
Concen: 8.453 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

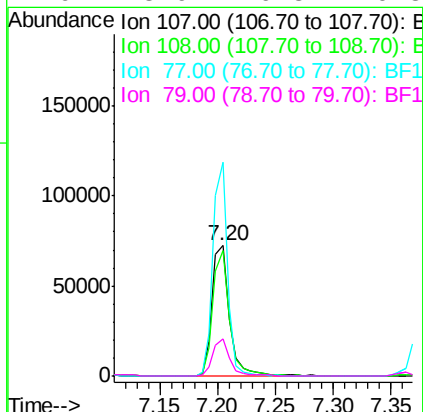
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	70	Resp:	51746
Ion	Ratio	Lower	Upper
70	100		
42	63.6	47.7	71.5
101	9.4	7.6	11.4
130	21.4	16.7	25.1



#20
3+4-Methylphenols
Concen: 7.468 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt Ion:	107	Resp:	76217
Ion	Ratio	Lower	Upper
107	100		
108	96.3	68.7	108.7
77	164.0	84.2	124.2#
79	28.9	6.8	46.8

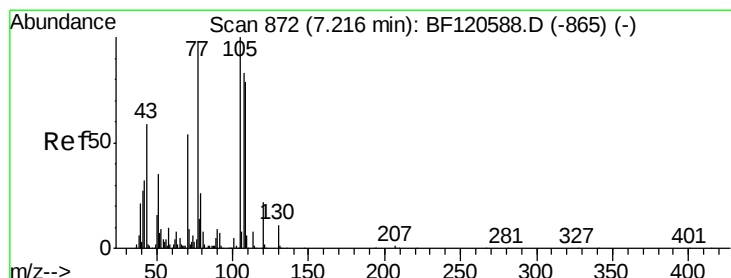
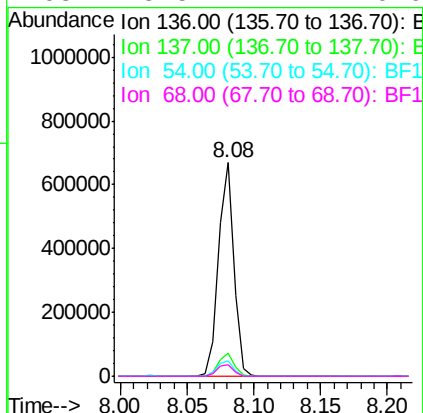
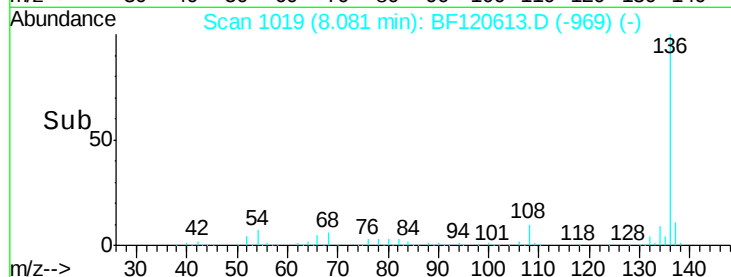
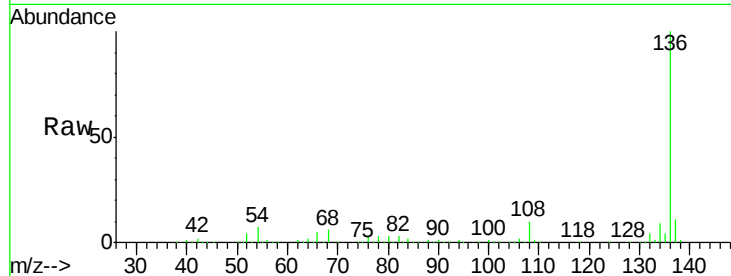




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

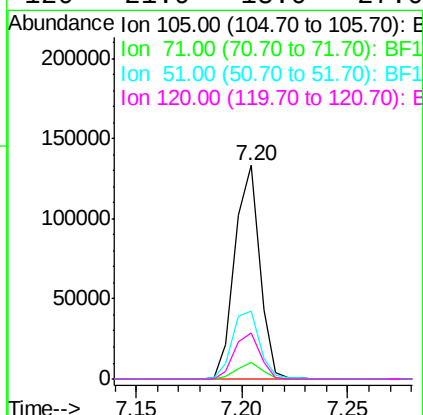
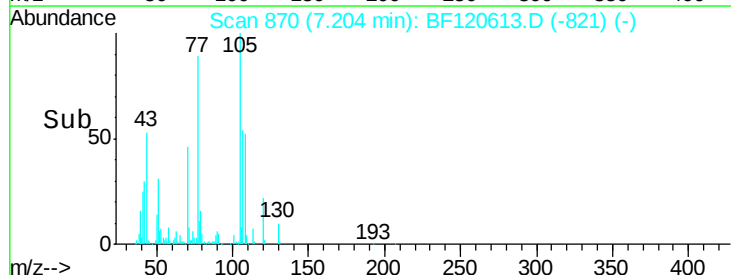
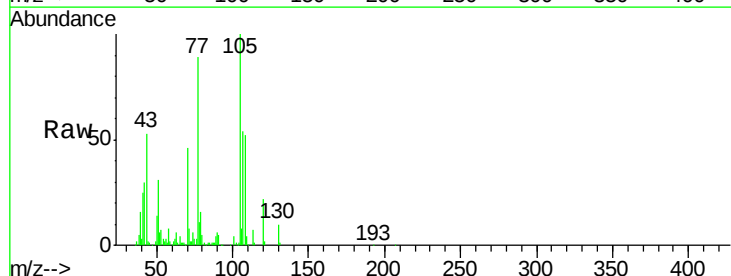
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

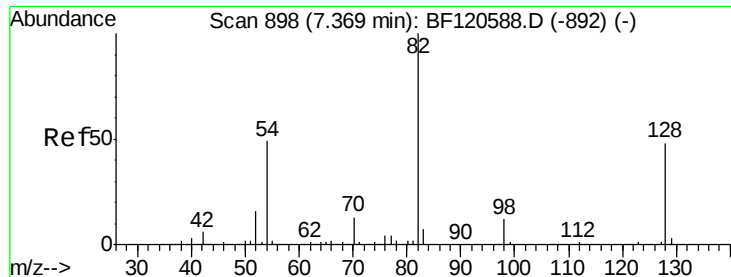
Tot Ion:136	Resp:	547224
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.6	13.0
54 7.4	5.8	8.6
68 5.5	4.4	6.6



#22
Acetophenone
Concen: 8.880 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt	Ion:105	Resp:	108637
Ion	Ratio	Lower	Upper
105	100		
71	7.6	7.2	10.8
51	31.5	27.8	41.8
120	21.9	18.0	27.0

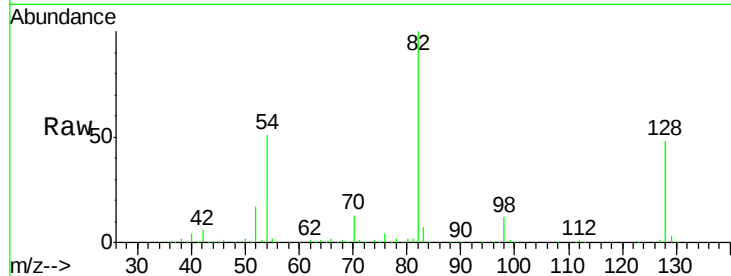




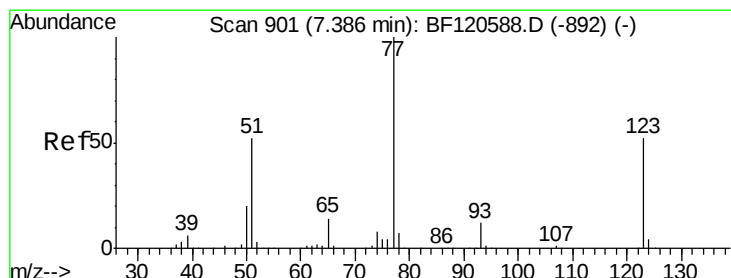
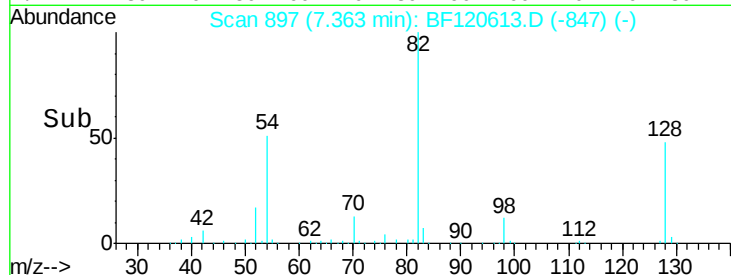
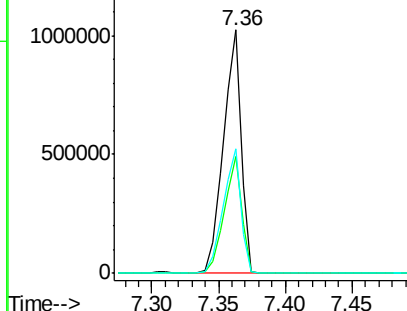
#23
Nitrobenzene-d5
Concen: 99.097 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	82	Resp	970156
Ion Ratio	Lower	Upper	
82	100		
128	48.1	38.0	57.0
54	51.0	38.8	58.2

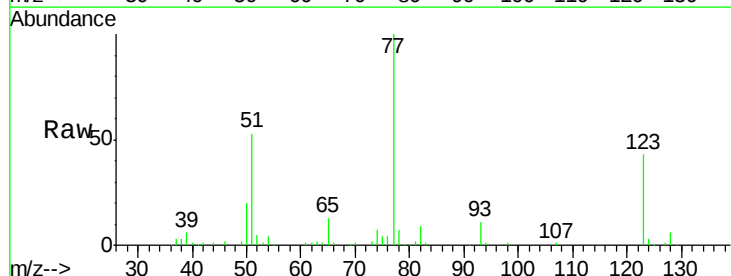


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

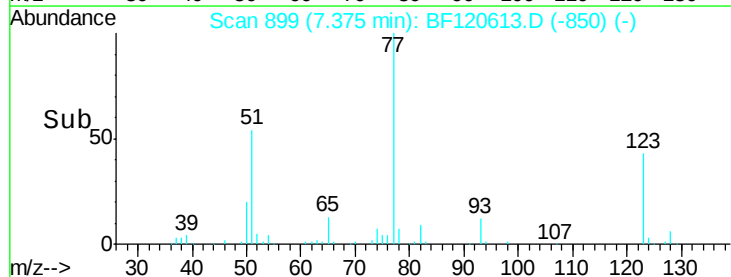
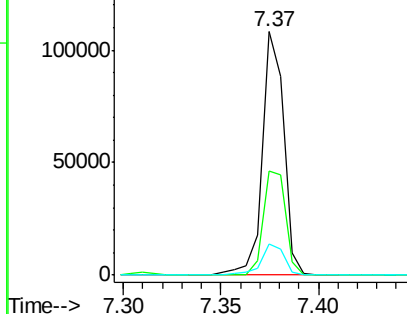


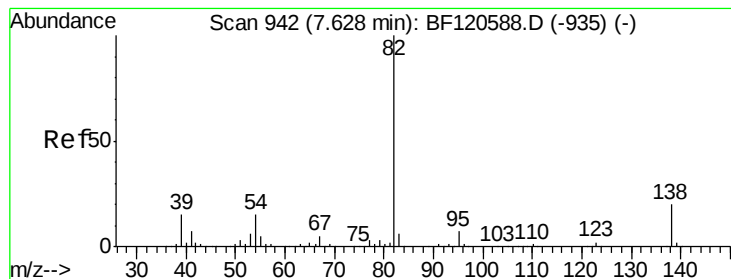
#24
Nitrobenzene
Concen: 8.033 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt Ion	77	Resp	82293
Ion Ratio	Lower	Upper	
77	100		
123	42.8	41.4	62.0
65	12.5	11.0	16.4



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





#25

Isophorone

Concen: 7.477 ng

RT: 7.61 min Scan# 939

Delta R.T. -0.02 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

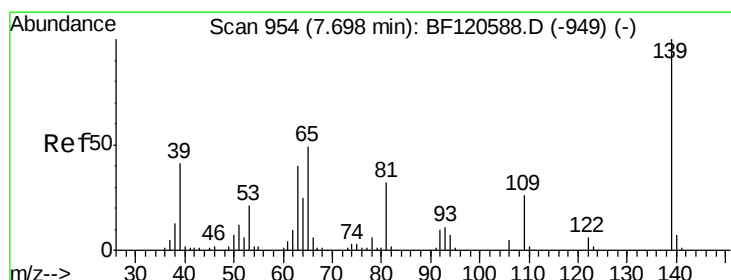
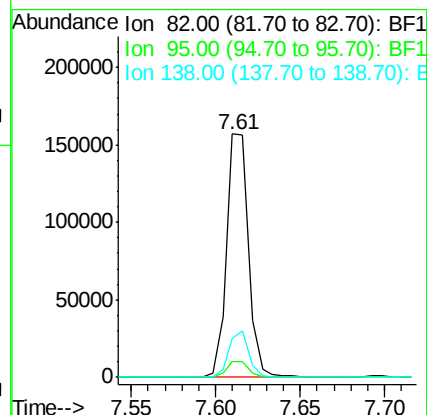
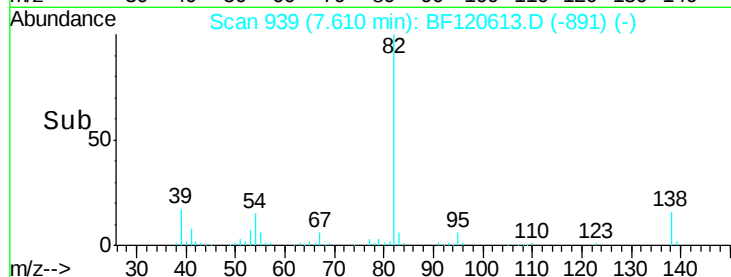
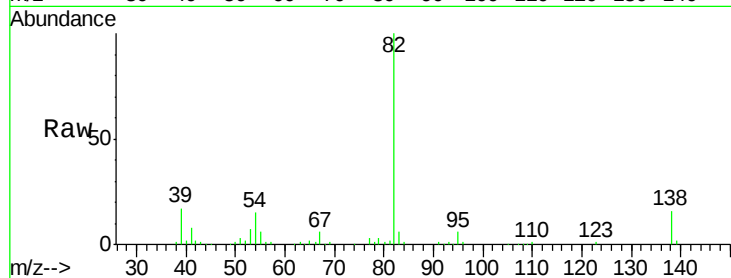
Tot Ion: 82 Resp: 142596

Ion Ratio Lower Upper

82 100

95 6.5 5.7 8.5

138 16.2 16.2 24.4#



#26

2-Nitrophenol

Concen: 6.644 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

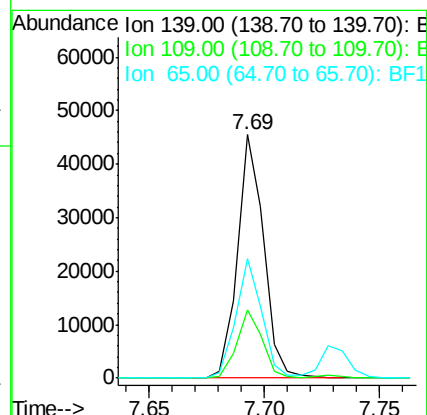
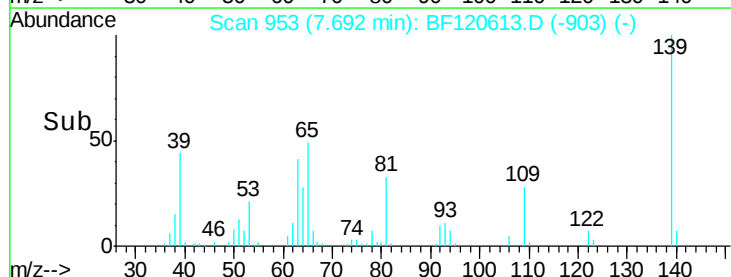
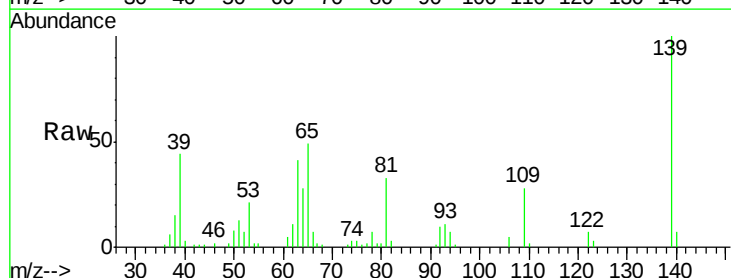
Tgt Ion: 139 Resp: 36008

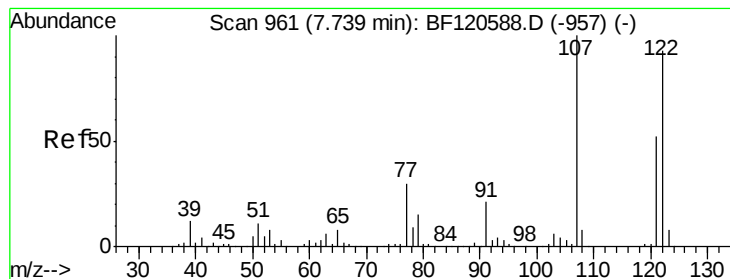
Ion Ratio Lower Upper

139 100

109 28.1 21.1 31.7

65 49.0 39.4 59.0





#27

2,4-Dimethylphenol

Concen: 6.910 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

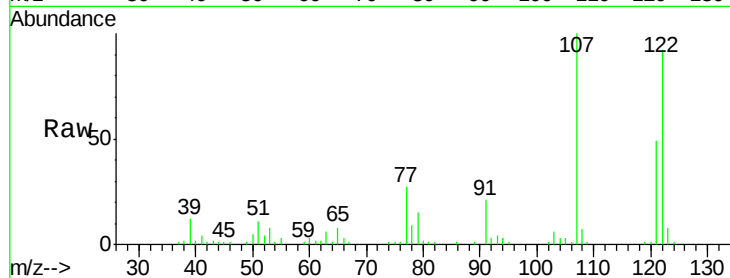
Tot Ion:122 Resp: 55147

Ion Ratio Lower Upper

122 100

107 109.0 86.4 129.6

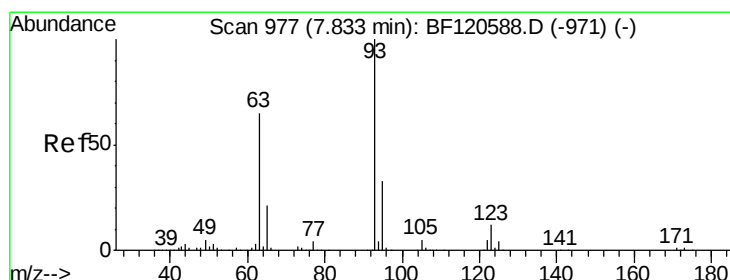
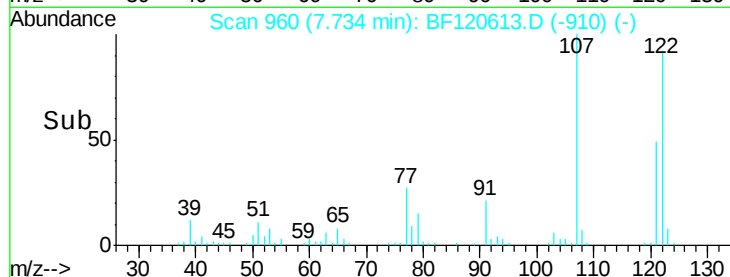
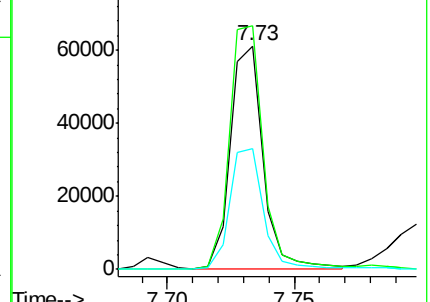
121 54.0 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 8.195 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

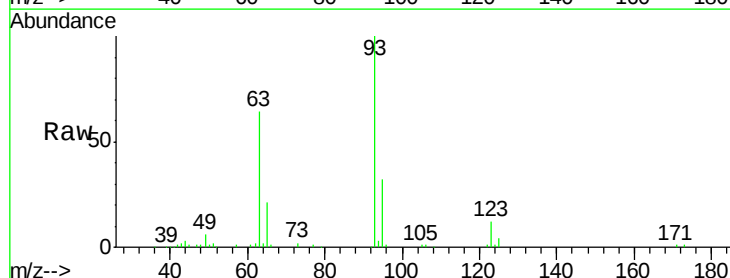
Tgt Ion: 93 Resp: 90595

Ion Ratio Lower Upper

93 100

95 31.6 26.2 39.4

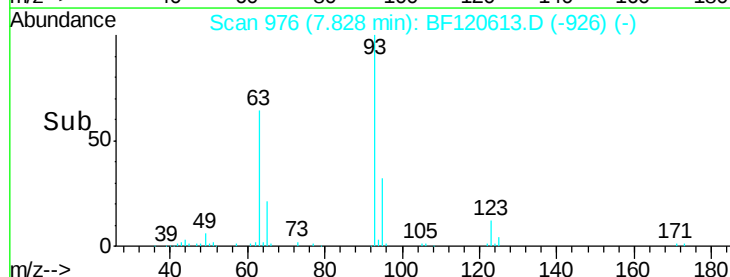
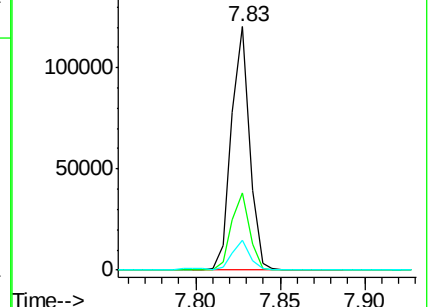
123 12.2 9.5 14.3

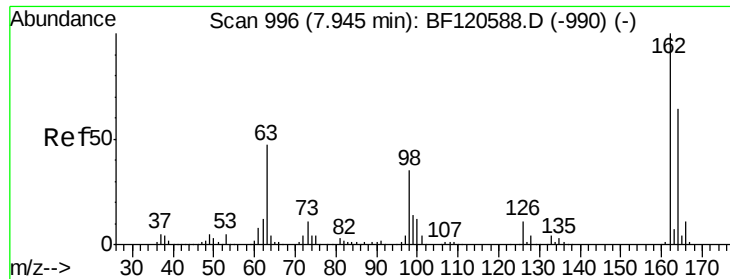


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

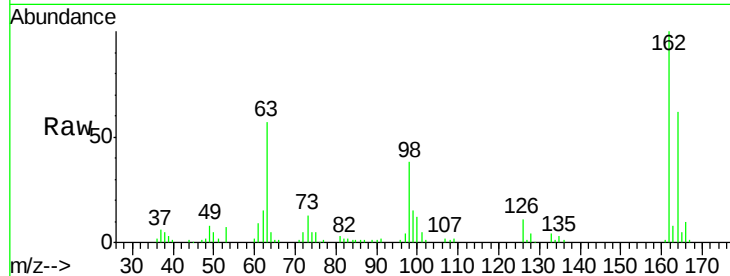




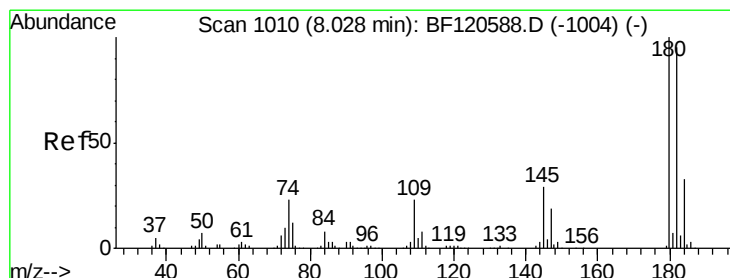
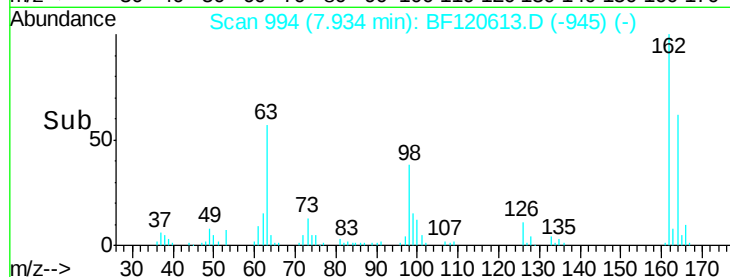
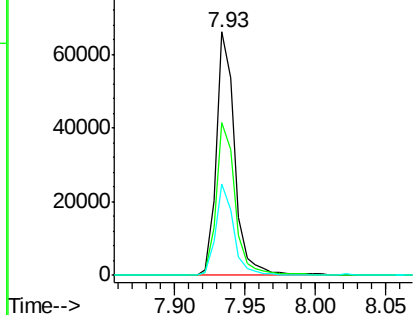
#29
2,4-Dichlorophenol
Concen: 7.430 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:162 Resp: 60274
Ion Ratio Lower Upper
162 100
164 62.5 44.1 84.1
98 37.5 14.7 54.7

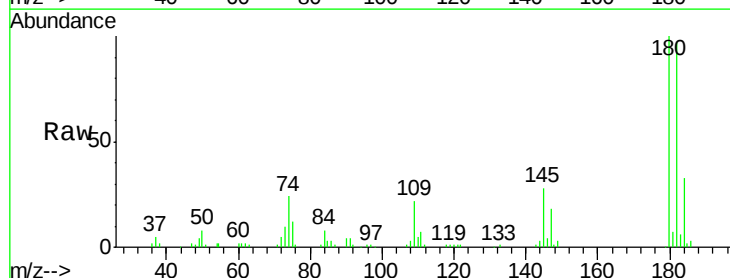


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

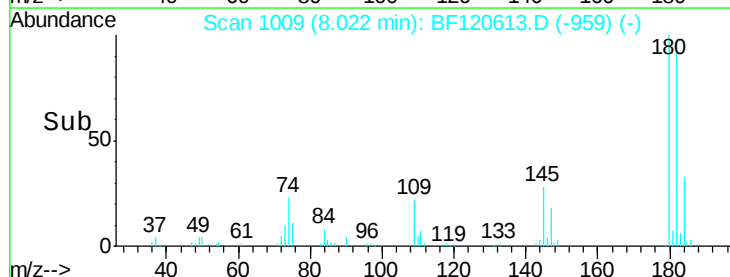
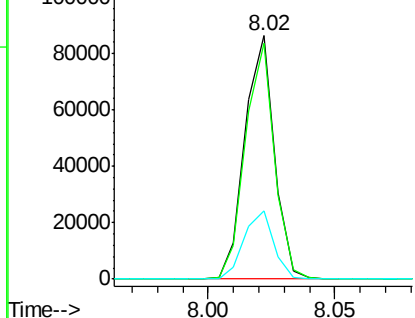


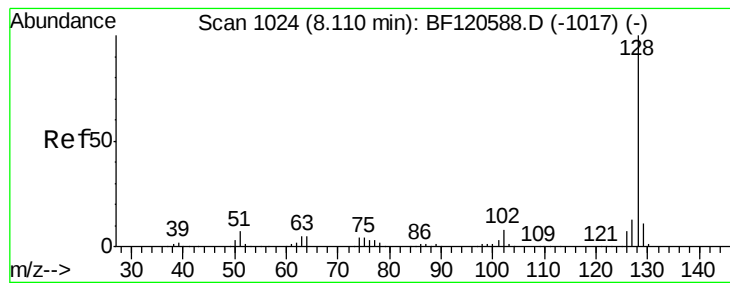
#30
1,2,4-Trichlorobenzene
Concen: 7.752 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt Ion:180 Resp: 69685
Ion Ratio Lower Upper
180 100
182 97.1 75.8 113.6
145 28.1 23.0 34.6



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: 8.636 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

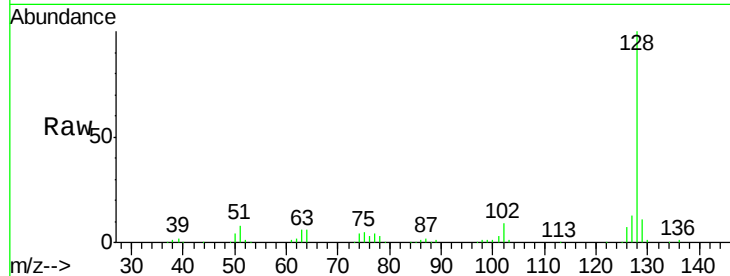
Tot Ion:128 Resp: 232054

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

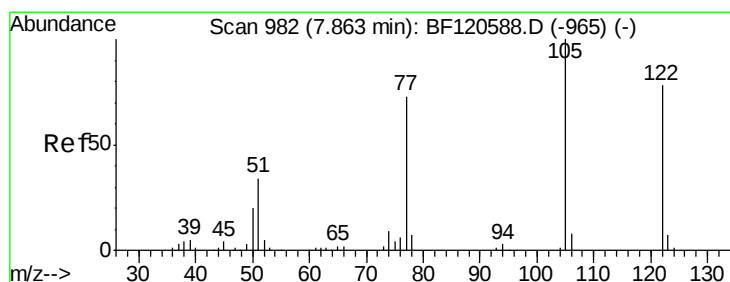
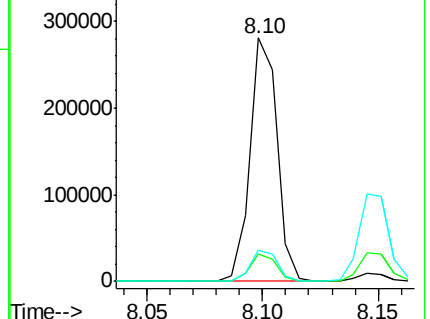
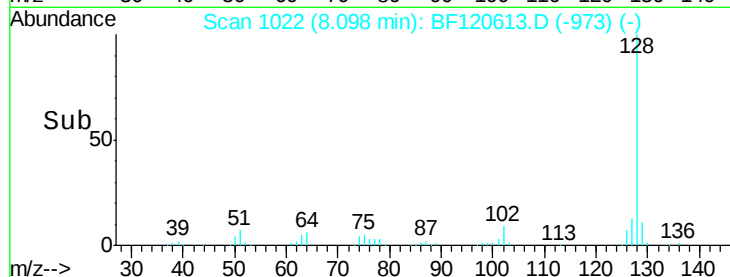
127 12.6 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 3.065 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.06 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

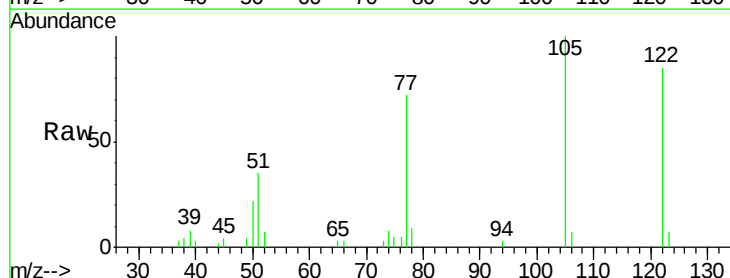
Tgt Ion:122 Resp: 18766

Ion Ratio Lower Upper

122 100

105 117.8 101.0 141.0

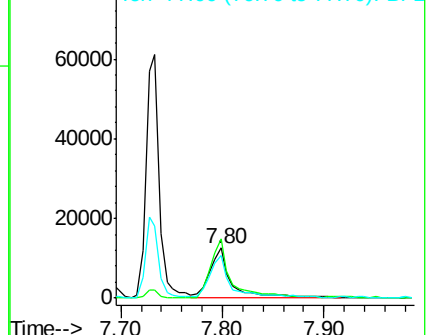
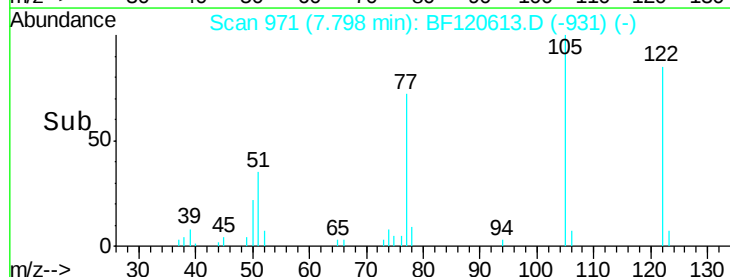
77 84.9 69.8 109.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

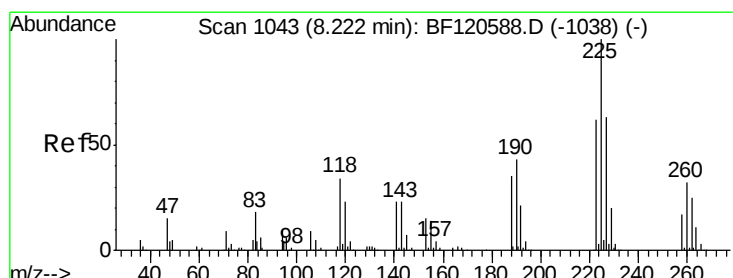
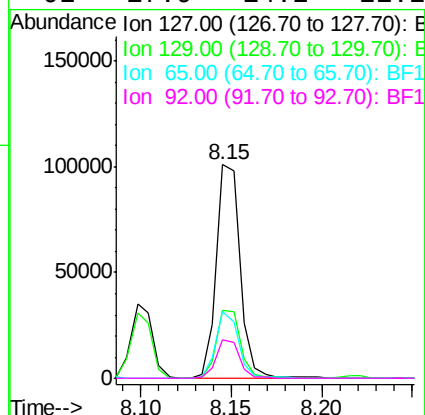
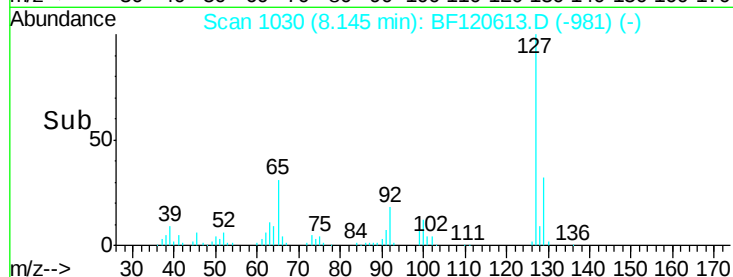
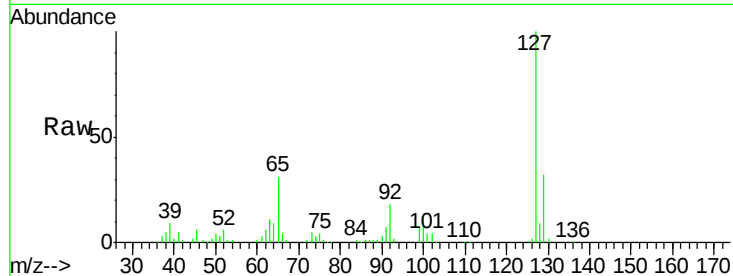




#33
4-Chloroaniline
Concen: 7.503 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

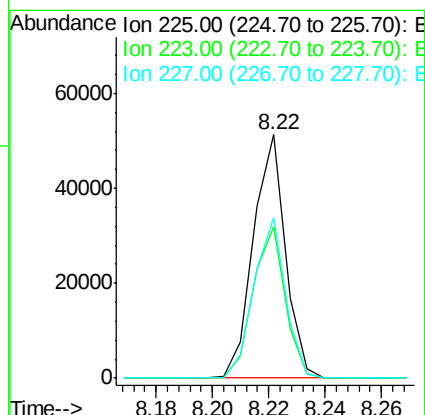
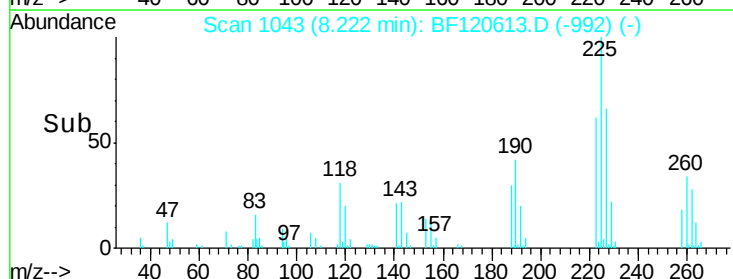
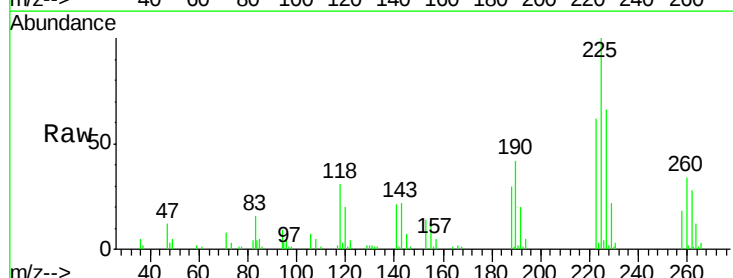
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

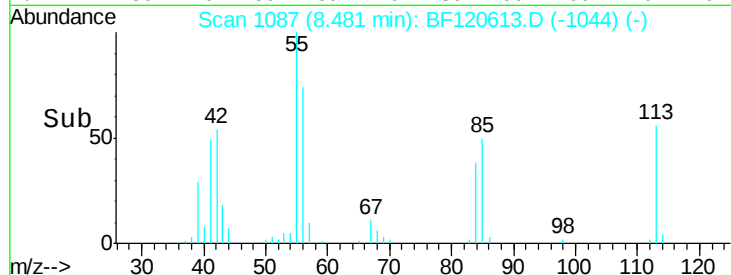
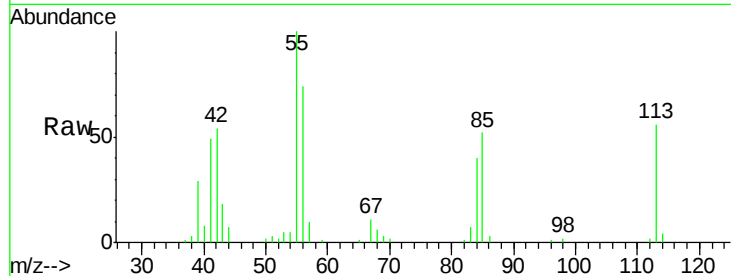
Tot Ion:	127	Resp:	92539
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.9	38.9
65	31.1	22.2	33.4
92	17.9	14.2	21.2



#34
Hexachlorobutadiene
Concen: 7.702 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt Ion:	225	Resp:	40358
Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.9	74.9
227	65.8	50.5	75.7

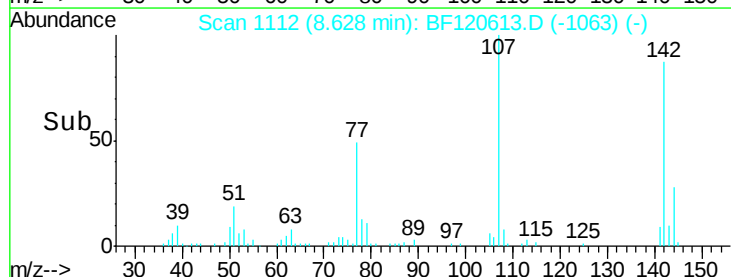
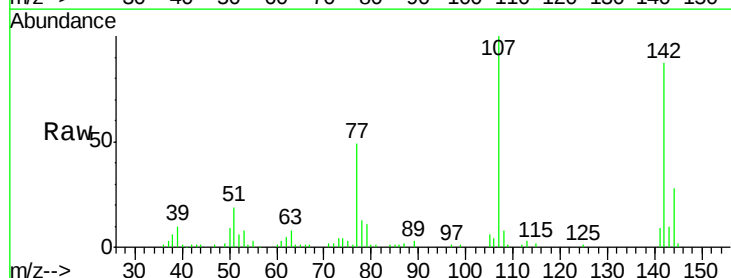
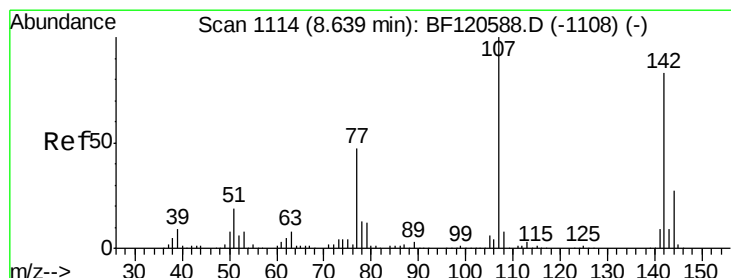
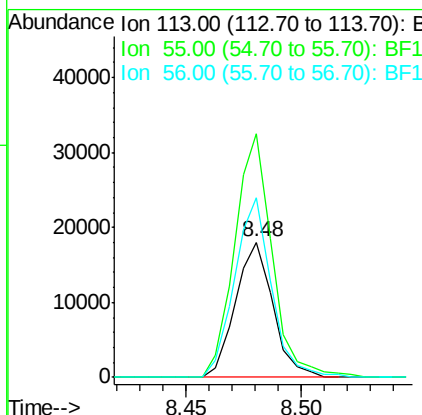




#35
Caprolactam
Concen: 7.856 ng
RT: 8.48 min Scan# 1087
Delta R.T. -0.05 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

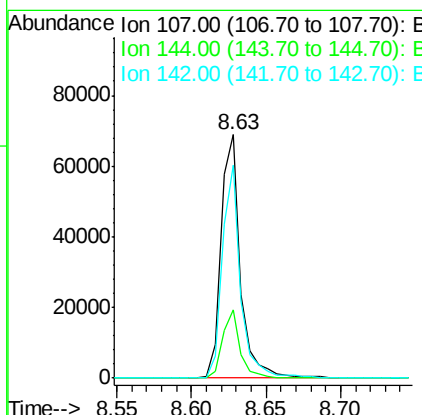
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

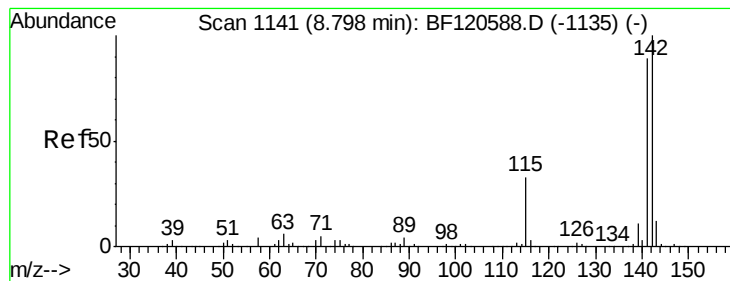
Tot Ion:113 Resp: 20383
Ion Ratio Lower Upper
113 100
55 180.1 133.1 173.1#
56 133.1 98.4 138.4



#36
4-Chloro-3-methylphenol
Concen: 7.777 ng
RT: 8.63 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt Ion:107 Resp: 63029
Ion Ratio Lower Upper
107 100
144 27.9 21.4 32.2
142 87.3 66.3 99.5





#37

2-Methylnaphthalene

Concen: 8.608 ng

RT: 8.79 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

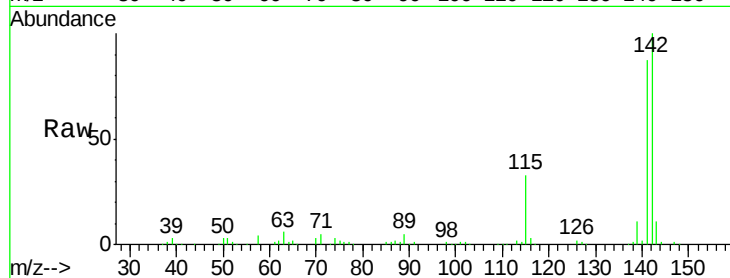
Tot Ion:142 Resp: 150992

Ion Ratio Lower Upper

142 100

141 86.7 71.4 107.0

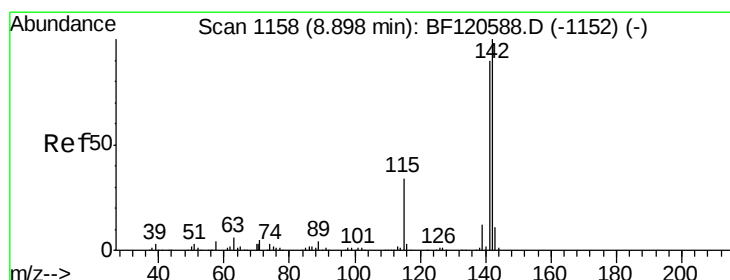
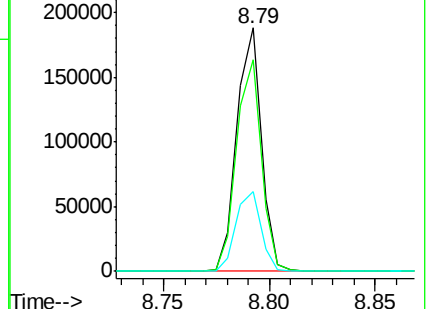
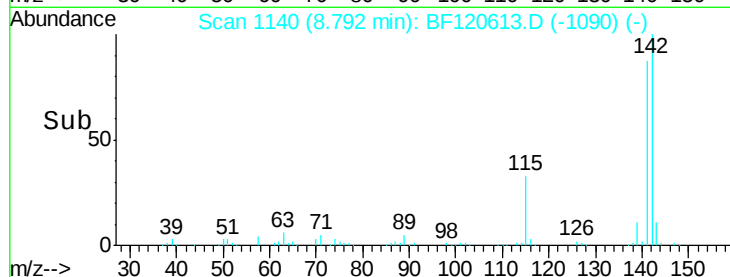
115 32.7 26.1 39.1



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: 8.731 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

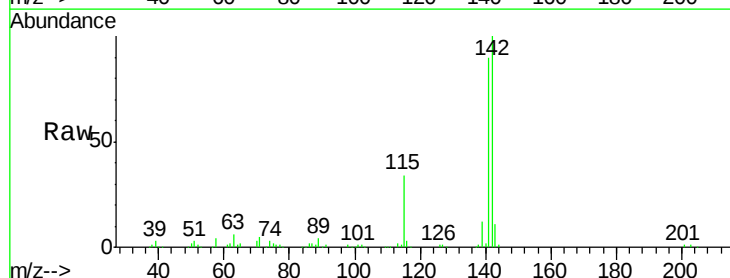
Tgt Ion:142 Resp: 144110

Ion Ratio Lower Upper

142 100

141 90.2 72.1 108.1

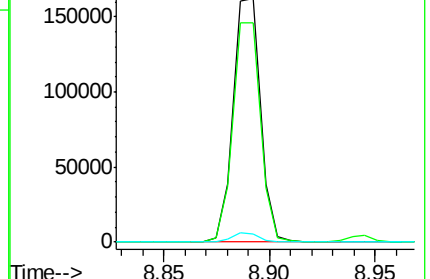
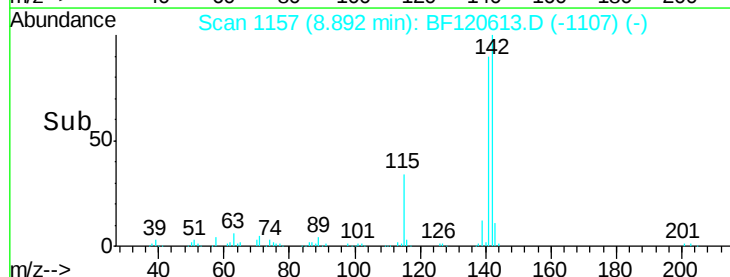
116 3.3 2.7 4.1

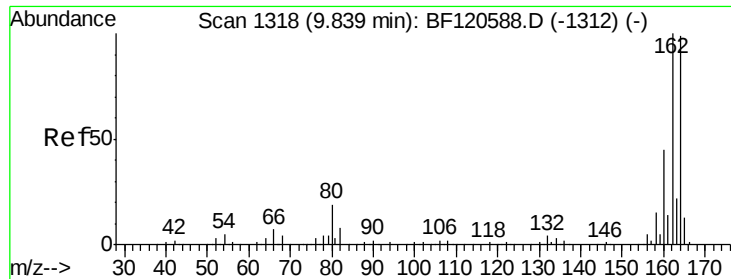


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

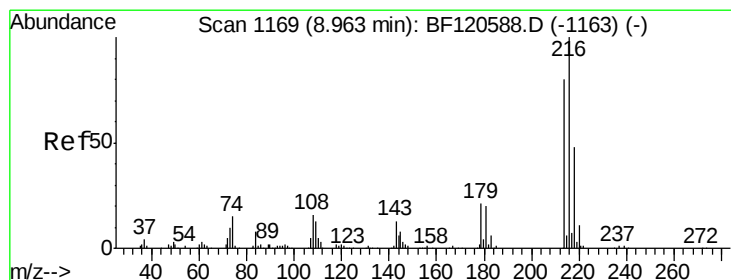
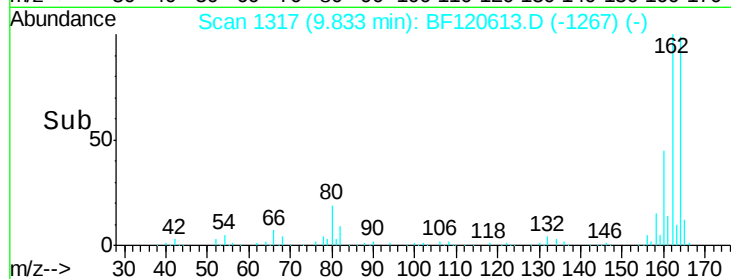
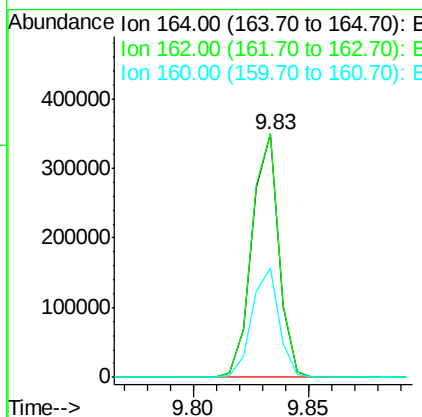
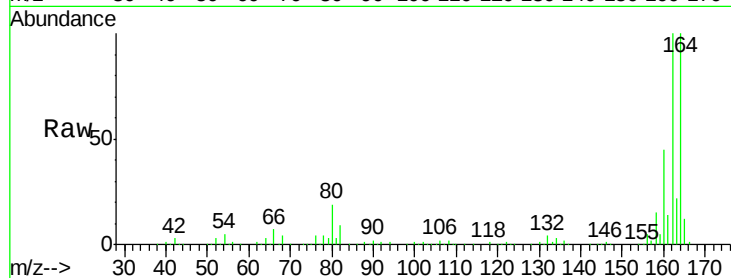




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

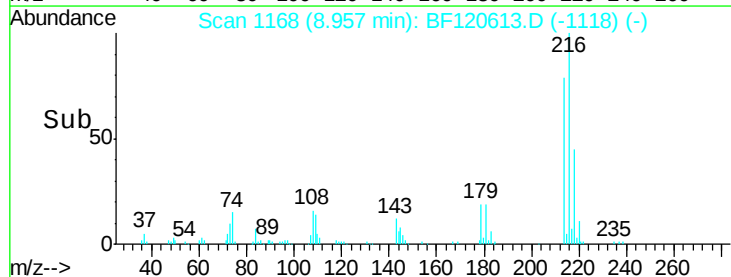
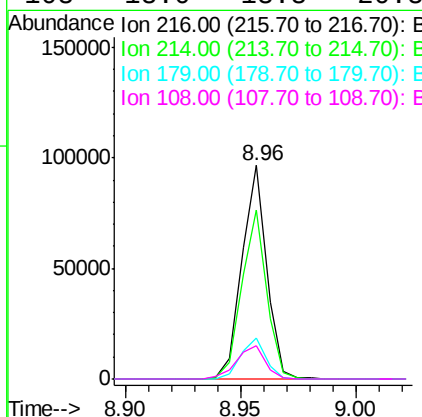
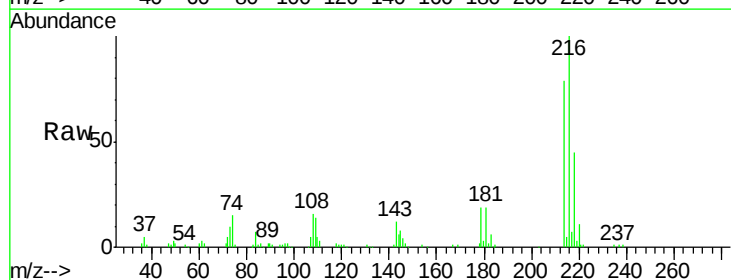
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

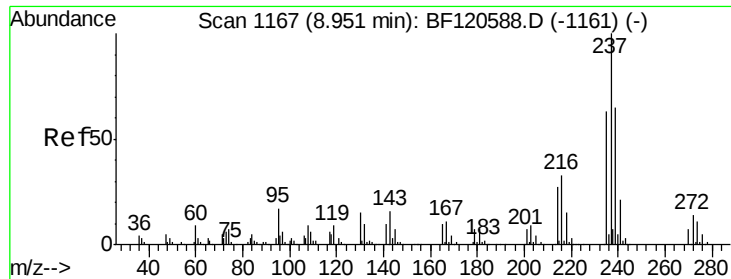
Tot Ion:164 Resp: 283846
Ion Ratio Lower Upper
164 100
162 99.9 80.6 120.8
160 44.9 36.2 54.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.552 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt Ion:216 Resp: 72480
Ion Ratio Lower Upper
216 100
214 78.7 63.8 95.6
179 19.6 16.4 24.6
108 18.0 13.8 20.8





#41

Hexachlorocyclopentadiene

Concen: 5.725 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

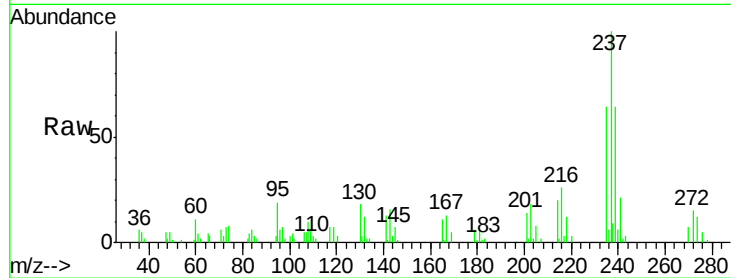
Tot Ion:237 Resp: 27190

Ion Ratio Lower Upper

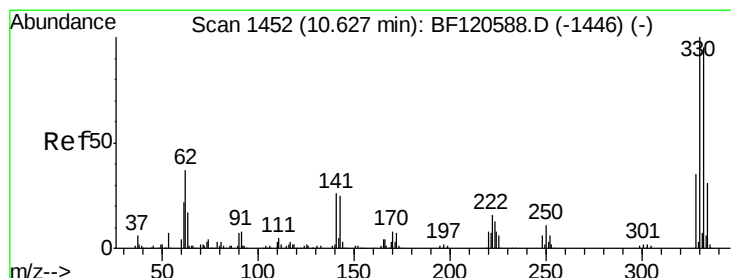
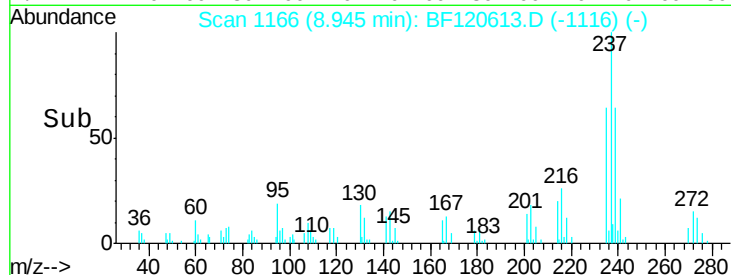
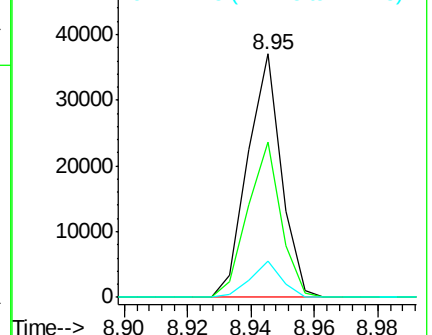
237 100

235 64.0 43.2 83.2

272 14.8 0.0 33.9



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



#42

2,4,6-Tribromophenol

Concen: 148.595 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

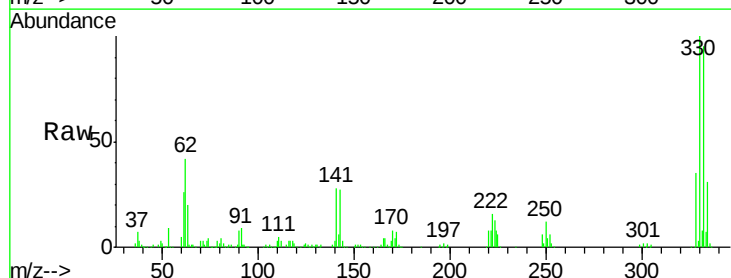
Tgt Ion:330 Resp: 490378

Ion Ratio Lower Upper

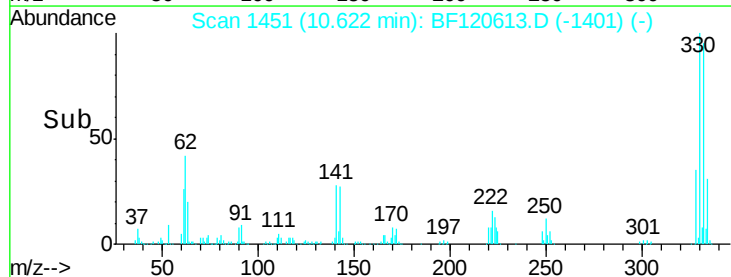
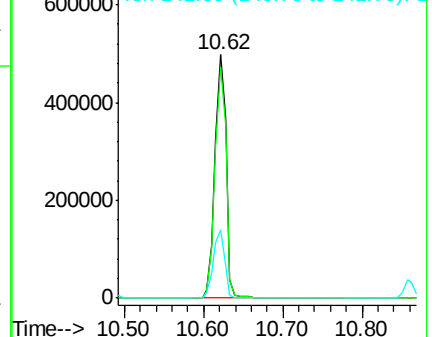
330 100

332 95.1 76.8 115.2

141 28.5 23.2 34.8



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

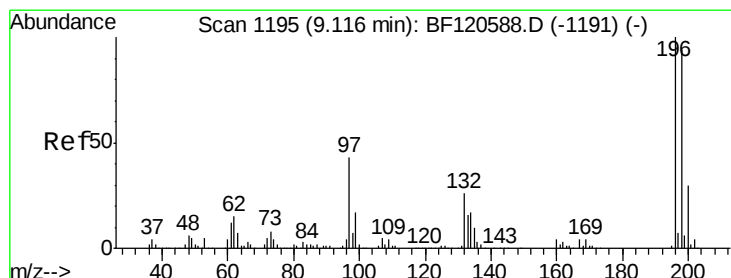
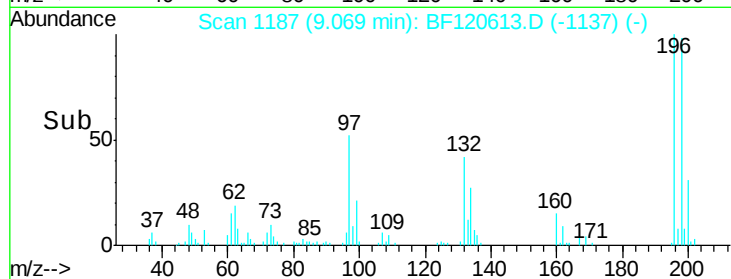
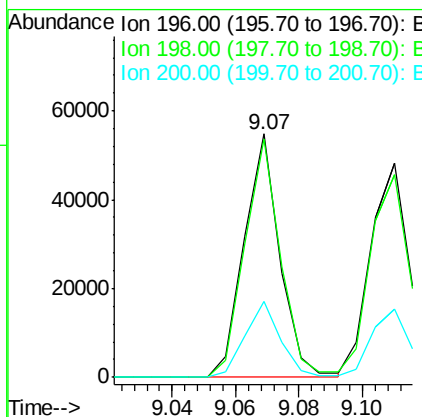
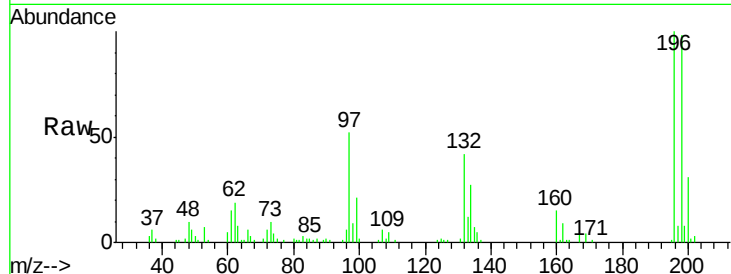




#43
 2,4,6-Trichlorophenol
 Concen: 7.110 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF120613.D
 Acq: 12 Jun 2020 16:16

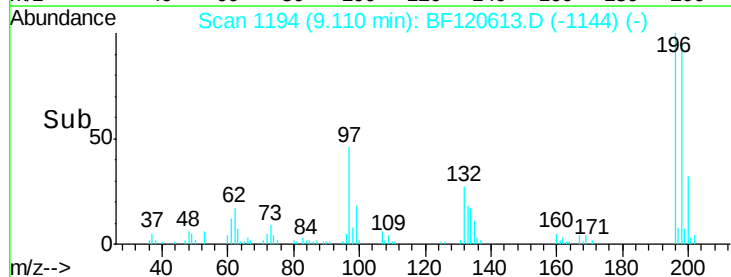
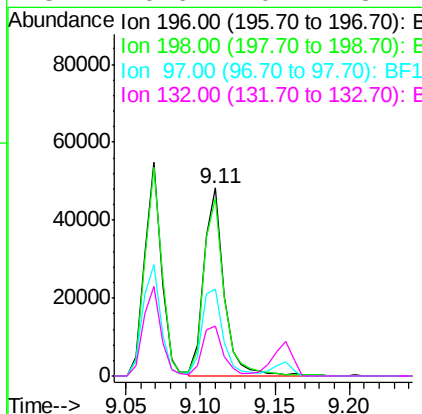
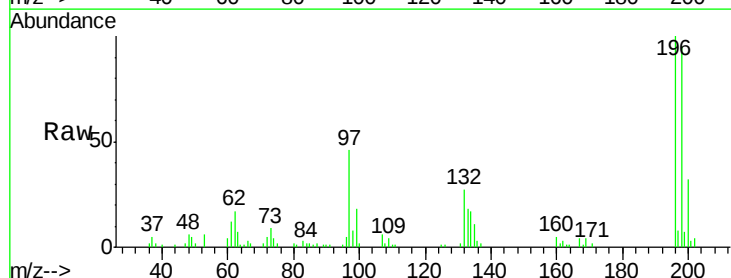
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

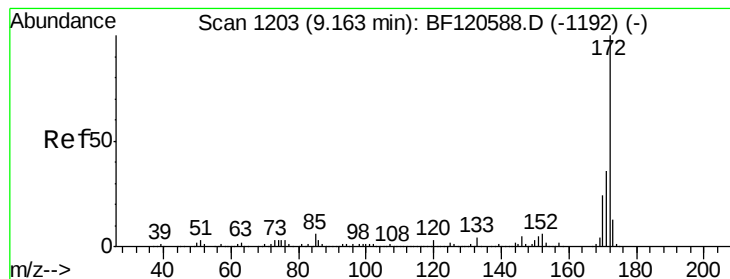
Tot Ion:196 Resp: 42746
 Ion Ratio Lower Upper
 196 100
 198 97.9 76.2 114.2
 200 31.0 24.6 37.0



#44
 2,4,5-Trichlorophenol
 Concen: 6.658 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF120613.D
 Acq: 12 Jun 2020 16:16

Tgt Ion:196 Resp: 45415
 Ion Ratio Lower Upper
 196 100
 198 94.5 75.5 113.3
 97 46.1 34.4 51.6
 132 26.6 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 96.048 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

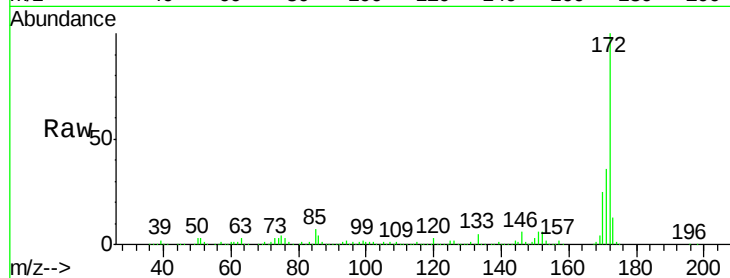
BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:172 Resp: 1781909

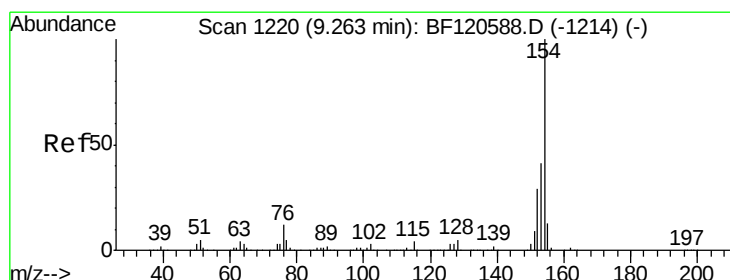
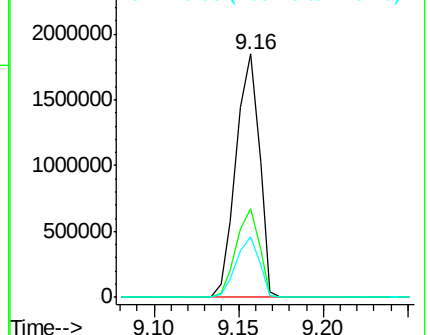
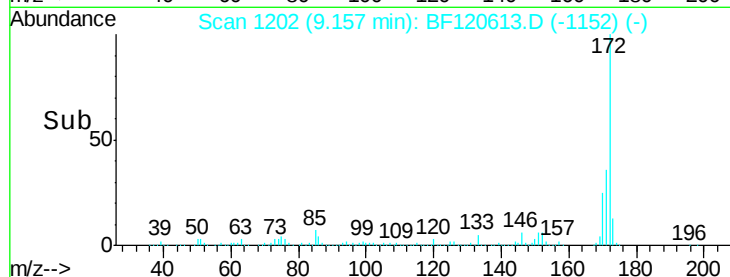
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	24.7	19.4	29.2



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 9.120 ng

RT: 9.25 min Scan# 1218

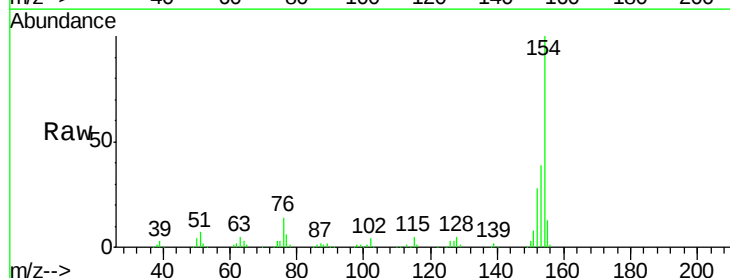
Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Tgt Ion:154 Resp: 193298

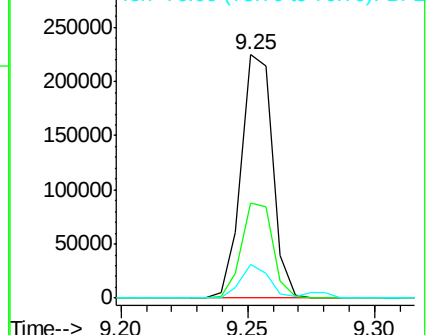
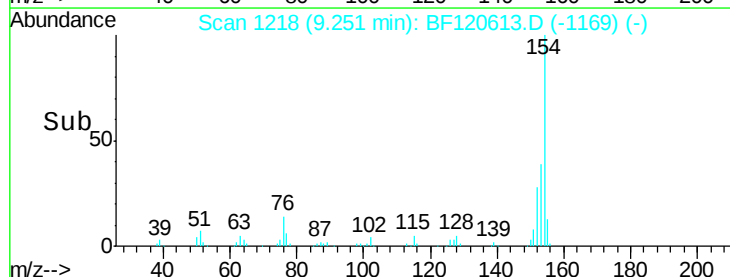
Ion	Ratio	Lower	Upper
154	100		
153	39.2	21.4	61.4
76	13.8	0.0	31.6

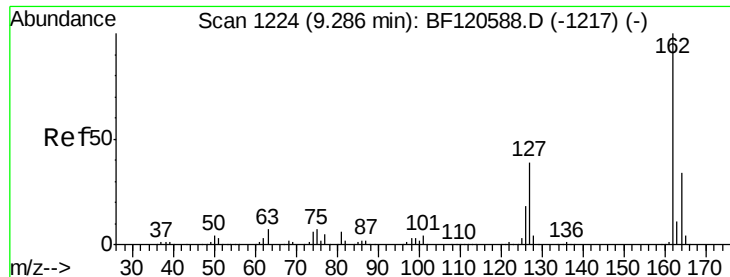


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

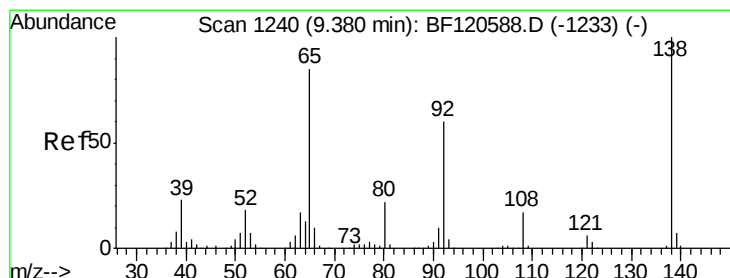
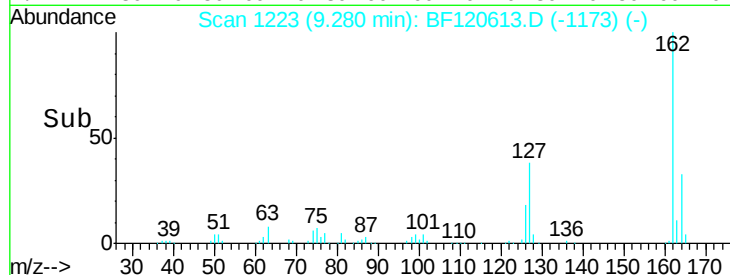
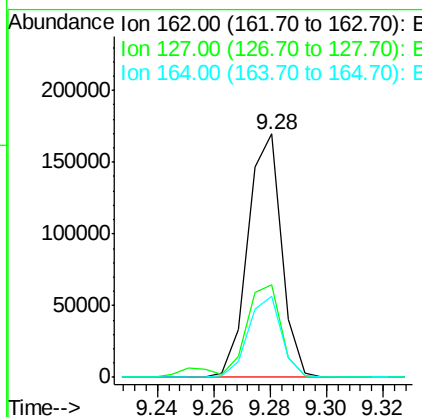
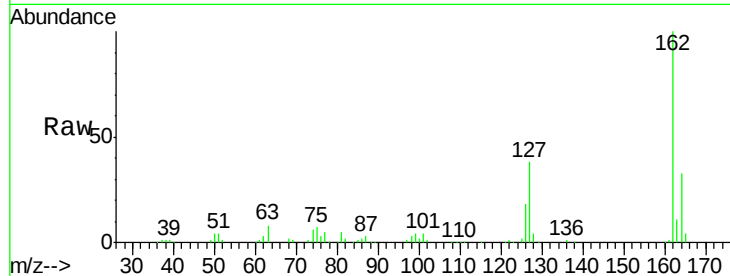




#47
2-Chloronaphthalene
Concen: 8.049 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

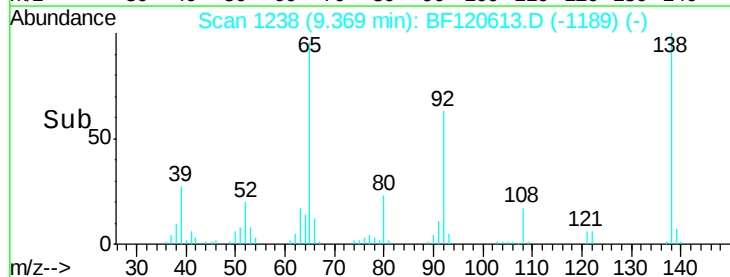
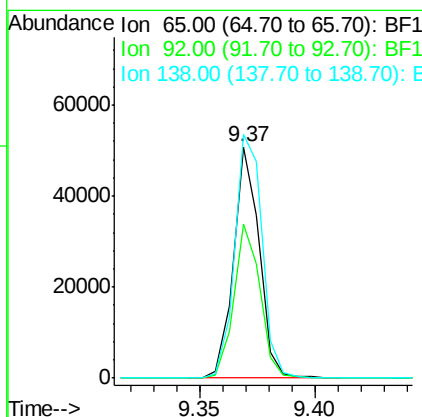
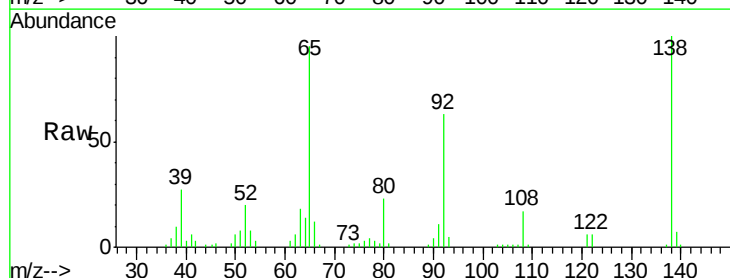
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

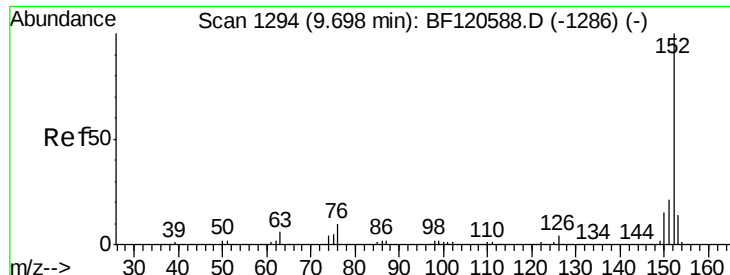
Tot Ion:162 Resp: 139510
Ion Ratio Lower Upper
162 100
127 38.0 31.3 46.9
164 33.3 26.9 40.3



#48
2-Nitroaniline
Concen: 7.227 ng
RT: 9.37 min Scan# 1238
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt Ion: 65 Resp: 39337
Ion Ratio Lower Upper
65 100
92 66.8 56.0 84.0
138 105.4 94.0 141.0





#49

Acenaphthylene

Concen: 8.384 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

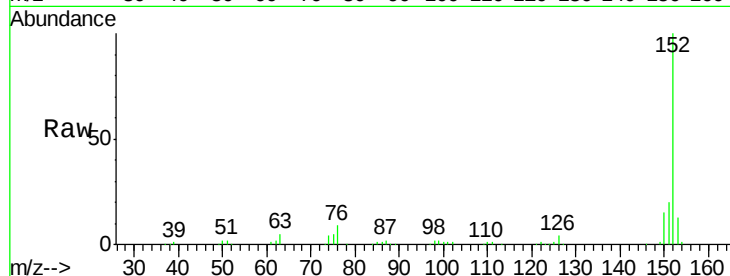
Tot Ion:152 Resp: 224253

Ion Ratio Lower Upper

152 100

151 19.8 16.6 25.0

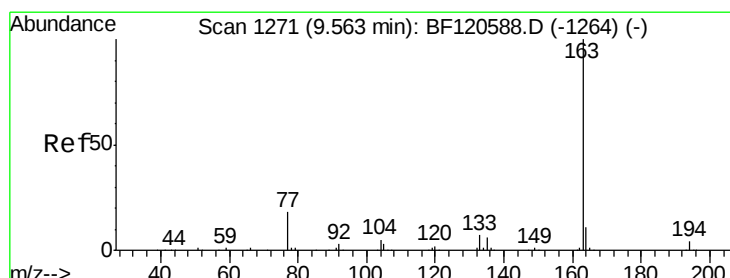
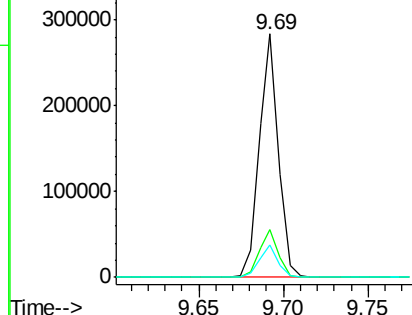
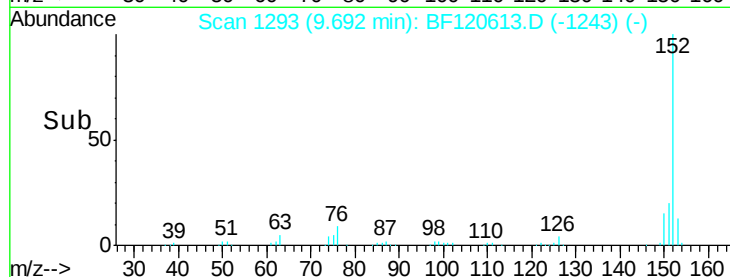
153 13.1 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.914 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

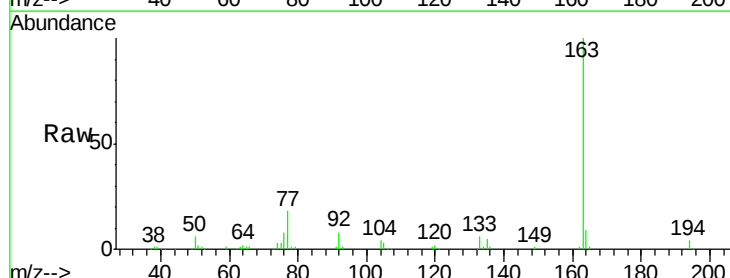
Tgt Ion:163 Resp: 161784

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

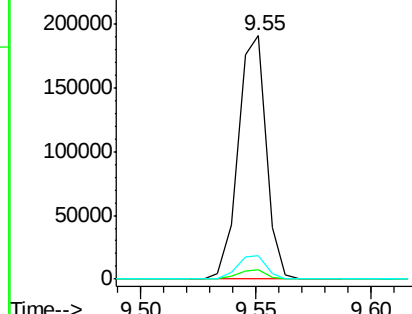
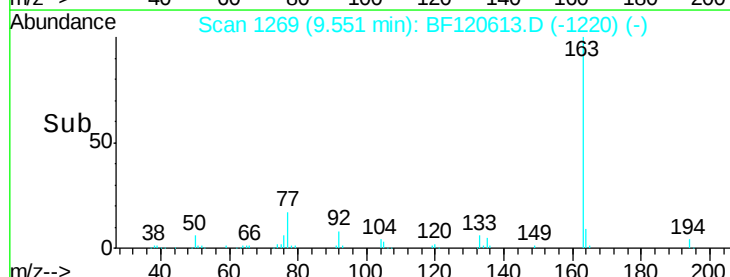
164 9.4 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

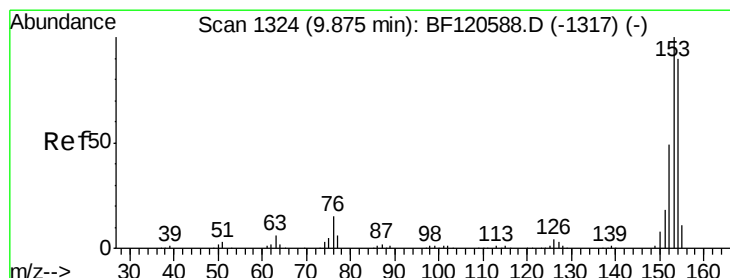
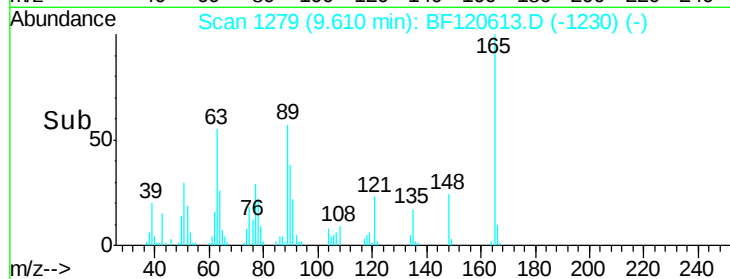
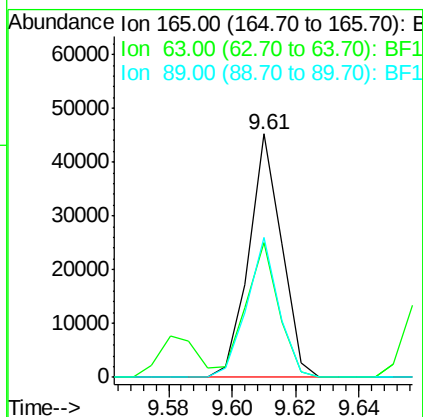
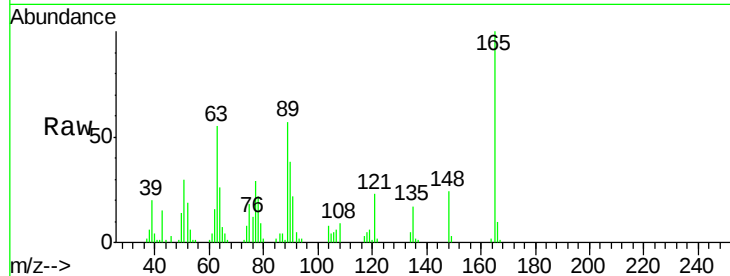




#51
2,6-Dinitrotoluene
Concen: 7.015 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

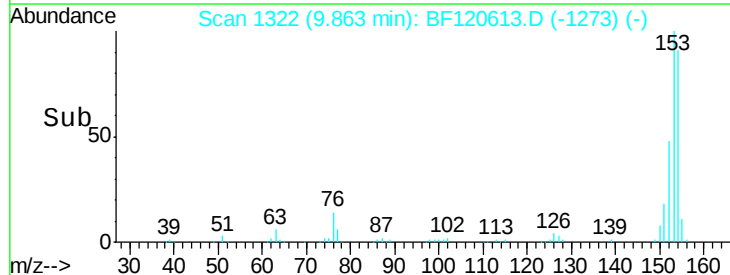
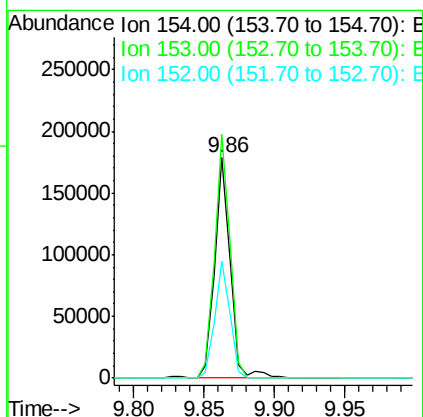
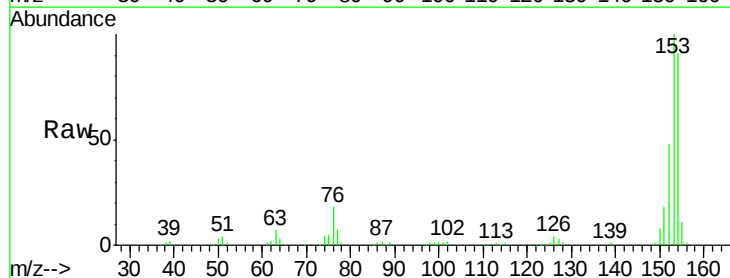
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

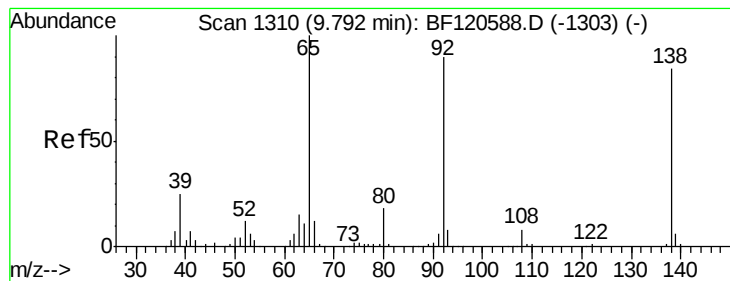
Tot Ion:165 Resp: 32498
Ion Ratio Lower Upper
165 100
63 55.5 41.7 62.5
89 57.4 42.6 64.0



#52
Acenaphthene
Concen: 8.595 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt Ion:154 Resp: 137120
Ion Ratio Lower Upper
154 100
153 110.5 89.1 133.7
152 53.2 43.7 65.5





#53

3-Nitroaniline

Concen: 6.595 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

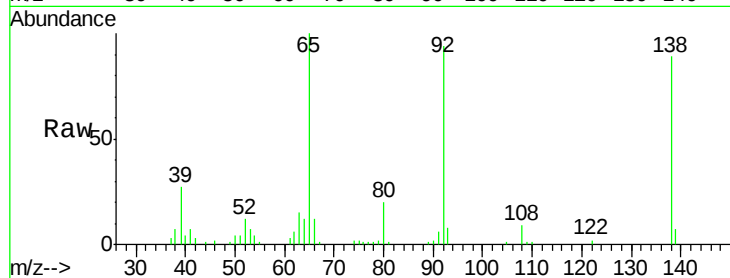
Tot Ion:138 Resp: 36698

Ion Ratio Lower Upper

138 100

108 10.0 8.0 12.0

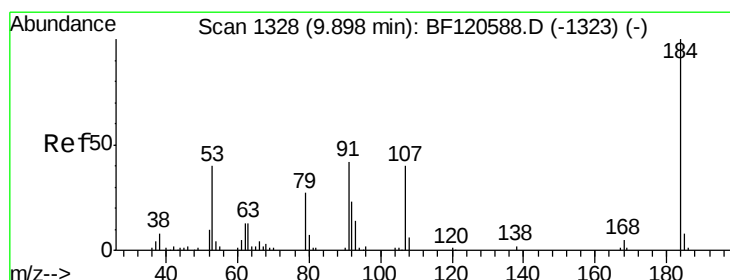
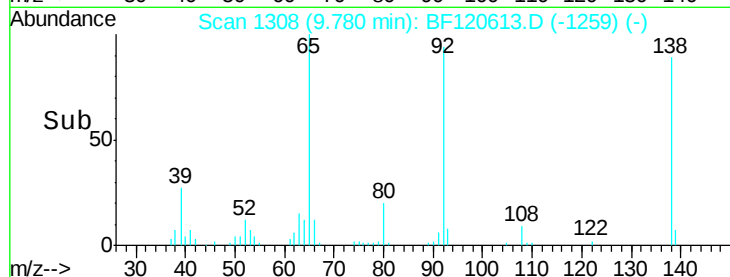
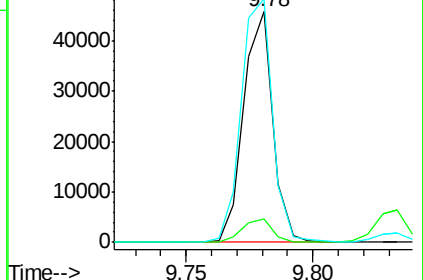
92 105.5 86.0 129.0



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 3.631 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

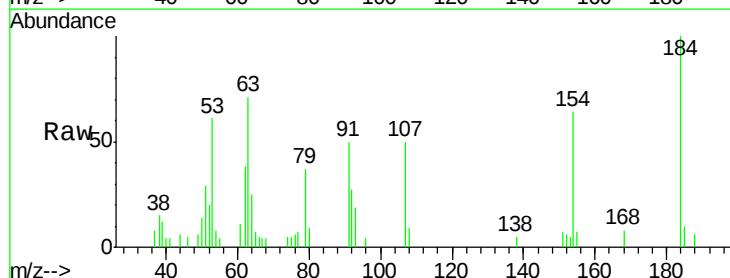
Tgt Ion:184 Resp: 9019

Ion Ratio Lower Upper

184 100

63 71.4 44.2 66.2#

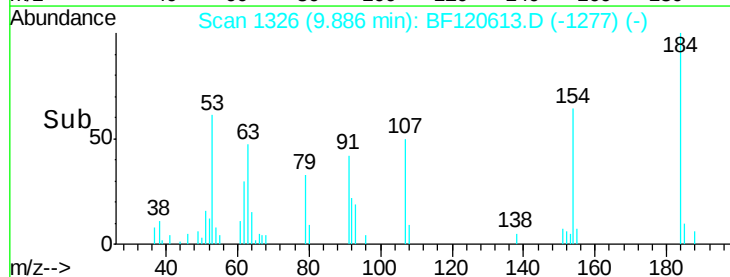
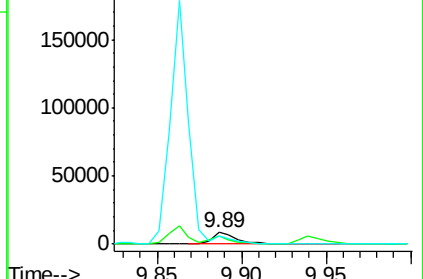
154 64.4 45.9 68.9

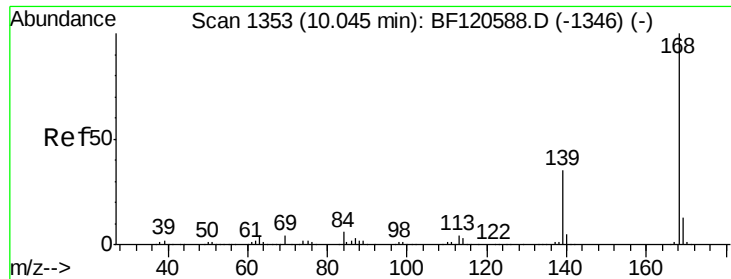


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

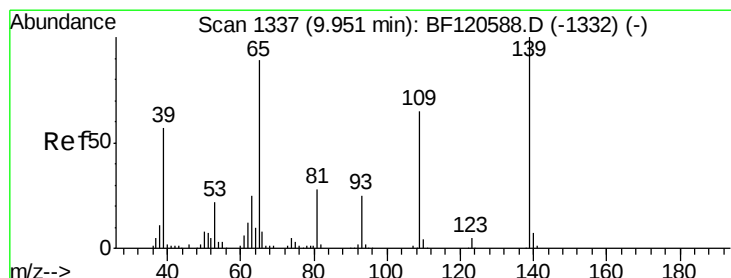
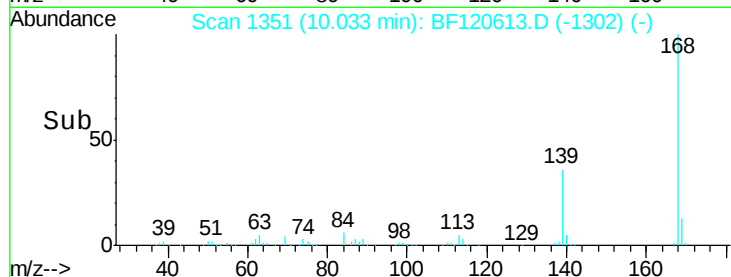
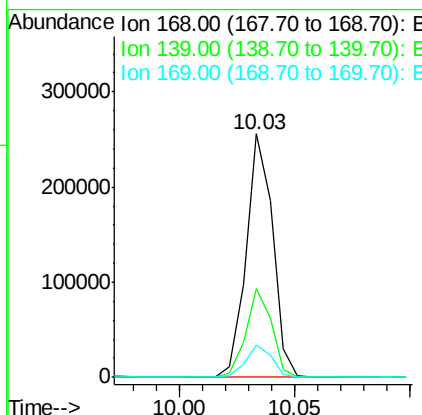
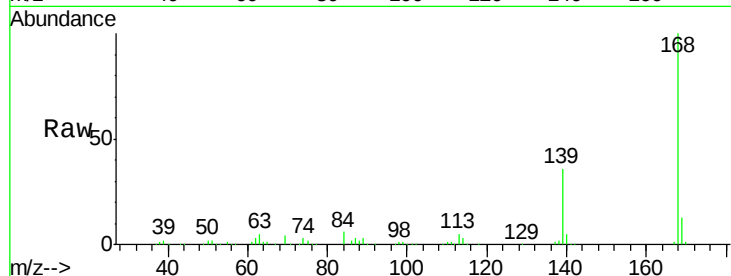




#55
Dibenzenofuran
Concen: 8.430 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

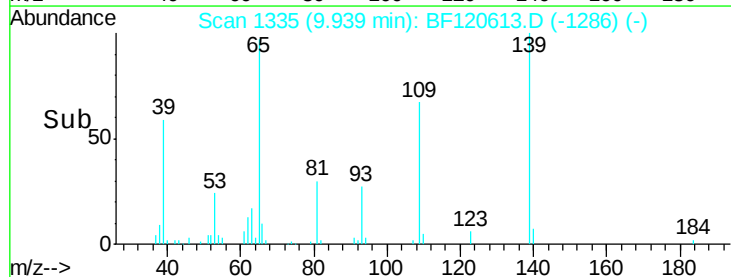
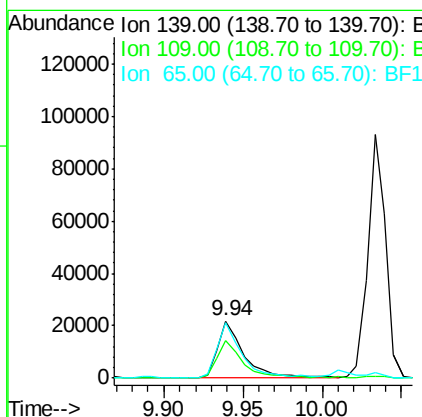
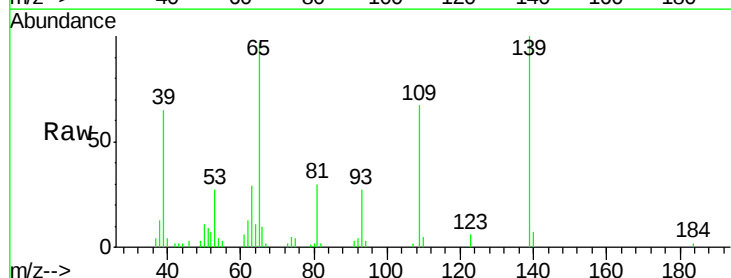
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

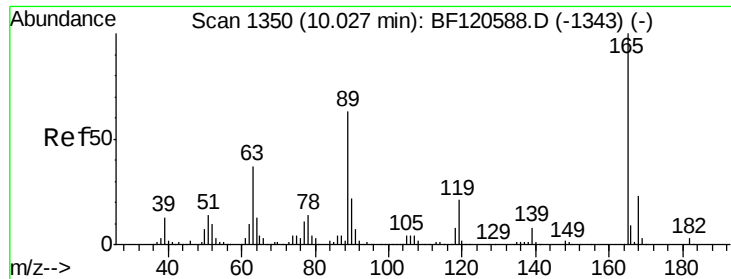
Tot Ion:168 Resp: 206218
Ion Ratio Lower Upper
168 100
139 36.4 28.1 42.1
169 13.4 10.6 16.0



#56
4-Nitrophenol
Concen: 5.952 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt Ion:139 Resp: 24945
Ion Ratio Lower Upper
139 100
109 67.0 44.6 84.6
65 96.7 69.2 109.2

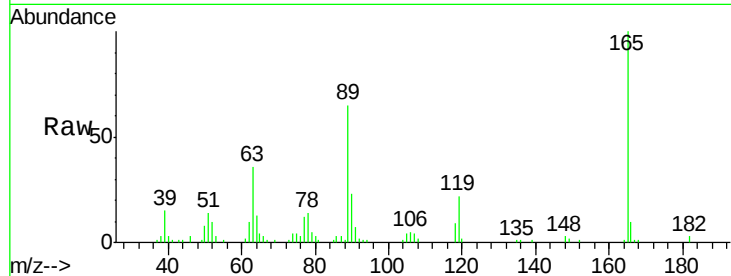




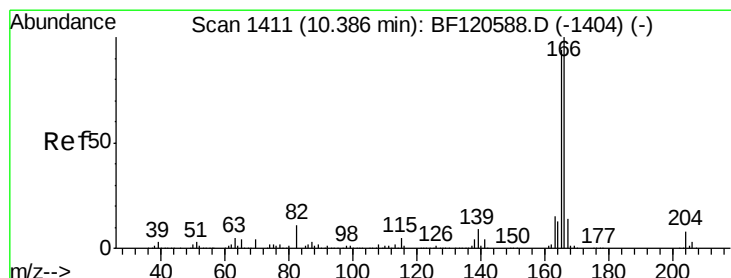
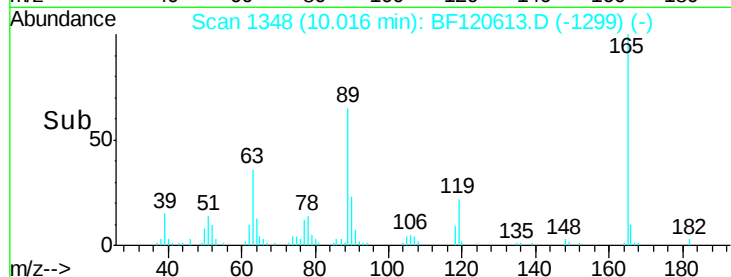
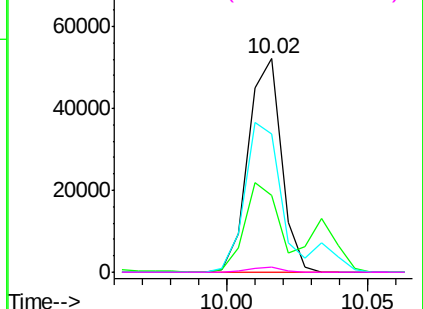
#57
2,4-Dinitrotoluene
Concen: 6.937 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:165	Resp:	42646
Ion Ratio	Lower	Upper
165	100	
63	36.0	29.8 44.8
89	64.8	50.4 75.6
182	2.6	2.1 3.1

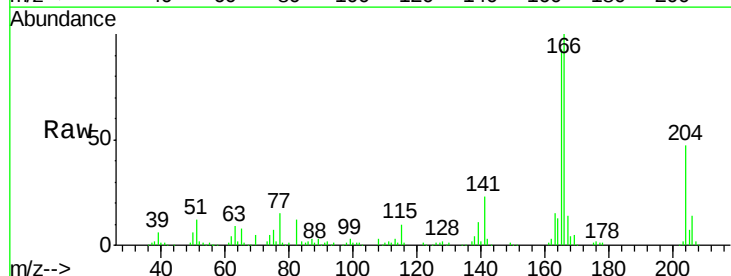


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

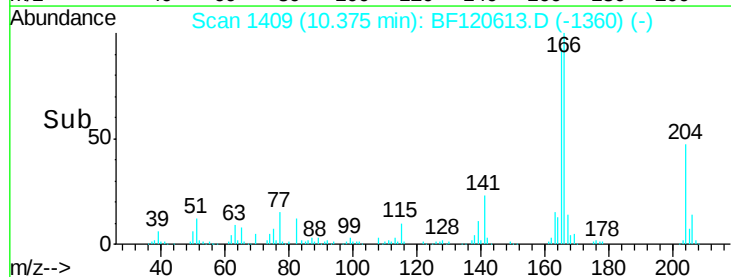
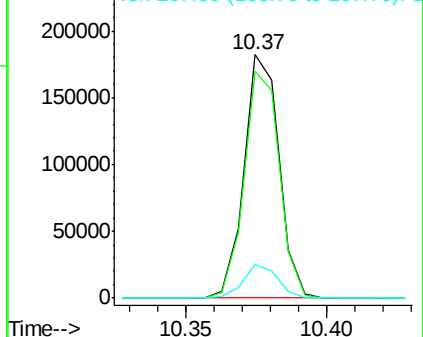


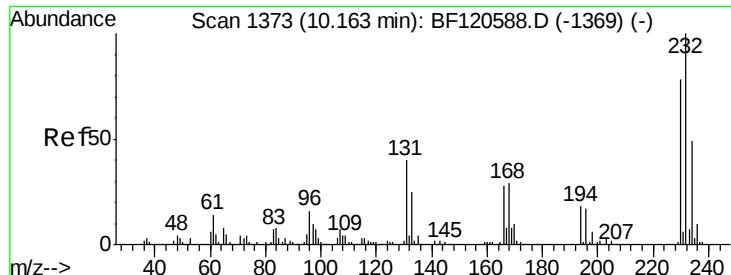
#58
Fluorene
Concen: 8.235 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt Ion:166	Resp:	155288
Ion Ratio	Lower	Upper
166	100	
165	93.2	75.0 112.6
167	13.9	11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

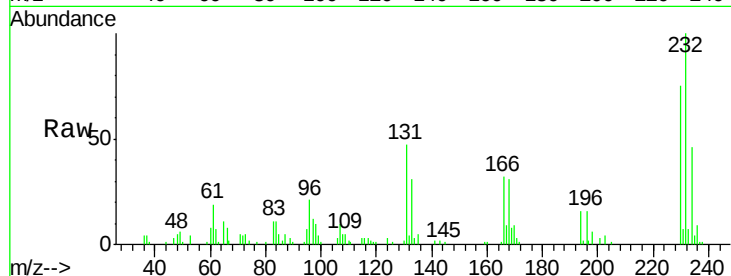




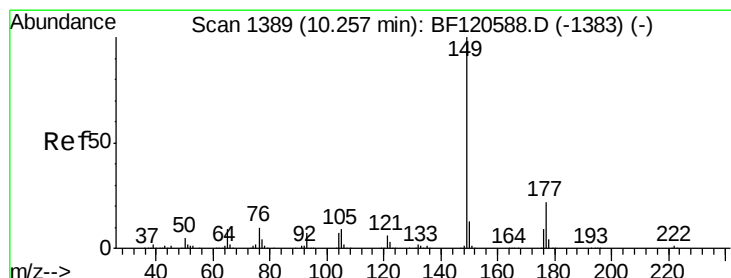
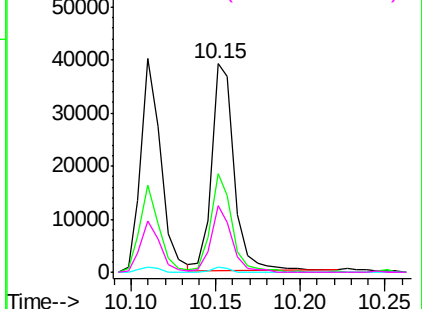
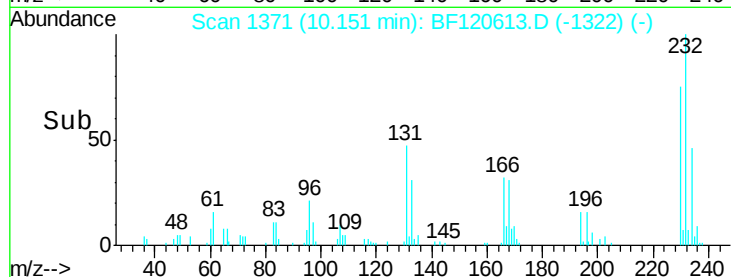
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 6.902 ng
 RT: 10.15 min Scan# 1371
 Delta R.T. -0.01 min
 Lab File: BF120613.D
 Acq: 12 Jun 2020 16:16

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion:232	Resp:	37036
Ion Ratio	Lower	Upper
232	100	
131	45.1	33.5 50.3
130	1.9	1.5 2.3
166	29.6	23.4 35.0

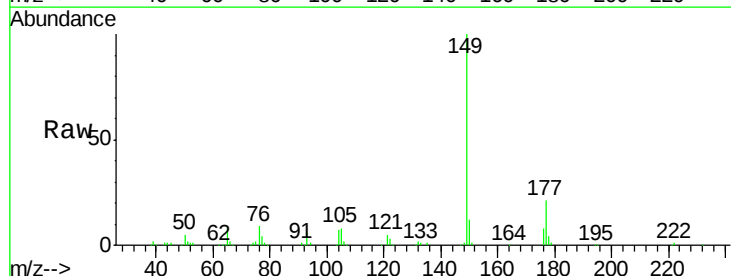


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

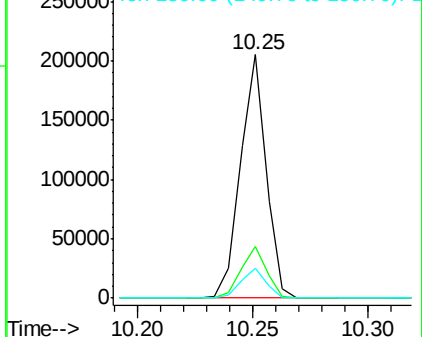
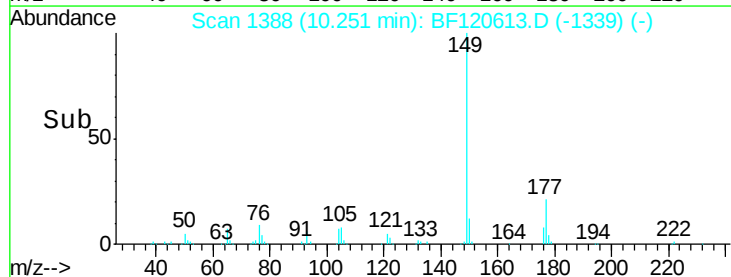


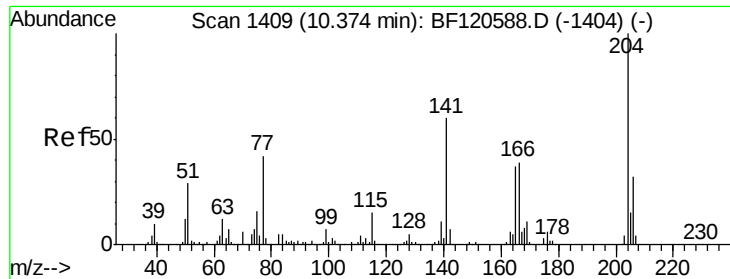
#60
 Diethylphthalate
 Concen: 7.893 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BF120613.D
 Acq: 12 Jun 2020 16:16

Tgt Ion:149	Resp:	158922
Ion Ratio	Lower	Upper
149	100	
177	21.4	17.3 25.9
150	12.0	10.3 15.5



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

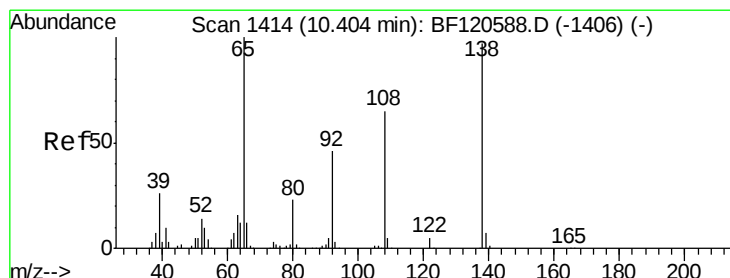
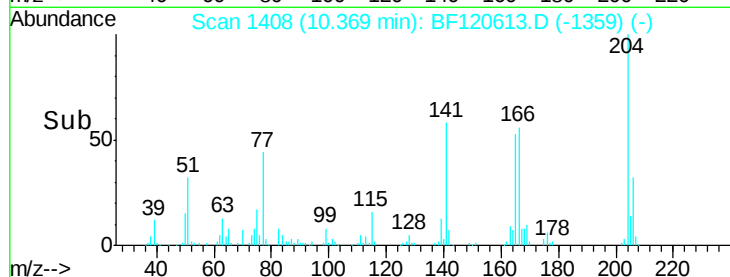
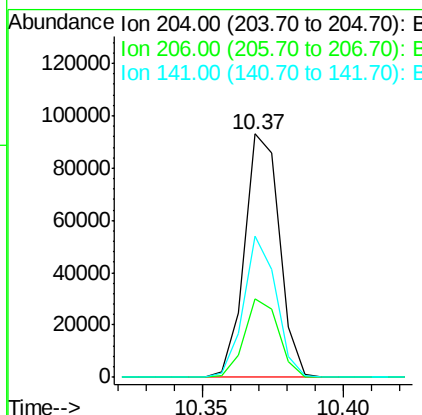
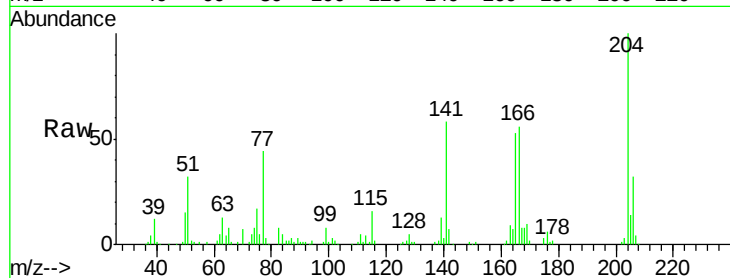




#61
4-Chlorophenyl-phenylether
Concen: 8.179 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

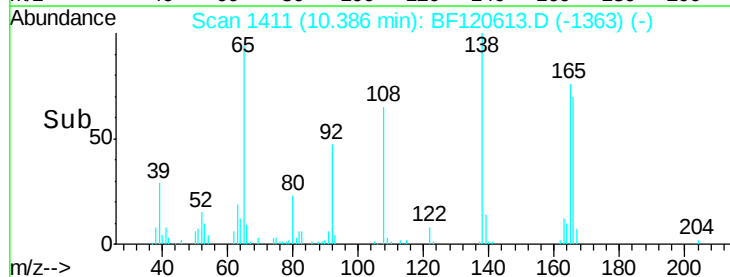
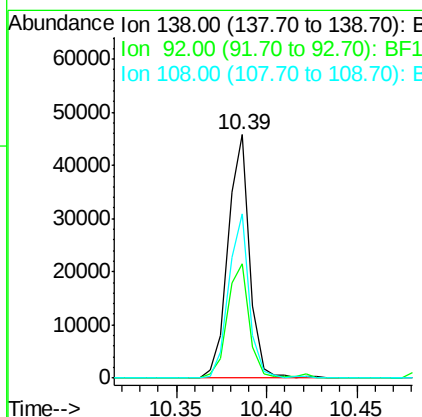
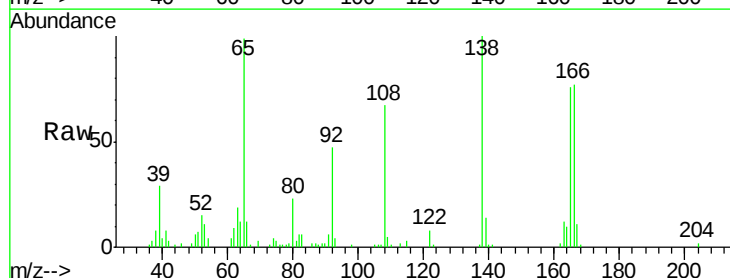
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:204 Resp: 79648
Ion Ratio Lower Upper
204 100
206 32.2 25.9 38.9
141 57.9 47.6 71.4



#62
4-Nitroaniline
Concen: 6.855 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.02 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt Ion:138 Resp: 37867
Ion Ratio Lower Upper
138 100
92 47.1 27.3 67.3
108 67.2 47.4 87.4





#63

Azobenzene

Concen: 8.473 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 77 Resp: 154853

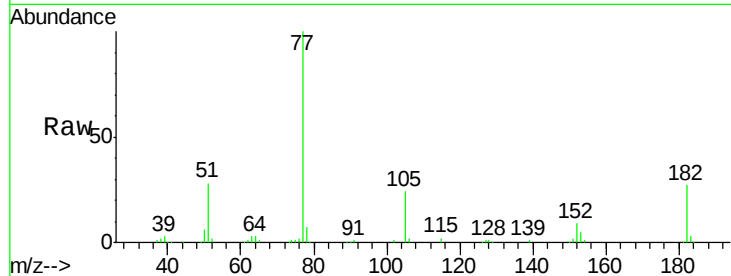
Ion Ratio Lower Upper

77 100

182 26.6 7.7 47.7

105 23.9 3.2 43.2

51 28.0 8.5 48.5

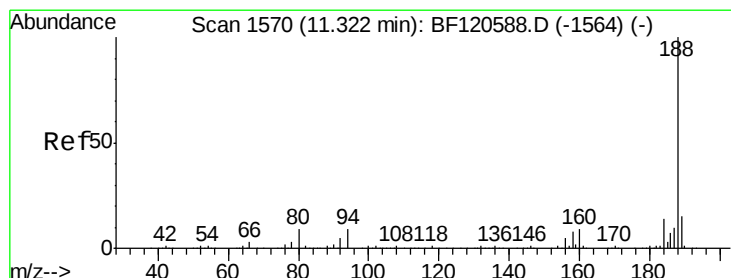
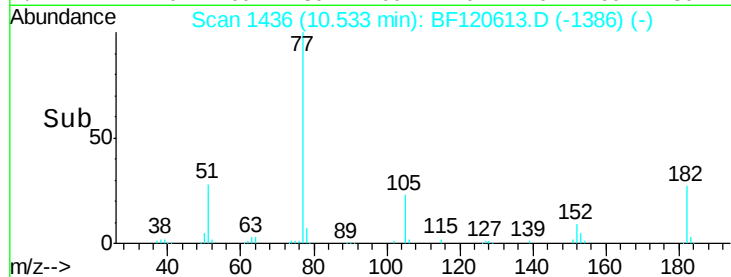
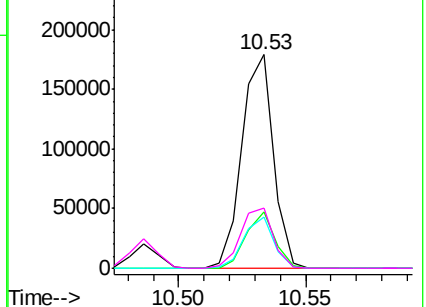


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

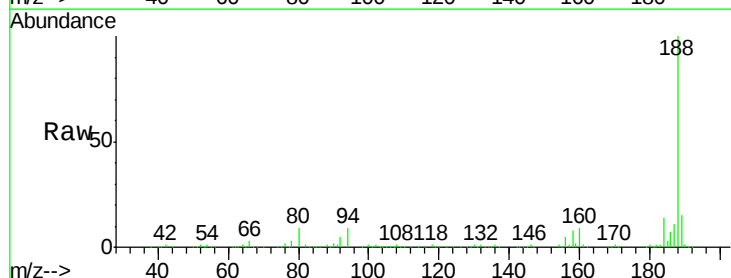
Tgt Ion: 188 Resp: 543813

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

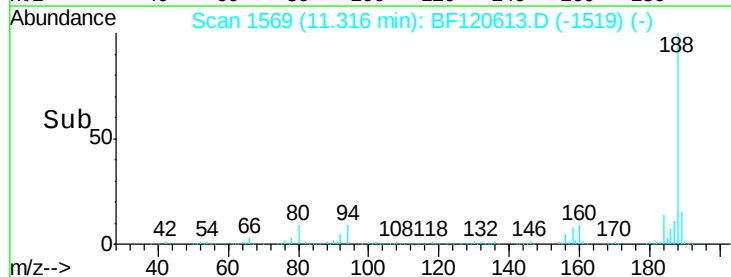
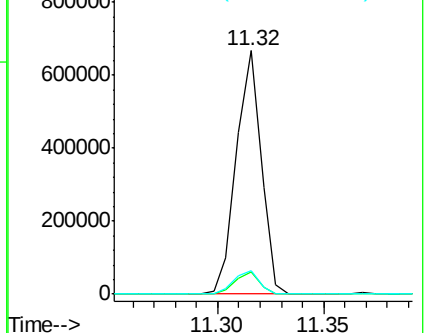
80 9.4 7.4 11.2

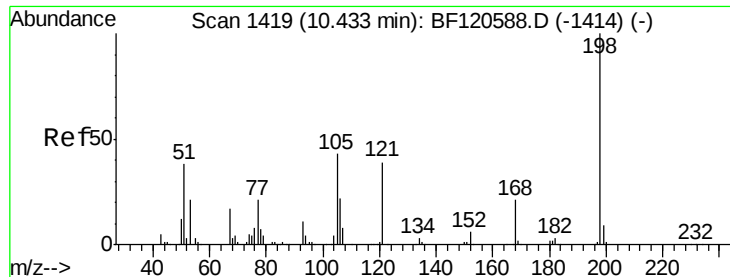


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

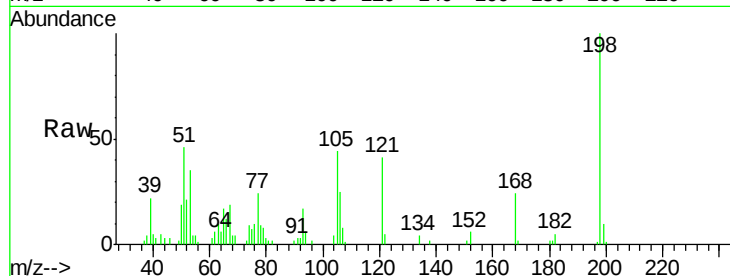




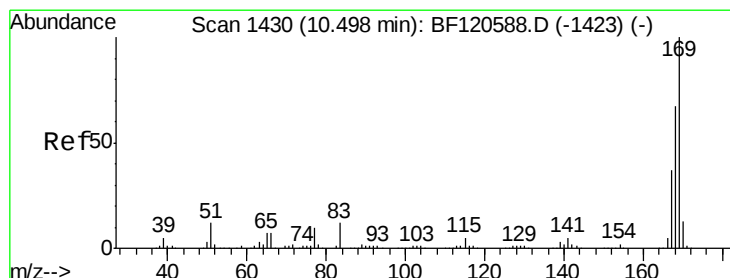
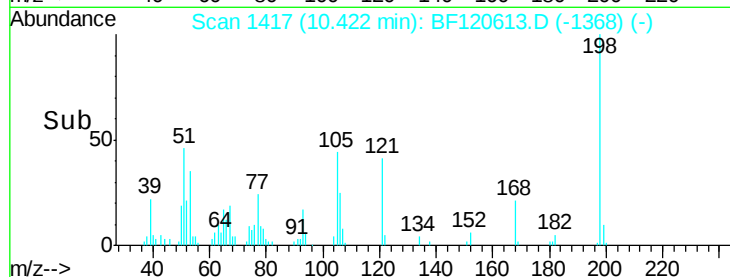
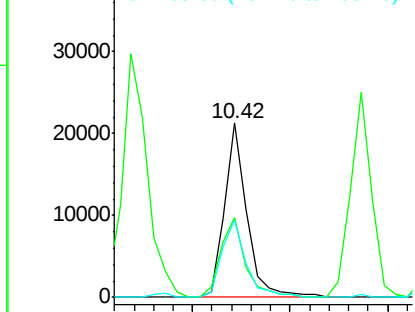
#65
4,6-Dinitro-2-methylphenol
Concen: 5.186 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:198 Resp: 16923
Ion Ratio Lower Upper
198 100
51 45.5 24.8 64.8
105 44.3 23.9 63.9

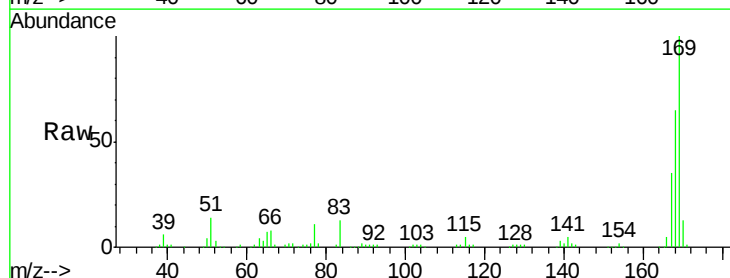


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

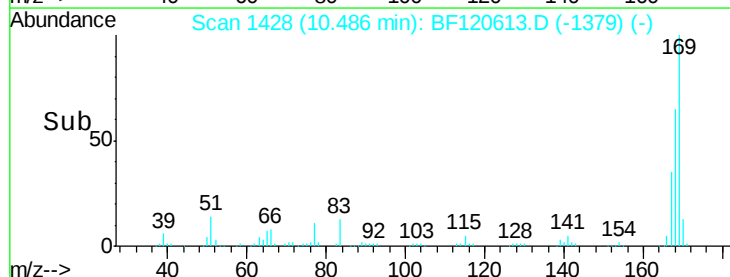
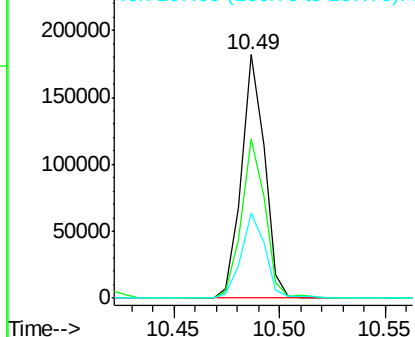


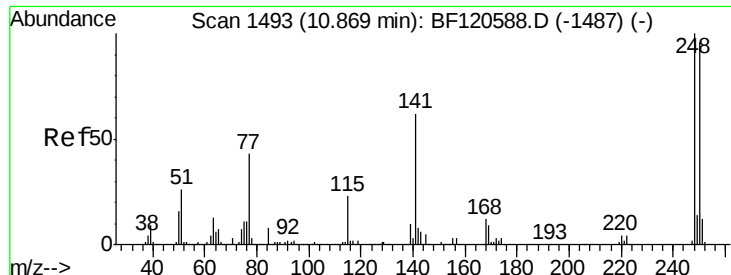
#66
n-Nitrosodiphenylamine
Concen: 8.247 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt Ion:169 Resp: 137722
Ion Ratio Lower Upper
169 100
168 65.1 53.7 80.5
167 34.8 29.9 44.9



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

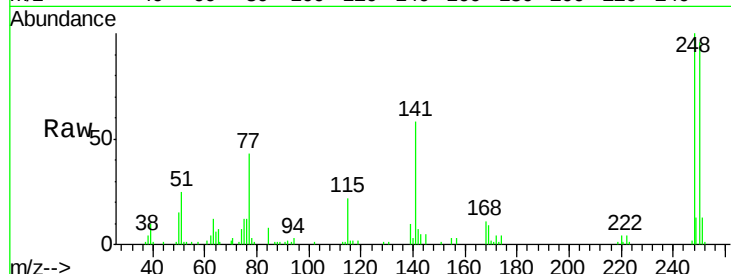




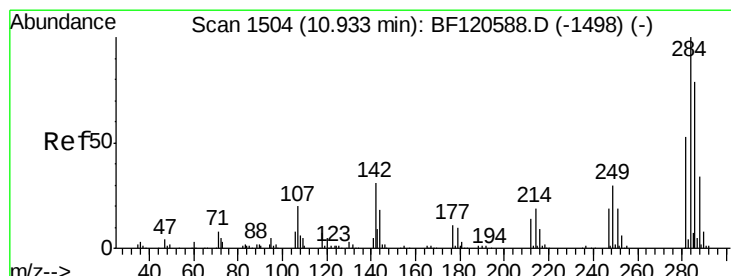
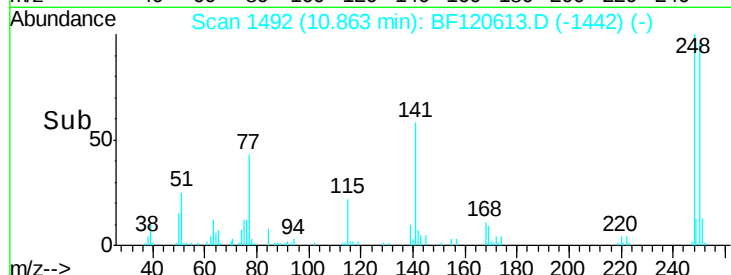
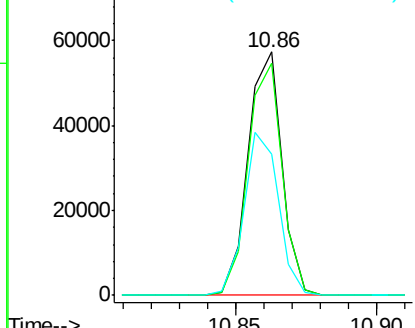
#67
4-Bromophenyl-phenylether
Concen: 7.748 ng
RT: 10.86 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:248 Resp: 47822
Ion Ratio Lower Upper
248 100
250 95.6 76.7 115.1
141 58.1 49.4 74.0

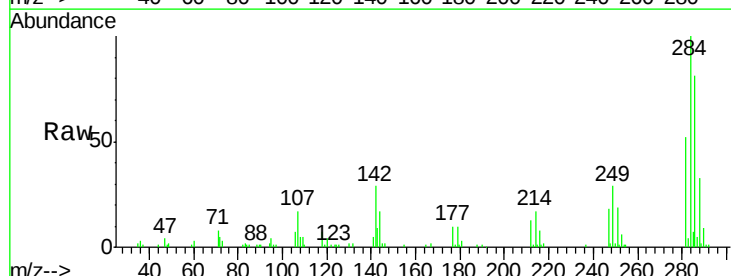


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

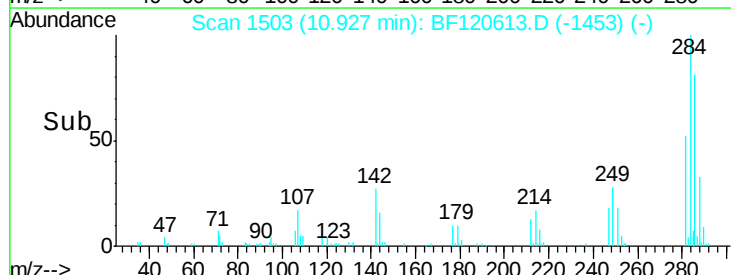
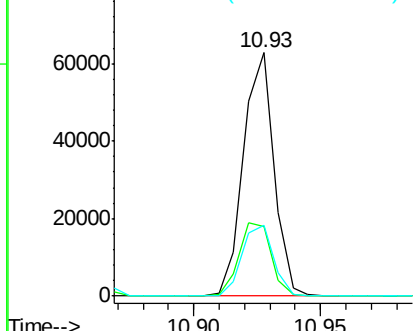


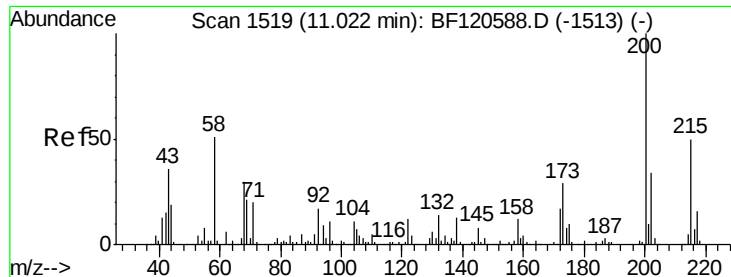
#68
Hexachlorobenzene
Concen: 7.947 ng
RT: 10.93 min Scan# 1503
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt Ion:284 Resp: 52732
Ion Ratio Lower Upper
284 100
142 28.7 25.1 37.7
249 29.0 24.0 36.0



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

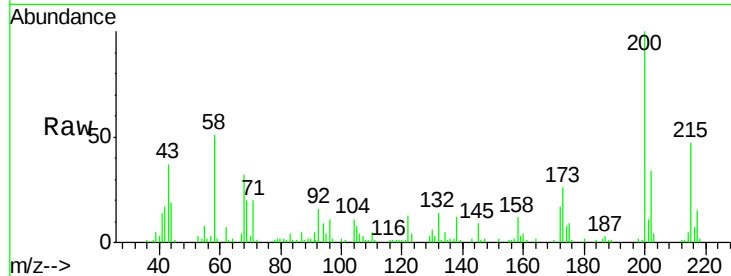




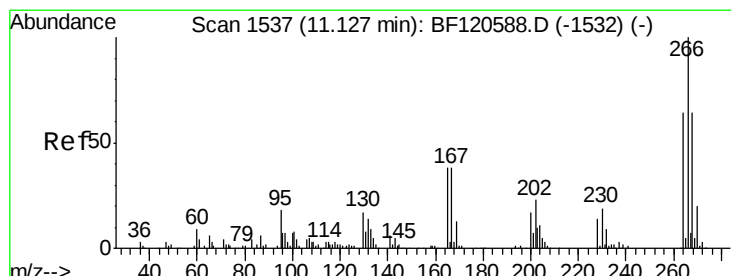
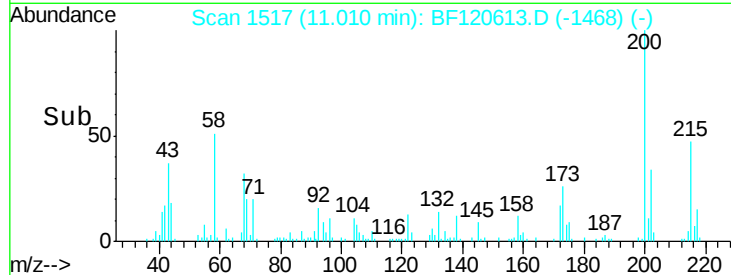
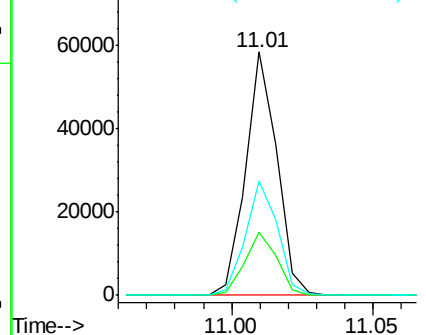
#69
 Atrazine
 Concen: 8.660 ng
 RT: 11.01 min Scan# 1517
 Delta R.T. -0.01 min
 Lab File: BF120613.D
 Acq: 12 Jun 2020 16:16

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion:200 Resp: 44755
 Ion Ratio Lower Upper
 200 100
 173 26.1 9.1 49.1
 215 47.2 29.8 69.8

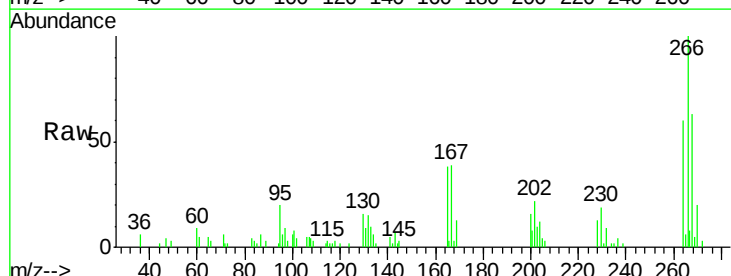


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

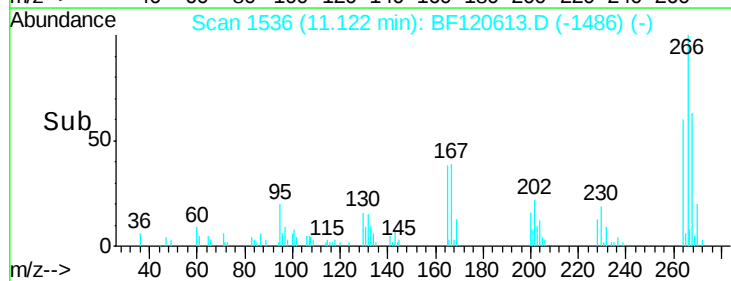
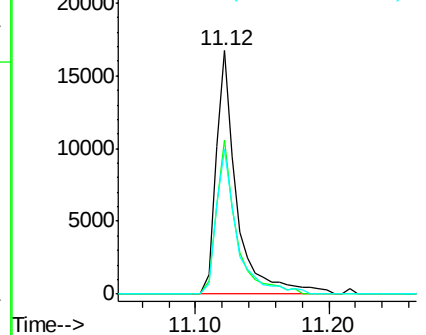


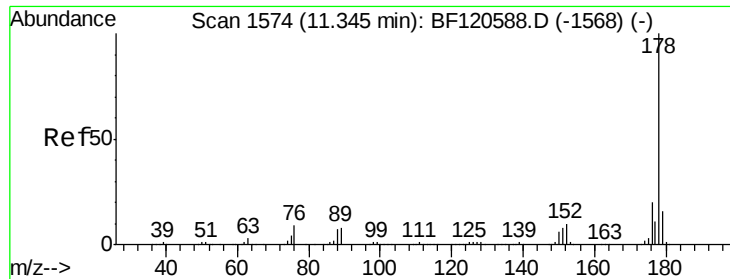
#70
 Pentachlorophenol
 Concen: 4.935 ng
 RT: 11.12 min Scan# 1536
 Delta R.T. -0.01 min
 Lab File: BF120613.D
 Acq: 12 Jun 2020 16:16

Tgt Ion:266 Resp: 18207
 Ion Ratio Lower Upper
 266 100
 268 68.0 51.4 77.0
 264 59.8 50.8 76.2



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

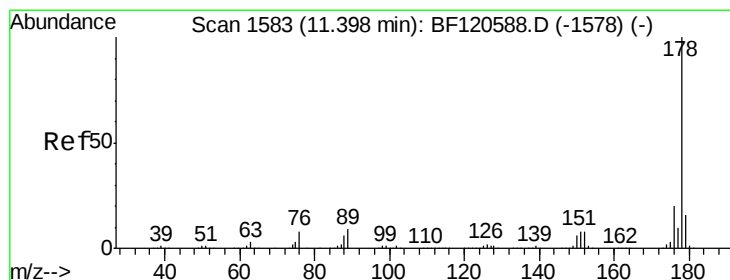
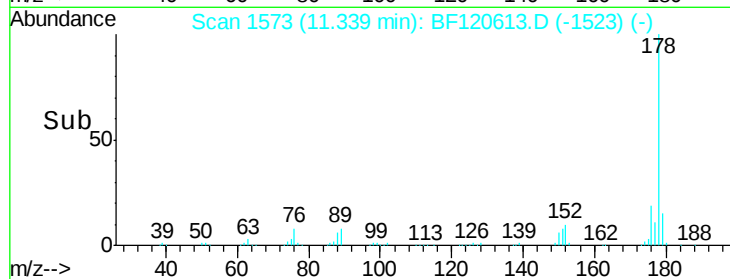
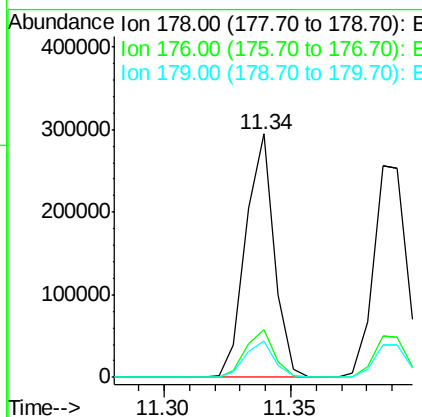
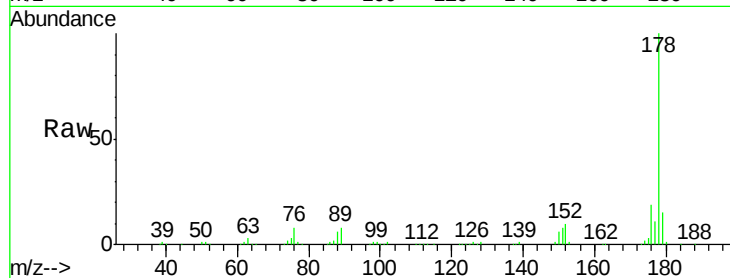




#71
 Phenanthrene
 Concen: 8.525 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF120613.D
 Acq: 12 Jun 2020 16:16

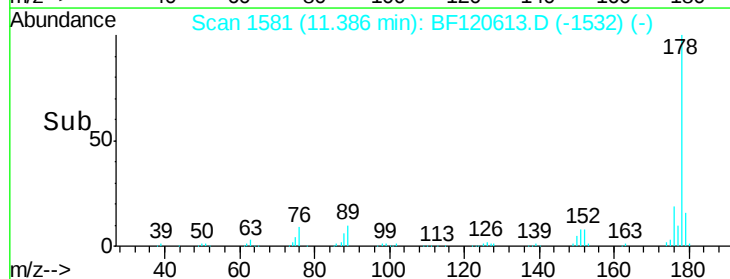
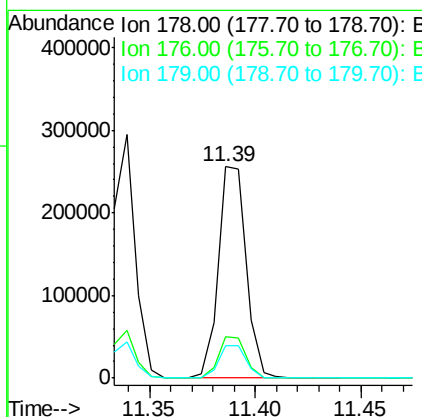
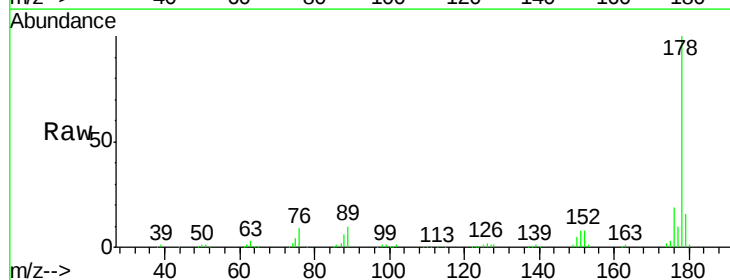
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

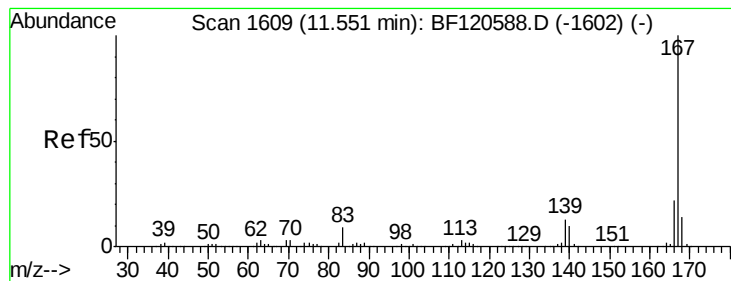
Tot Ion	178	Resp	230459
Ion Ratio	100	Lower	Upper
176	19.5	15.9	23.9
179	15.1	12.8	19.2



#72
 Anthracene
 Concen: 8.560 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF120613.D
 Acq: 12 Jun 2020 16:16

Tgt Ion	178	Resp	233252
Ion Ratio	100	Lower	Upper
176	19.4	15.6	23.4
179	15.5	12.9	19.3





#73

Carbazole

Concen: 7.992 ng

RT: 11.55 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

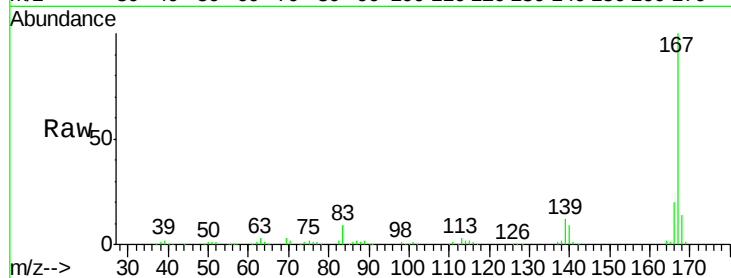
Tot Ion:167 Resp: 215567

Ion Ratio Lower Upper

167 100

166 20.5 17.2 25.8

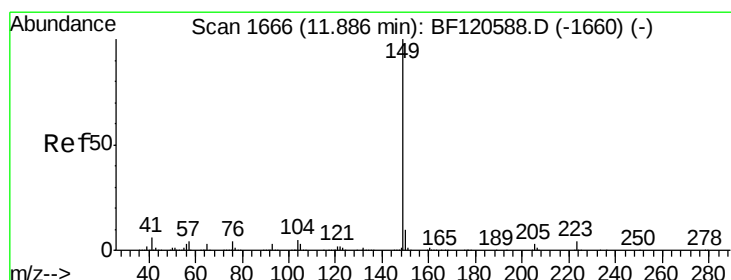
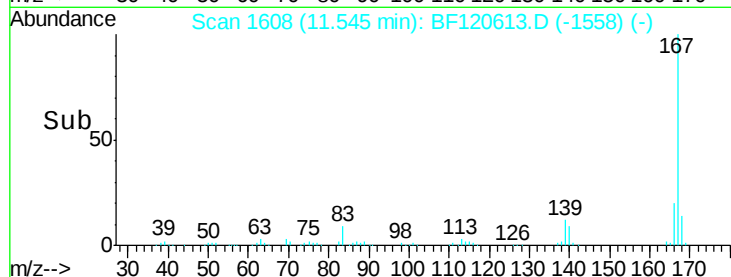
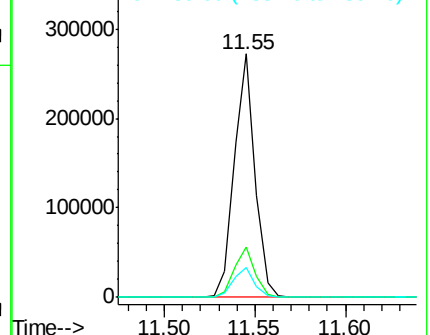
139 12.2 10.1 15.1



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 8.353 ng

RT: 11.87 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

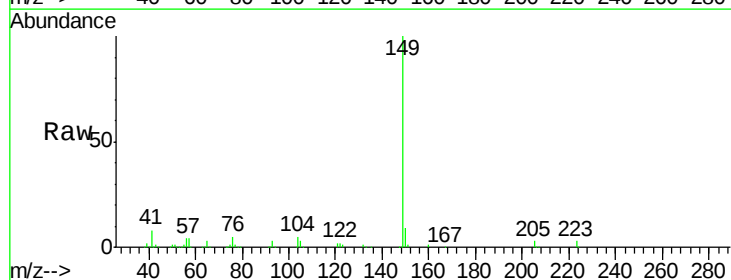
Tgt Ion:149 Resp: 253296

Ion Ratio Lower Upper

149 100

150 8.9 7.7 11.5

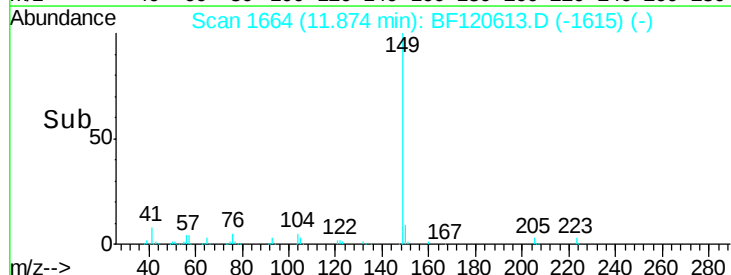
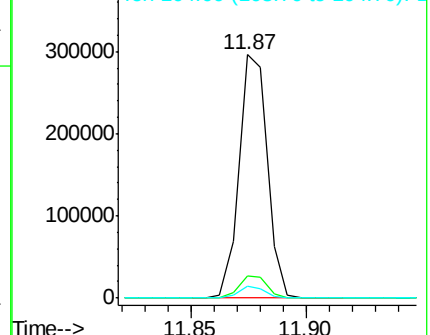
104 4.8 3.7 5.5

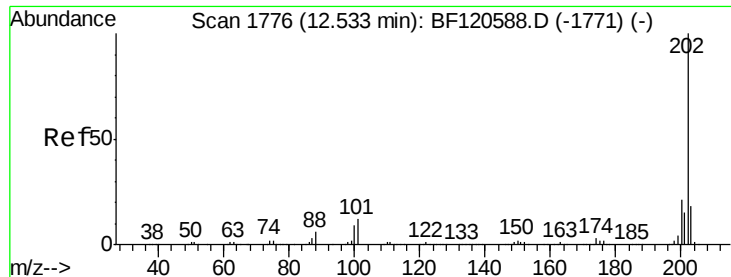


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

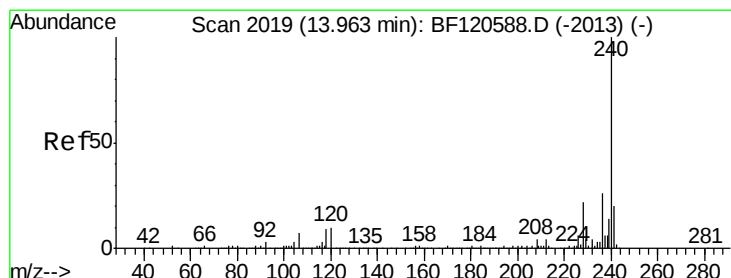
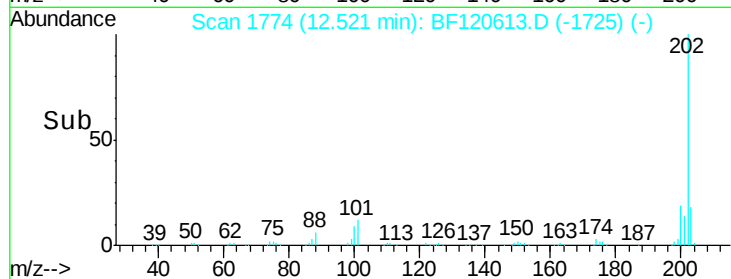
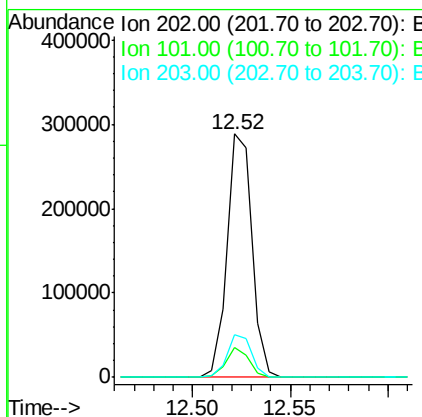
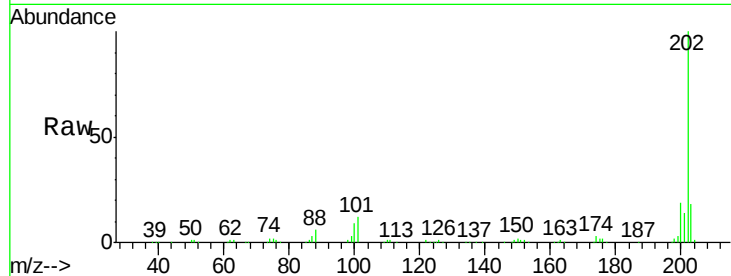




#75
 Fluoranthene
 Concen: 8.248 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. -0.01 min
 Lab File: BF120613.D
 Acq: 12 Jun 2020 16:16

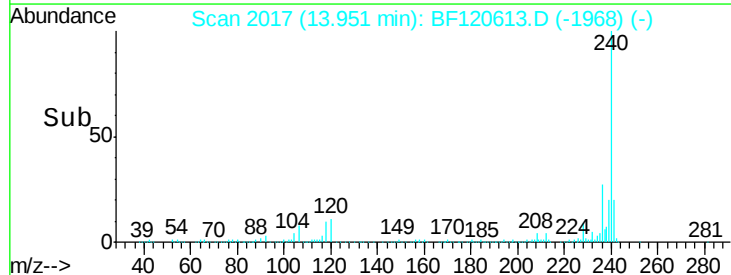
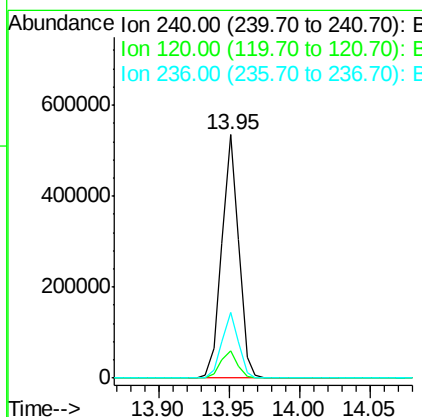
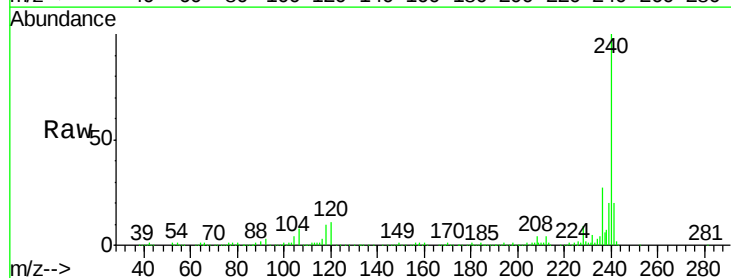
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.0
203	17.5	0.0	38.3



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF120613.D
 Acq: 12 Jun 2020 16:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.3	12.5
236	26.7	21.0	31.4





#77

Benzidine

Concen: 8.858 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

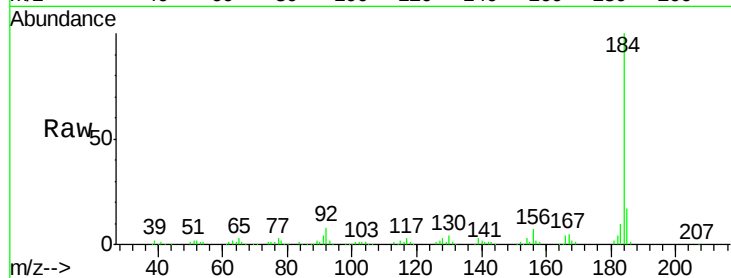
Tot Ion:184 Resp: 133718

Ion Ratio Lower Upper

184 100

185 16.7 11.4 17.0

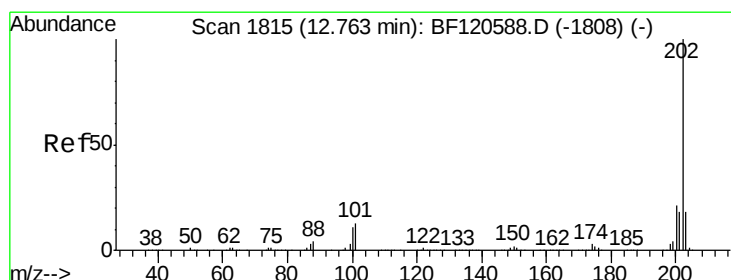
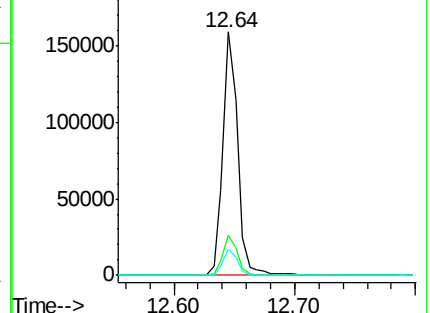
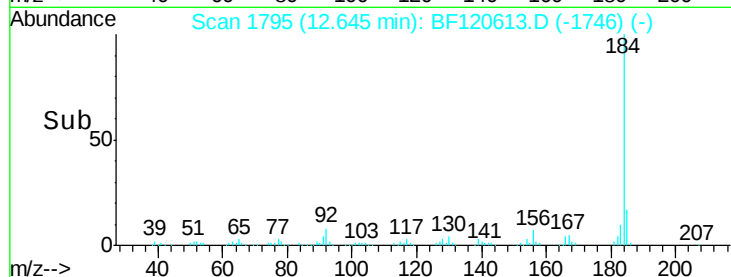
183 10.5 9.0 13.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 8.292 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

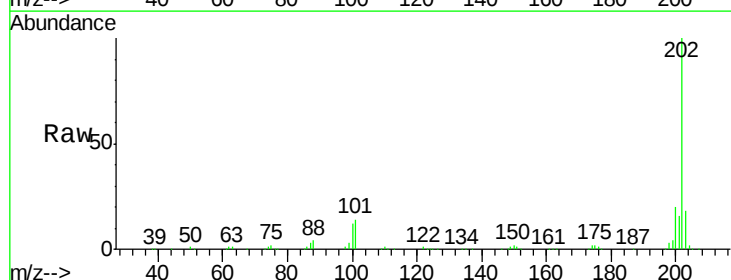
Tgt Ion:202 Resp: 262198

Ion Ratio Lower Upper

202 100

200 20.2 16.8 25.2

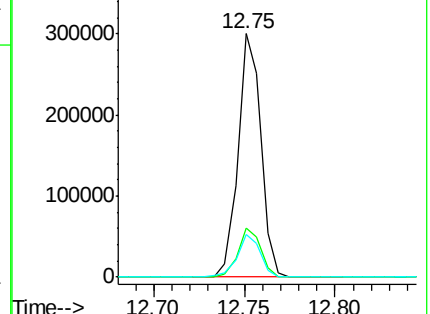
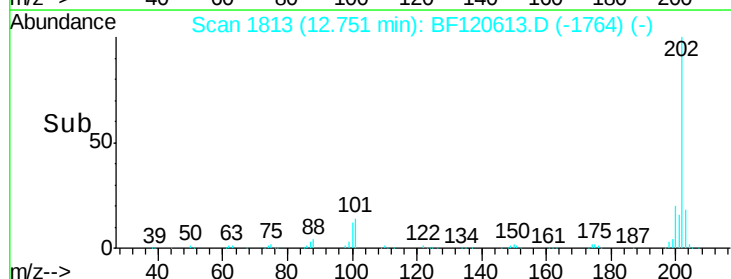
203 17.7 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 99.856 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

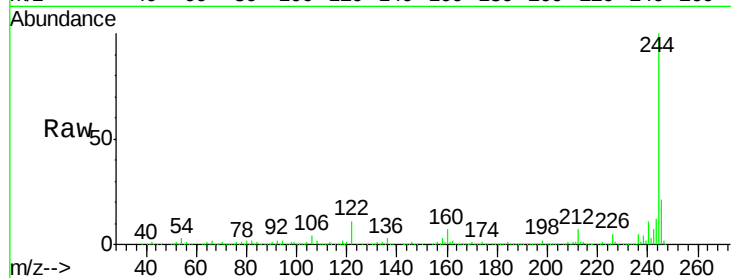
Tot Ion:244 Resp: 2017888

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

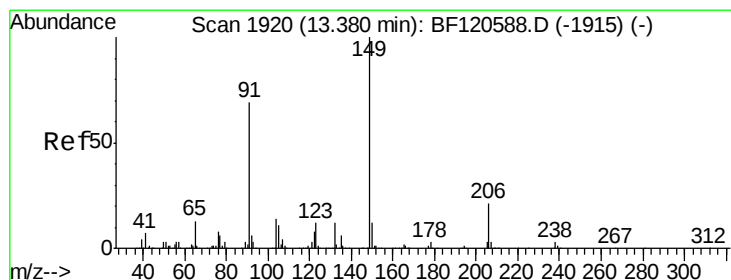
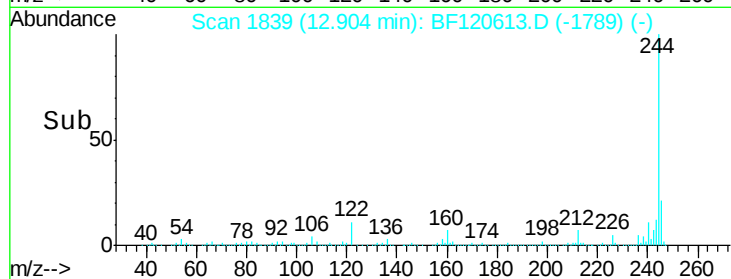
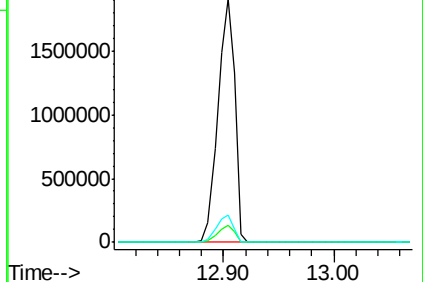
122 11.1 8.3 12.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 7.255 ng

RT: 13.37 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

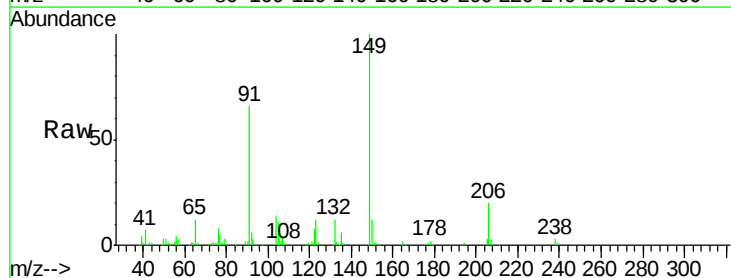
Tgt Ion:149 Resp: 101872

Ion Ratio Lower Upper

149 100

91 66.0 55.4 83.0

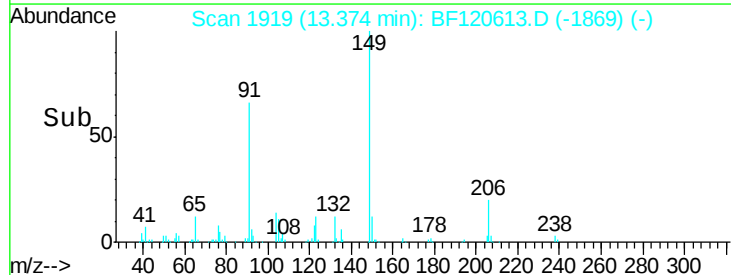
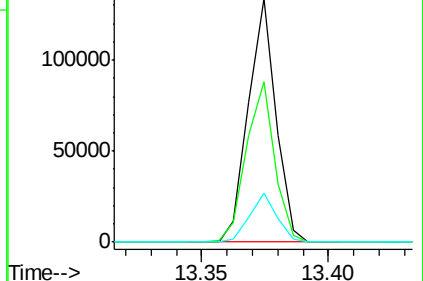
206 20.3 17.0 25.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 8.842 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

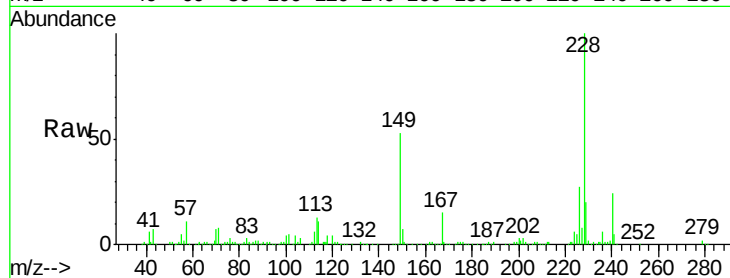
Tot Ion:228 Resp: 237131

Ion Ratio Lower Upper

228 100

226 27.1 22.5 33.7

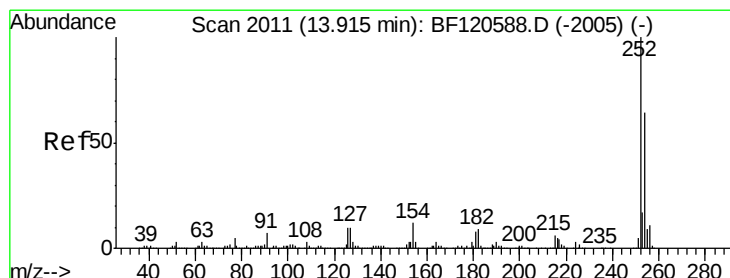
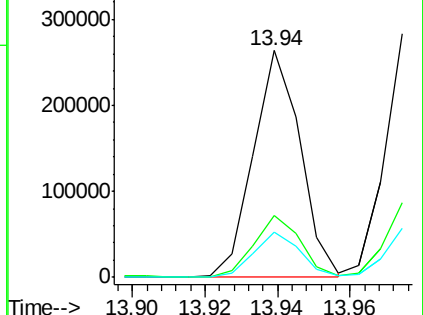
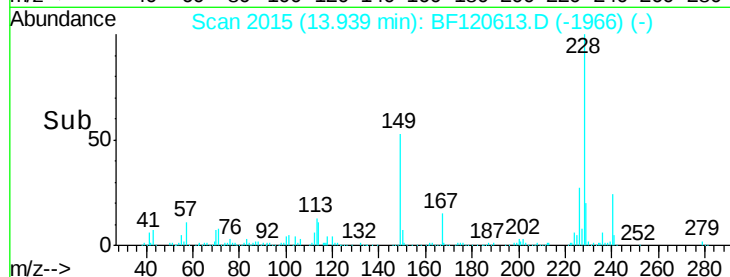
229 20.0 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 9.335 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

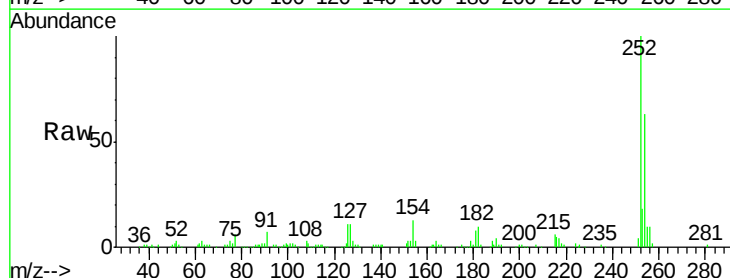
Tgt Ion:252 Resp: 95623

Ion Ratio Lower Upper

252 100

254 63.1 51.4 77.2

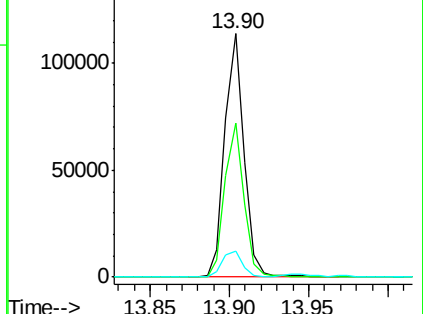
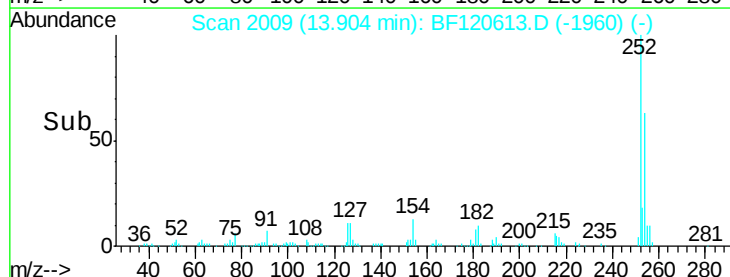
126 10.5 7.9 11.9

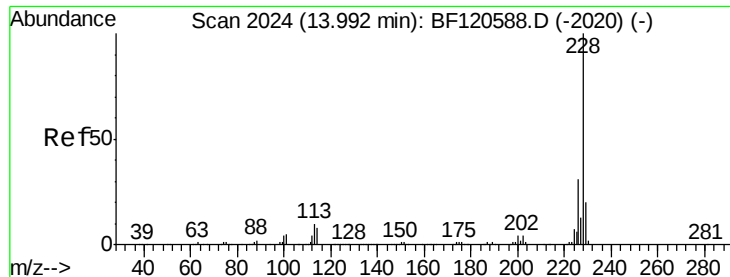


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

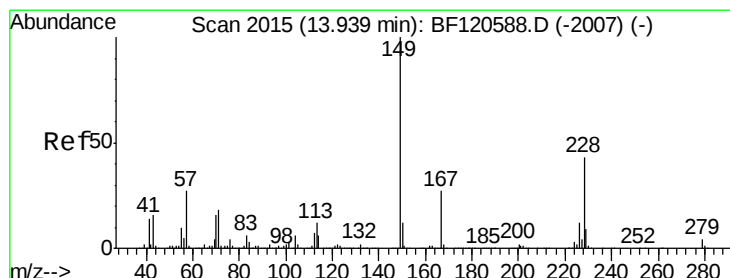
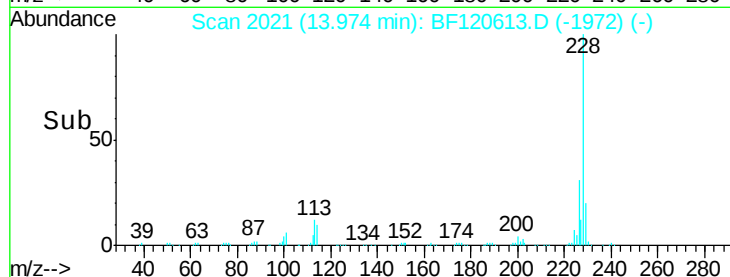
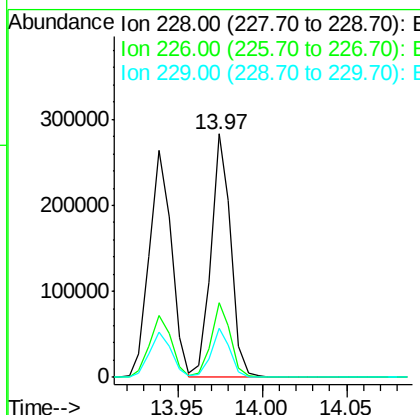
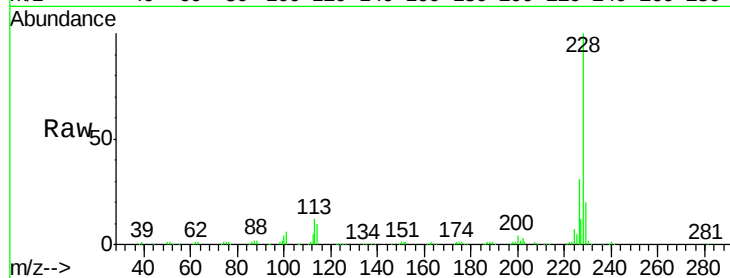




#83
Chrysene
Concen: 8.458 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

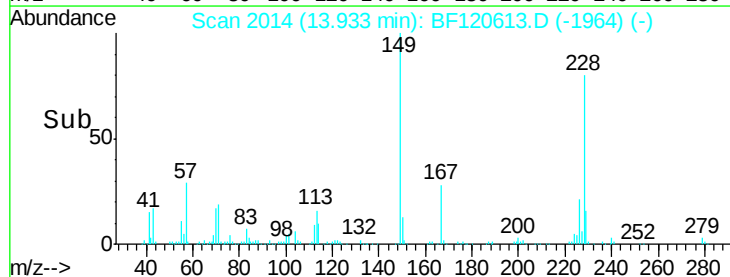
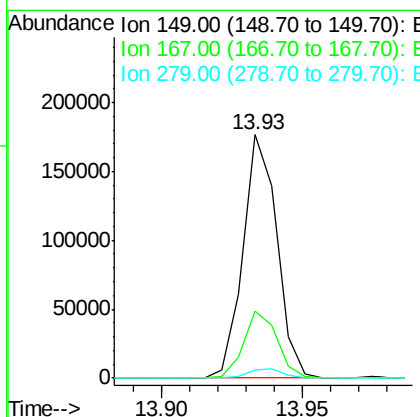
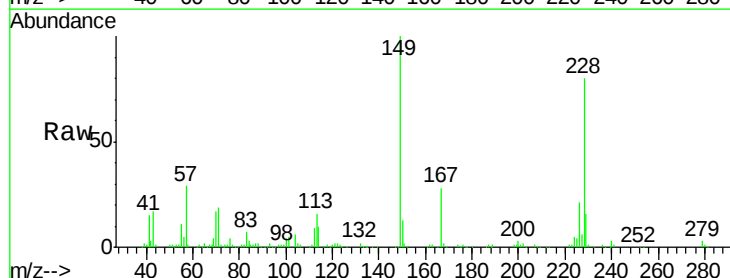
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:228 Resp: 232662
Ion Ratio Lower Upper
228 100
226 30.7 24.9 37.3
229 20.3 16.1 24.1



#84
Bis(2-ethylhexyl)phthalate
Concen: 8.610 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt Ion:149 Resp: 147540
Ion Ratio Lower Upper
149 100
167 27.7 22.0 33.0
279 3.5 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 7.761 ng

RT: 14.54 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

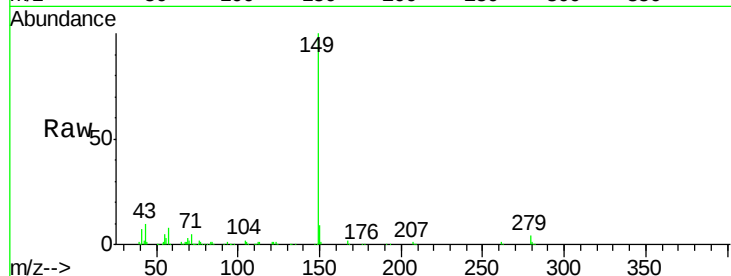
Tot Ion:149 Resp: 253805

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

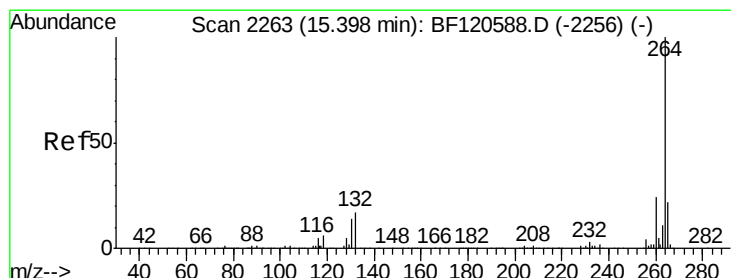
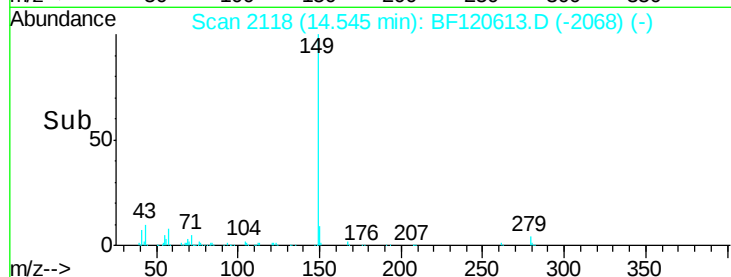
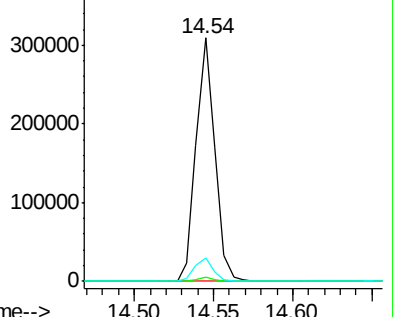
43 9.7 7.6 11.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2261

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

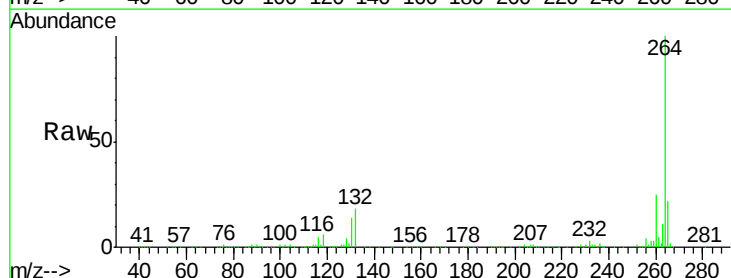
Tgt Ion:264 Resp: 505008

Ion Ratio Lower Upper

264 100

260 24.9 19.3 28.9

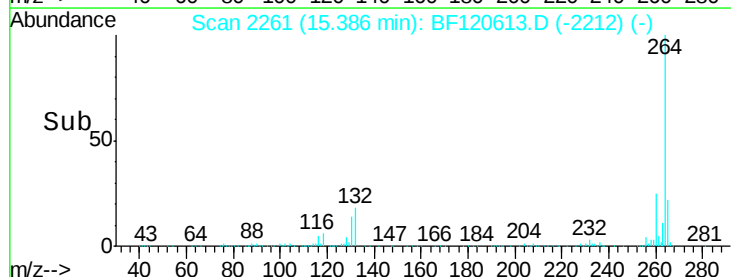
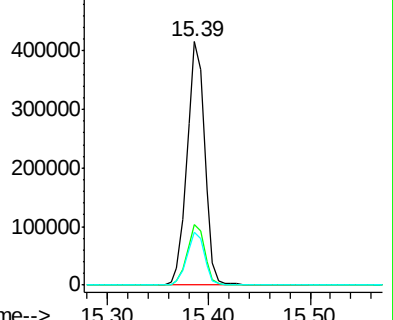
265 21.6 17.8 26.8

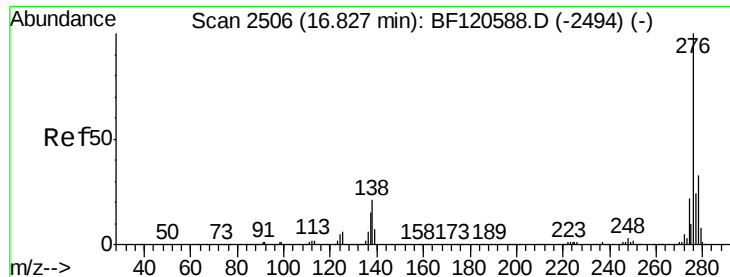


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

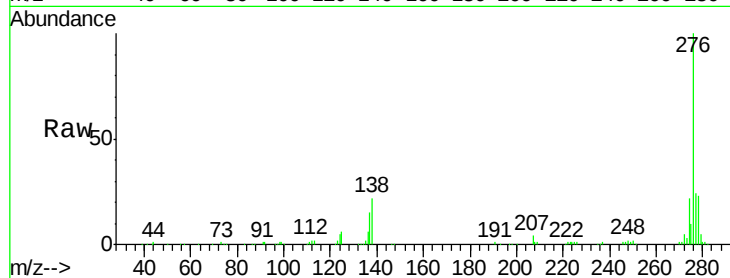




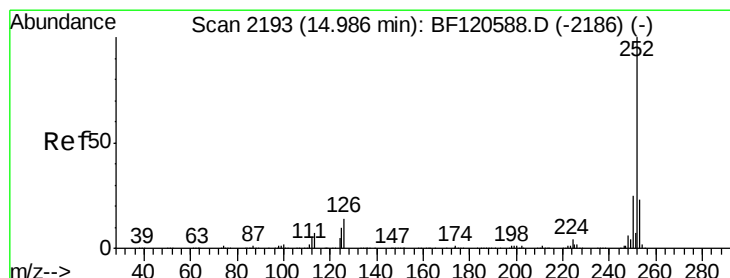
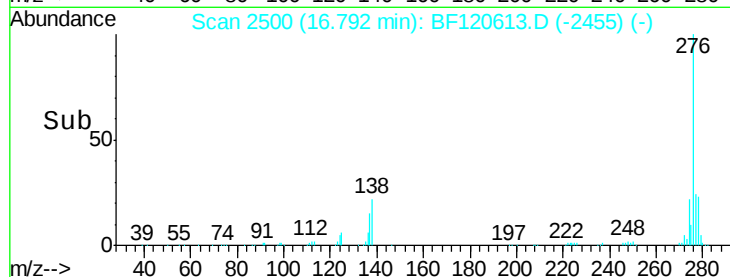
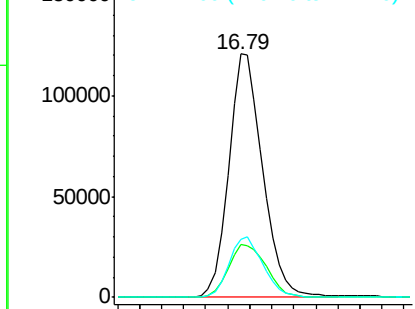
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.445 ng
 RT: 16.79 min Scan# 2500
 Delta R.T. -0.04 min
 Lab File: BF120613.D
 Acq: 12 Jun 2020 16:16

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	18.9	28.3
277	25.0	20.2	30.2

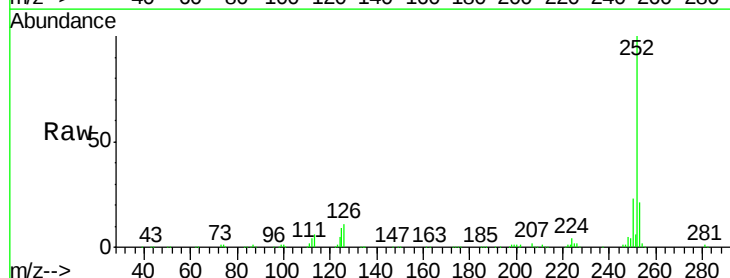


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

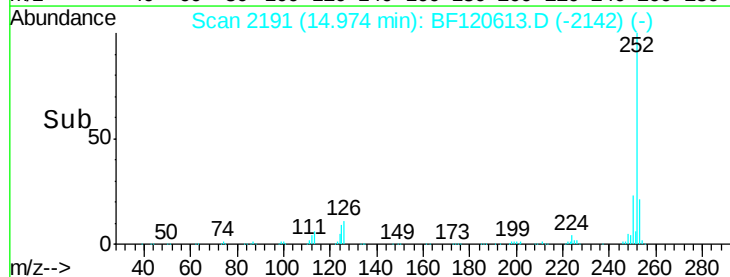
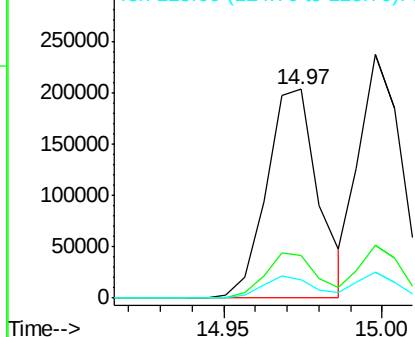


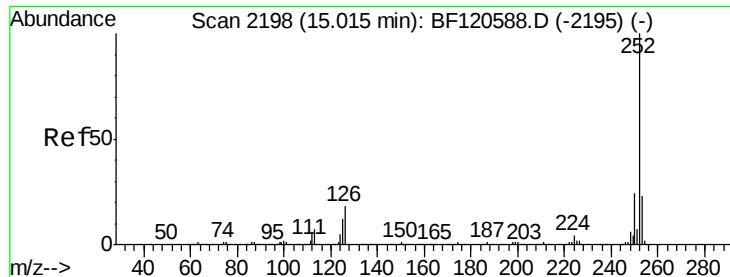
#88
 Benzo(b)fluoranthene
 Concen: 7.701 ng
 RT: 14.97 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BF120613.D
 Acq: 12 Jun 2020 16:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.7	18.1	27.1
125	8.8	8.3	12.5



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E

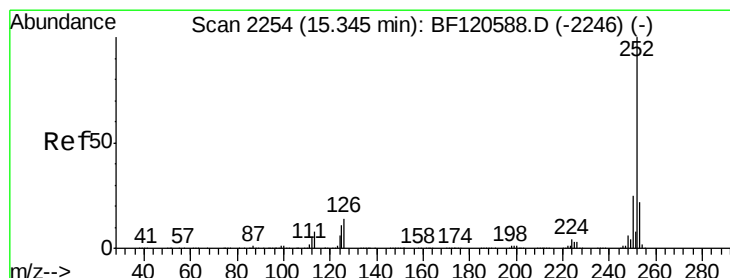
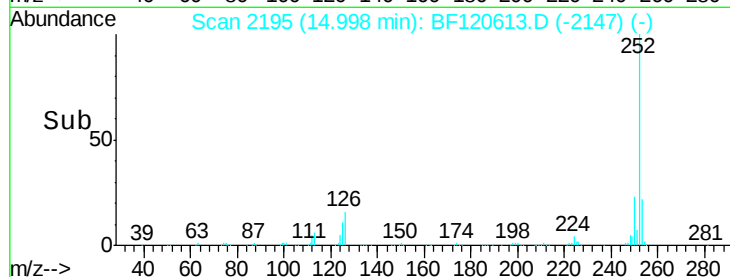
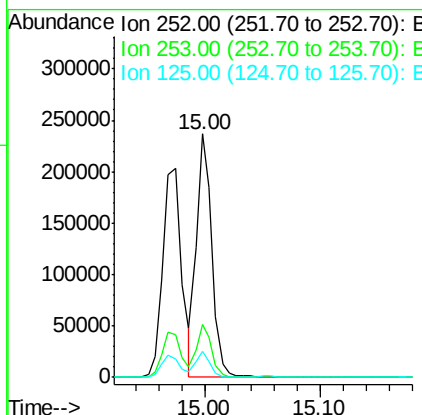
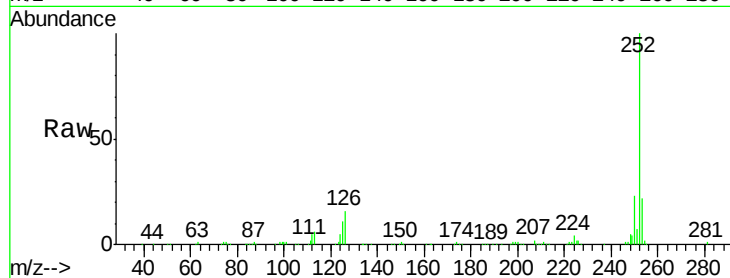




#89
Benzo(k)fluoranthene
Concen: 8.431 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

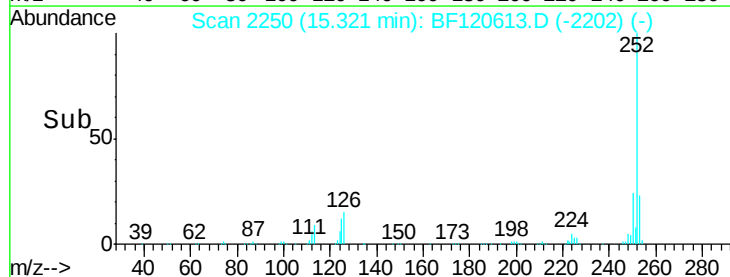
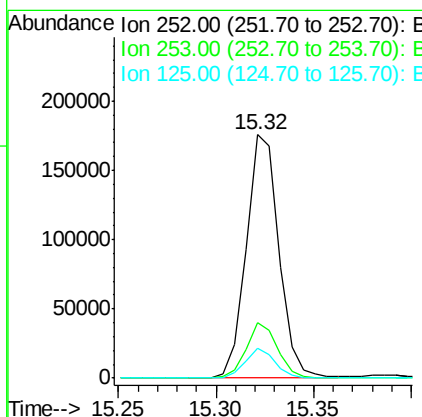
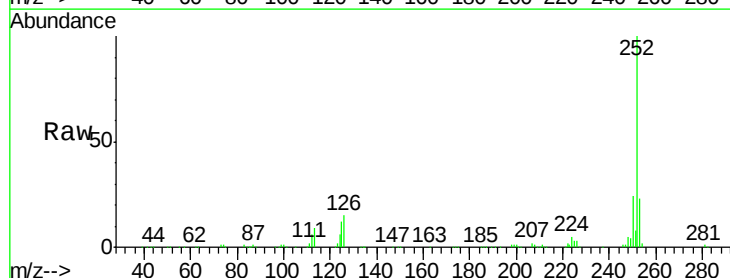
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

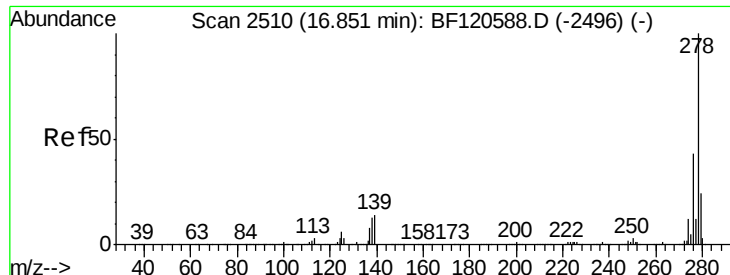
Tot Ion:252 Resp: 224410
Ion Ratio Lower Upper
252 100
253 21.9 18.0 27.0
125 10.5 8.3 12.5



#90
Benzo(a)pyrene
Concen: 7.586 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.02 min
Lab File: BF120613.D
Acq: 12 Jun 2020 16:16

Tgt Ion:252 Resp: 204242
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 12.2 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 8.944 ng

RT: 16.81 min Scan# 2503

Delta R.T. -0.04 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

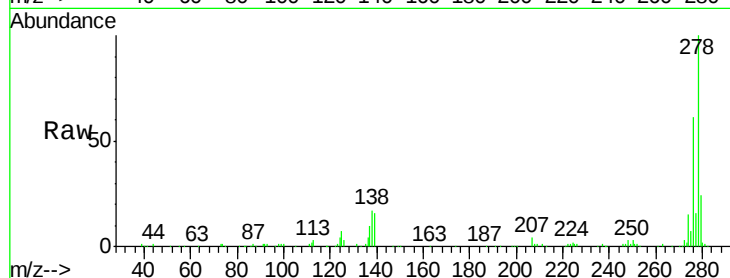
Tot Ion:278 Resp: 220322

Ion Ratio Lower Upper

278 100

139 15.7 11.4 17.2

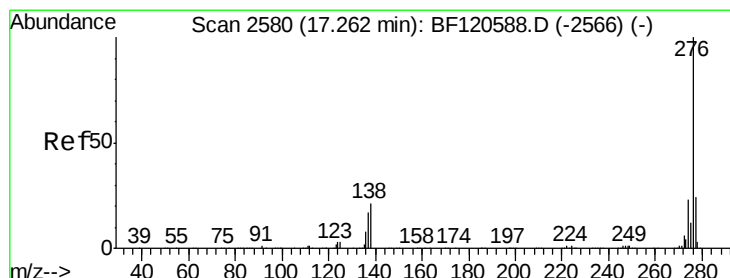
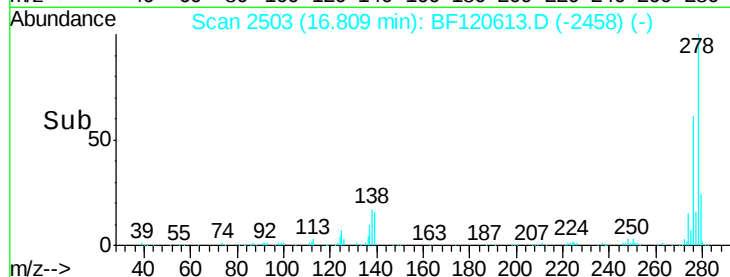
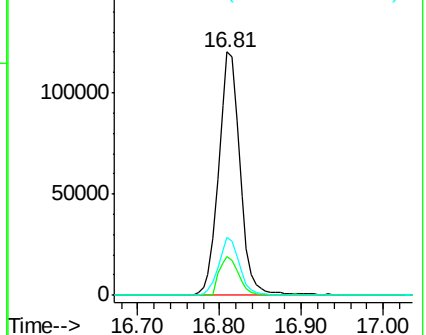
279 24.1 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 8.856 ng

RT: 17.22 min Scan# 2573

Delta R.T. -0.04 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

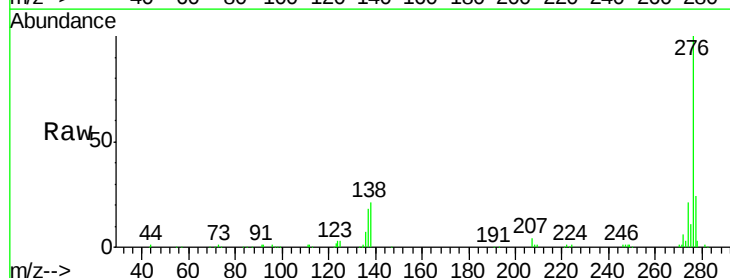
Tgt Ion:276 Resp: 219880

Ion Ratio Lower Upper

276 100

277 23.6 19.6 29.4

138 20.8 16.5 24.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

