

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061120\
 Data File : BF120601.D
 Acq On : 11 Jun 2020 14:29
 Operator : JU/CG
 Sample : L1161-02
 Misc : L00-SOIL-10PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Quant Time: Jun 11 15:24:45 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 14:06:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	149876	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	542987	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	286957	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	546726	20.00	ng	0.00
76) Chrysene-d12	13.96	240	441365	20.00	ng	0.00
86) Perylene-d12	15.39	264	498655	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1221543	139.73	ng	0.00
7) Phenol-d6	6.43	99	1525598	140.12	ng	0.00
23) Nitrobenzene-d5	7.36	82	981219	101.01	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	466314	139.77	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1762857	93.99	ng	0.00
79) Terphenyl-d14	12.91	244	1963291	98.26	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.47	88	37680	9.094	ng	98
3) Pyridine	3.26	79	75977	6.523	ng	97
4) n-Nitrosodimethylamine	3.15	42	44344	9.174	ng	# 99
6) Aniline	6.46	93	141461	10.152	ng	99
8) 2-Chlorophenol	6.59	128	92740	9.388	ng	98
9) Benzaldehyde	6.35	77	80164	11.640	ng	96
10) Phenol	6.45	94	123381	10.621	ng	96
11) bis(2-Chloroethyl)ether	6.53	93	91070	9.412	ng	97
12) 1,3-Dichlorobenzene	6.74	146	103278	9.834	ng	97
13) 1,4-Dichlorobenzene	6.82	146	104116	10.048	ng	99
14) 1,2-Dichlorobenzene	6.97	146	97040	9.614	ng	99
15) Benzyl Alcohol	6.93	79	88310	11.437	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.07	45	136781	9.817	ng	98
17) 2-Methylphenol	7.05	107	75085	8.912	ng	99
18) Hexachloroethane	7.31	117	37895	9.925	ng	92
19) n-Nitroso-di-n-propylamine	7.20	70	66419	10.516	ng	97
20) 3+4-Methylphenols	7.20	107	97448	9.256	ng	# 75
22) Acetophenone	7.20	105	136391	11.235	ng	# 97
24) Nitrobenzene	7.38	77	100735	9.909	ng	99
25) Isophorone	7.62	82	179800	9.502	ng	96
26) 2-Nitrophenol	7.70	139	46494	8.645	ng	94
27) 2,4-Dimethylphenol	7.73	122	70564	8.911	ng	99
28) bis(2-Chloroethoxy)methane	7.83	93	114899	10.475	ng	99
29) 2,4-Dichlorophenol	7.94	162	77521	9.631	ng	98
30) 1,2,4-Trichlorobenzene	8.02	180	88186	9.886	ng	98
31) Naphthalene	8.10	128	286622	10.750	ng	99
32) Benzoic acid	7.80	122	25521	4.201	ng	92
33) 4-Chloroaniline	8.15	127	116686	9.535	ng	99
34) Hexachlorobutadiene	8.22	225	50737	9.758	ng	98
35) Caprolactam	8.49	113	25640	9.960	ng	90
36) 4-Chloro-3-methylphenol	8.63	107	79393	9.873	ng	99
37) 2-Methylnaphthalene	8.79	142	190795	10.962	ng	98
38) 1-Methylnaphthalene	8.89	142	180106	10.997	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	91105	10.633	ng	99

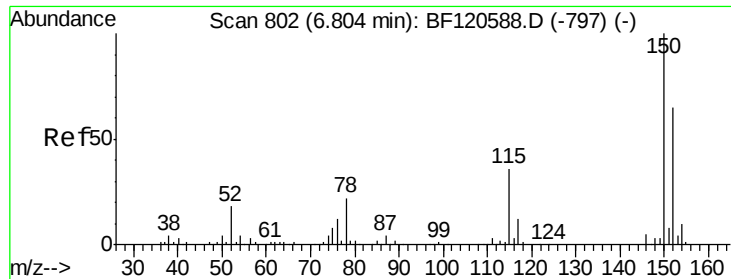
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061120\
 Data File : BF120601.D
 Acq On : 11 Jun 2020 14:29
 Operator : JU/CG
 Sample : L1161-02
 Misc : L00-SOIL-10PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Jun 11 15:24:45 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 14:06:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	38116	7.938	ng	96
43) 2,4,6-Trichlorophenol	9.07	196	54984	9.046	ng	98
44) 2,4,5-Trichlorophenol	9.11	196	58890	8.540	ng	99
46) 1,1'-Biphenyl	9.26	154	243404	11.360	ng	97
47) 2-Chloronaphthalene	9.28	162	176302	10.062	ng	99
48) 2-Nitroaniline	9.37	65	49379	8.973	ng	97
49) Acenaphthylene	9.69	152	282896	10.461	ng	99
50) Dimethylphthalate	9.55	163	197418	9.552	ng	98
51) 2,6-Dinitrotoluene	9.61	165	41964	8.960	ng	88
52) Acenaphthene	9.86	154	172624	10.703	ng	99
53) 3-Nitroaniline	9.78	138	45978	8.173	ng	99
54) 2,4-Dinitrophenol	9.89	184	12515	4.984	ng	97
55) Dibenzofuran	10.04	168	259709	10.502	ng	100
56) 4-Nitrophenol	9.94	139	31940	7.539	ng	90
57) 2,4-Dinitrotoluene	10.02	165	53667	8.635	ng	92
58) Fluorene	10.38	166	197942	10.383	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.16	232	46563	8.583	ng	96
60) Diethylphthalate	10.25	149	201456	9.897	ng	99
61) 4-Chlorophenyl-phenylether	10.37	204	100454	10.204	ng	95
62) 4-Nitroaniline	10.39	138	46836	8.386	ng	96
63) Azobenzene	10.53	77	194536	10.529	ng	97
65) 4,6-Dinitro-2-methylphenol	10.42	198	21616	6.589	ng	88
66) n-Nitrosodiphenylamine	10.49	169	173499	10.334	ng	98
67) 4-Bromophenyl-phenylether	10.86	248	58822	9.480	ng	97
68) Hexachlorobenzene	10.93	284	65947	9.885	ng	98
69) Atrazine	11.02	200	56468	10.869	ng	99
70) Pentachlorophenol	11.12	266	24601	6.633	ng	98
71) Phenanthrene	11.34	178	289472	10.651	ng	98
72) Anthracene	11.39	178	293428	10.711	ng	98
73) Carbazole	11.54	167	264324	9.747	ng	99
74) Di-n-butylphthalate	11.88	149	314178	10.305	ng	99
75) Fluoranthene	12.53	202	315822	10.164	ng	98
77) Benzidine	12.65	184	171215	11.470	ng	# 93
78) Pyrene	12.76	202	326094	10.429	ng	98
80) Butylbenzylphthalate	13.37	149	127898	9.212	ng	96
81) Benzo(a)anthracene	13.94	228	297916	11.235	ng	99
82) 3,3'-Dichlorobenzidine	13.90	252	117640	11.615	ng	# 97
83) Chrysene	13.98	228	285647	10.502	ng	99
84) Bis(2-ethylhexyl)phthalate	13.94	149	191392	11.295	ng	100
85) Di-n-octyl phthalate	14.55	149	320081	9.898	ng	99
87) Indeno(1,2,3-cd)pyrene	16.80	276	321362	10.595	ng	98
88) Benzo(b)fluoranthene	14.97	252	291615	9.817	ng	100
89) Benzo(k)fluoranthene	15.00	252	265233	10.091	ng	100
90) Benzo(a)pyrene	15.33	252	254021	9.556	ng	97
91) Dibenzo(a,h)anthracene	16.82	278	273633	11.250	ng	98
92) Benzo(g,h,i)perylene	17.23	276	273576	11.159	ng	96

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

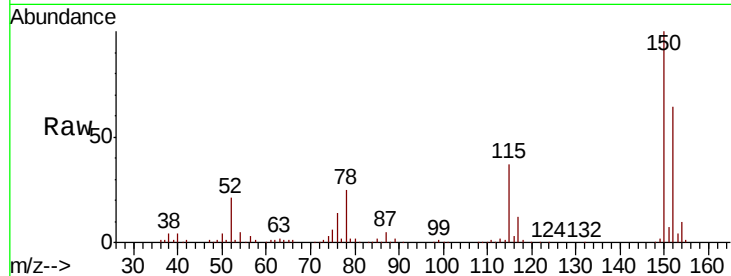


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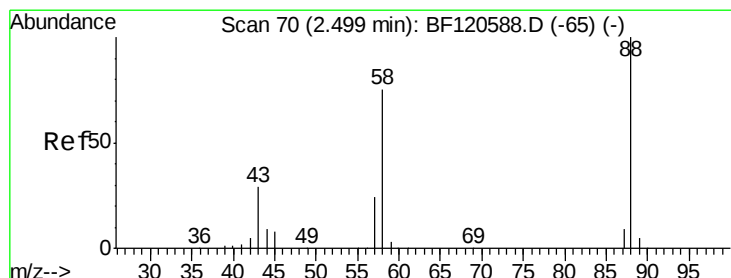
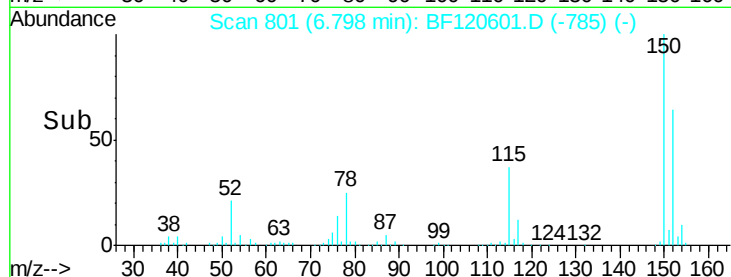
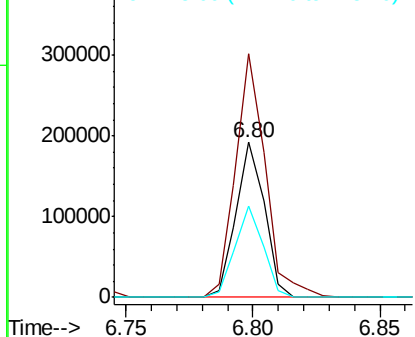
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:152 Resp: 149876
Ion Ratio Lower Upper
152 100
150 157.2 123.2 184.8
115 58.9 43.9 65.9



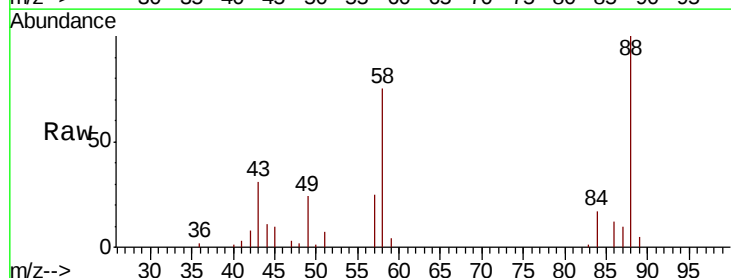
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



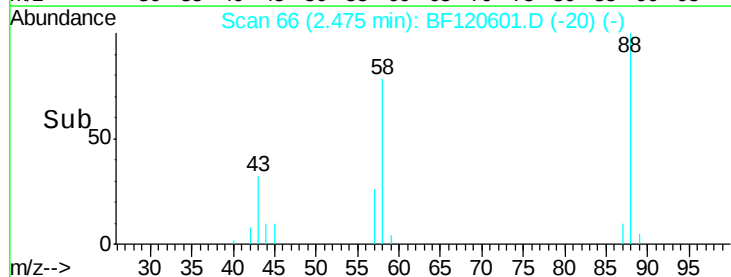
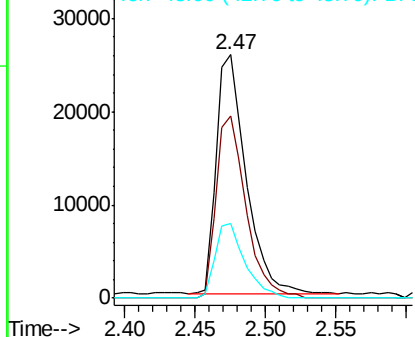
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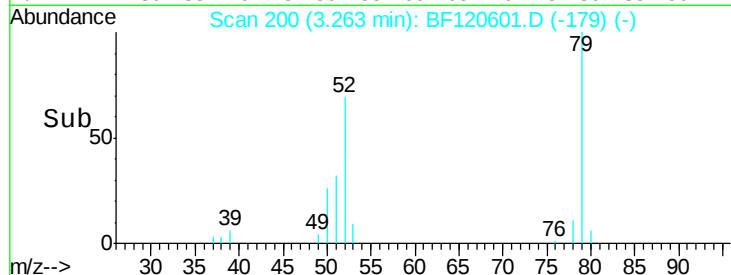
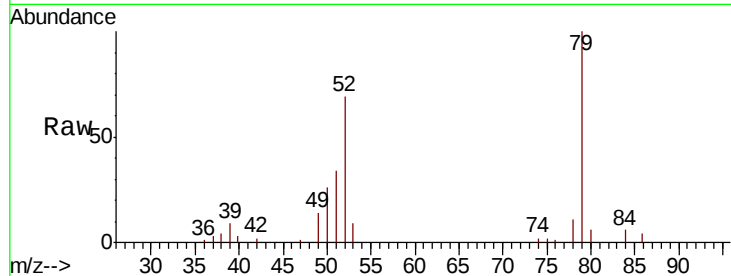
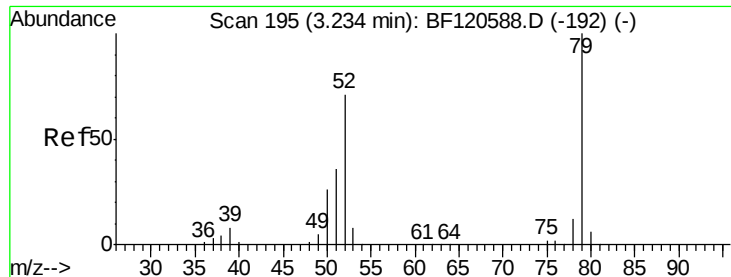
1,4-Dioxane
Concen: 9.094 ng
RT: 2.47 min Scan# 66
Delta R.T. -0.03 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion: 88 Resp: 37680
Ion Ratio Lower Upper
88 100
58 75.7 59.6 89.4
43 30.9 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

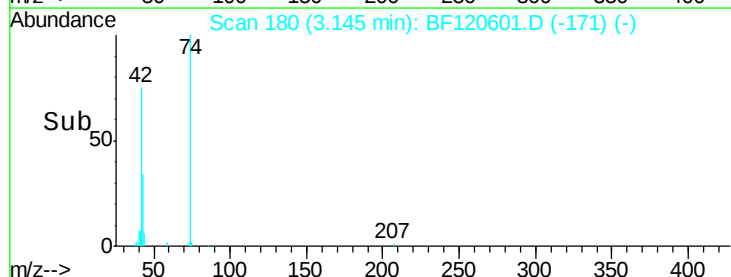
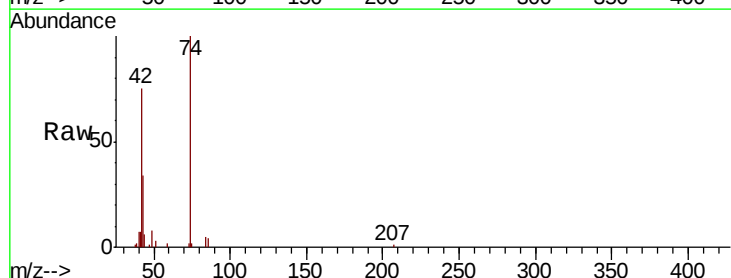
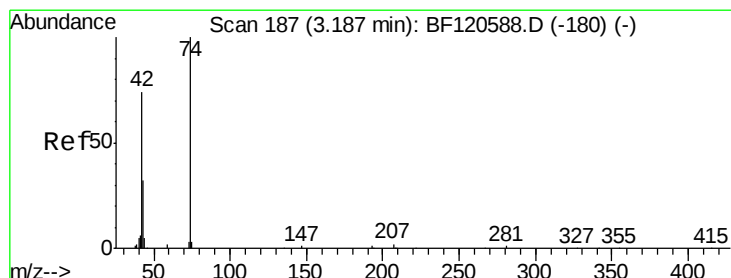
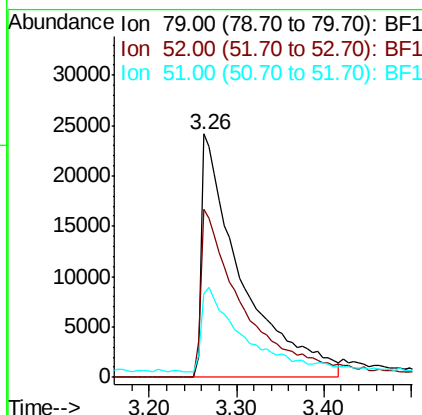




#3
 Pvridine
 Concen: 6.523 ng
 RT: 3.26 min Scan# 200
 Delta R.T. 0.02 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

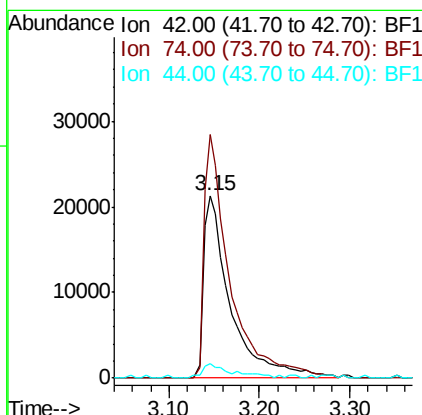
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

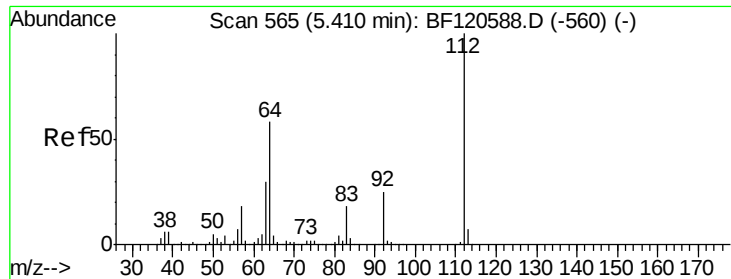
Tot Ion: 79 Resp: 75977
 Ion Ratio Lower Upper
 79 100
 52 68.9 57.0 85.6
 51 34.4 28.5 42.7



#4
 n-Nitrosodimethylamine
 Concen: 9.174 ng
 RT: 3.15 min Scan# 180
 Delta R.T. -0.05 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion: 42 Resp: 44344
 Ion Ratio Lower Upper
 42 100
 74 133.5 107.8 161.6
 44 7.9 5.1 7.7#

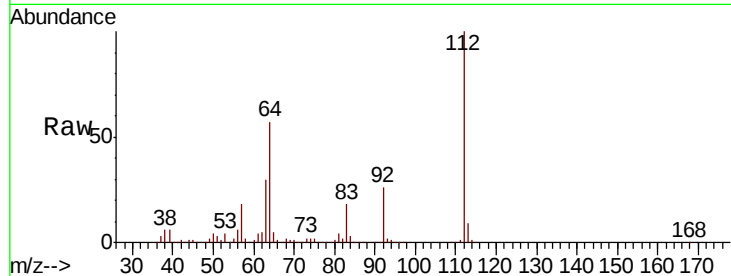




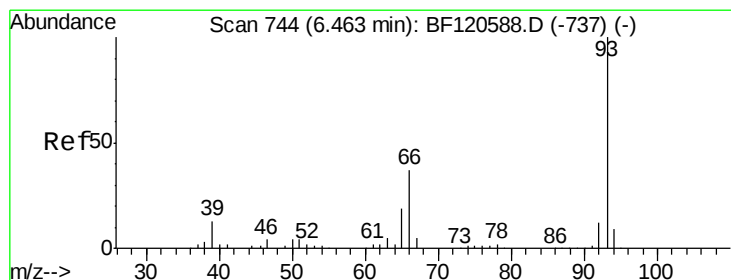
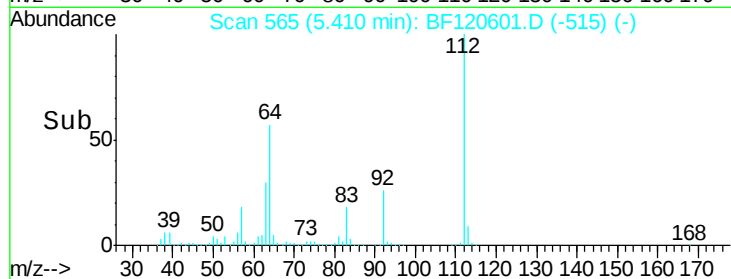
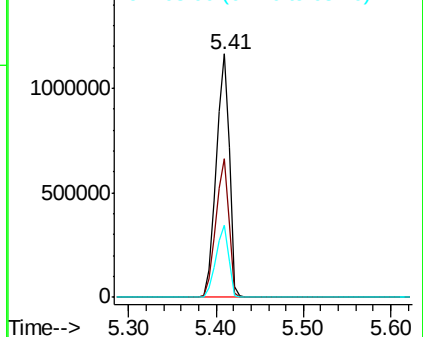
#5
2-Fluorophenol
Concen: 139.734 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:112 Resp: 1221543
Ion Ratio Lower Upper
112 100
64 56.8 46.1 69.1
63 29.5 23.7 35.5

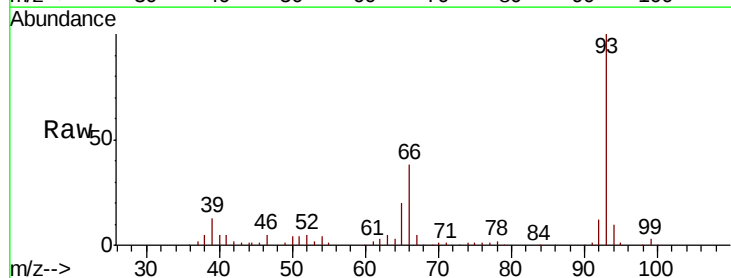


Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1

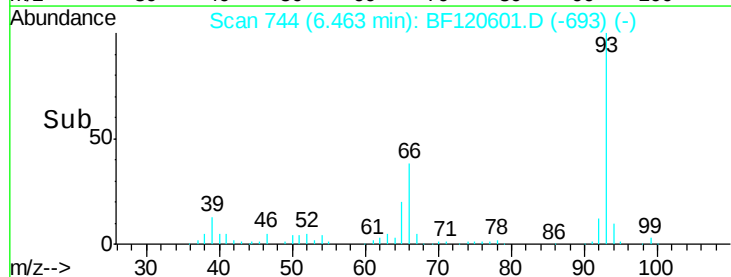
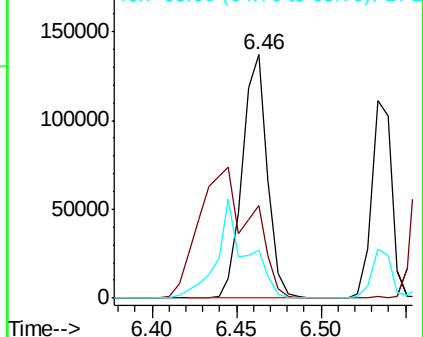


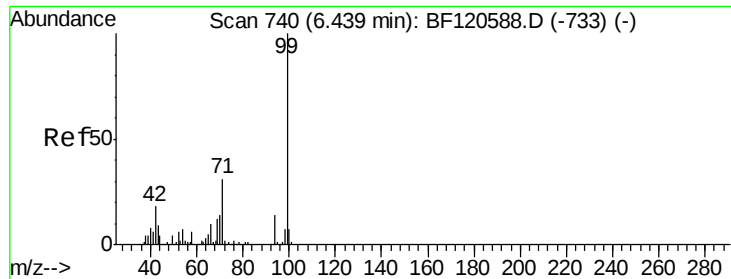
#6
Aniline
Concen: 10.152 ng
RT: 6.46 min Scan# 744
Delta R.T. 0.00 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion: 93 Resp: 141461
Ion Ratio Lower Upper
93 100
66 38.0 30.9 46.3
65 19.6 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: 140.117 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

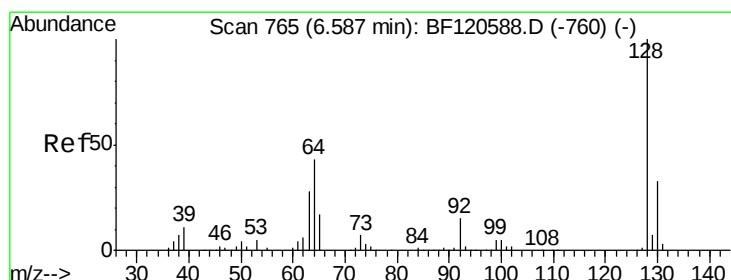
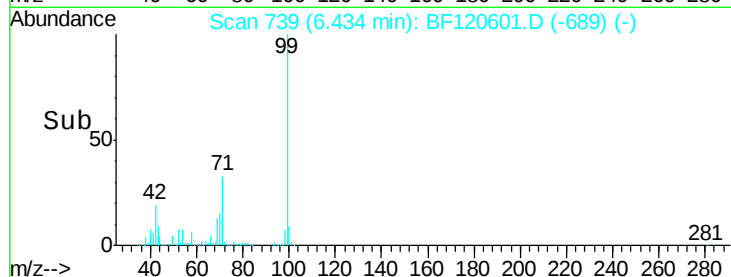
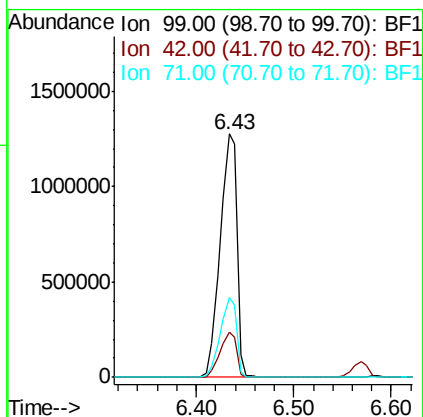
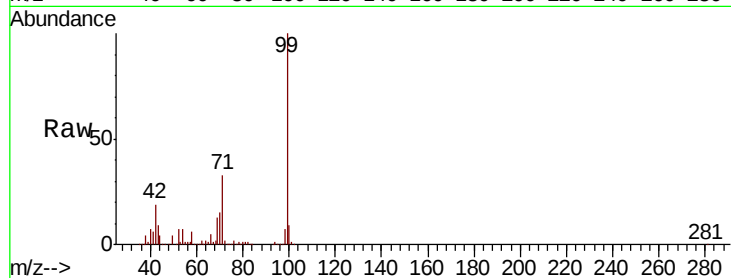
Tot Ion: 99 Resp: 1525598

Ion Ratio Lower Upper

99 100

42 18.8 14.0 21.0

71 32.7 24.9 37.3



#8

2-Chlorophenol

Concen: 9.388 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

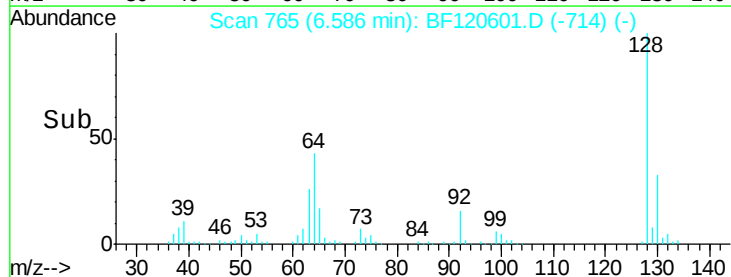
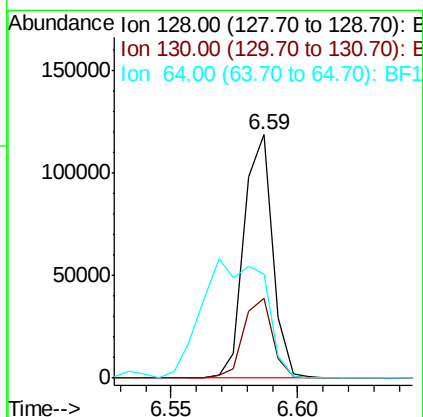
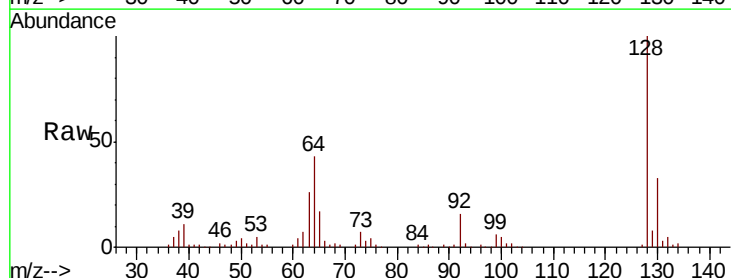
Tgt Ion: 128 Resp: 92740

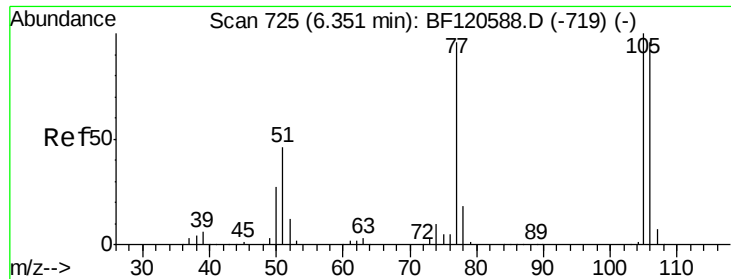
Ion Ratio Lower Upper

128 100

130 32.9 12.6 52.6

64 42.5 24.3 64.3





#9

Benzaldehyde

Concen: 11.640 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

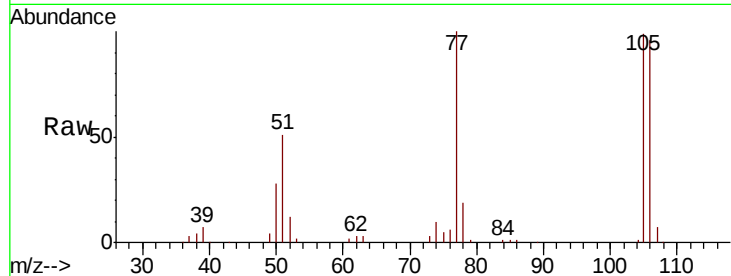
Tot Ion: 77 Resp: 80164

Ion Ratio Lower Upper

77 100

105 99.1 83.8 123.8

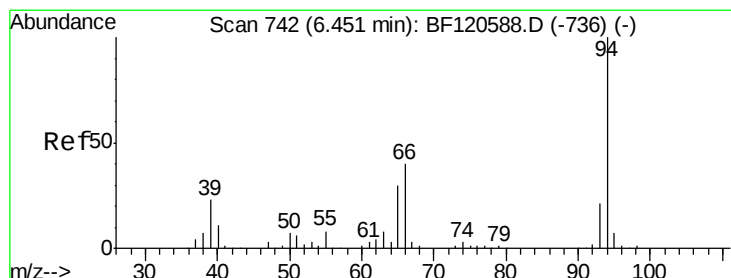
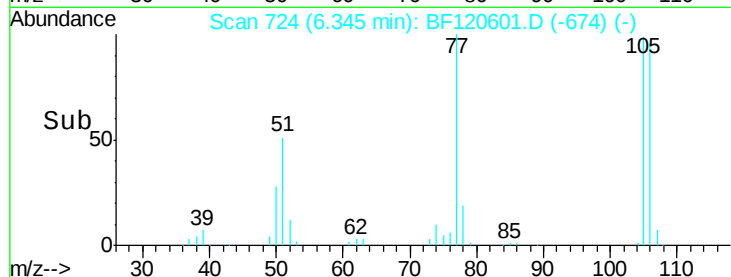
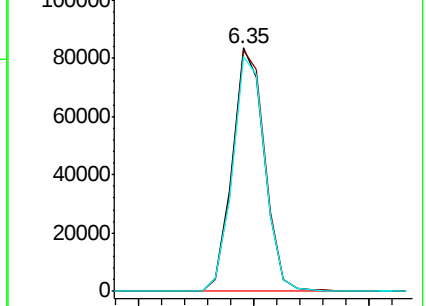
106 96.1 79.3 119.3



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 10.621 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

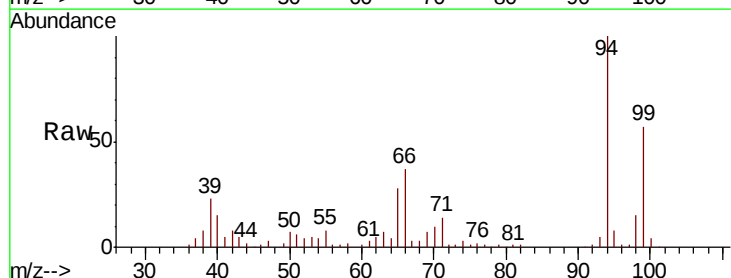
Tgt Ion: 94 Resp: 123381

Ion Ratio Lower Upper

94 100

65 28.0 9.9 49.9

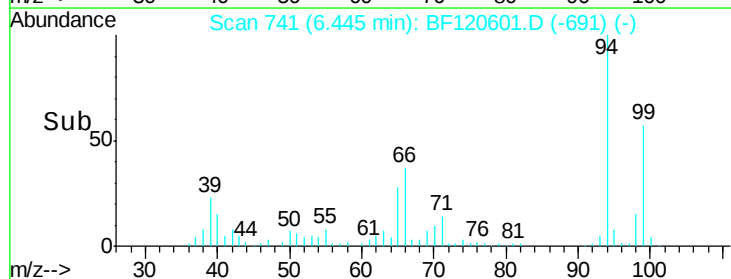
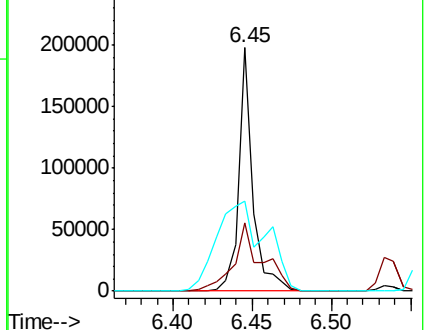
66 37.1 20.1 60.1

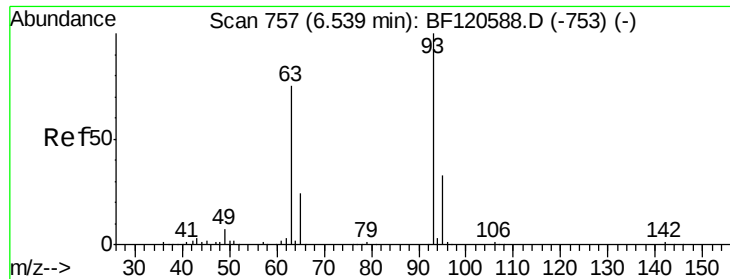


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 9.412 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

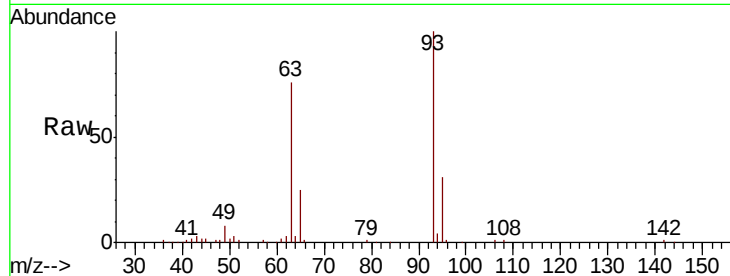
Tot Ion: 93 Resp: 91070

Ion Ratio Lower Upper

93 100

63 76.4 54.4 94.4

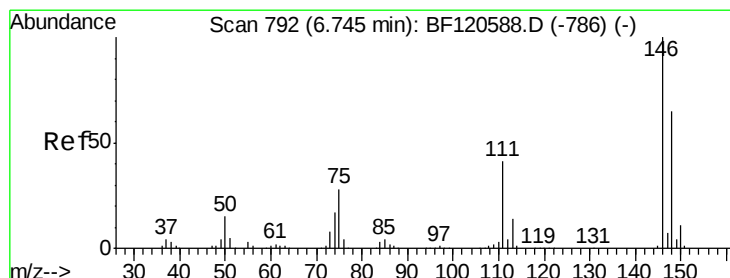
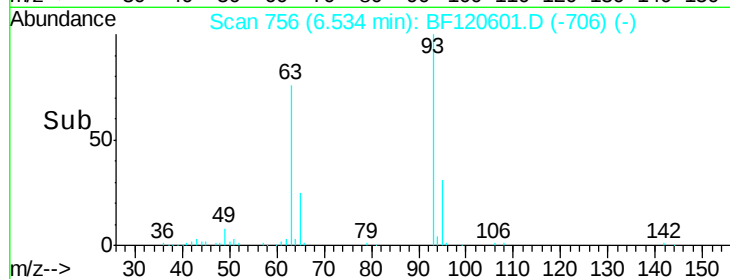
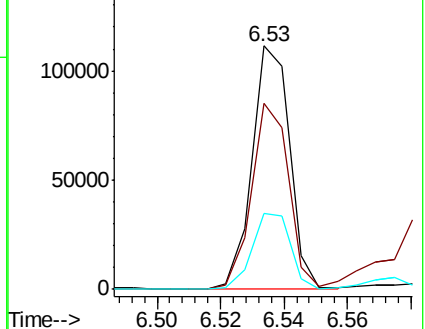
95 31.0 12.9 52.9



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: 9.834 ng

RT: 6.74 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

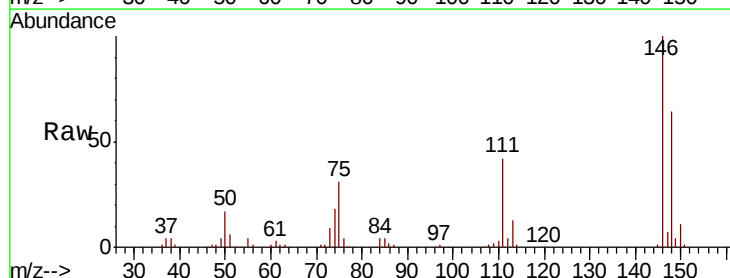
Tgt Ion: 146 Resp: 103278

Ion Ratio Lower Upper

146 100

148 63.5 51.8 77.6

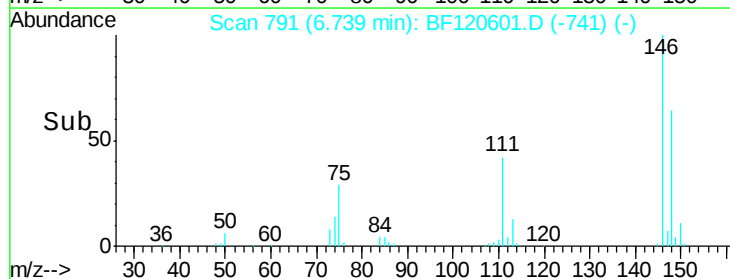
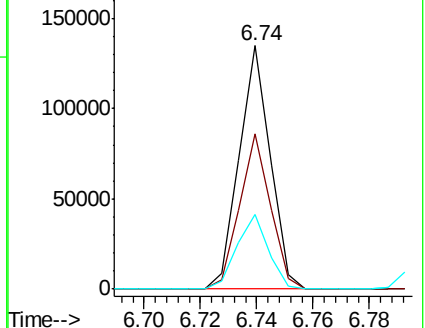
75 30.7 22.2 33.4

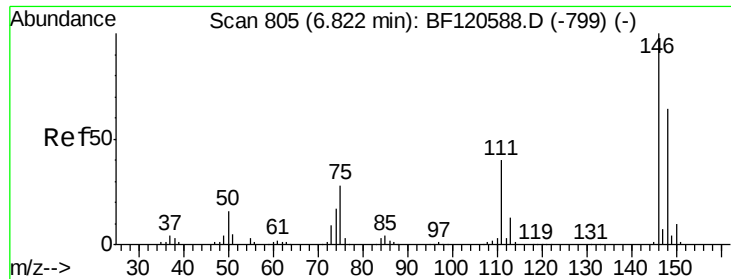


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1

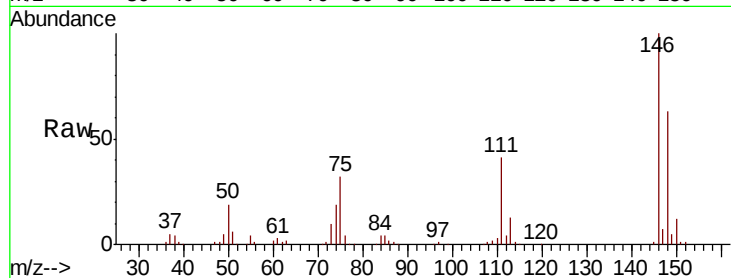




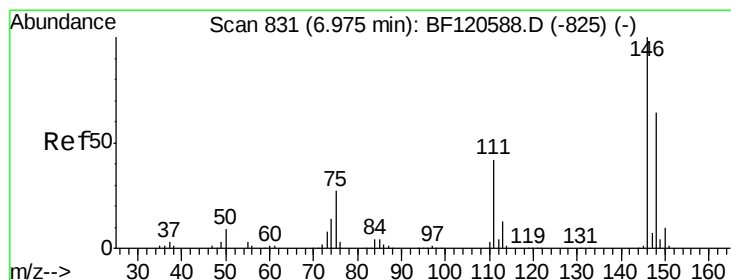
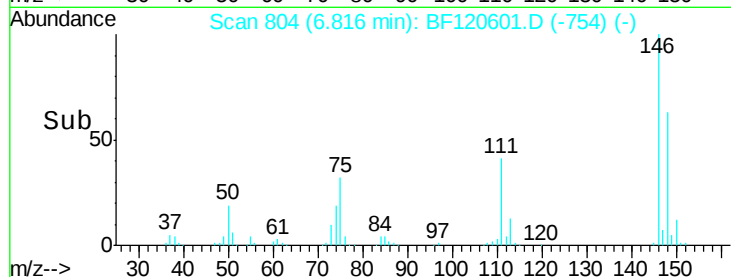
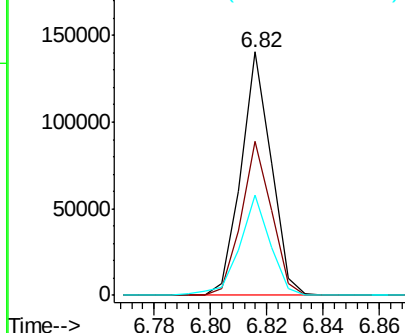
#13
1,4-Dichlorobenzene
Concen: 10.048 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:146 Resp: 104116
Ion Ratio Lower Upper
146 100
148 63.2 51.5 77.3
111 41.1 32.2 48.4

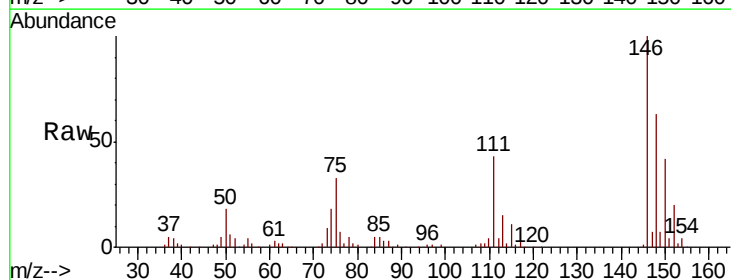


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

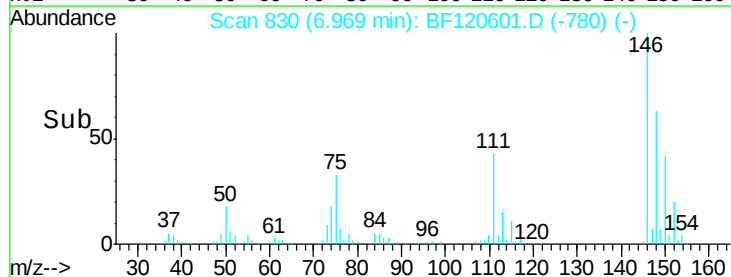
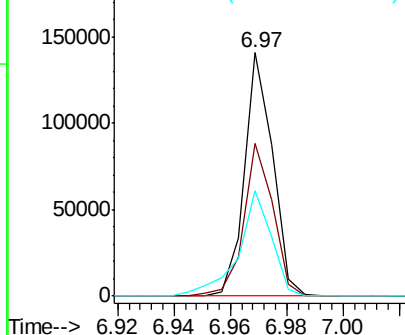


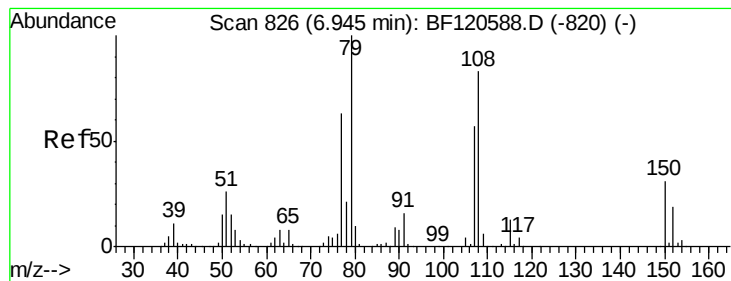
#14
1,2-Dichlorobenzene
Concen: 9.614 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion:146 Resp: 97040
Ion Ratio Lower Upper
146 100
148 62.9 50.8 76.2
111 43.2 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: 11.437 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

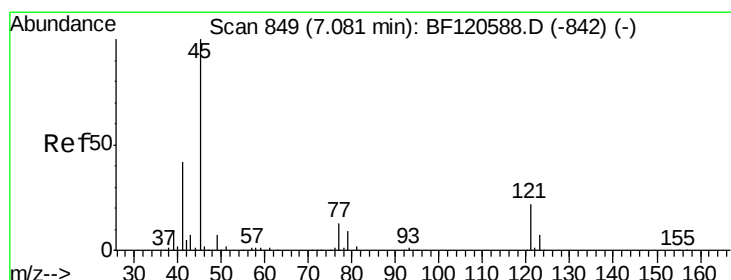
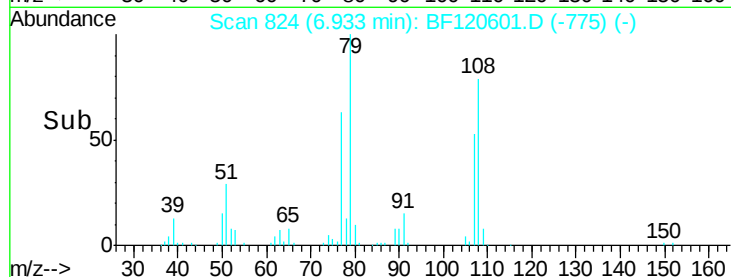
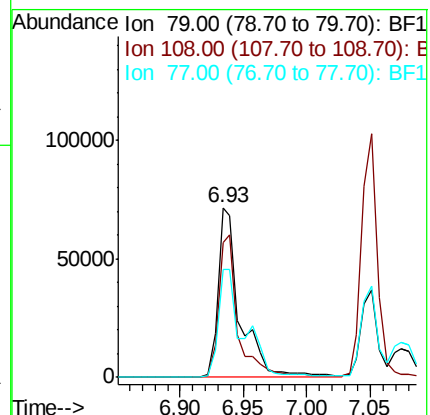
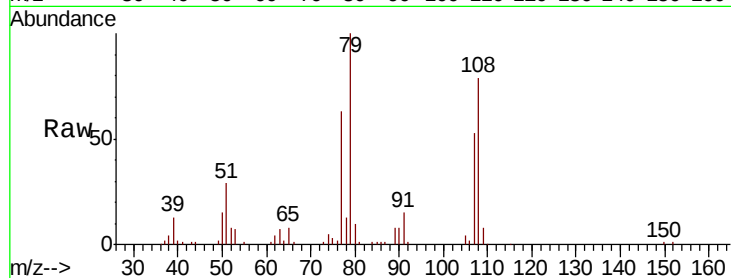
Tot Ion: 79 Resp: 88310

Ion Ratio Lower Upper

79 100

108 79.1 66.8 100.2

77 63.3 50.6 76.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 9.817 ng

RT: 7.07 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

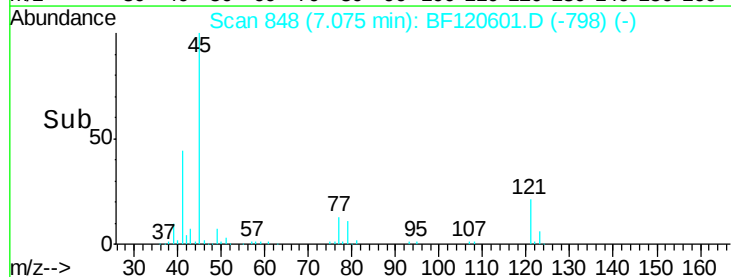
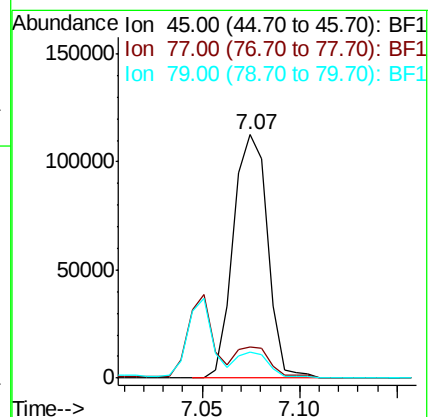
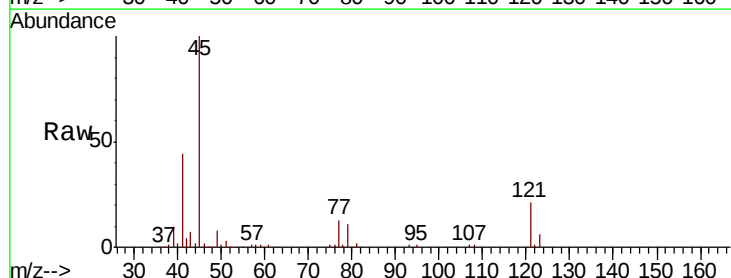
Tgt Ion: 45 Resp: 136781

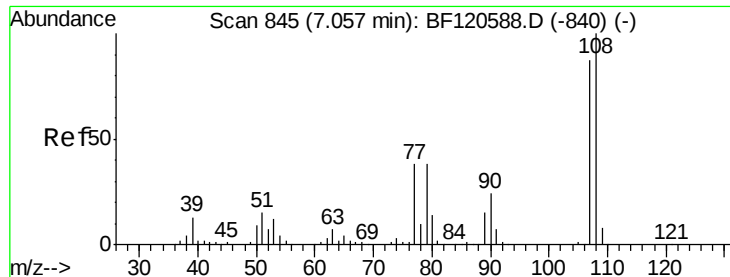
Ion Ratio Lower Upper

45 100

77 13.0 0.0 34.2

79 10.7 0.0 30.9





#17

2-Methylphenol

Concen: 8.912 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion:107 Resp: 75085

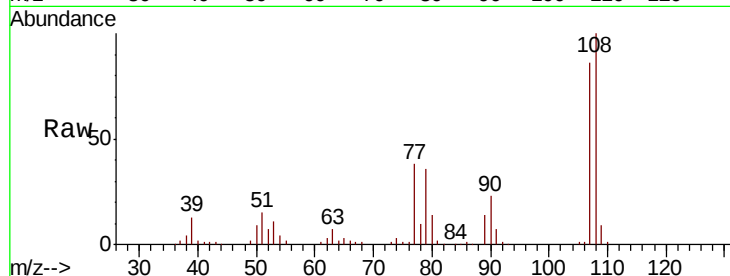
Ion Ratio Lower Upper

107 100

108 116.1 91.9 137.9

77 43.7 35.4 53.2

79 41.7 34.8 52.2

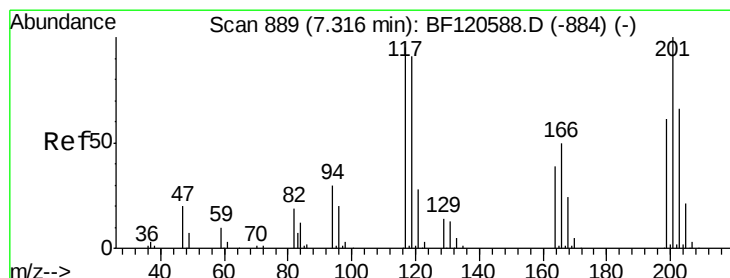
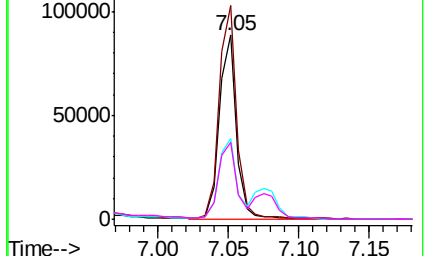
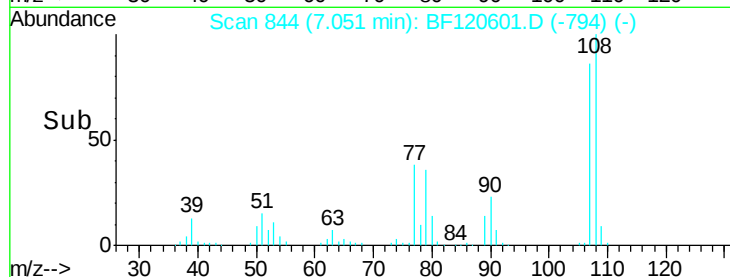


Abundance Ion 107.00 (106.70 to 107.70): E

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: 9.925 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

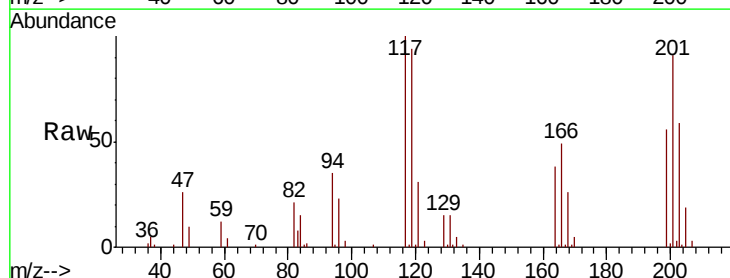
Tgt Ion:117 Resp: 37895

Ion Ratio Lower Upper

117 100

119 94.2 76.9 115.3

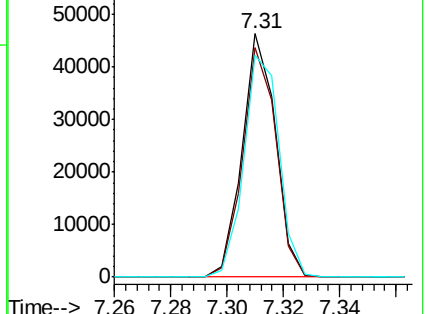
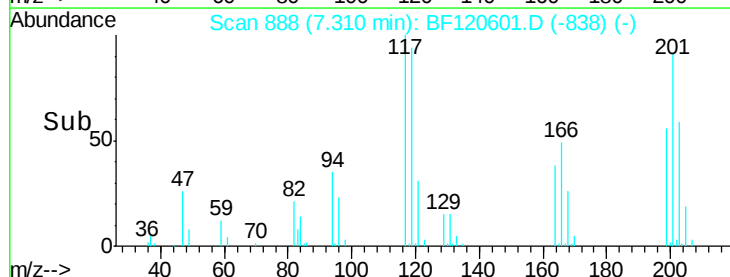
201 90.9 84.6 127.0

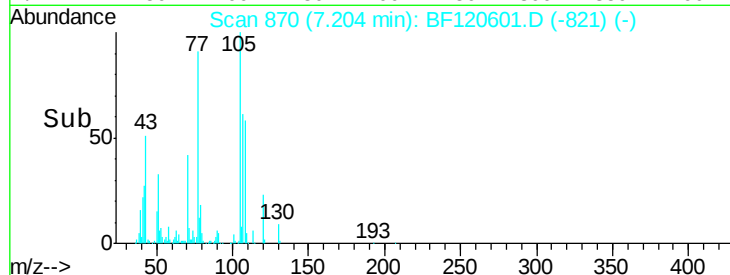
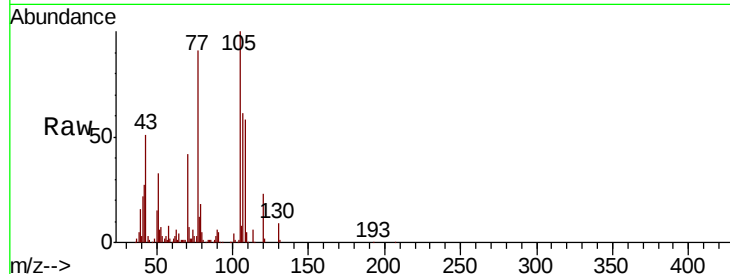
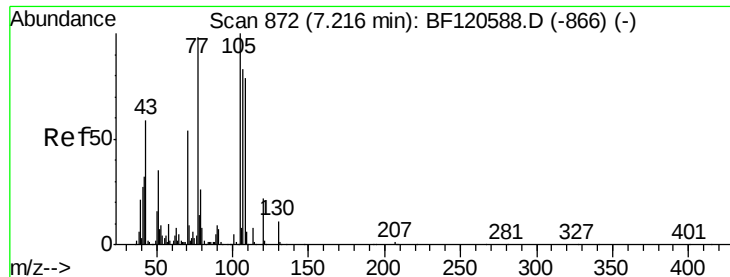


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

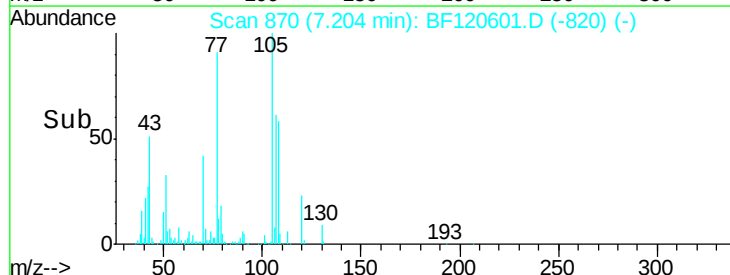
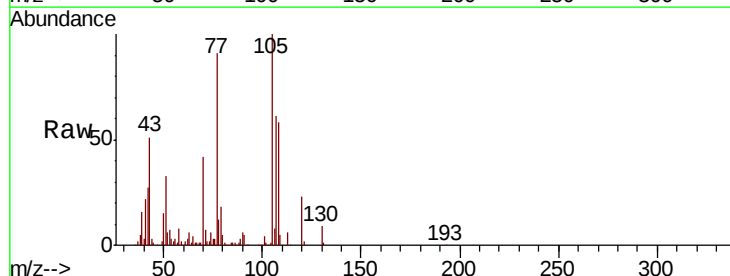
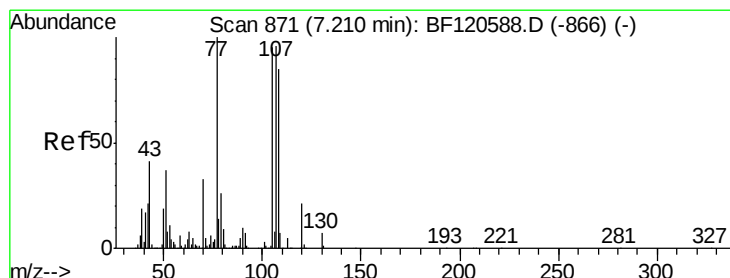
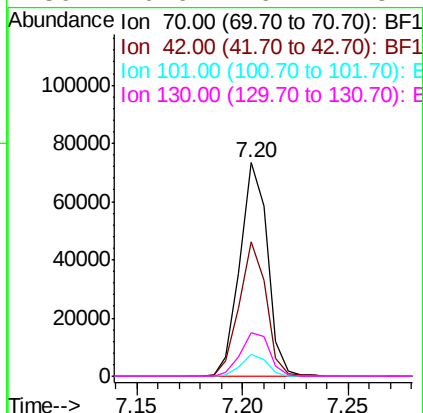




#19
n-Nitroso-di-n-propylamine
Concen: 10.516 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

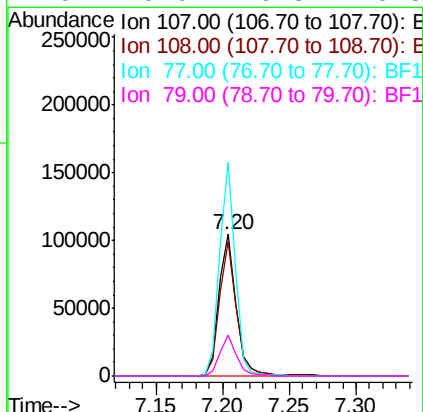
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:	70	Resp:	66419
Ion	Ratio	Lower	Upper
70	100		
42	63.2	47.7	71.5
101	10.1	7.6	11.4
130	20.6	16.7	25.1



#20
3+4-Methylphenols
Concen: 9.256 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion:	107	Resp:	97448
Ion	Ratio	Lower	Upper
107	100		
108	95.1	68.7	108.7
77	150.5	84.2	124.2#
79	29.0	6.8	46.8

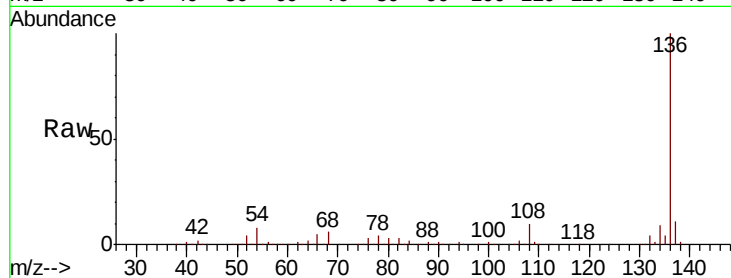




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:136	Resp:	542987	
Ion Ratio	Lower	Upper	
136 100			
137 11.4	8.6	13.0	
54 7.8	5.8	8.6	
68 6.3	4.4	6.6	



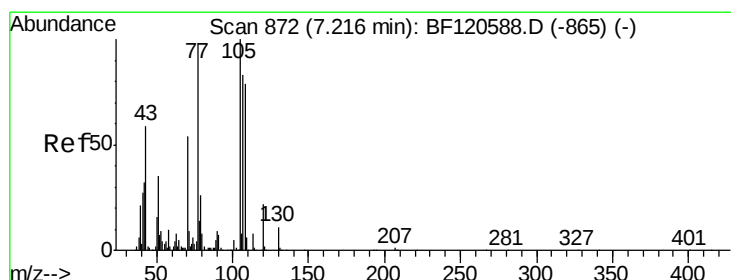
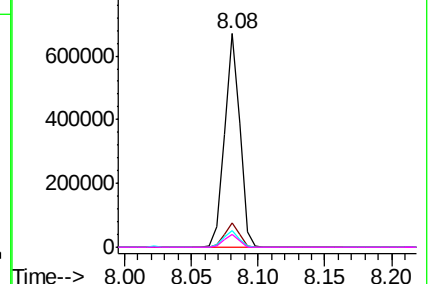
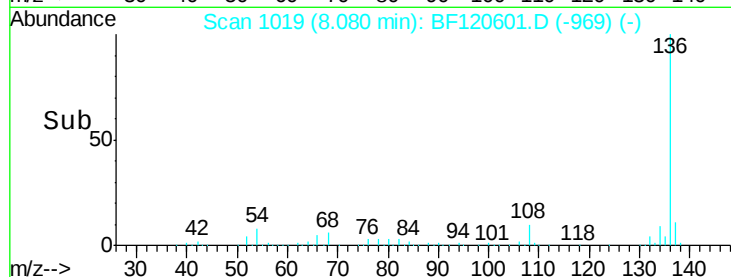
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

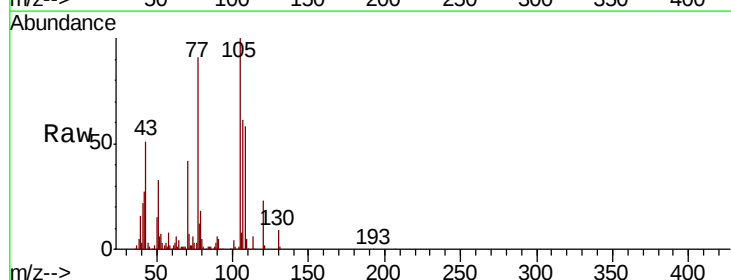
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 11.235 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt	Ion:105	Resp:	136391
Ion	Ratio	Lower	Upper
105	100		
71	7.1	7.2	10.8#
51	32.7	27.8	41.8
120	22.9	18.0	27.0



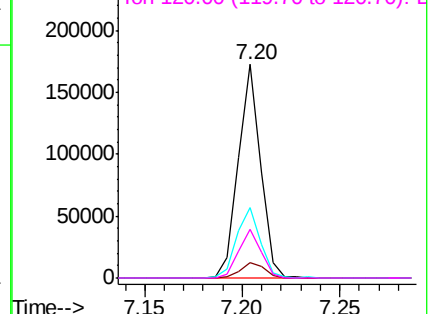
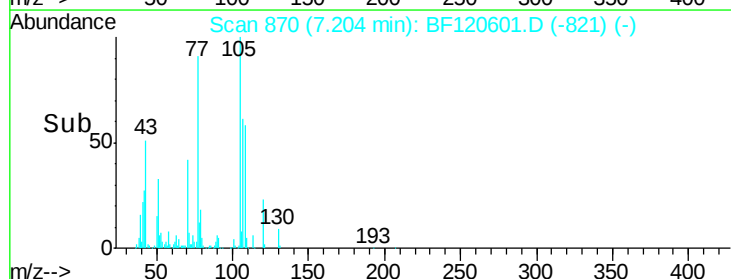
Abundance

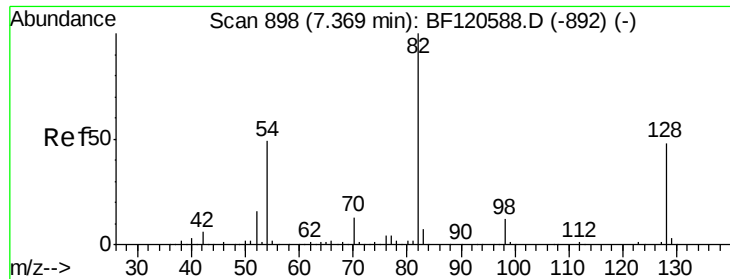
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

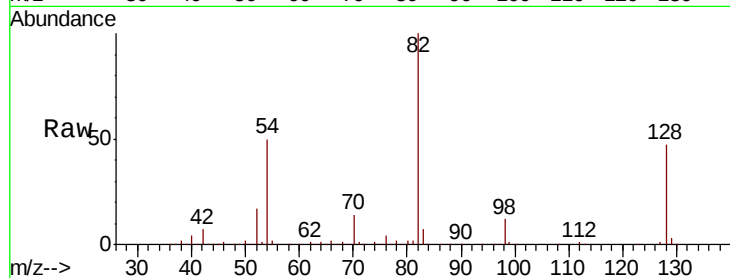




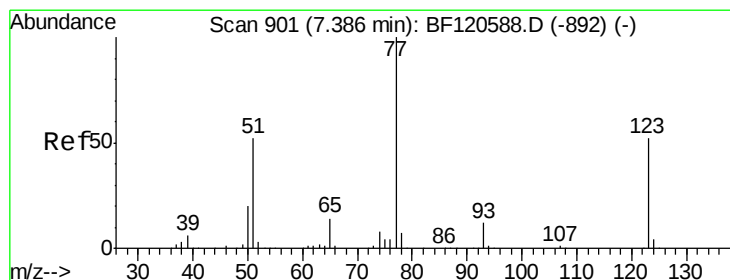
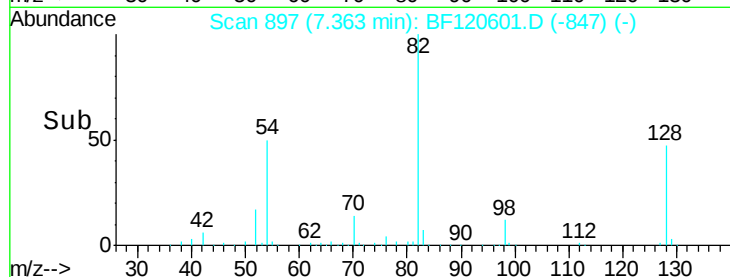
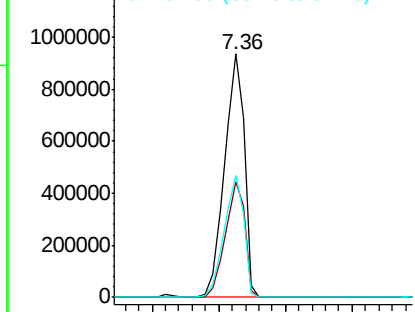
#23
Nitrobenzene-d5
Concen: 101.010 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion: 82 Resp: 981219
Ion Ratio Lower Upper
82 100
128 47.5 38.0 57.0
54 50.1 38.8 58.2

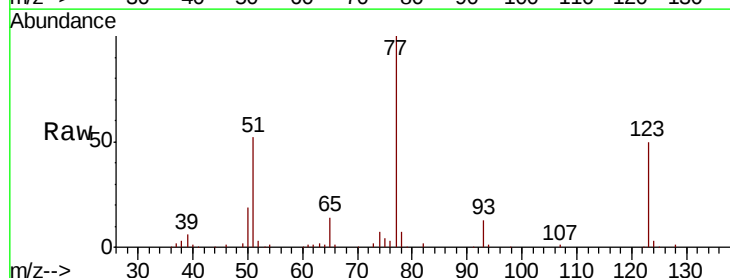


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

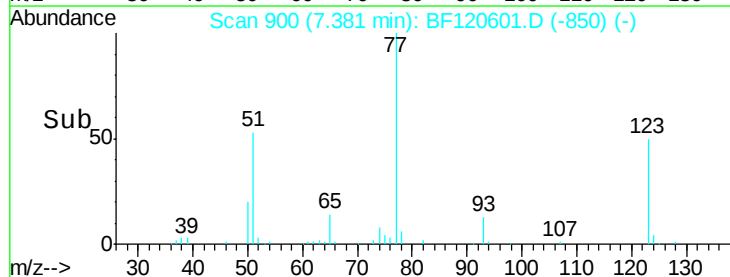
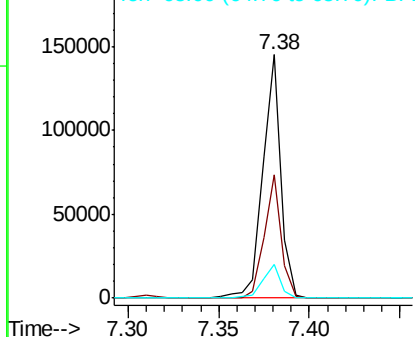


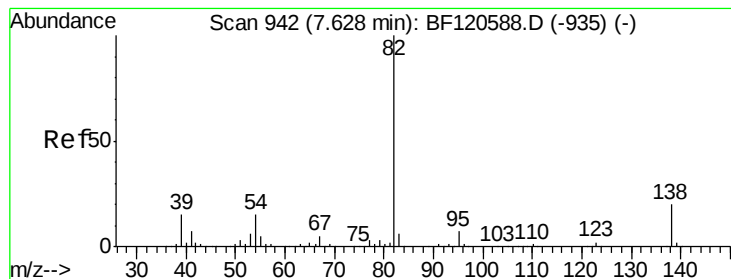
#24
Nitrobenzene
Concen: 9.909 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion: 77 Resp: 100735
Ion Ratio Lower Upper
77 100
123 50.5 41.4 62.0
65 13.7 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: 9.502 ng

RT: 7.62 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

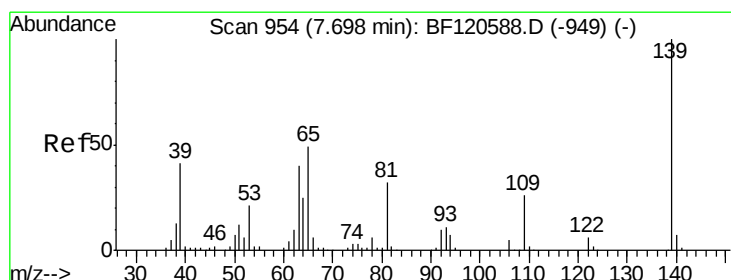
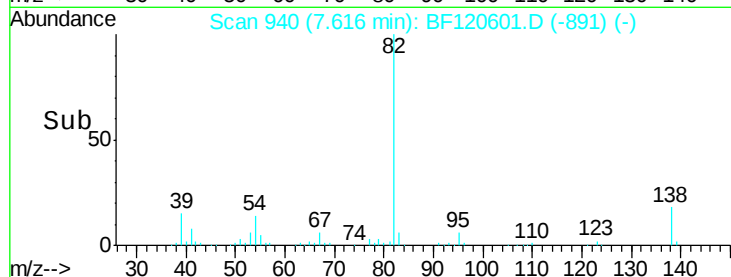
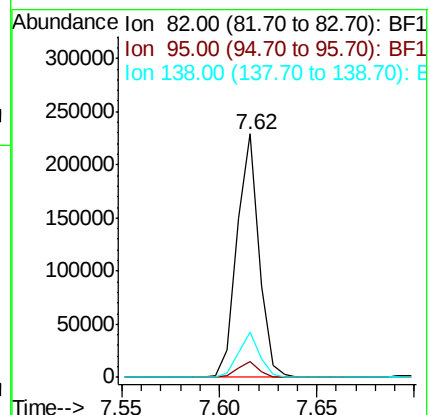
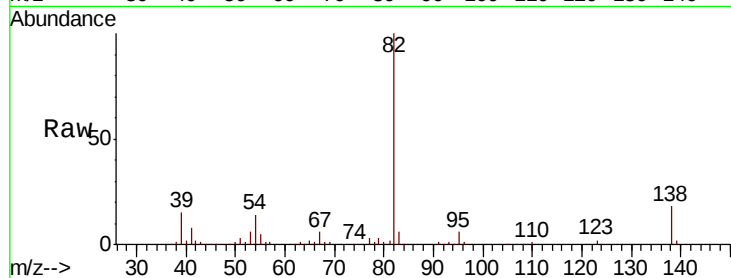
Tot Ion: 82 Resp: 179800

Ion Ratio Lower Upper

82 100

95 6.5 5.7 8.5

138 18.4 16.2 24.4



#26

2-Nitrophenol

Concen: 8.645 ng

RT: 7.70 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

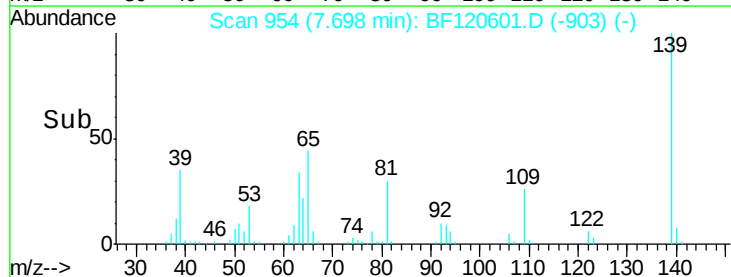
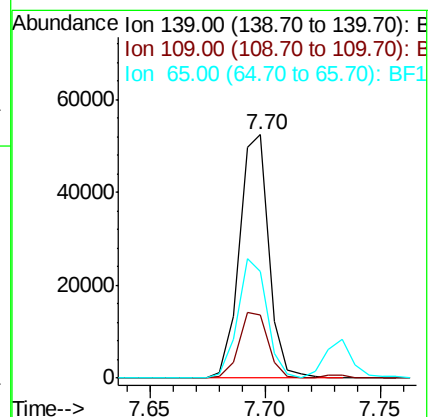
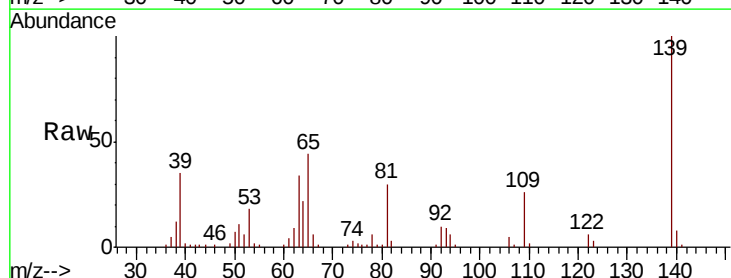
Tgt Ion: 139 Resp: 46494

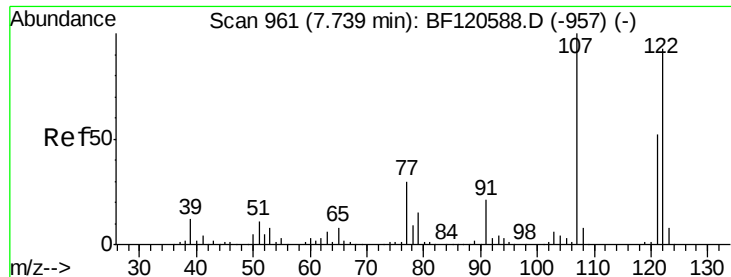
Ion Ratio Lower Upper

139 100

109 26.1 21.1 31.7

65 43.6 39.4 59.0

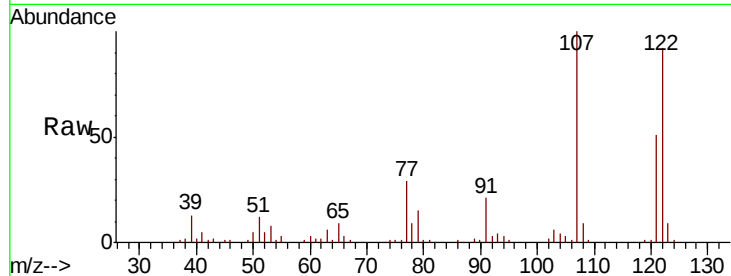




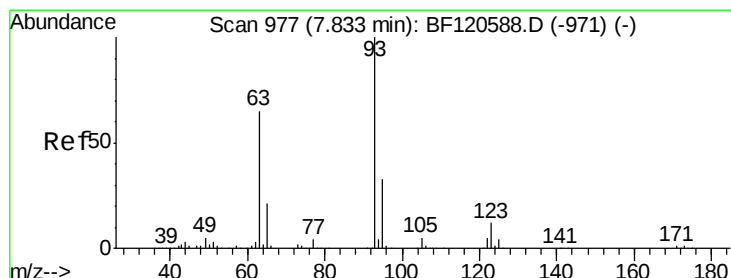
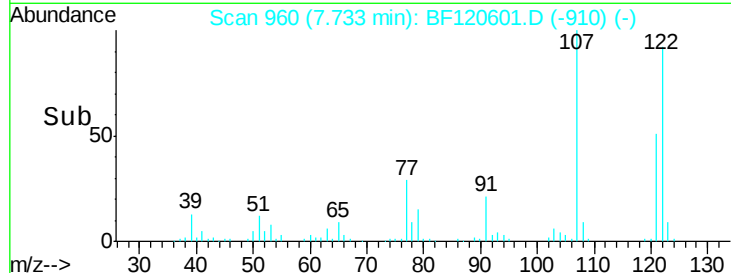
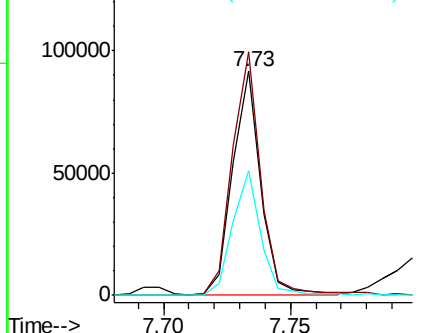
#27
2,4-Dimethylphenol
Concen: 8.911 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:122 Resp: 70564
Ion Ratio Lower Upper
122 100
107 108.7 86.4 129.6
121 55.8 45.2 67.8

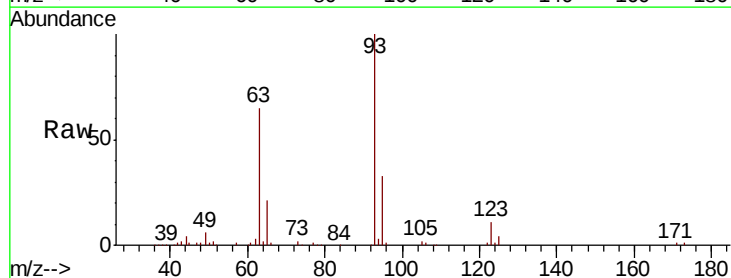


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

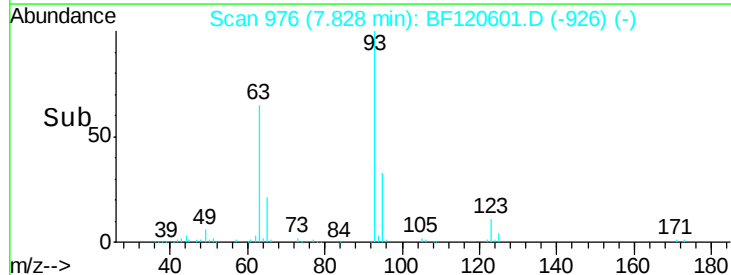
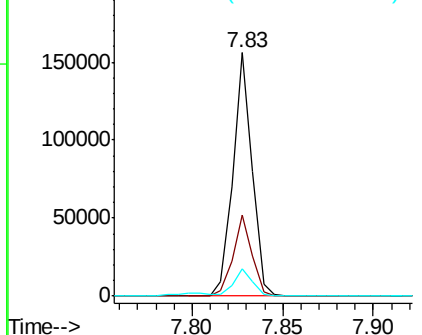


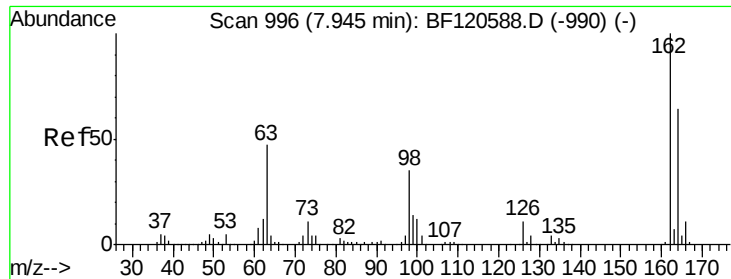
#28
bis(2-Chloroethoxy)methane
Concen: 10.475 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion: 93 Resp: 114899
Ion Ratio Lower Upper
93 100
95 33.3 26.2 39.4
123 11.0 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

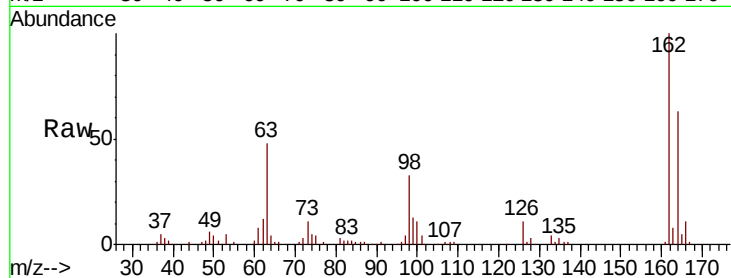




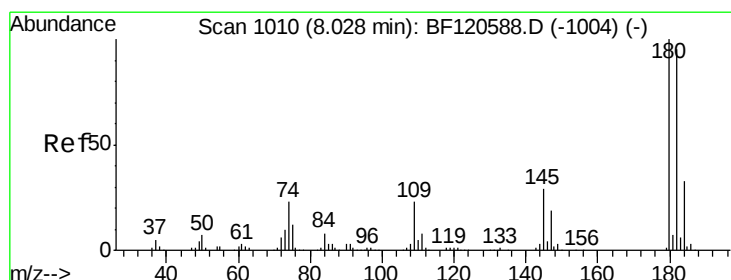
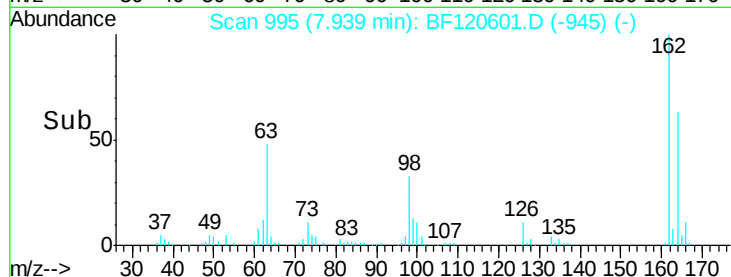
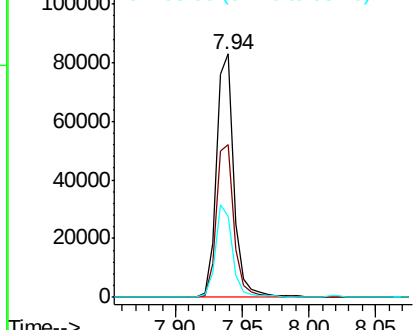
#29
2,4-Dichlorophenol
Concen: 9.631 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:162 Resp: 77521
Ion Ratio Lower Upper
162 100
164 62.9 44.1 84.1
98 33.5 14.7 54.7

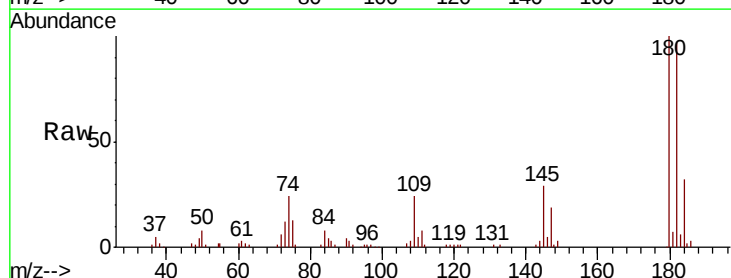


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

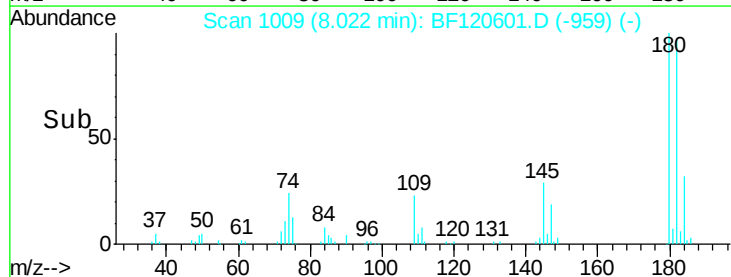
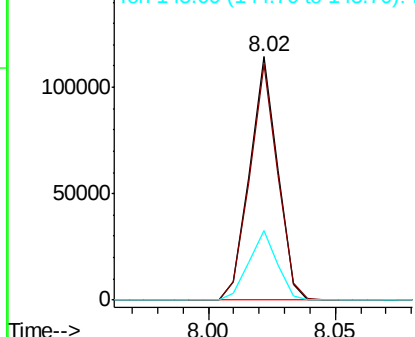


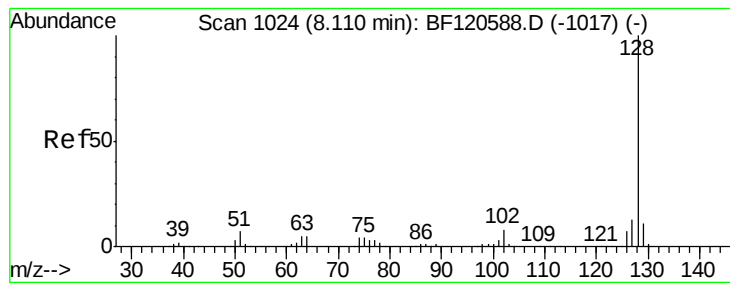
#30
1,2,4-Trichlorobenzene
Concen: 9.886 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion:180 Resp: 88186
Ion Ratio Lower Upper
180 100
182 97.0 75.8 113.6
145 28.7 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: 10.750 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

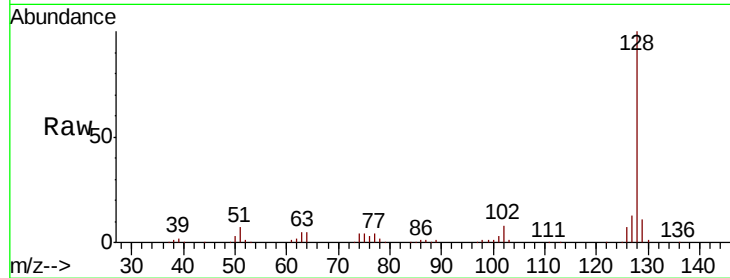
Tot Ion:128 Resp: 286622

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

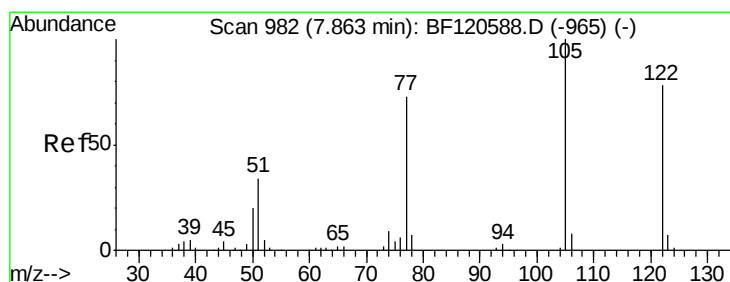
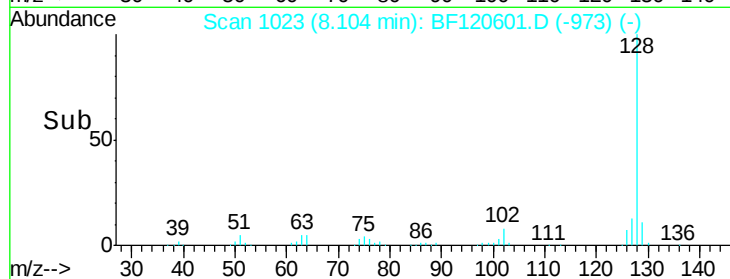
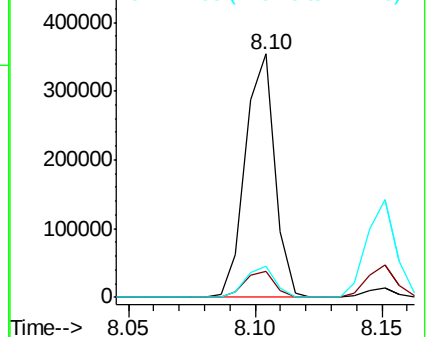
127 12.8 10.6 15.8



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: 4.201 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.06 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

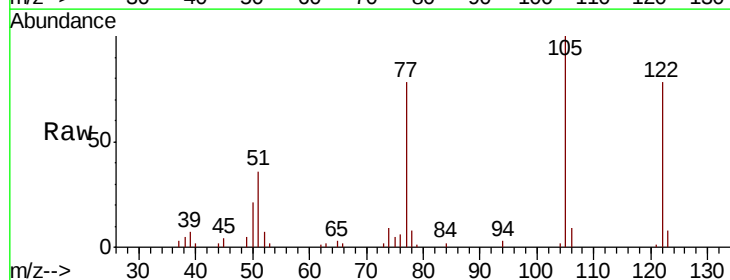
Tgt Ion:122 Resp: 25521

Ion Ratio Lower Upper

122 100

105 127.9 101.0 141.0

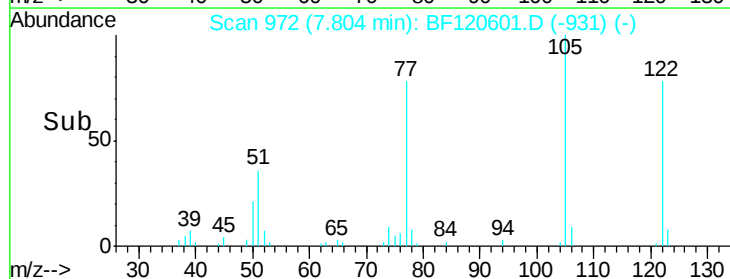
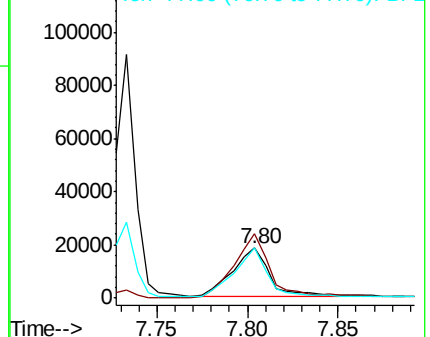
77 99.5 69.8 109.8



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

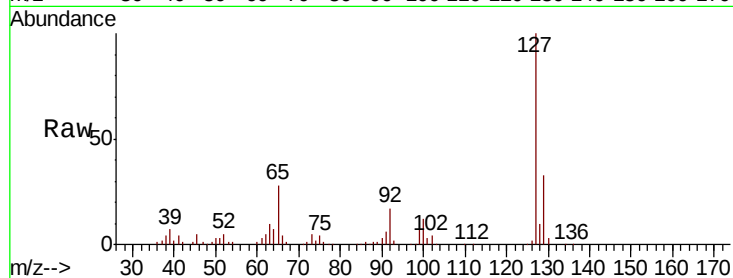




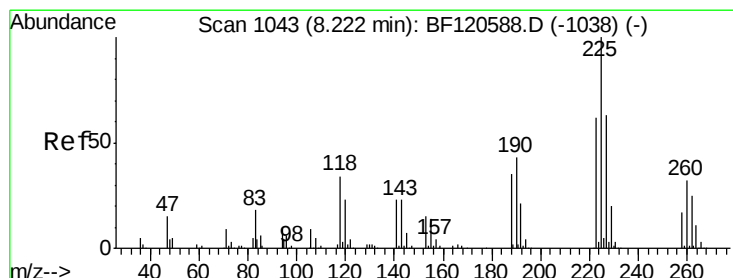
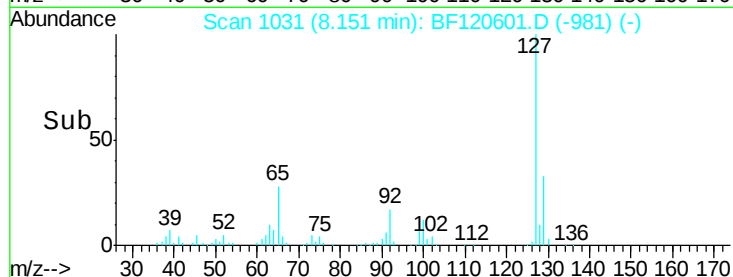
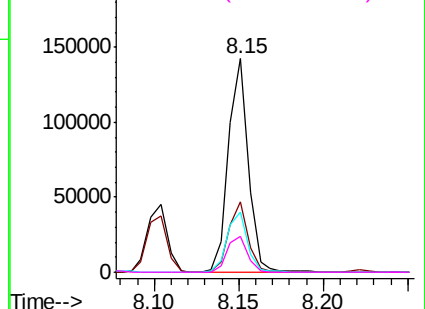
#33
4-Chloroaniline
Concen: 9.535 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:	127	Resp:	116686
Ion	Ratio	Lower	Upper
127	100		
129	33.2	25.9	38.9
65	28.2	22.2	33.4
92	17.0	14.2	21.2

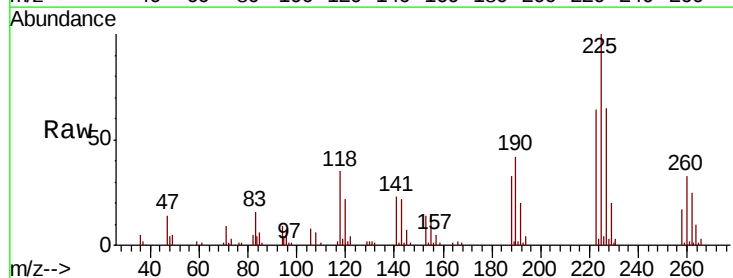


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

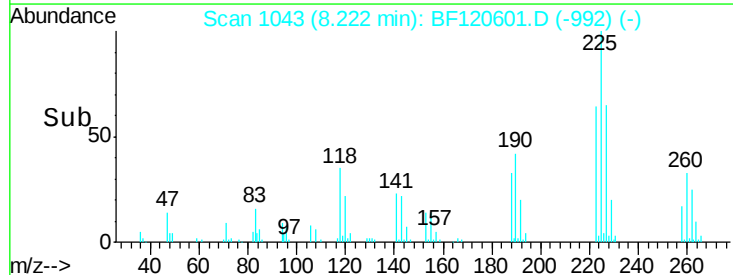
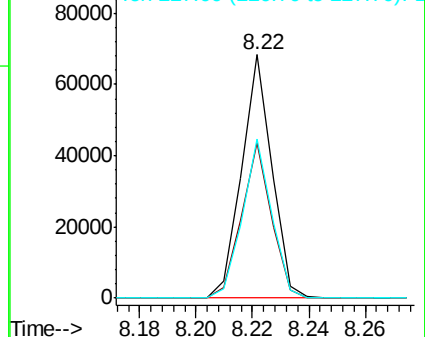


#34
Hexachlorobutadiene
Concen: 9.758 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion:	225	Resp:	50737
Ion	Ratio	Lower	Upper
225	100		
223	63.5	49.9	74.9
227	65.5	50.5	75.7



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

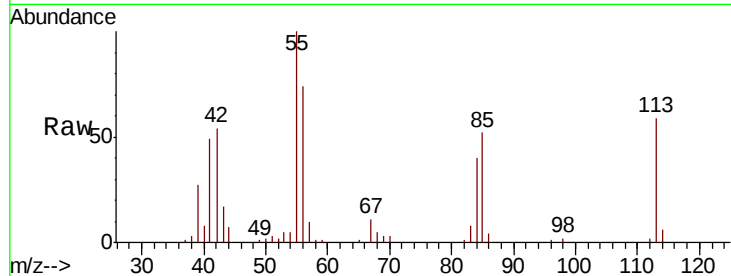




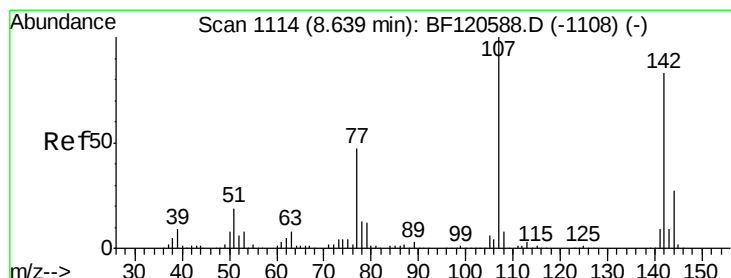
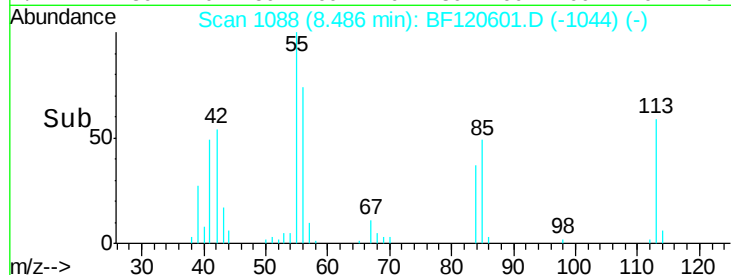
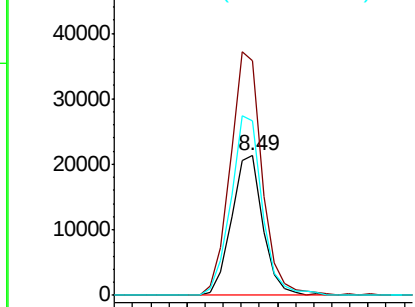
#35
 Caprolactam
 Concen: 9.960 ng
 RT: 8.49 min Scan# 1088
 Delta R.T. -0.04 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Tot Ion:113 Resp: 25640
 Ion Ratio Lower Upper
 113 100
 55 168.6 133.1 173.1
 56 125.3 98.4 138.4

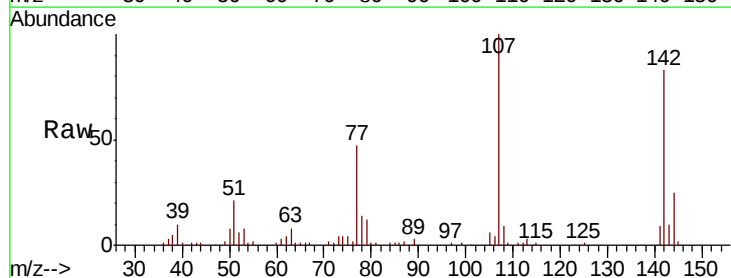


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

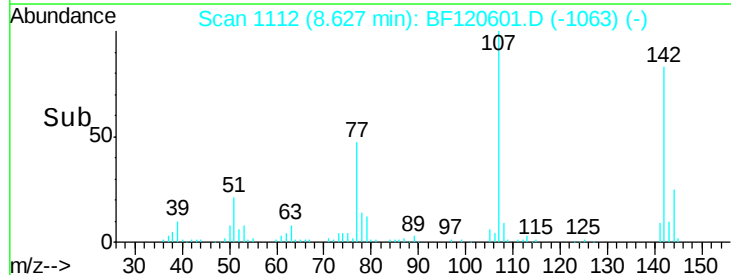
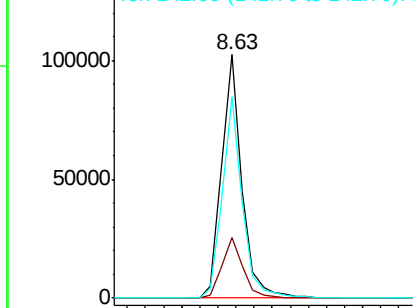


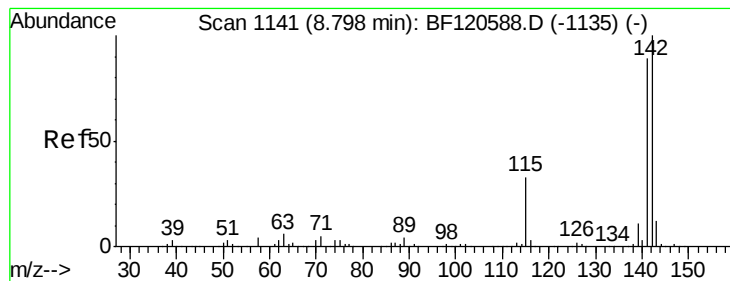
#36
 4-Chloro-3-methylphenol
 Concen: 9.873 ng
 RT: 8.63 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion:107 Resp: 79393
 Ion Ratio Lower Upper
 107 100
 144 25.0 21.4 32.2
 142 82.7 66.3 99.5



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





#37

2-Methylnaphthalene

Concen: 10.962 ng

RT: 8.79 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

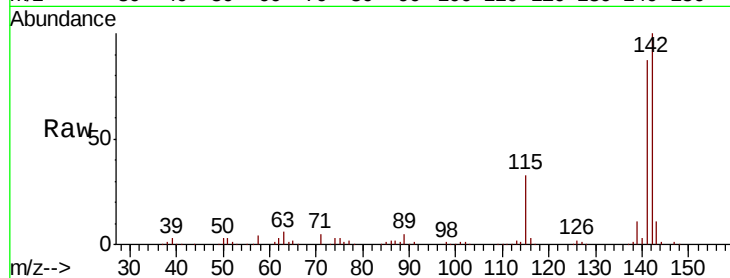
Tot Ion:142 Resp: 190795

Ion Ratio Lower Upper

142 100

141 86.8 71.4 107.0

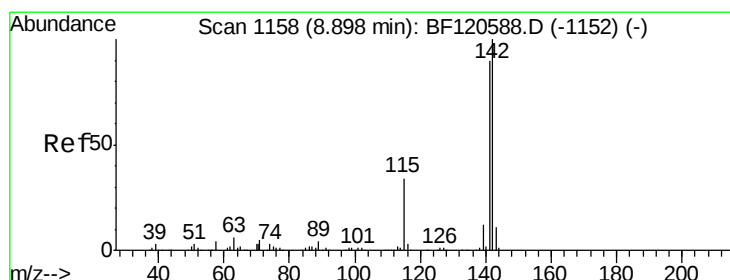
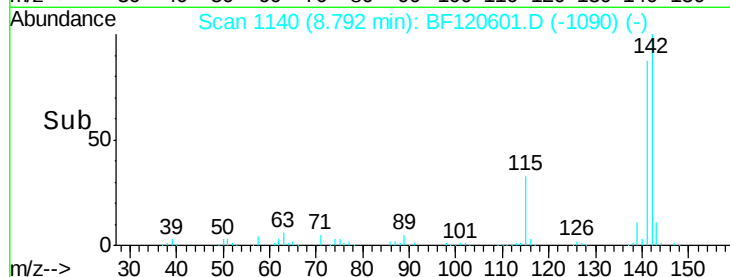
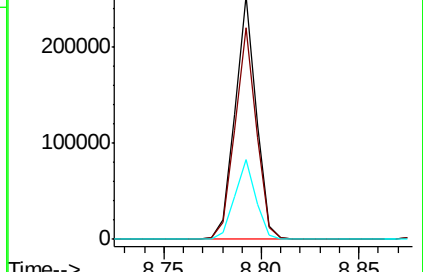
115 33.0 26.1 39.1



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: 10.997 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

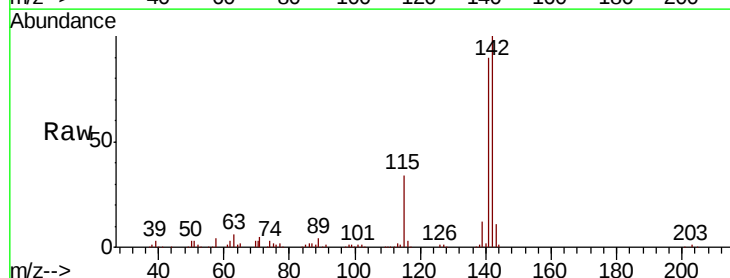
Tgt Ion:142 Resp: 180106

Ion Ratio Lower Upper

142 100

141 89.7 72.1 108.1

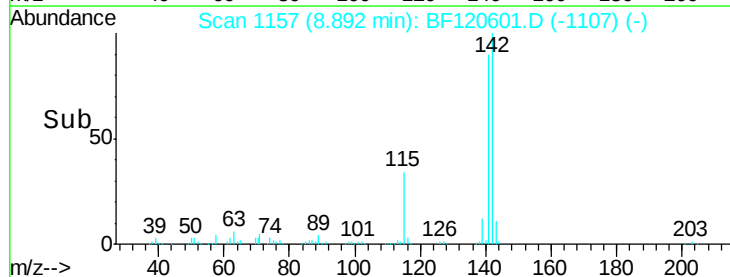
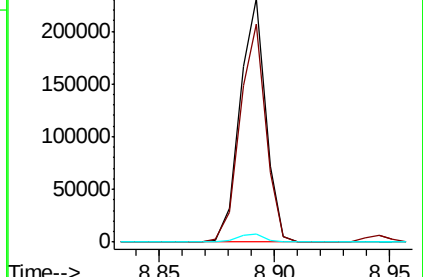
116 3.2 2.7 4.1

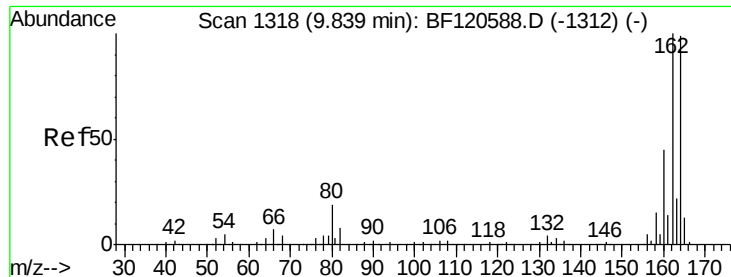


Abundance Ion 142.00 (141.70 to 142.70): E

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: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

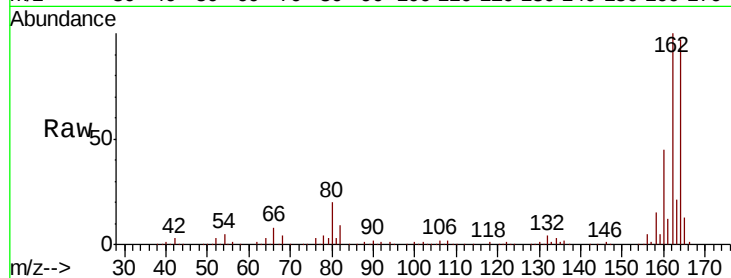
Tot Ion:164 Resp: 286957

Ion Ratio Lower Upper

164 100

162 102.7 80.6 120.8

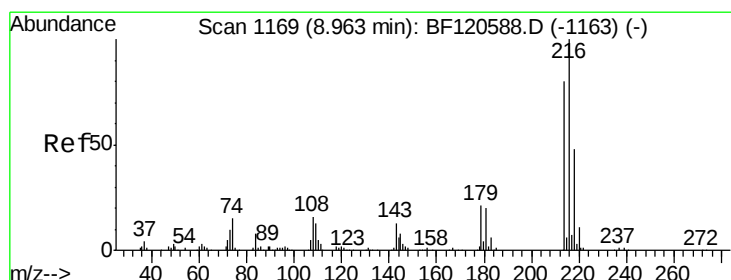
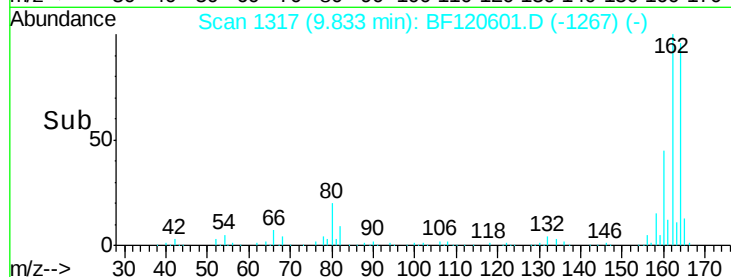
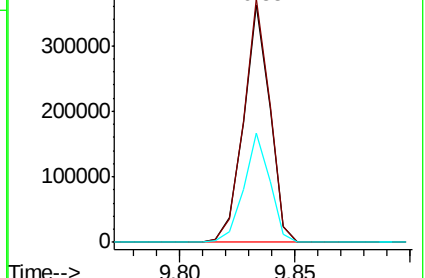
160 46.2 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.633 ng

RT: 8.96 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Tgt Ion:216 Resp: 91105

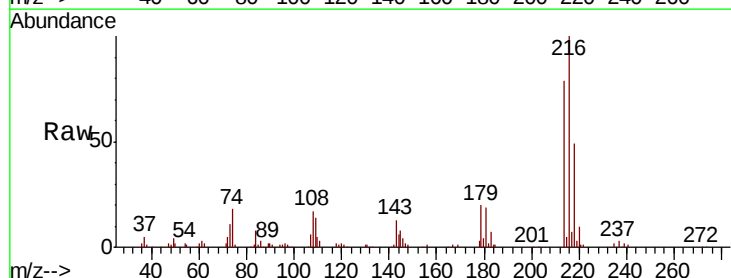
Ion Ratio Lower Upper

216 100

214 79.5 63.8 95.6

179 20.6 16.4 24.6

108 18.3 13.8 20.8

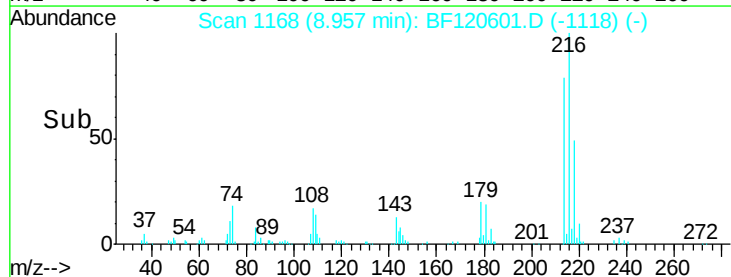
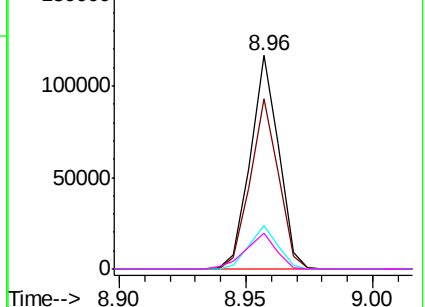


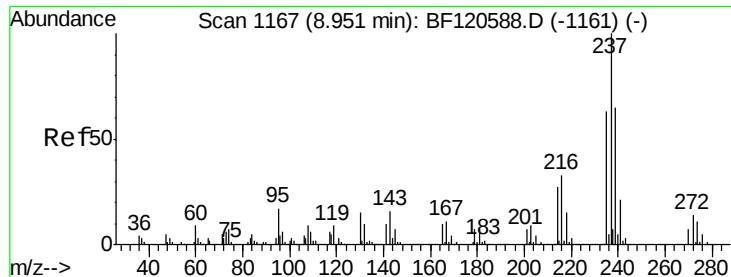
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 7.938 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

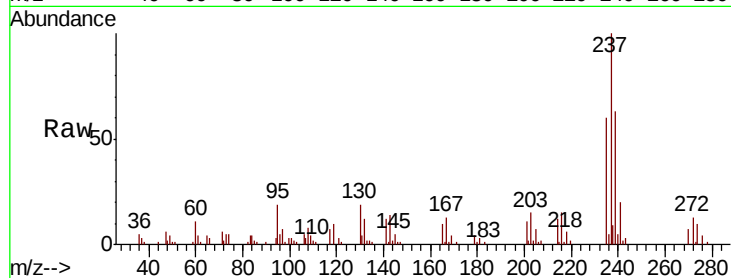
Tot Ion:237 Resp: 38116

Ion Ratio Lower Upper

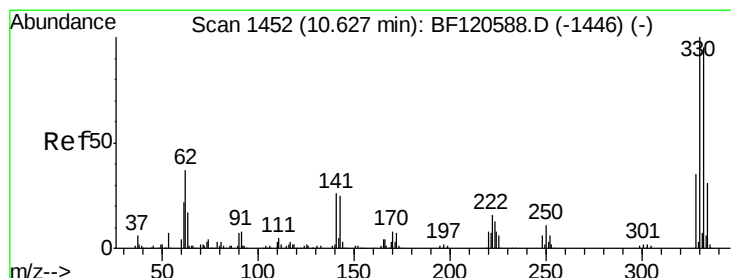
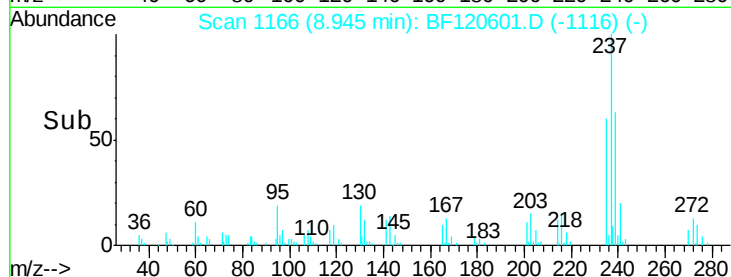
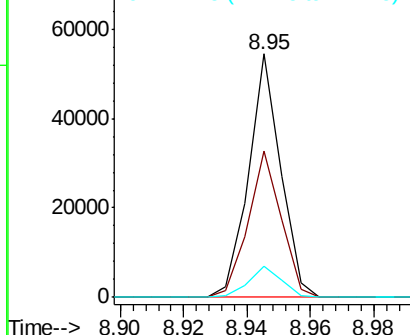
237 100

235 60.2 43.2 83.2

272 12.8 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: 139.771 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

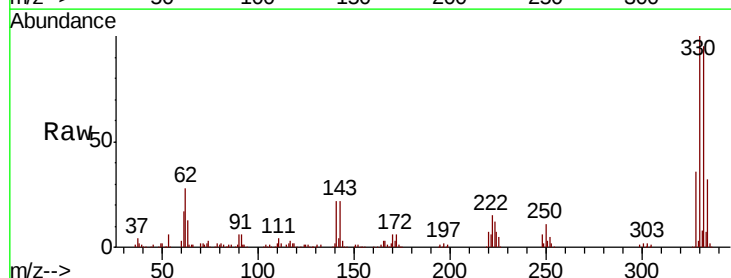
Tgt Ion:330 Resp: 466314

Ion Ratio Lower Upper

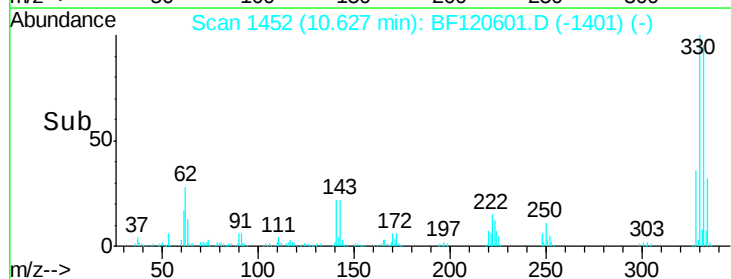
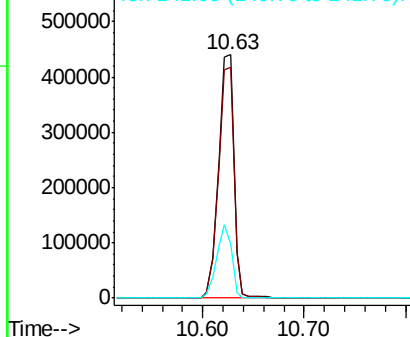
330 100

332 95.9 76.8 115.2

141 29.4 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

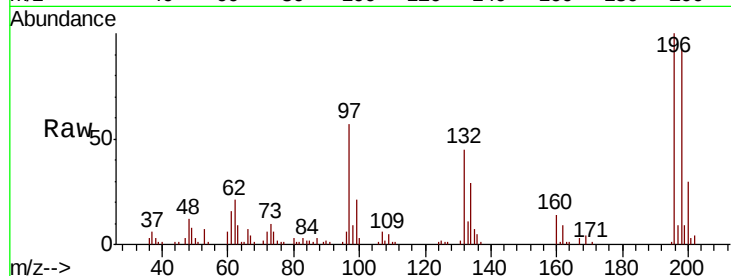




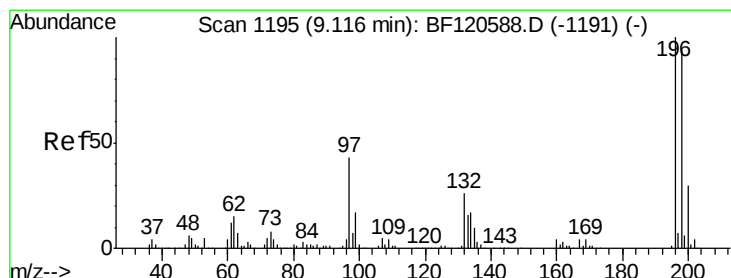
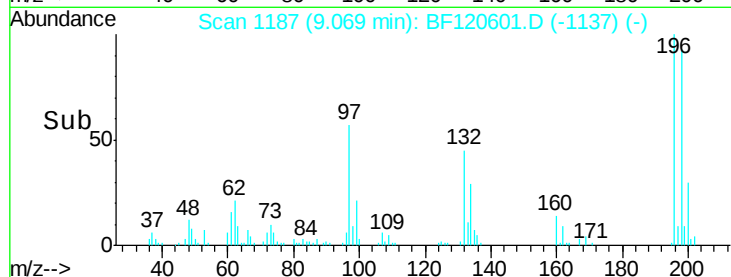
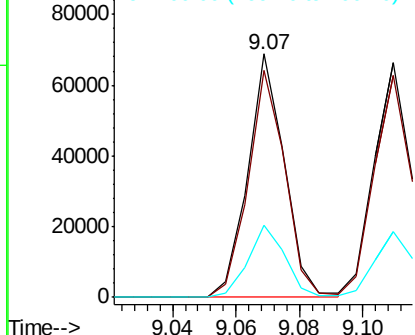
#43
 2,4,6-Trichlorophenol
 Concen: 9.046 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Tot Ion:196 Resp: 54984
 Ion Ratio Lower Upper
 196 100
 198 93.4 76.2 114.2
 200 29.6 24.6 37.0

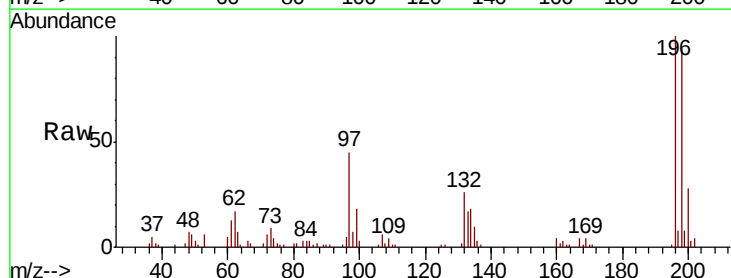


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

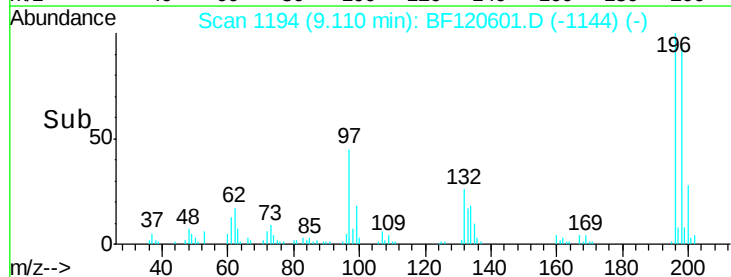
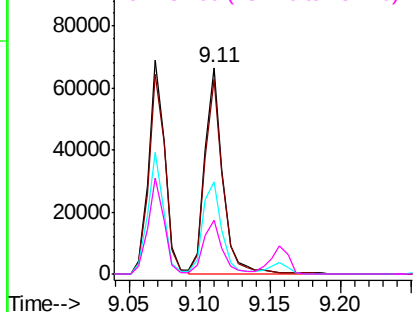


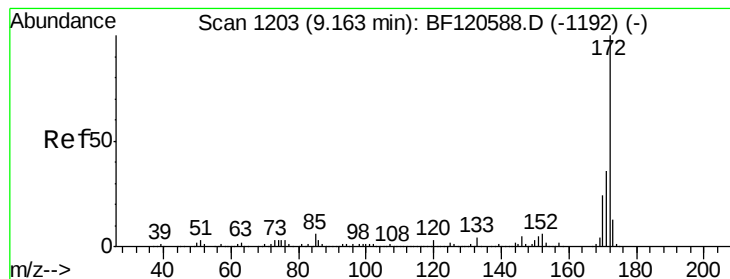
#44
 2,4,5-Trichlorophenol
 Concen: 8.540 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion:196 Resp: 58890
 Ion Ratio Lower Upper
 196 100
 198 94.1 75.5 113.3
 97 44.8 34.4 51.6
 132 26.0 20.7 31.1



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





#45

2-Fluorobiphenyl

Concen: 93.991 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

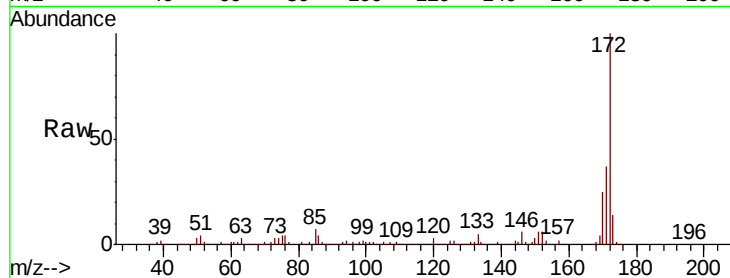
BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion:172 Resp: 1762857

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.0	43.4
170	25.1	19.4	29.2

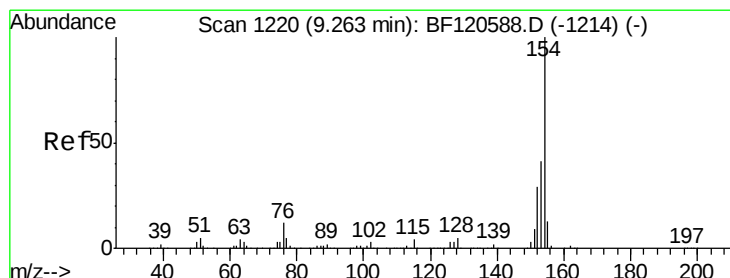
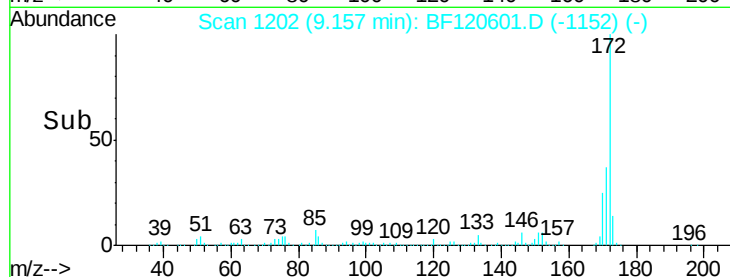
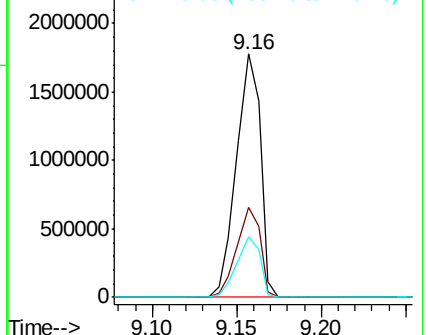


Abundance

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: 11.360 ng

RT: 9.26 min Scan# 1219

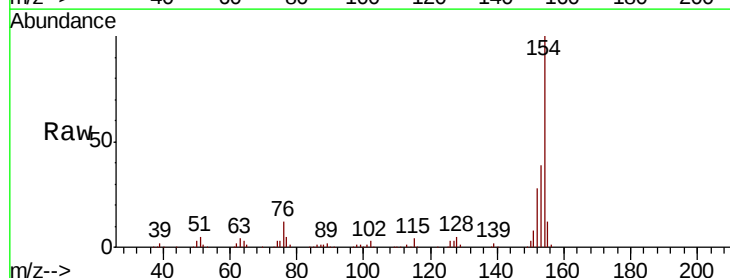
Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Tgt Ion:154 Resp: 243404

Ion	Ratio	Lower	Upper
154	100		
153	39.4	21.4	61.4
76	11.5	0.0	31.6

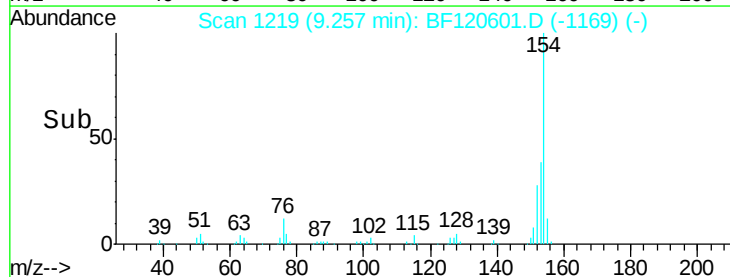
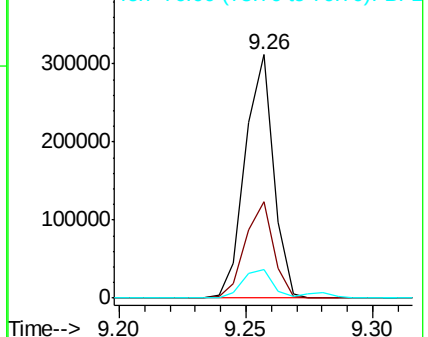


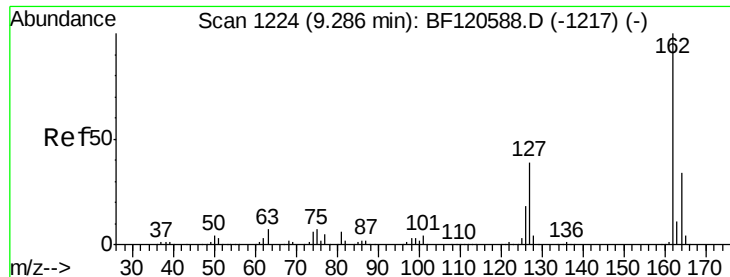
Abundance

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

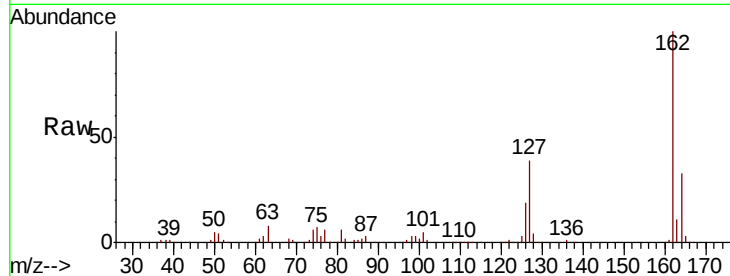




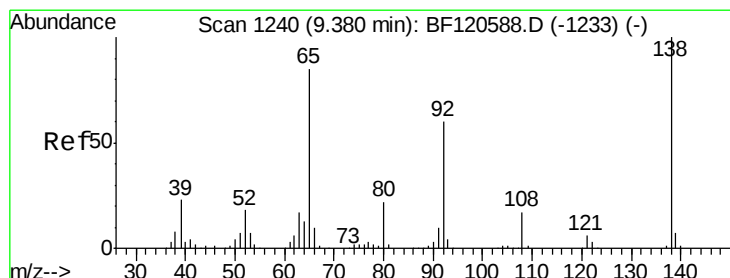
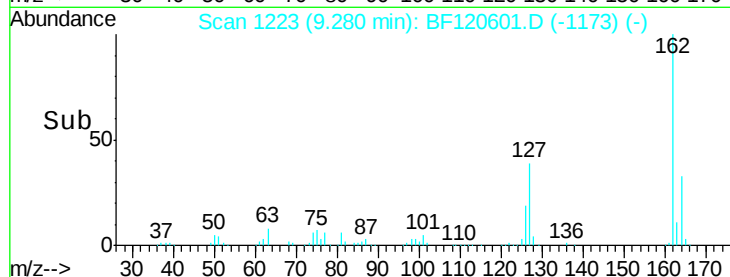
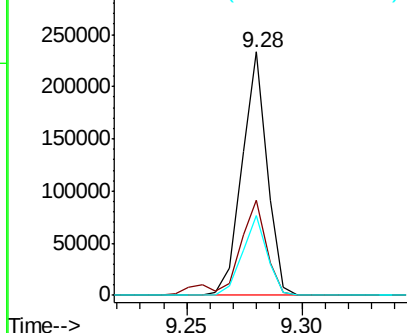
#47
2-Chloronaphthalene
Concen: 10.062 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:162 Resp: 176302
Ion Ratio Lower Upper
162 100
127 39.3 31.3 46.9
164 32.7 26.9 40.3

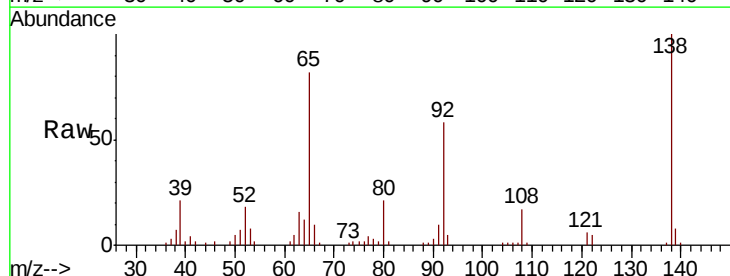


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

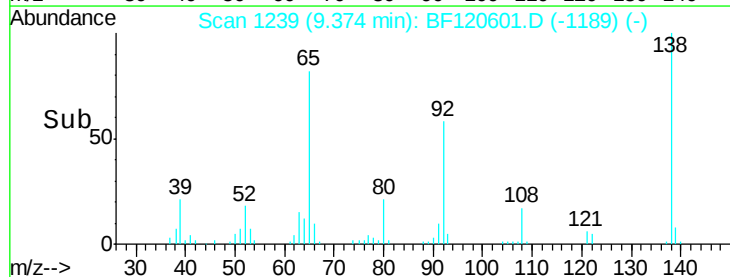
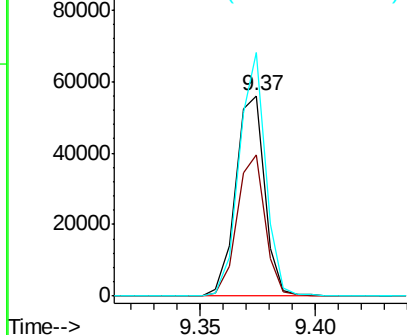


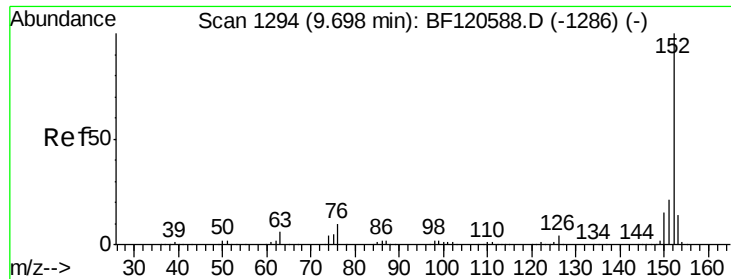
#48
2-Nitroaniline
Concen: 8.973 ng
RT: 9.37 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion: 65 Resp: 49379
Ion Ratio Lower Upper
65 100
92 70.6 56.0 84.0
138 121.5 94.0 141.0



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





#49

Acenaphthylene

Concen: 10.461 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

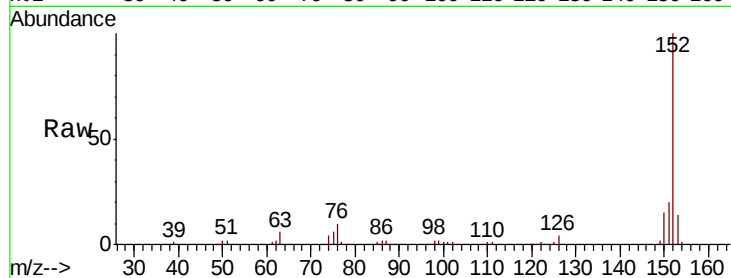
Tot Ion:152 Resp: 282896

Ion Ratio Lower Upper

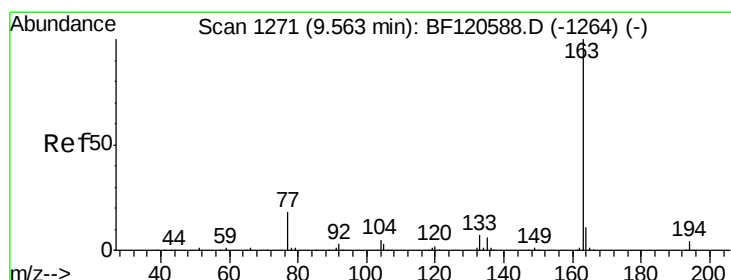
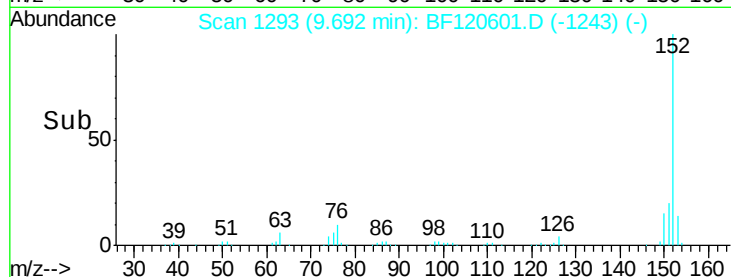
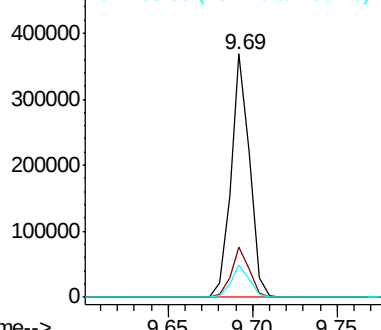
152 100

151 20.5 16.6 25.0

153 13.5 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: 9.552 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

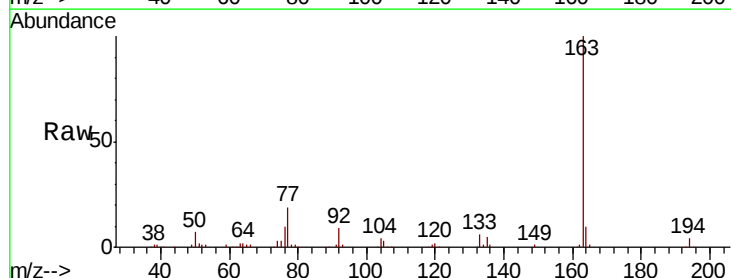
Tgt Ion:163 Resp: 197418

Ion Ratio Lower Upper

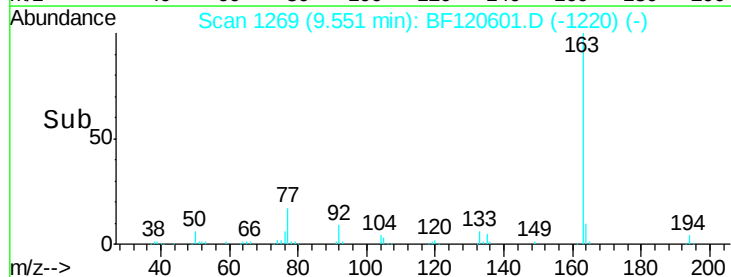
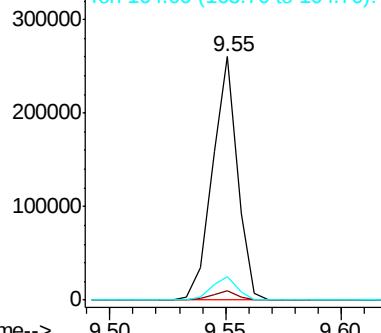
163 100

194 3.7 3.1 4.7

164 9.8 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

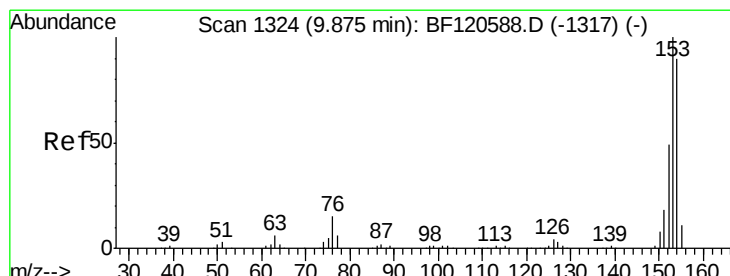
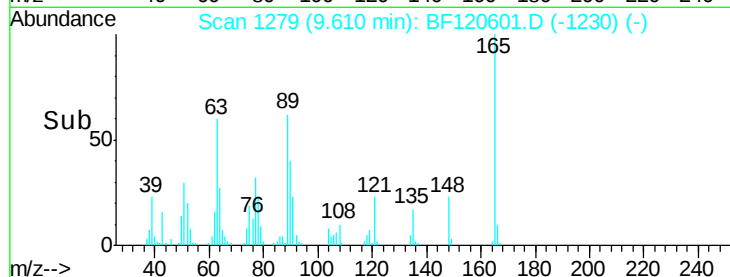
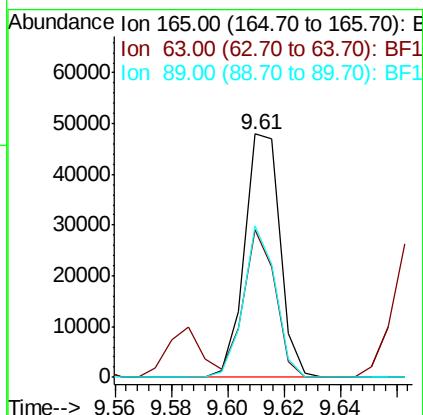
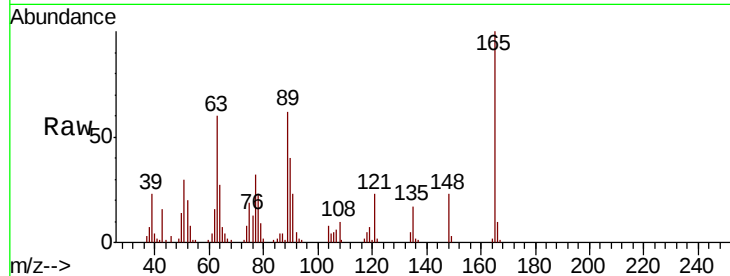




#51
2,6-Dinitrotoluene
Concen: 8.960 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

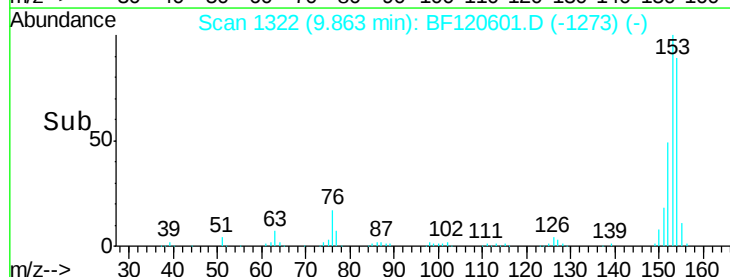
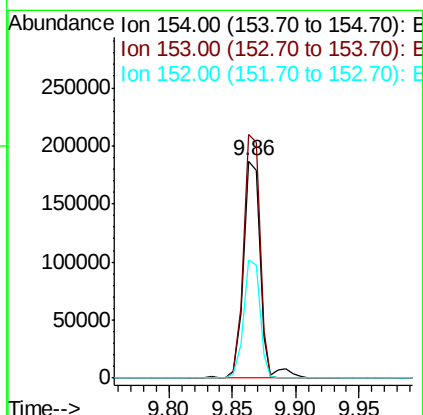
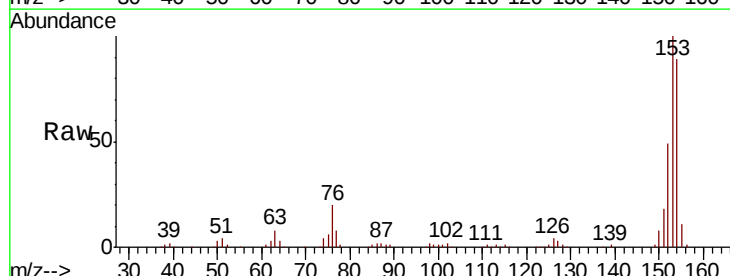
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

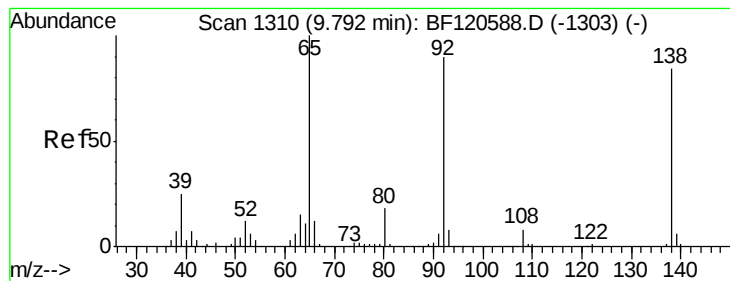
Tot Ion:165 Resp: 41964
Ion Ratio Lower Upper
165 100
63 60.4 41.7 62.5
89 62.1 42.6 64.0



#52
Acenaphthene
Concen: 10.703 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion:154 Resp: 172624
Ion Ratio Lower Upper
154 100
153 112.3 89.1 133.7
152 54.8 43.7 65.5





#53

3-Nitroaniline

Concen: 8.173 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

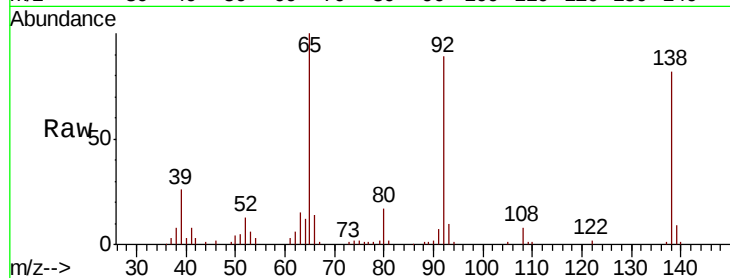
Tot Ion:138 Resp: 45978

Ion Ratio Lower Upper

138 100

108 10.1 8.0 12.0

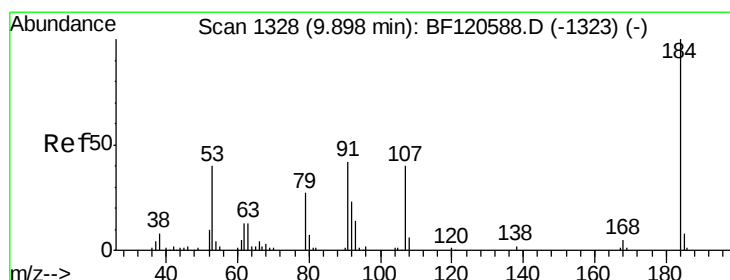
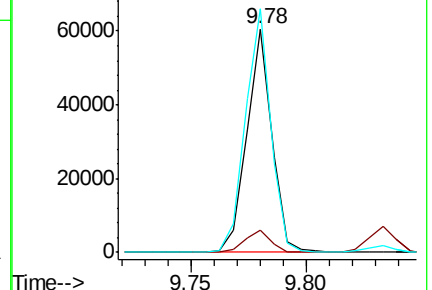
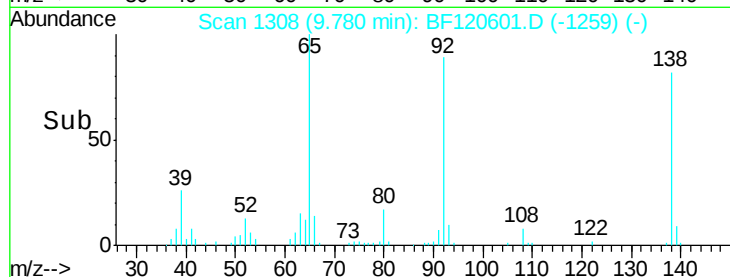
92 108.8 86.0 129.0



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 4.984 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

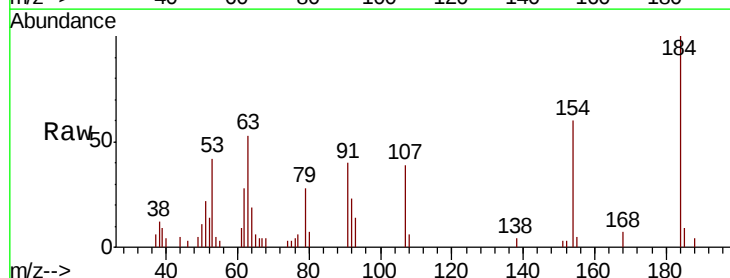
Tgt Ion:184 Resp: 12515

Ion Ratio Lower Upper

184 100

63 52.8 44.2 66.2

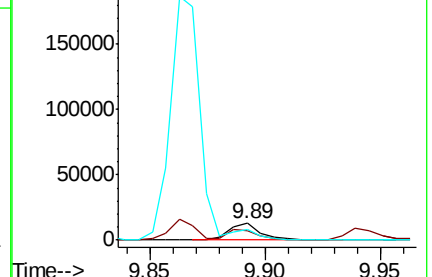
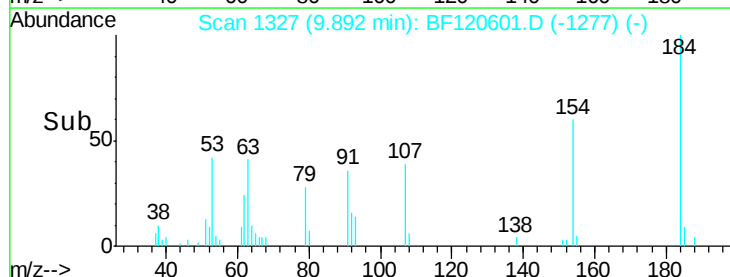
154 59.6 45.9 68.9

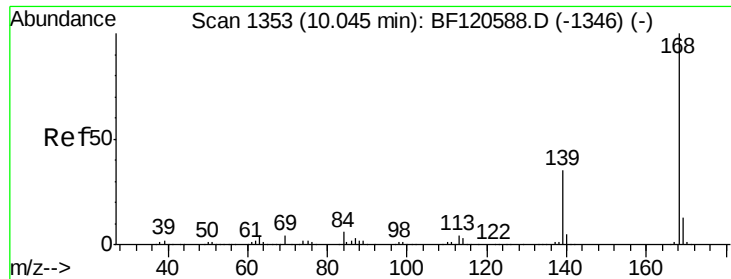


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

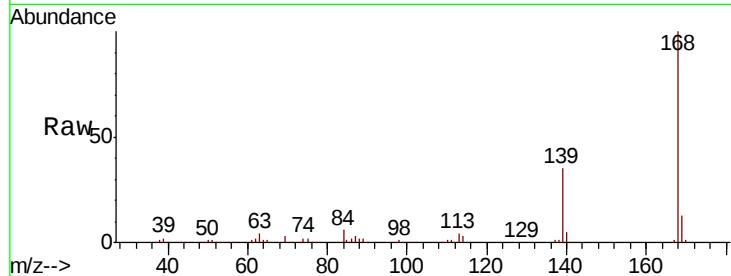




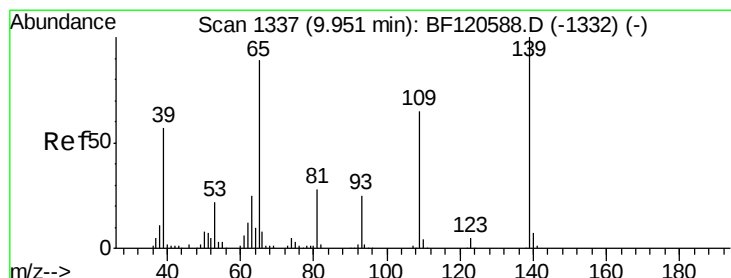
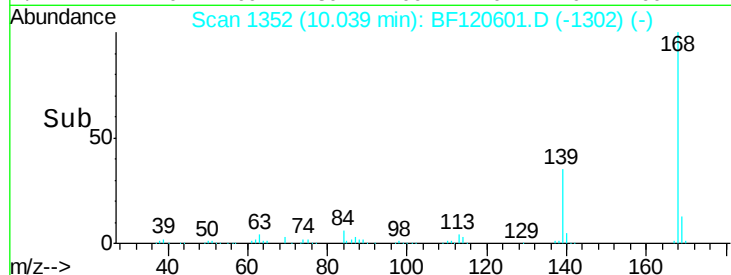
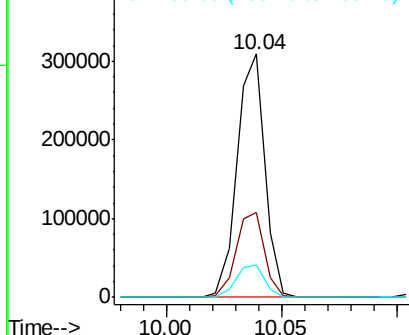
#55
Dibenzenofuran
Concen: 10.502 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:168 Resp: 259709
Ion Ratio Lower Upper
168 100
139 34.8 28.1 42.1
169 13.2 10.6 16.0

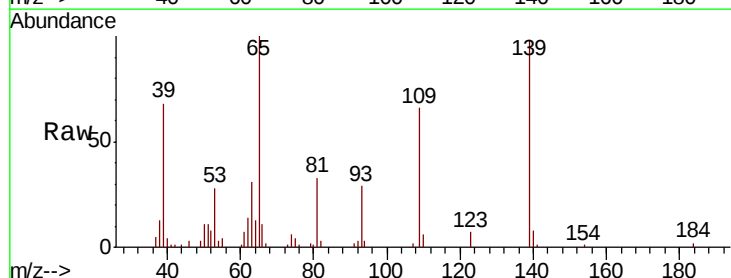


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

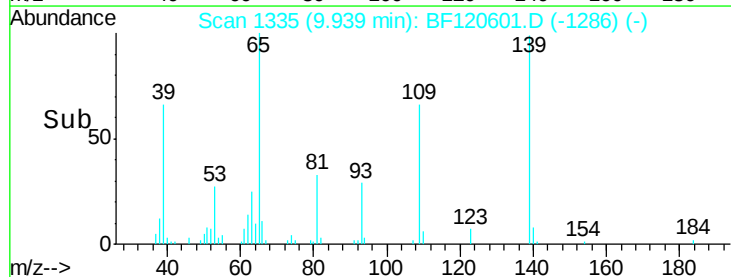
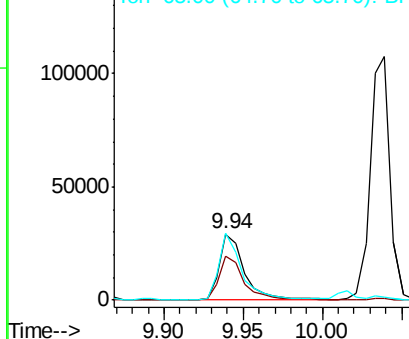


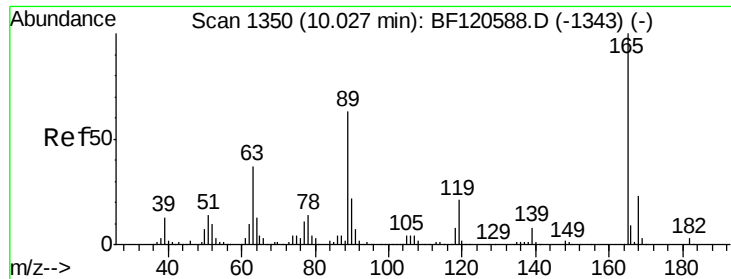
#56
4-Nitrophenol
Concen: 7.539 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion:139 Resp: 31940
Ion Ratio Lower Upper
139 100
109 67.4 44.6 84.6
65 102.6 69.2 109.2



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

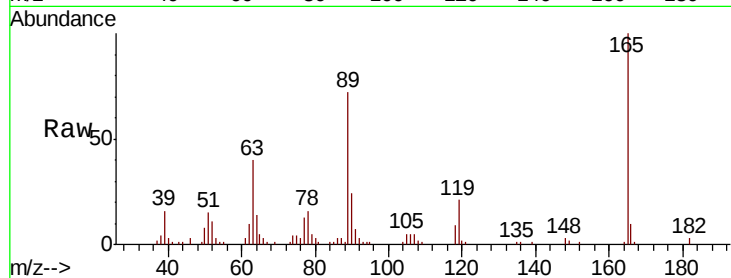




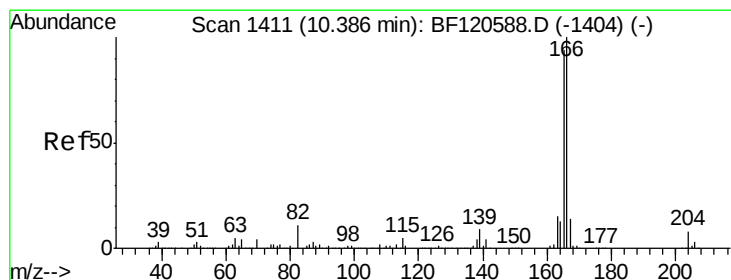
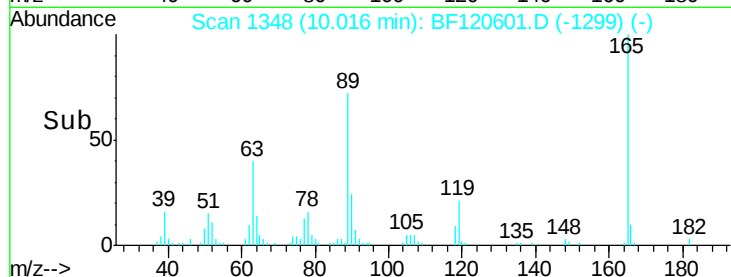
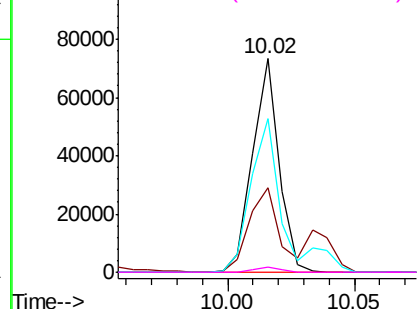
#57
2,4-Dinitrotoluene
Concen: 8.635 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:165	Resp:	53667	
Ion Ratio	Lower	Upper	
165 100			
63 39.6	29.8	44.8	
89 71.9	50.4	75.6	
182 2.6	2.1	3.1	

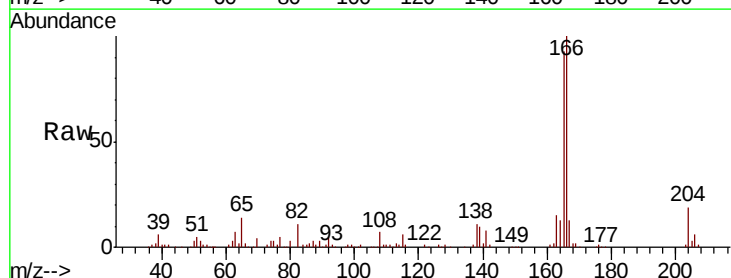


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

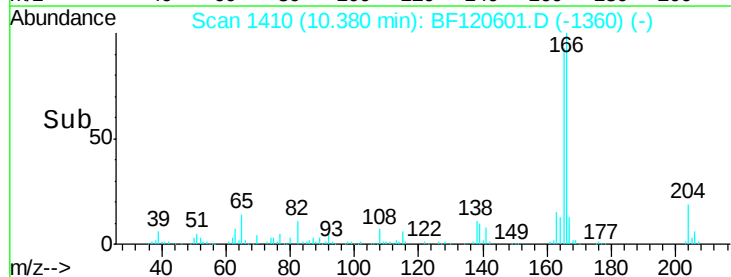
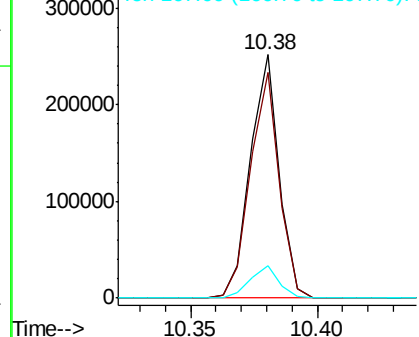


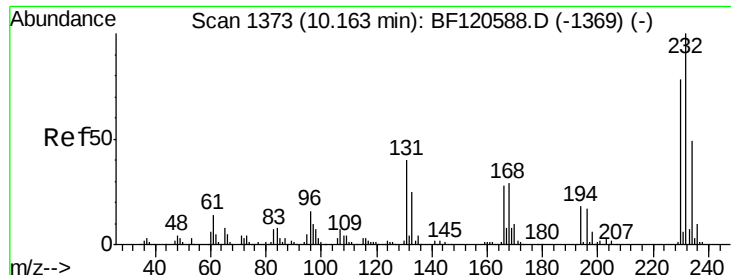
#58
Fluorene
Concen: 10.383 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt	Ion:166	Resp:	197942
Ion	Ratio	Lower	Upper
166	100		
165	92.8	75.0	112.6
167	13.5	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

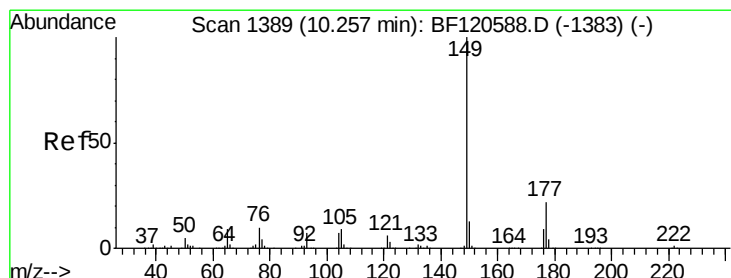
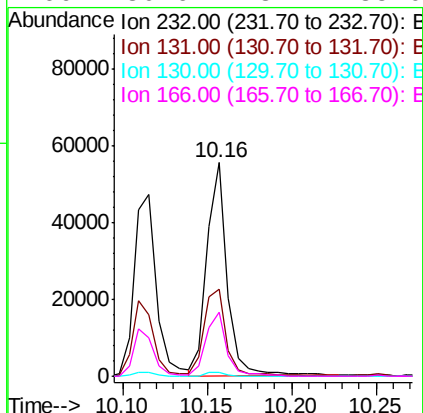
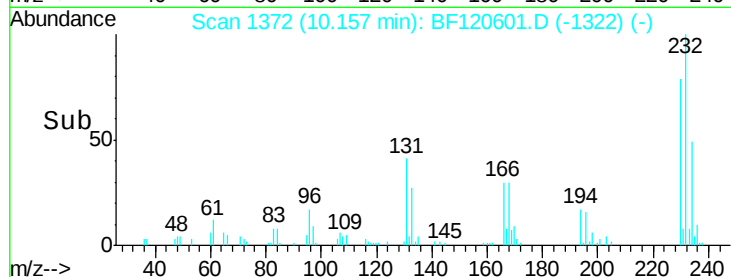
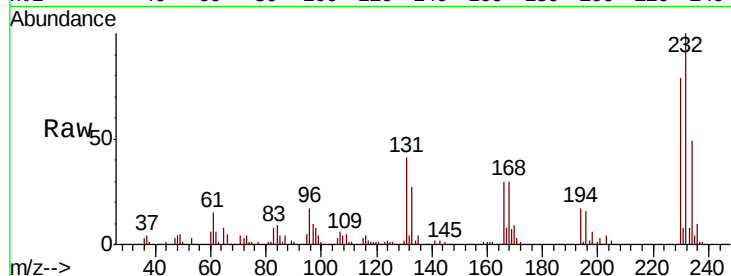




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 8.583 ng
 RT: 10.16 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

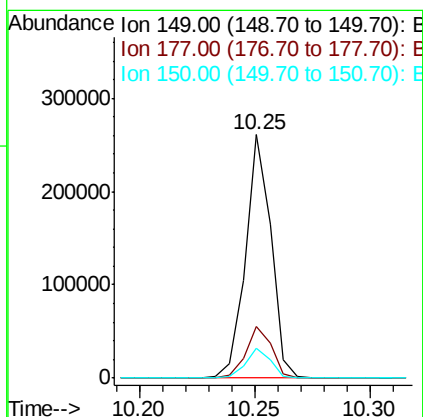
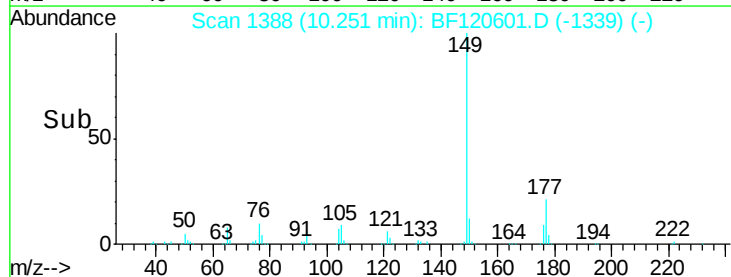
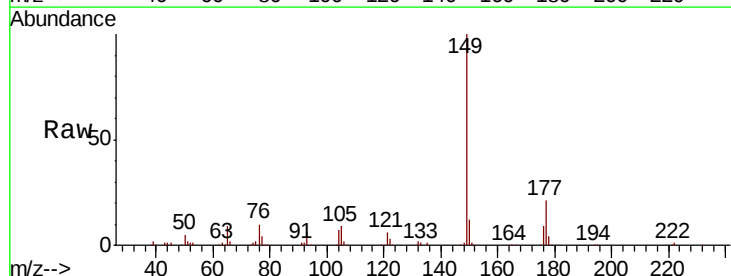
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

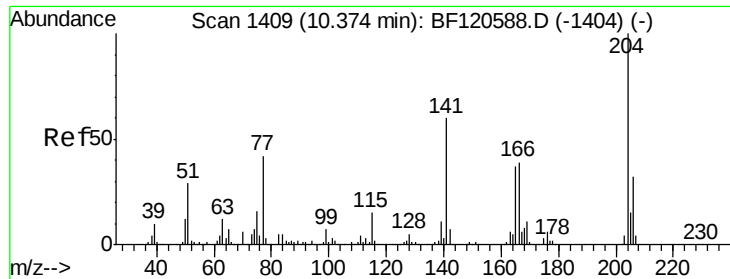
Tot Ion	Ratio	Lower	Upper
232	100		
131	45.3	33.5	50.3
130	1.9	1.5	2.3
166	30.6	23.4	35.0



#60
 Diethylphthalate
 Concen: 9.897 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.1	17.3	25.9
150	12.4	10.3	15.5

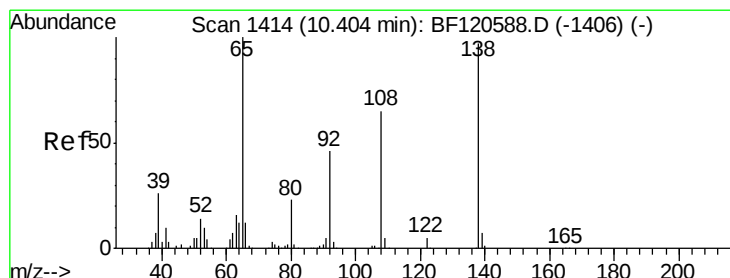
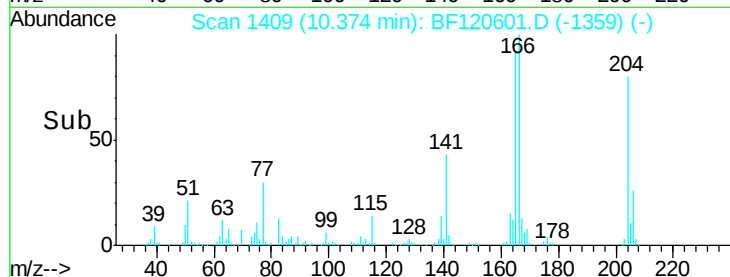
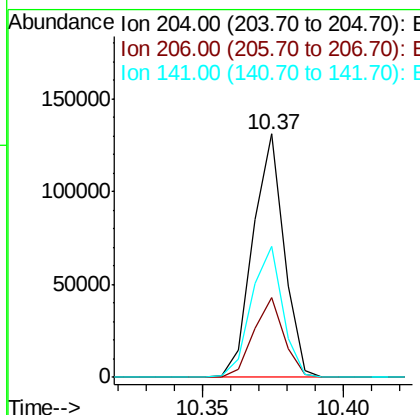
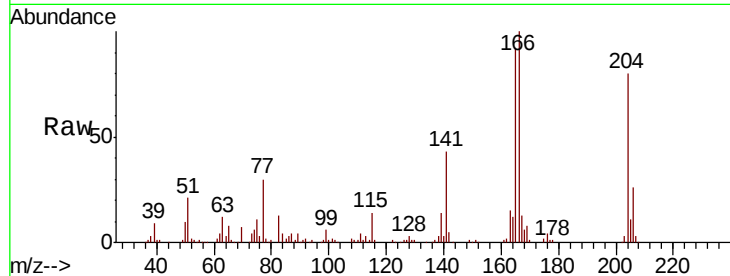




#61
 4-Chlorophenyl-phenylether
 Concen: 10.204 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

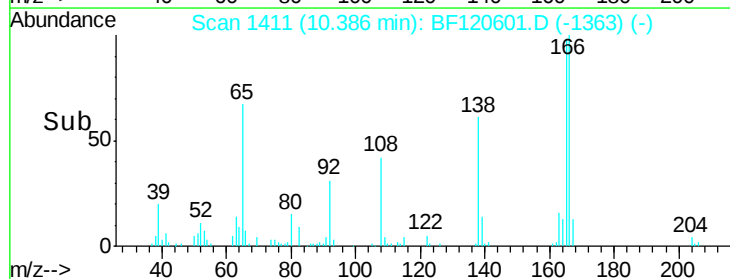
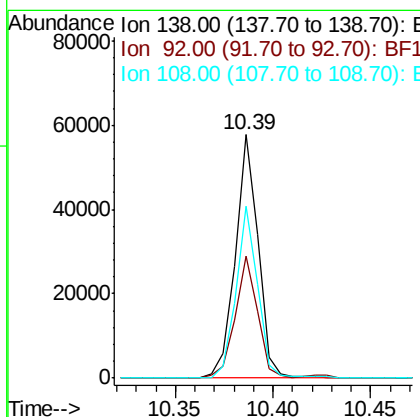
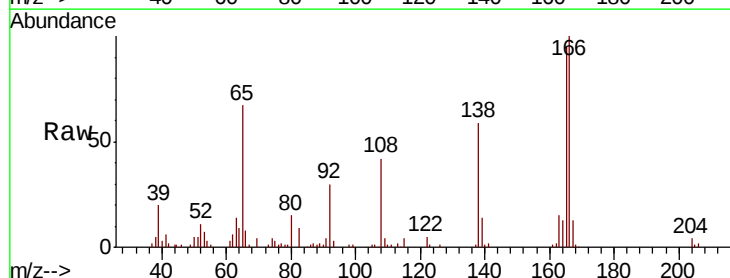
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Tot Ion:	204	Resp:	100454
Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.9	38.9
141	54.0	47.6	71.4



#62
 4-Nitroaniline
 Concen: 8.386 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.02 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion:	138	Resp:	46836
Ion	Ratio	Lower	Upper
138	100		
92	50.2	27.3	67.3
108	70.5	47.4	87.4

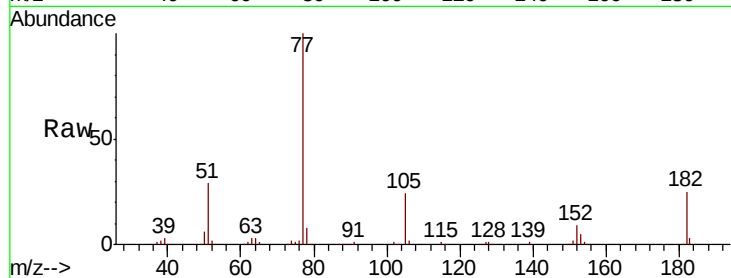




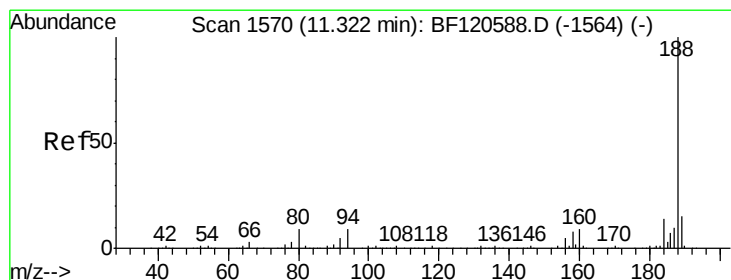
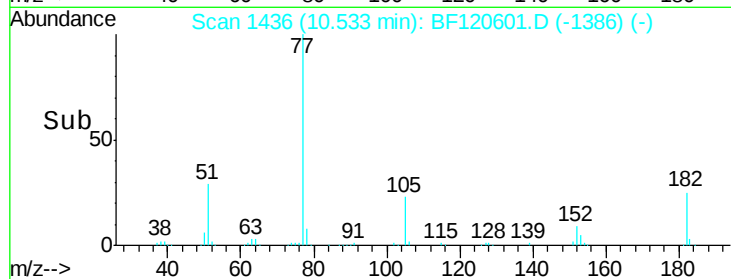
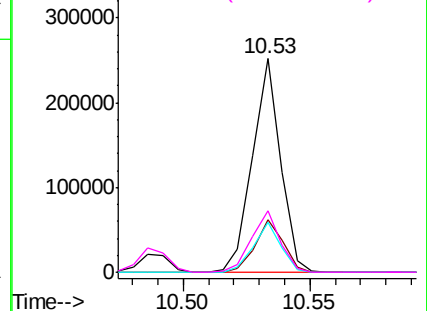
#63
Azobenzene
Concen: 10.529 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:	77	Resp:	194536
Ion	Ratio	Lower	Upper
77	100		
182	24.7	7.7	47.7
105	23.6	3.2	43.2
51	28.9	8.5	48.5

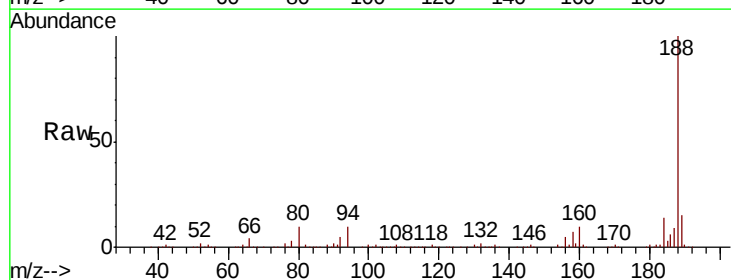


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 51.00 (50.70 to 51.70): BF1

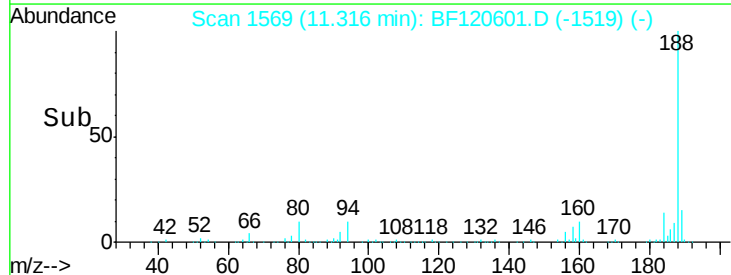
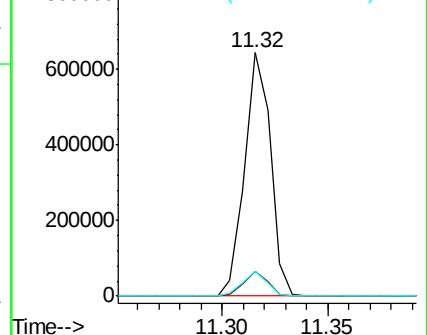


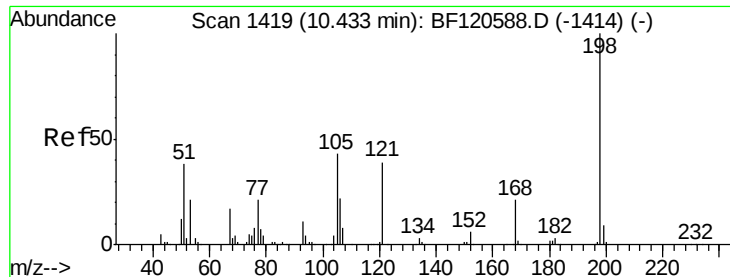
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion:	188	Resp:	546726
Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.2	10.8
80	10.1	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

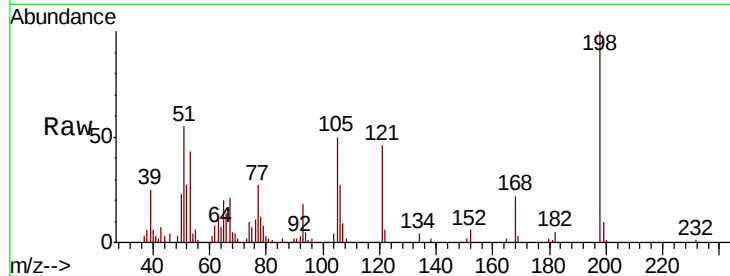




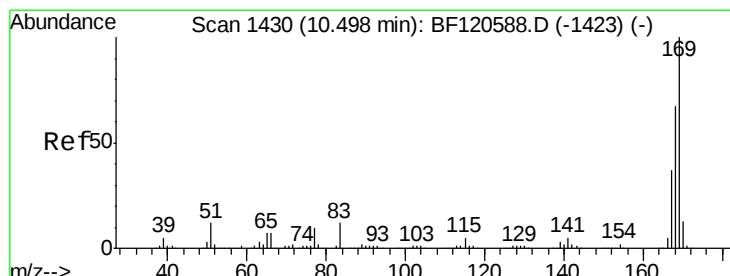
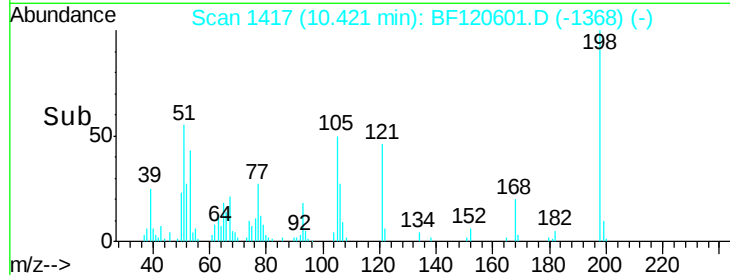
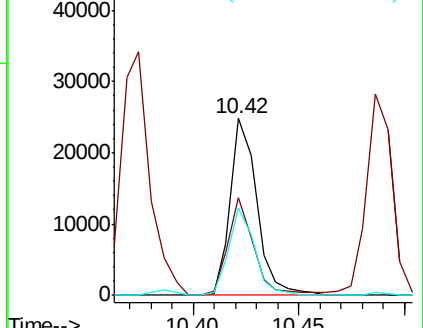
#65
4,6-Dinitro-2-methylphenol
Concen: 6.589 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:198 Resp: 21616
Ion Ratio Lower Upper
198 100
51 55.1 24.8 64.8
105 49.8 23.9 63.9

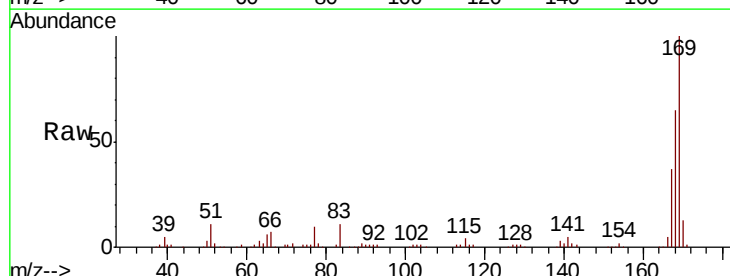


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

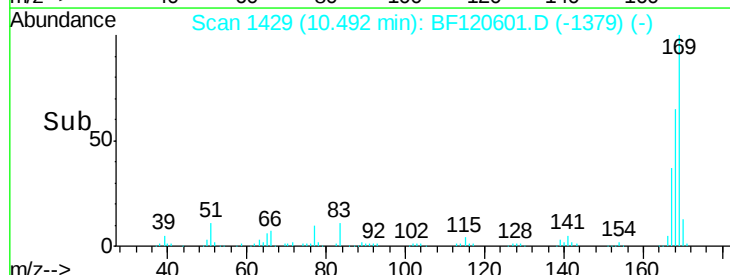
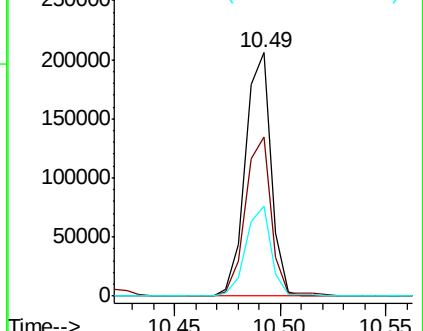


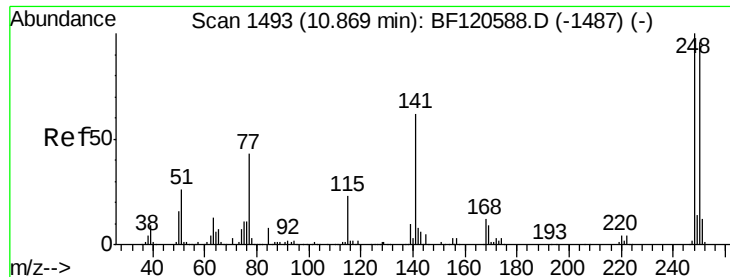
#66
n-Nitrosodiphenylamine
Concen: 10.334 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion:169 Resp: 173499
Ion Ratio Lower Upper
169 100
168 65.1 53.7 80.5
167 36.9 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

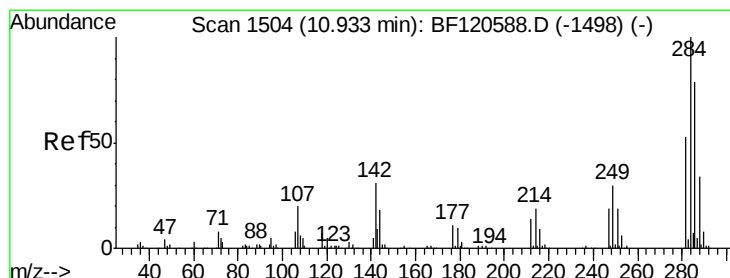
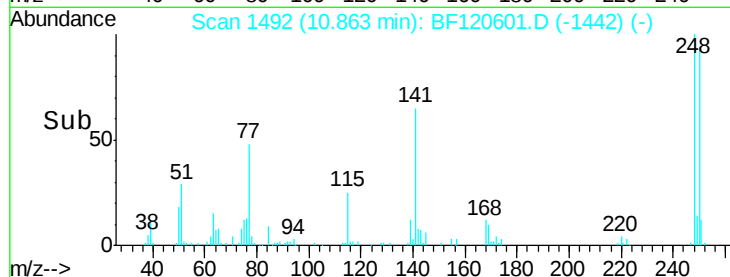
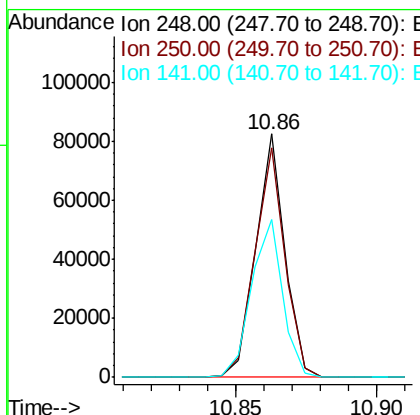
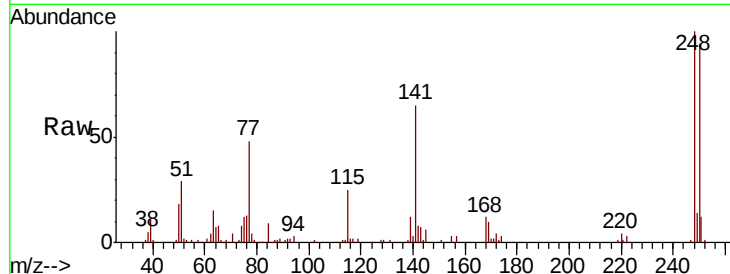




#67
 4-Bromophenyl-phenylether
 Concen: 9.480 ng
 RT: 10.86 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

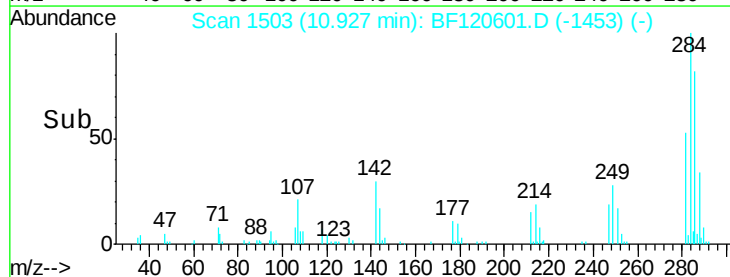
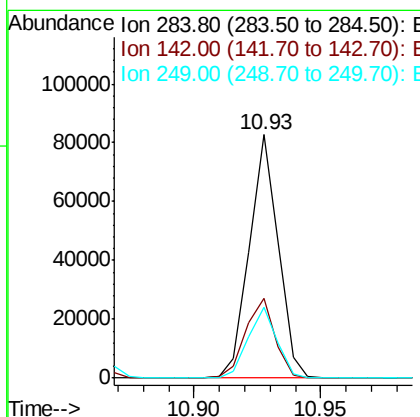
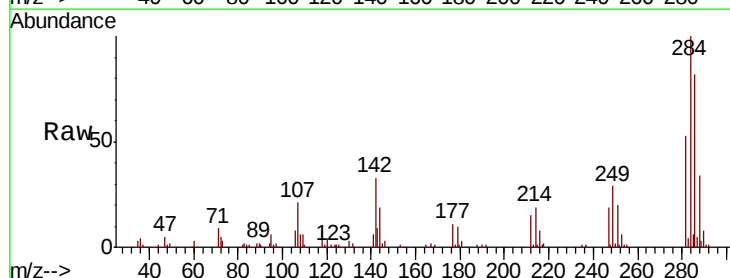
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

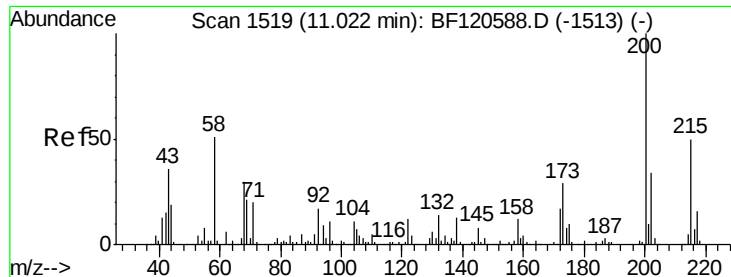
Tot Ion:248 Resp: 58822
 Ion Ratio Lower Upper
 248 100
 250 94.5 76.7 115.1
 141 64.9 49.4 74.0



#68
 Hexachlorobenzene
 Concen: 9.885 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion:284 Resp: 65947
 Ion Ratio Lower Upper
 284 100
 142 32.8 25.1 37.7
 249 29.2 24.0 36.0

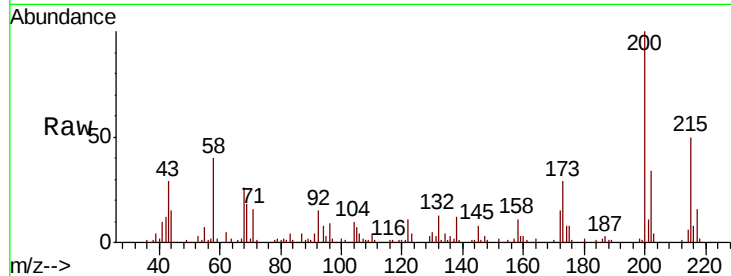




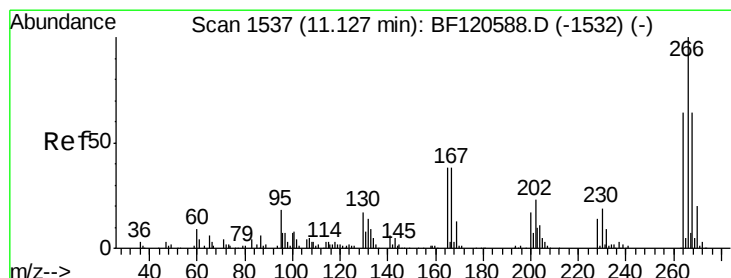
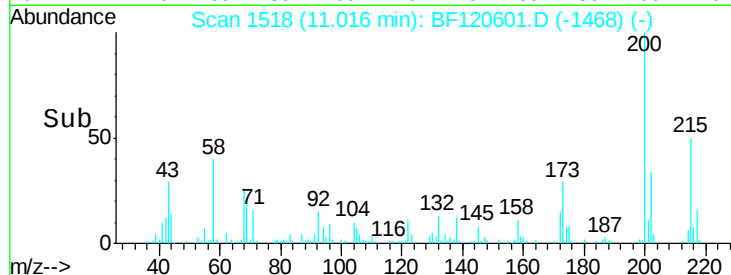
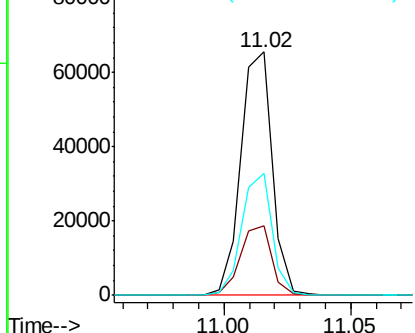
#69
Atrazine
Concen: 10.869 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:200 Resp: 56468
Ion Ratio Lower Upper
200 100
173 28.8 9.1 49.1
215 50.3 29.8 69.8

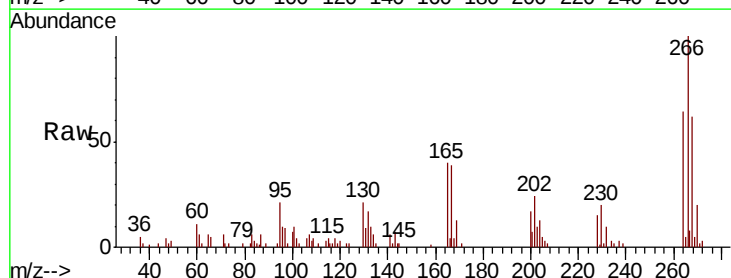


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

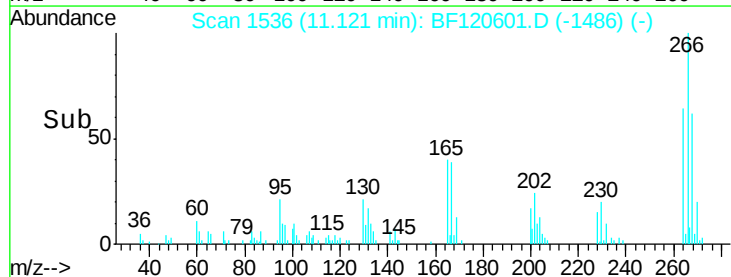
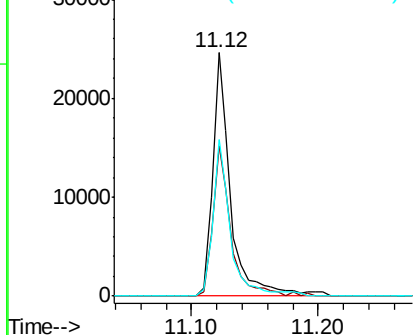


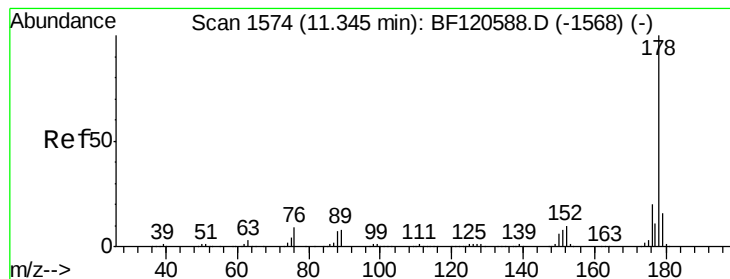
#70
Pentachlorophenol
Concen: 6.633 ng
RT: 11.12 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion:266 Resp: 24601
Ion Ratio Lower Upper
266 100
268 61.8 51.4 77.0
264 64.4 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: 10.651 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

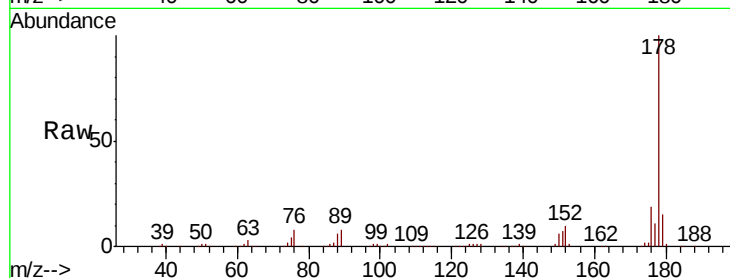
BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion:178 Resp: 289472

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.9	23.9
179	15.1	12.8	19.2

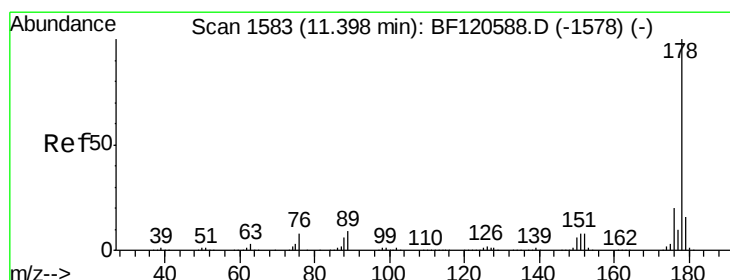
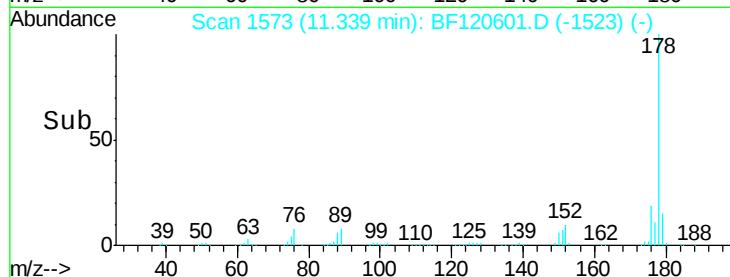
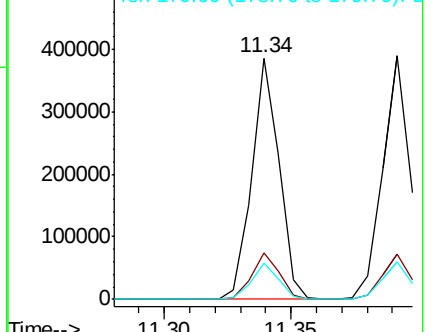


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 10.711 ng

RT: 11.39 min Scan# 1582

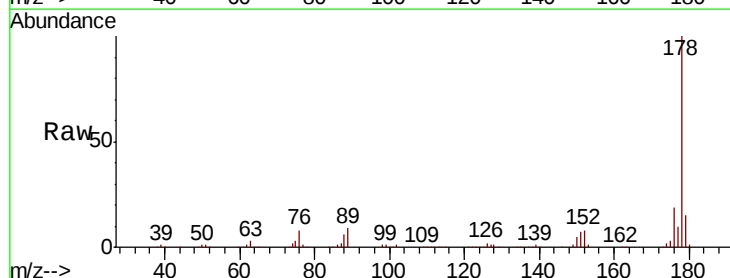
Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Tgt Ion:178 Resp: 293428

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	15.3	12.9	19.3

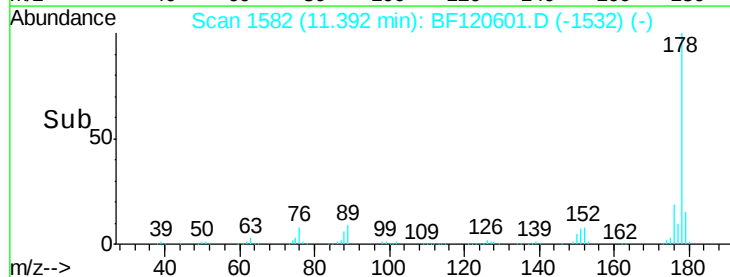
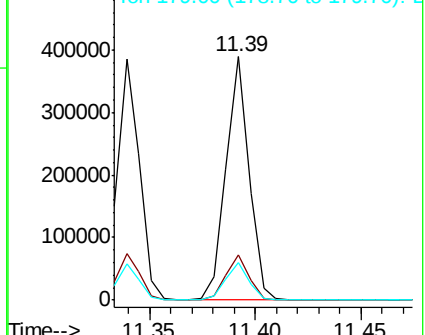


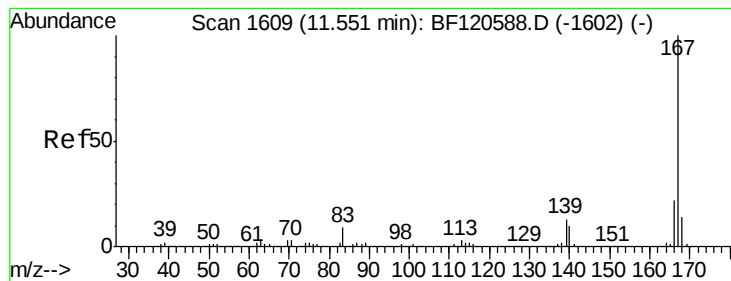
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 9.747 ng

RT: 11.54 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

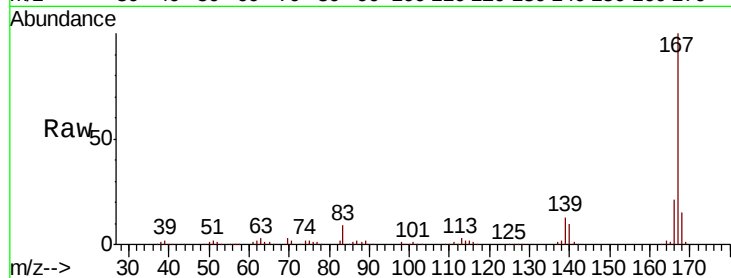
Tot Ion:167 Resp: 264324

Ion Ratio Lower Upper

167 100

166 21.3 17.2 25.8

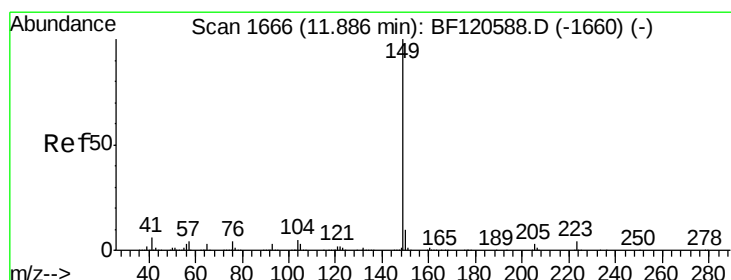
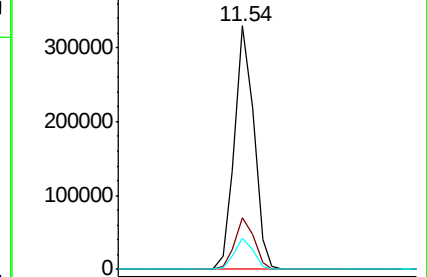
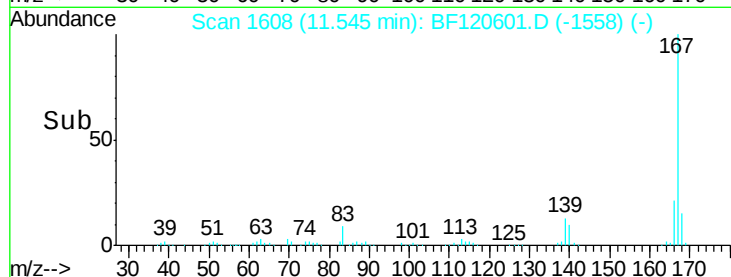
139 12.9 10.1 15.1



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: 10.305 ng

RT: 11.88 min Scan# 1665

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

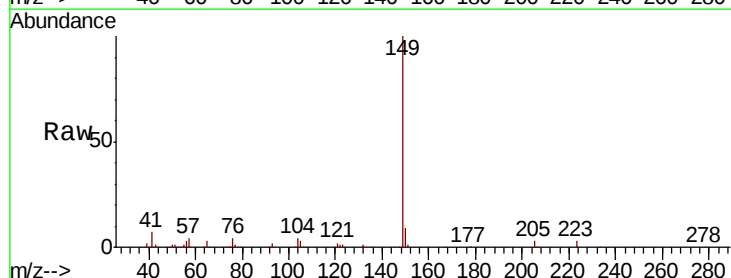
Tgt Ion:149 Resp: 314178

Ion Ratio Lower Upper

149 100

150 9.1 7.7 11.5

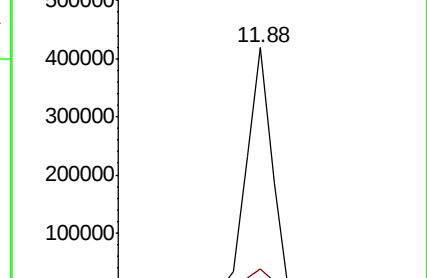
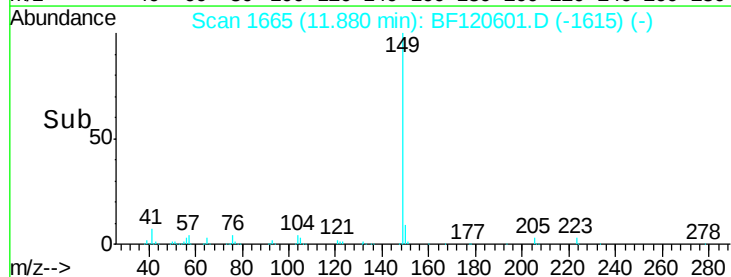
104 4.4 3.7 5.5

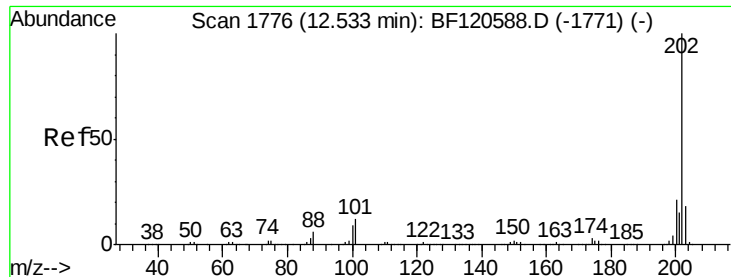


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

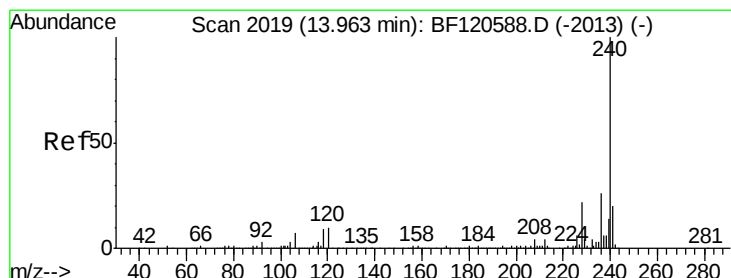
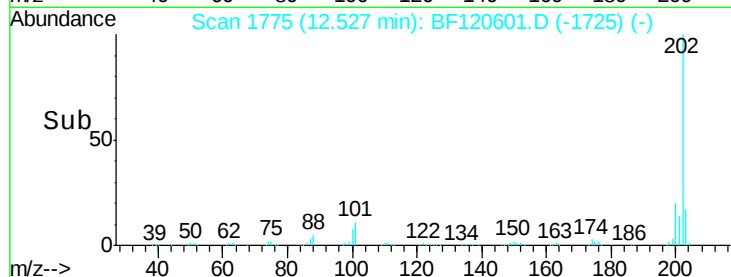
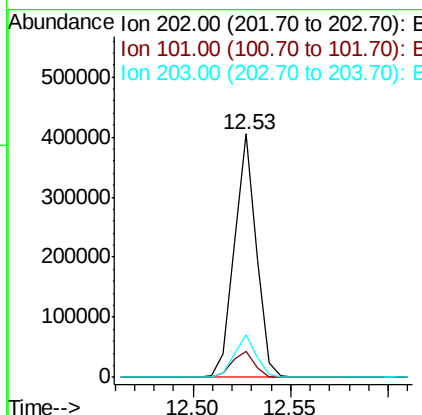
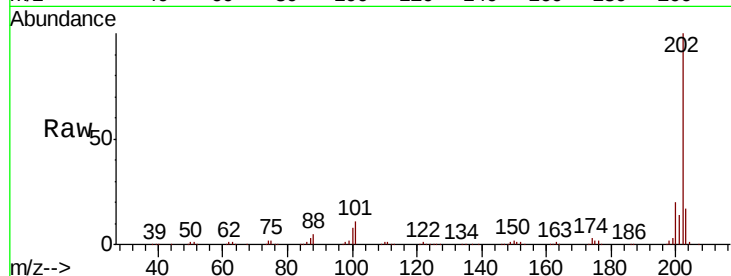




#75
 Fluoranthene
 Concen: 10.164 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

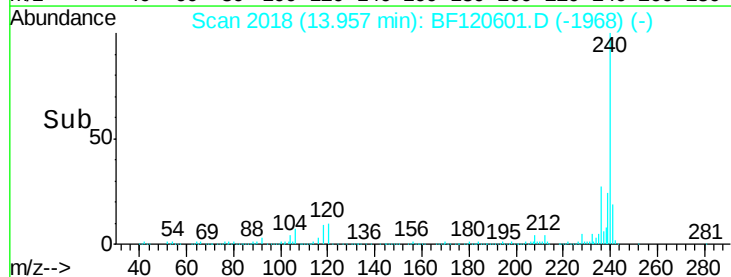
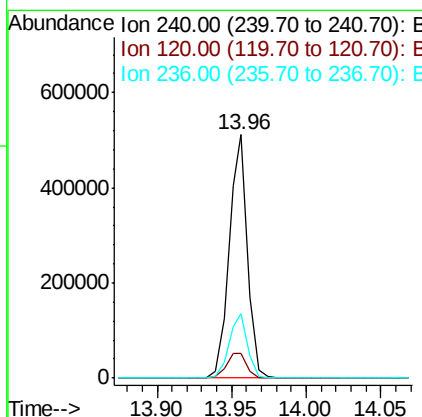
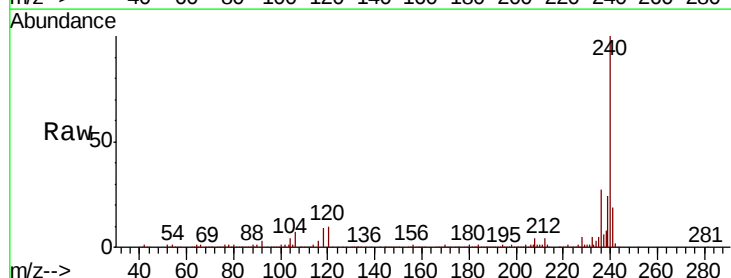
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

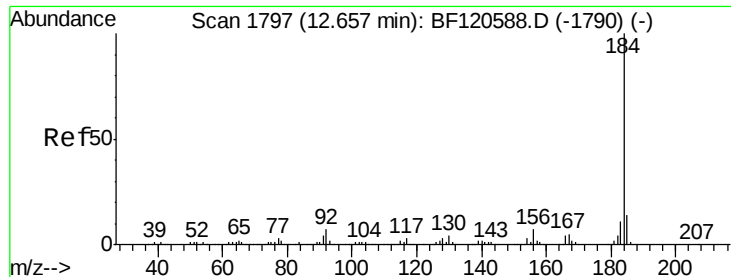
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	32.0
203	17.4	0.0	38.3



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.3	12.5
236	26.6	21.0	31.4





#77

Benzidine

Concen: 11.470 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

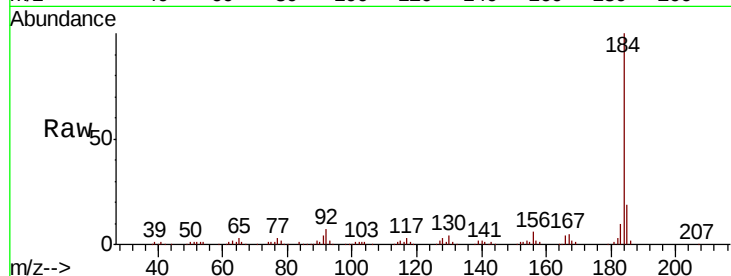
Tot Ion:184 Resp: 171215

Ion Ratio Lower Upper

184 100

185 18.5 11.4 17.0#

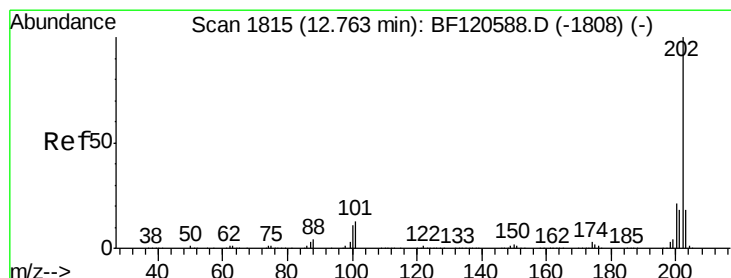
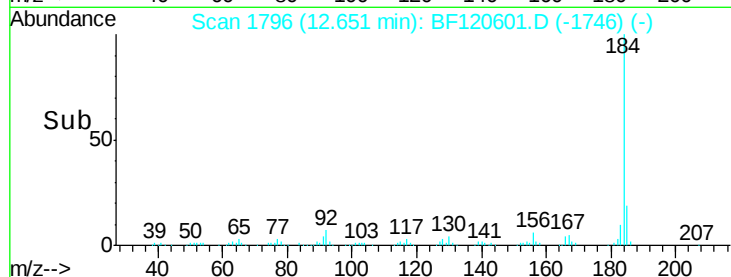
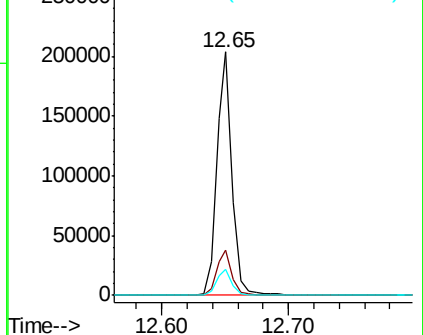
183 10.5 9.0 13.6



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: 10.429 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

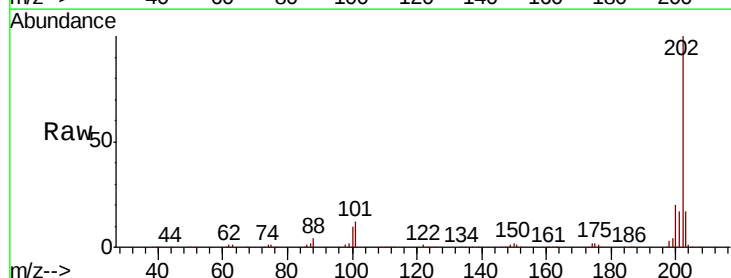
Tgt Ion:202 Resp: 326094

Ion Ratio Lower Upper

202 100

200 19.8 16.8 25.2

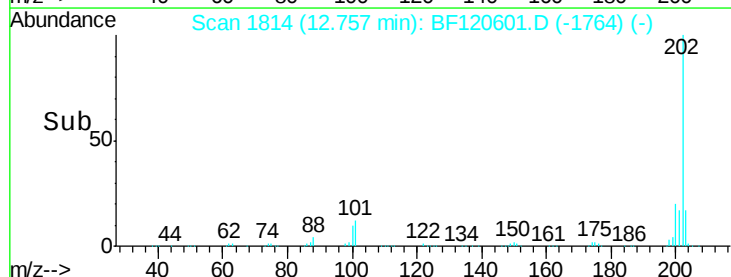
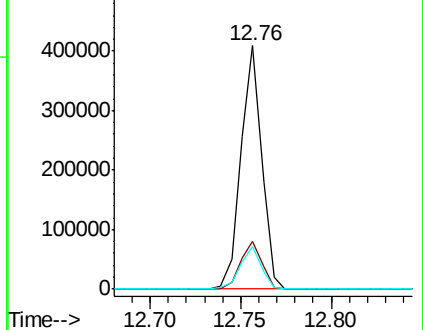
203 17.3 14.3 21.5

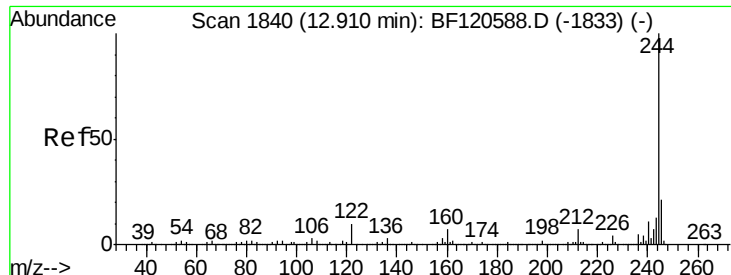


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

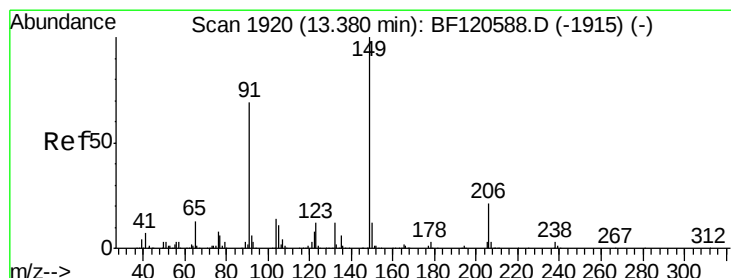
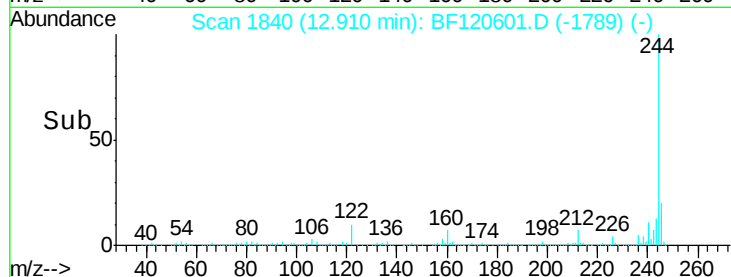
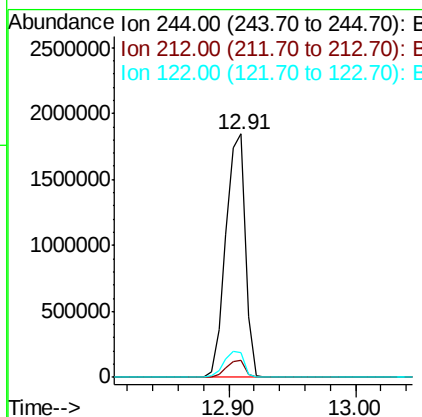
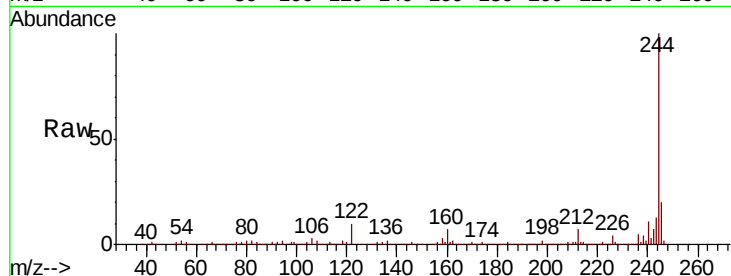




#79
 Terphenyl-d14
 Concen: 98.256 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.00 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

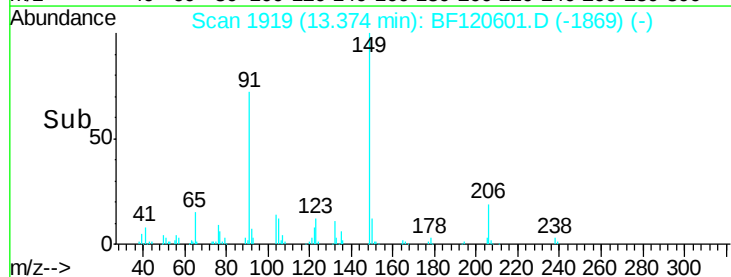
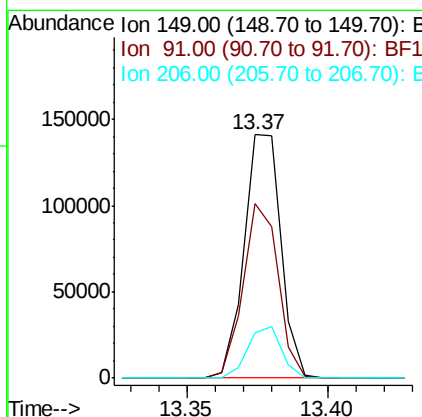
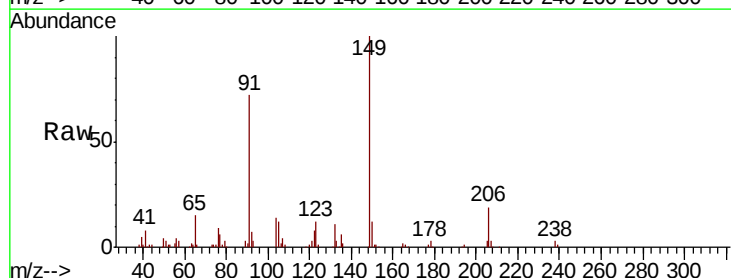
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

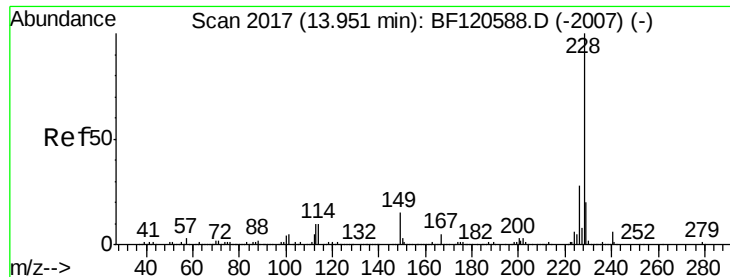
Tot Ion:244 Resp: 1963291
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 10.2 8.3 12.5



#80
 Butylbenzylphthalate
 Concen: 9.212 ng
 RT: 13.37 min Scan# 1919
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion:149 Resp: 127898
 Ion Ratio Lower Upper
 149 100
 91 71.7 55.4 83.0
 206 18.6 17.0 25.4





#81

Benzo(a)anthracene

Concen: 11.235 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

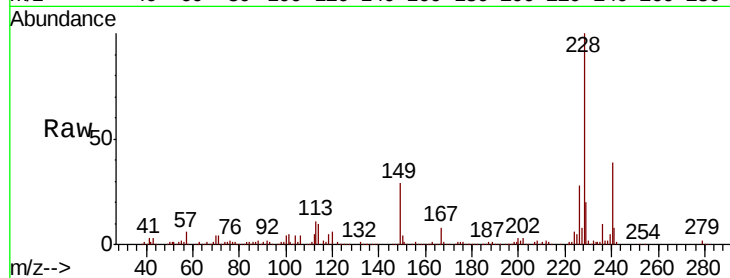
Tot Ion:228 Resp: 297916

Ion Ratio Lower Upper

228 100

226 27.7 22.5 33.7

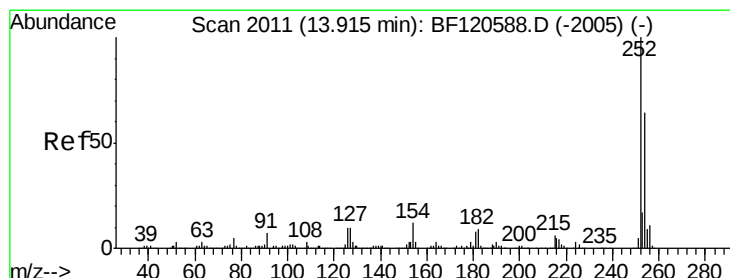
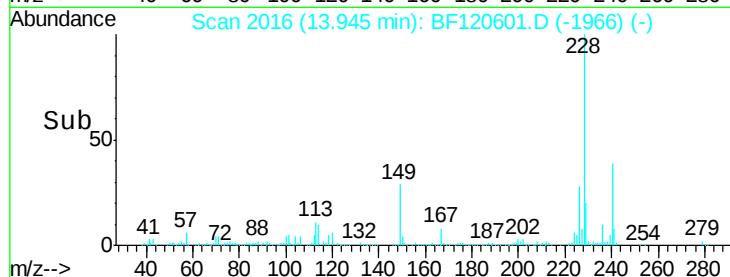
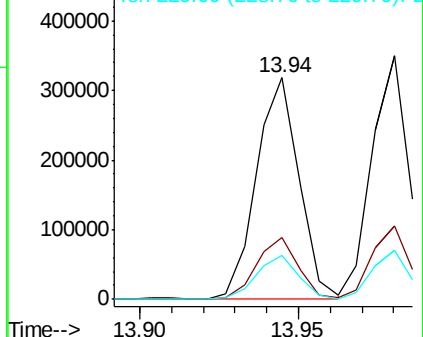
229 19.8 16.1 24.1



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: 11.615 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

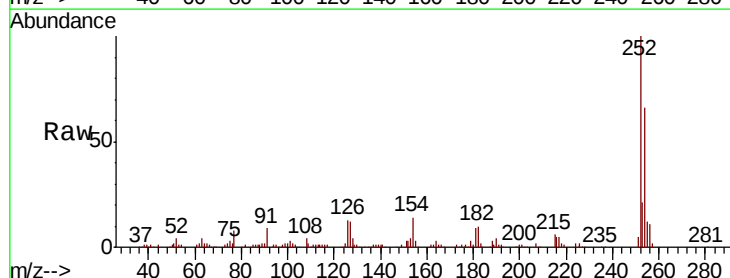
Tgt Ion:252 Resp: 117640

Ion Ratio Lower Upper

252 100

254 65.8 51.4 77.2

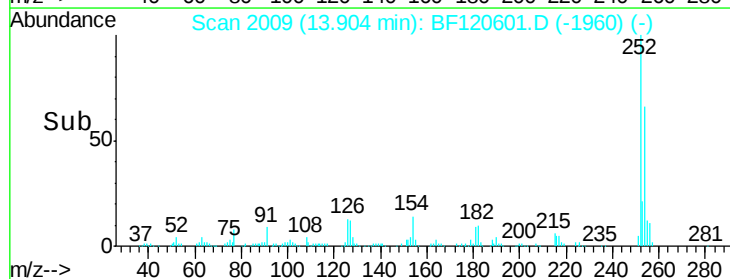
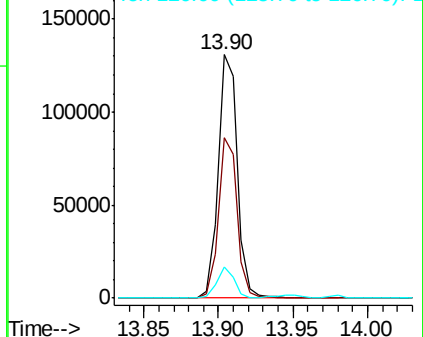
126 12.7 7.9 11.9#

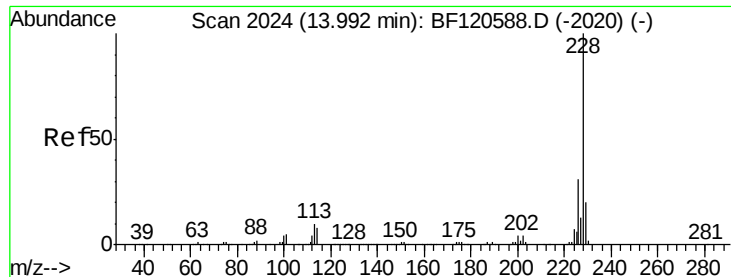


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 10.502 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

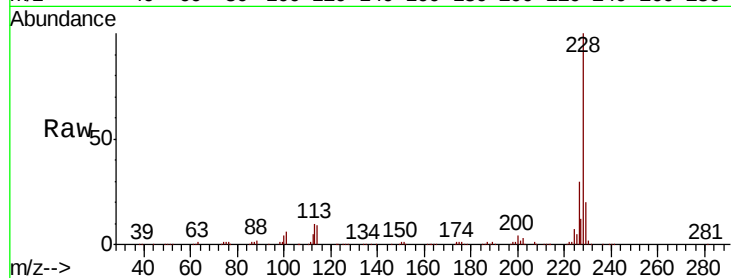
Tot Ion:228 Resp: 285647

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

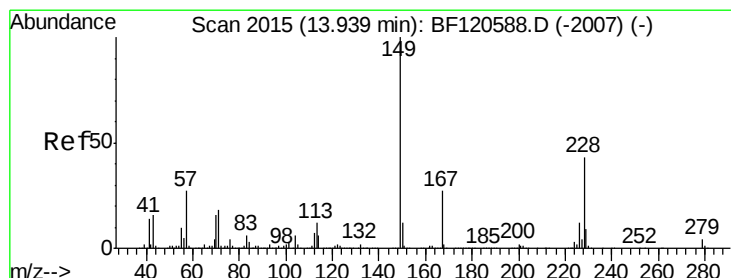
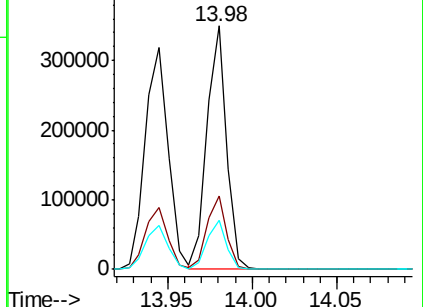
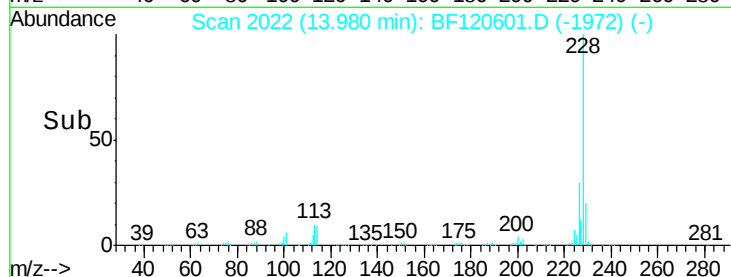
229 19.9 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 11.295 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

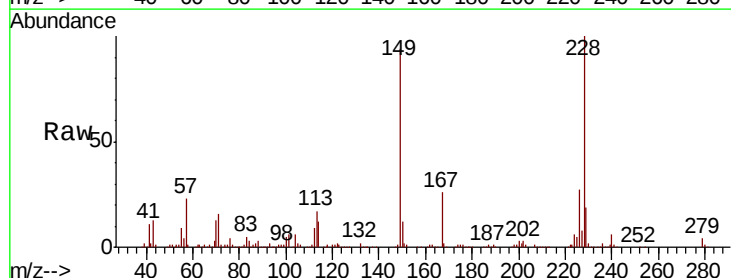
Tgt Ion:149 Resp: 191392

Ion Ratio Lower Upper

149 100

167 27.7 22.0 33.0

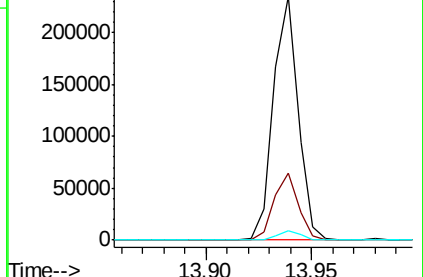
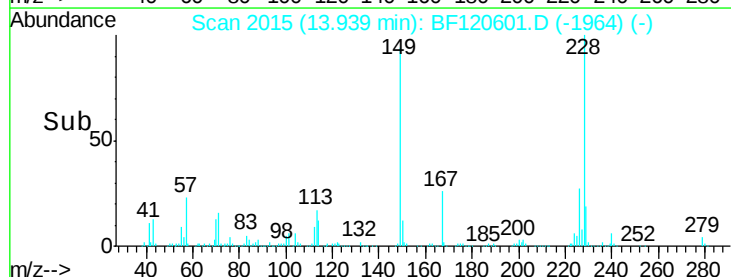
279 3.9 3.0 4.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

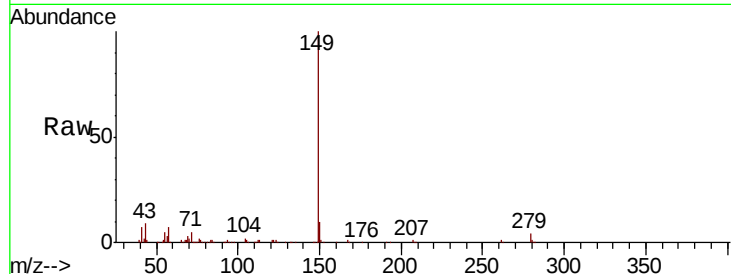




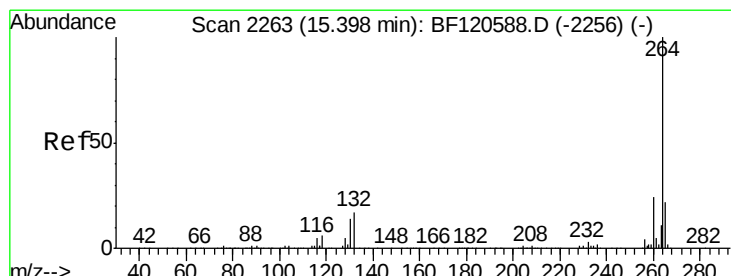
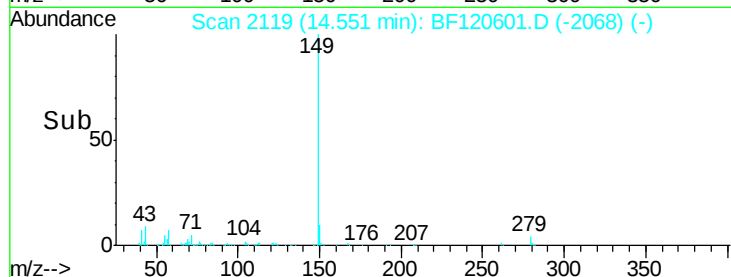
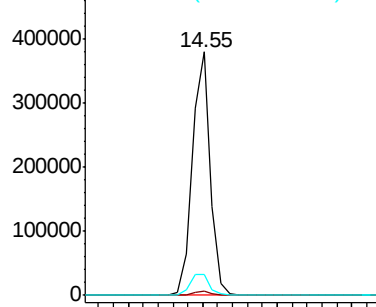
#85
Di-n-octyl phthalate
Concen: 9.898 ng
RT: 14.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:149 Resp: 320081
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.9 7.6 11.4

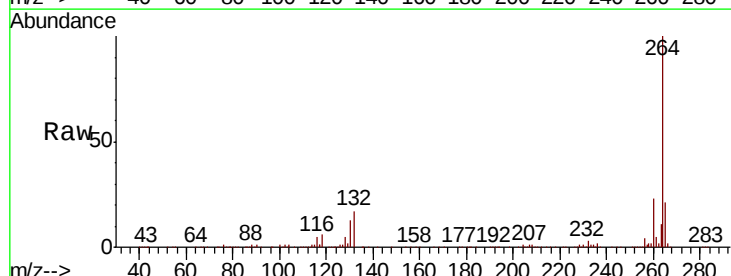


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

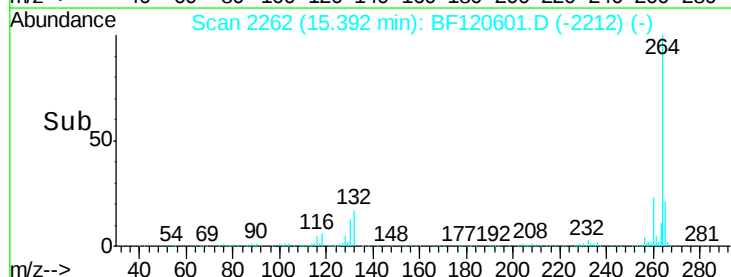
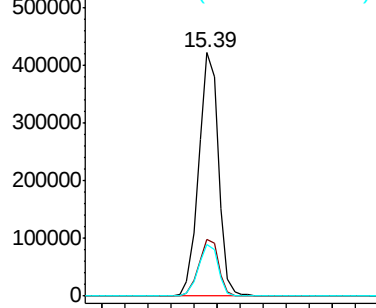


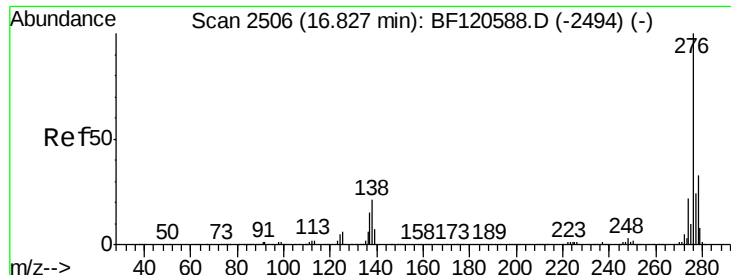
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion:264 Resp: 498655
Ion Ratio Lower Upper
264 100
260 23.2 19.3 28.9
265 21.2 17.8 26.8



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

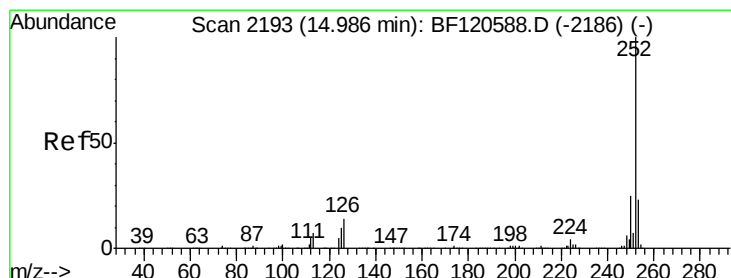
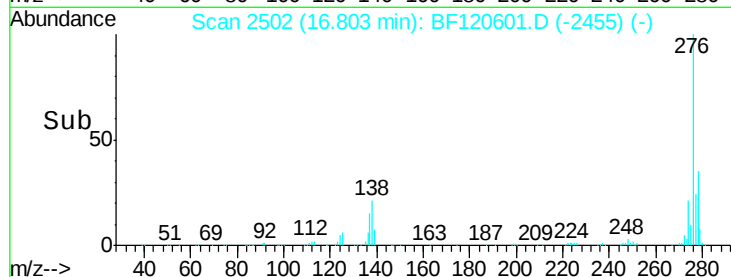
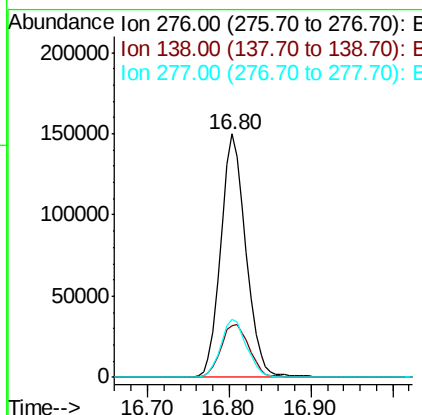
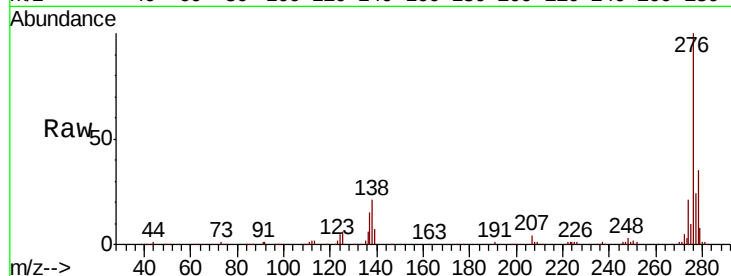




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.595 ng
 RT: 16.80 min Scan# 2502
 Delta R.T. -0.02 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

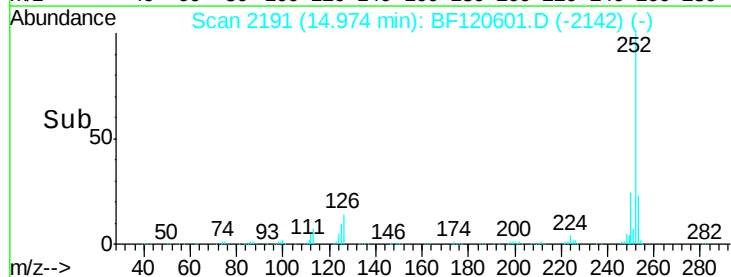
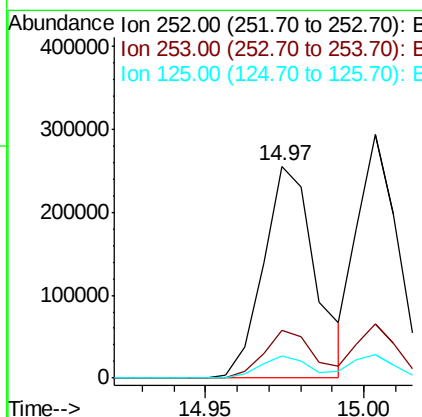
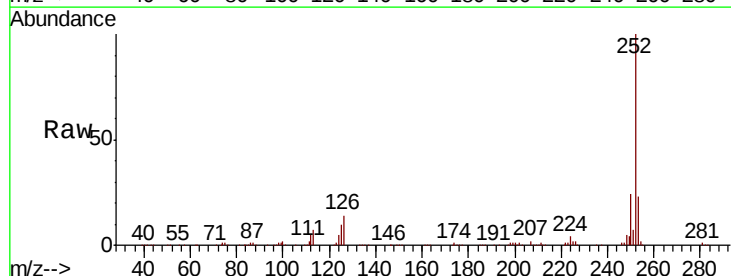
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

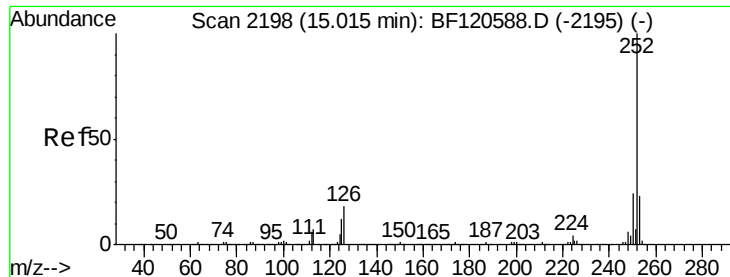
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.5	18.9	28.3
277	24.6	20.2	30.2



#88
 Benzo(b)fluoranthene
 Concen: 9.817 ng
 RT: 14.97 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BF120601.D
 Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	10.3	8.3	12.5

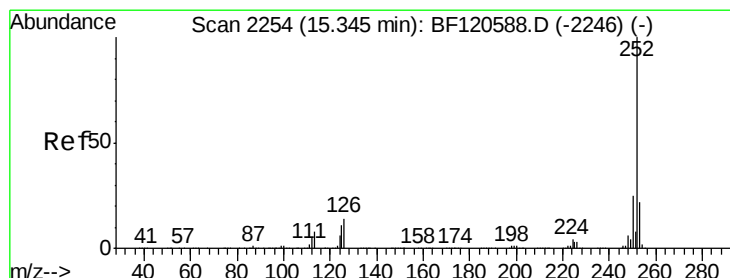
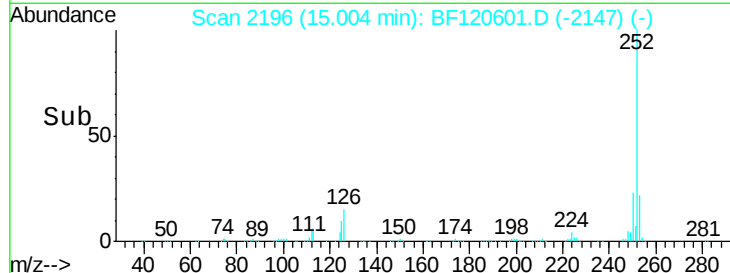
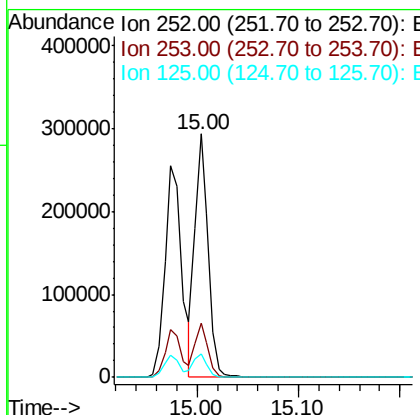
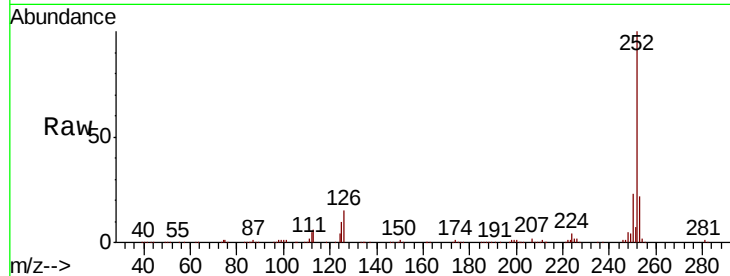




#89
Benzo(k)fluoranthene
Concen: 10.091 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

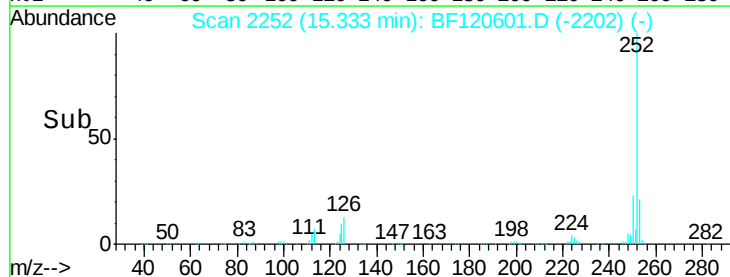
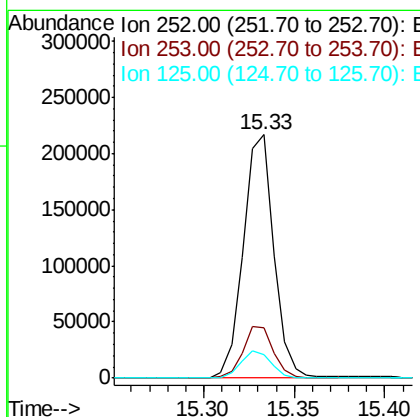
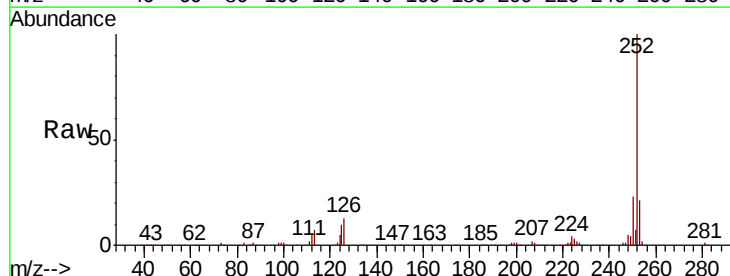
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2020

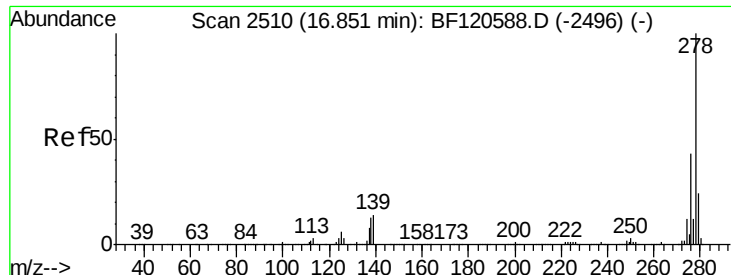
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	9.9	8.3	12.5



#90
Benzo(a)pyrene
Concen: 9.556 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.01 min
Lab File: BF120601.D
Acq: 11 Jun 2020 14:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.8	26.8
125	9.7	8.6	12.8





#91

Dibenzo(a,h)anthracene

Concen: 11.250 ng

RT: 16.82 min Scan# 2505

Delta R.T. -0.02 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2020

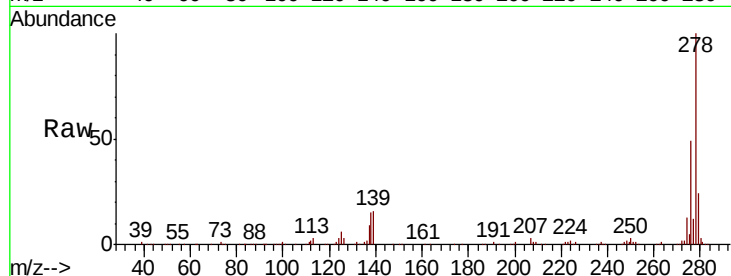
Tot Ion:278 Resp: 273633

Ion Ratio Lower Upper

278 100

139 15.8 11.4 17.2

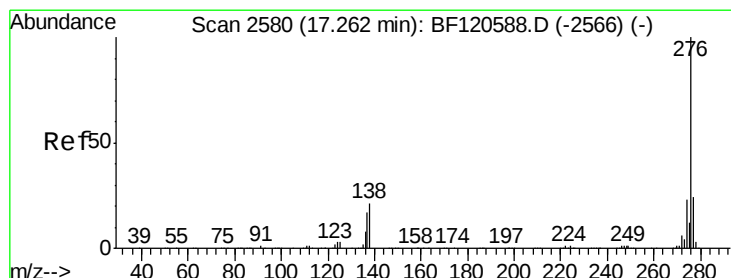
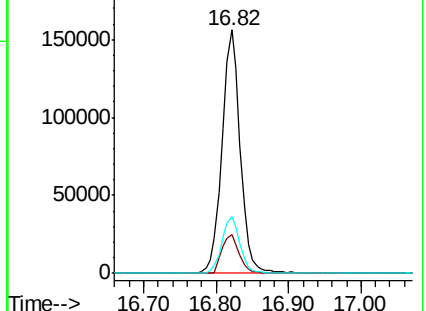
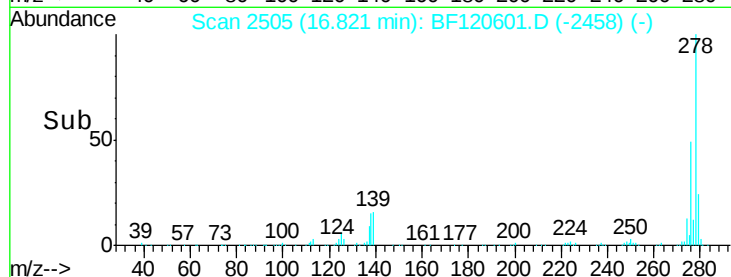
279 23.5 19.1 28.7



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: 11.159 ng

RT: 17.23 min Scan# 2575

Delta R.T. -0.02 min

Lab File: BF120601.D

Acq: 11 Jun 2020 14:29

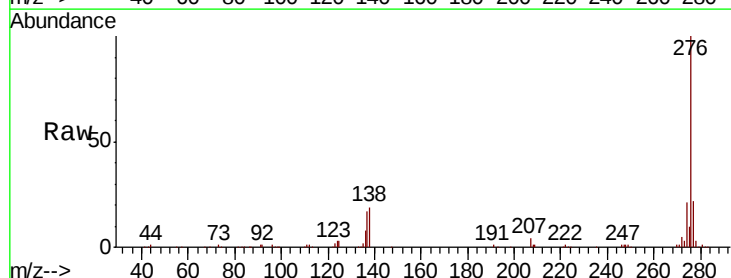
Tgt Ion:276 Resp: 273576

Ion Ratio Lower Upper

276 100

277 22.3 19.6 29.4

138 19.3 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

