

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061220\
 Data File : BF120614.D
 Acq On : 12 Jun 2020 16:53
 Operator : JU/CG
 Sample : L2182-01
 Misc : LOD-MDL-SOIL-5PPM
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jun 12 17:39:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 16:54:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	146504	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	542481	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	294960	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	546652	20.00	ng	0.00
76) Chrysene-d12	13.95	240	451927	20.00	ng	-0.01
86) Perylene-d12	15.39	264	508082	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1216346	142.34	ng	0.00
7) Phenol-d6	6.43	99	1518992	142.72	ng	0.00
23) Nitrobenzene-d5	7.36	82	997881	102.82	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	474056	138.24	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1819257	94.37	ng	0.00
79) Terphenyl-d14	12.90	244	2049931	100.19	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.47	88	20411	5.040	ng	95
3) Pyridine	3.29	79	32815	2.882	ng	# 93
4) n-Nitrosodimethylamine	3.15	42	22720	4.809	ng	# 81
6) Aniline	6.46	93	72722	5.339	ng	98
8) 2-Chlorophenol	6.58	128	47422	4.911	ng	93
9) Benzaldehyde	6.35	77	40964	6.085	ng	98
10) Phenol	6.45	94	61177	5.387	ng	92
11) bis(2-Chloroethyl)ether	6.53	93	46574	4.924	ng	99
12) 1,3-Dichlorobenzene	6.74	146	51878	5.053	ng	97
13) 1,4-Dichlorobenzene	6.82	146	54111	5.342	ng	99
14) 1,2-Dichlorobenzene	6.97	146	49312	4.998	ng	99
15) Benzyl Alcohol	6.93	79	48822	6.468	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.07	45	68012	4.994	ng	99
17) 2-Methylphenol	7.05	107	39147	4.753	ng	98
18) Hexachloroethane	7.31	117	19612	5.255	ng	92
19) n-Nitroso-di-n-propylamine	7.20	70	34258	5.549	ng	98
20) 3+4-Methylphenols	7.20	107	49652	4.825	ng	# 70
22) Acetophenone	7.20	105	72002	5.937	ng	96
24) Nitrobenzene	7.37	77	53475	5.265	ng	92
25) Isophorone	7.61	82	93010	4.920	ng	# 93
26) 2-Nitrophenol	7.69	139	23272	4.331	ng	98
27) 2,4-Dimethylphenol	7.73	122	24952	3.154	ng	99
28) bis(2-Chloroethoxy)methane	7.83	93	57379	5.236	ng	98
29) 2,4-Dichlorophenol	7.93	162	37984	4.723	ng	96
30) 1,2,4-Trichlorobenzene	8.02	180	44362	4.978	ng	98
31) Naphthalene	8.10	128	144920	5.440	ng	100
32) Benzoic acid	7.79	122	9637	1.588	ng	97
33) 4-Chloroaniline	8.15	127	58126	4.754	ng	96
34) Hexachlorobutadiene	8.22	225	26230	5.049	ng	99
35) Caprolactam	8.47	113	12526	4.870	ng	# 79
36) 4-Chloro-3-methylphenol	8.63	107	40648	5.059	ng	97
37) 2-Methylnaphthalene	8.79	142	99753	5.736	ng	99
38) 1-Methylnaphthalene	8.89	142	94278	5.762	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	47545	5.398	ng	99

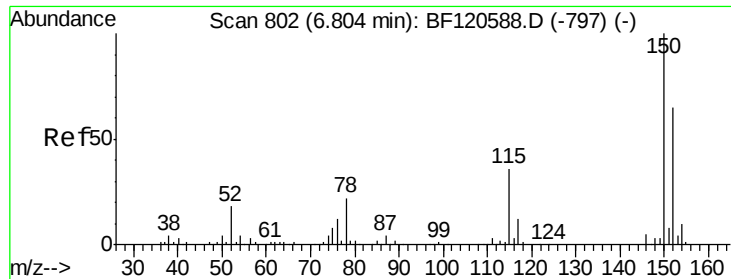
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061220\
 Data File : BF120614.D
 Acq On : 12 Jun 2020 16:53
 Operator : JU/CG
 Sample : L2182-01
 Misc : LOD-MDL-SOIL-5PPM
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Quant Time: Jun 12 17:39:31 2020
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 16:54:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	15079	3.055	ng	99
43) 2,4,6-Trichlorophenol	9.07	196	27429	4.390	ng	95
44) 2,4,5-Trichlorophenol	9.11	196	27598	3.894	ng	95
46) 1,1'-Biphenyl	9.25	154	128998	5.857	ng	97
47) 2-Chloronaphthalene	9.28	162	91489	5.080	ng	97
48) 2-Nitroaniline	9.37	65	24416	4.316	ng	90
49) Acenaphthylene	9.69	152	148040	5.326	ng	98
50) Dimethylphthalate	9.55	163	103382	4.867	ng	99
51) 2,6-Dinitrotoluene	9.61	165	21116	4.386	ng	98
52) Acenaphthene	9.86	154	88913	5.363	ng	98
53) 3-Nitroaniline	9.77	138	23105	3.996	ng	91
54) 2,4-Dinitrophenol	9.89	184	4298	1.665	ng	# 75
55) Dibenzofuran	10.03	168	135838	5.344	ng	97
56) 4-Nitrophenol	9.94	139	14764	3.390	ng	89
57) 2,4-Dinitrotoluene	10.02	165	26461	4.142	ng	98
58) Fluorene	10.37	166	104194	5.317	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.15	232	23240	4.168	ng	95
60) Diethylphthalate	10.25	149	104368	4.988	ng	99
61) 4-Chlorophenyl-phenylether	10.37	204	52198	5.158	ng	99
62) 4-Nitroaniline	10.39	138	23531	4.099	ng	99
63) Azobenzene	10.53	77	101044	5.320	ng	99
65) 4,6-Dinitro-2-methylphenol	10.42	198	9406	2.868	ng	99
66) n-Nitrosodiphenylamine	10.49	169	90550	5.394	ng	99
67) 4-Bromophenyl-phenylether	10.86	248	29982	4.833	ng	97
68) Hexachlorobenzene	10.93	284	34208	5.128	ng	95
69) Atrazine	11.01	200	28767	5.538	ng	100
70) Pentachlorophenol	11.12	266	9618	2.594	ng	97
71) Phenanthrene	11.34	178	150130	5.525	ng	98
72) Anthracene	11.39	178	148999	5.440	ng	98
73) Carbazole	11.55	167	134847	4.973	ng	99
74) Di-n-butylphthalate	11.87	149	158045	5.185	ng	98
75) Fluoranthene	12.52	202	164434	5.293	ng	98
77) Benzidine	12.65	184	83013	5.431	ng	# 95
78) Pyrene	12.75	202	166248	5.193	ng	99
80) Butylbenzylphthalate	13.37	149	64648	4.548	ng	99
81) Benzo(a)anthracene	13.94	228	154902	5.705	ng	97
82) 3,3'-Dichlorobenzidine	13.90	252	58347	5.626	ng	100
83) Chrysene	13.97	228	155276	5.575	ng	97
84) Bis(2-ethylhexyl)phthalate	13.93	149	93461	5.387	ng	99
85) Di-n-octyl phthalate	14.54	149	156746	4.734	ng	98
87) Indeno(1,2,3-cd)pyrene	16.79	276	168318	5.446	ng	99
88) Benzo(b)fluoranthene	14.97	252	154918	5.119	ng	99
89) Benzo(k)fluoranthene	15.00	252	144108	5.381	ng	98
90) Benzo(a)pyrene	15.32	252	130197	4.807	ng	98
91) Dibenzo(a,h)anthracene	16.81	278	139210	5.617	ng	98
92) Benzo(g,h,i)perylene	17.22	276	143814	5.757	ng	97

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

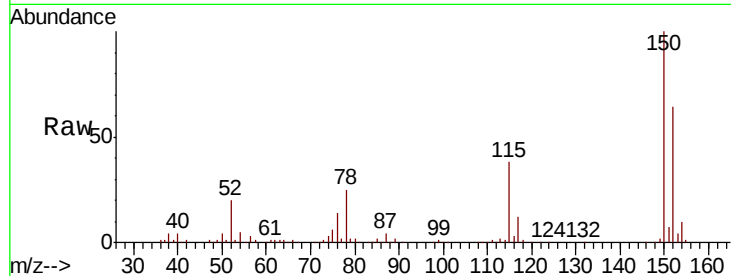


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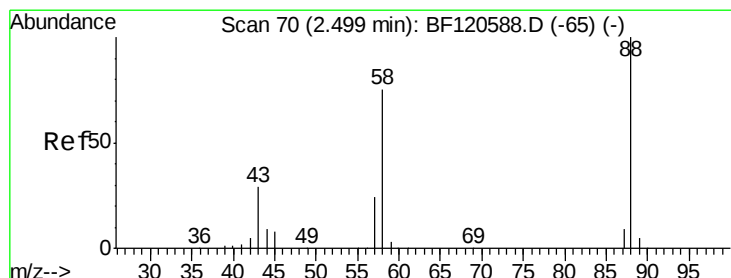
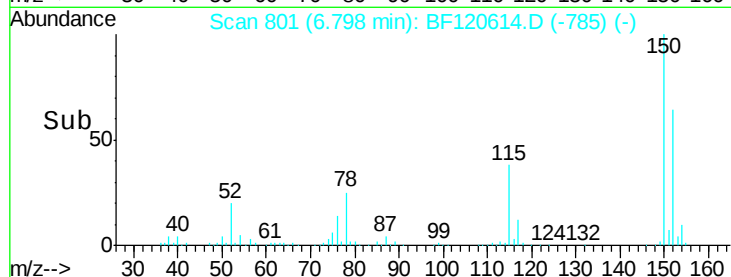
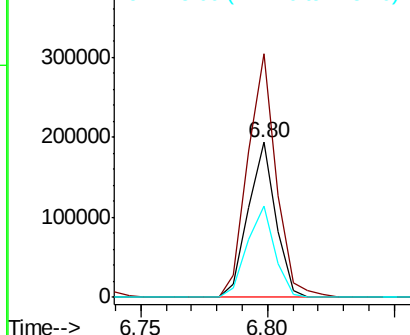
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

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

Tot Ion:152 Resp: 146504
Ion Ratio Lower Upper
152 100
150 156.8 123.2 184.8
115 58.9 43.9 65.9



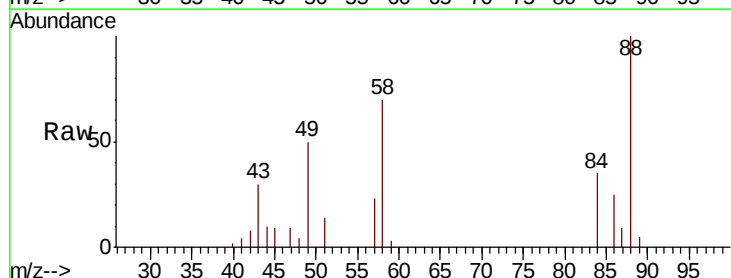
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



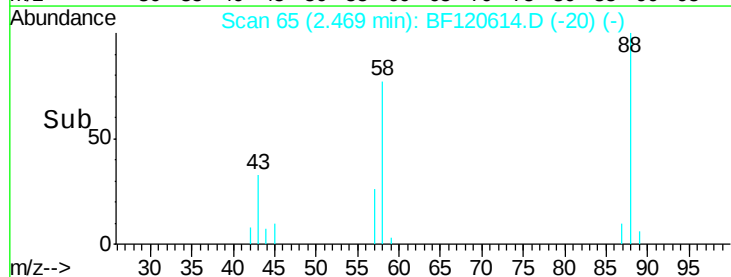
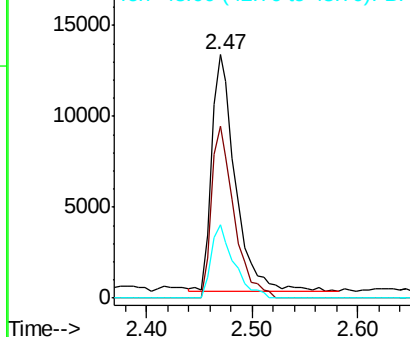
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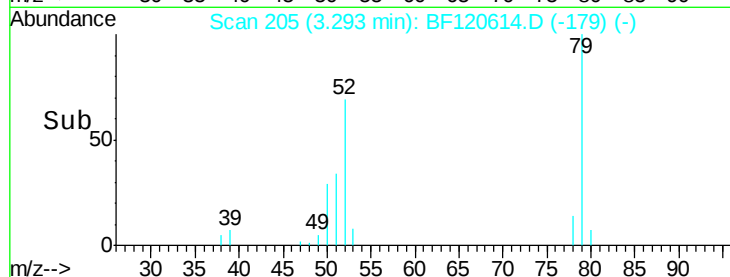
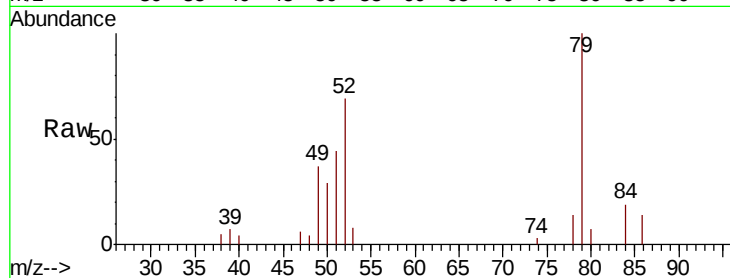
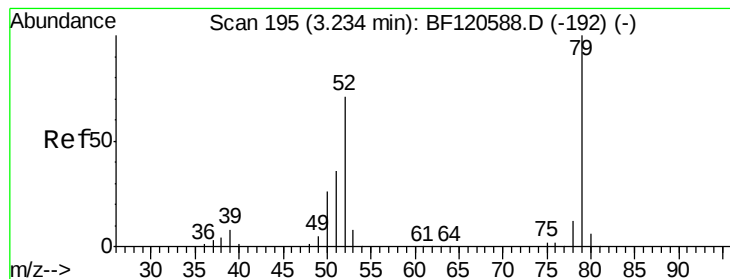
1,4-Dioxane
Concen: 5.040 ng
RT: 2.47 min Scan# 65
Delta R.T. -0.04 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion: 88 Resp: 20411
Ion Ratio Lower Upper
88 100
58 69.5 59.6 89.4
43 29.9 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: 2.882 ng

RT: 3.29 min Scan# 205

Delta R.T. 0.05 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

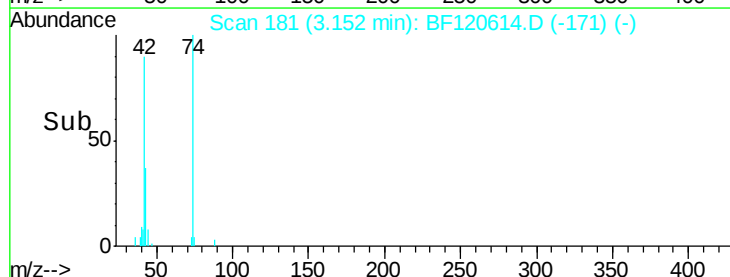
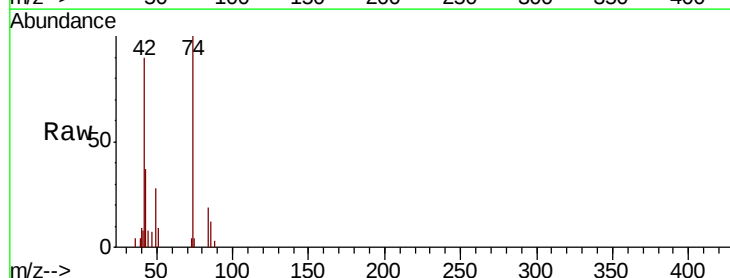
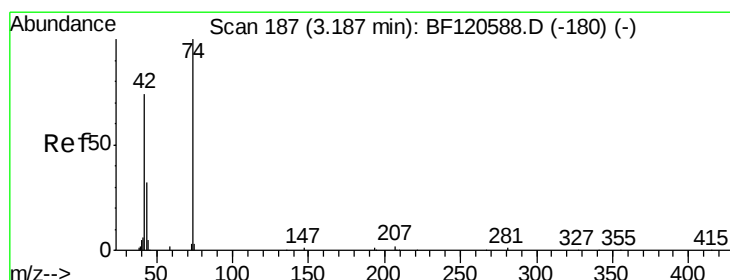
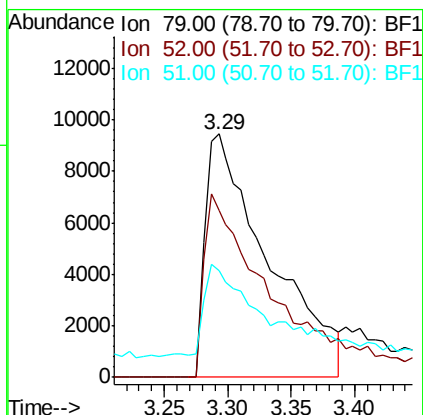
Tot Ion: 79 Resp: 32815

Ion Ratio Lower Upper

79 100

52 68.6 57.0 85.6

51 43.6 28.5 42.7#



#4

n-Nitrosodimethylamine

Concen: 4.809 ng

RT: 3.15 min Scan# 181

Delta R.T. -0.04 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

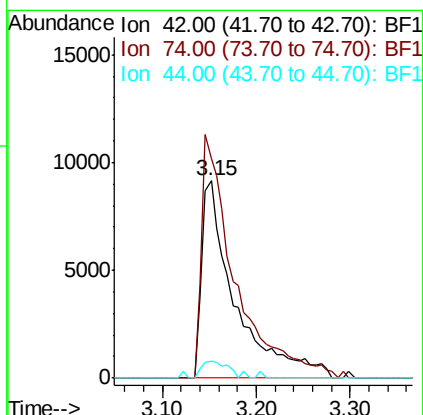
Tgt Ion: 42 Resp: 22720

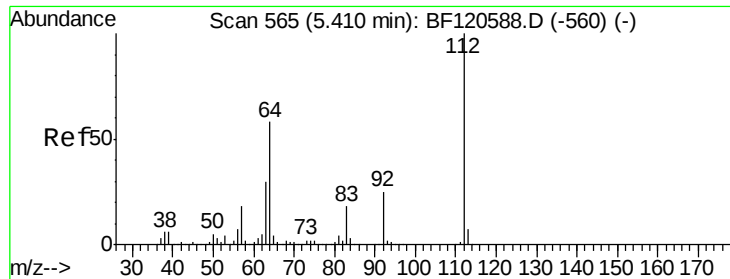
Ion Ratio Lower Upper

42 100

74 111.1 107.8 161.6

44 8.7 5.1 7.7#





#5

2-Fluorophenol

Concen: 142.342 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

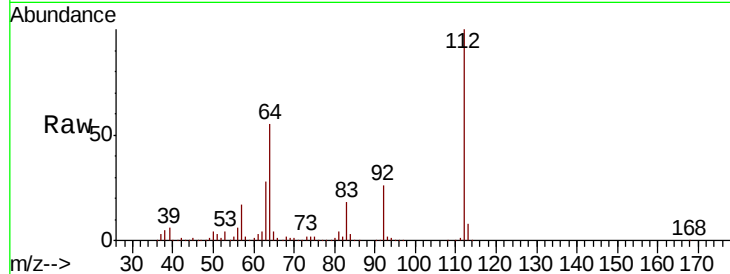
Tot Ion:112 Resp: 1216346

Ion Ratio Lower Upper

112 100

64 55.3 46.1 69.1

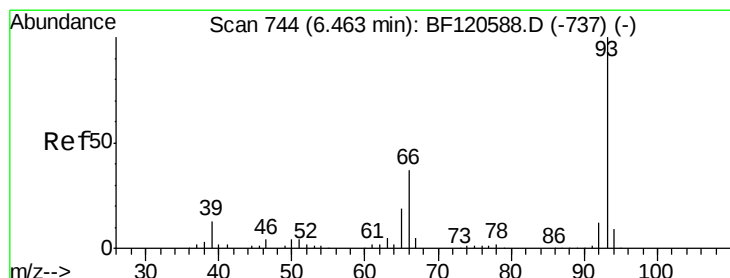
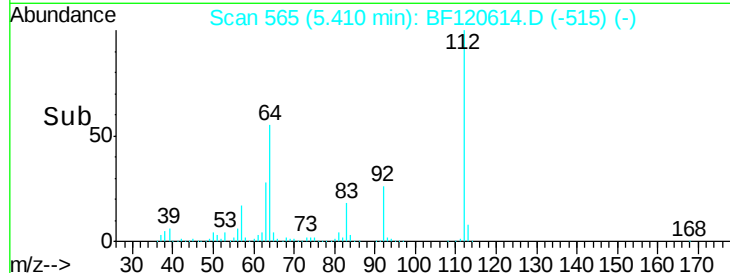
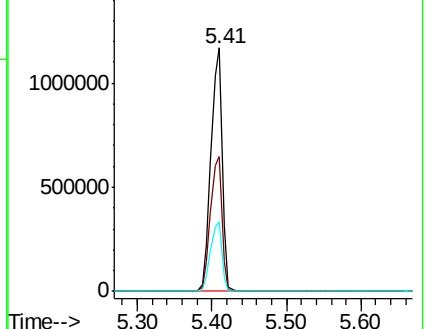
63 28.4 23.7 35.5



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: 5.339 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

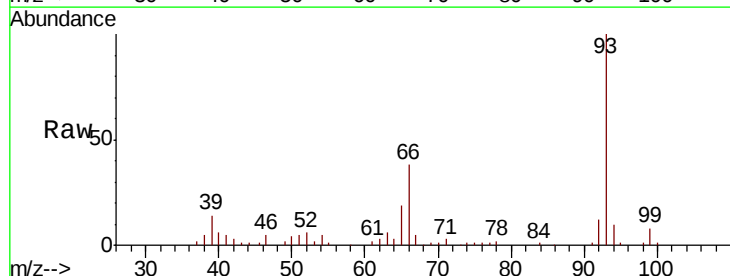
Tgt Ion: 93 Resp: 72722

Ion Ratio Lower Upper

93 100

66 37.6 30.9 46.3

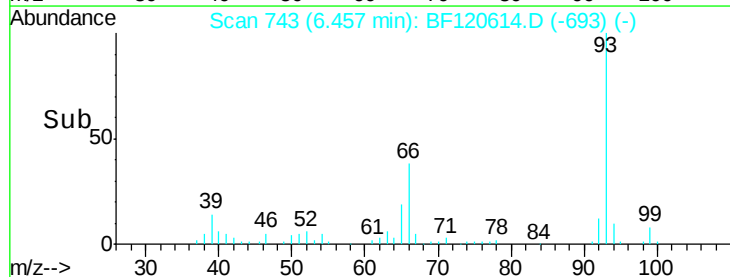
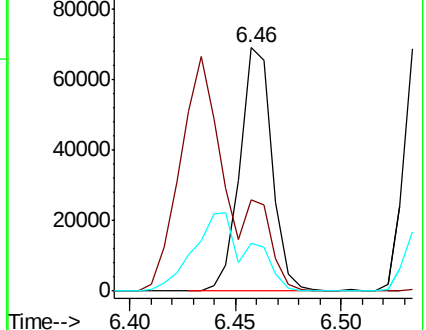
65 19.4 15.9 23.9

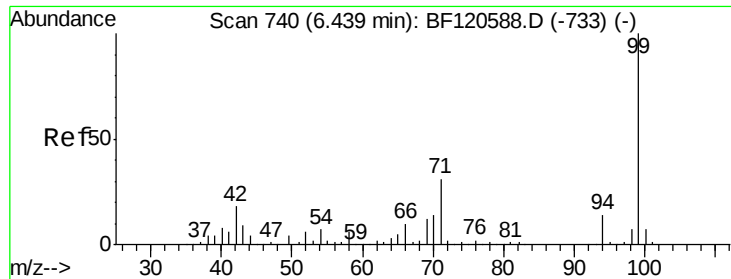


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 142.721 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

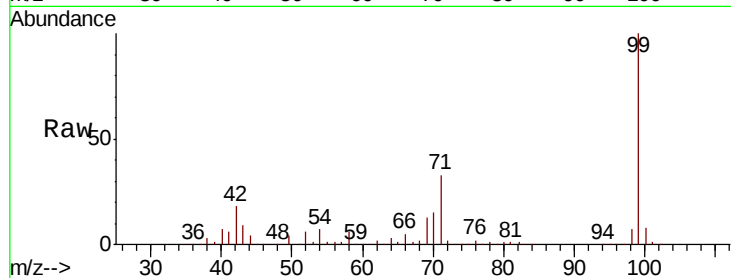
Tot Ion: 99 Resp: 1518992

Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.0	21.0
71	32.7	24.9	37.3

99 100

42 18.4 14.0 21.0

71 32.7 24.9 37.3

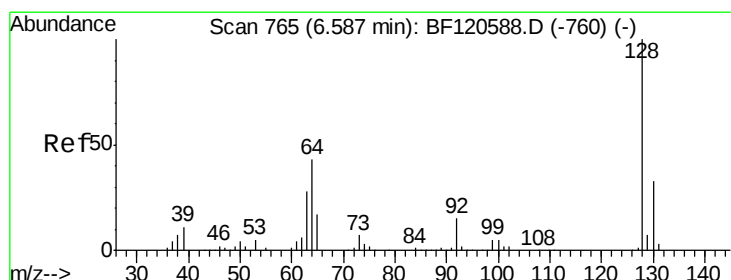
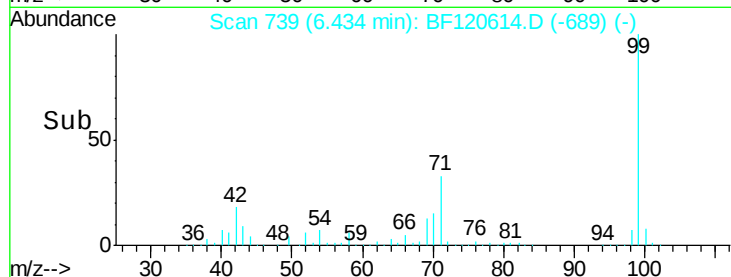
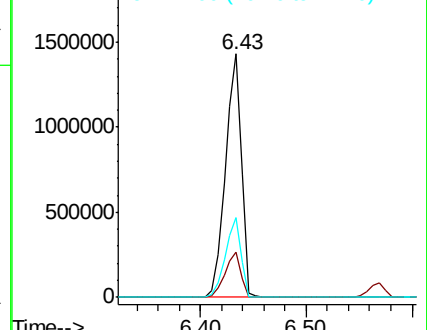


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 4.911 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

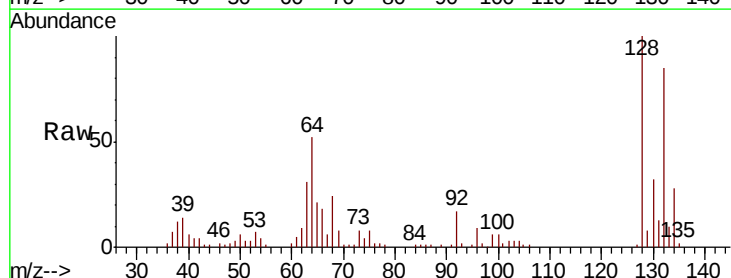
Tgt Ion: 128 Resp: 47422

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.6	52.6
64	52.0	24.3	64.3

128 100

130 32.4 12.6 52.6

64 52.0 24.3 64.3

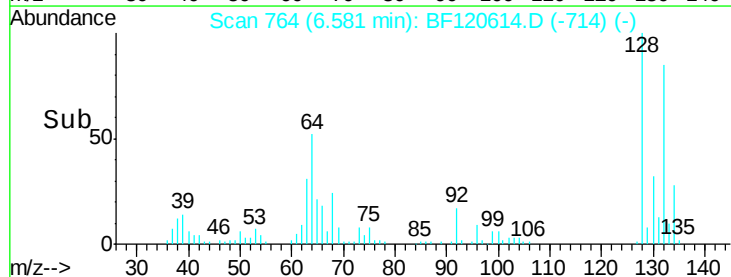
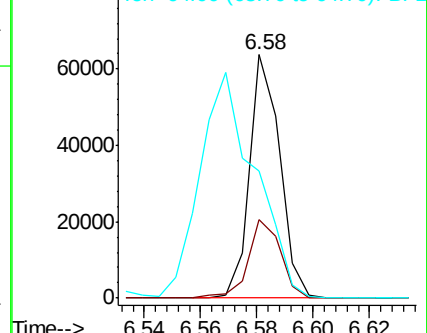


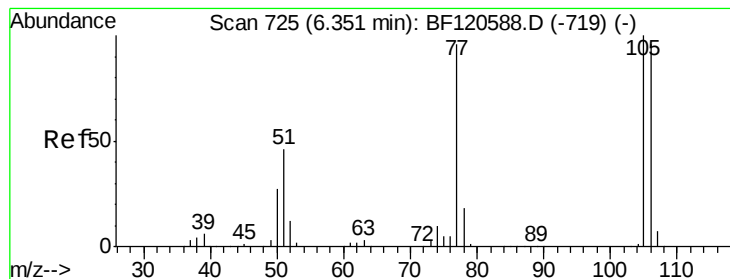
Abundance

Ion 128.00 (127.70 to 128.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 6.085 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

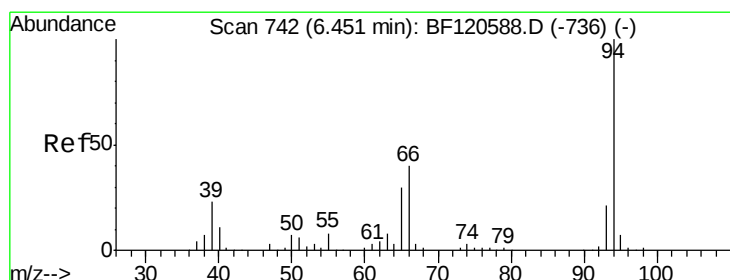
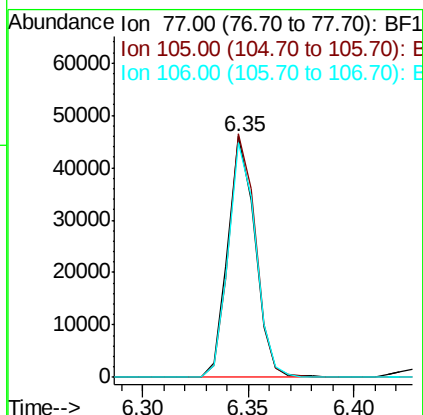
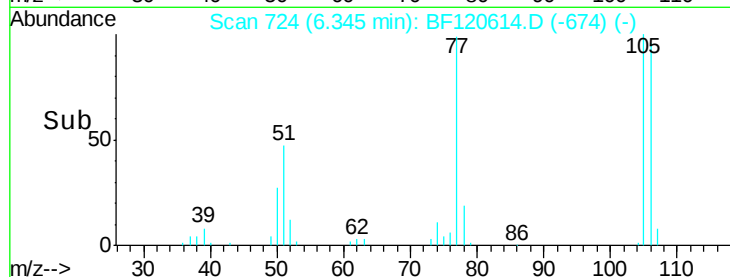
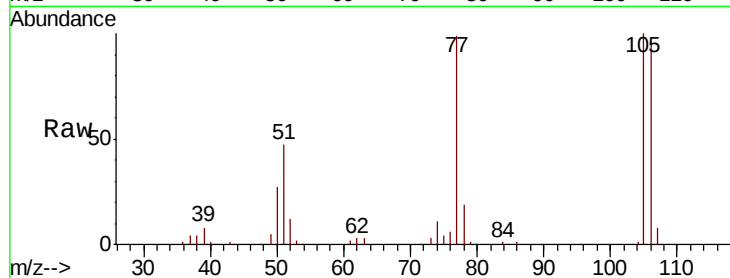
Tot Ion: 77 Resp: 40964

Ion Ratio Lower Upper

77 100

105 101.2 83.8 123.8

106 97.3 79.3 119.3



#10

Phenol

Concen: 5.387 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

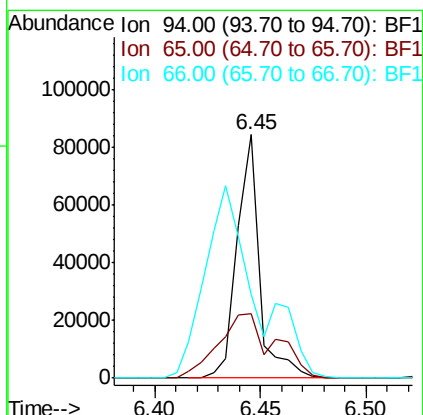
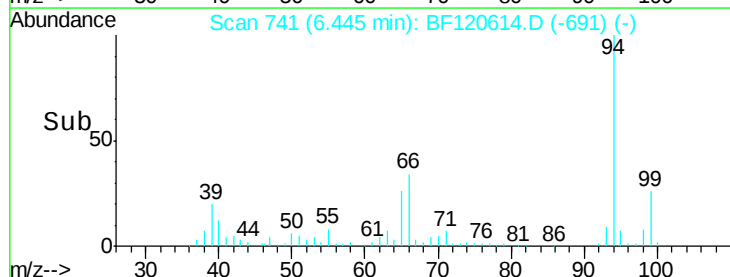
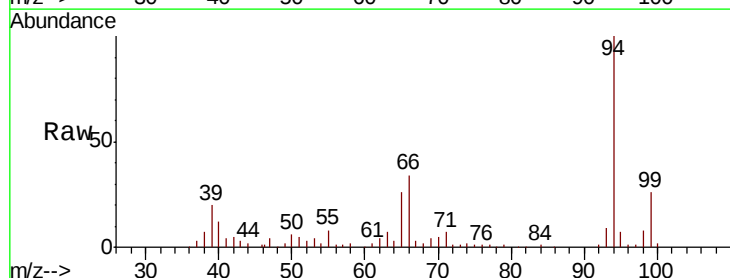
Tgt Ion: 94 Resp: 61177

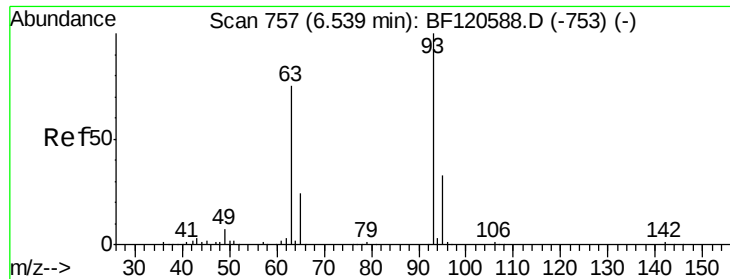
Ion Ratio Lower Upper

94 100

65 26.4 9.9 49.9

66 34.5 20.1 60.1

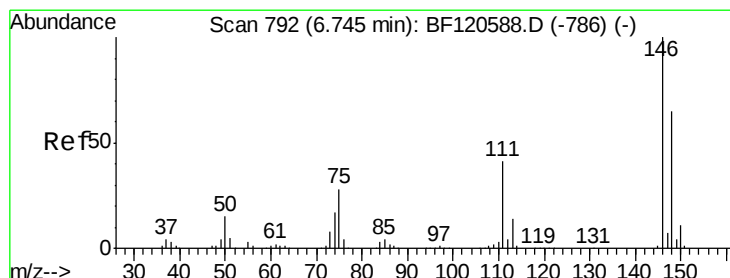
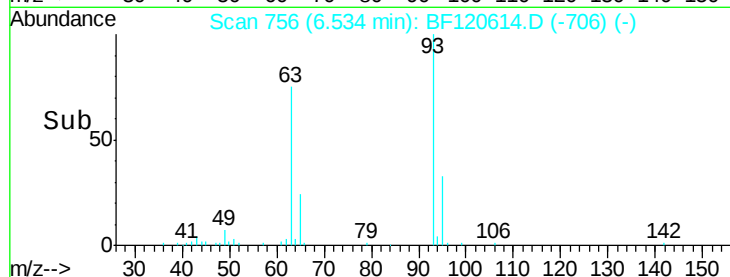
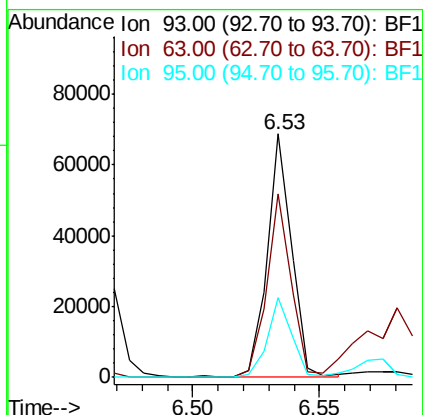
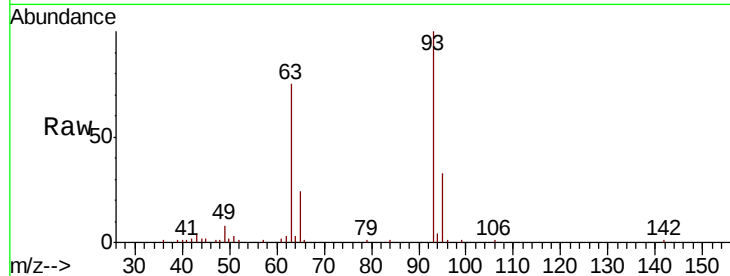




#11
 bis(2-Chloroethyl)ether
 Concen: 4.924 ng
 RT: 6.53 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

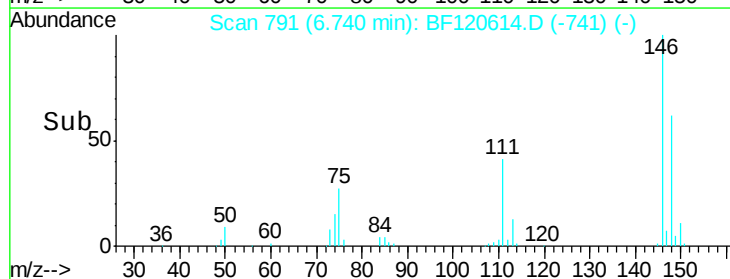
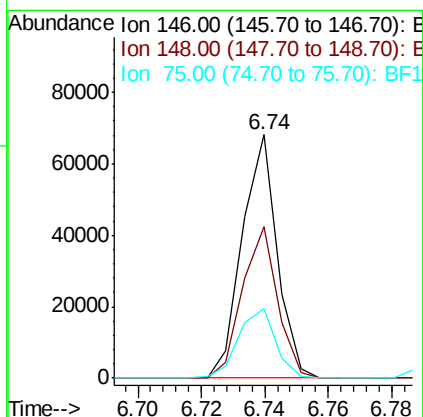
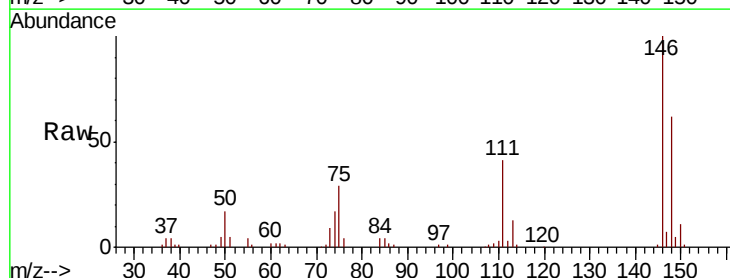
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

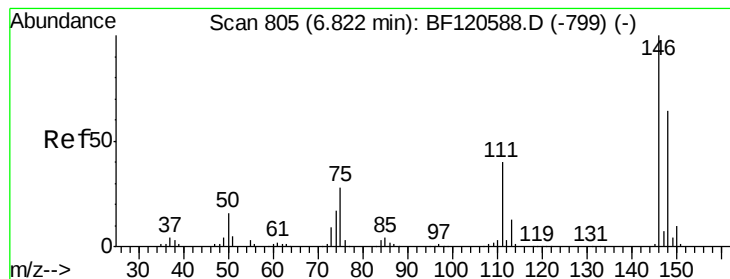
Tot Ion: 93 Resp: 46574
 Ion Ratio Lower Upper
 93 100
 63 75.5 54.4 94.4
 95 32.9 12.9 52.9



#12
 1,3-Dichlorobenzene
 Concen: 5.053 ng
 RT: 6.74 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion: 146 Resp: 51878
 Ion Ratio Lower Upper
 146 100
 148 62.3 51.8 77.6
 75 28.7 22.2 33.4





#13

1,4-Dichlorobenzene

Concen: 5.342 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

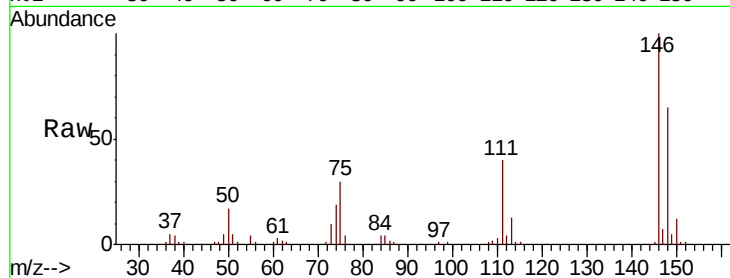
Tot Ion:146 Resp: 54111

Ion Ratio Lower Upper

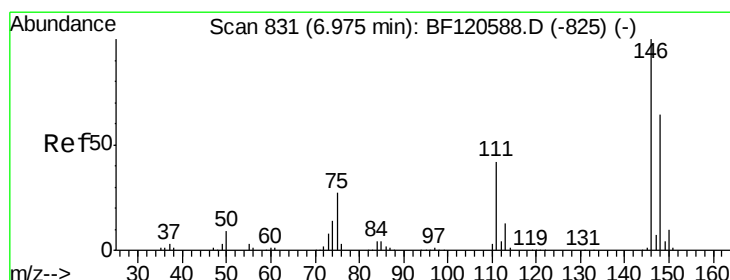
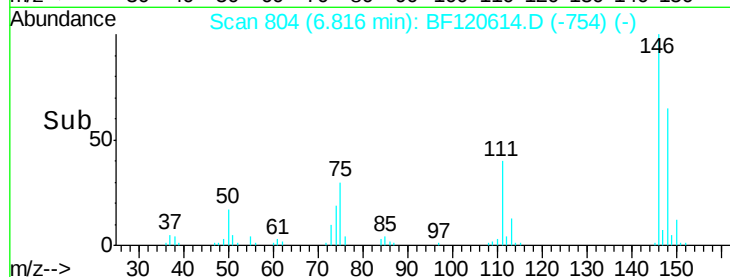
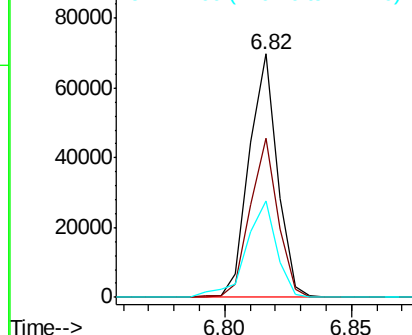
146 100

148 65.2 51.5 77.3

111 39.7 32.2 48.4



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



#14

1,2-Dichlorobenzene

Concen: 4.998 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

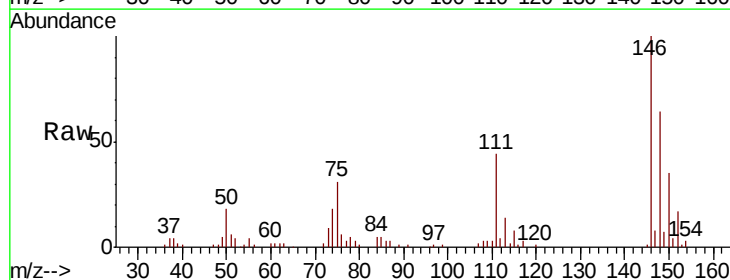
Tgt Ion:146 Resp: 49312

Ion Ratio Lower Upper

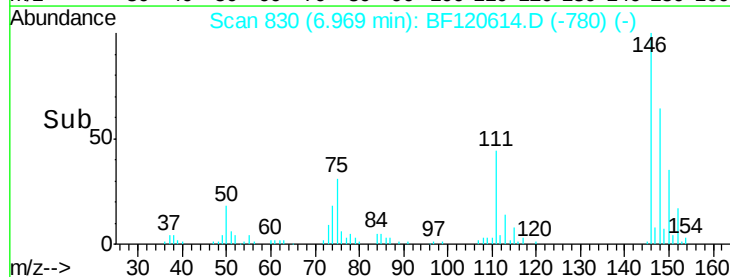
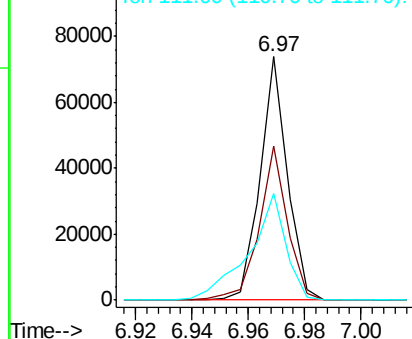
146 100

148 63.5 50.8 76.2

111 43.9 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

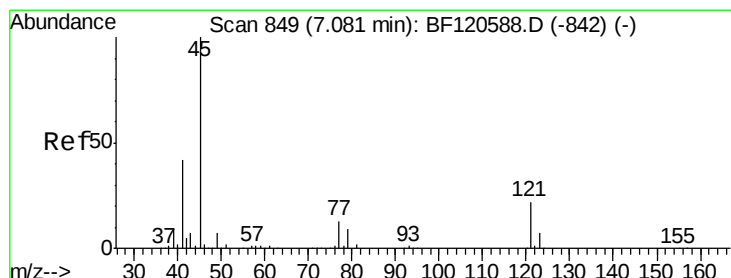
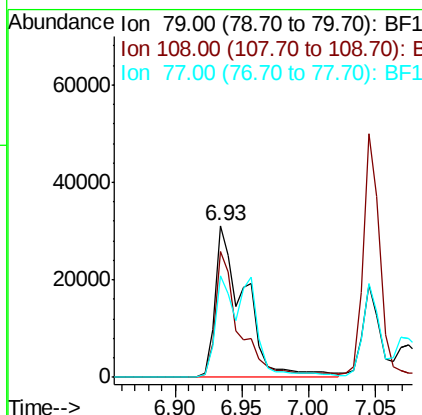
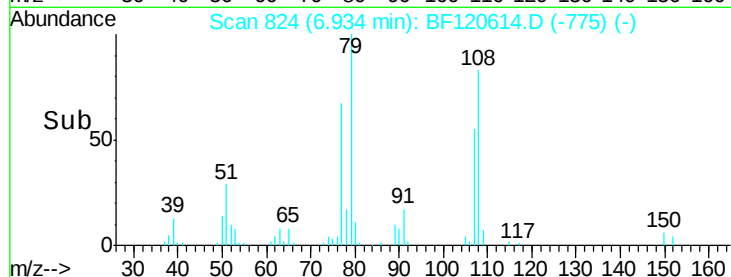
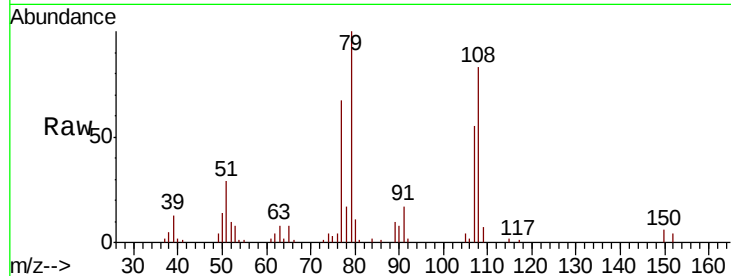




#15
Benzyl Alcohol
Concen: 6.468 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

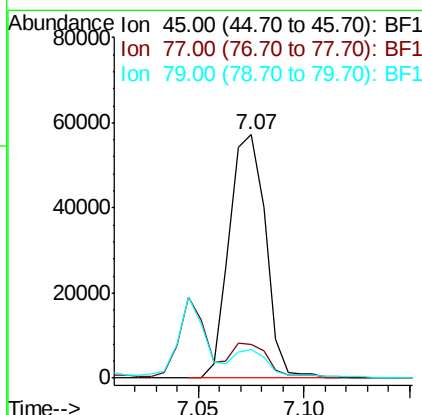
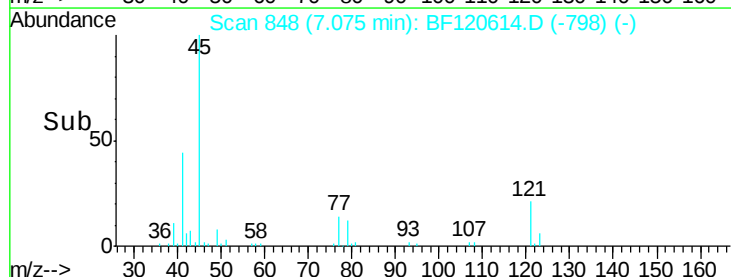
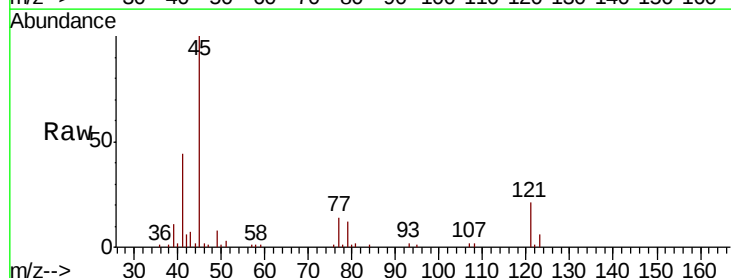
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

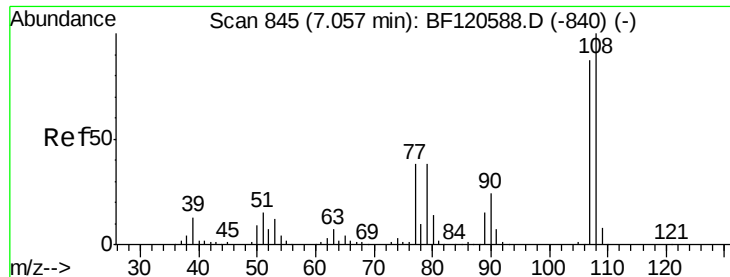
Tot Ion: 79 Resp: 48822
Ion Ratio Lower Upper
79 100
108 82.6 66.8 100.2
77 66.6 50.6 76.0



#16
2,2'-oxybis(1-chloropropane)
Concen: 4.994 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion: 45 Resp: 68012
Ion Ratio Lower Upper
45 100
77 13.9 0.0 34.2
79 11.6 0.0 30.9





#17

2-Methylphenol

Concen: 4.753 ng

RT: 7.05 min Scan# 843

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:107 Resp: 39147

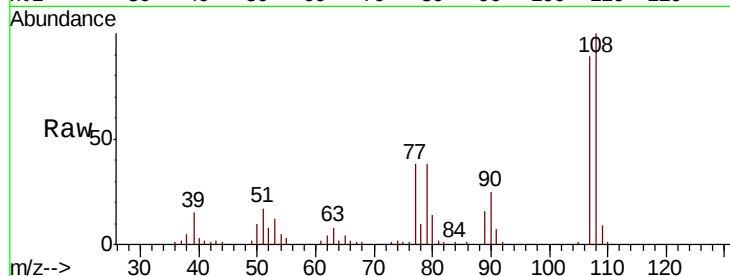
Ion Ratio Lower Upper

107 100

108 111.9 91.9 137.9

77 43.0 35.4 53.2

79 42.7 34.8 52.2

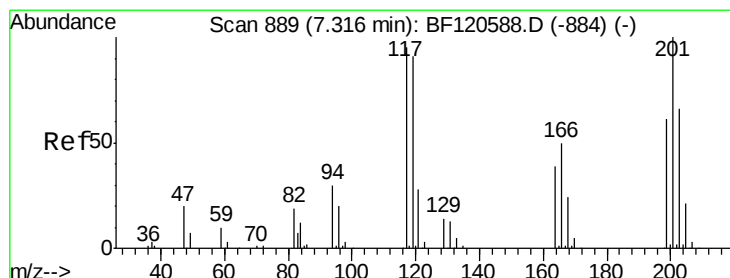
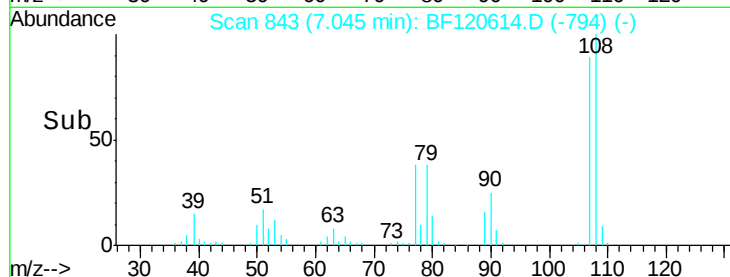
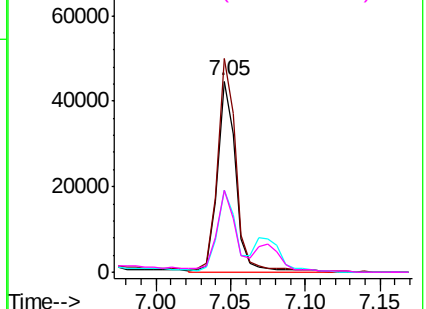


Abundance Ion 107.00 (106.70 to 107.70): E

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: 5.255 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

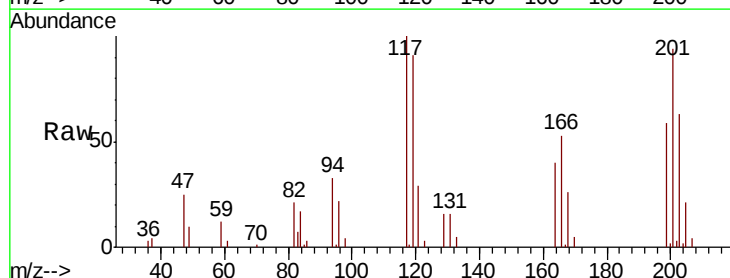
Tgt Ion:117 Resp: 19612

Ion Ratio Lower Upper

117 100

119 91.3 76.9 115.3

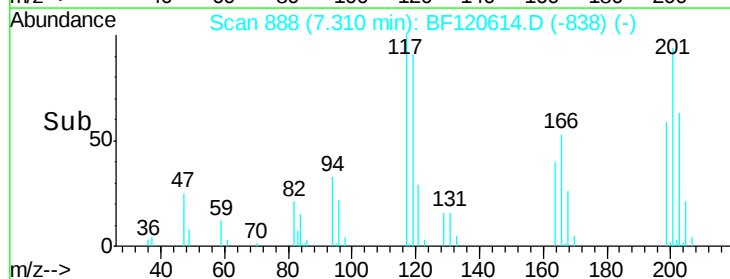
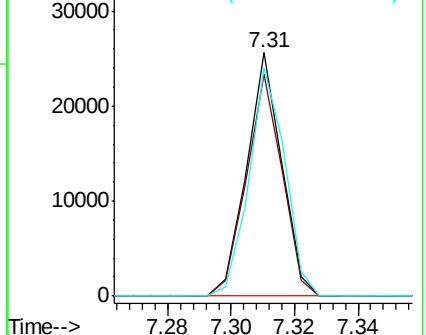
201 93.7 84.6 127.0

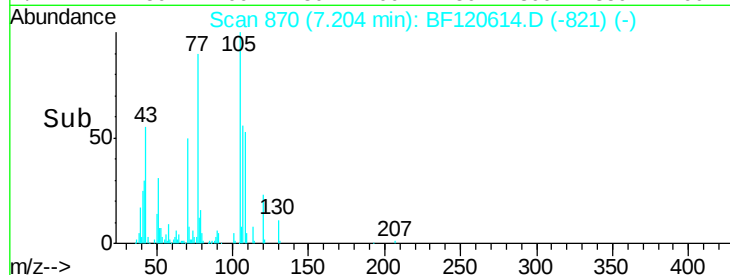
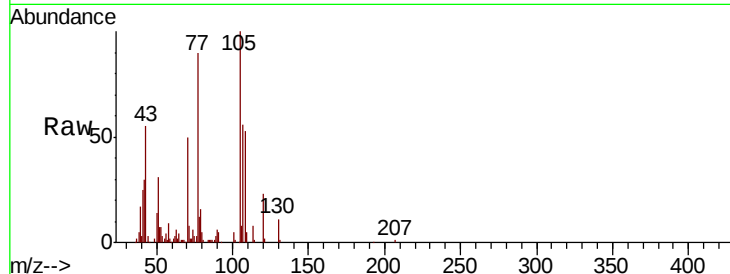
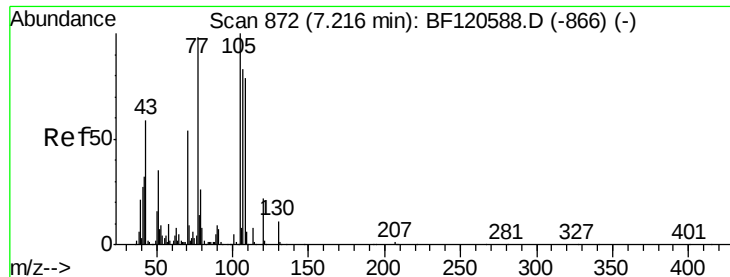


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

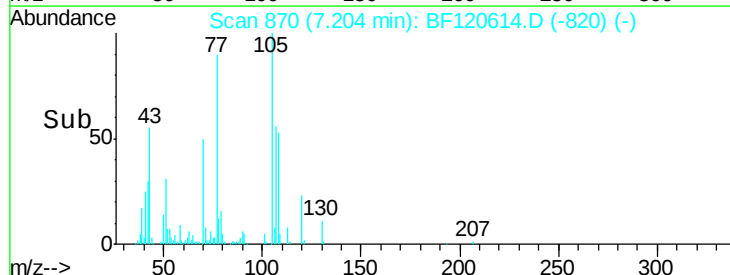
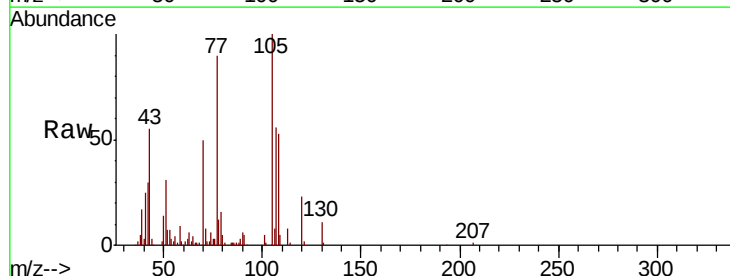
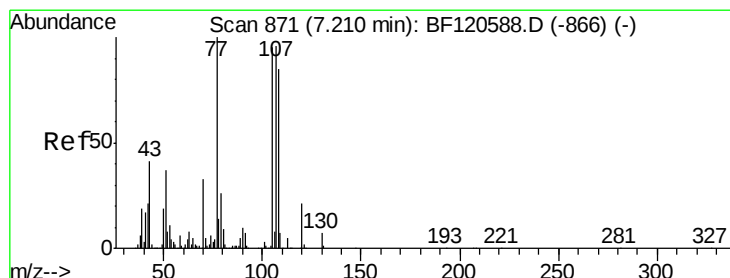
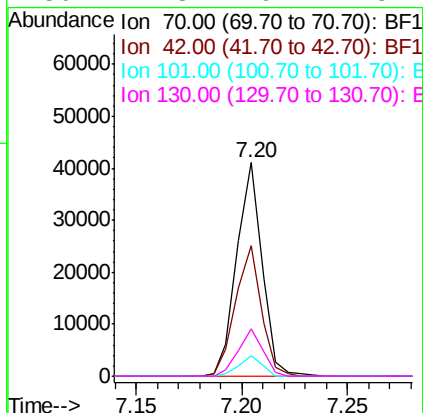




#19
n-Nitroso-di-n-propylamine
Concen: 5.549 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

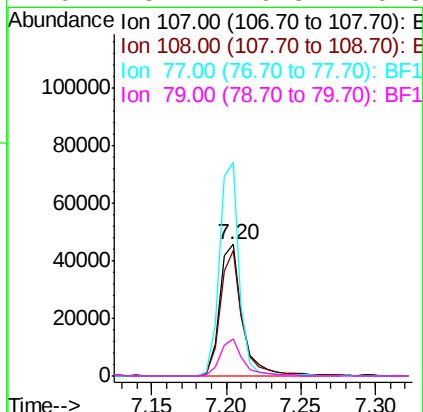
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	70	Resp:	34258
Ion	Ratio	Lower	Upper
70	100		
42	60.8	47.7	71.5
101	9.6	7.6	11.4
130	22.3	16.7	25.1



#20
3+4-Methylphenols
Concen: 4.825 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion:	107	Resp:	49652
Ion	Ratio	Lower	Upper
107	100		
108	95.1	68.7	108.7
77	162.5	84.2	124.2#
79	28.1	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: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:136 Resp: 542481

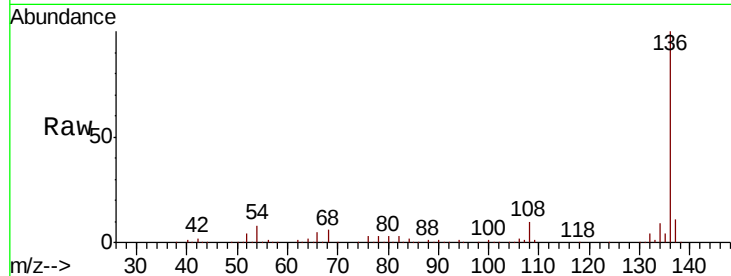
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 7.5 5.8 8.6

68 5.8 4.4 6.6

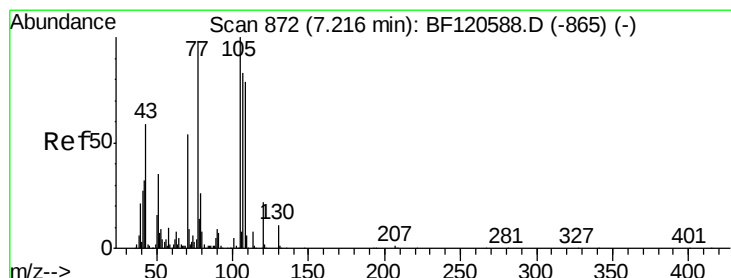
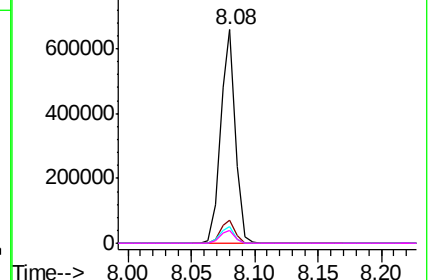
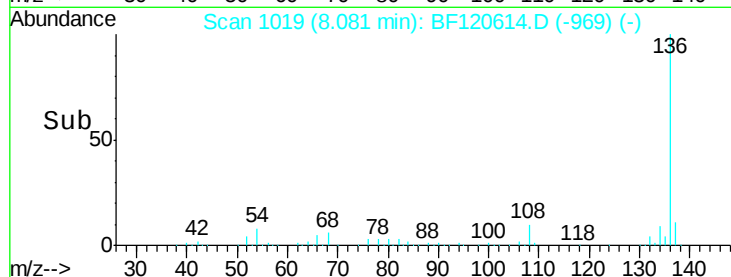


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.937 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Tgt Ion:105 Resp: 72002

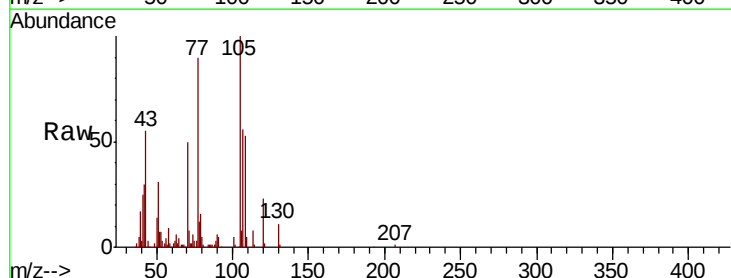
Ion Ratio Lower Upper

105 100

71 8.3 7.2 10.8

51 30.6 27.8 41.8

120 22.5 18.0 27.0

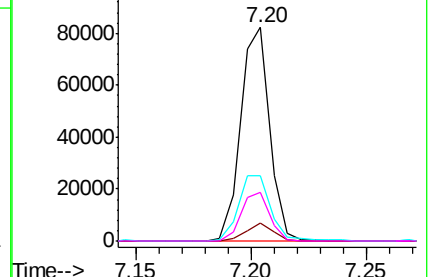
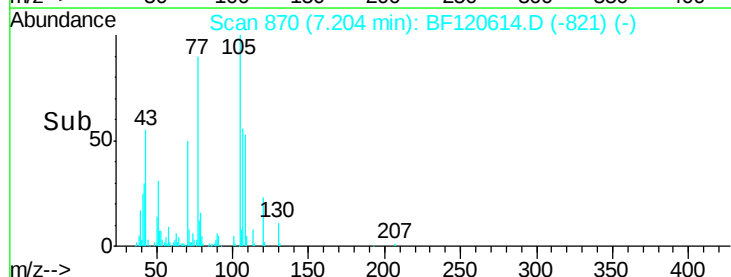


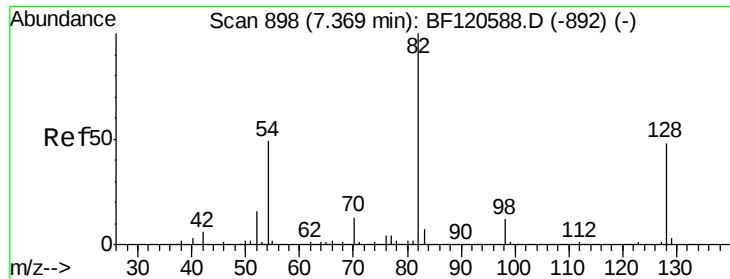
Abundance Ion 105.00 (104.70 to 105.70): E

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

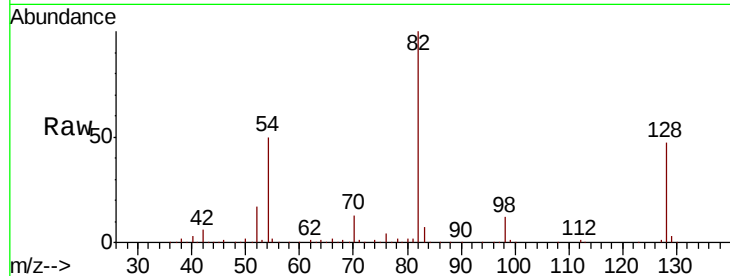




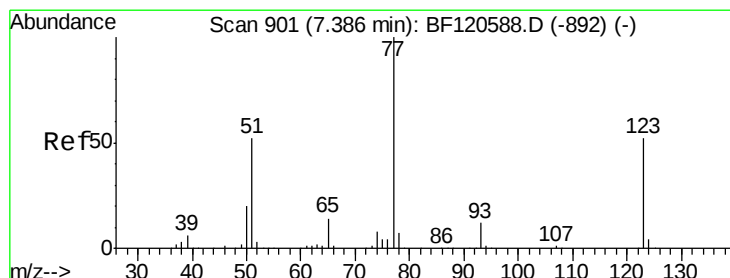
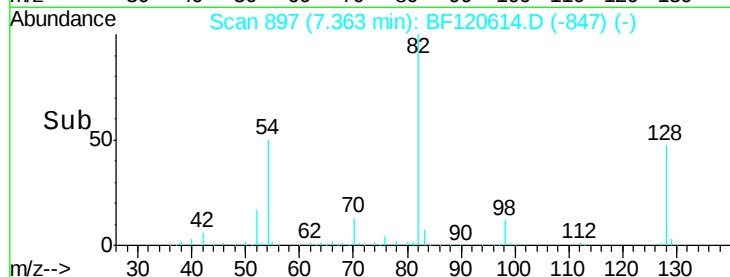
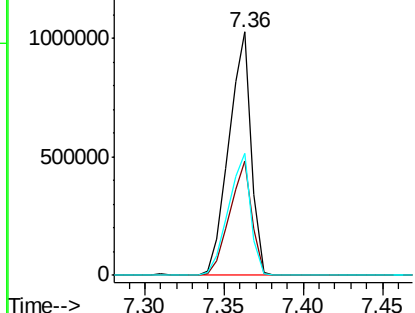
#23
Nitrobenzene-d5
Concen: 102.821 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

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

Tot Ion: 82 Resp: 997881
Ion Ratio Lower Upper
82 100
128 47.2 38.0 57.0
54 49.9 38.8 58.2

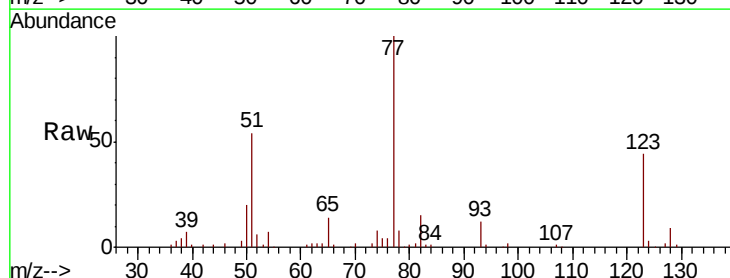


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

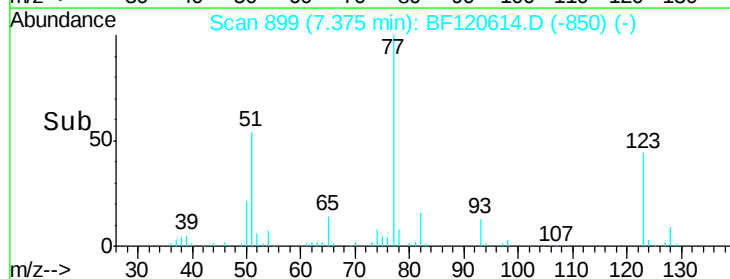
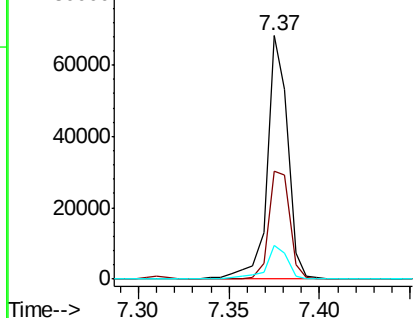


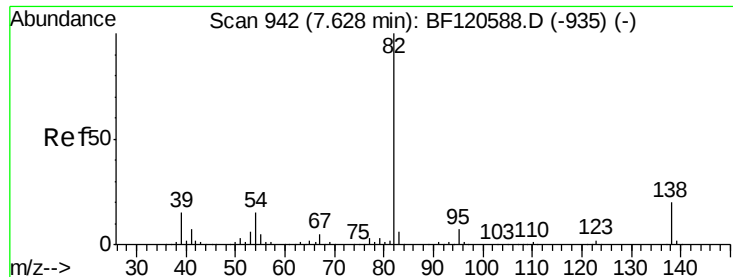
#24
Nitrobenzene
Concen: 5.265 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion: 77 Resp: 53475
Ion Ratio Lower Upper
77 100
123 44.5 41.4 62.0
65 14.0 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: 4.920 ng

RT: 7.61 min Scan# 939

Delta R.T. -0.02 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

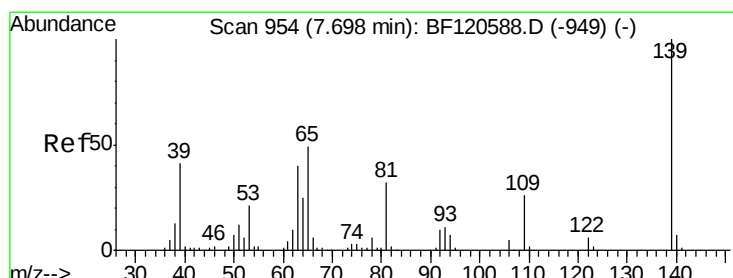
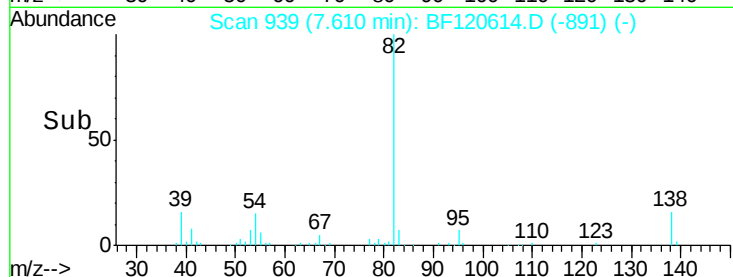
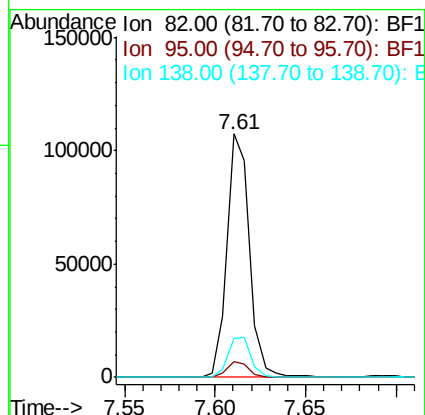
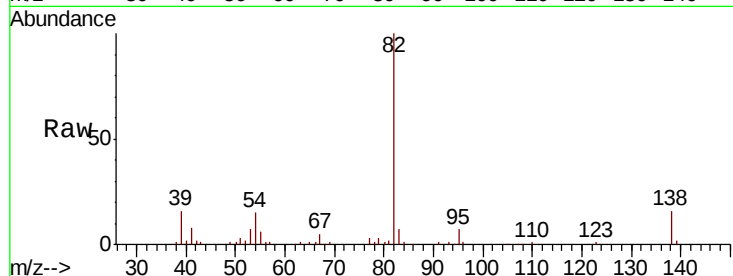
Tot Ion: 82 Resp: 93010

Ion Ratio Lower Upper

82 100

95 6.7 5.7 8.5

138 15.9 16.2 24.4#



#26

2-Nitrophenol

Concen: 4.331 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

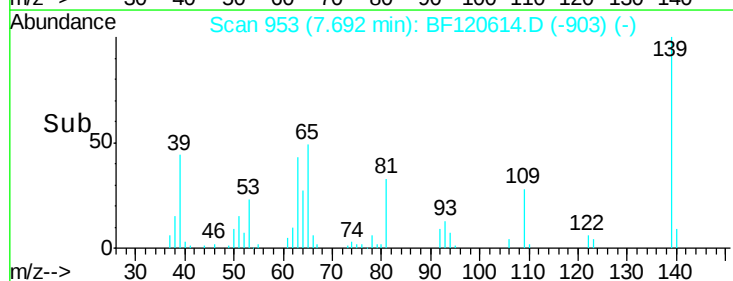
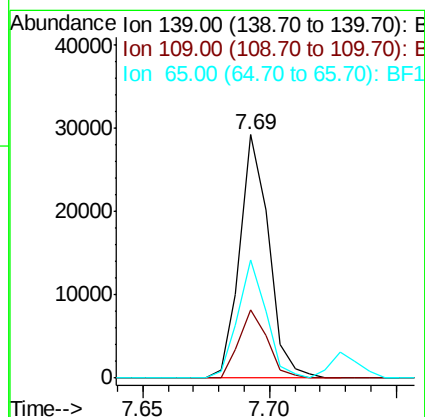
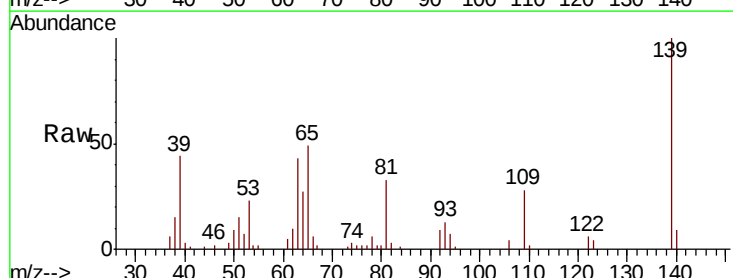
Tgt Ion: 139 Resp: 23272

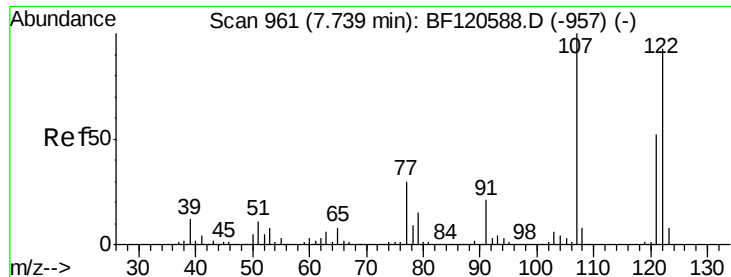
Ion Ratio Lower Upper

139 100

109 28.3 21.1 31.7

65 48.6 39.4 59.0

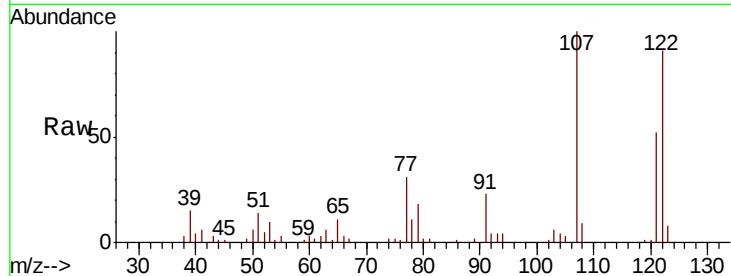




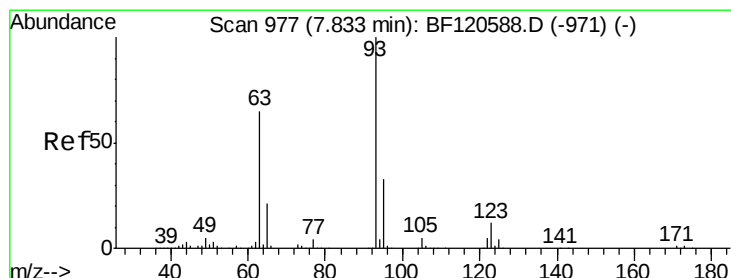
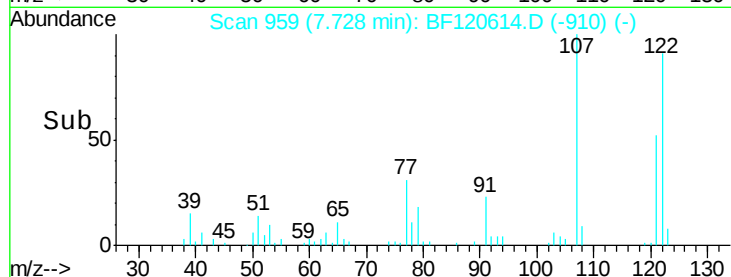
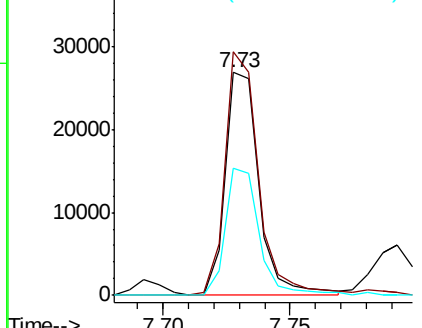
#27
 2,4-Dimethylphenol
 Concen: 3.154 ng
 RT: 7.73 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

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

Tot Ion:122 Resp: 24952
 Ion Ratio Lower Upper
 122 100
 107 109.4 86.4 129.6
 121 57.0 45.2 67.8

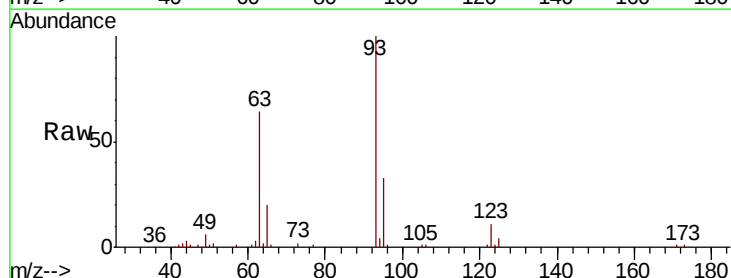


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

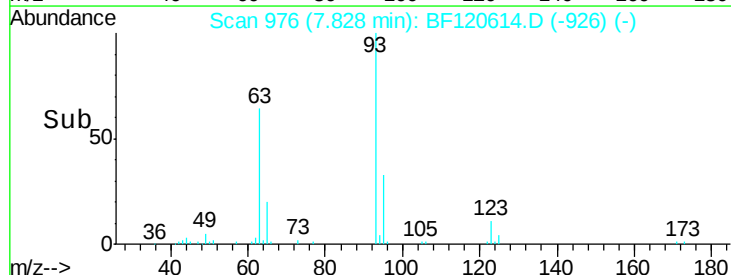
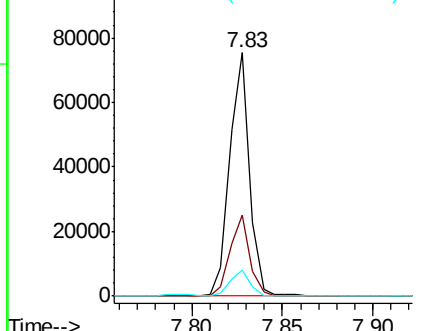


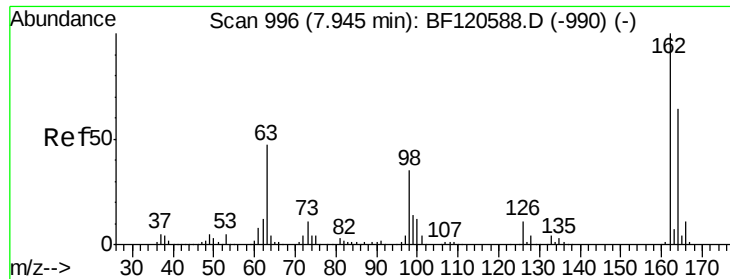
#28
 bis(2-Chloroethoxy)methane
 Concen: 5.236 ng
 RT: 7.83 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion: 93 Resp: 57379
 Ion Ratio Lower Upper
 93 100
 95 33.4 26.2 39.4
 123 10.5 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

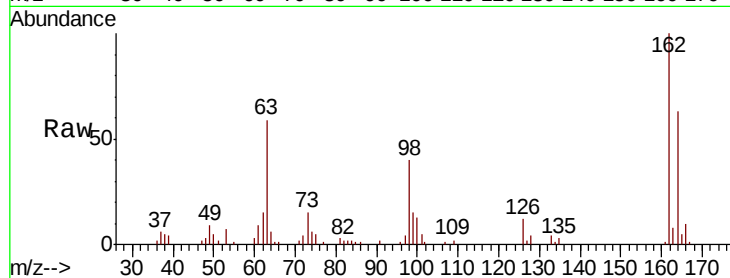




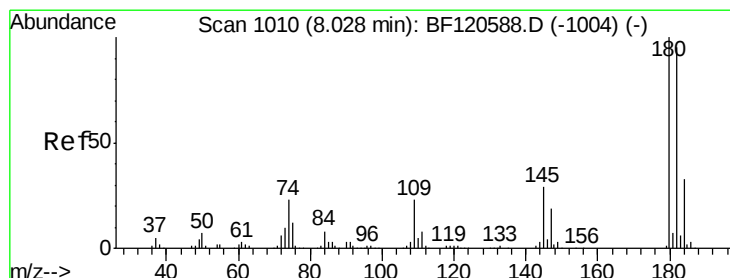
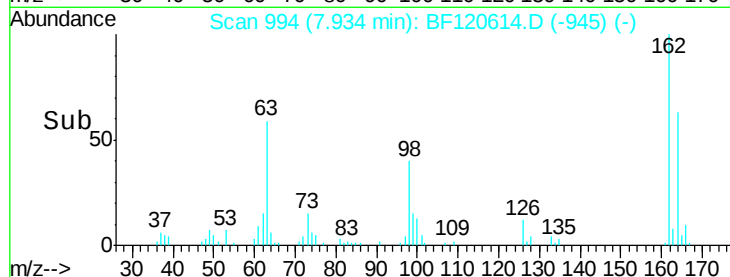
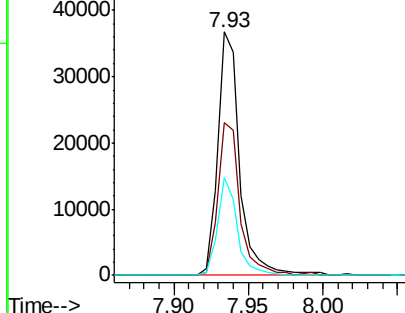
#29
 2,4-Dichlorophenol
 Concen: 4.723 ng
 RT: 7.93 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

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

Tot Ion	Ratio	Lower	Upper
162	100		
164	62.7	44.1	84.1
98	40.1	14.7	54.7

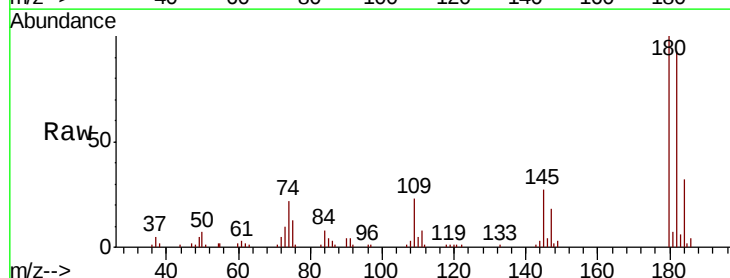


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

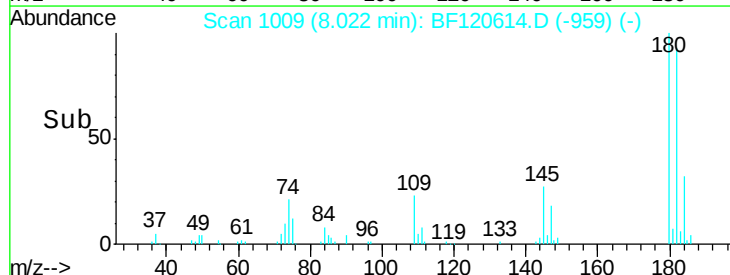
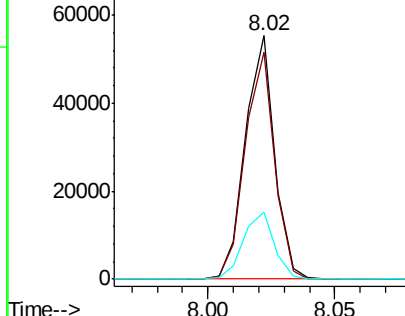


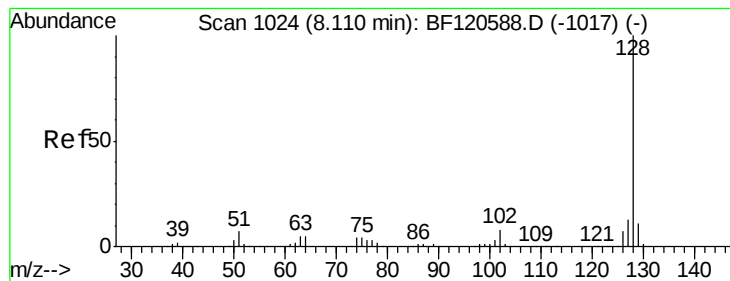
#30
 1,2,4-Trichlorobenzene
 Concen: 4.978 ng
 RT: 8.02 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	75.8	113.6
145	27.4	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: 5.440 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

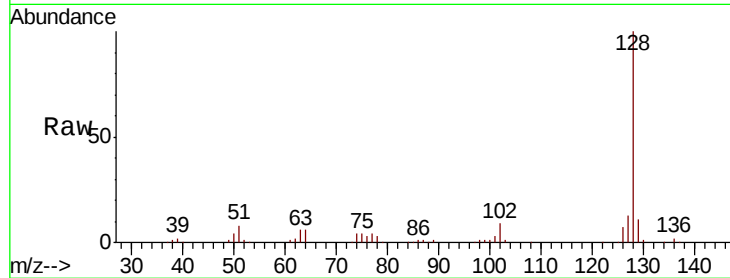
Tot Ion:128 Resp: 144920

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

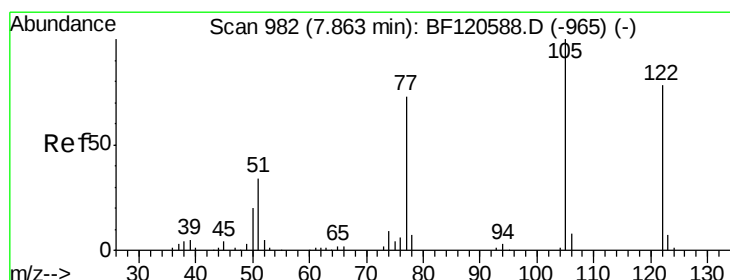
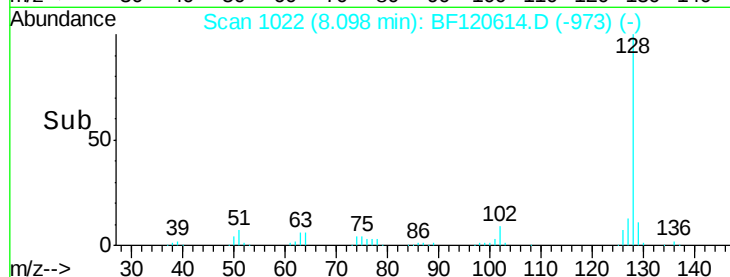
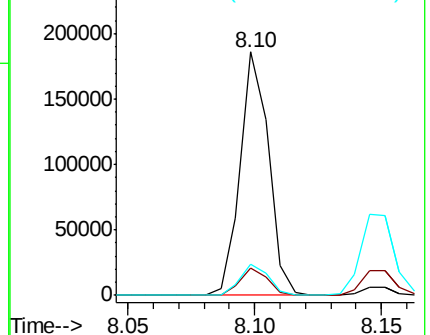
127 13.0 10.6 15.8



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: 1.588 ng

RT: 7.79 min Scan# 970

Delta R.T. -0.07 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

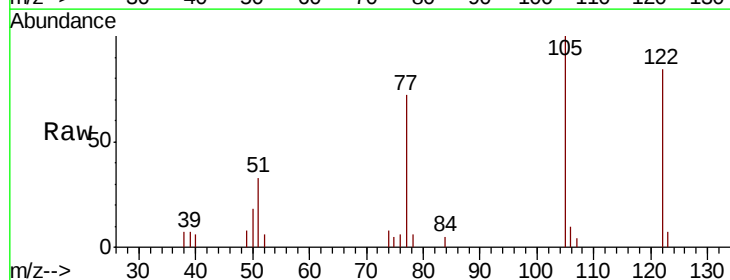
Tgt Ion:122 Resp: 9637

Ion Ratio Lower Upper

122 100

105 118.4 101.0 141.0

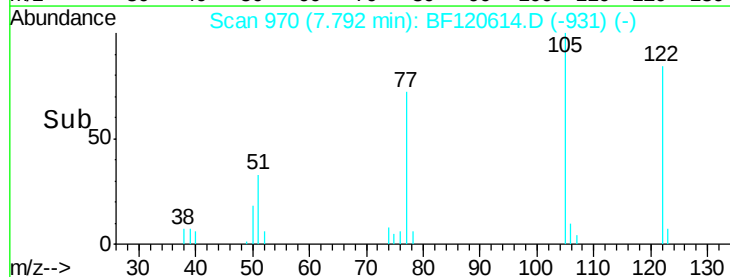
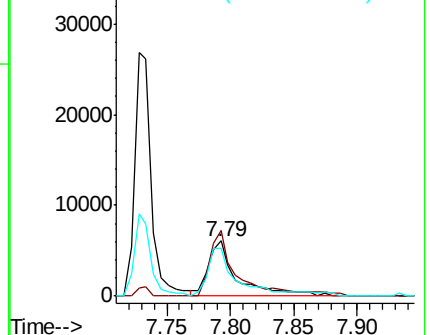
77 85.7 69.8 109.8



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

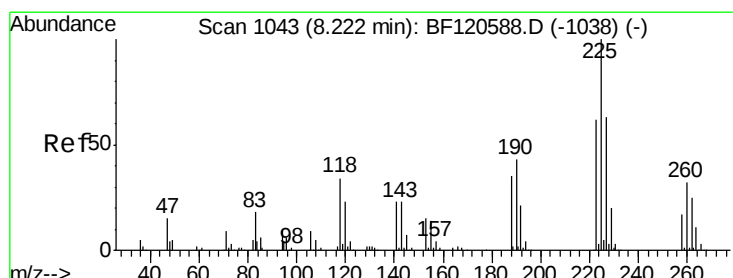
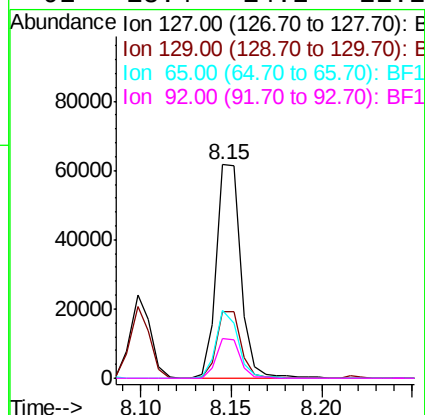
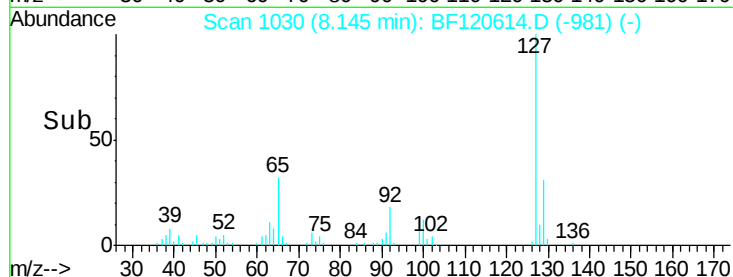
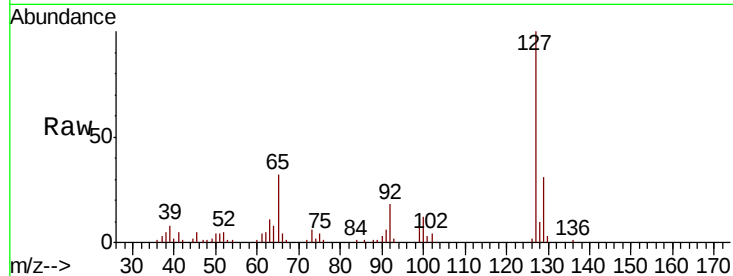




#33
4-Chloroaniline
Concen: 4.754 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

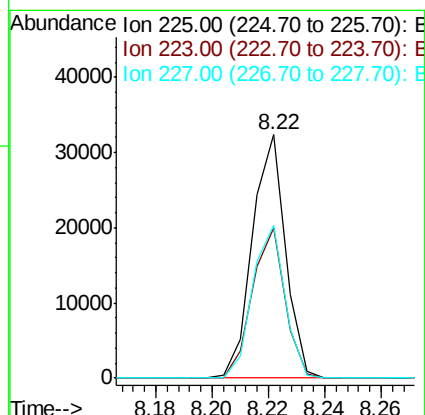
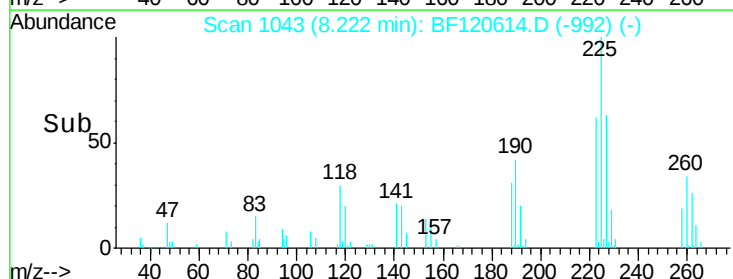
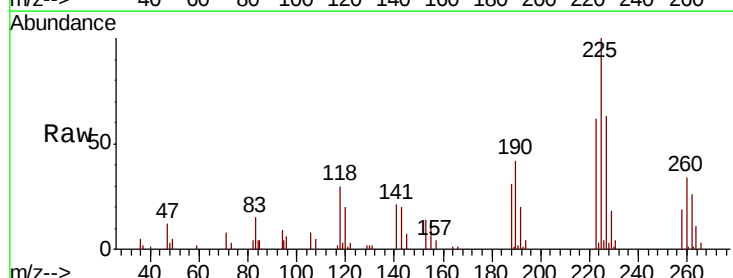
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:127	Resp:	58126
Ion Ratio	Lower	Upper
127	100	
129	31.4	25.9 38.9
65	31.7	22.2 33.4
92	18.4	14.2 21.2



#34
Hexachlorobutadiene
Concen: 5.049 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion:225	Resp:	26230
Ion Ratio	Lower	Upper
225	100	
223	61.9	49.9 74.9
227	62.7	50.5 75.7

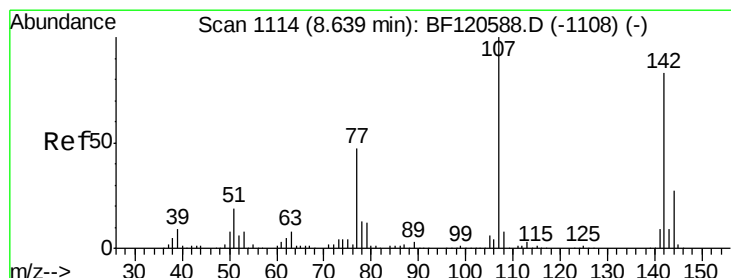
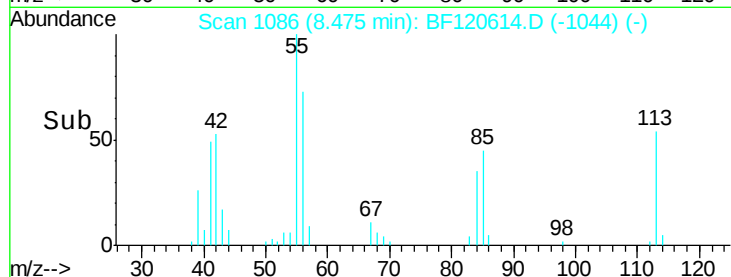
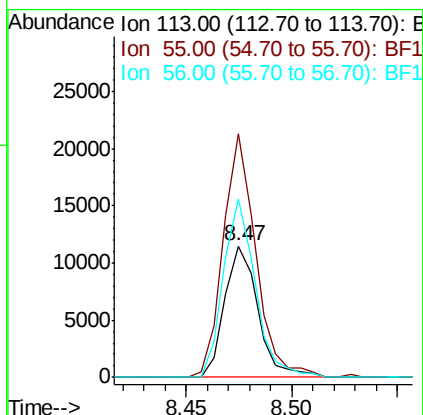
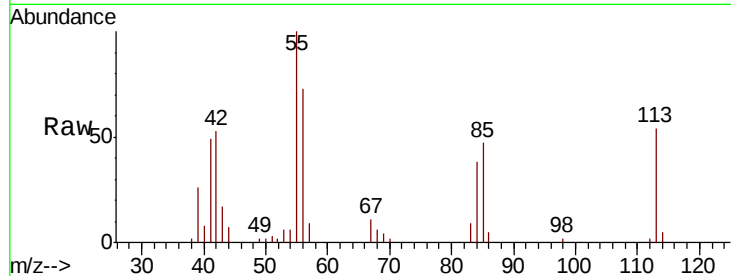




#35
Caprolactam
Concen: 4.870 ng
RT: 8.47 min Scan# 1086
Delta R.T. -0.05 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

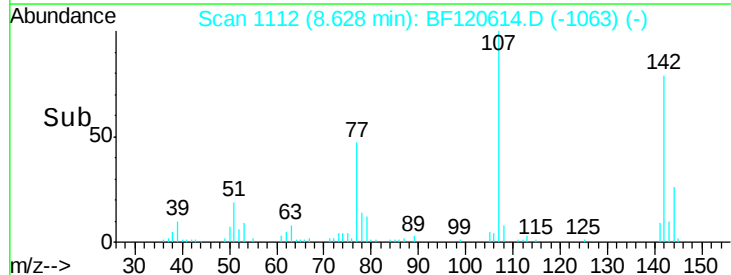
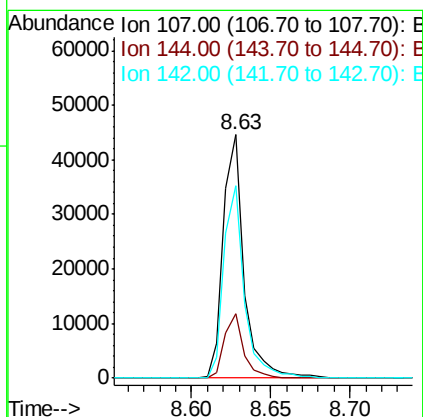
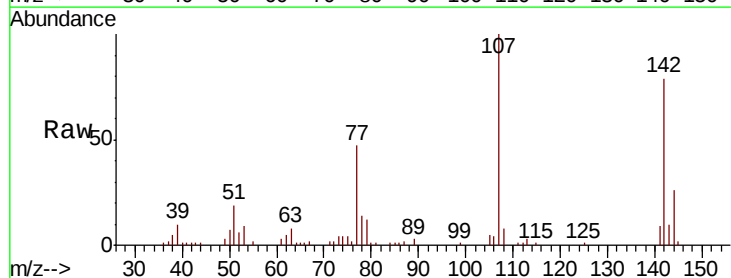
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

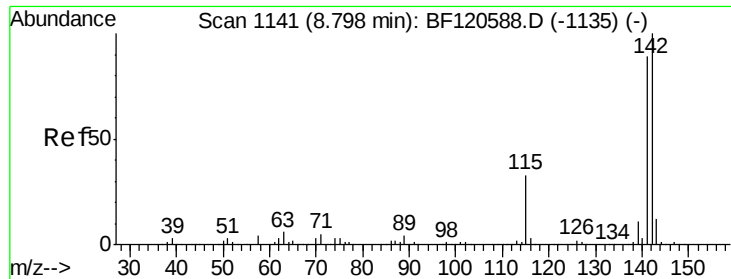
Tot Ion:113 Resp: 12526
Ion Ratio Lower Upper
113 100
55 185.3 133.1 173.1#
56 136.0 98.4 138.4



#36
4-Chloro-3-methylphenol
Concen: 5.059 ng
RT: 8.63 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion:107 Resp: 40648
Ion Ratio Lower Upper
107 100
144 26.2 21.4 32.2
142 79.3 66.3 99.5

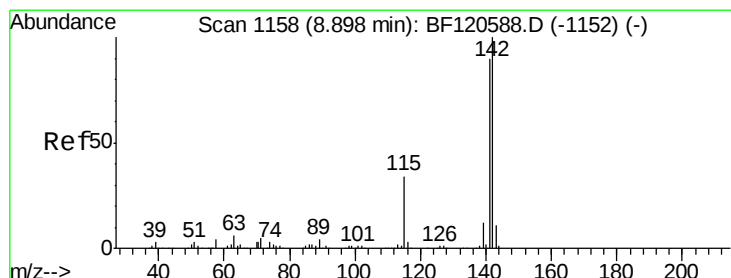
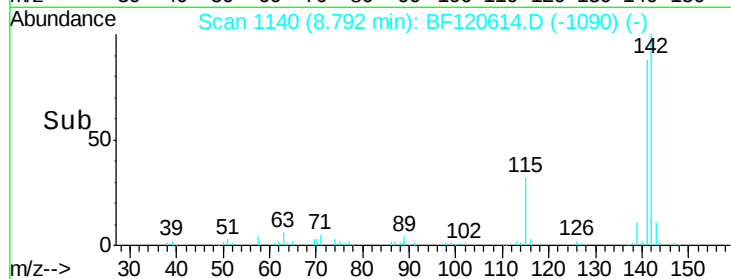
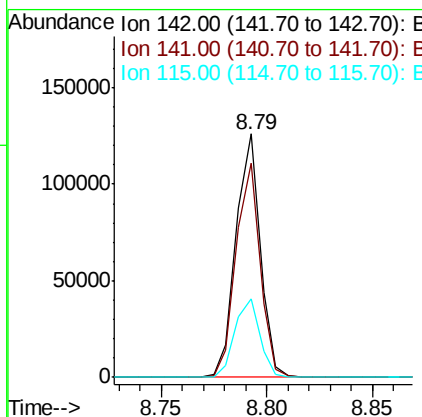
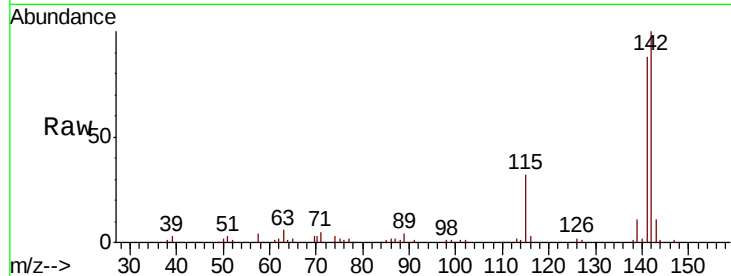




#37
2-Methylnaphthalene
Concen: 5.736 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

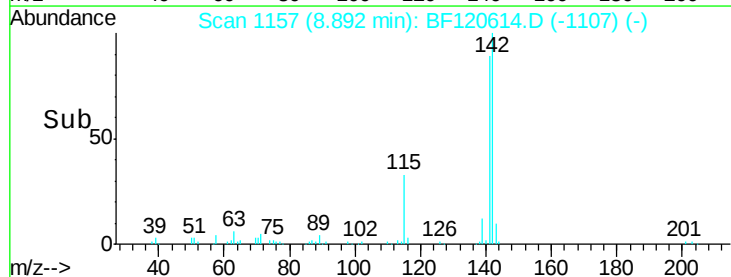
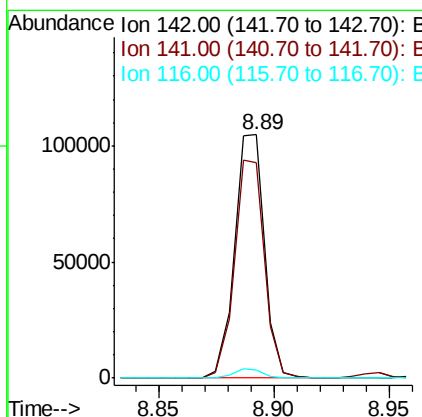
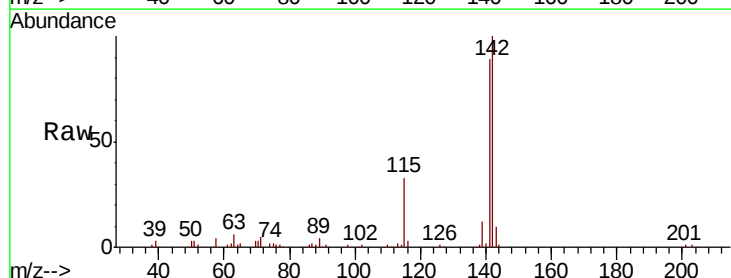
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

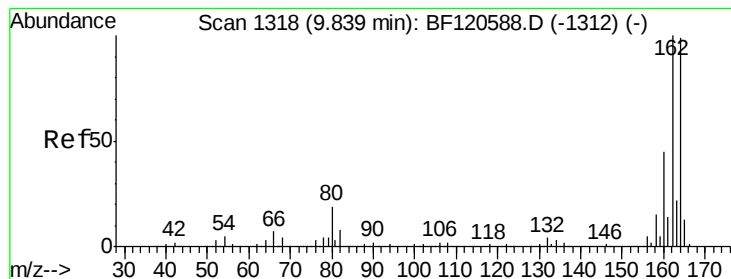
Tot Ion:142 Resp: 99753
Ion Ratio Lower Upper
142 100
141 87.7 71.4 107.0
115 32.1 26.1 39.1



#38
1-Methylnaphthalene
Concen: 5.762 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion:142 Resp: 94278
Ion Ratio Lower Upper
142 100
141 88.5 72.1 108.1
116 3.3 2.7 4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

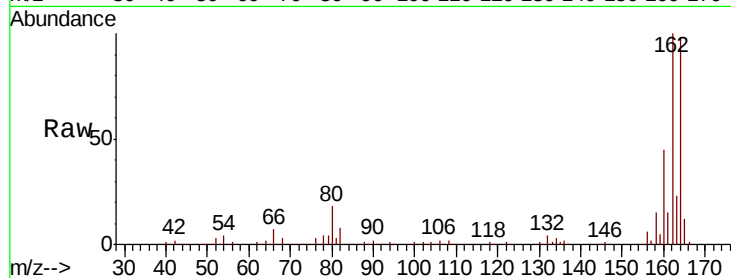
Tot Ion:164 Resp: 294960

Ion Ratio Lower Upper

164 100

162 102.4 80.6 120.8

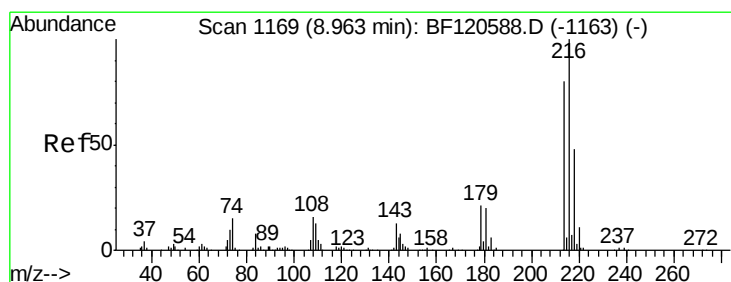
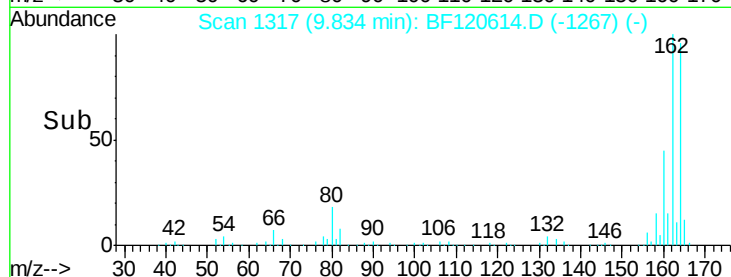
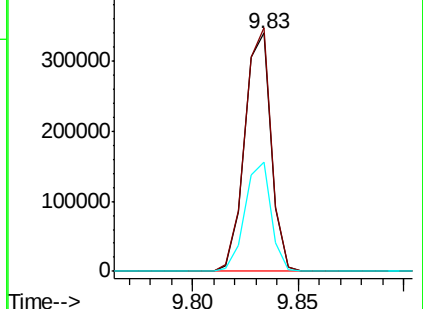
160 46.2 36.2 54.2



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: 5.398 ng

RT: 8.96 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Tgt Ion:216 Resp: 47545

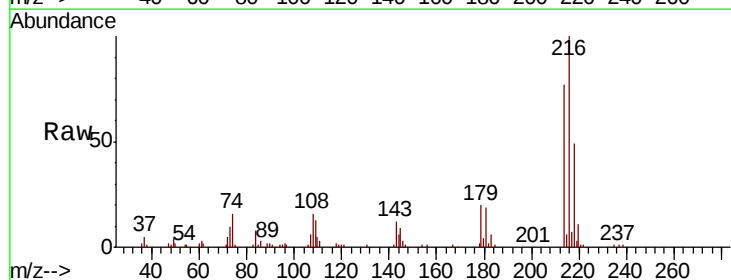
Ion Ratio Lower Upper

216 100

214 79.0 63.8 95.6

179 20.7 16.4 24.6

108 18.0 13.8 20.8

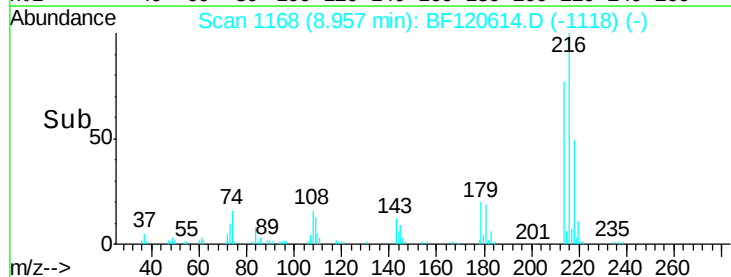
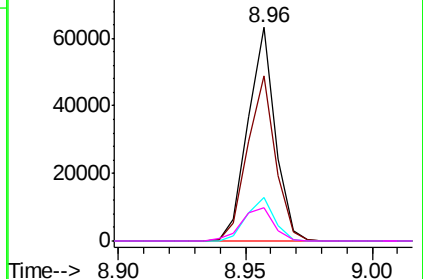


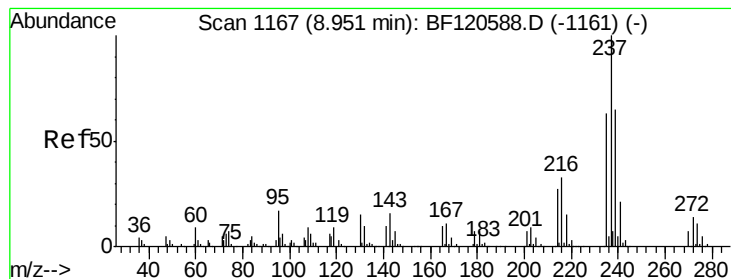
Abundance Ion 216.00 (215.70 to 216.70): E

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: 3.055 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

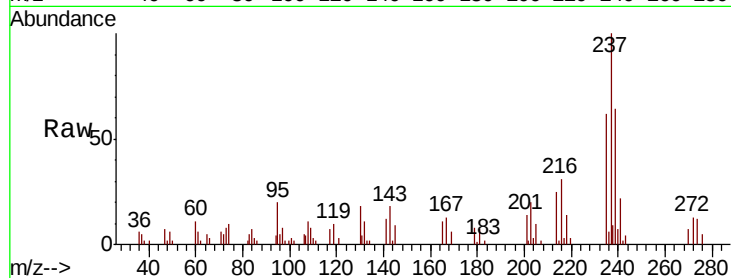
Tot Ion:237 Resp: 15079

Ion Ratio Lower Upper

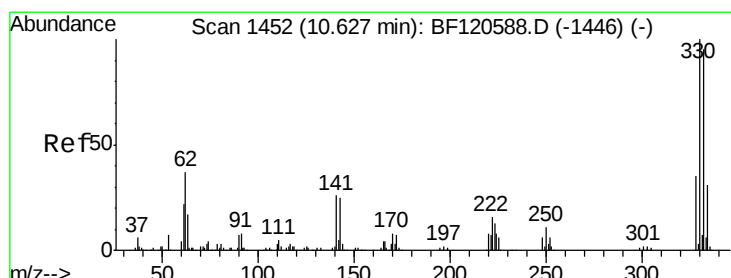
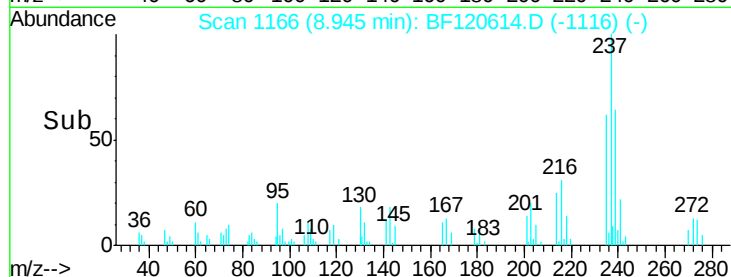
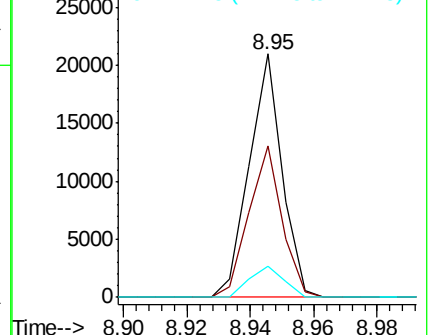
237 100

235 62.3 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: 138.236 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

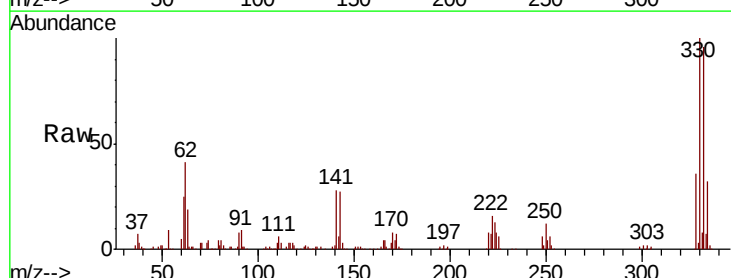
Tgt Ion:330 Resp: 474056

Ion Ratio Lower Upper

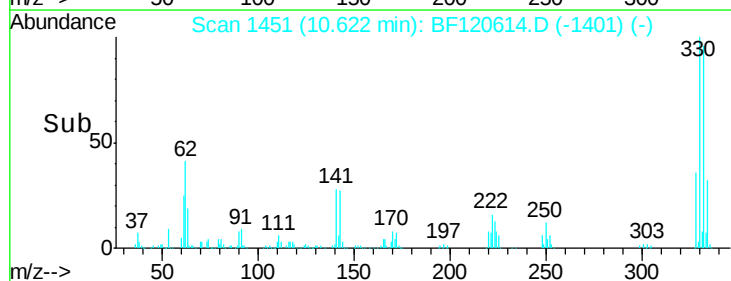
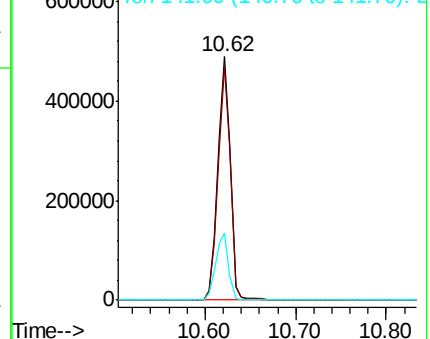
330 100

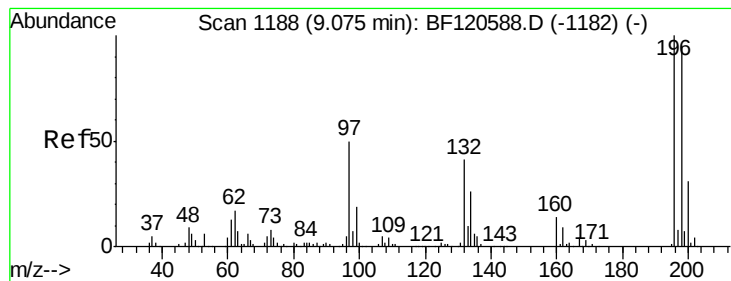
332 95.5 76.8 115.2

141 28.6 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: 4.390 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

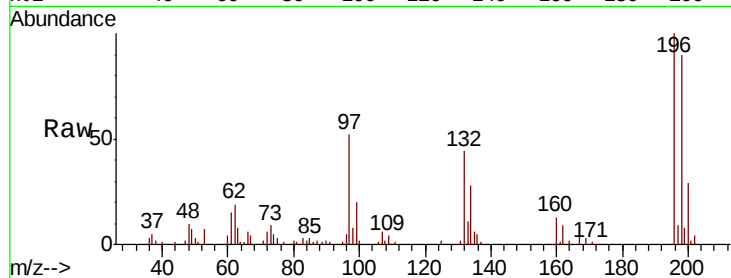
Tot Ion:196 Resp: 27429

Ion Ratio Lower Upper

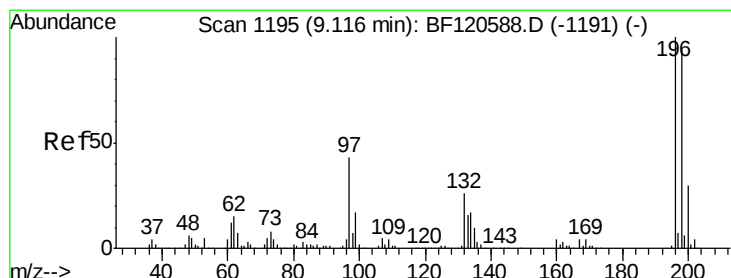
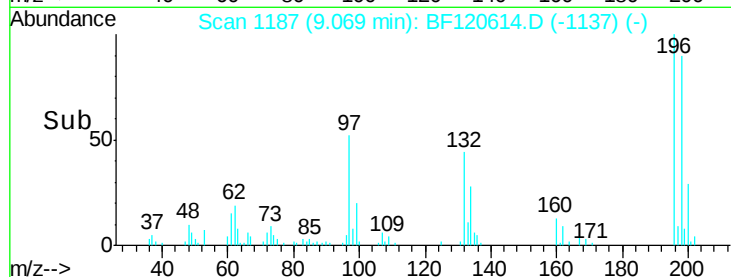
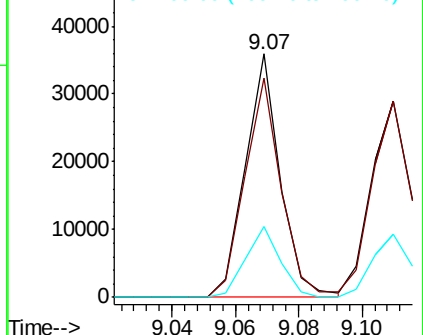
196 100

198 90.3 76.2 114.2

200 29.1 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: 3.894 ng

RT: 9.11 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Tgt Ion:196 Resp: 27598

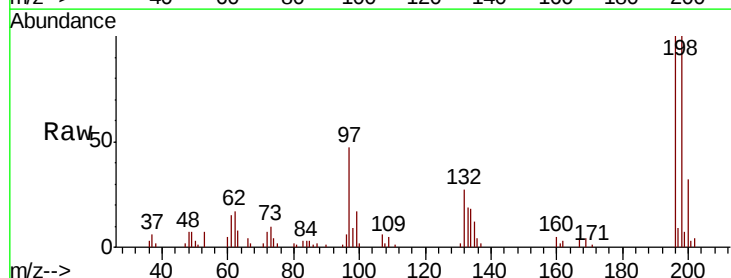
Ion Ratio Lower Upper

196 100

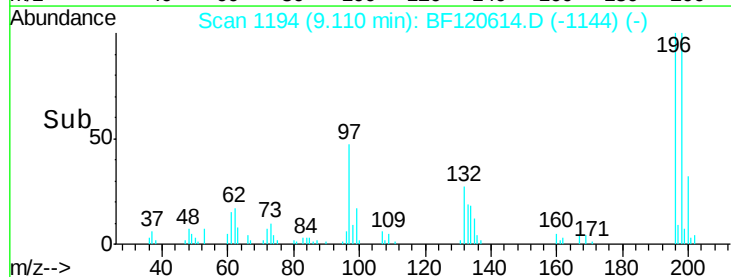
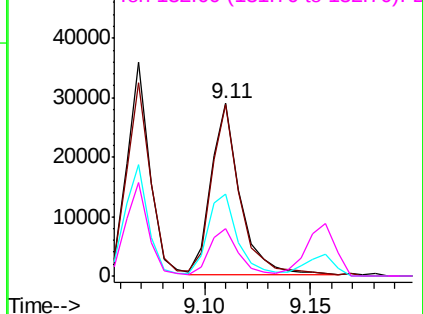
198 99.8 75.5 113.3

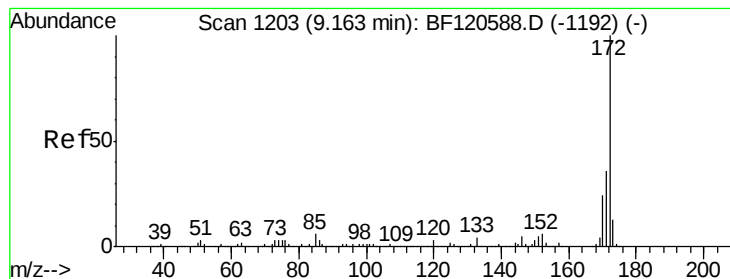
97 47.2 34.4 51.6

132 27.2 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: 94.367 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

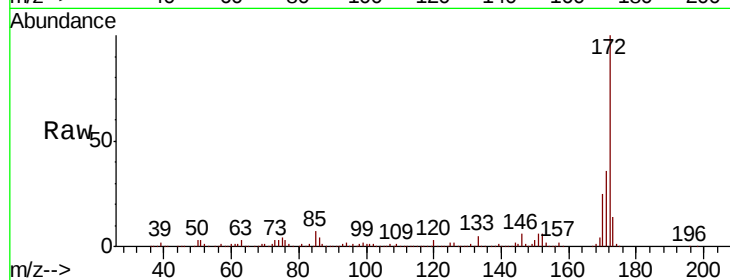
BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:172 Resp: 1819257

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	24.9	19.4	29.2

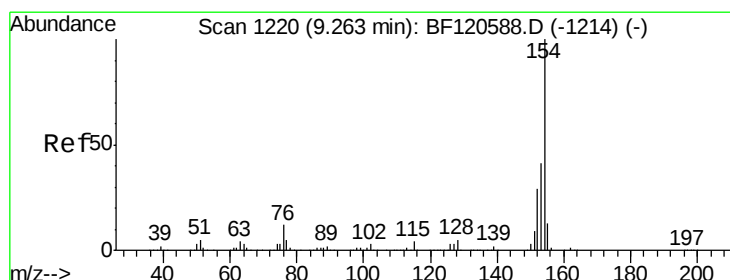
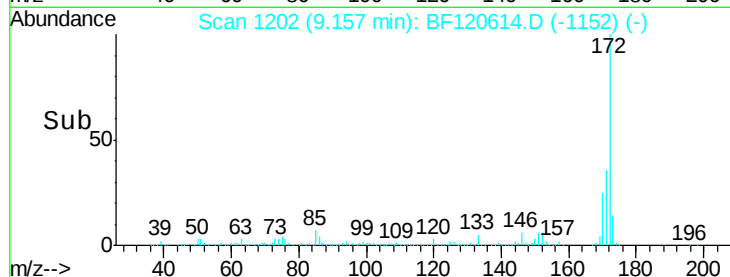
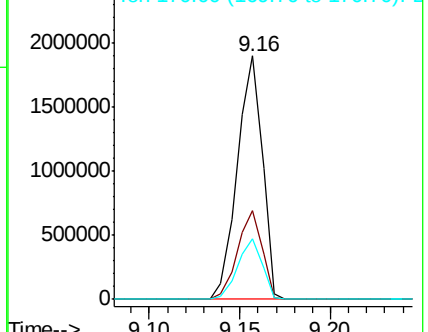


Abundance

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: 5.857 ng

RT: 9.25 min Scan# 1218

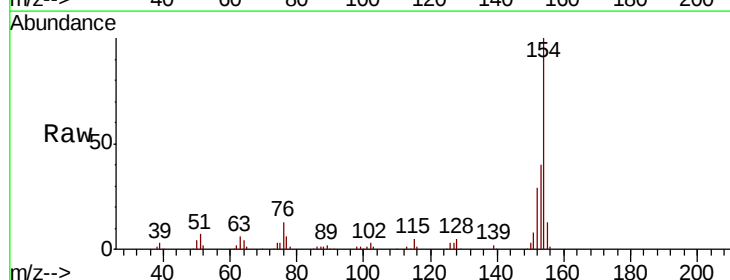
Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Tgt Ion:154 Resp: 128998

Ion	Ratio	Lower	Upper
154	100		
153	39.7	21.4	61.4
76	12.6	0.0	31.6

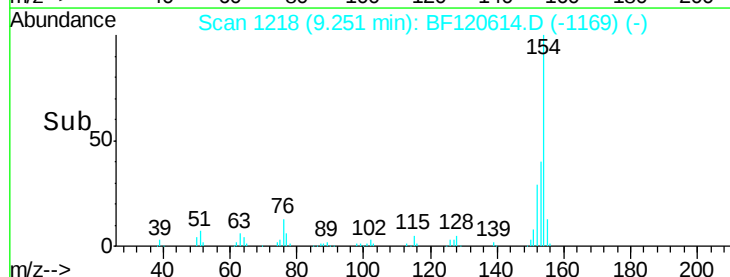
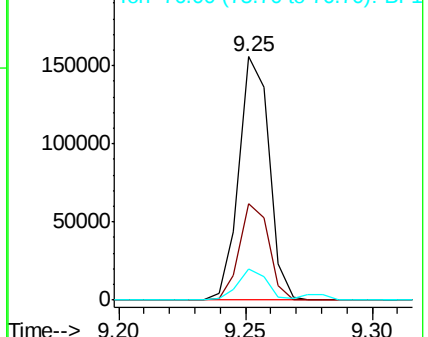


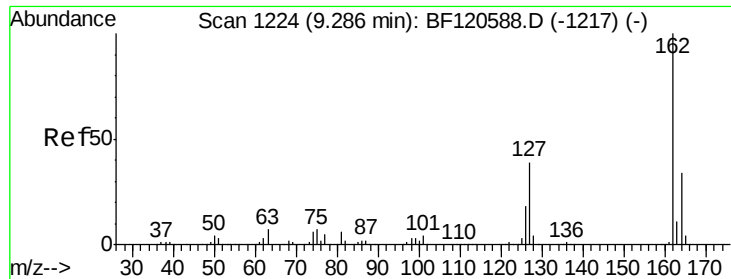
Abundance

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

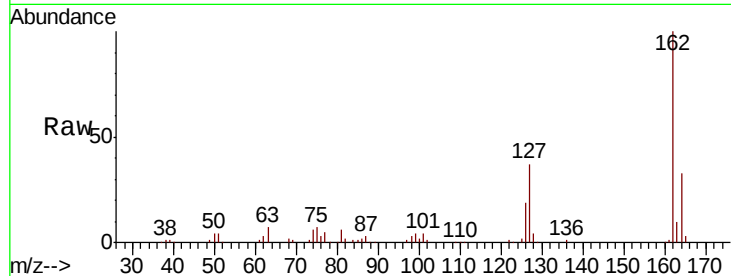




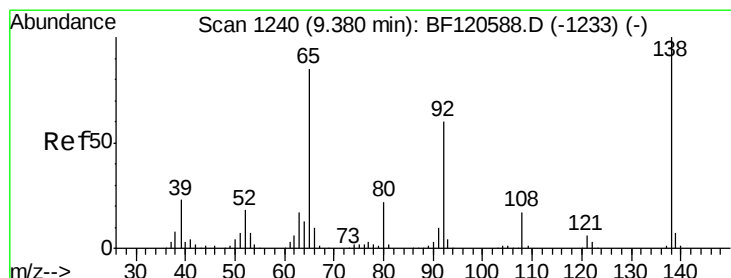
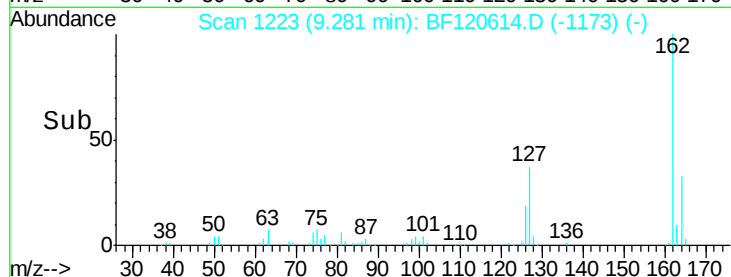
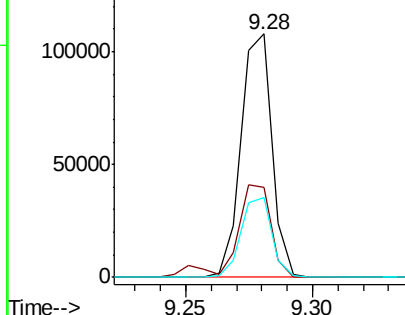
#47
 2-Chloronaphthalene
 Concen: 5.080 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

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

Tot Ion:	162	Resp:	91489
Ion	Ratio	Lower	Upper
162	100		
127	37.1	31.3	46.9
164	32.7	26.9	40.3

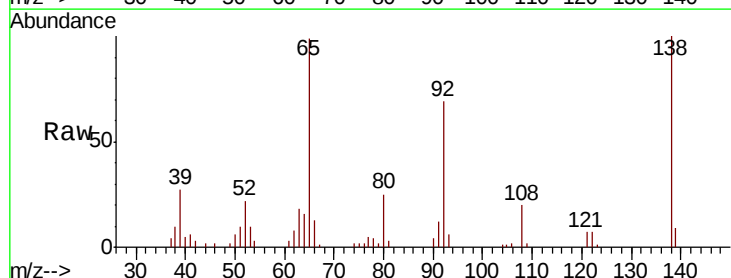


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

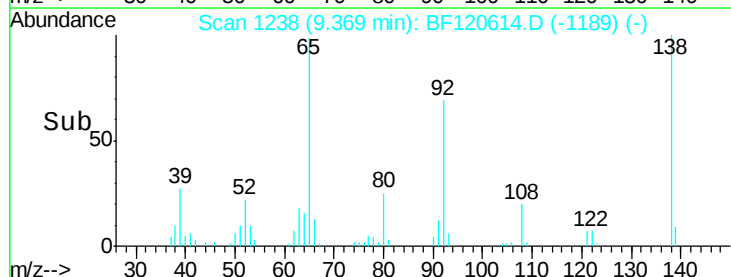
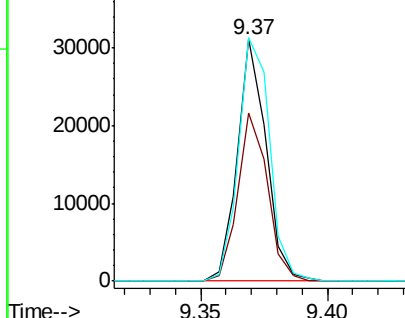


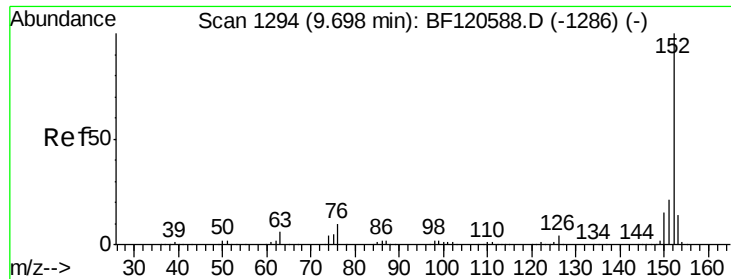
#48
 2-Nitroaniline
 Concen: 4.316 ng
 RT: 9.37 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion:	65	Resp:	24416
Ion	Ratio	Lower	Upper
65	100		
92	69.7	56.0	84.0
138	100.6	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: 5.326 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

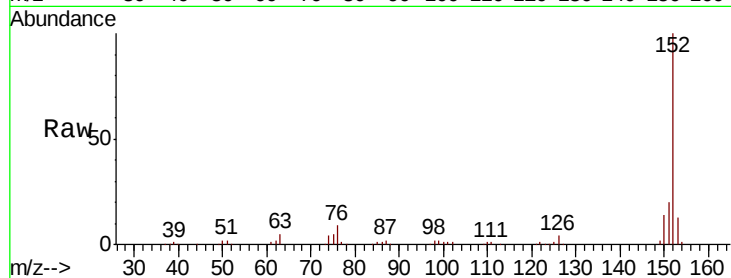
Tot Ion:152 Resp: 148040

Ion Ratio Lower Upper

152 100

151 19.7 16.6 25.0

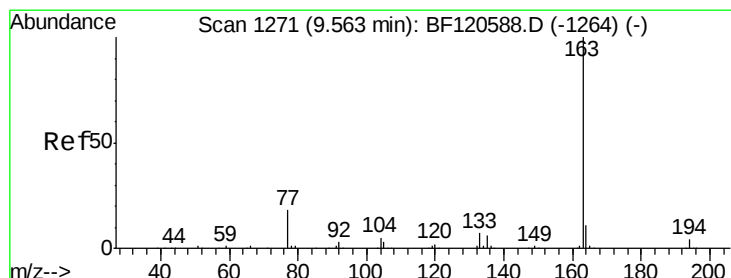
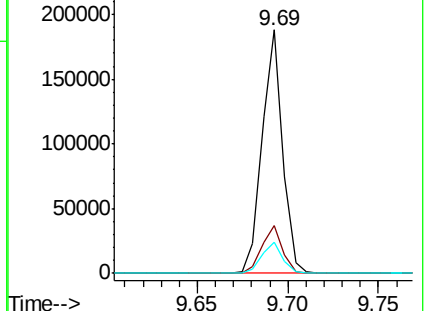
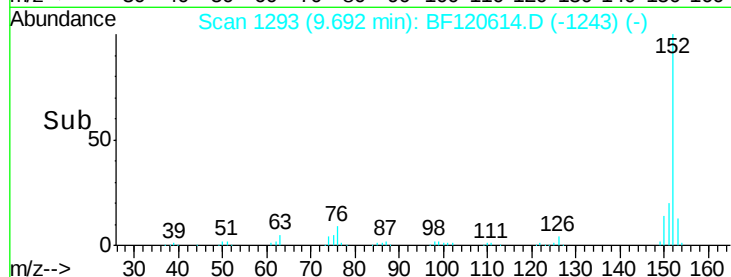
153 13.0 11.0 16.6



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: 4.867 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

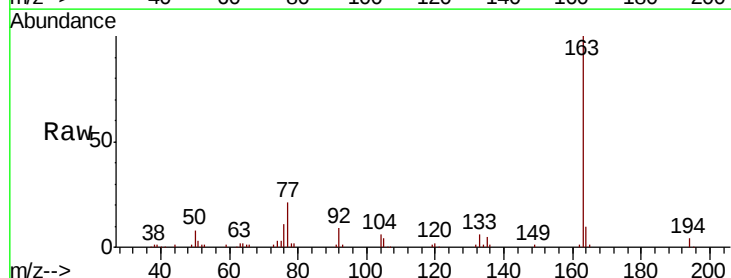
Tgt Ion:163 Resp: 103382

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

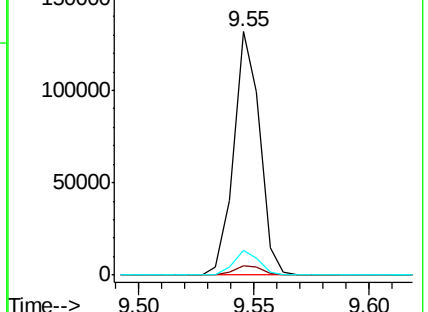
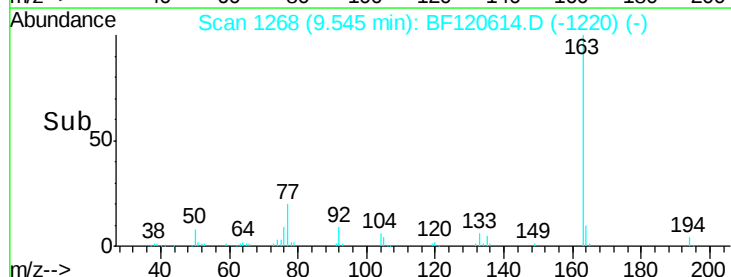
164 10.3 8.5 12.7



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: 4.386 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

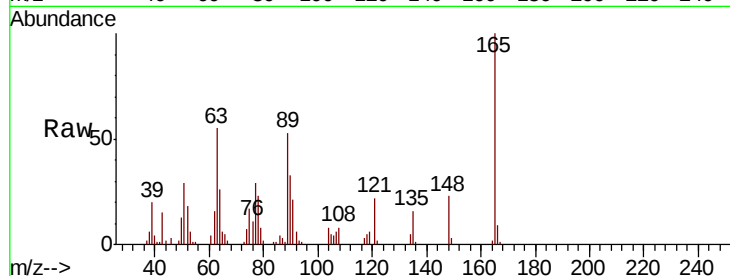
Tot Ion:165 Resp: 21116

Ion Ratio Lower Upper

165 100

63 54.6 41.7 62.5

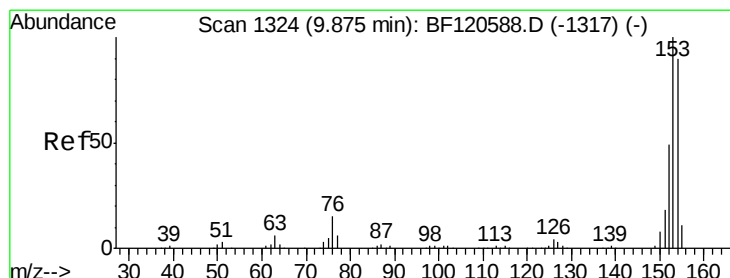
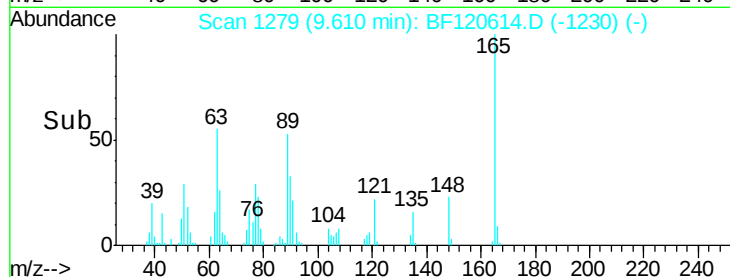
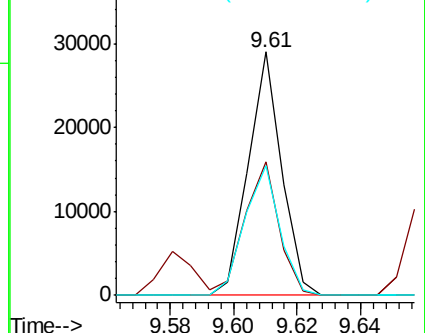
89 53.1 42.6 64.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 5.363 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

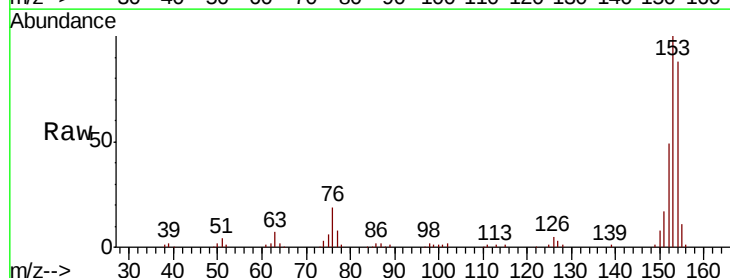
Tgt Ion:154 Resp: 88913

Ion Ratio Lower Upper

154 100

153 113.6 89.1 133.7

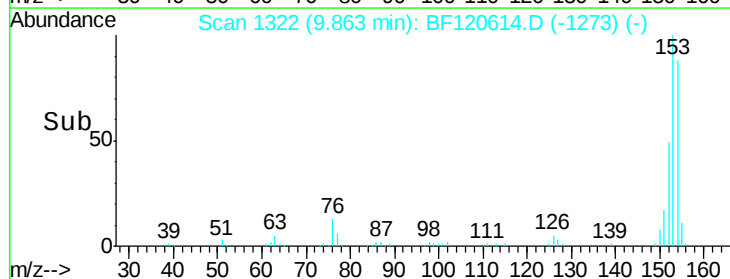
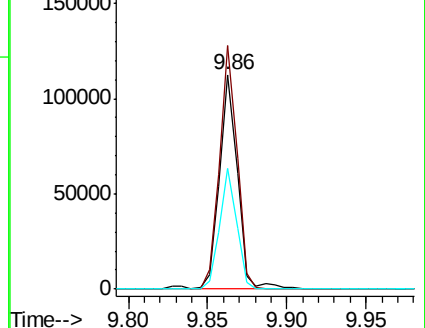
152 56.2 43.7 65.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

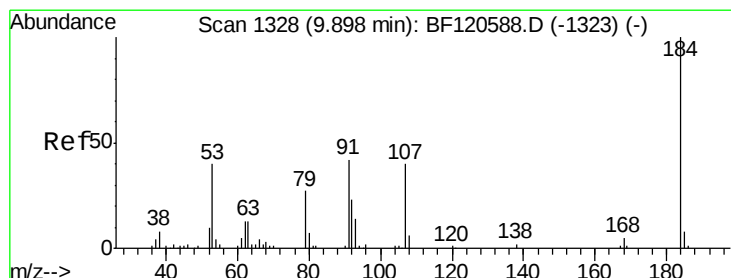
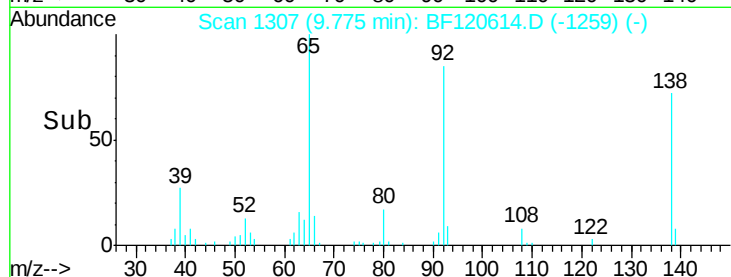
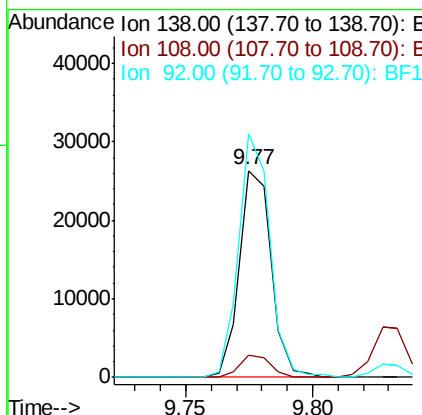
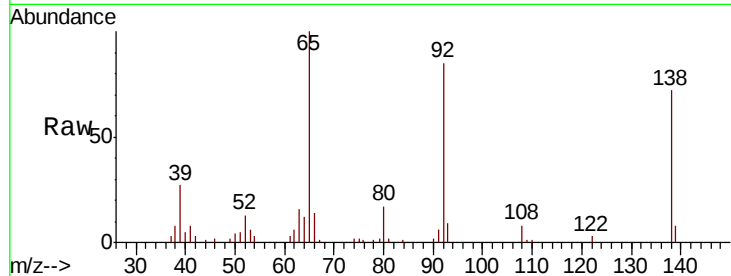




#53
3-Nitroaniline
Concen: 3.996 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

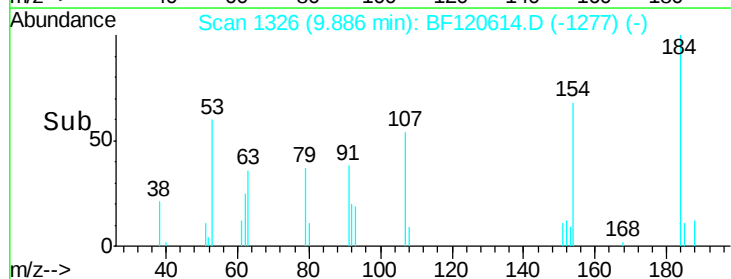
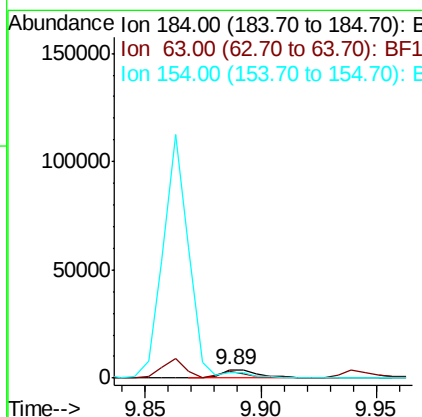
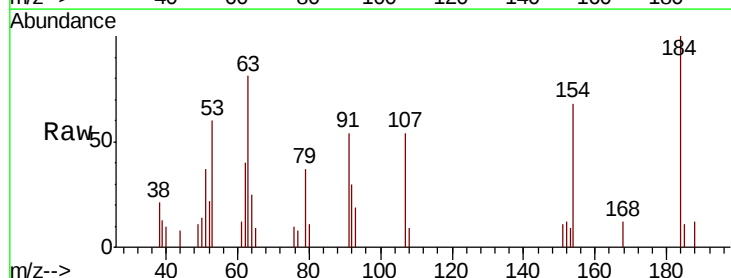
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

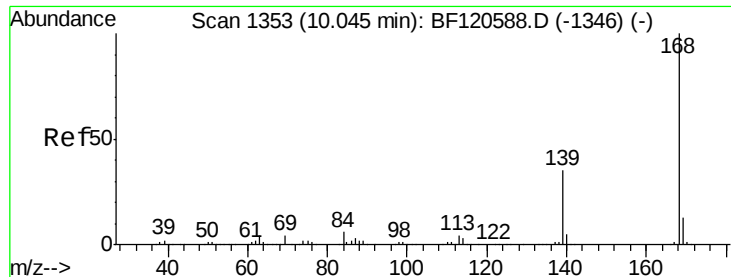
Tot Ion:138 Resp: 23105
Ion Ratio Lower Upper
138 100
108 10.8 8.0 12.0
92 117.8 86.0 129.0



#54
2,4-Dinitrophenol
Concen: 1.665 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion:184 Resp: 4298
Ion Ratio Lower Upper
184 100
63 81.2 44.2 66.2#
154 68.1 45.9 68.9

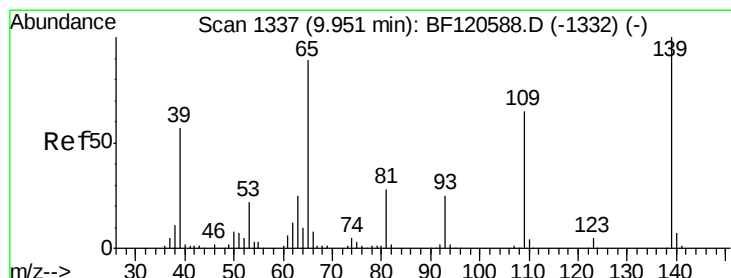
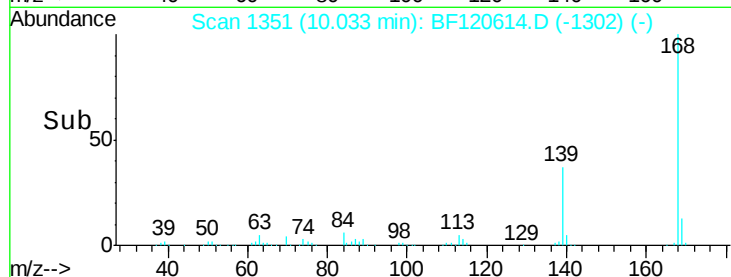
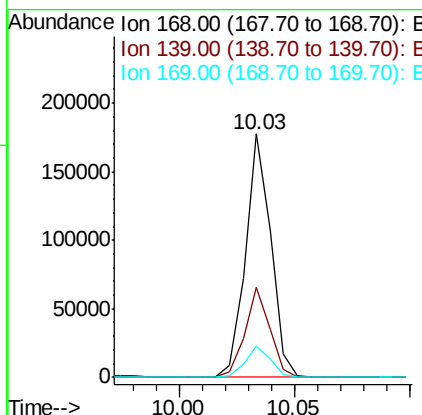
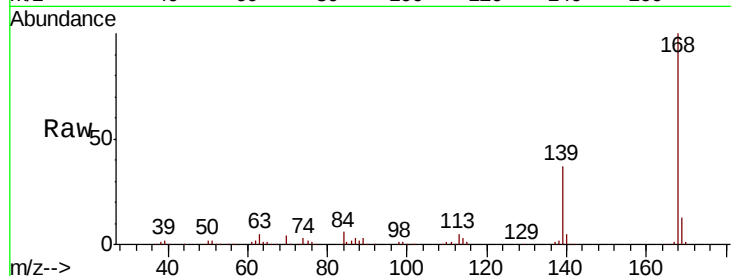




#55
Dibenzenofuran
Concen: 5.344 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

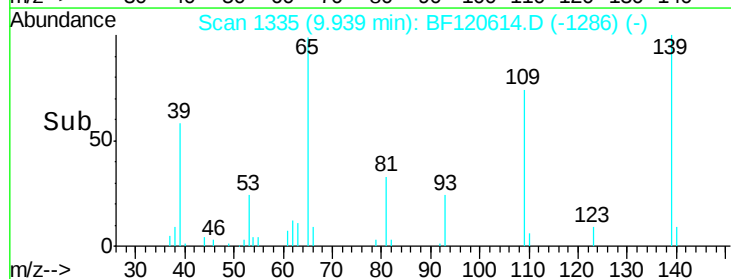
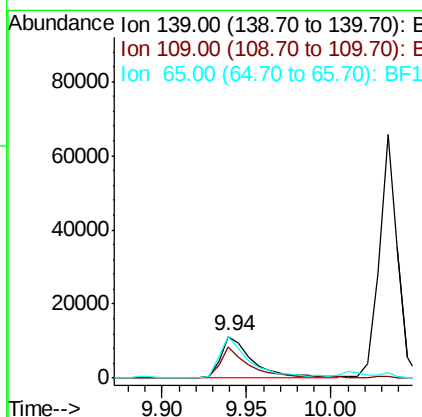
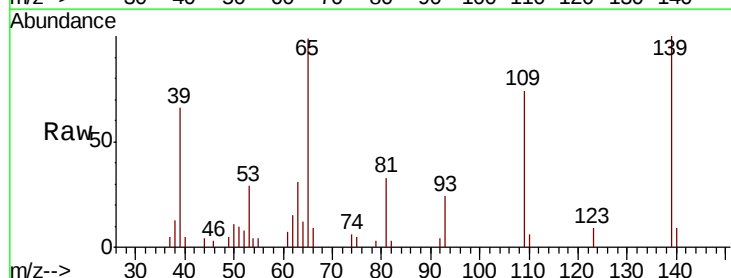
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

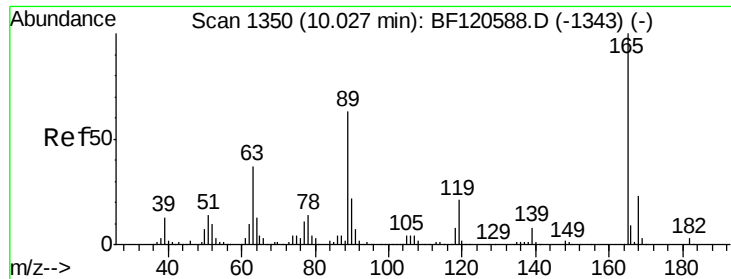
Tot Ion:168 Resp: 135838
Ion Ratio Lower Upper
168 100
139 37.0 28.1 42.1
169 12.7 10.6 16.0



#56
4-Nitrophenol
Concen: 3.390 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion:139 Resp: 14764
Ion Ratio Lower Upper
139 100
109 74.0 44.6 84.6
65 99.2 69.2 109.2

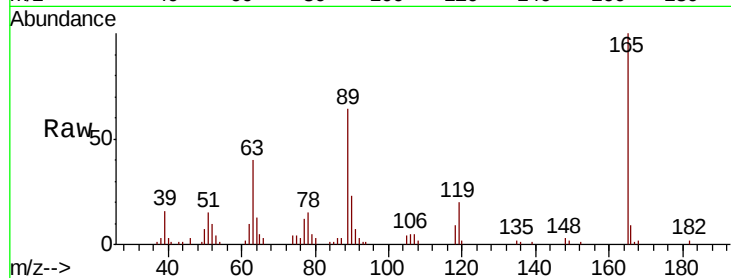




#57
2,4-Dinitrotoluene
Concen: 4.142 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

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

Tot Ion	Ratio	Lower	Upper
165	100		
63	39.6	29.8	44.8
89	63.7	50.4	75.6
182	2.1	2.1	3.1

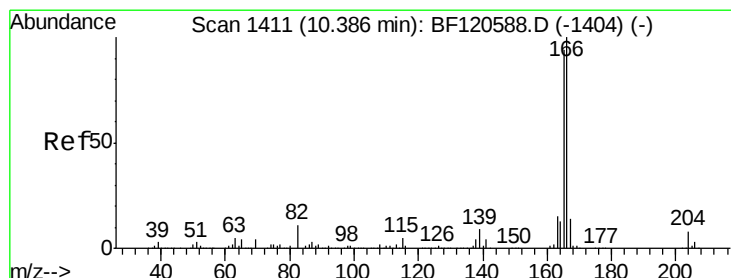
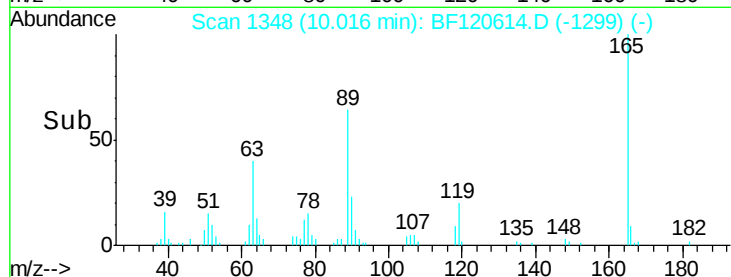
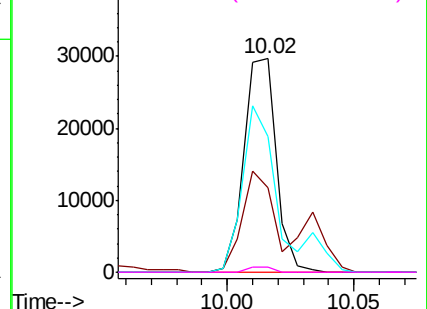


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

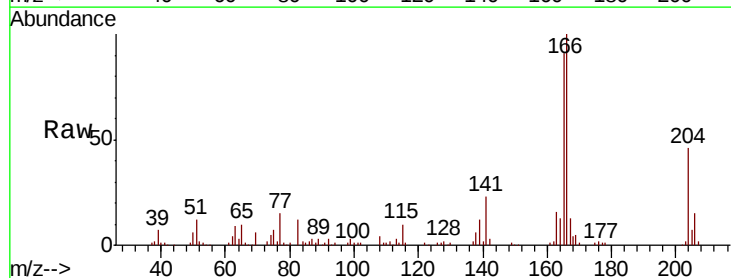
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 5.317 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

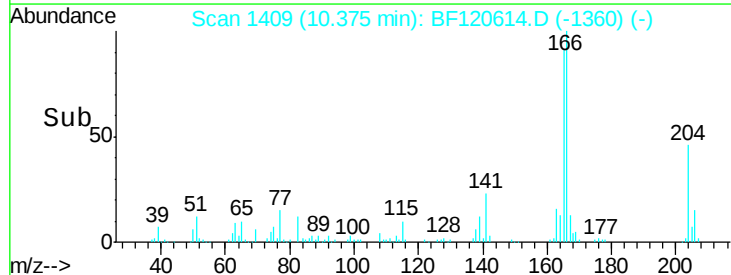
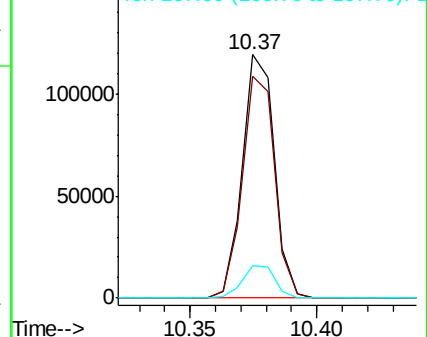
Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.3	75.0	112.6
167	13.1	11.0	16.4

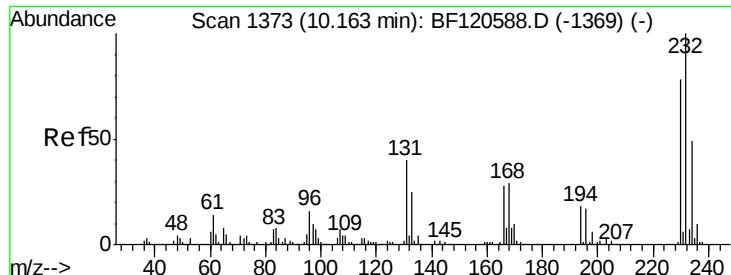


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

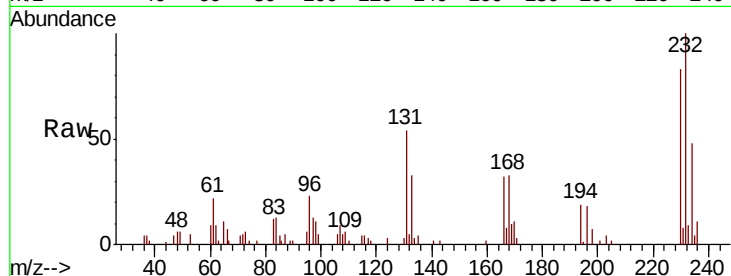




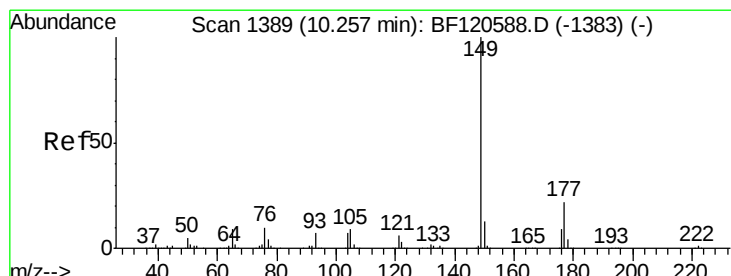
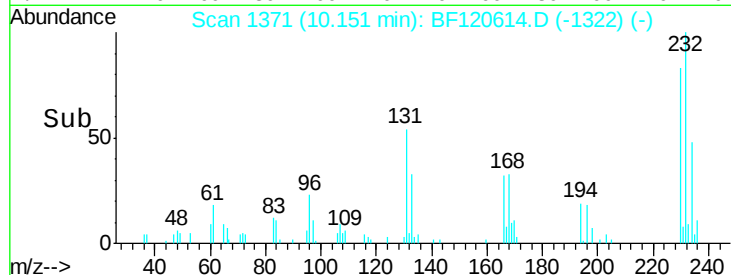
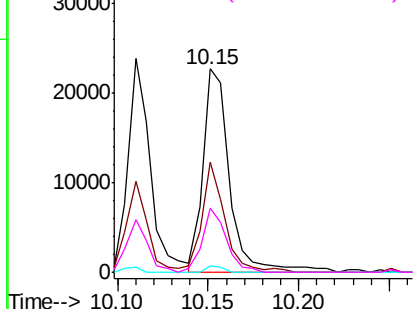
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.168 ng
 RT: 10.15 min Scan# 1371
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

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

Tot Ion:232	Resp:	23240
Ion Ratio	Lower	Upper
232	100	
131	47.0	33.5 50.3
130	1.8	1.5 2.3
166	28.6	23.4 35.0

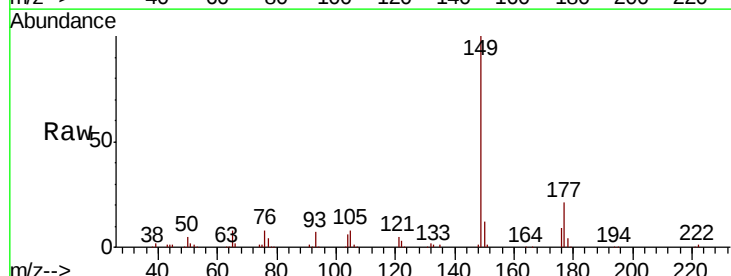


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

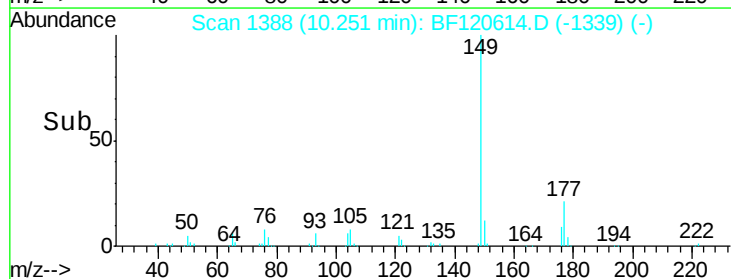
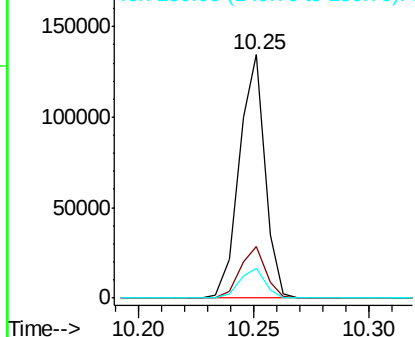


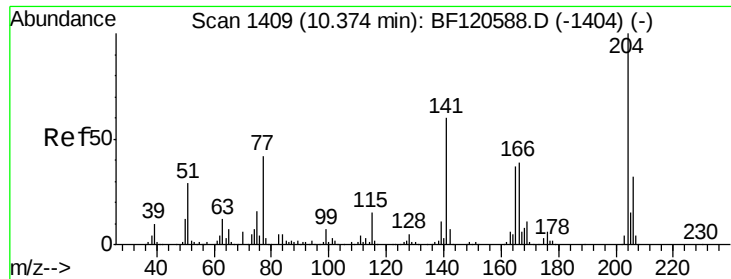
#60
 Diethylphthalate
 Concen: 4.988 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion	149	Resp: Lower	104368 Upper
	Ratio		
149	100		
177	21.3	17.3	25.9
150	12.1	10.3	15.5



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

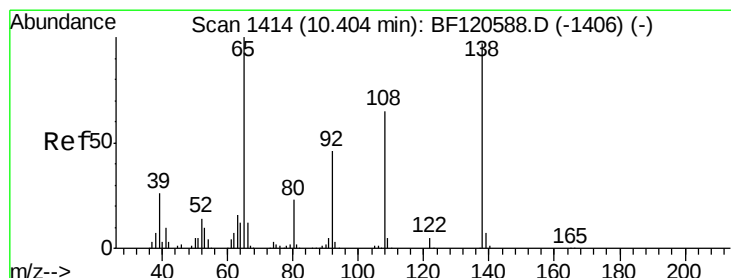
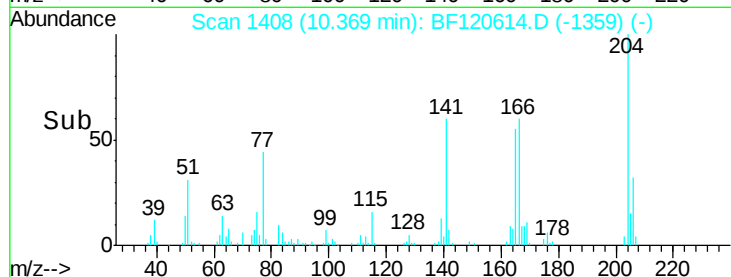
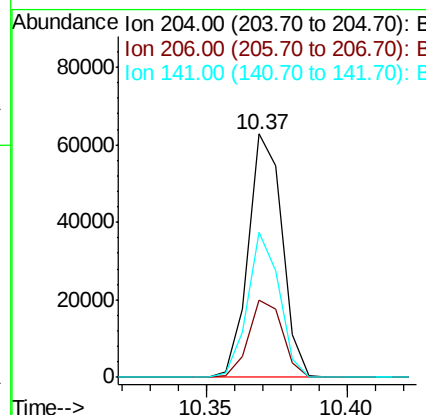
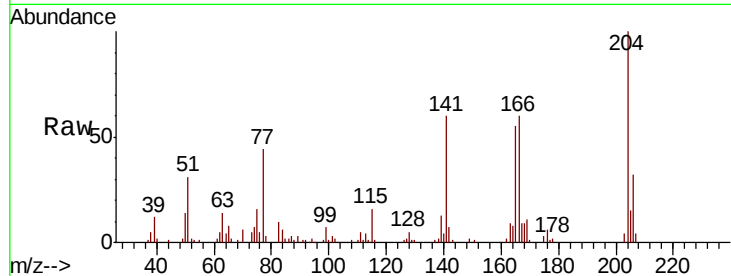




#61
4-Chlorophenyl-phenylether
Concen: 5.158 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

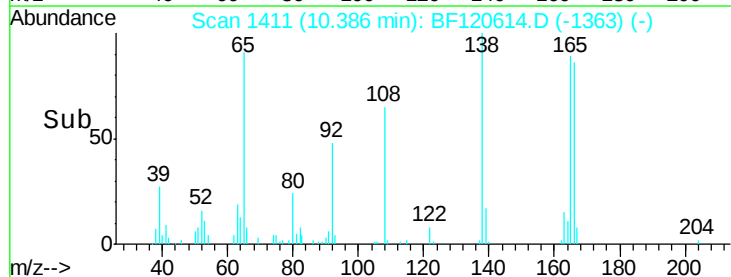
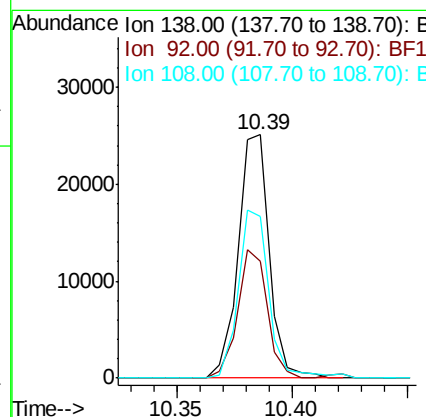
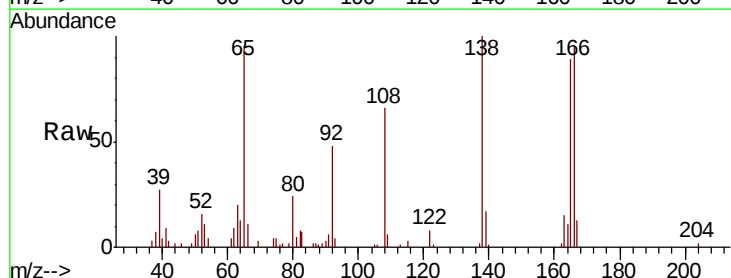
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:204 Resp: 52198
Ion Ratio Lower Upper
204 100
206 31.5 25.9 38.9
141 59.6 47.6 71.4



#62
4-Nitroaniline
Concen: 4.099 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.02 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion:138 Resp: 23531
Ion Ratio Lower Upper
138 100
92 47.9 27.3 67.3
108 66.5 47.4 87.4





#63

Azobenzene

Concen: 5.320 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 77 Resp: 101044

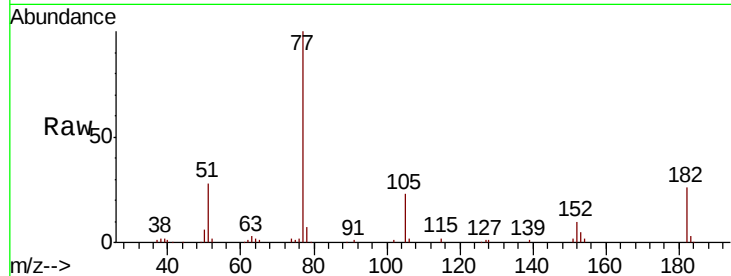
Ion Ratio Lower Upper

77 100

182 26.1 7.7 47.7

105 23.3 3.2 43.2

51 28.4 8.5 48.5

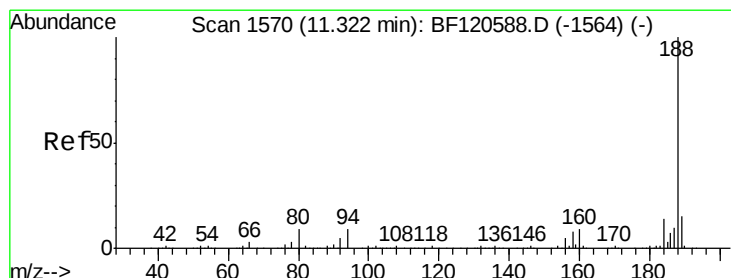
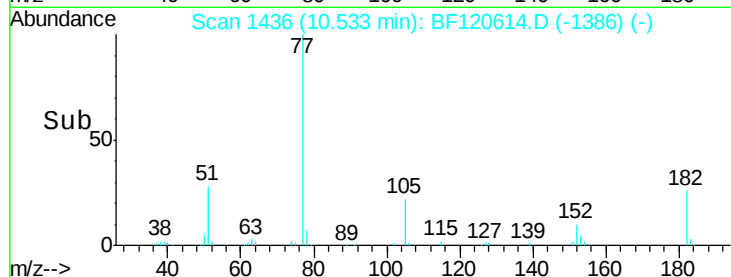
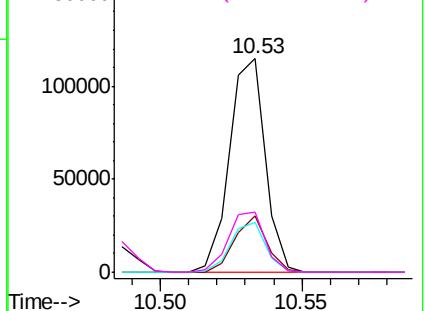


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

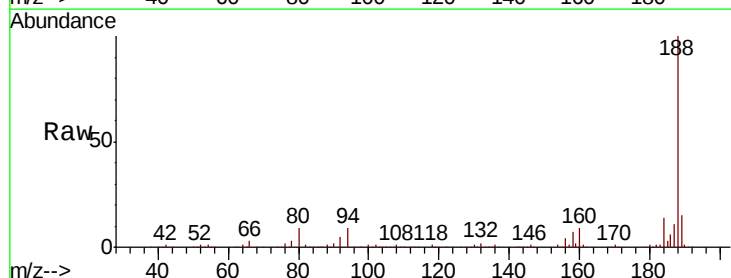
Tgt Ion: 188 Resp: 546652

Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

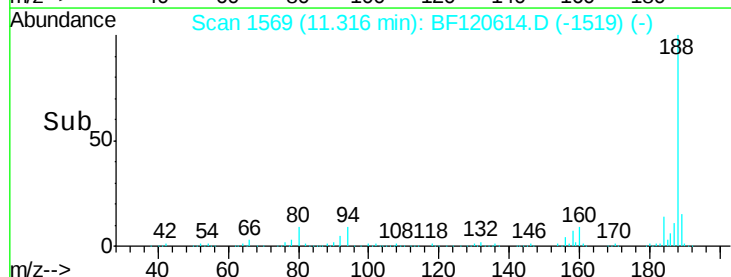
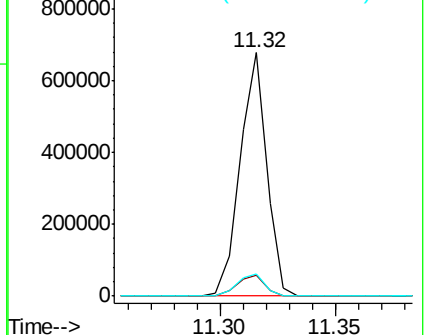
80 9.1 7.4 11.2

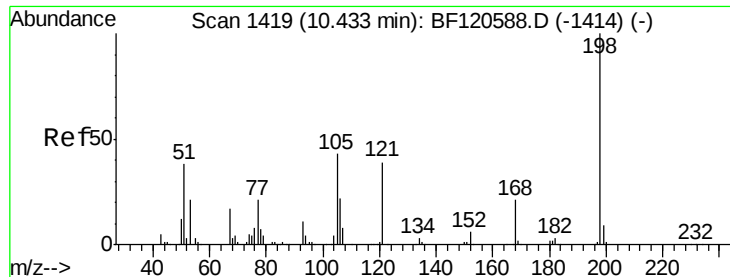


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

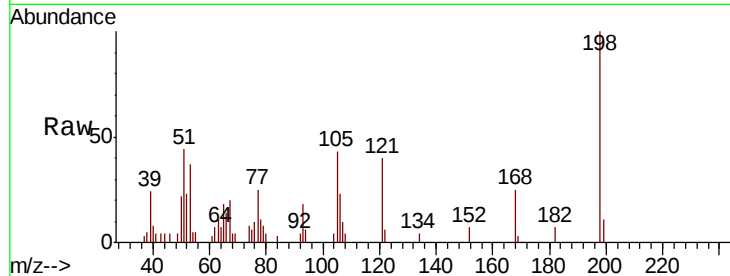




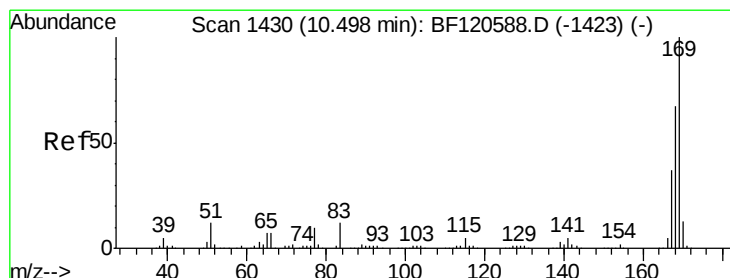
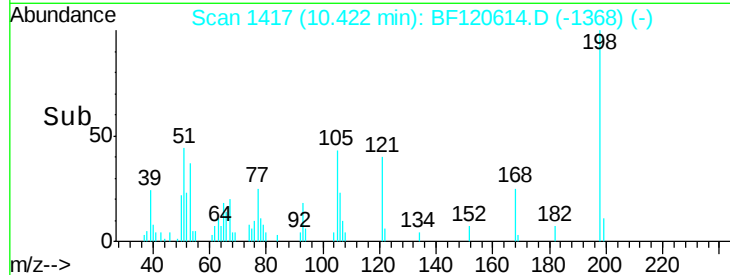
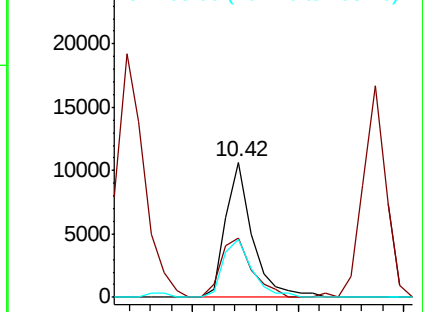
#65
4,6-Dinitro-2-methylphenol
Concen: 2.868 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

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

Tot Ion:198 Resp: 9406
Ion Ratio Lower Upper
198 100
51 44.2 24.8 64.8
105 43.3 23.9 63.9

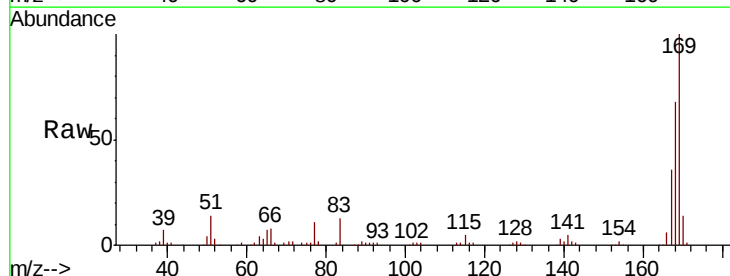


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

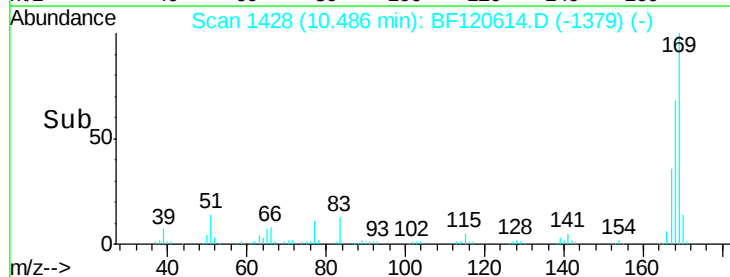
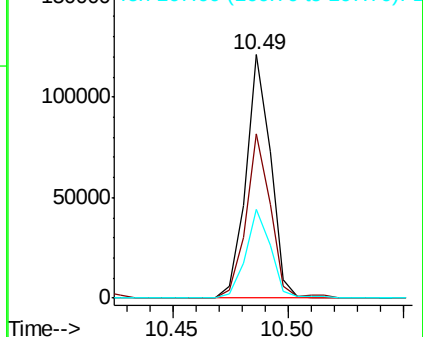


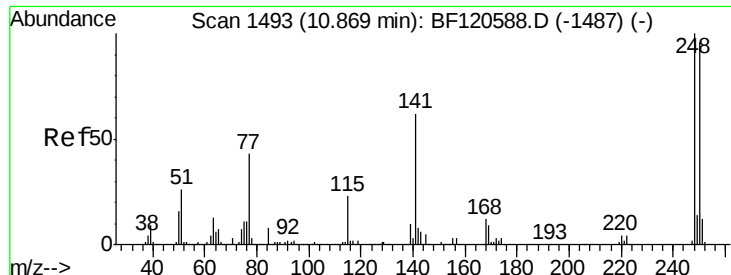
#66
n-Nitrosodiphenylamine
Concen: 5.394 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion:169 Resp: 90550
Ion Ratio Lower Upper
169 100
168 67.5 53.7 80.5
167 36.3 29.9 44.9



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

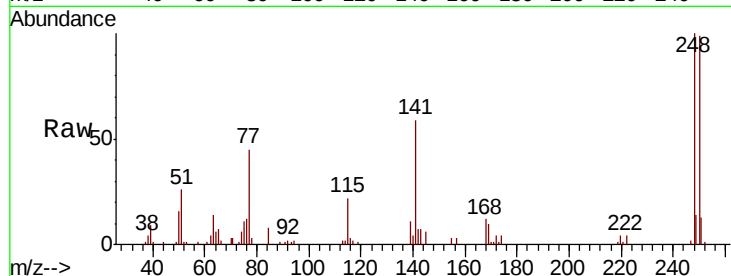




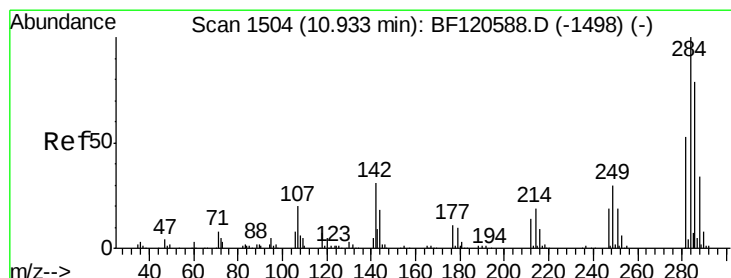
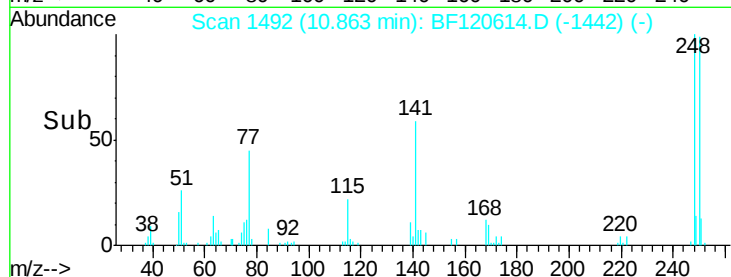
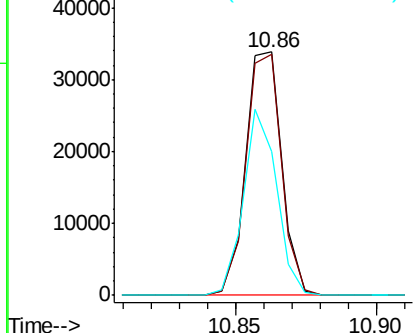
#67
 4-Bromophenyl-phenylether
 Concen: 4.833 ng
 RT: 10.86 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

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

Tot Ion:248 Resp: 29982
 Ion Ratio Lower Upper
 248 100
 250 99.2 76.7 115.1
 141 59.1 49.4 74.0

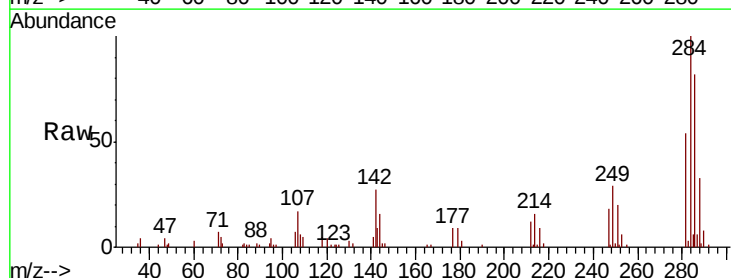


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

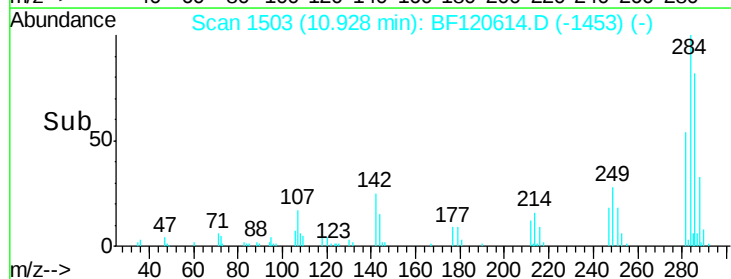
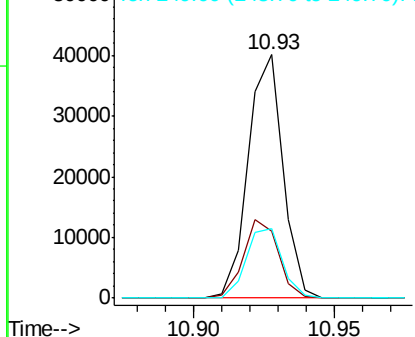


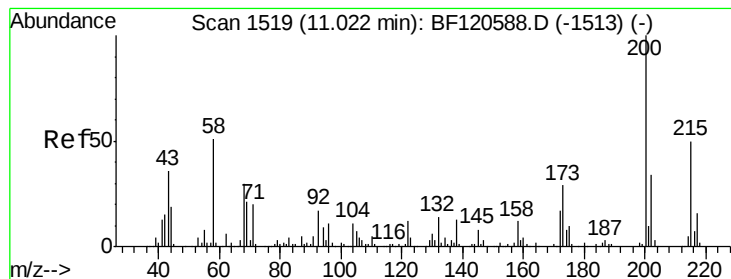
#68
 Hexachlorobenzene
 Concen: 5.128 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion:284 Resp: 34208
 Ion Ratio Lower Upper
 284 100
 142 27.4 25.1 37.7
 249 28.8 24.0 36.0



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





#69

Atrazine

Concen: 5.538 ng

RT: 11.01 min Scan# 1517

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

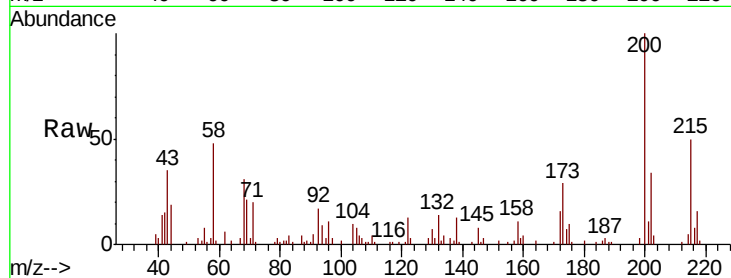
Tot Ion:200 Resp: 28767

Ion Ratio Lower Upper

200 100

173 29.2 9.1 49.1

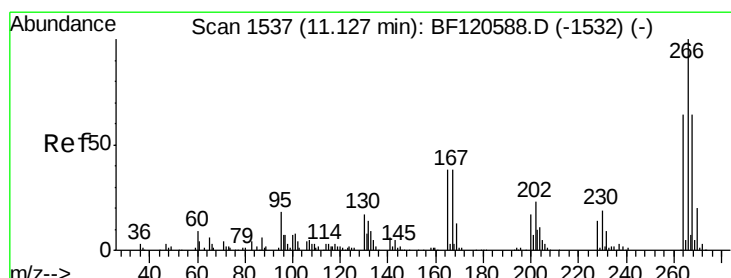
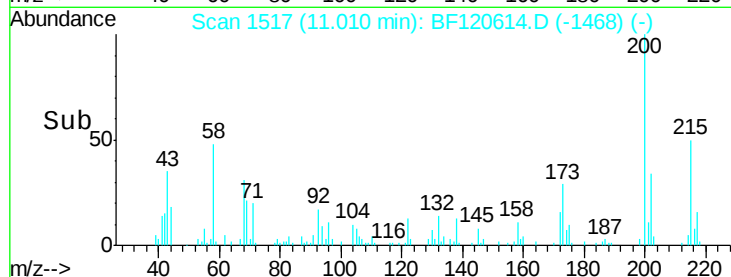
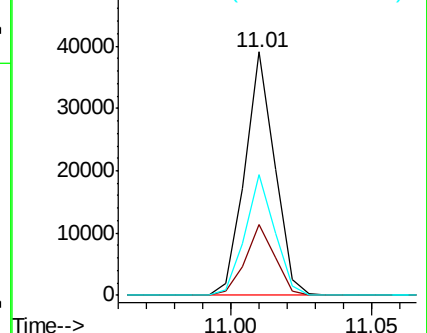
215 49.8 29.8 69.8



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 2.594 ng

RT: 11.12 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

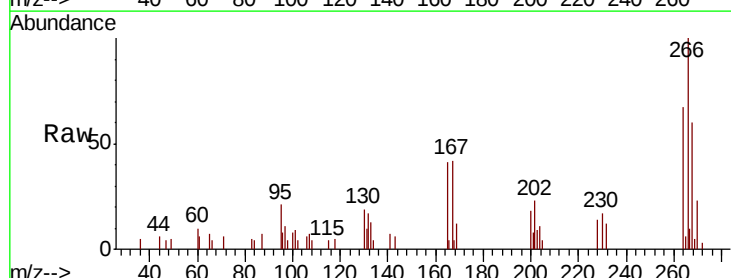
Tgt Ion:266 Resp: 9618

Ion Ratio Lower Upper

266 100

268 65.0 51.4 77.0

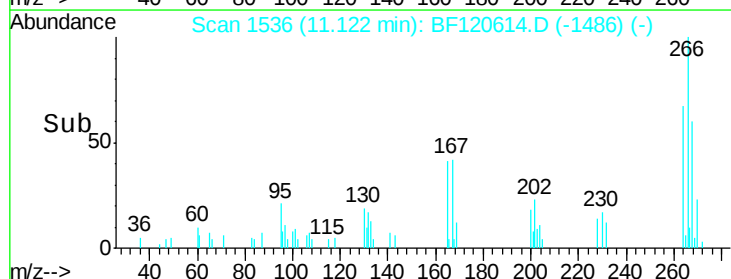
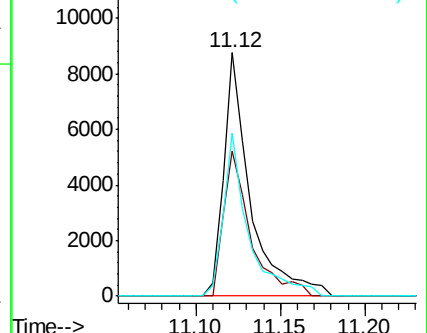
264 66.8 50.8 76.2

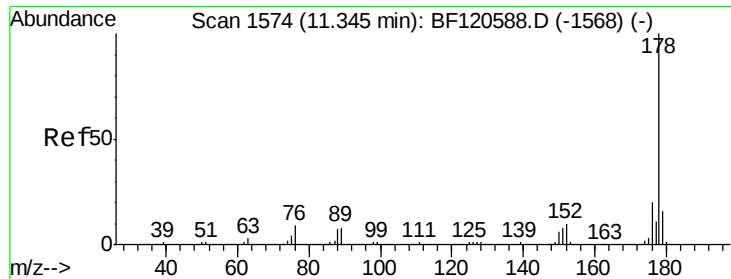


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 5.525 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

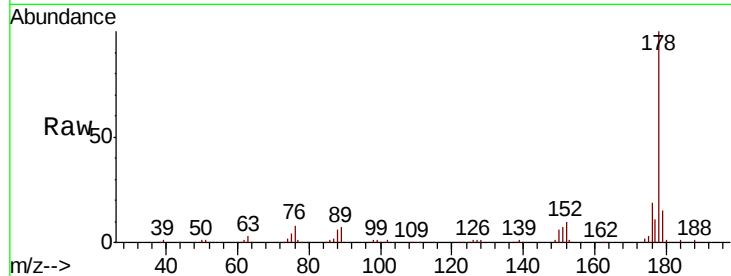
Tot Ion:178 Resp: 150130

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

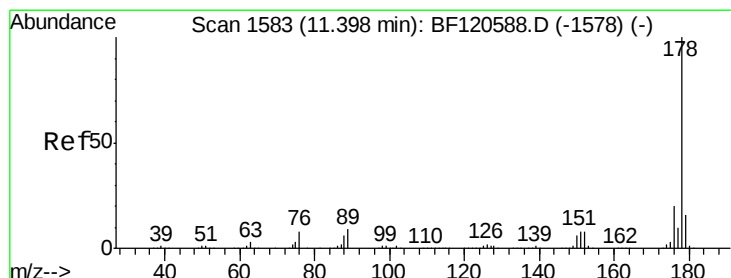
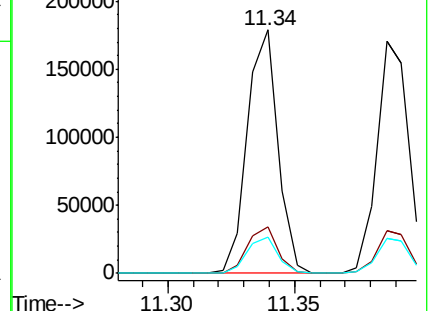
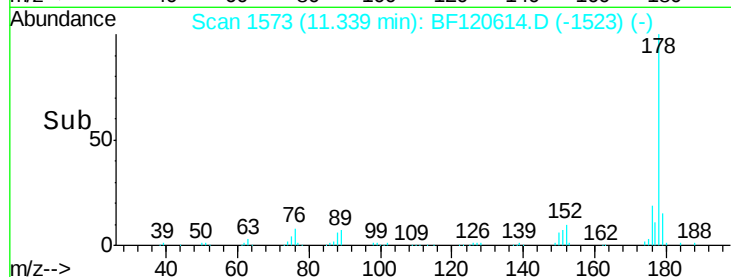
179 15.2 12.8 19.2



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: 5.440 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

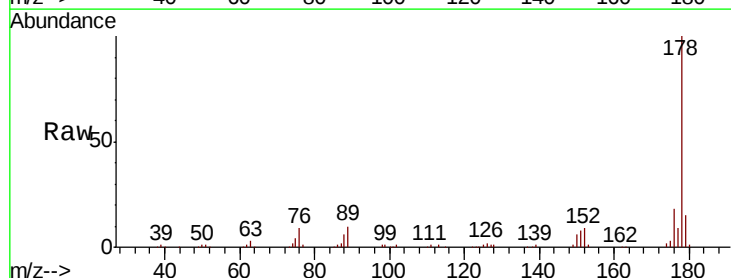
Tgt Ion:178 Resp: 148999

Ion Ratio Lower Upper

178 100

176 18.5 15.6 23.4

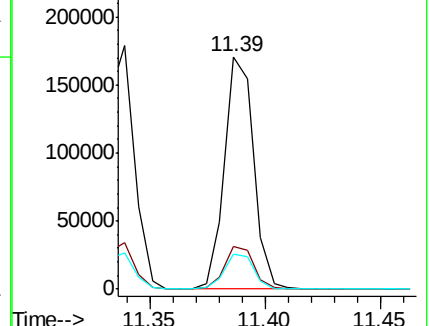
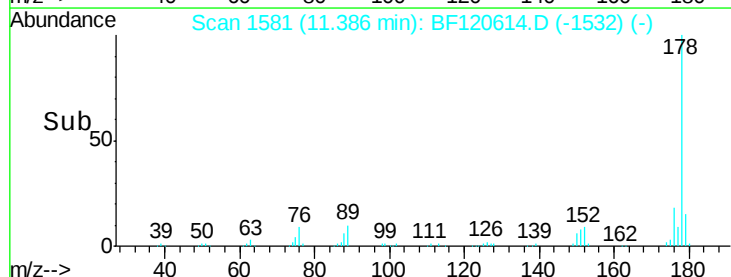
179 15.3 12.9 19.3

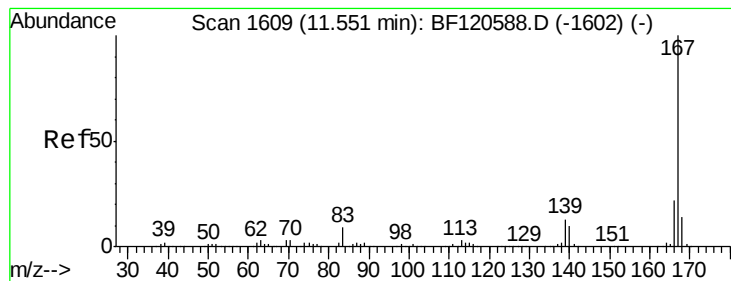


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 4.973 ng

RT: 11.55 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

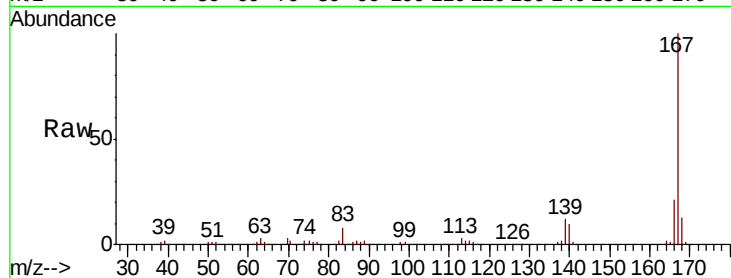
Tot Ion:167 Resp: 134847

Ion Ratio Lower Upper

167 100

166 21.0 17.2 25.8

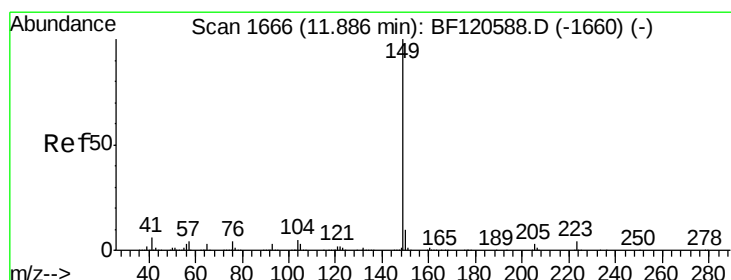
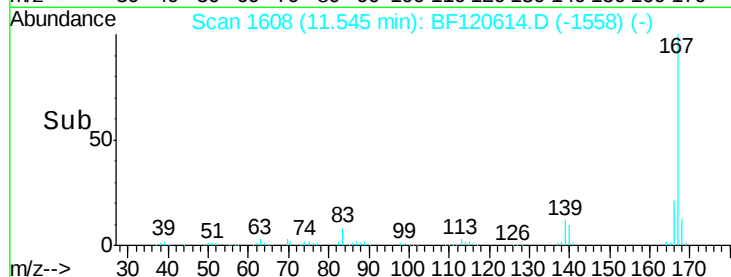
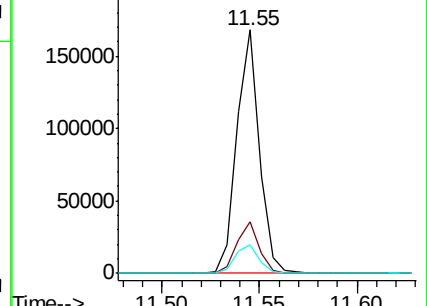
139 12.0 10.1 15.1



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: 5.185 ng

RT: 11.87 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

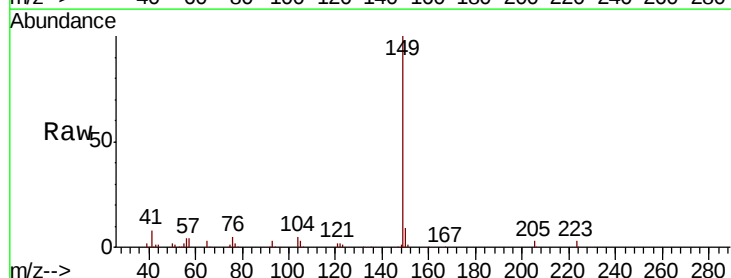
Tgt Ion:149 Resp: 158045

Ion Ratio Lower Upper

149 100

150 8.7 7.7 11.5

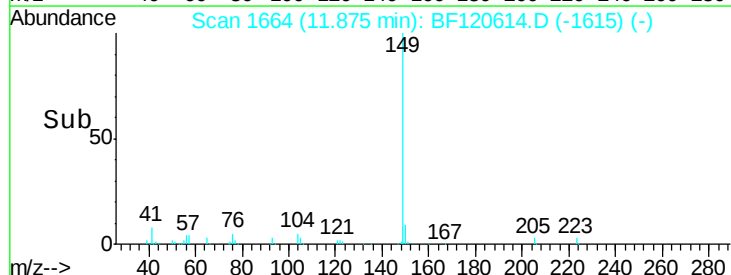
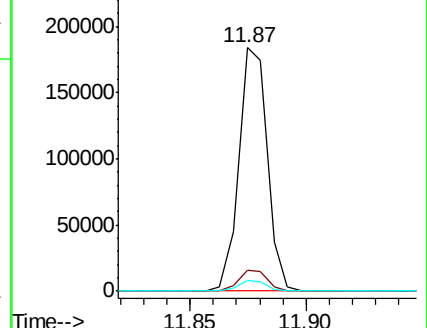
104 4.6 3.7 5.5

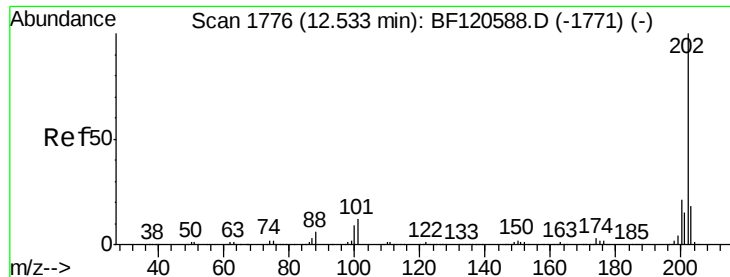


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

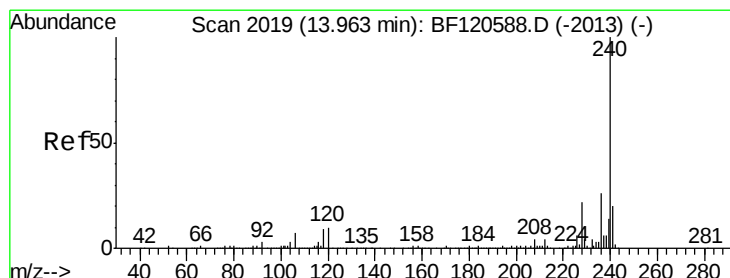
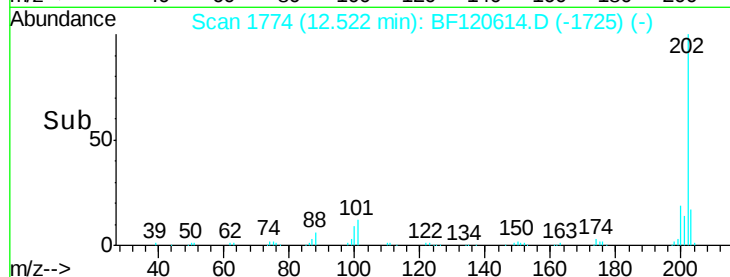
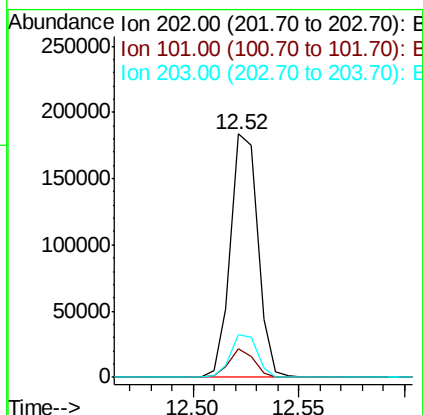
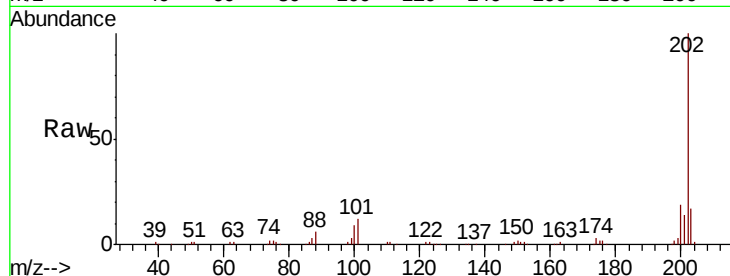




#75
 Fluoranthene
 Concen: 5.293 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

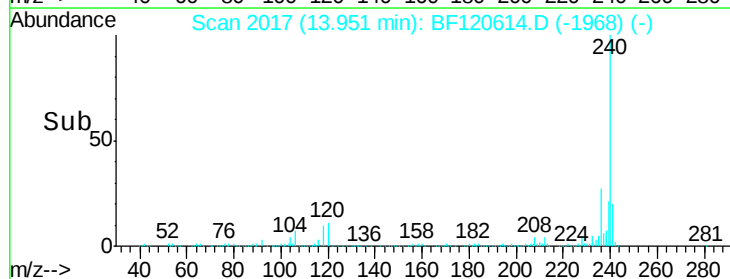
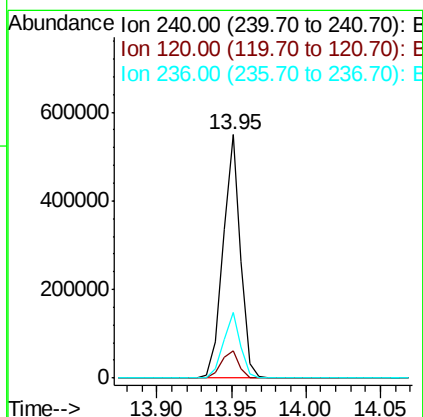
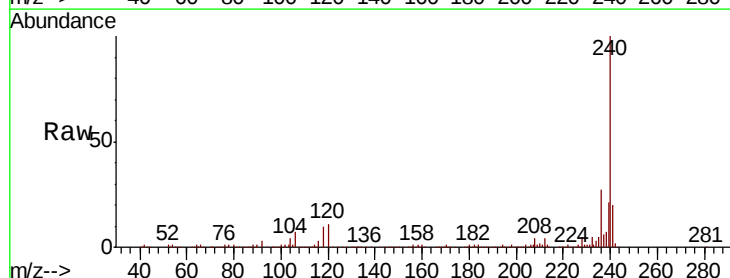
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

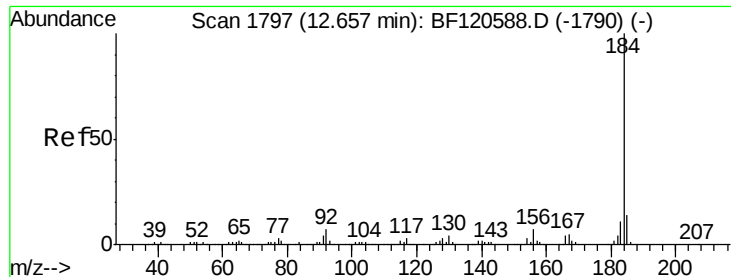
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.0
203	17.3	0.0	38.3



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.3	12.5
236	26.7	21.0	31.4





#77

Benzidine

Concen: 5.431 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

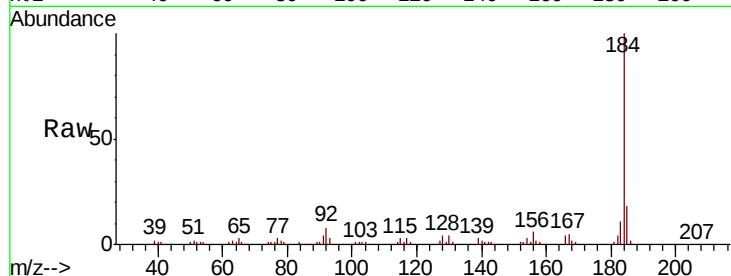
Tot Ion:184 Resp: 83013

Ion Ratio Lower Upper

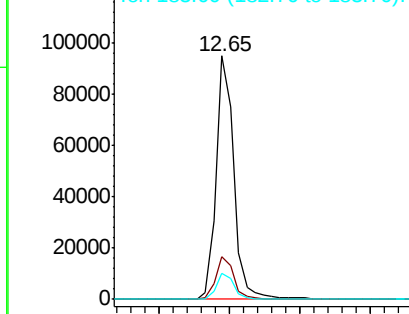
184 100

185 17.6 11.4 17.0#

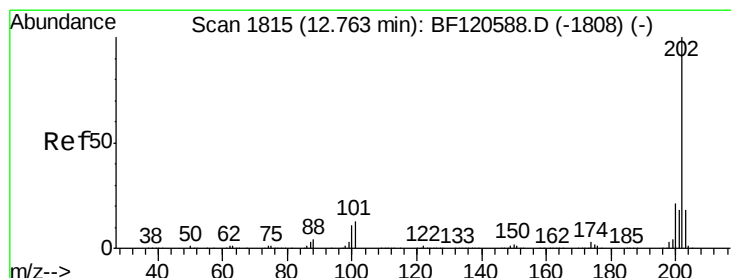
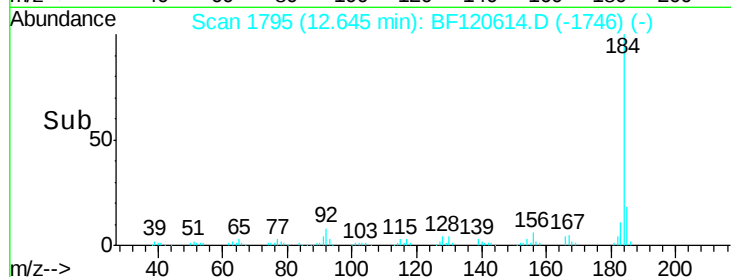
183 10.7 9.0 13.6



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



Time-->



#78

Pyrene

Concen: 5.193 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

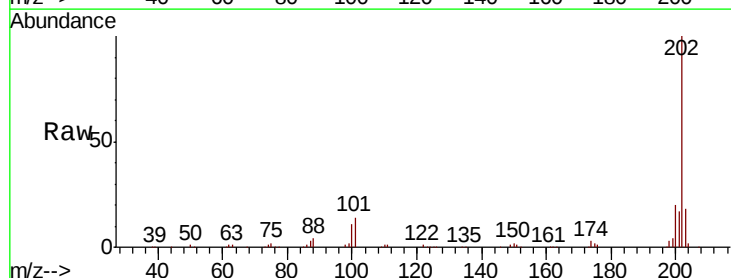
Tgt Ion:202 Resp: 166248

Ion Ratio Lower Upper

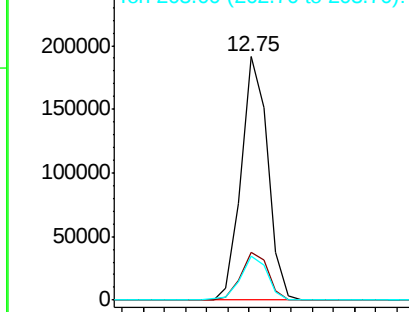
202 100

200 19.8 16.8 25.2

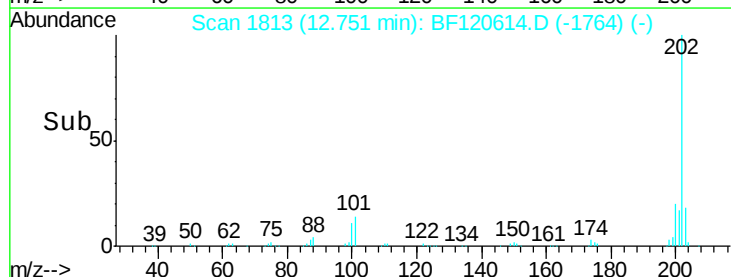
203 18.0 14.3 21.5



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



Time-->





#79

Terphenyl-d14

Concen: 100.194 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

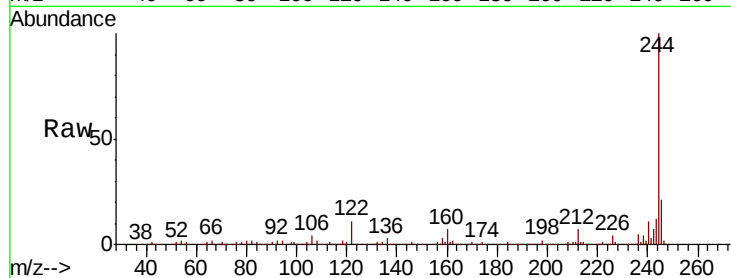
Tot Ion:244 Resp: 2049931

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

122 11.0 8.3 12.5

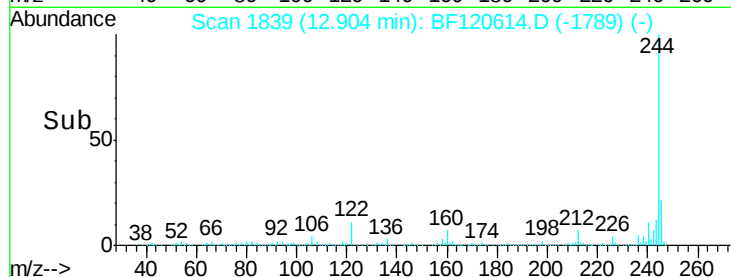


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



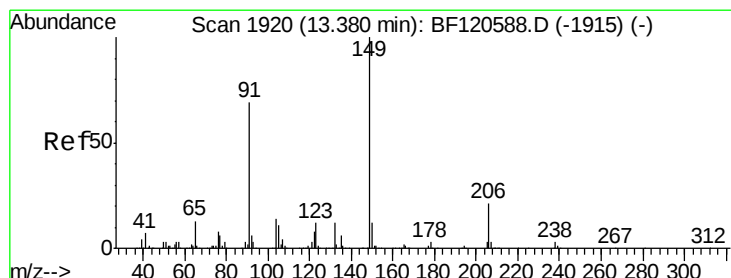
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



#80

Butylbenzylphthalate

Concen: 4.548 ng

RT: 13.37 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

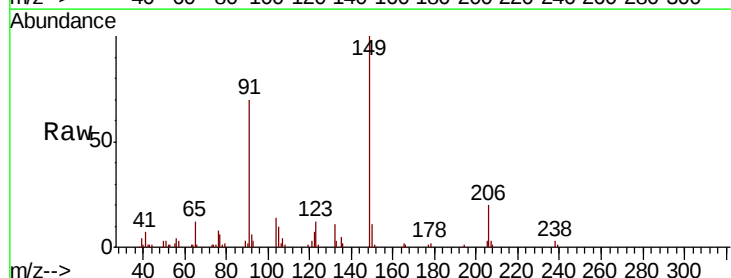
Tgt Ion:149 Resp: 64648

Ion Ratio Lower Upper

149 100

91 69.9 55.4 83.0

206 20.2 17.0 25.4

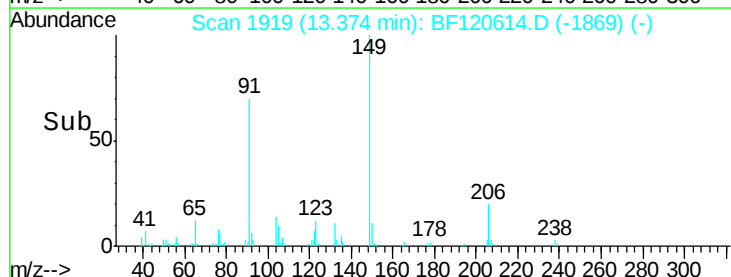


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

Time-->



Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

Time-->



#81

Benzo(a)anthracene

Concen: 5.705 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

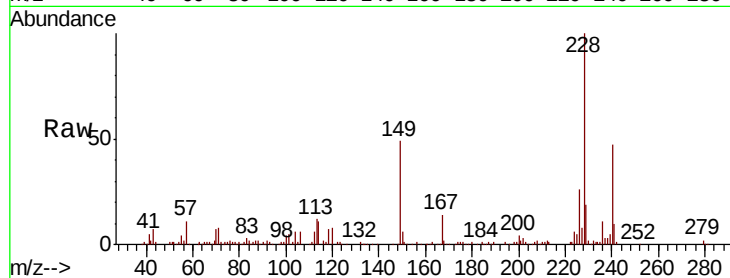
Tot Ion:228 Resp: 154902

Ion Ratio Lower Upper

228 100

226 26.3 22.5 33.7

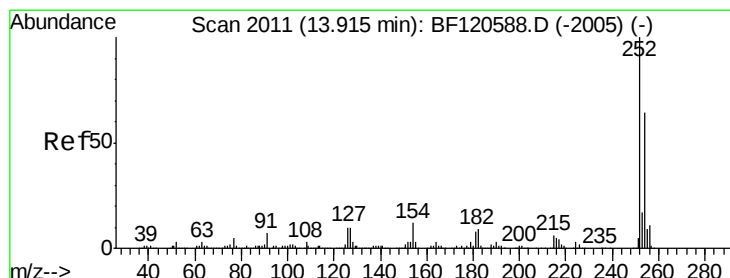
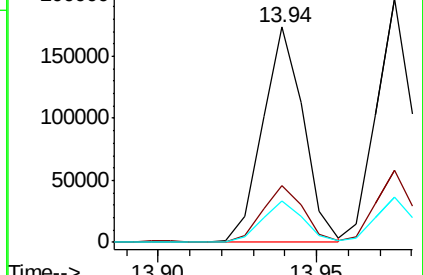
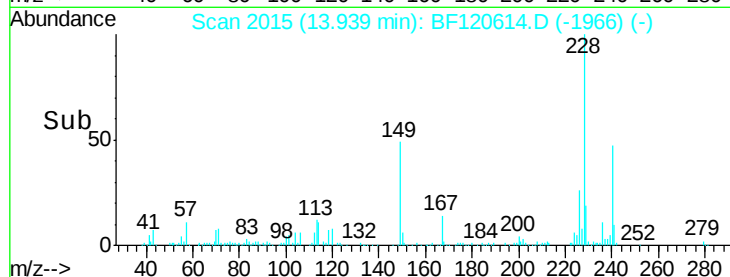
229 19.2 16.1 24.1



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: 5.626 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

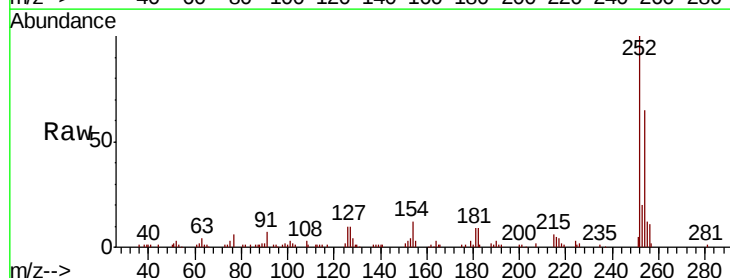
Tgt Ion:252 Resp: 58347

Ion Ratio Lower Upper

252 100

254 64.6 51.4 77.2

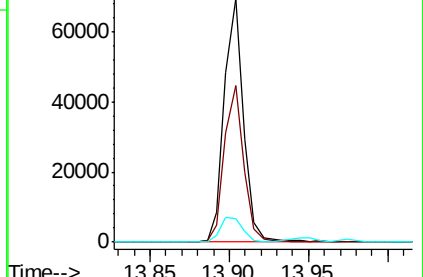
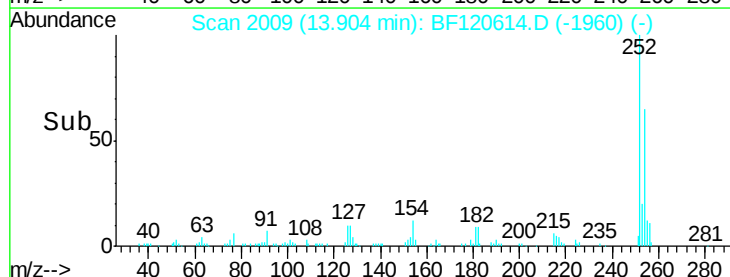
126 9.8 7.9 11.9

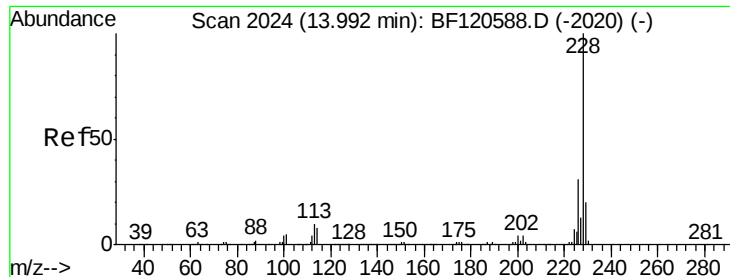


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

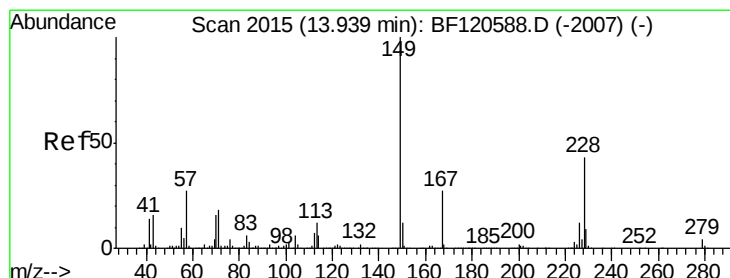
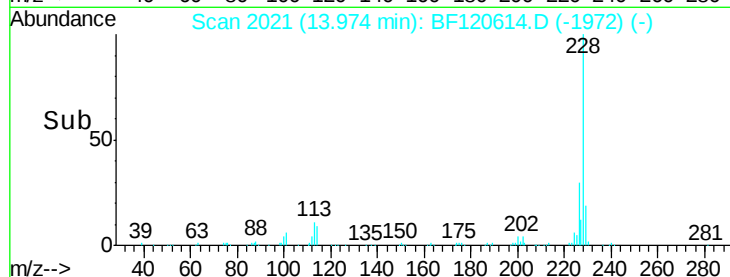
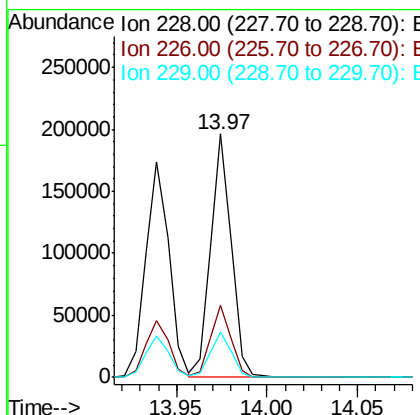
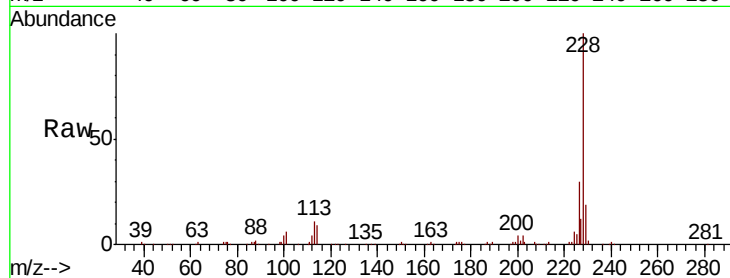




#83
 Chrysene
 Concen: 5.575 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

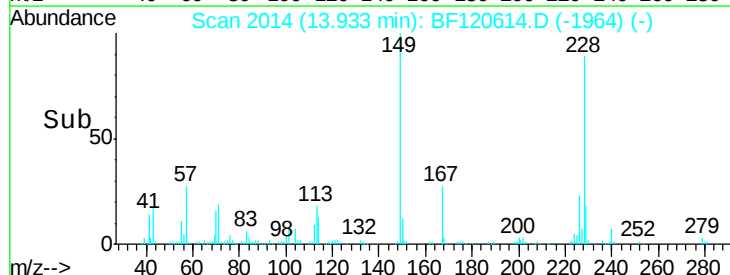
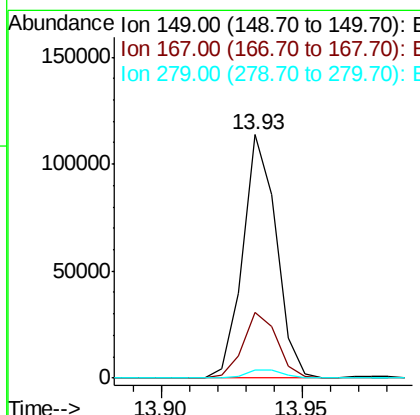
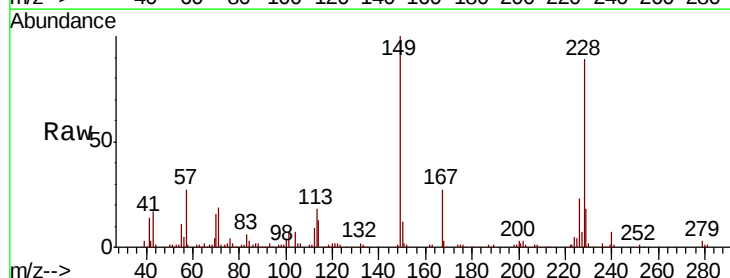
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion:228 Resp: 155276
 Ion Ratio Lower Upper
 228 100
 226 29.5 24.9 37.3
 229 18.8 16.1 24.1



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.387 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion:149 Resp: 93461
 Ion Ratio Lower Upper
 149 100
 167 27.2 22.0 33.0
 279 3.5 3.0 4.6

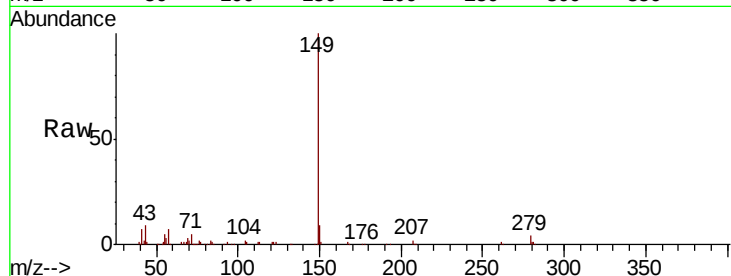




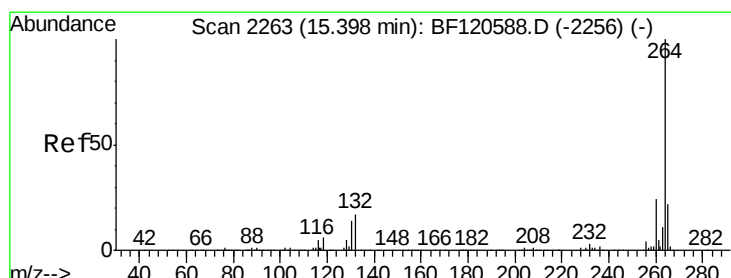
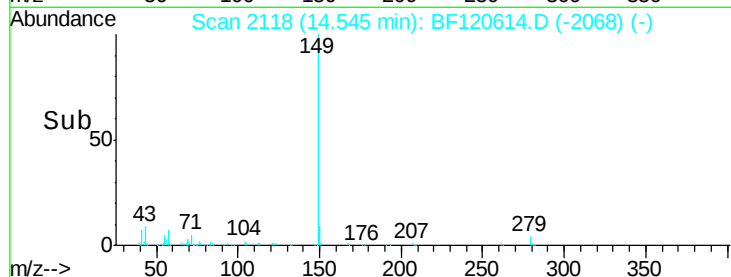
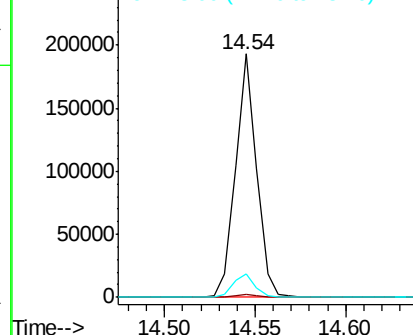
#85
Di-n-octyl phthalate
Concen: 4.734 ng
RT: 14.54 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

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

Tot Ion:149 Resp: 156746
Ion Ratio Lower Upper
149 100
167 1.4 1.3 1.9
43 10.2 7.6 11.4

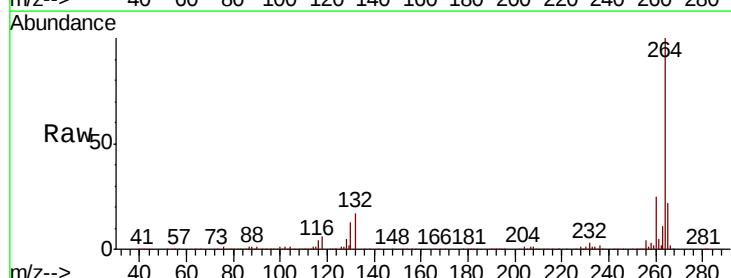


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

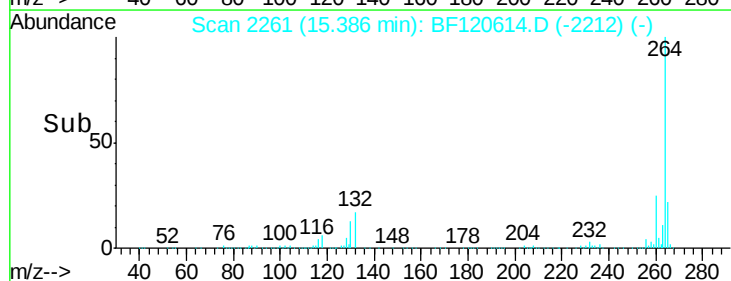
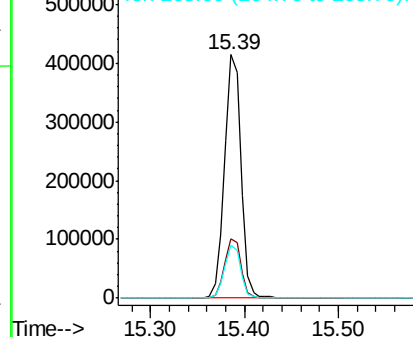


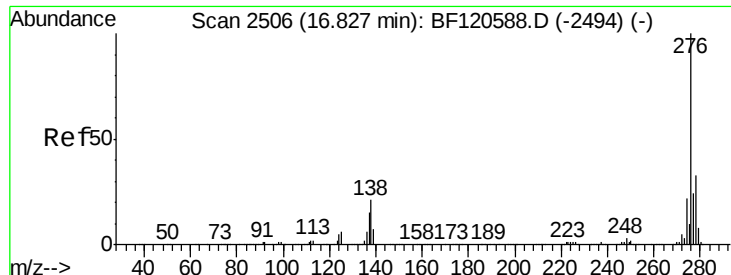
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion:264 Resp: 508082
Ion Ratio Lower Upper
264 100
260 24.6 19.3 28.9
265 21.7 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

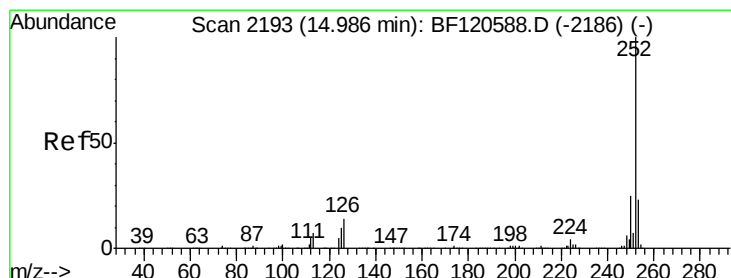
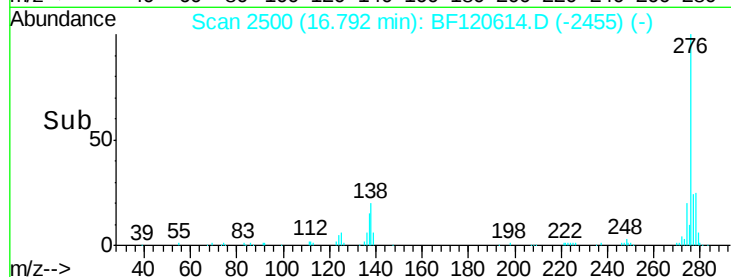
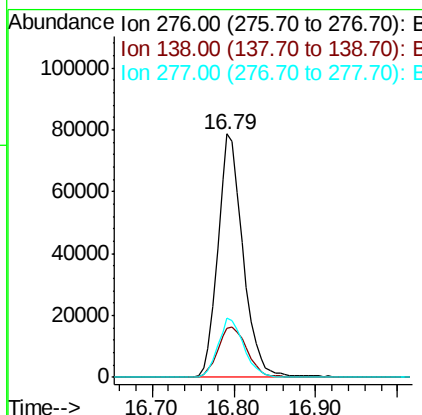
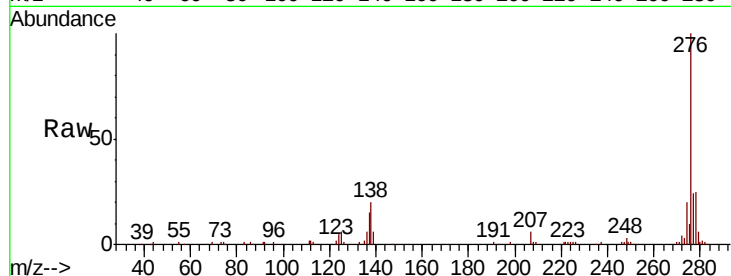




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.446 ng
 RT: 16.79 min Scan# 2500
 Delta R.T. -0.04 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

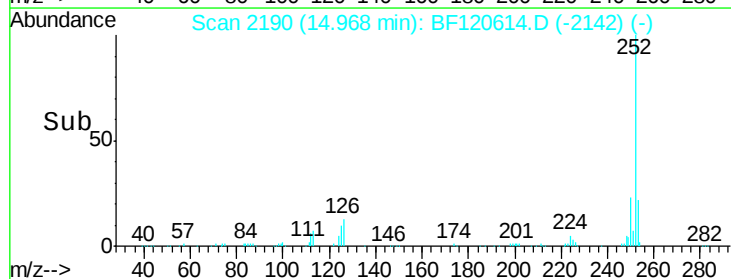
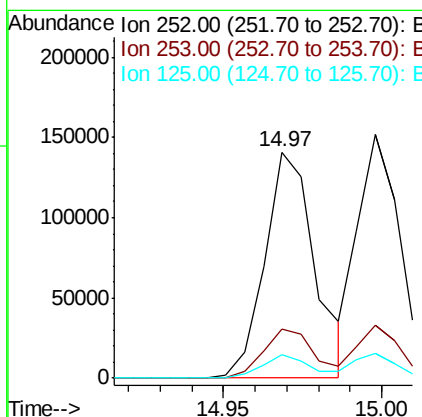
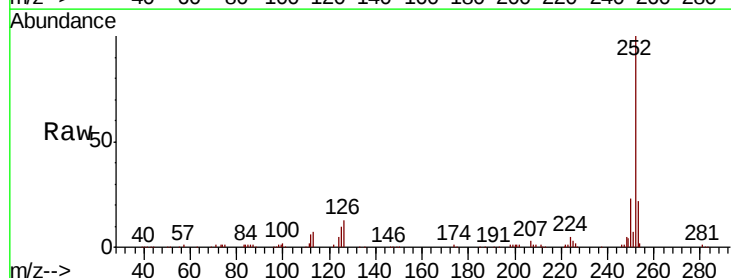
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

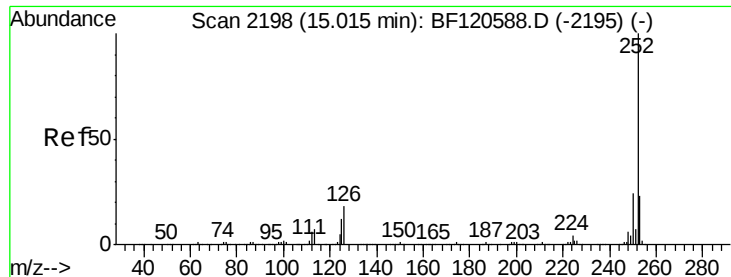
Tot Ion:276 Resp: 168318
 Ion Ratio Lower Upper
 276 100
 138 23.9 18.9 28.3
 277 24.4 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 5.119 ng
 RT: 14.97 min Scan# 2190
 Delta R.T. -0.02 min
 Lab File: BF120614.D
 Acq: 12 Jun 2020 16:53

Tgt Ion:252 Resp: 154918
 Ion Ratio Lower Upper
 252 100
 253 21.9 18.1 27.1
 125 10.1 8.3 12.5

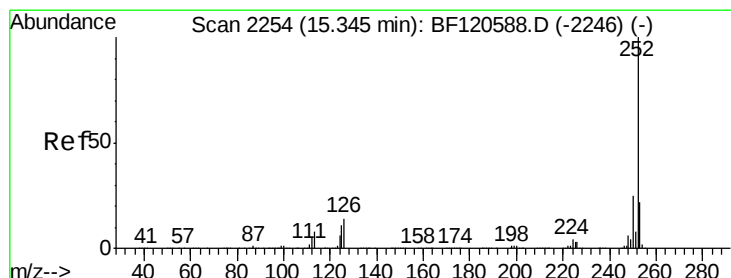
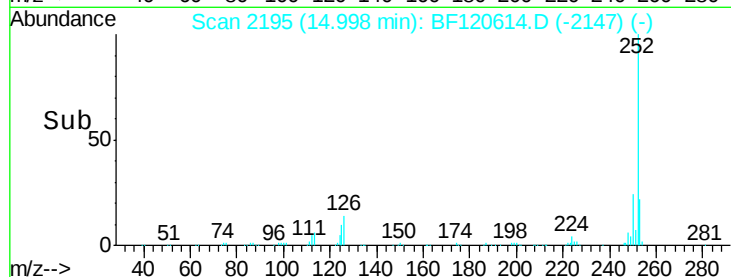
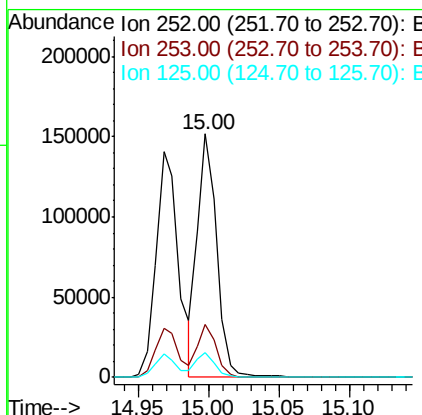
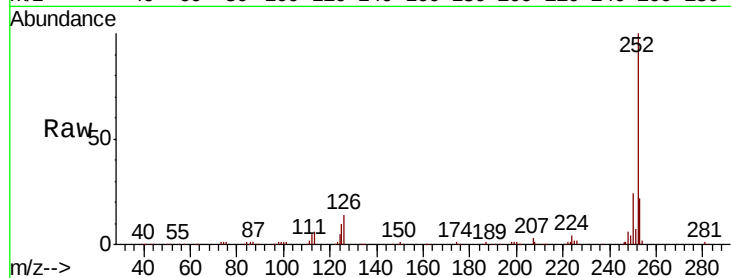




#89
Benzo(k)fluoranthene
Concen: 5.381 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

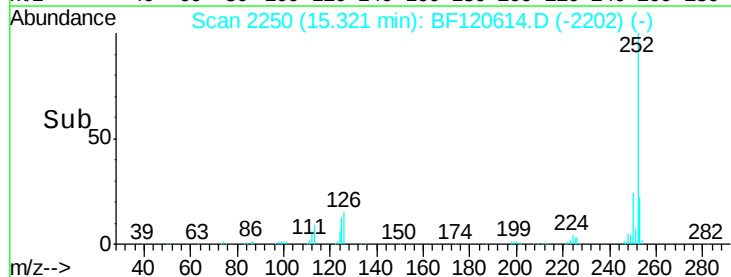
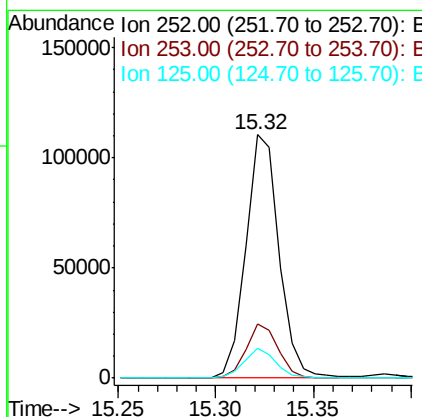
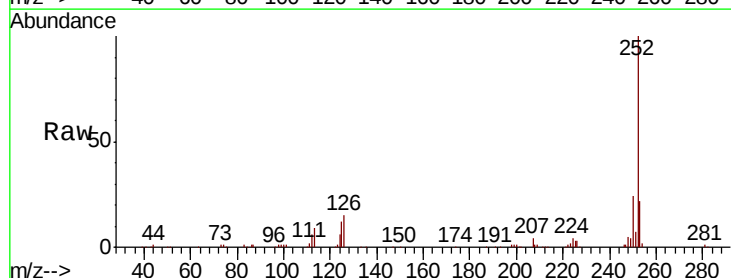
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

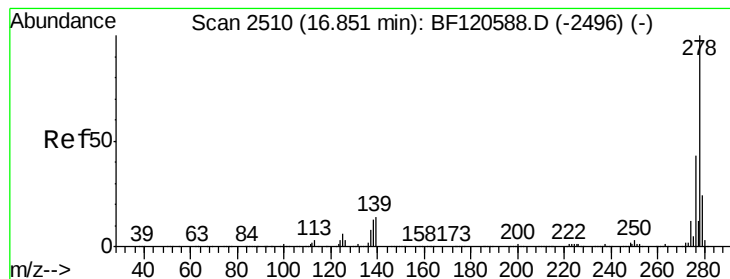
Tot Ion:252 Resp: 144108
Ion Ratio Lower Upper
252 100
253 21.7 18.0 27.0
125 9.9 8.3 12.5



#90
Benzo(a)pyrene
Concen: 4.807 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.02 min
Lab File: BF120614.D
Acq: 12 Jun 2020 16:53

Tgt Ion:252 Resp: 130197
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 12.5 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 5.617 ng

RT: 16.81 min Scan# 2503

Delta R.T. -0.04 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

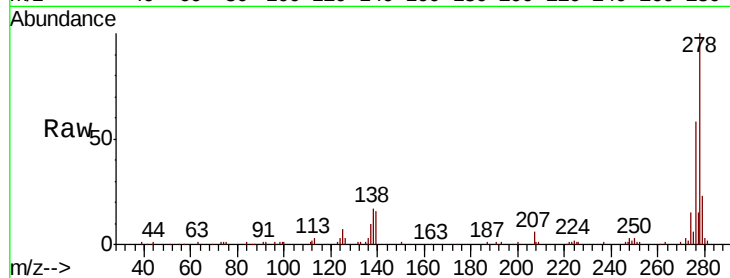
Tot Ion:278 Resp: 139210

Ion Ratio Lower Upper

278 100

139 15.7 11.4 17.2

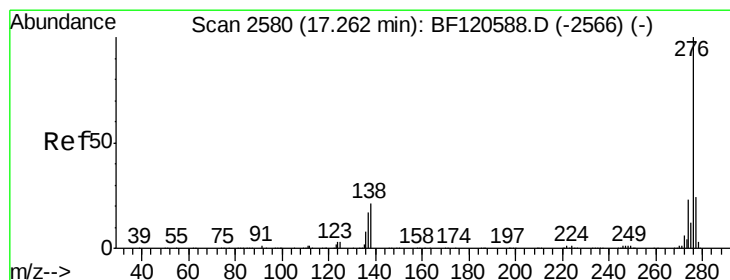
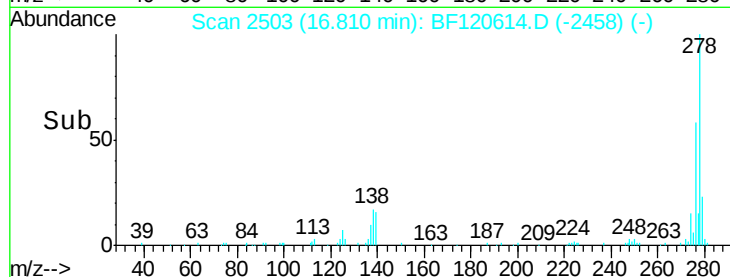
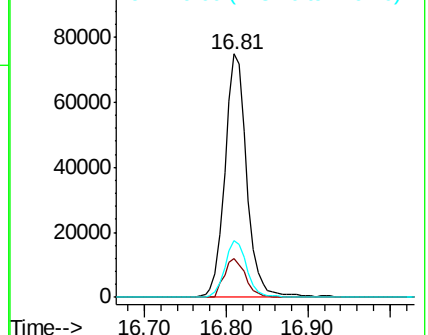
279 23.5 19.1 28.7



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: 5.757 ng

RT: 17.22 min Scan# 2573

Delta R.T. -0.04 min

Lab File: BF120614.D

Acq: 12 Jun 2020 16:53

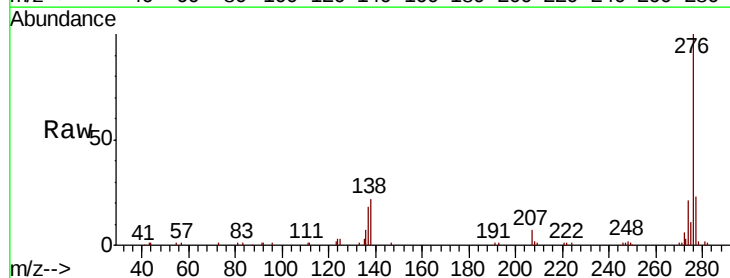
Tgt Ion:276 Resp: 143814

Ion Ratio Lower Upper

276 100

277 22.6 19.6 29.4

138 21.5 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

