

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061120\
 Data File : BF120599.D
 Acq On : 11 Jun 2020 13:32
 Operator : JU/CG
 Sample : L1161-01
 Misc : LOD-MDL-SOIL-5PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Quant Time: Jun 11 14:12:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	147006	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	538051	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	259712	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	511172	20.00	ng	0.00
76) Chrysene-d12	13.96	240	290366	20.00	ng	0.00
86) Perylene-d12	15.40	264	325909	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1189014	138.67	ng	0.00
7) Phenol-d6	6.43	99	1482839	138.85	ng	0.00
23) Nitrobenzene-d5	7.36	82	945137	98.19	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	453822	150.30	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1585203	93.39	ng	0.00
79) Terphenyl-d14	12.91	244	1934227	147.14	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.48	88	19015	4.679	ng	99
3) Pyridine	3.29	79	34377	3.009	ng	98
4) n-Nitrosodimethylamine	3.15	42	20743	4.375	ng	# 94
6) Aniline	6.46	93	67829	4.963	ng	100
8) 2-Chlorophenol	6.59	128	46400	4.789	ng	97
9) Benzaldehyde	6.35	77	39449	5.840	ng	92
10) Phenol	6.45	94	60438	5.304	ng	94
11) bis(2-Chloroethyl)ether	6.53	93	46705	4.921	ng	99
12) 1,3-Dichlorobenzene	6.74	146	51307	4.981	ng	97
13) 1,4-Dichlorobenzene	6.82	146	51701	5.087	ng	97
14) 1,2-Dichlorobenzene	6.97	146	49008	4.950	ng	99
15) Benzyl Alcohol	6.93	79	49044	6.476	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.07	45	67380	4.931	ng	100
17) 2-Methylphenol	7.05	107	36774	4.450	ng	98
18) Hexachloroethane	7.31	117	18214	4.864	ng	90
19) n-Nitroso-di-n-propylamine	7.20	70	32496	5.246	ng	99
20) 3+4-Methylphenols	7.20	107	46664	4.519	ng	# 75
22) Acetophenone	7.20	105	68940	5.731	ng	96
24) Nitrobenzene	7.38	77	50954	5.058	ng	99
25) Isophorone	7.62	82	88850	4.739	ng	97
26) 2-Nitrophenol	7.69	139	21612	4.056	ng	99
27) 2,4-Dimethylphenol	7.73	122	24807	3.162	ng	95
28) bis(2-Chloroethoxy)methane	7.83	93	57107	5.254	ng	99
29) 2,4-Dichlorophenol	7.94	162	36605	4.589	ng	98
30) 1,2,4-Trichlorobenzene	8.02	180	43046	4.870	ng	95
31) Naphthalene	8.10	128	143349	5.426	ng	98
33) 4-Chloroaniline	8.15	127	56710	4.676	ng	98
34) Hexachlorobutadiene	8.22	225	25115	4.875	ng	99
35) Caprolactam	8.48	113	12615	4.945	ng	99
36) 4-Chloro-3-methylphenol	8.63	107	38986	4.893	ng	96
37) 2-Methylnaphthalene	8.79	142	93979	5.449	ng	98
38) 1-Methylnaphthalene	8.89	142	84719	5.220	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	42062	5.424	ng	100
41) Hexachlorocyclopentadiene	8.95	237	14457	3.327	ng	95

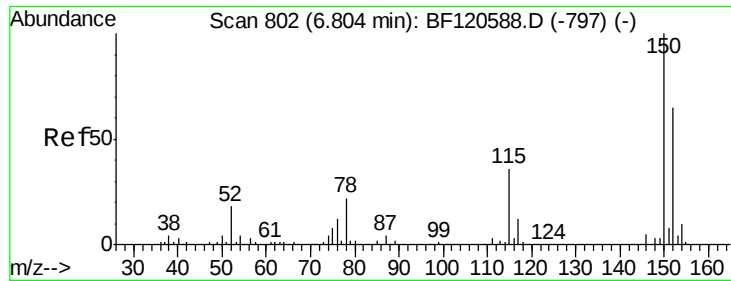
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061120\
 Data File : BF120599.D
 Acq On : 11 Jun 2020 13:32
 Operator : JU/CG
 Sample : L1161-01
 Misc : LOD-MDL-SOIL-5PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Jun 11 14:12:59 2020
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	9.07	196	23566	4.284	nq	96
44) 2,4,5-Trichlorophenol	9.11	196	26031	4.171	nq	97
46) 1,1'-Biphenyl	9.26	154	115025	5.931	nq	97
47) 2-Chloronaphthalene	9.28	162	81849	5.161	nq	98
48) 2-Nitroaniline	9.37	65	20170	4.050	nq	97
49) Acenaphthylene	9.69	152	129991	5.311	nq	99
50) Dimethylphthalate	9.55	163	95035	5.081	nq	98
51) 2,6-Dinitrotoluene	9.61	165	17893	4.221	nq	94
52) Acenaphthene	9.86	154	77655	5.320	nq	97
53) 3-Nitroaniline	9.78	138	20665	4.059	nq	95
55) Dibenzofuran	10.04	168	125164	5.592	nq	97
56) 4-Nitrophenol	9.95	139	13926	3.632	nq	99
57) 2,4-Dinitrotoluene	10.02	165	23476	4.174	nq	95
58) Fluorene	10.38	166	94778	5.493	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.16	232	21645	4.408	nq	# 98
60) Diethylphthalate	10.25	149	94905	5.152	nq	99
61) 4-Chlorophenyl-phenylether	10.37	204	47687	5.352	nq	93
62) 4-Nitroaniline	10.39	138	20121	3.981	nq	99
63) Azobenzene	10.53	77	88426	5.288	nq	97
65) 4,6-Dinitro-2-methylphenol	10.42	198	8673	2.828	nq	99
66) n-Nitrosodiphenylamine	10.49	169	81080	5.165	nq	99
67) 4-Bromophenyl-phenylether	10.86	248	28229	4.866	nq	95
68) Hexachlorobenzene	10.93	284	32476	5.207	nq	96
69) Atrazine	11.02	200	27000	5.558	nq	98
70) Pentachlorophenol	11.13	266	9918	2.860	nq	98
71) Phenanthrene	11.34	178	137307	5.404	nq	98
72) Anthracene	11.39	178	139860	5.461	nq	98
73) Carbazole	11.55	167	125508	4.950	nq	99
74) Di-n-butylphthalate	11.88	149	146935	5.155	nq	99
75) Fluoranthene	12.53	202	158767	5.465	nq	98
77) Benzidine	12.91	184	24568	2.502	nq	96
78) Pyrene	12.76	202	165654	8.053	nq	98
80) Butylbenzylphthalate	13.37	149	59071	6.467	nq	96
81) Benzo(a)anthracene	13.94	228	99369	5.696	nq	98
82) 3,3'-Dichlorobenzidine	13.91	252	37993	5.702	nq	99
83) Chrysene	13.98	228	98895	5.527	nq	96
84) Bis(2-ethylhexyl)phthalate	13.94	149	61573	5.524	nq	99
85) Di-n-octyl phthalate	14.55	149	102377	4.812	nq	99
87) Indeno(1,2,3-cd)pyrene	16.81	276	106093	5.352	nq	99
88) Benzo(b)fluoranthene	14.97	252	97290	5.011	nq	98
89) Benzo(k)fluoranthene	15.00	252	92088	5.361	nq	99
90) Benzo(a)pyrene	15.33	252	85933	4.946	nq	97
91) Dibenzo(a,h)anthracene	16.82	278	89177	5.610	nq	98
92) Benzo(g,h,i)perylene	17.23	276	90130	5.625	nq	99

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

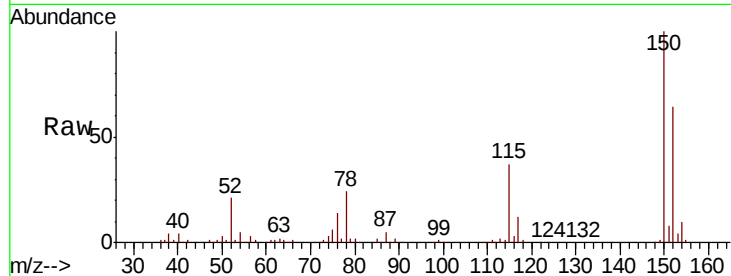


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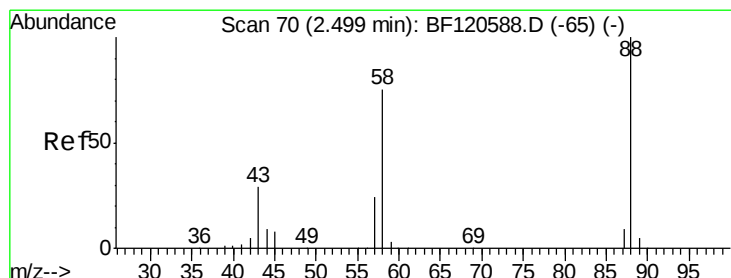
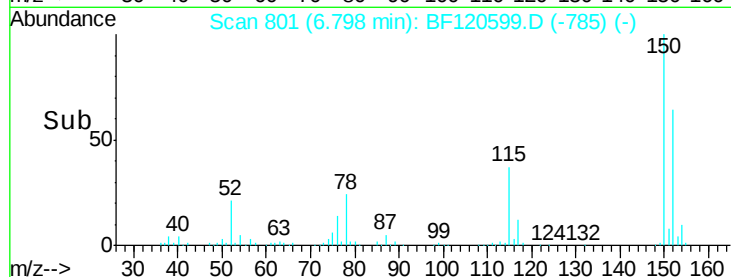
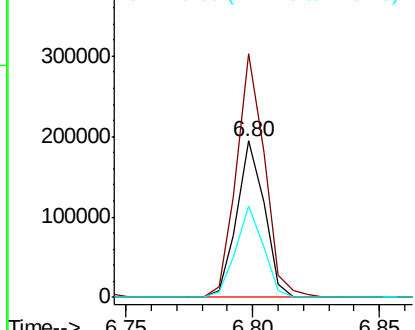
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:152 Resp: 147006
Ion Ratio Lower Upper
152 100
150 155.8 123.2 184.8
115 58.2 43.9 65.9



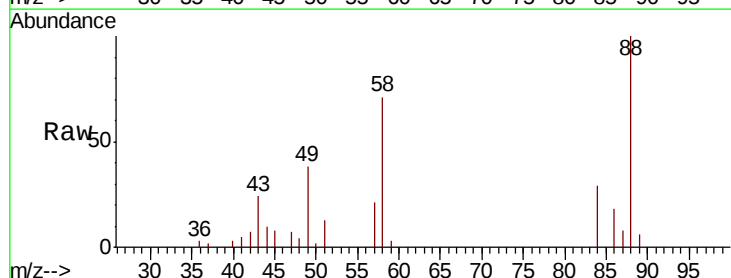
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



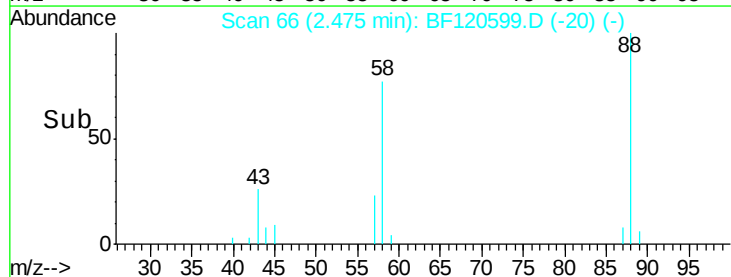
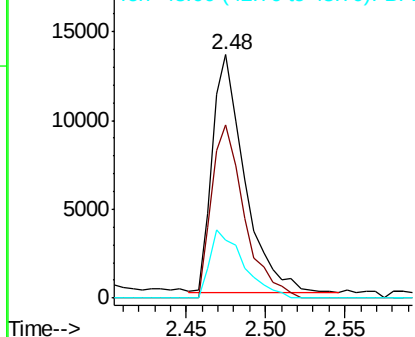
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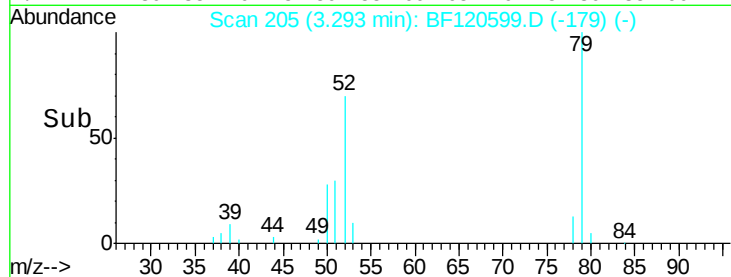
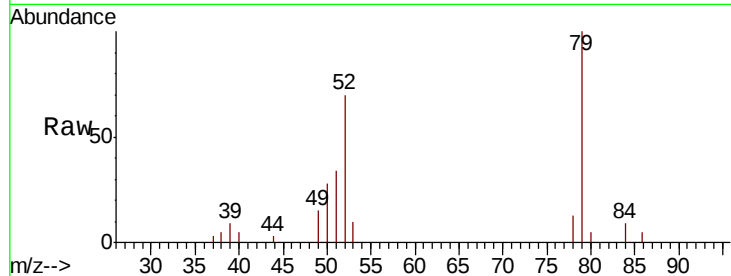
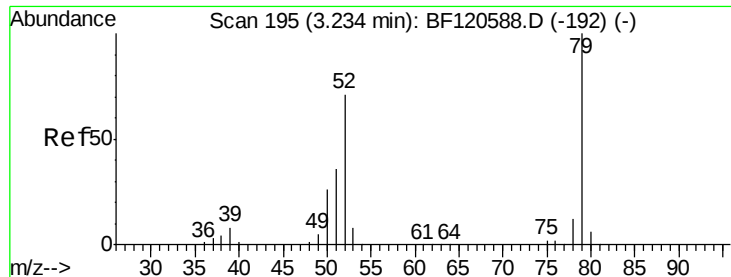
1,4-Dioxane
Concen: 4.679 ng
RT: 2.48 min Scan# 66
Delta R.T. -0.03 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion: 88 Resp: 19015
Ion Ratio Lower Upper
88 100
58 73.9 59.6 89.4
43 30.0 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

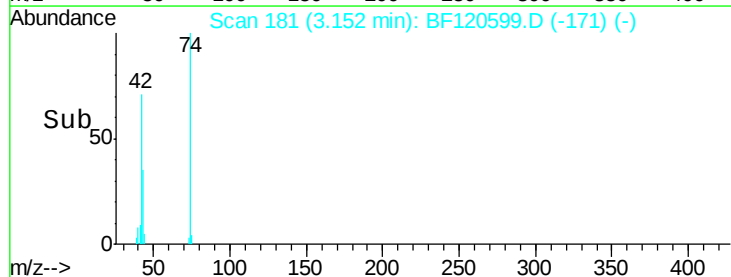
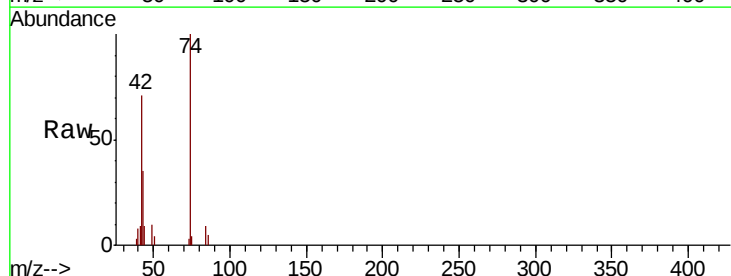
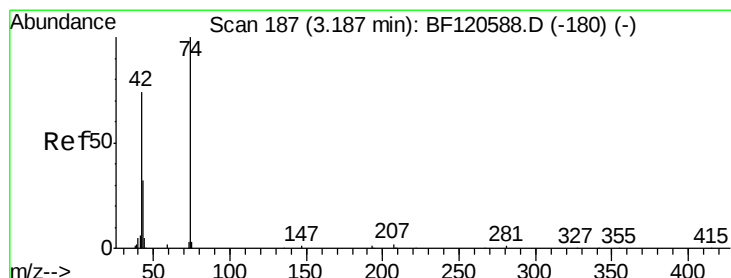
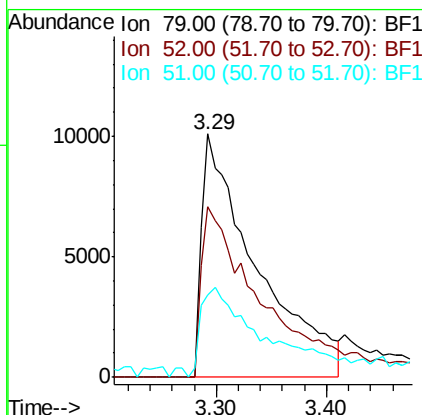




#3
Pvridine
Concen: 3.009 ng
RT: 3.29 min Scan# 205
Delta R.T. 0.05 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

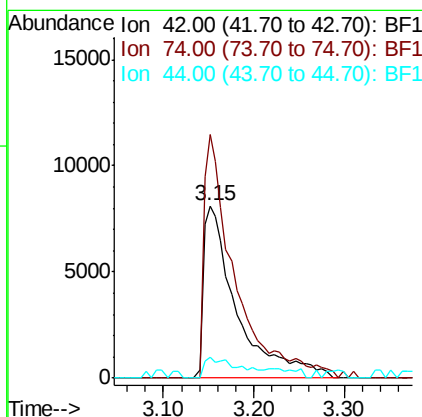
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

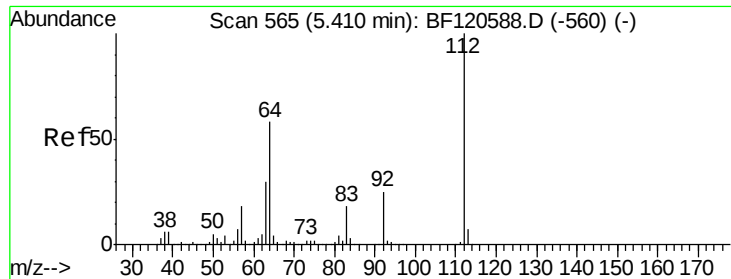
Tot Ion: 79 Resp: 34377
Ion Ratio Lower Upper
79 100
52 70.3 57.0 85.6
51 33.6 28.5 42.7



#4
n-Nitrosodimethylamine
Concen: 4.375 ng
RT: 3.15 min Scan# 181
Delta R.T. -0.04 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion: 42 Resp: 20743
Ion Ratio Lower Upper
42 100
74 141.5 107.8 161.6
44 12.1 5.1 7.7#





#5

2-Fluorophenol

Concen: 138.668 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

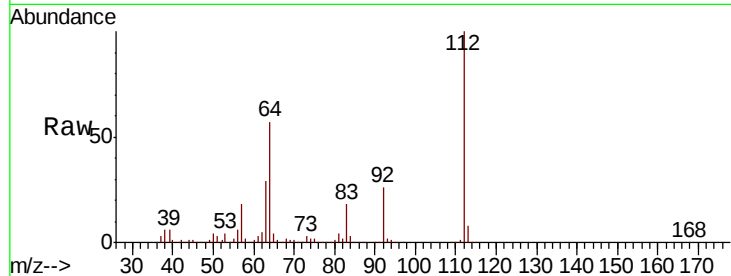
Tot Ion:112 Resp: 1189014

Ion Ratio Lower Upper

112 100

64 57.1 46.1 69.1

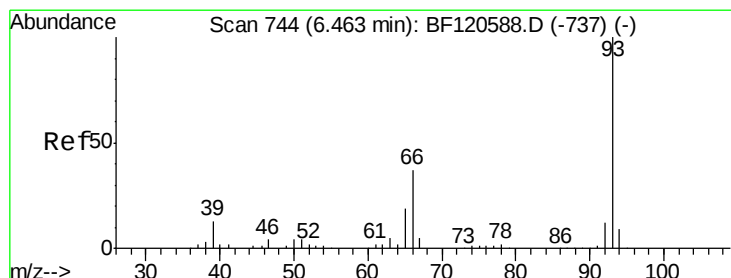
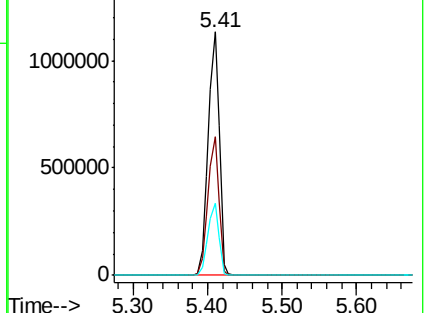
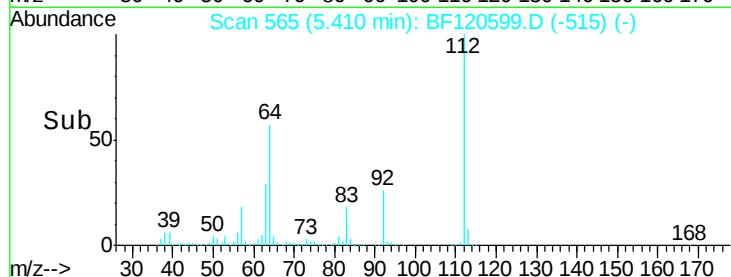
63 29.4 23.7 35.5



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: 4.963 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

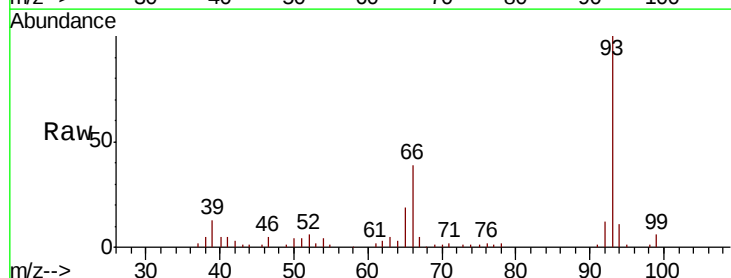
Tgt Ion: 93 Resp: 67829

Ion Ratio Lower Upper

93 100

66 38.7 30.9 46.3

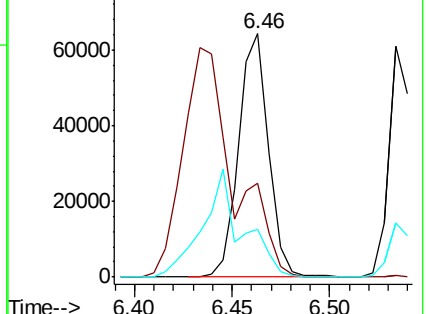
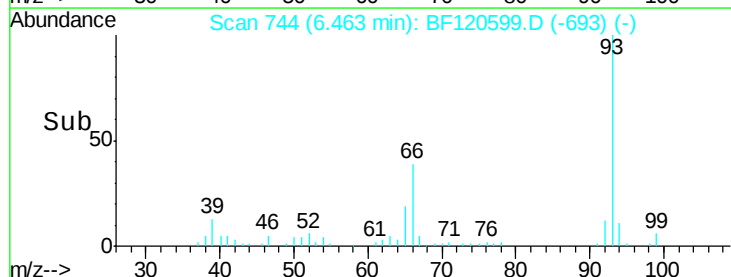
65 19.5 15.9 23.9

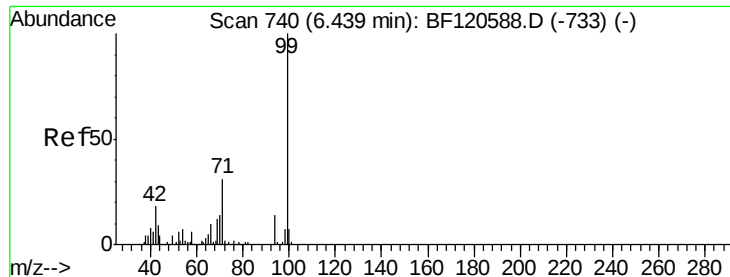


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 138.849 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

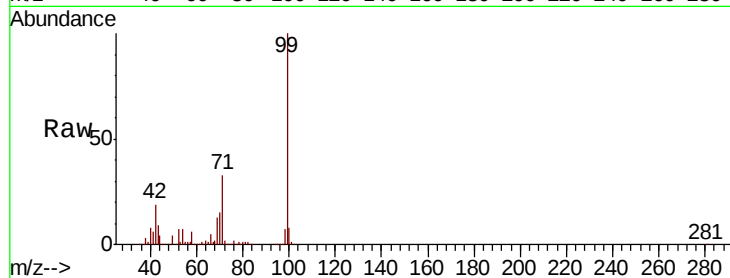
Tot Ion: 99 Resp: 1482839

Ion Ratio Lower Upper

99 100

42 19.0 14.0 21.0

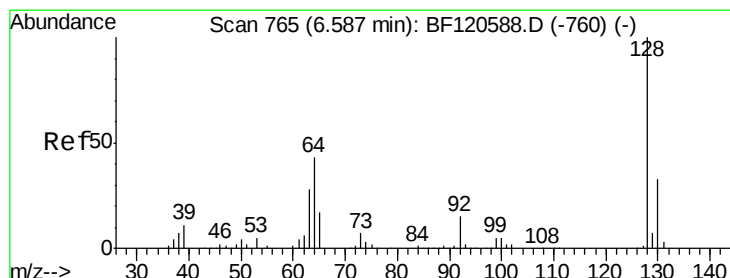
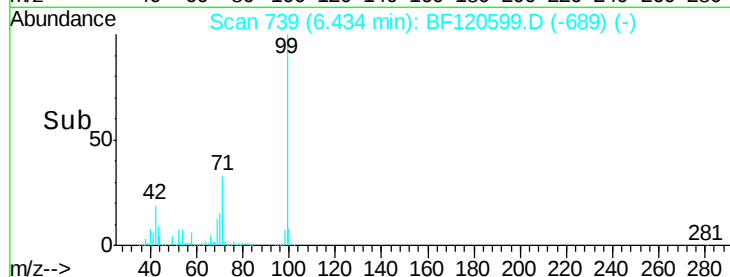
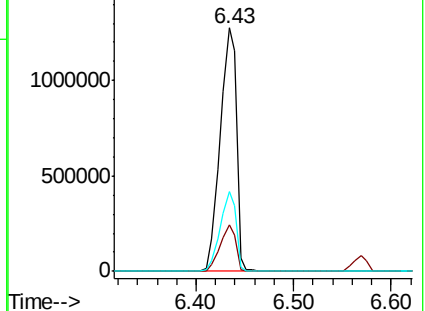
71 32.9 24.9 37.3



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: 4.789 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

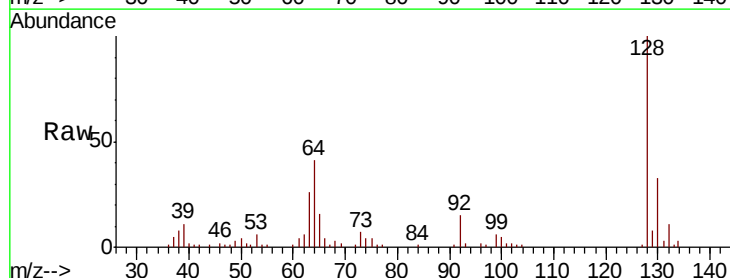
Tgt Ion:128 Resp: 46400

Ion Ratio Lower Upper

128 100

130 32.7 12.6 52.6

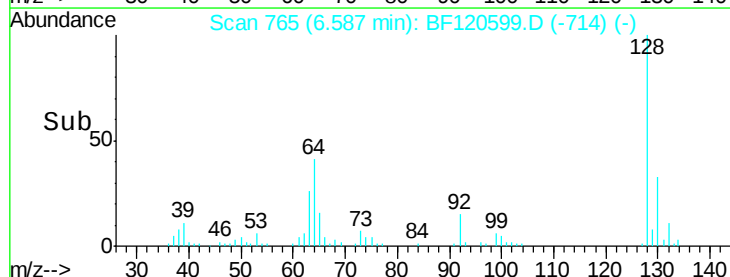
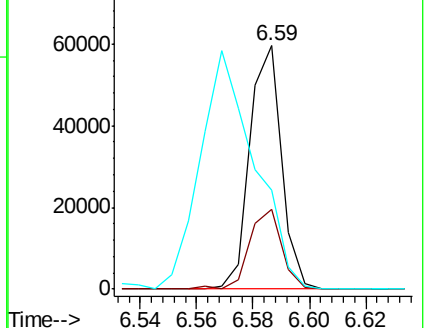
64 40.8 24.3 64.3

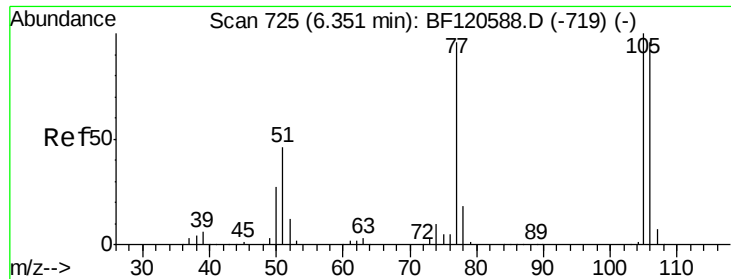


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1

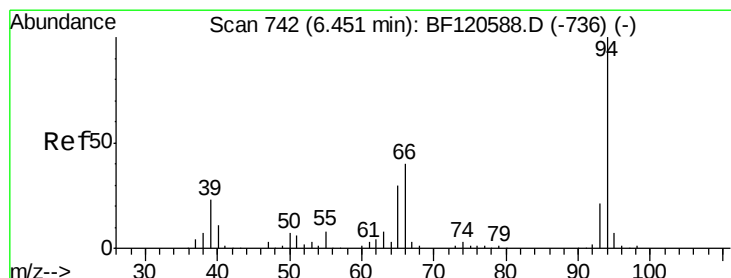
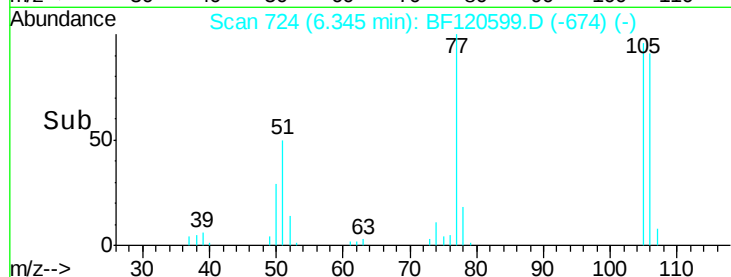
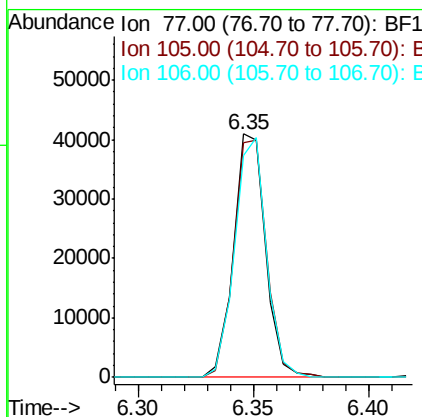
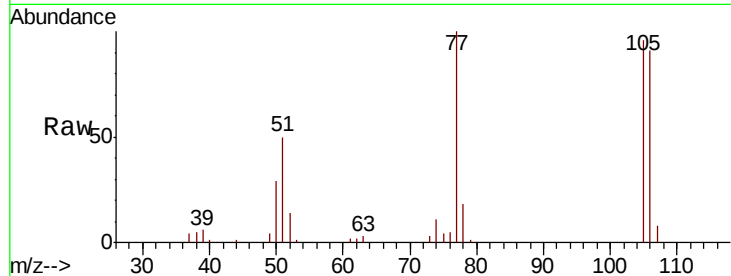




#9
Benzaldehyde
Concen: 5.840 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

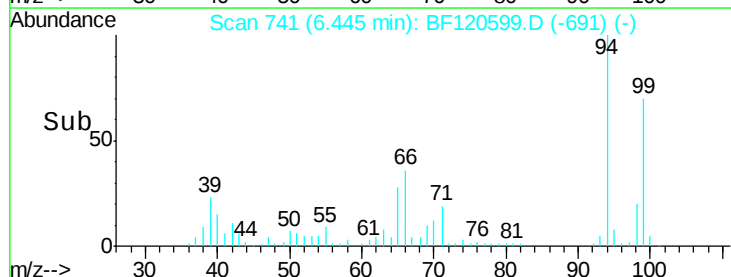
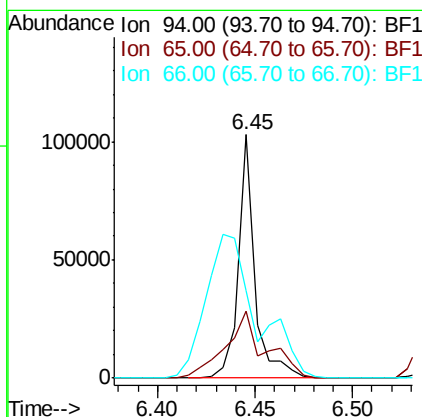
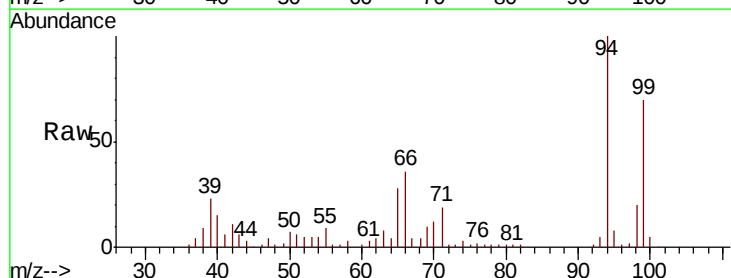
Instrument :
BNA_F
ClientSampleID :
LOD-MDL-SOIL-01-QT1-2020

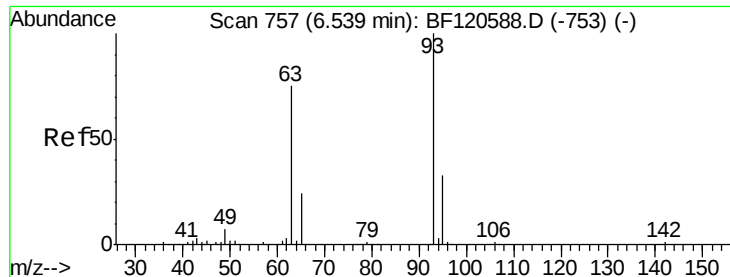
Tot Ion: 77 Resp: 39449
Ion Ratio Lower Upper
77 100
105 96.1 83.8 123.8
106 91.3 79.3 119.3



#10
Phenol
Concen: 5.304 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion: 94 Resp: 60438
Ion Ratio Lower Upper
94 100
65 27.6 9.9 49.9
66 35.8 20.1 60.1

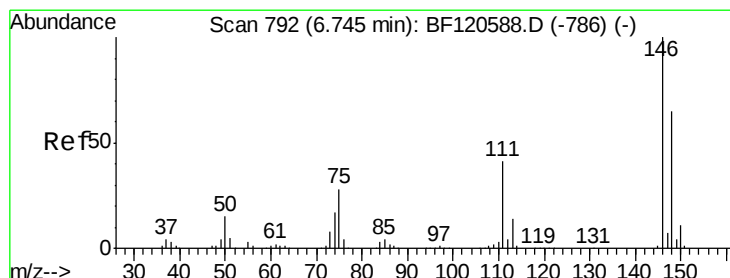
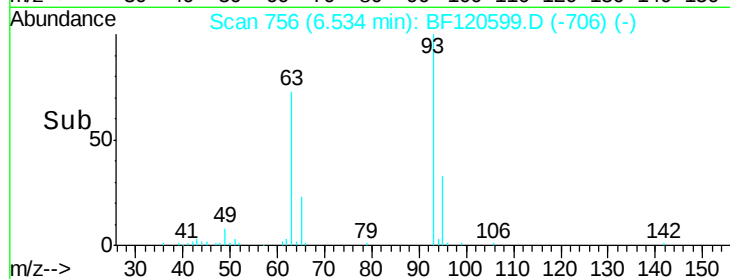
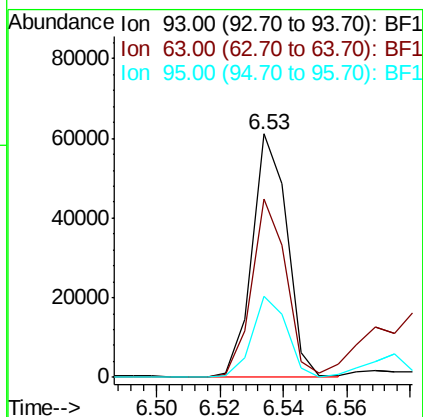
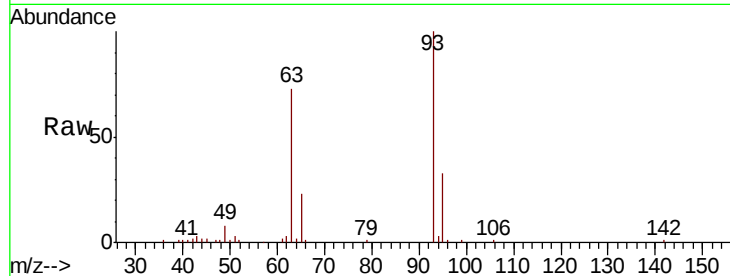




#11
bis(2-Chloroethyl)ether
Concen: 4.921 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

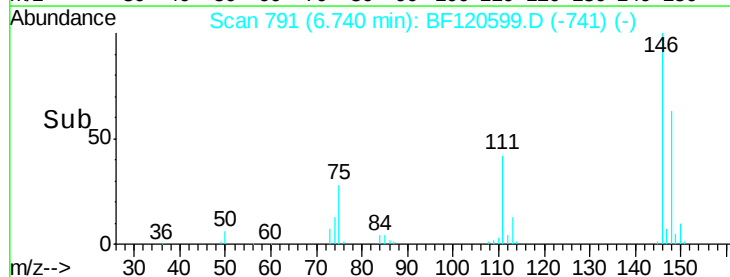
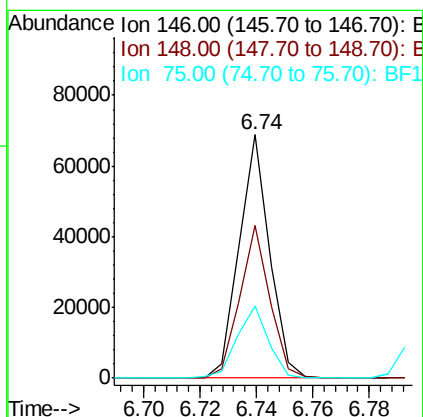
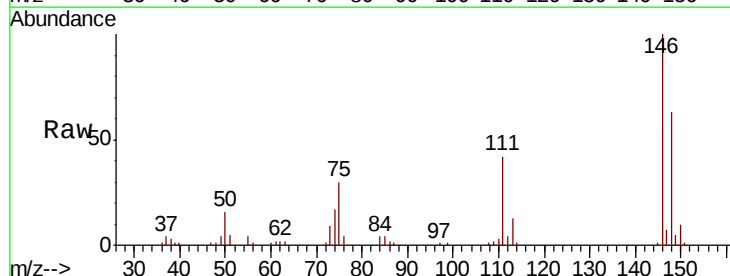
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

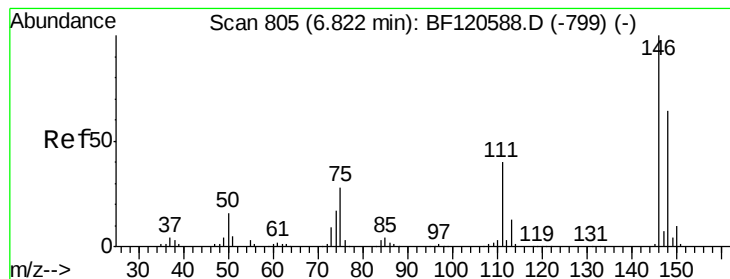
Tot Ion	Ratio	Lower	Upper
93	100		
63	73.5	54.4	94.4
95	33.5	12.9	52.9



#12
1,3-Dichlorobenzene
Concen: 4.981 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.8	77.6
75	29.8	22.2	33.4





#13

1,4-Dichlorobenzene

Concen: 5.087 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

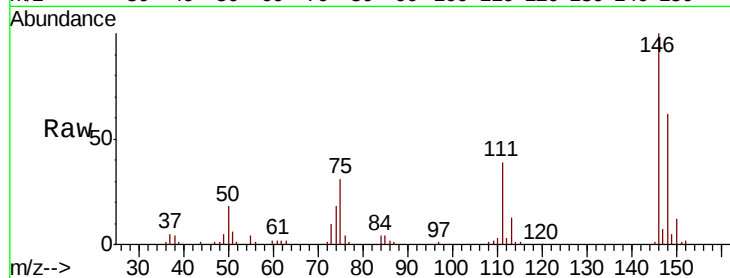
Tot Ion:146 Resp: 51701

Ion Ratio Lower Upper

146 100

148 61.8 51.5 77.3

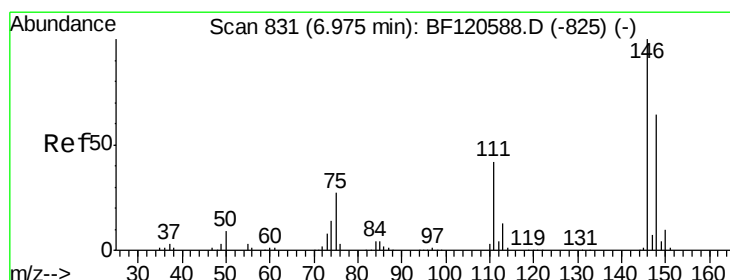
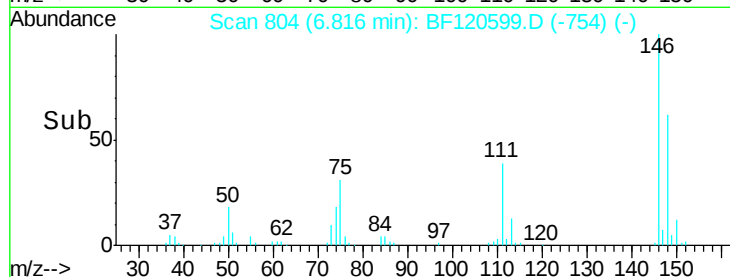
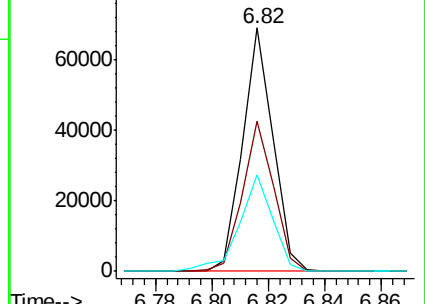
111 39.5 32.2 48.4



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: 4.950 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

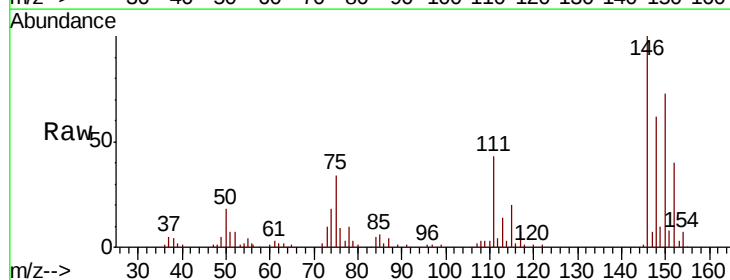
Tgt Ion:146 Resp: 49008

Ion Ratio Lower Upper

146 100

148 62.4 50.8 76.2

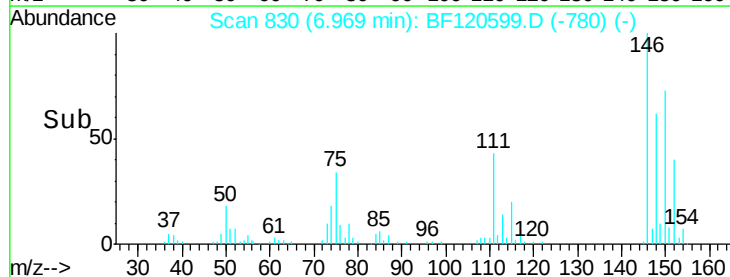
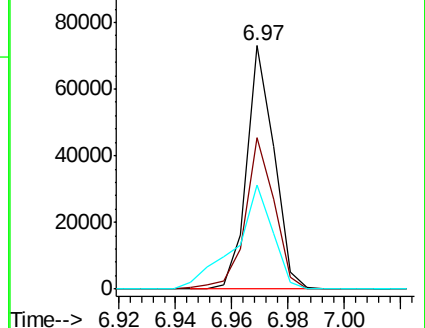
111 42.9 33.6 50.4

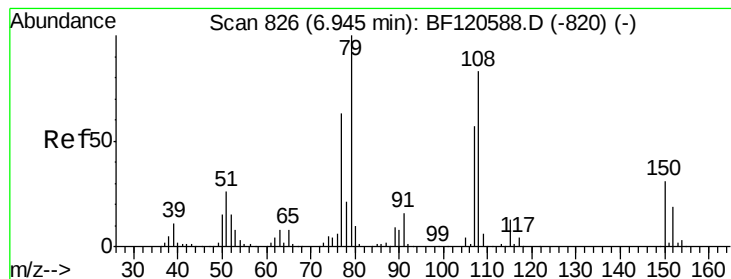


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 6.476 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

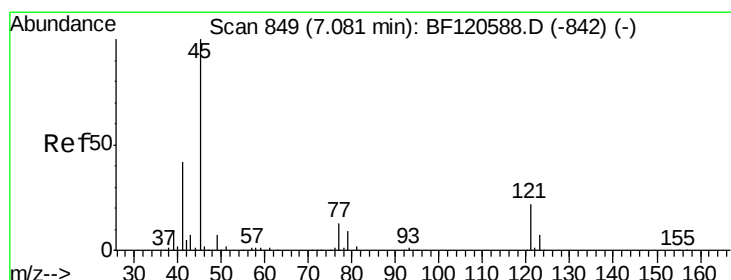
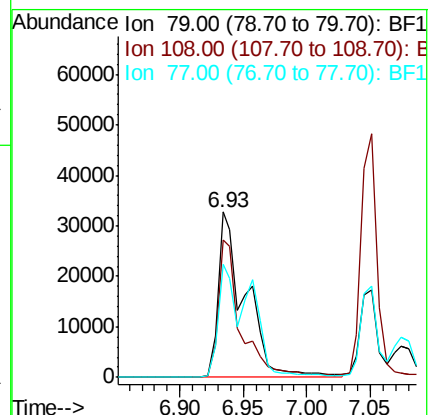
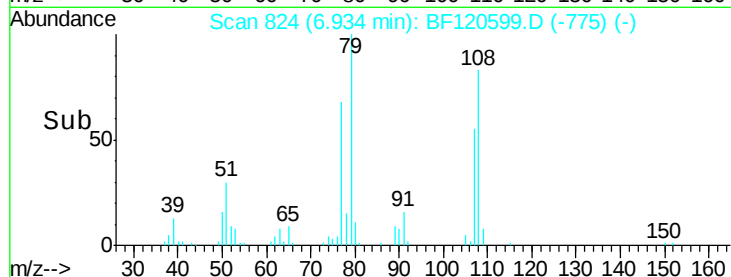
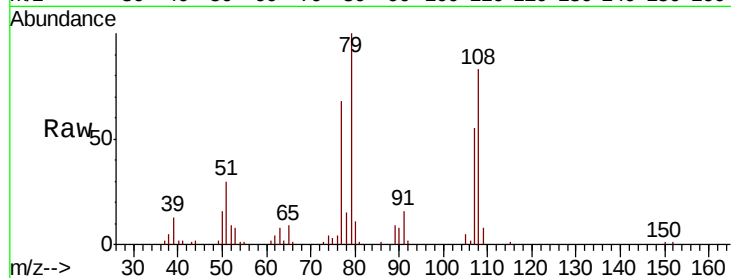
Tot Ion: 79 Resp: 49044

Ion Ratio Lower Upper

79 100

108 83.4 66.8 100.2

77 68.4 50.6 76.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.931 ng

RT: 7.07 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

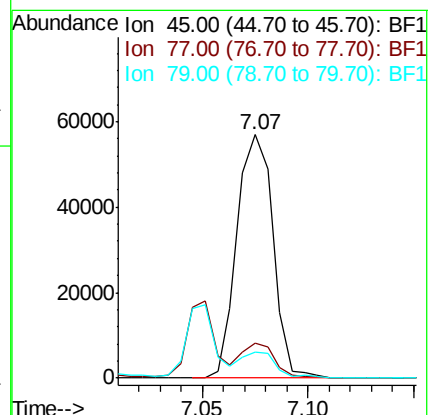
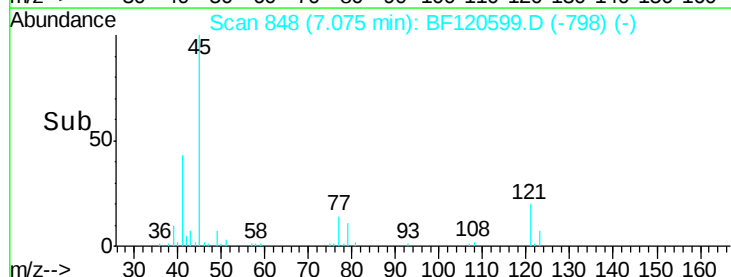
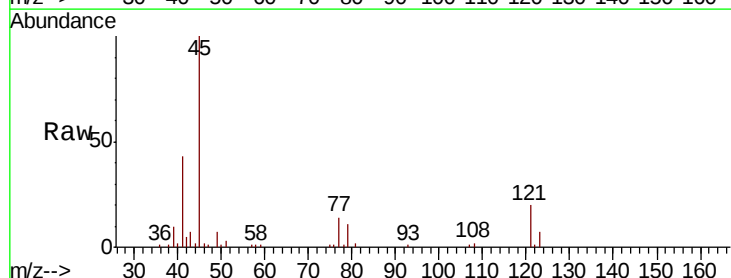
Tgt Ion: 45 Resp: 67380

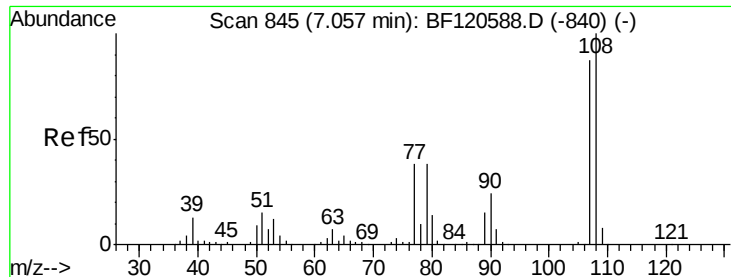
Ion Ratio Lower Upper

45 100

77 14.1 0.0 34.2

79 10.8 0.0 30.9

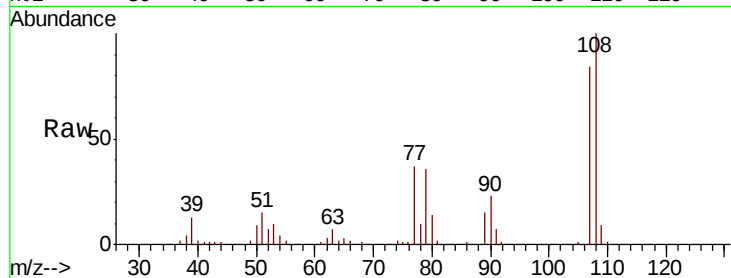




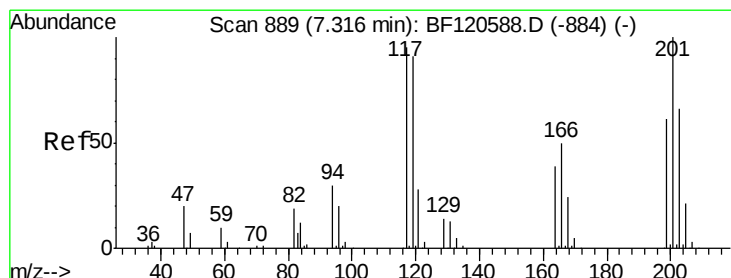
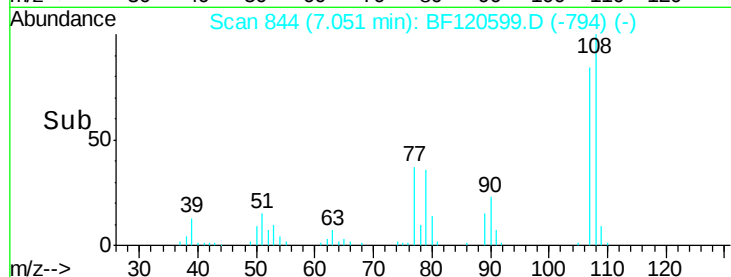
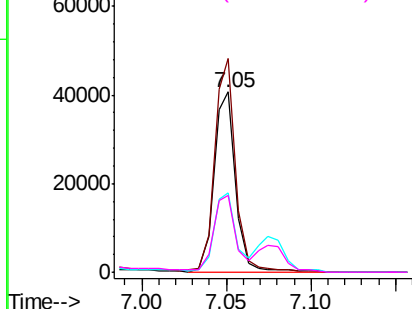
#17
2-Methylphenol
Concen: 4.450 ng
RT: 7.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:107 Resp: 36774
Ion Ratio Lower Upper
107 100
108 118.5 91.9 137.9
77 44.2 35.4 53.2
79 42.4 34.8 52.2

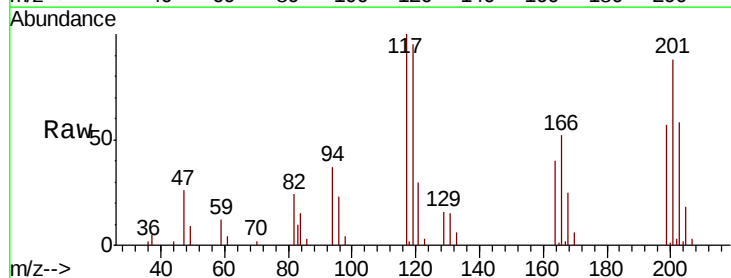


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

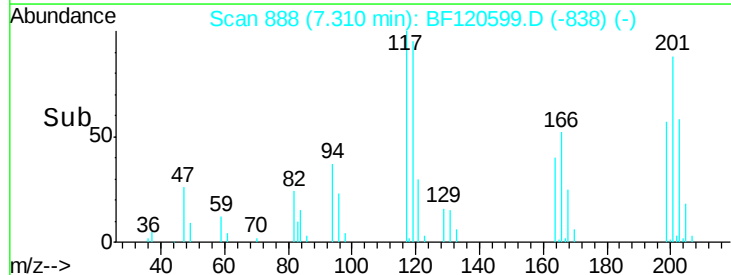
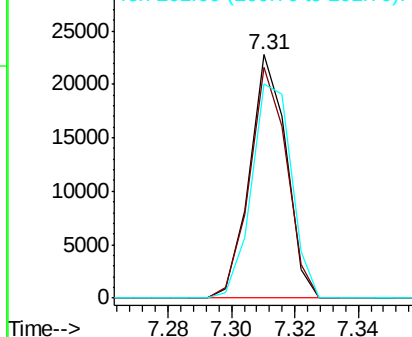


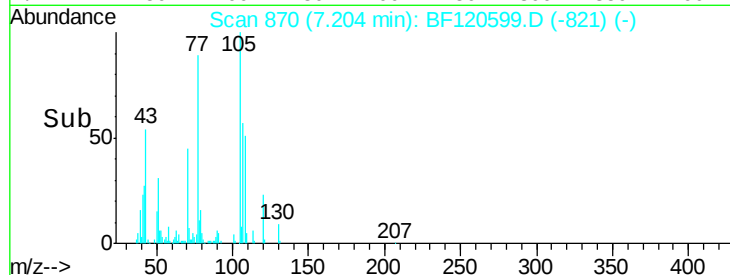
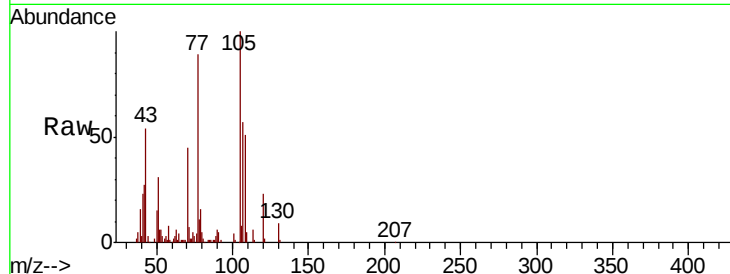
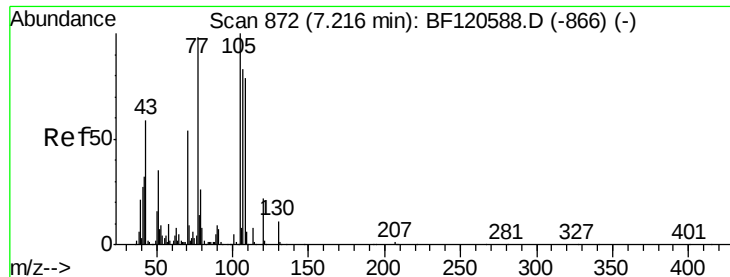
#18
Hexachloroethane
Concen: 4.864 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion:117 Resp: 18214
Ion Ratio Lower Upper
117 100
119 94.8 76.9 115.3
201 87.8 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

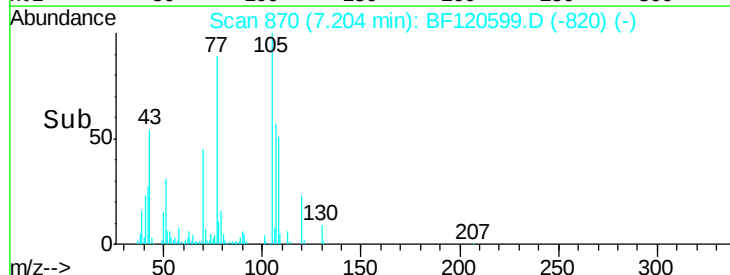
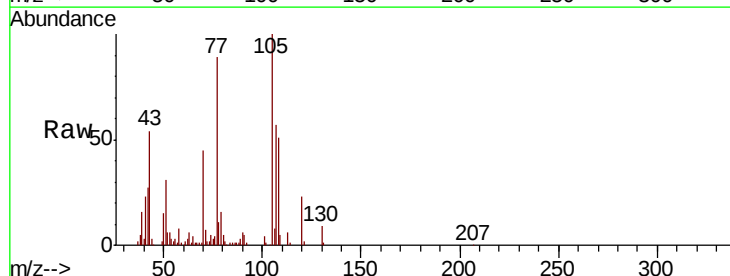
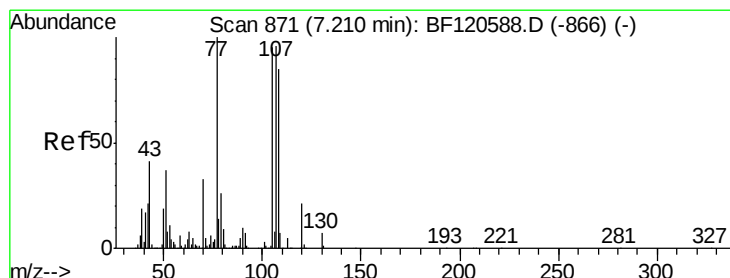
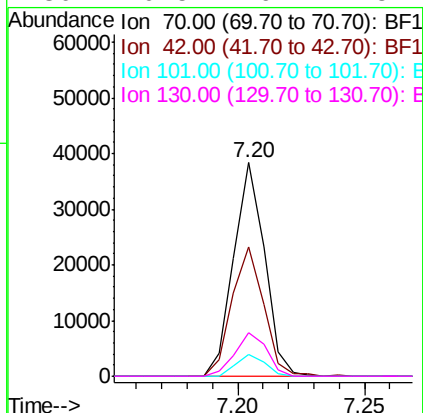




#19
n-Nitroso-di-n-propylamine
Concen: 5.246 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

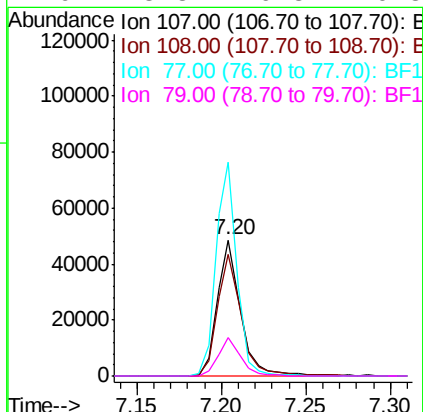
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	70	Resp:	32496
Ion	Ratio	Lower	Upper
70	100		
42	60.5	47.7	71.5
101	10.0	7.6	11.4
130	20.5	16.7	25.1



#20
3+4-Methylphenols
Concen: 4.519 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion:	107	Resp:	46664
Ion	Ratio	Lower	Upper
107	100		
108	89.7	68.7	108.7
77	157.2	84.2	124.2#
79	28.8	6.8	46.8

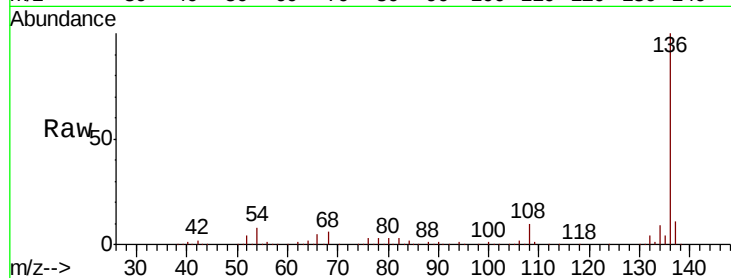




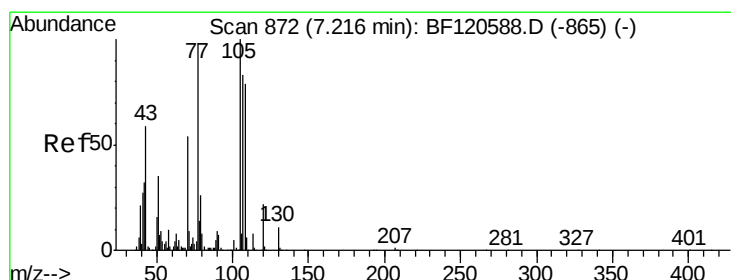
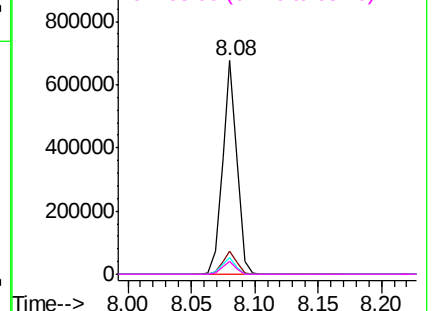
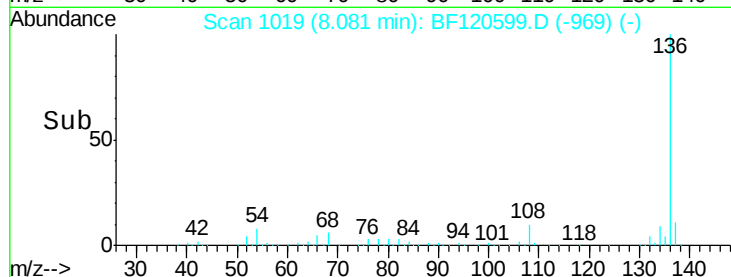
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:136	Resp:	538051
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.6 13.0
54	7.6	5.8 8.6
68	5.8	4.4 6.6

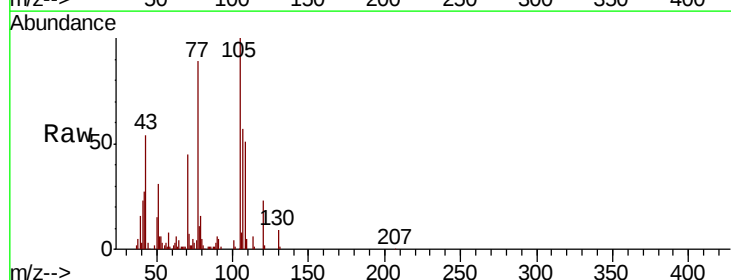


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

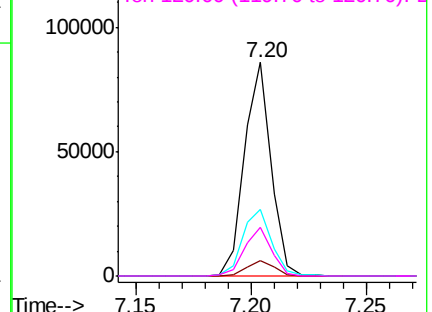
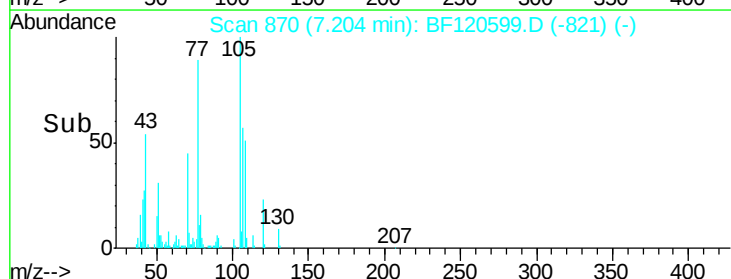


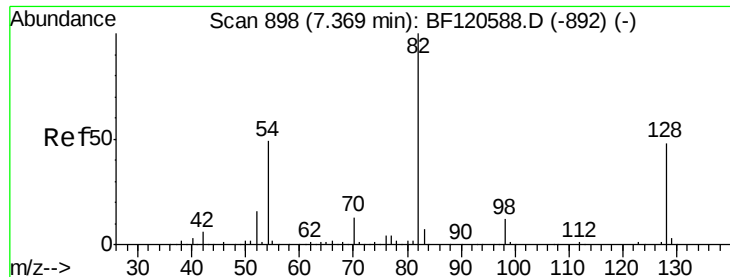
#22
Acetophenone
Concen: 5.731 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion:105	Resp:	68940
Ion Ratio	Lower	Upper
105	100	
71	7.4	7.2 10.8
51	31.4	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

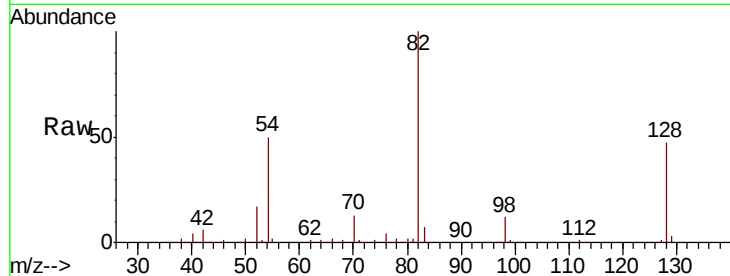




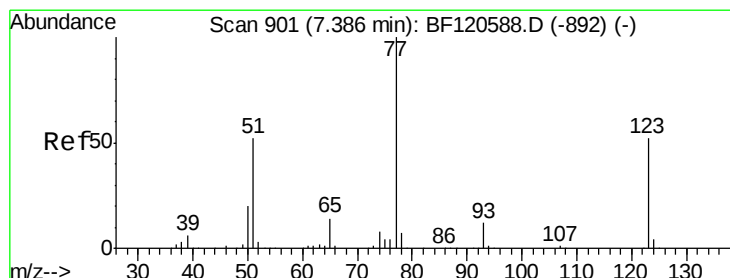
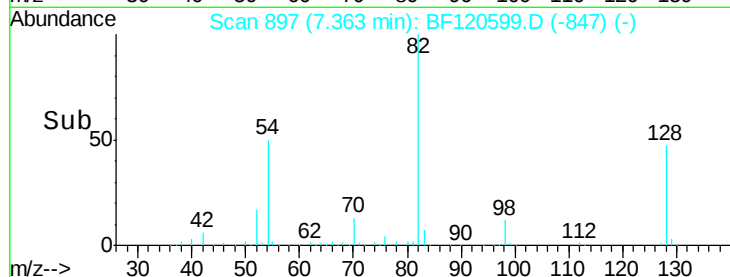
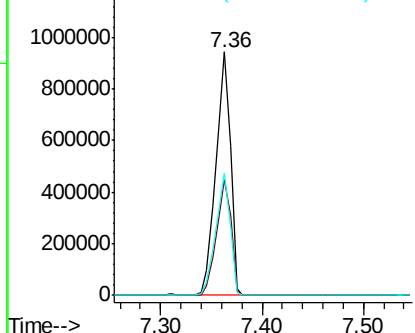
#23
Nitrobenzene-d5
Concen: 98.188 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 82 Resp: 945137
Ion Ratio Lower Upper
82 100
128 47.4 38.0 57.0
54 50.0 38.8 58.2

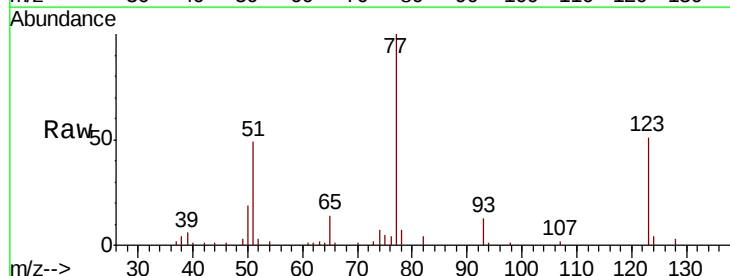


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

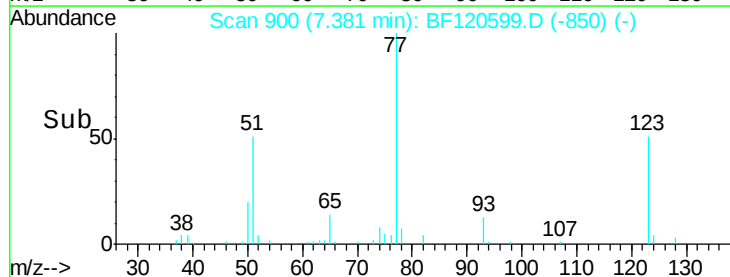
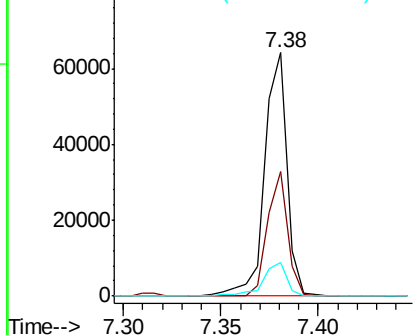


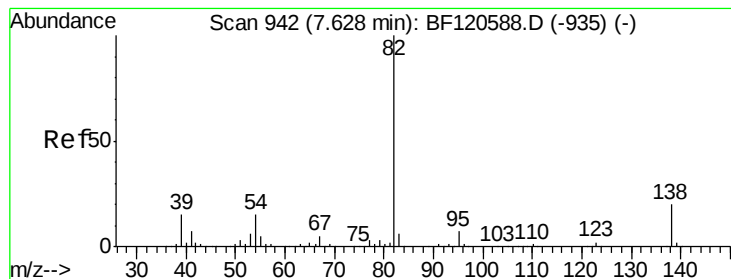
#24
Nitrobenzene
Concen: 5.058 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion: 77 Resp: 50954
Ion Ratio Lower Upper
77 100
123 51.2 41.4 62.0
65 13.6 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: 4.739 ng

RT: 7.62 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

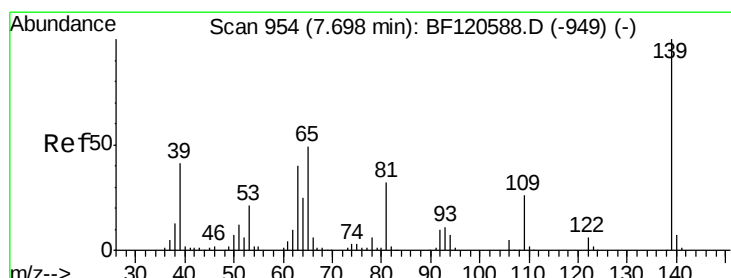
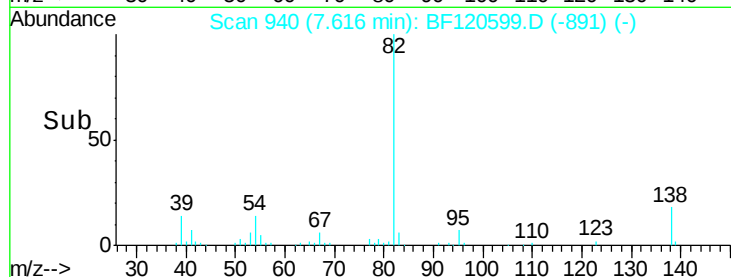
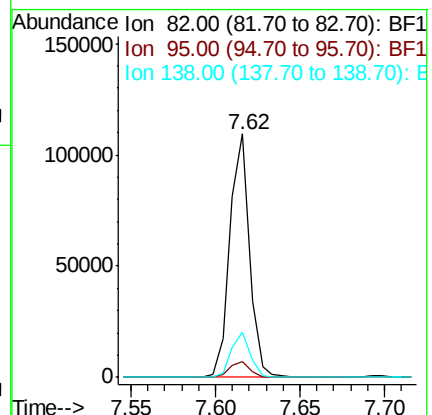
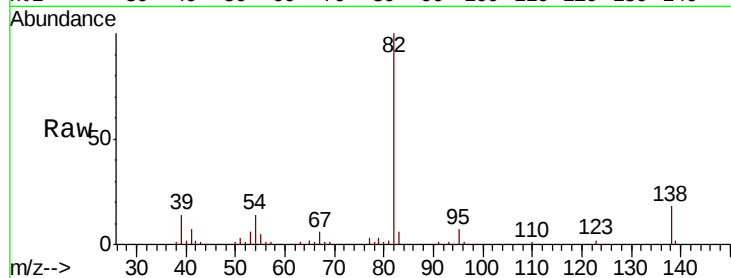
Tot Ion: 82 Resp: 88850

Ion Ratio Lower Upper

82 100

95 6.6 5.7 8.5

138 18.4 16.2 24.4



#26

2-Nitrophenol

Concen: 4.056 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

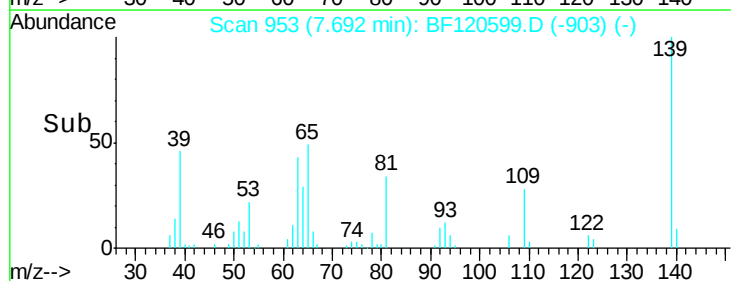
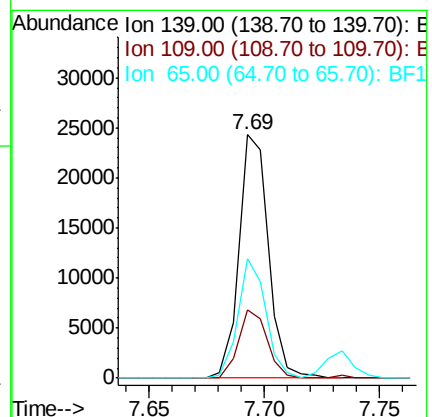
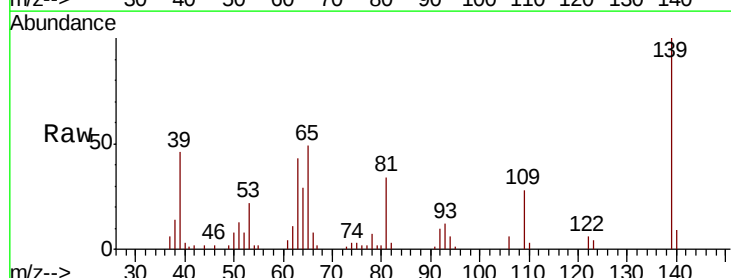
Tgt Ion: 139 Resp: 21612

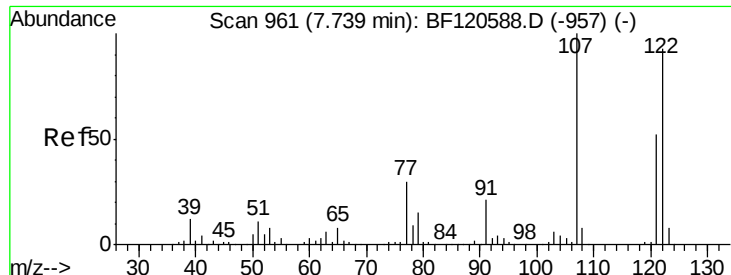
Ion Ratio Lower Upper

139 100

109 27.9 21.1 31.7

65 49.2 39.4 59.0

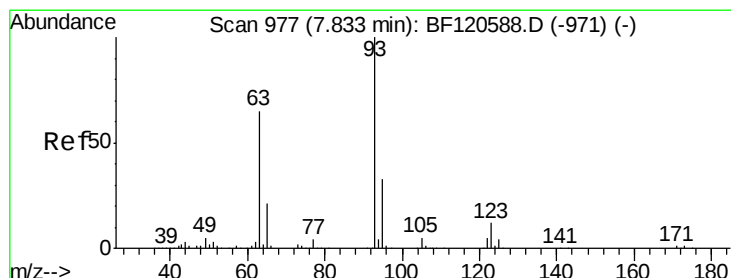
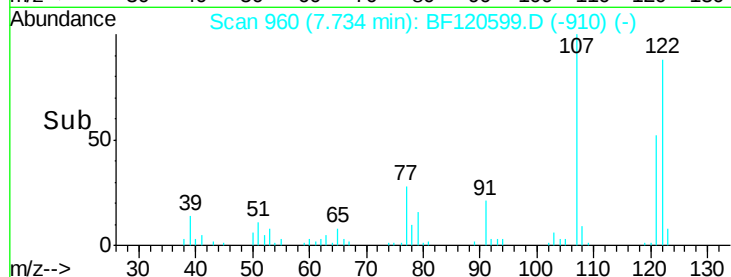
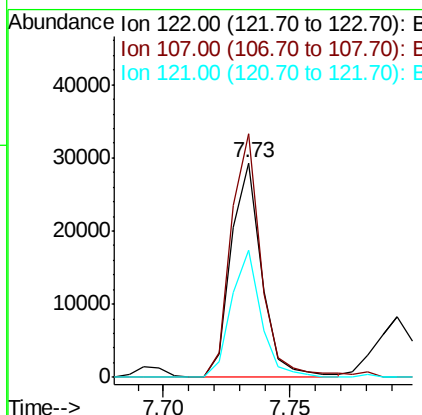
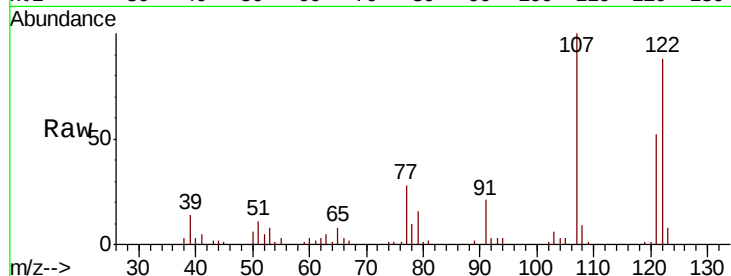




#27
 2,4-Dimethylphenol
 Concen: 3.162 ng
 RT: 7.73 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

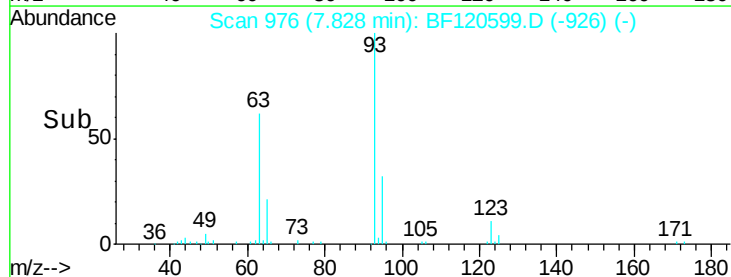
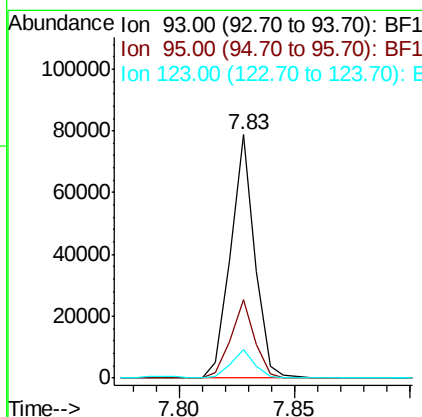
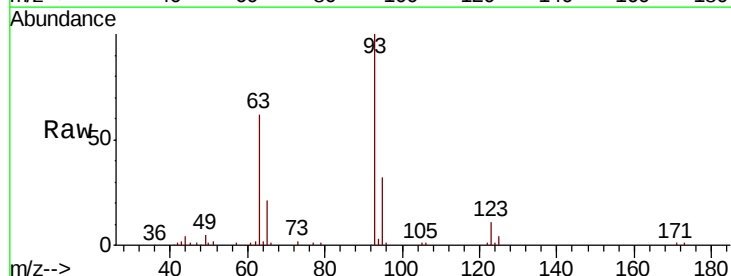
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

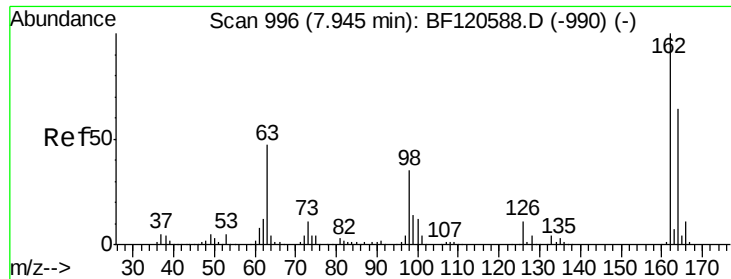
Tot Ion:122 Resp: 24807
 Ion Ratio Lower Upper
 122 100
 107 113.4 86.4 129.6
 121 59.1 45.2 67.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 5.254 ng
 RT: 7.83 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Tgt Ion: 93 Resp: 57107
 Ion Ratio Lower Upper
 93 100
 95 32.3 26.2 39.4
 123 11.5 9.5 14.3

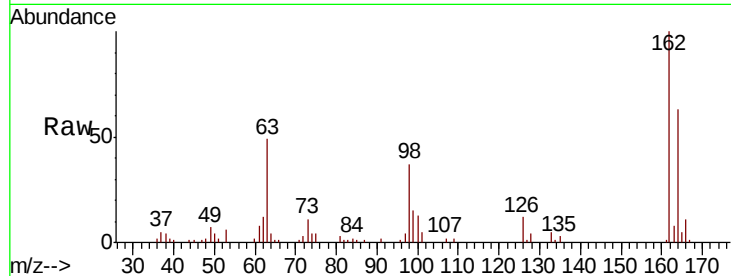




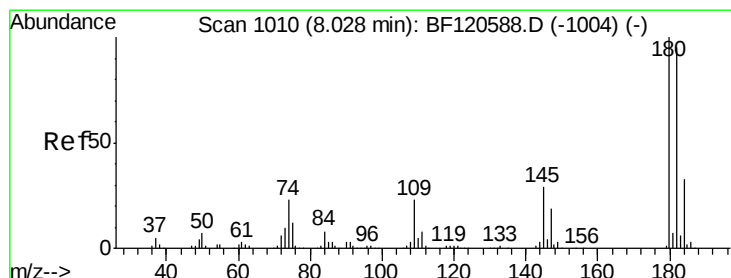
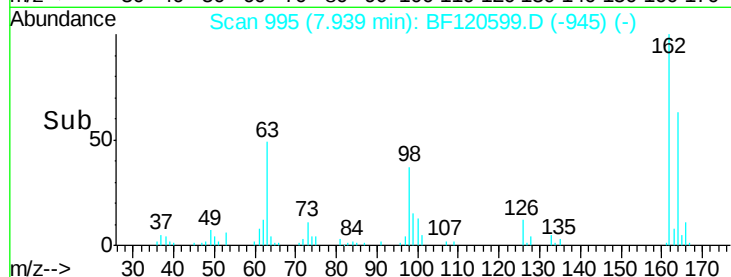
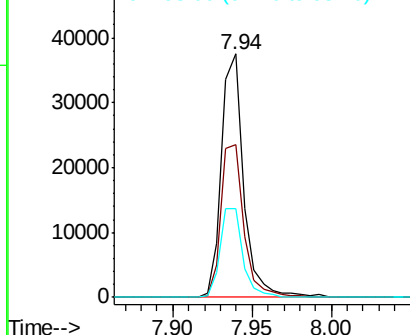
#29
2,4-Dichlorophenol
Concen: 4.589 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.0	44.1	84.1
98	36.6	14.7	54.7

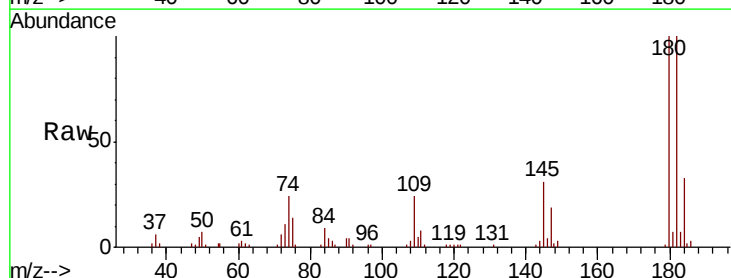


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

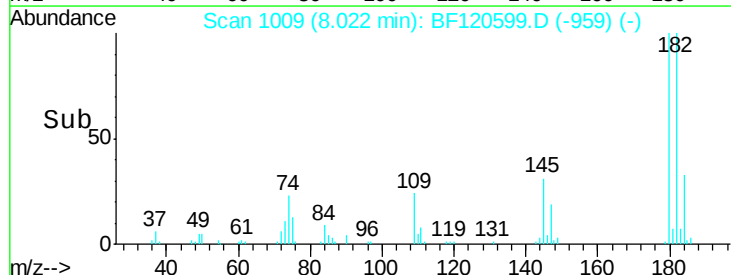
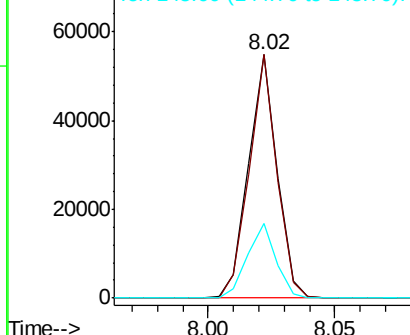


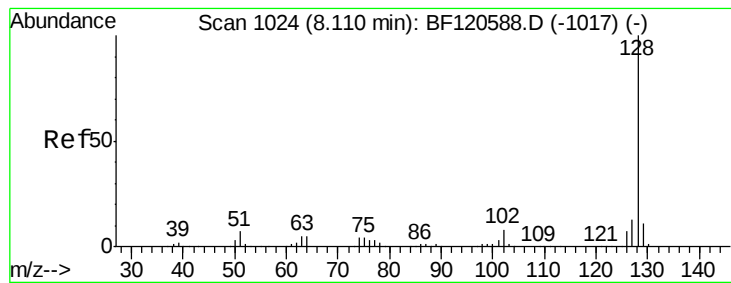
#30
1,2,4-Trichlorobenzene
Concen: 4.870 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.8	75.8	113.6
145	30.9	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: 5.426 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

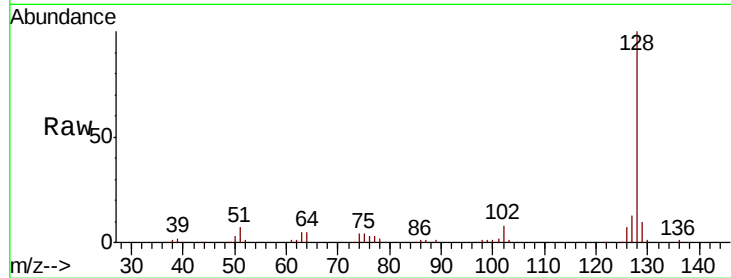
Tot Ion:128 Resp: 143349

Ion Ratio Lower Upper

128 100

129 10.3 8.8 13.2

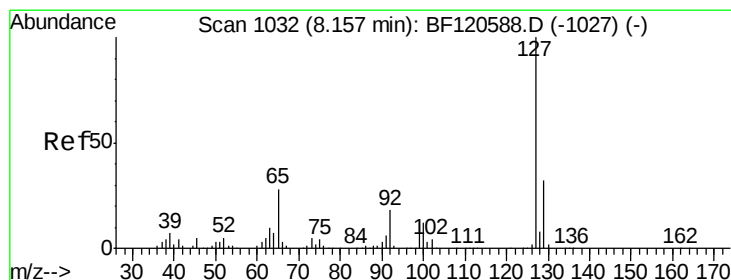
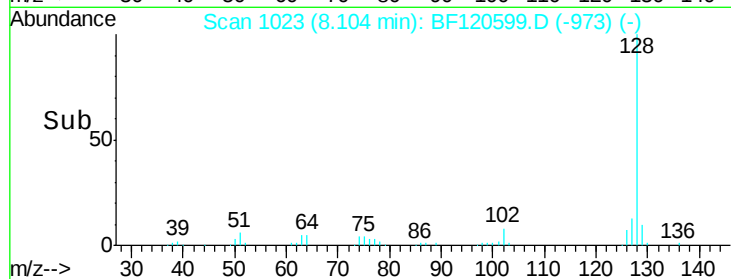
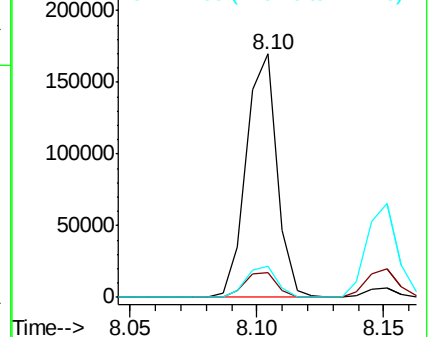
127 12.7 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 4.676 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Tgt Ion:127 Resp: 56710

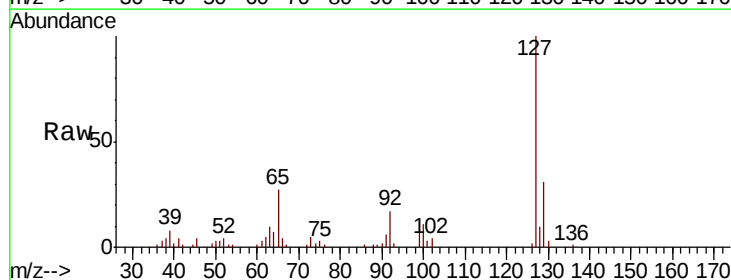
Ion Ratio Lower Upper

127 100

129 30.9 25.9 38.9

65 26.5 22.2 33.4

92 16.7 14.2 21.2

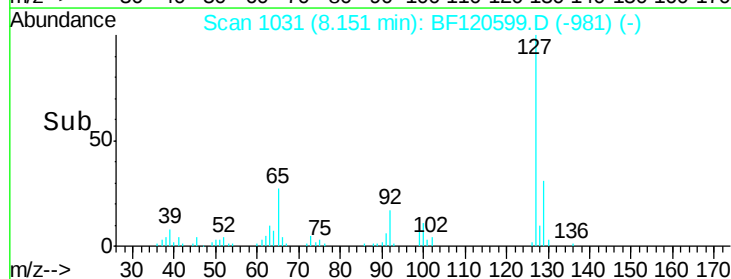
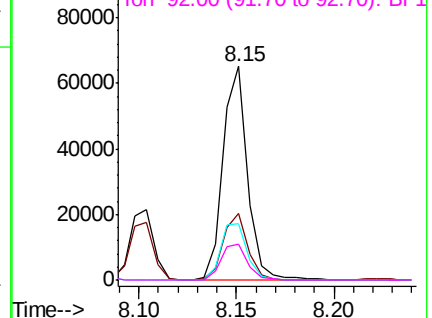


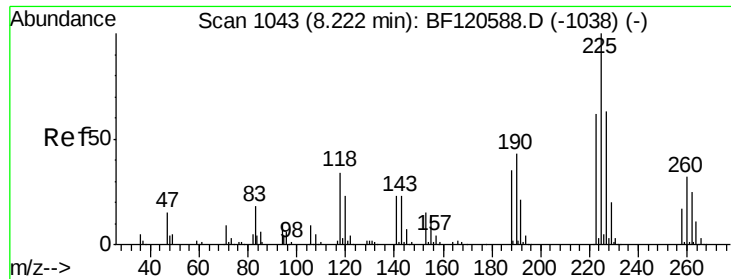
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

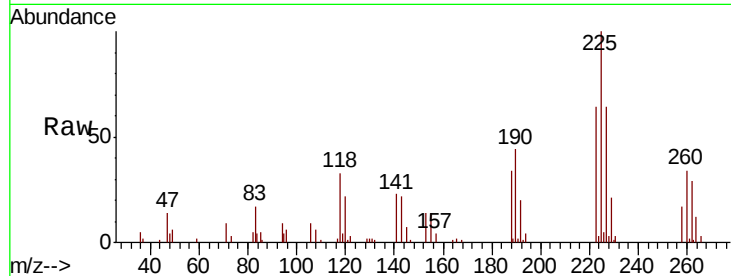




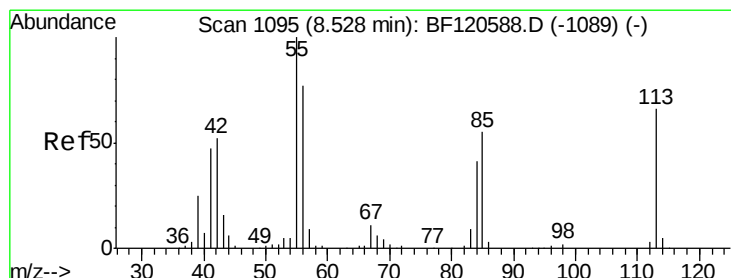
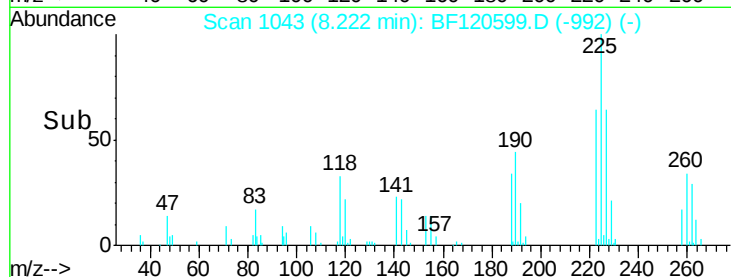
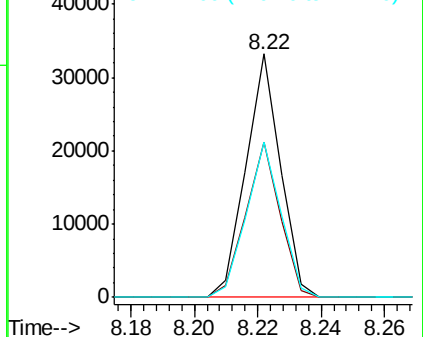
#34
Hexachlorobutadiene
Concen: 4.875 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:225 Resp: 25115
Ion Ratio Lower Upper
225 100
223 63.6 49.9 74.9
227 63.5 50.5 75.7

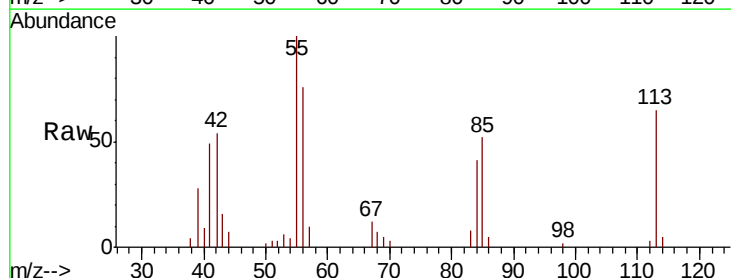


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

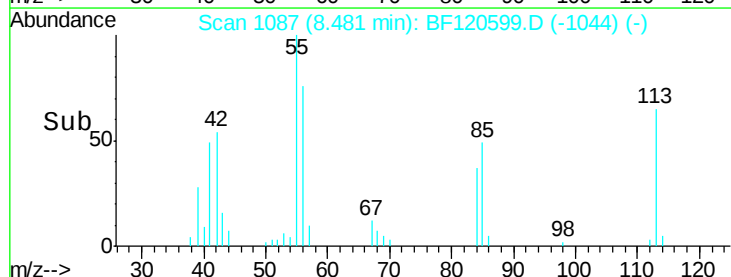
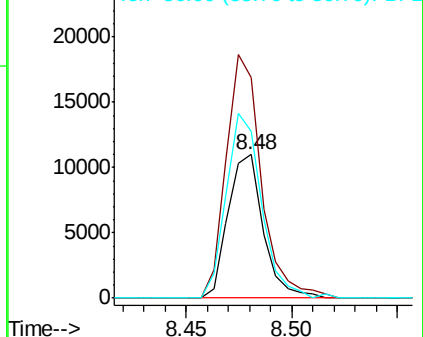


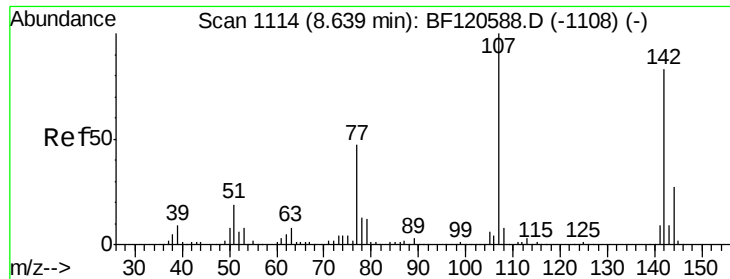
#35
Caprolactam
Concen: 4.945 ng
RT: 8.48 min Scan# 1087
Delta R.T. -0.05 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion:113 Resp: 12615
Ion Ratio Lower Upper
113 100
55 153.6 133.1 173.1
56 116.5 98.4 138.4



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

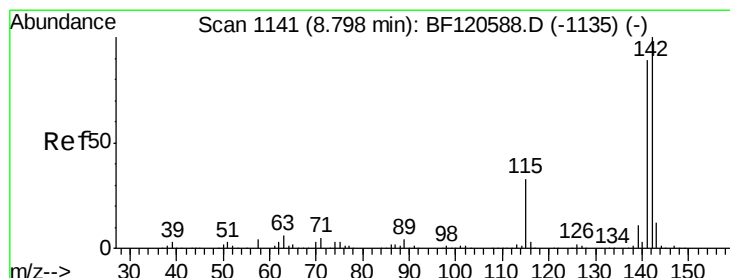
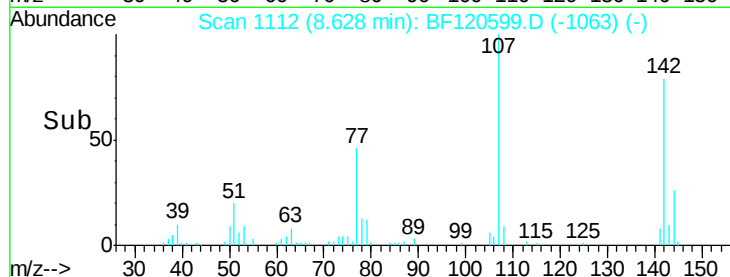
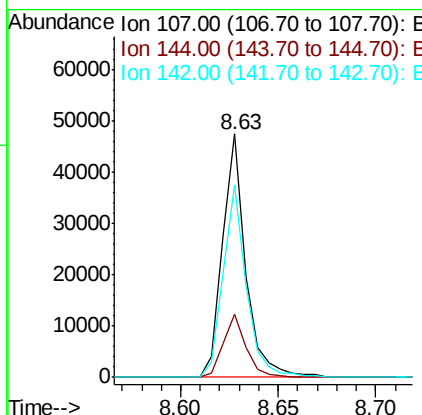
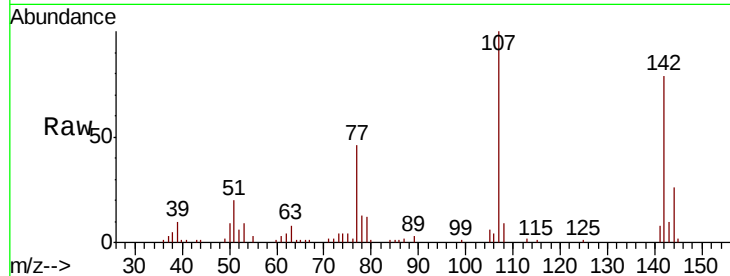




#36
 4-Chloro-3-methylphenol
 Concen: 4.893 ng
 RT: 8.63 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

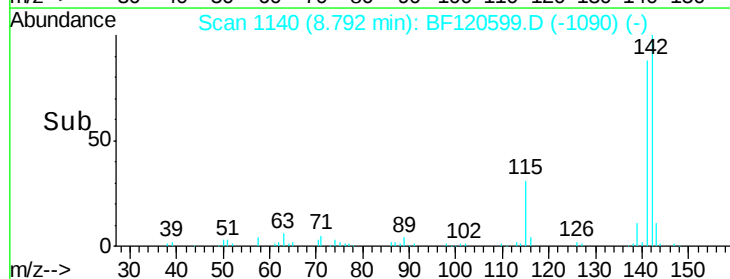
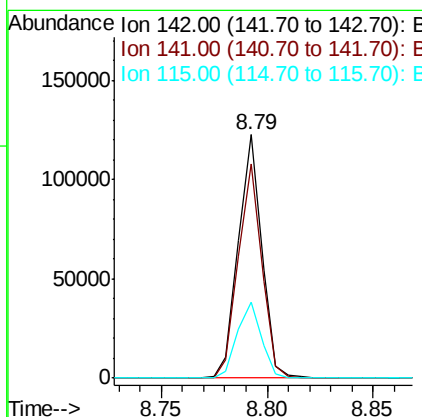
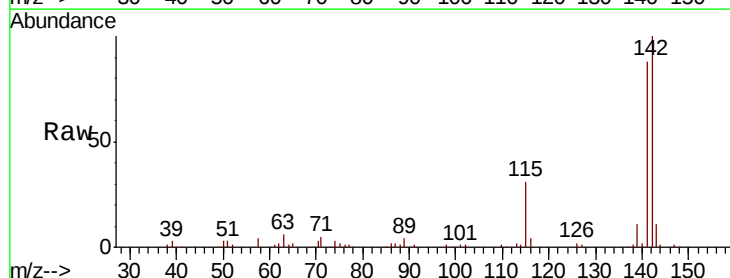
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

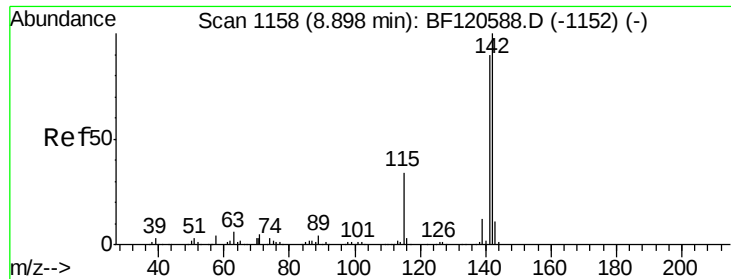
Tot Ion:107 Resp: 38986
 Ion Ratio Lower Upper
 107 100
 144 25.9 21.4 32.2
 142 78.9 66.3 99.5



#37
 2-Methylnaphthalene
 Concen: 5.449 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Tgt Ion:142 Resp: 93979
 Ion Ratio Lower Upper
 142 100
 141 87.8 71.4 107.0
 115 31.2 26.1 39.1

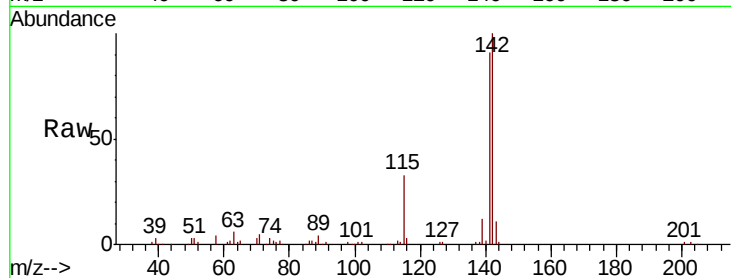




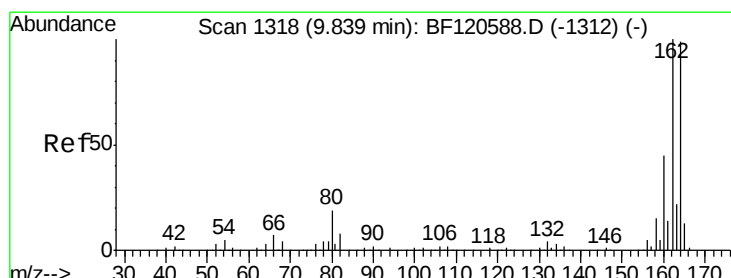
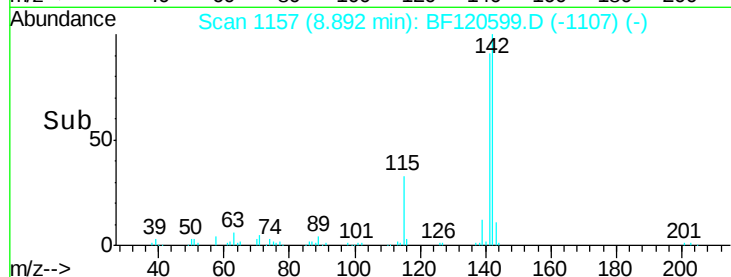
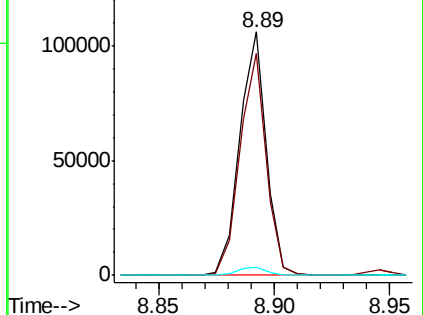
#38
1-Methylnaphthalene
Concen: 5.220 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:142 Resp: 84719
Ion Ratio Lower Upper
142 100
141 91.1 72.1 108.1
116 3.5 2.7 4.1

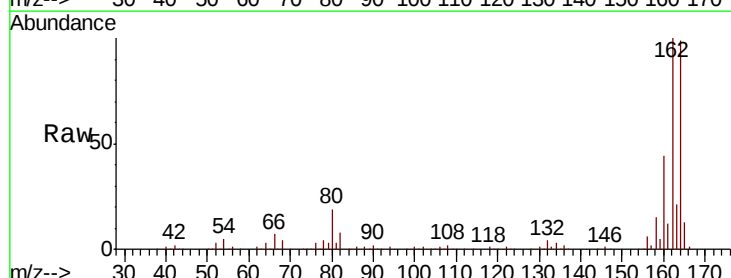


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

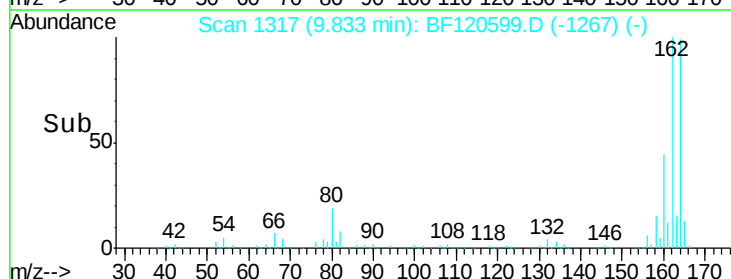
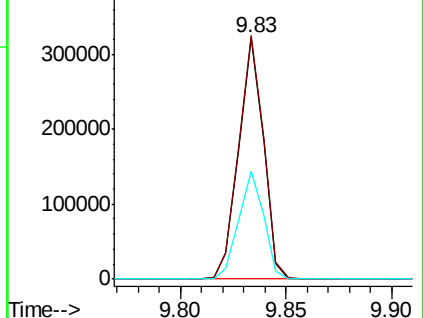


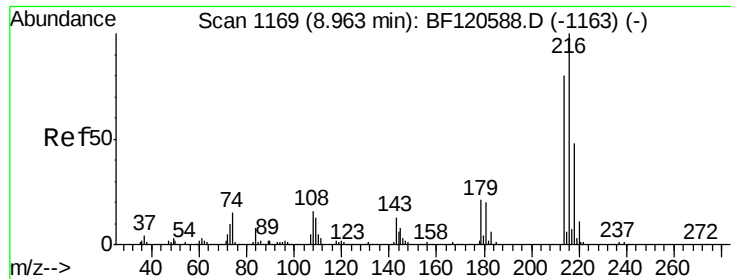
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion:164 Resp: 259712
Ion Ratio Lower Upper
164 100
162 100.8 80.6 120.8
160 44.7 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: 5.424 ng

RT: 8.96 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:216 Resp: 42062

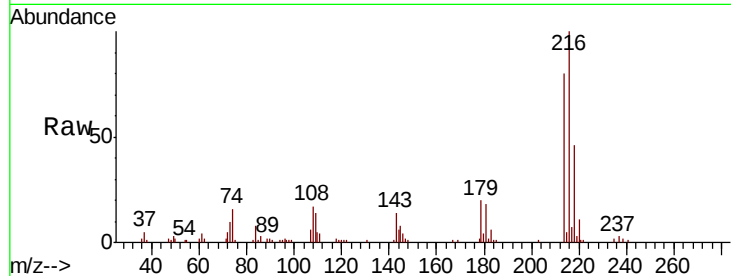
Ion Ratio Lower Upper

216 100

214 79.7 63.8 95.6

179 20.2 16.4 24.6

108 17.6 13.8 20.8

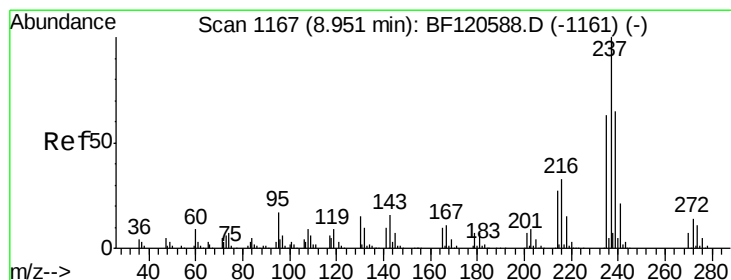
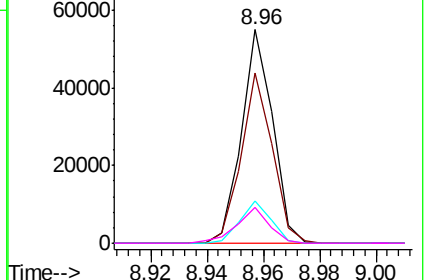
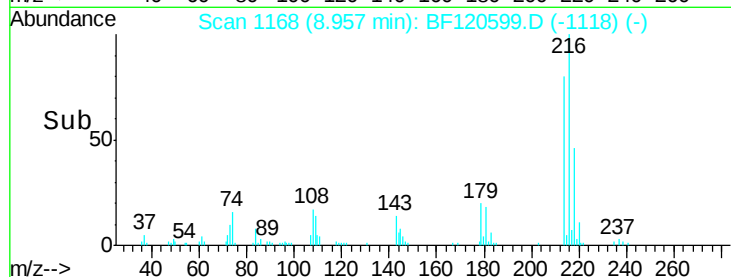


Abundance Ion 216.00 (215.70 to 216.70): E

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: 3.327 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

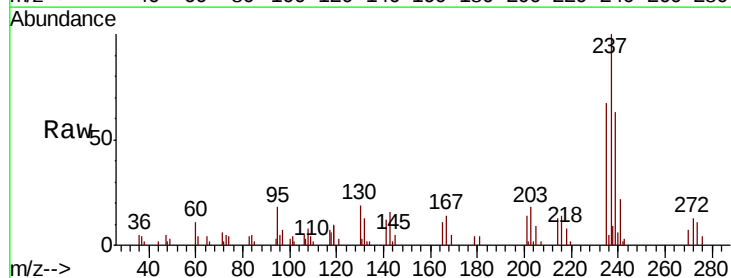
Tgt Ion:237 Resp: 14457

Ion Ratio Lower Upper

237 100

235 67.2 43.2 83.2

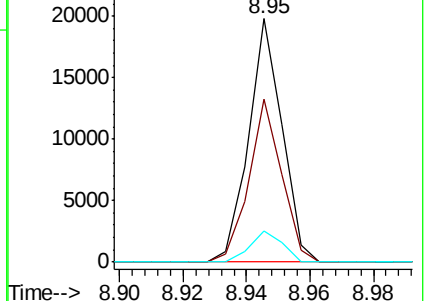
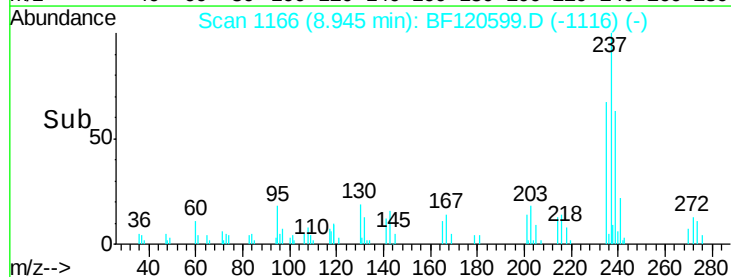
272 12.8 0.0 33.9

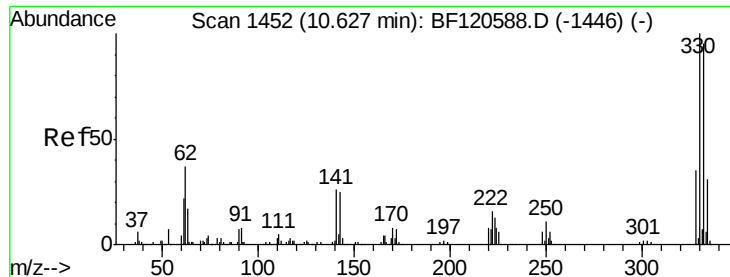


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

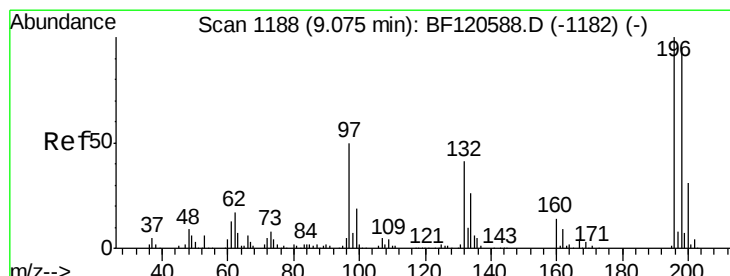
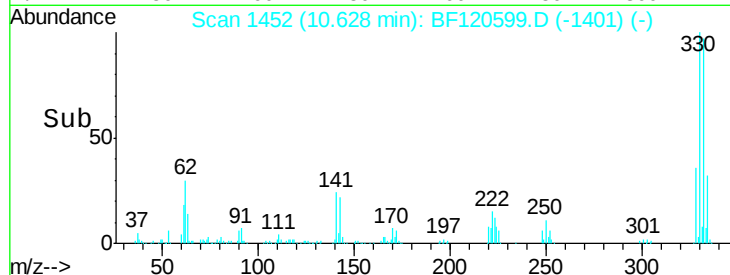
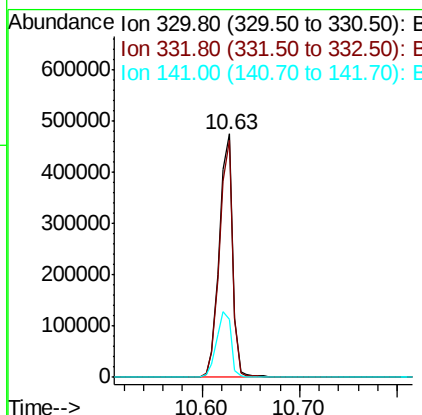
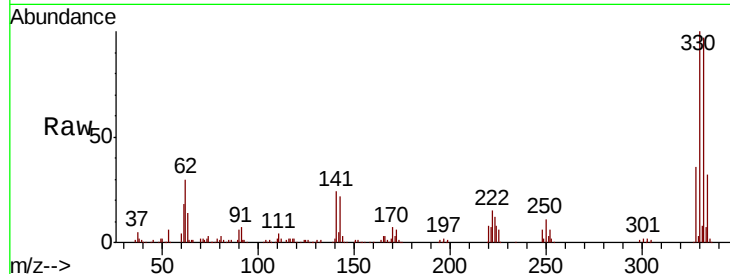




#42
 2,4,6-Tribromophenol
 Concen: 150.296 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

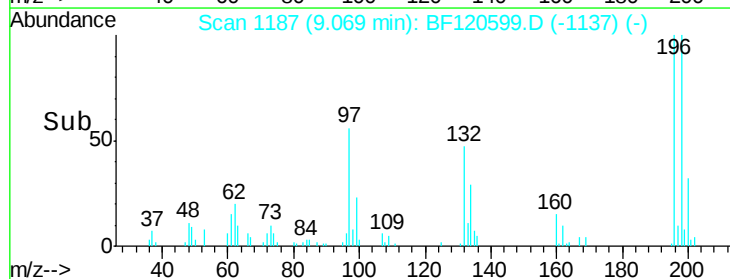
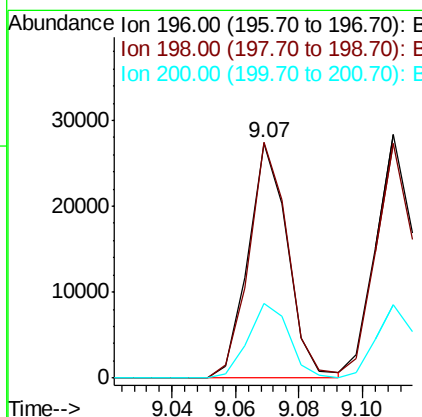
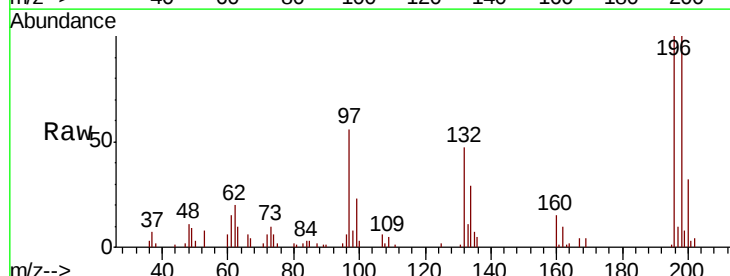
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

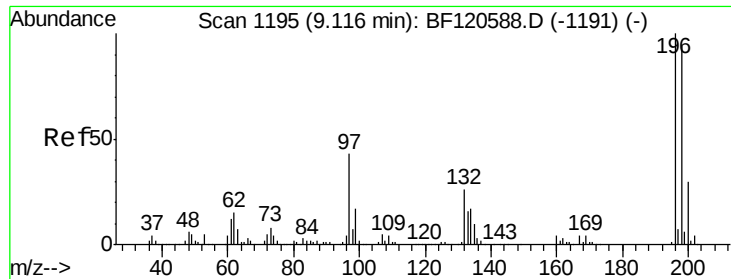
Tot Ion:330 Resp: 453822
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.8 115.2
 141 29.2 23.2 34.8



#43
 2,4,6-Trichlorophenol
 Concen: 4.284 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Tgt Ion:196 Resp: 23566
 Ion Ratio Lower Upper
 196 100
 198 100.4 76.2 114.2
 200 31.8 24.6 37.0

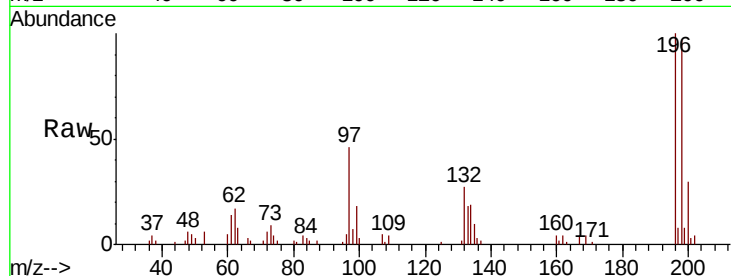




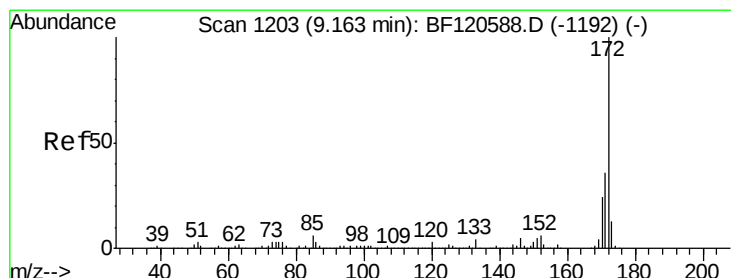
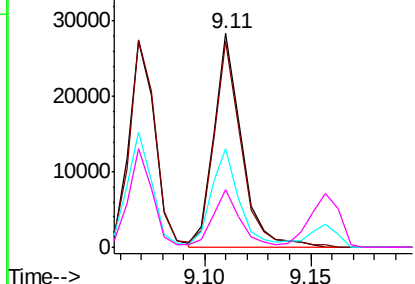
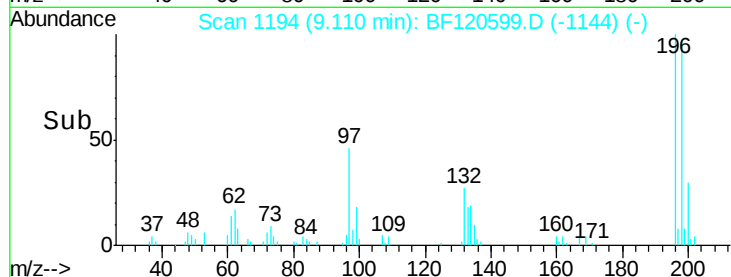
#44
 2,4,5-Trichlorophenol
 Concen: 4.171 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion:196	Resp:	26031
Ion Ratio	Lower	Upper
196	100	
198	96.5	75.5 113.3
97	46.3	34.4 51.6
132	27.1	20.7 31.1

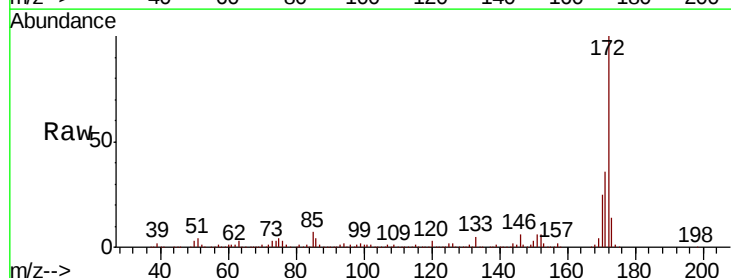


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

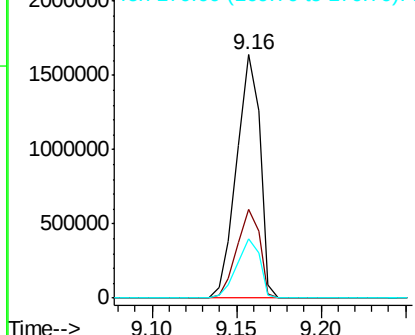
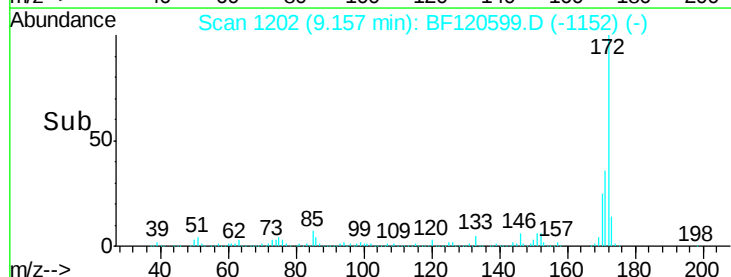


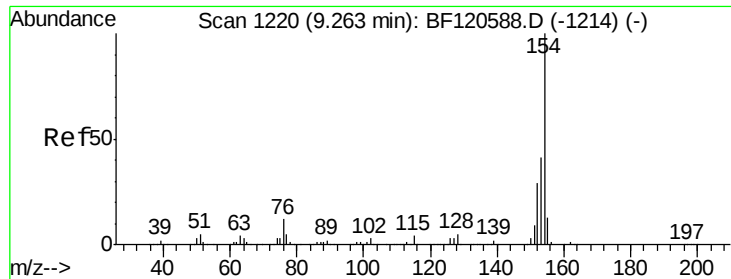
#45
 2-Fluorobiphenyl
 Concen: 93.386 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Tgt Ion:172	Resp:	1585203
Ion Ratio	Lower	Upper
172	100	
171	36.3	29.0 43.4
170	24.5	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

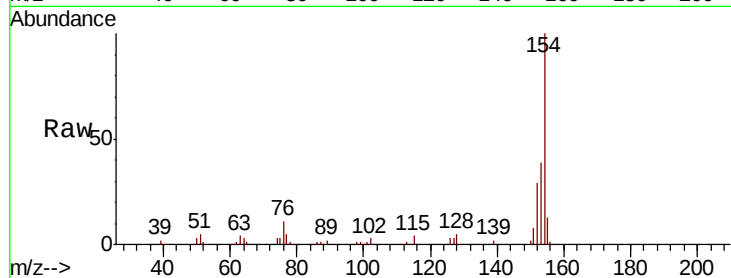




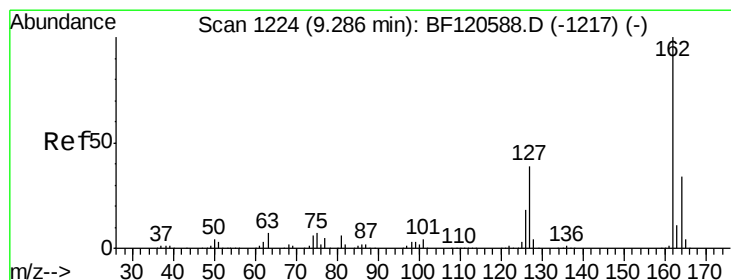
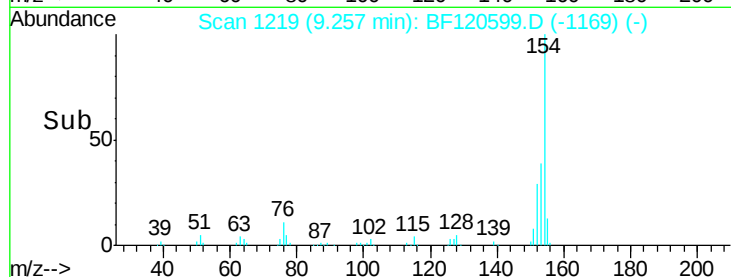
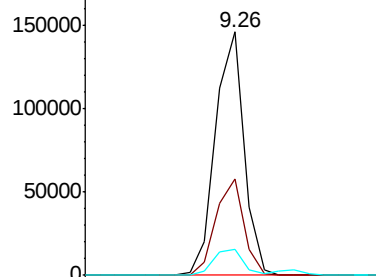
#46
 1,1'-Biphenyl
 Concen: 5.931 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	154	Resp:	115025
Ion	Ratio	Lower	Upper
154	100		
153	39.4	21.4	61.4
76	10.6	0.0	31.6

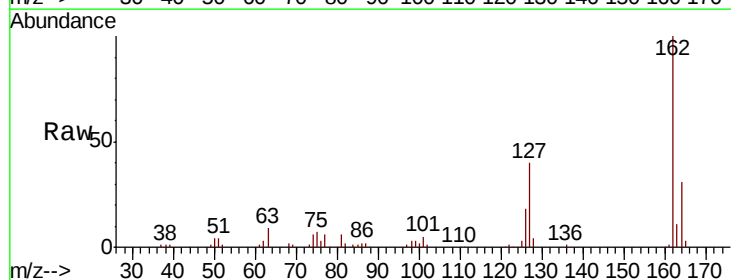


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

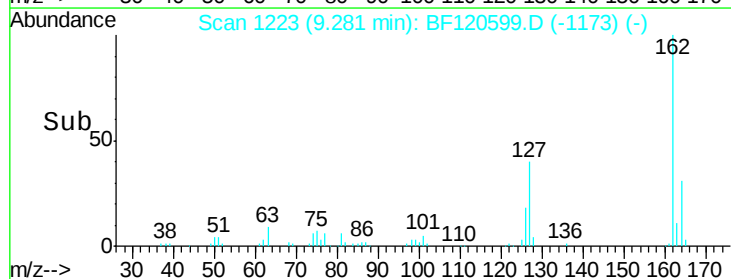
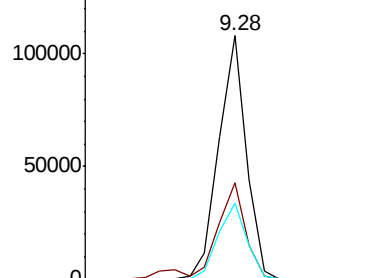


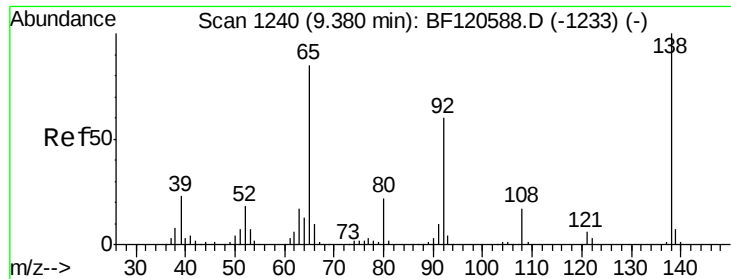
#47
 2-Chloronaphthalene
 Concen: 5.161 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Tgt Ion:	162	Resp:	81849
Ion	Ratio	Lower	Upper
162	100		
127	39.7	31.3	46.9
164	31.3	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

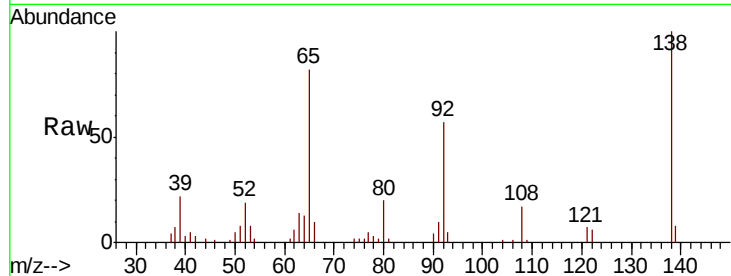




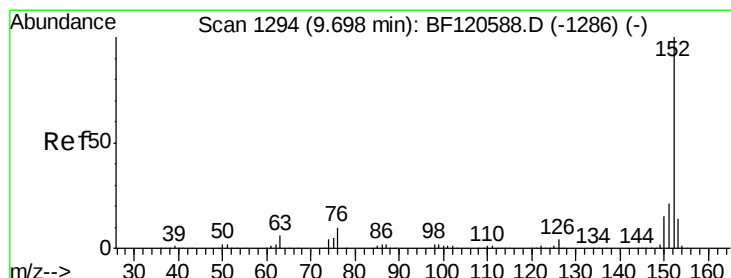
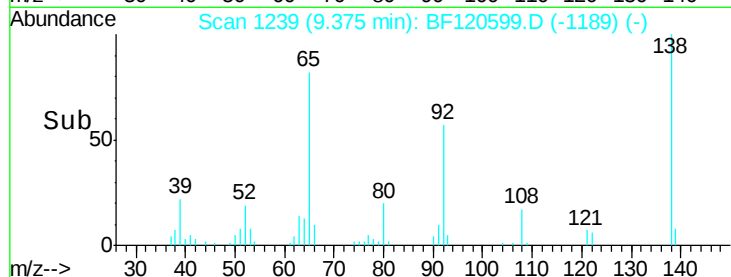
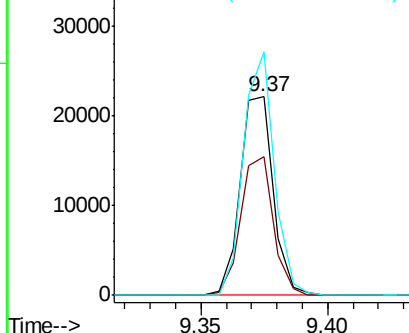
#48
2-Nitroaniline
Concen: 4.050 ng
RT: 9.37 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 65 Resp: 20170
Ion Ratio Lower Upper
65 100
92 69.7 56.0 84.0
138 122.5 94.0 141.0

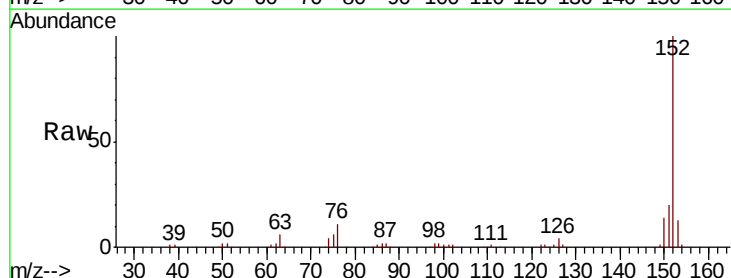


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

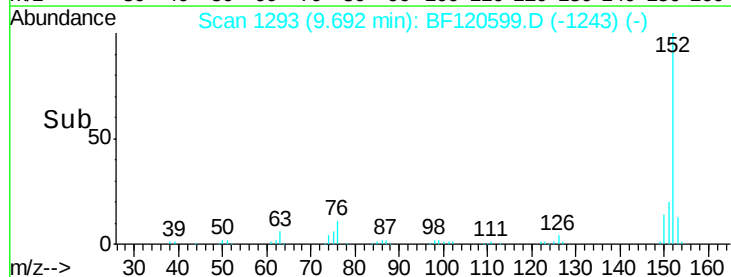
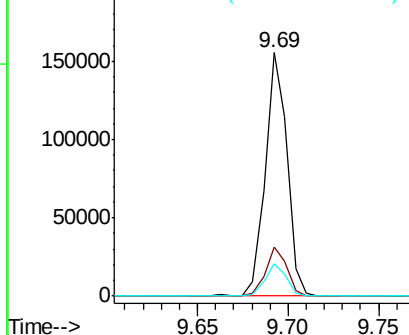


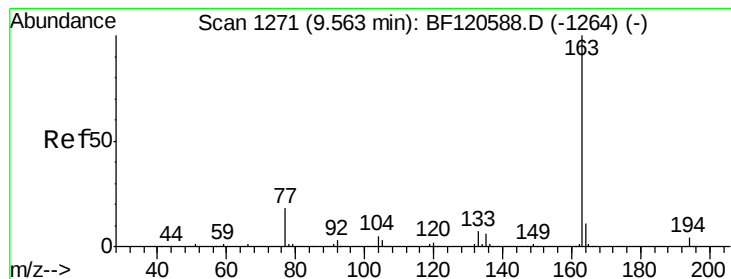
#49
Acenaphthylene
Concen: 5.311 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion: 152 Resp: 129991
Ion Ratio Lower Upper
152 100
151 20.2 16.6 25.0
153 13.2 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): BF1
Ion 151.00 (150.70 to 151.70): BF1
Ion 153.00 (152.70 to 153.70): BF1





#50

Dimethylphthalate

Concen: 5.081 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

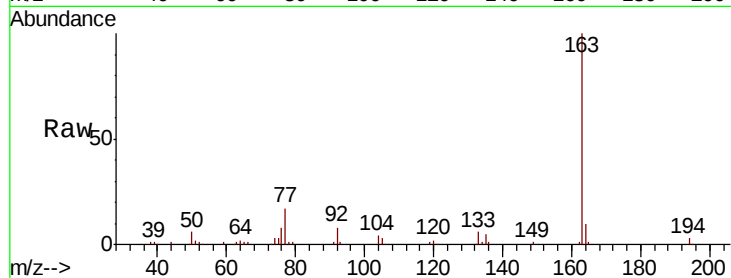
Tot Ion:163 Resp: 95035

Ion Ratio Lower Upper

163 100

194 3.5 3.1 4.7

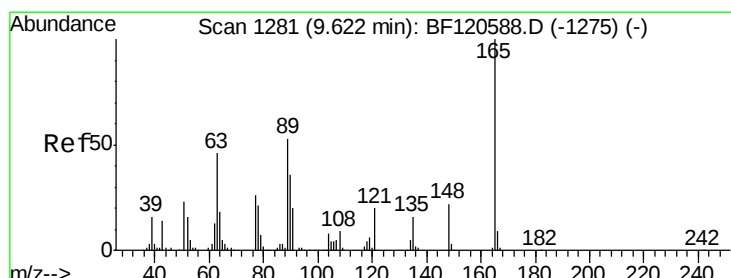
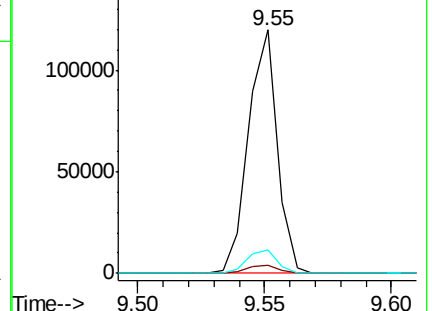
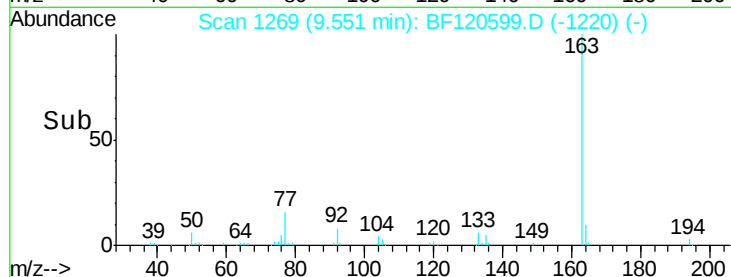
164 9.8 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 4.221 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

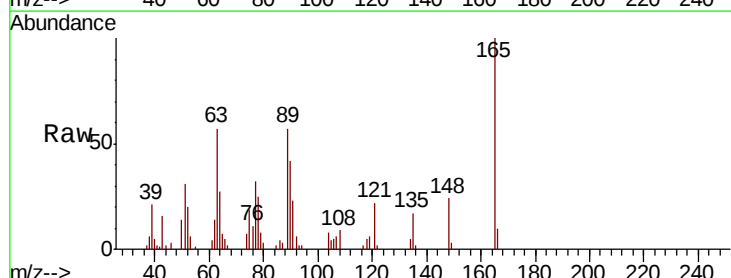
Tgt Ion:165 Resp: 17893

Ion Ratio Lower Upper

165 100

63 57.1 41.7 62.5

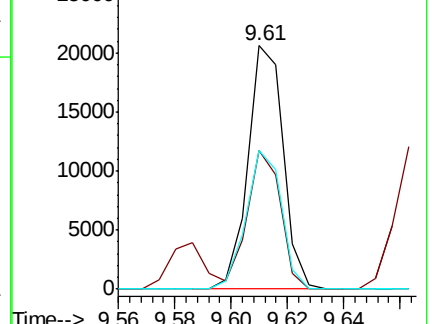
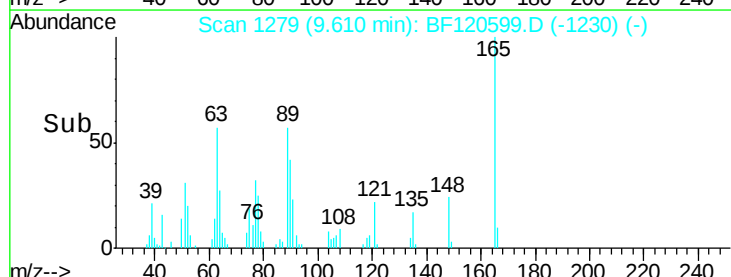
89 56.8 42.6 64.0

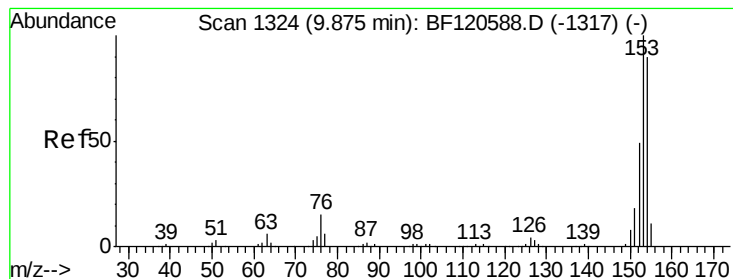


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 5.320 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

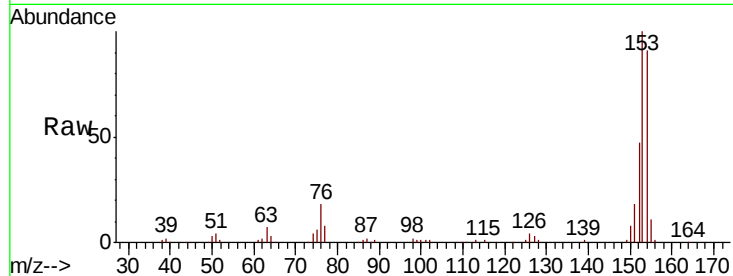
Tot Ion:154 Resp: 77655

Ion Ratio Lower Upper

154 100

153 109.3 89.1 133.7

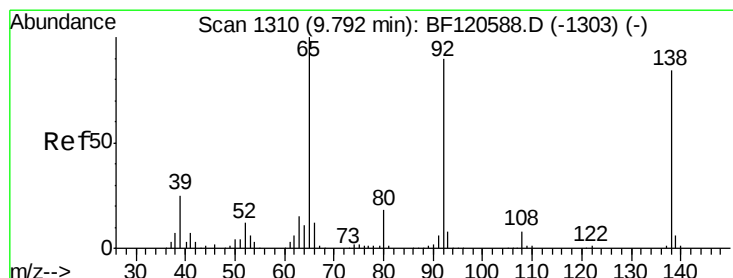
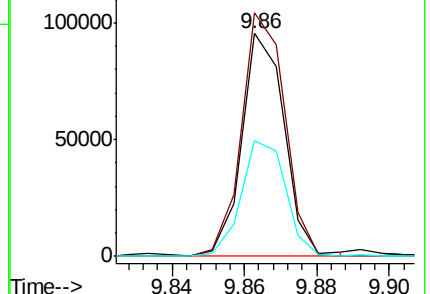
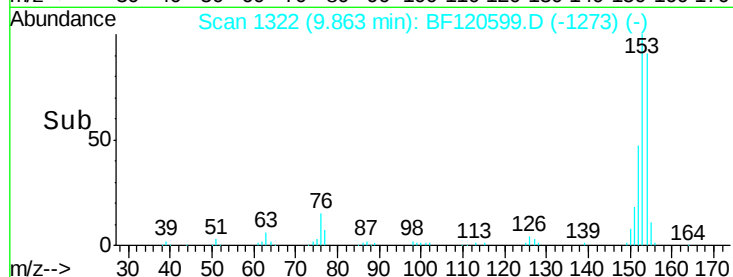
152 51.8 43.7 65.5



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: 4.059 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

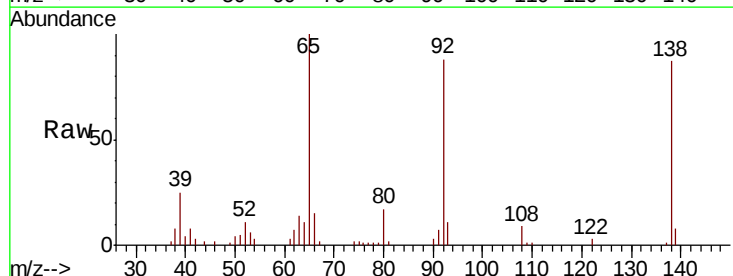
Tgt Ion:138 Resp: 20665

Ion Ratio Lower Upper

138 100

108 10.3 8.0 12.0

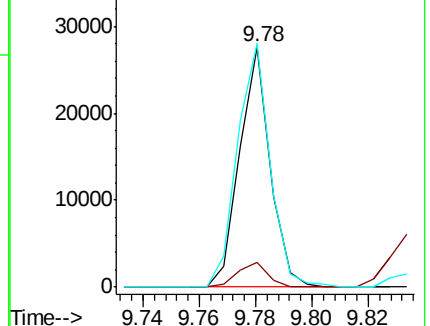
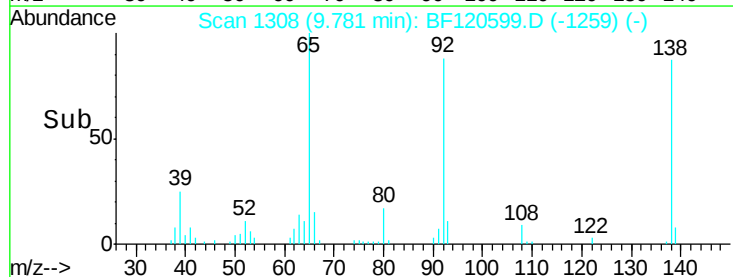
92 101.5 86.0 129.0

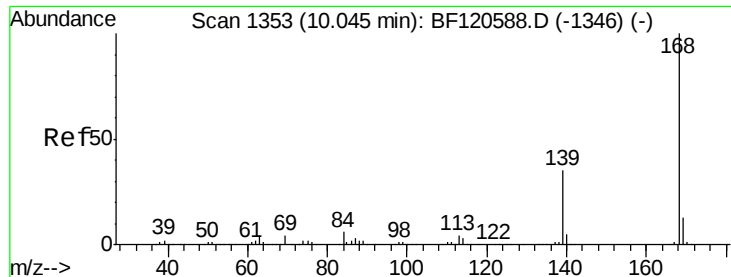


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

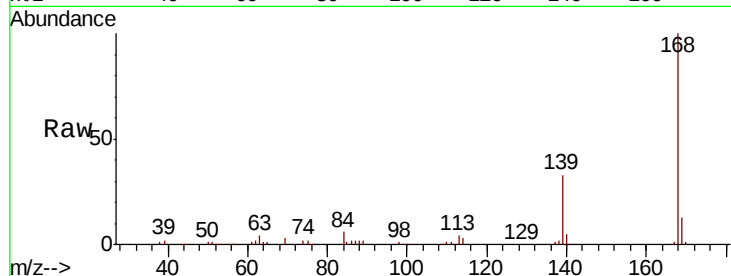




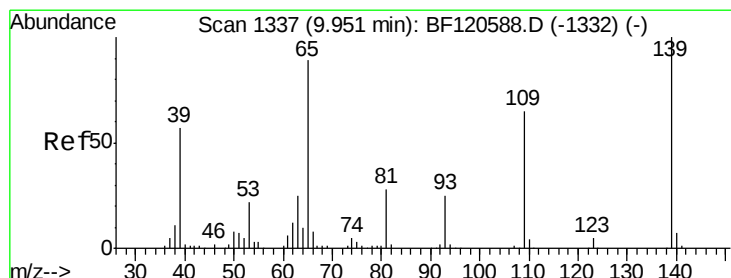
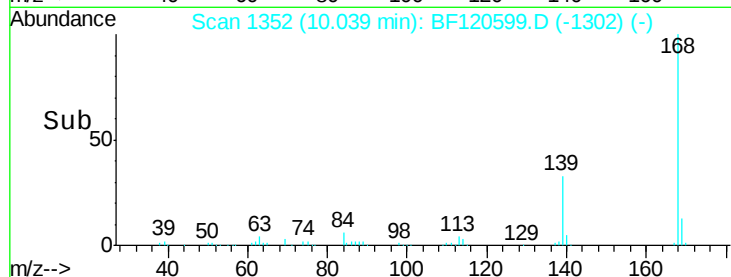
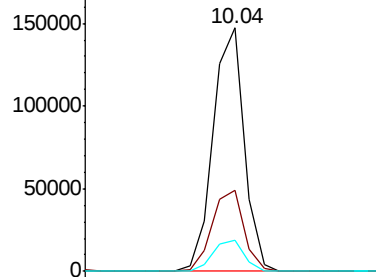
#55
Dibenzenofuran
Concen: 5.592 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:168 Resp: 125164
Ion Ratio Lower Upper
168 100
139 33.3 28.1 42.1
169 12.6 10.6 16.0

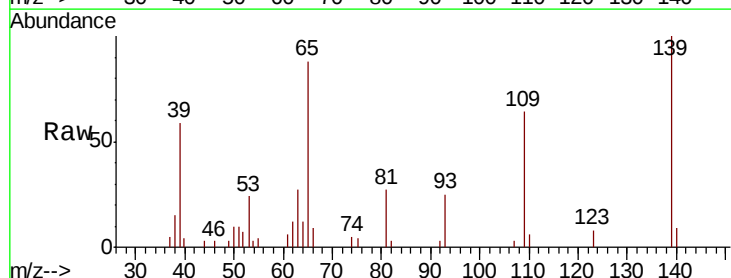


Abundance Ion 168.00 (167.70 to 168.70): E
200000 Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

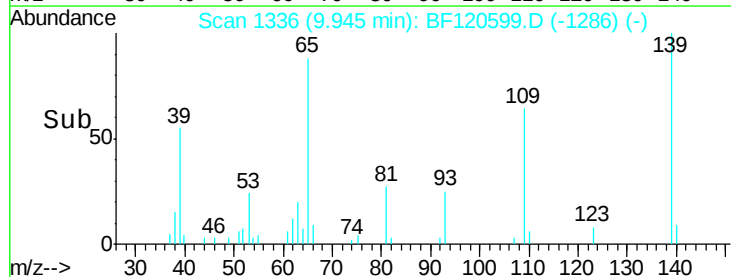
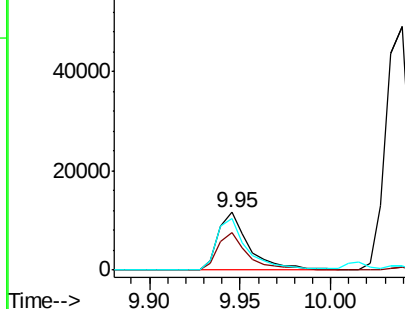


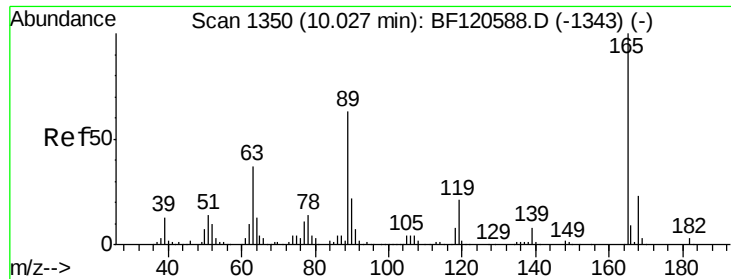
#56
4-Nitrophenol
Concen: 3.632 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion:139 Resp: 13926
Ion Ratio Lower Upper
139 100
109 63.9 44.6 84.6
65 88.5 69.2 109.2



Abundance Ion 139.00 (138.70 to 139.70): E
60000 Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

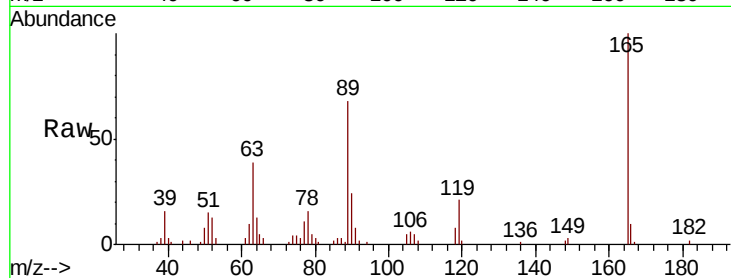




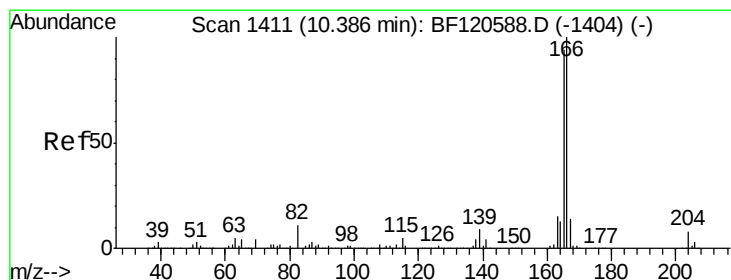
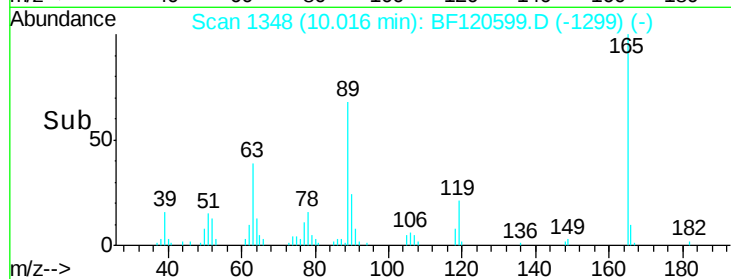
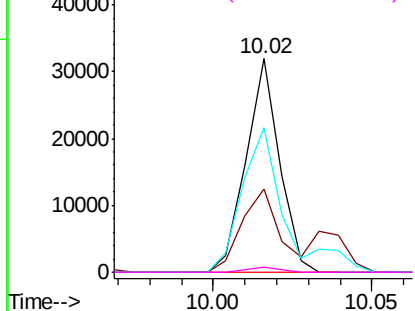
#57
2,4-Dinitrotoluene
Concen: 4.174 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:165 Resp: 23476
Ion Ratio Lower Upper
165 100
63 39.0 29.8 44.8
89 67.6 50.4 75.6
182 2.4 2.1 3.1

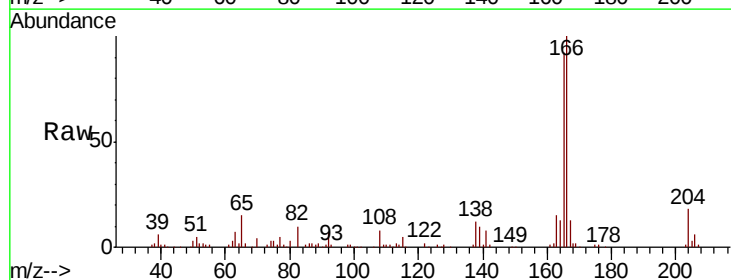


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

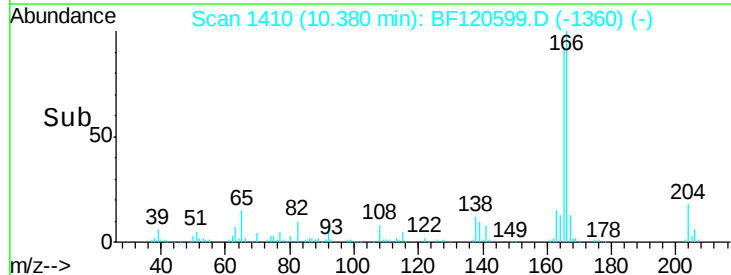
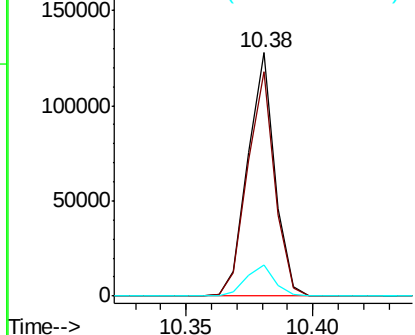


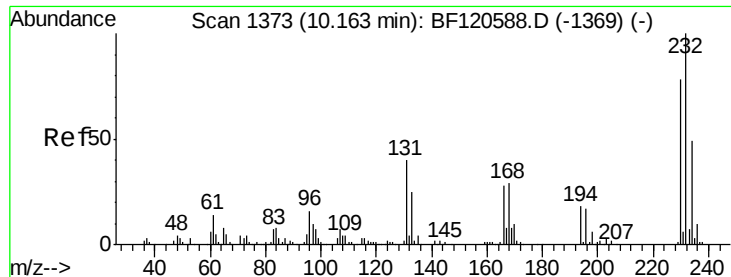
#58
Fluorene
Concen: 5.493 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion:166 Resp: 94778
Ion Ratio Lower Upper
166 100
165 92.3 75.0 112.6
167 12.7 11.0 16.4



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

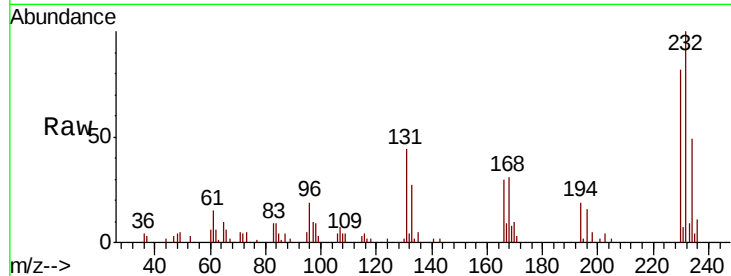




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.408 ng
 RT: 10.16 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
232	100		
131	40.7	33.5	50.3
130	1.3	1.5	2.3
166	28.2	23.4	35.0



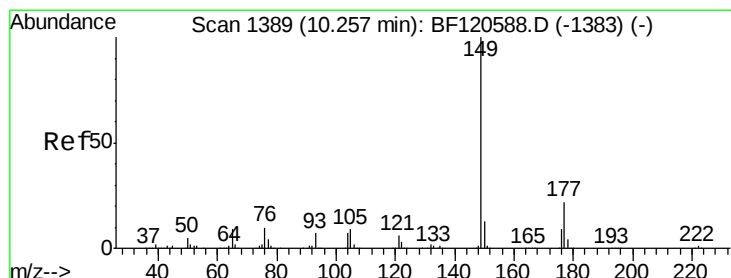
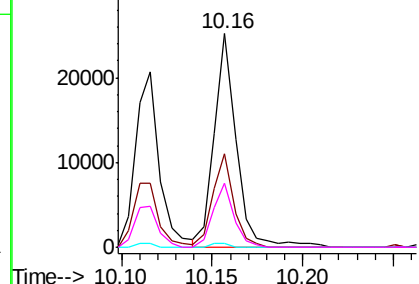
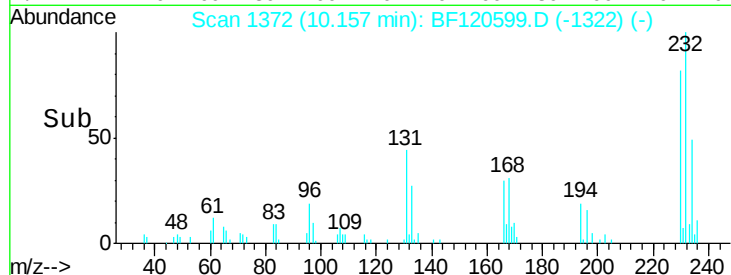
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

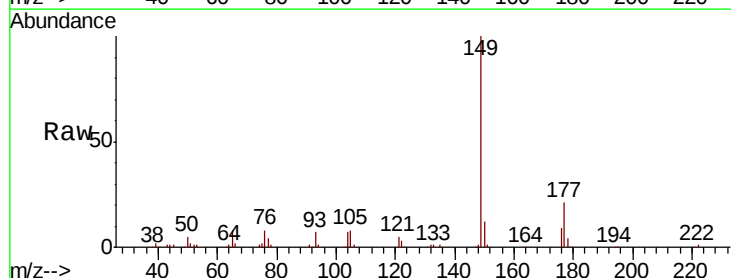
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 5.152 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.2	17.3	25.9
150	12.3	10.3	15.5

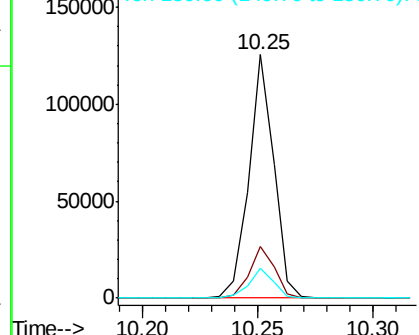
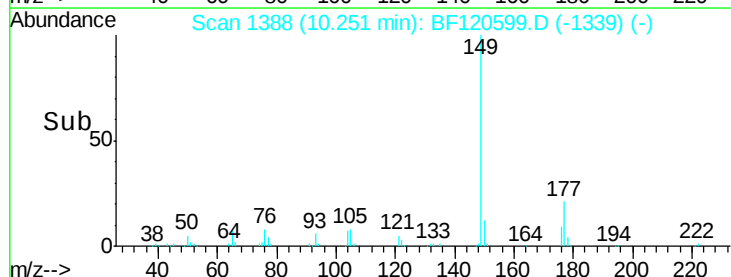


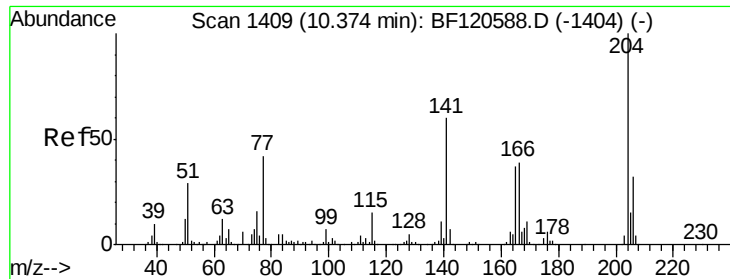
Abundance

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

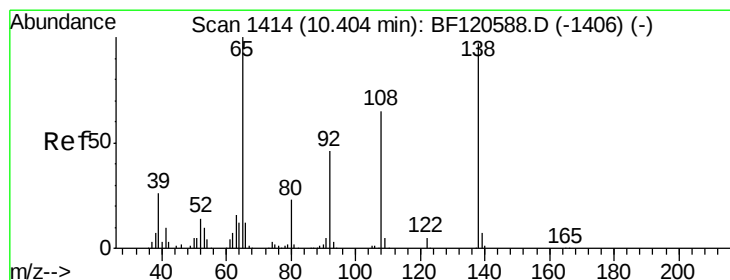
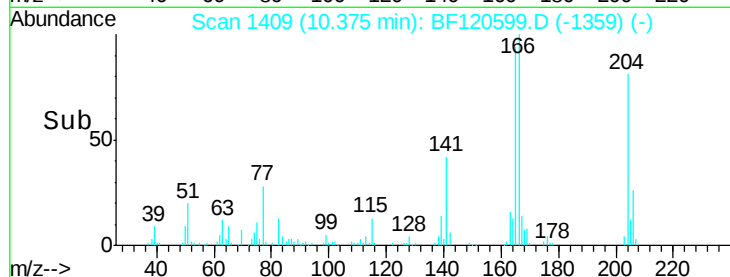
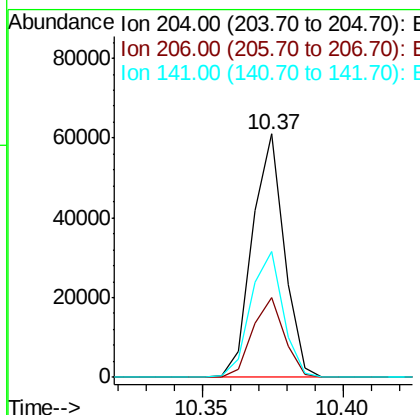
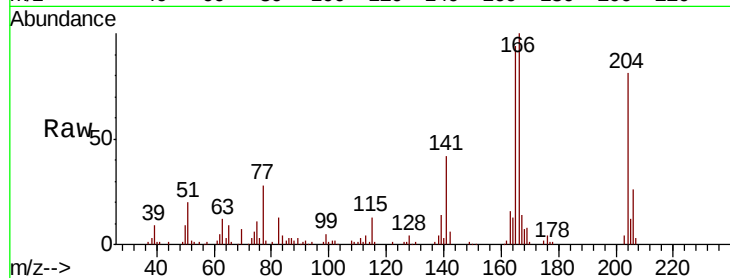




#61
4-Chlorophenyl-phenylether
Concen: 5.352 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

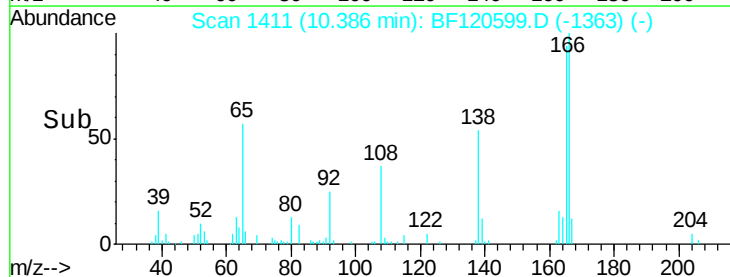
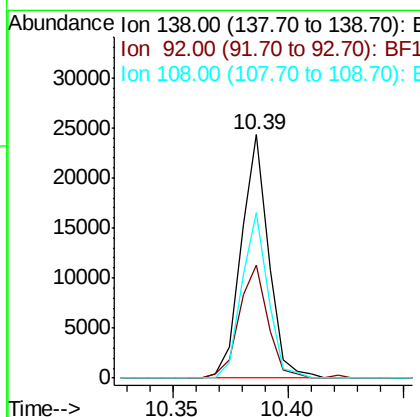
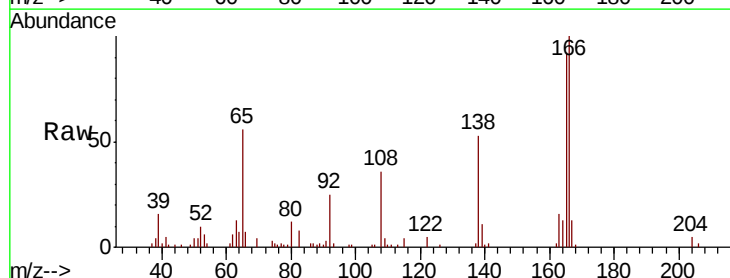
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

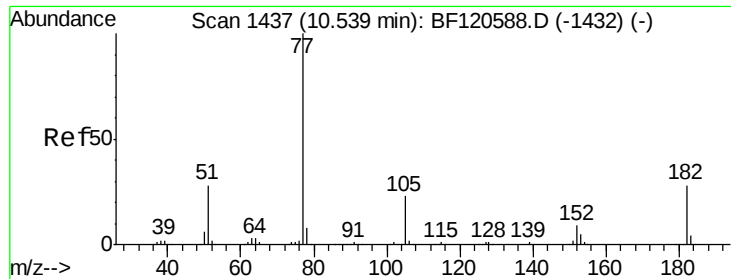
Tot Ion:204 Resp: 47687
Ion Ratio Lower Upper
204 100
206 32.5 25.9 38.9
141 51.8 47.6 71.4



#62
4-Nitroaniline
Concen: 3.981 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.02 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion:138 Resp: 20121
Ion Ratio Lower Upper
138 100
92 46.5 27.3 67.3
108 67.8 47.4 87.4





#63

Azobenzene

Concen: 5.288 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 77 Resp: 88426

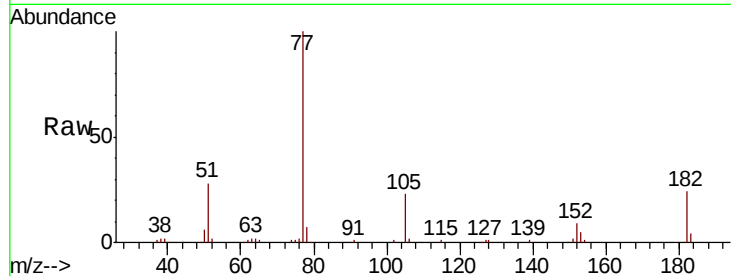
Ion Ratio Lower Upper

77 100

182 24.5 7.7 47.7

105 22.6 3.2 43.2

51 27.6 8.5 48.5

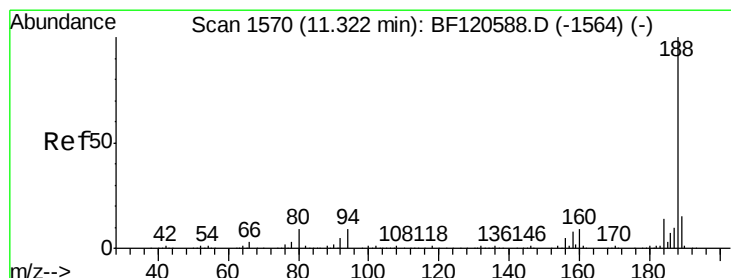
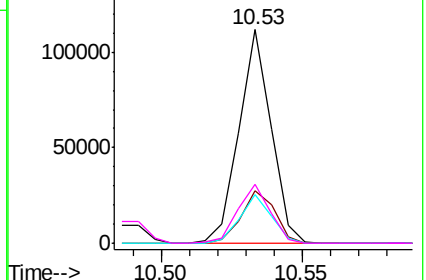
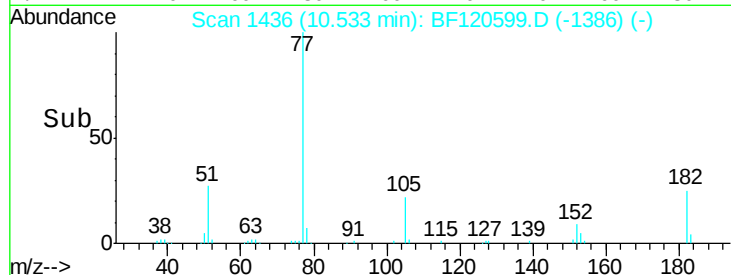


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF120599.D

Acq: 11 Jun 2020 13:32

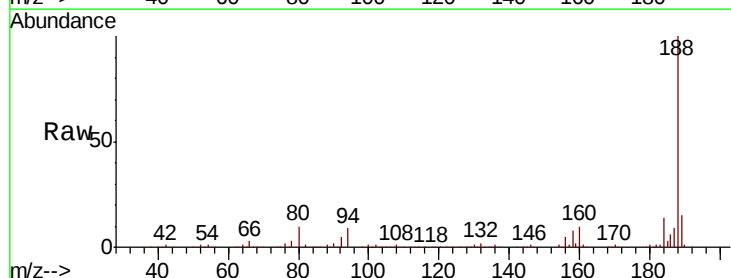
Tgt Ion: 188 Resp: 511172

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

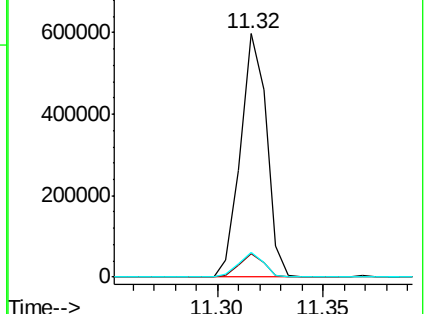
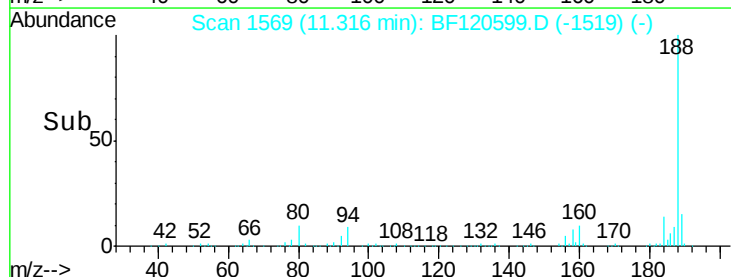
80 10.1 7.4 11.2

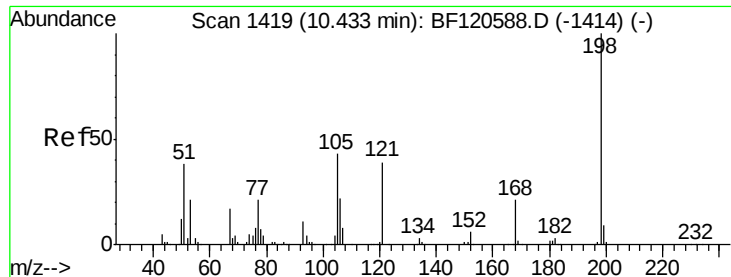


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

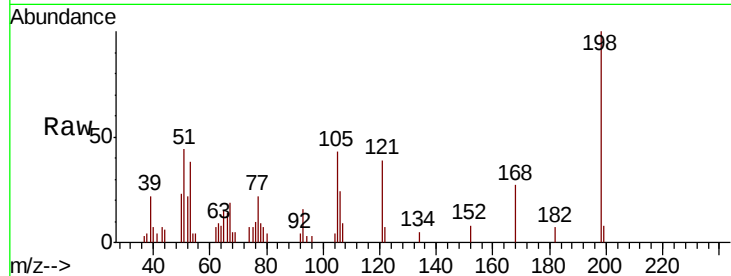




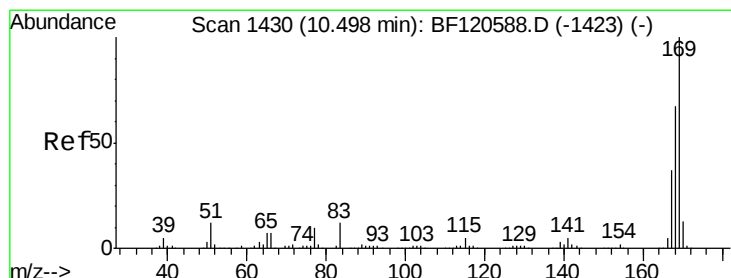
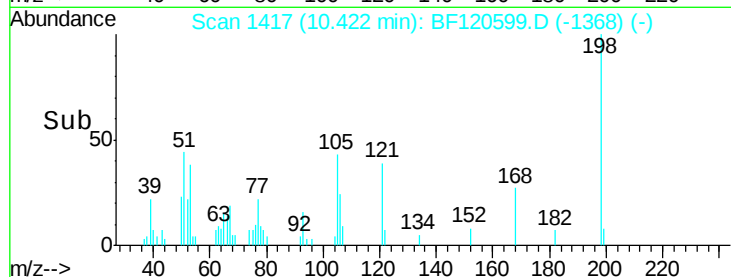
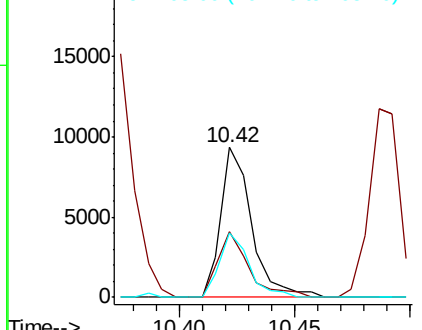
#65
4,6-Dinitro-2-methylphenol
Concen: 2.828 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:198 Resp: 8673
Ion Ratio Lower Upper
198 100
51 44.1 24.8 64.8
105 43.5 23.9 63.9

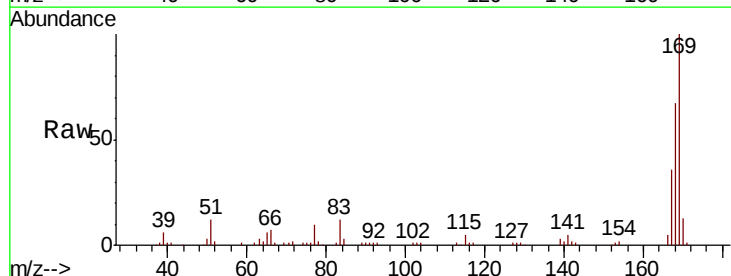


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

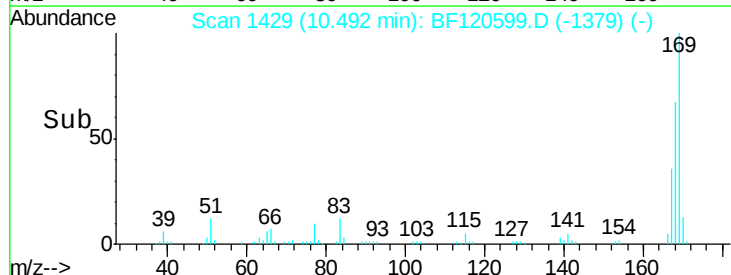
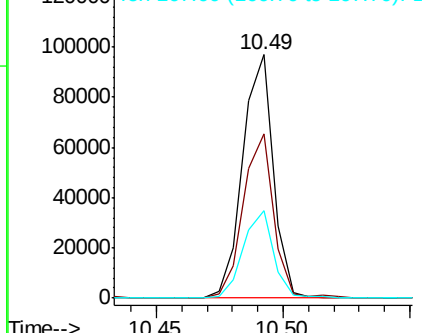


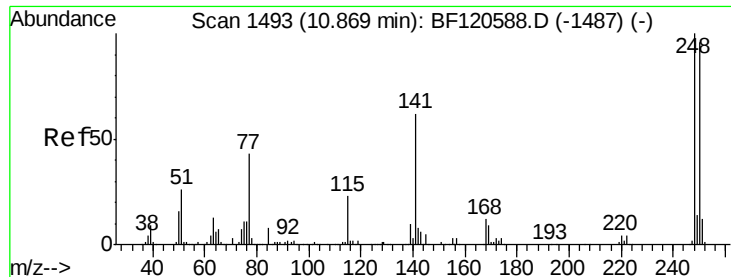
#66
n-Nitrosodiphenylamine
Concen: 5.165 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion:169 Resp: 81080
Ion Ratio Lower Upper
169 100
168 67.3 53.7 80.5
167 36.1 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

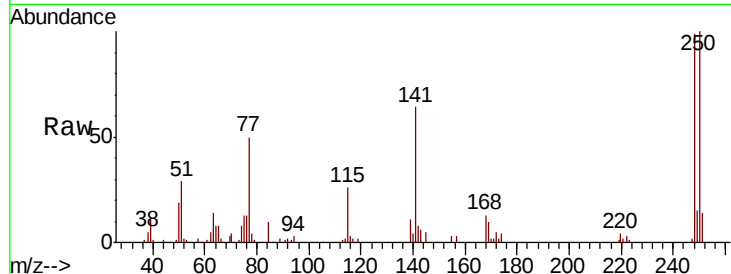




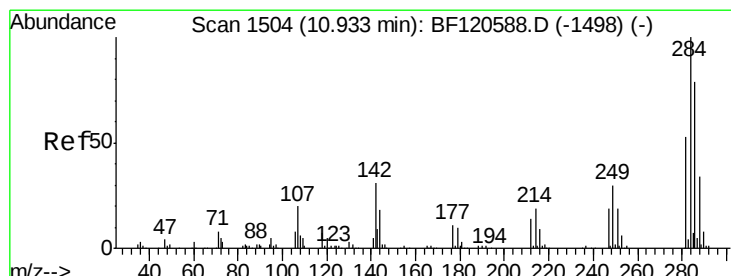
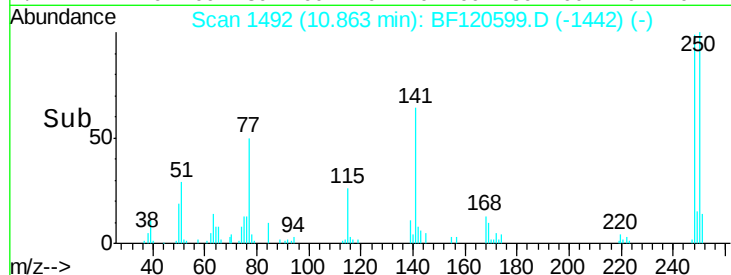
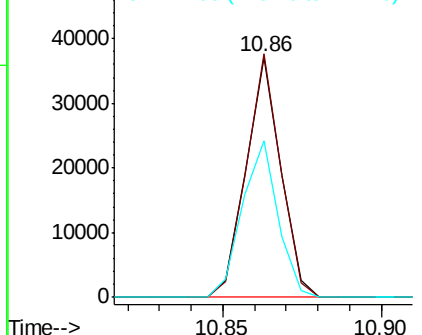
#67
 4-Bromophenyl-phenylether
 Concen: 4.866 ng
 RT: 10.86 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion:248 Resp: 28229
 Ion Ratio Lower Upper
 248 100
 250 101.5 76.7 115.1
 141 65.1 49.4 74.0

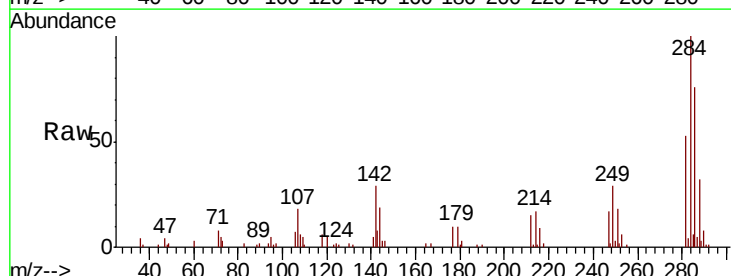


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

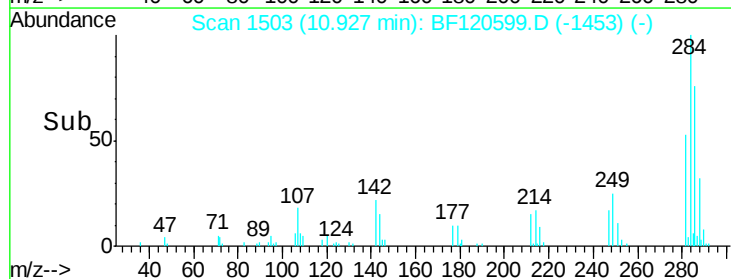
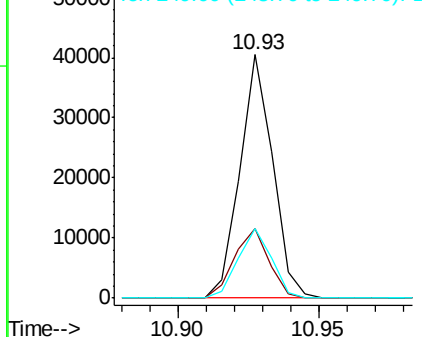


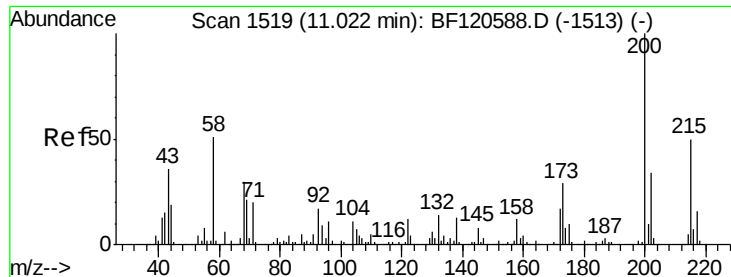
#68
 Hexachlorobenzene
 Concen: 5.207 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Tgt Ion:284 Resp: 32476
 Ion Ratio Lower Upper
 284 100
 142 28.8 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

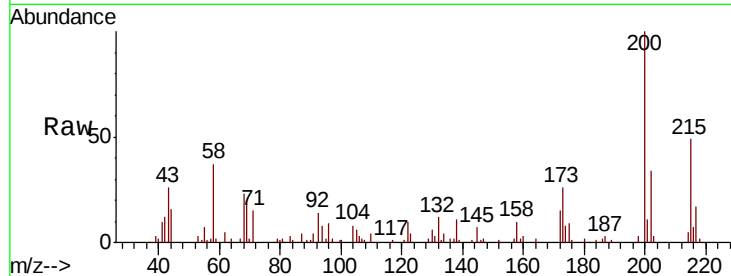




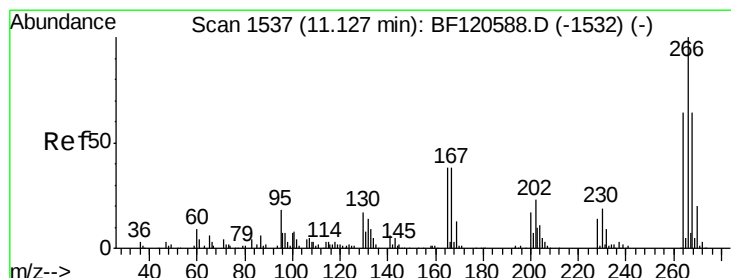
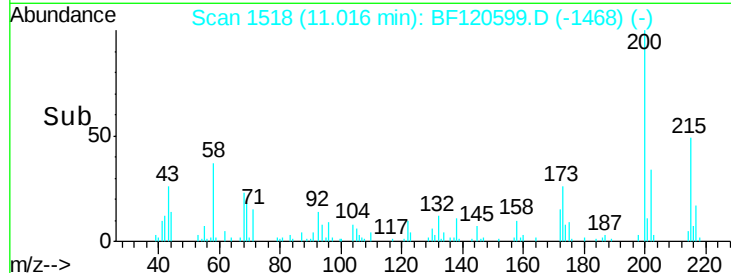
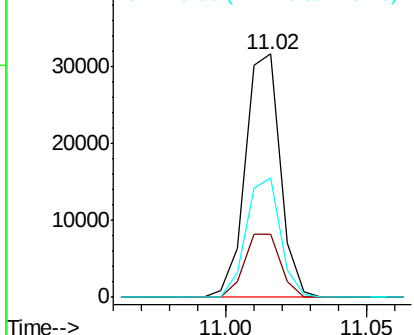
#69
Atrazine
Concen: 5.558 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:200 Resp: 27000
Ion Ratio Lower Upper
200 100
173 26.2 9.1 49.1
215 49.3 29.8 69.8

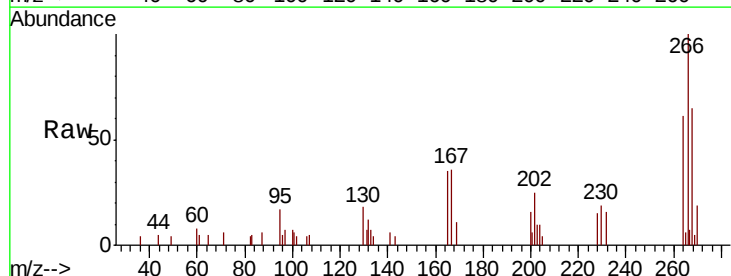


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

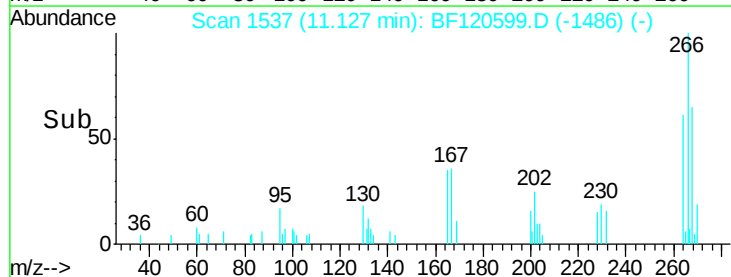
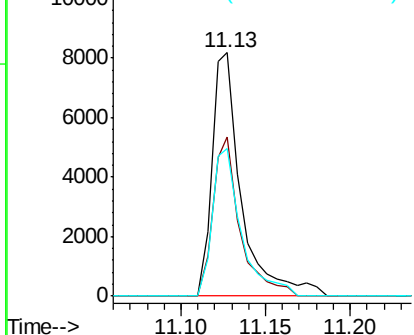


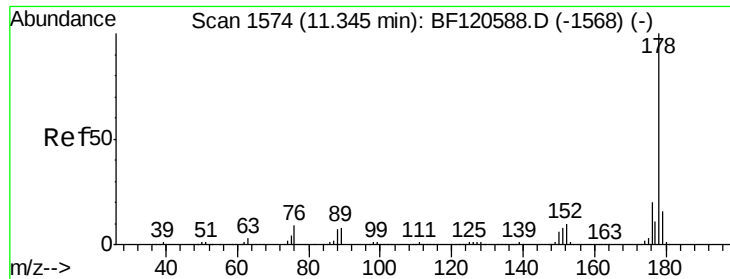
#70
Pentachlorophenol
Concen: 2.860 ng
RT: 11.13 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion:266 Resp: 9918
Ion Ratio Lower Upper
266 100
268 65.1 51.4 77.0
264 60.6 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

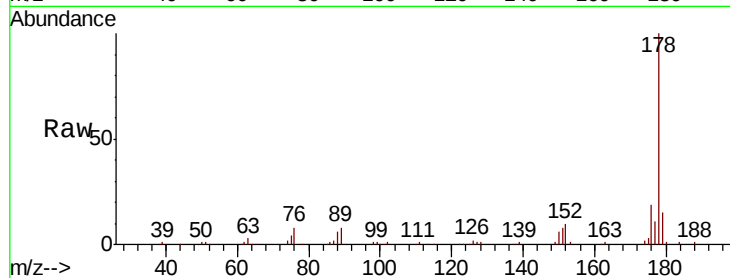




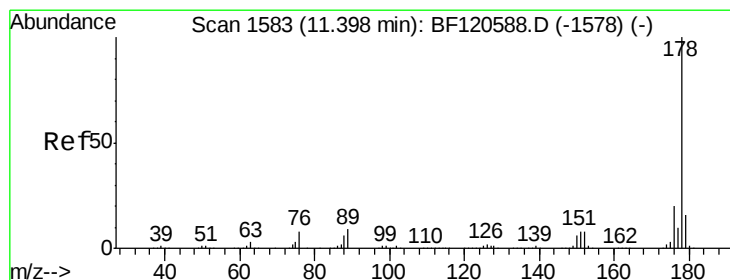
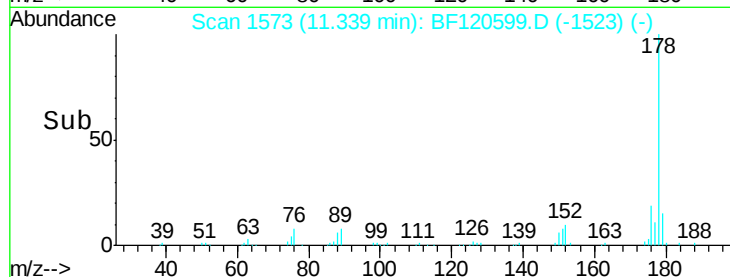
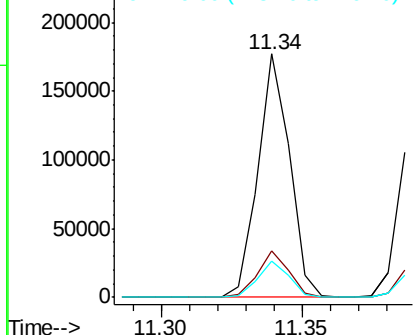
#71
Phenanthrene
Concen: 5.404 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:178 Resp: 137307
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 14.8 12.8 19.2

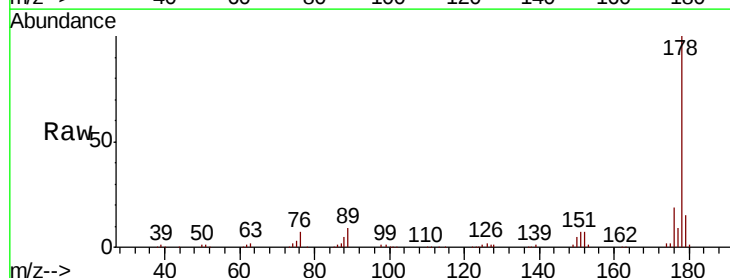


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

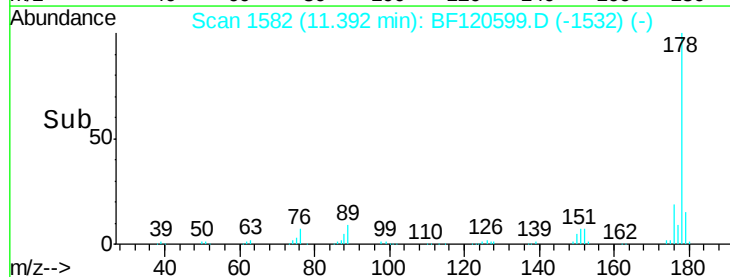
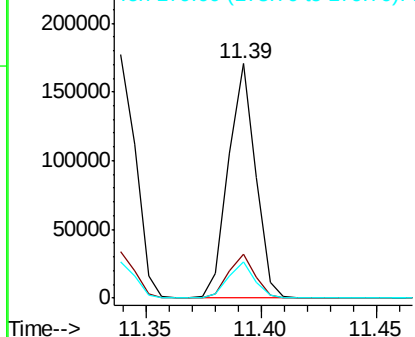


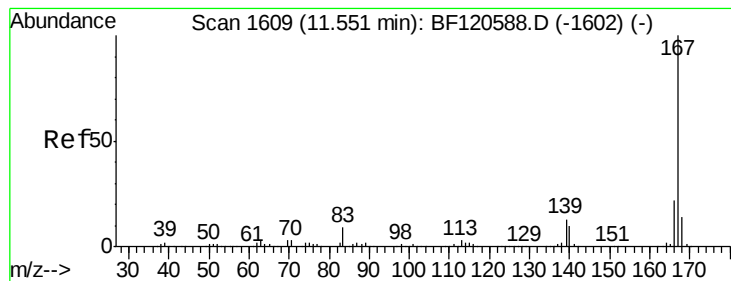
#72
Anthracene
Concen: 5.461 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion:178 Resp: 139860
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.4 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: 4.950 ng

RT: 11.55 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

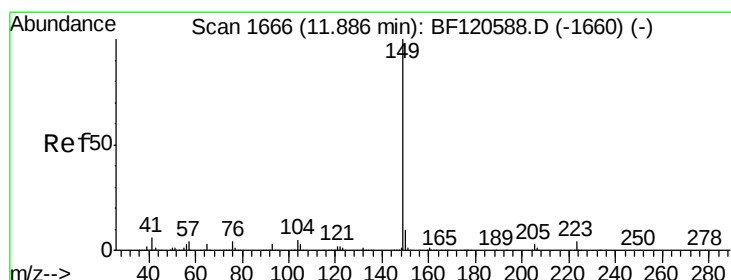
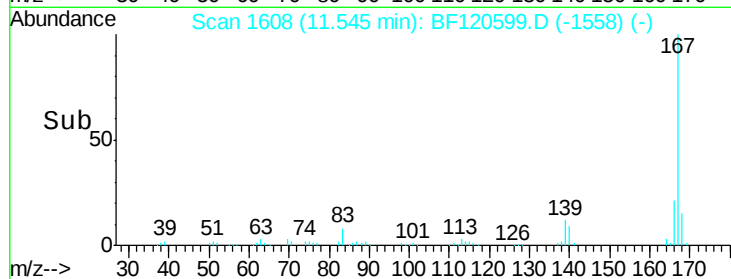
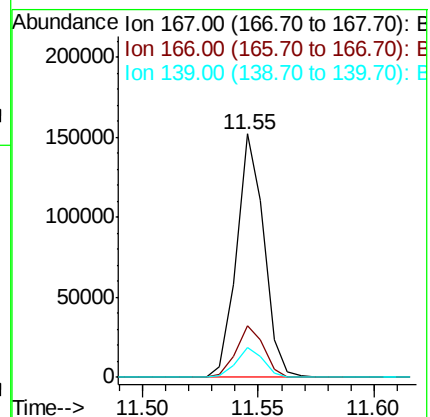
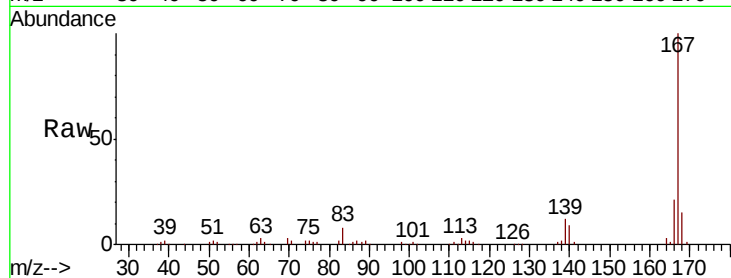
Tot Ion:167 Resp: 125508

Ion Ratio Lower Upper

167 100

166 20.9 17.2 25.8

139 12.2 10.1 15.1



#74

Di-n-butylphthalate

Concen: 5.155 ng

RT: 11.88 min Scan# 1665

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

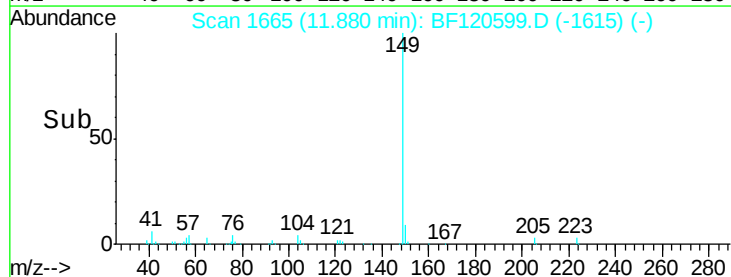
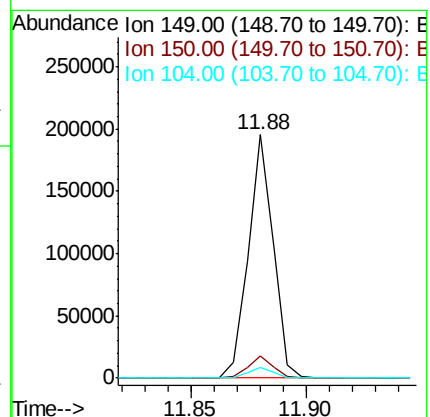
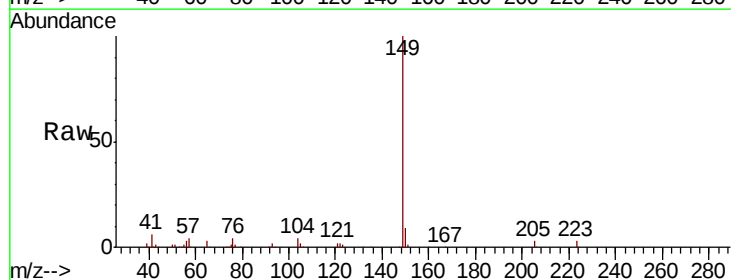
Tgt Ion:149 Resp: 146935

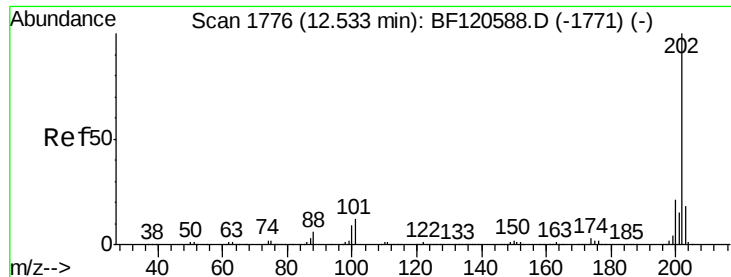
Ion Ratio Lower Upper

149 100

150 9.2 7.7 11.5

104 4.4 3.7 5.5

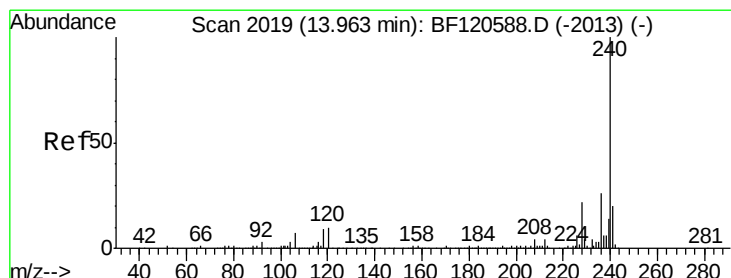
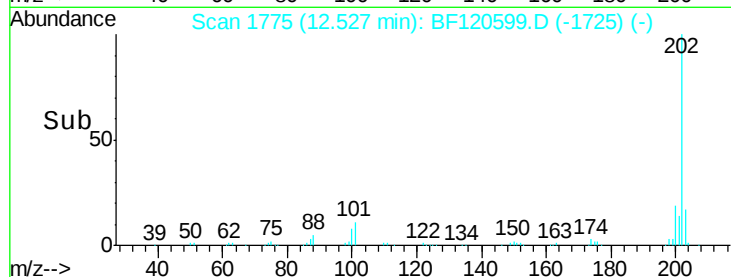
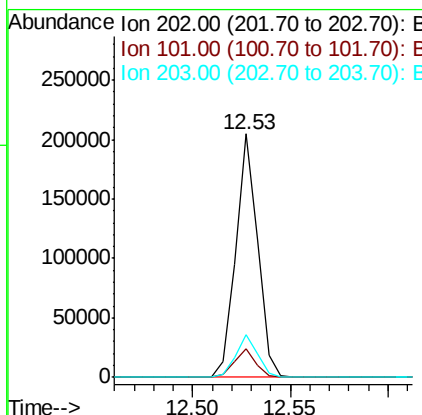
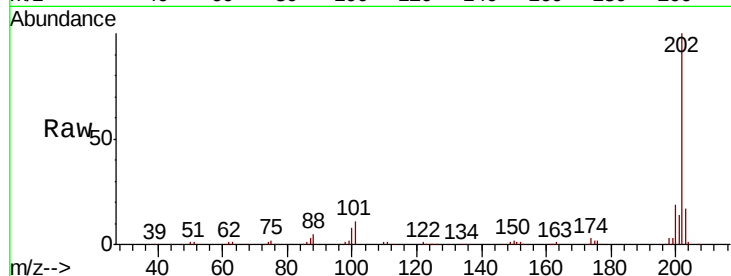




#75
Fluoranthene
Concen: 5.465 ng
RT: 12.53 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

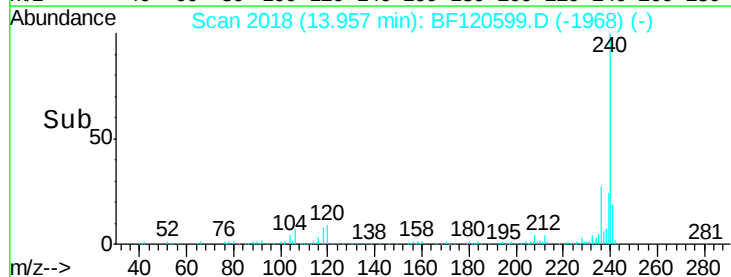
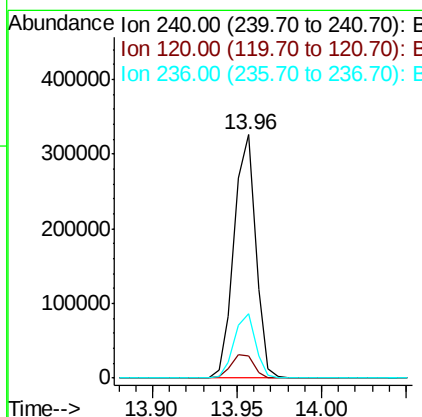
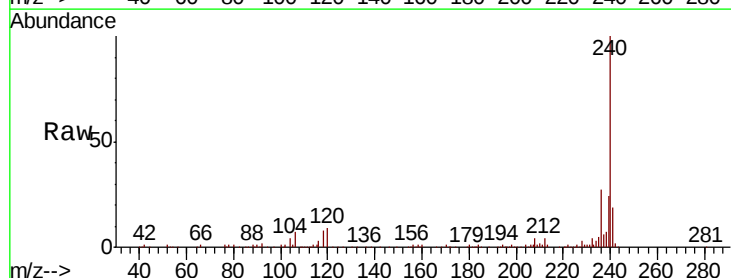
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

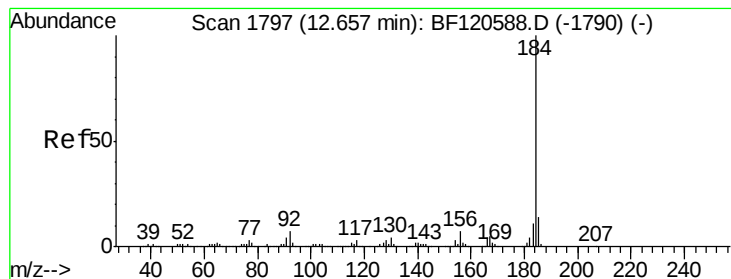
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.0
203	17.5	0.0	38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.0	8.3	12.5
236	26.7	21.0	31.4





#77

Benzidine

Concen: 2.502 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.25 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

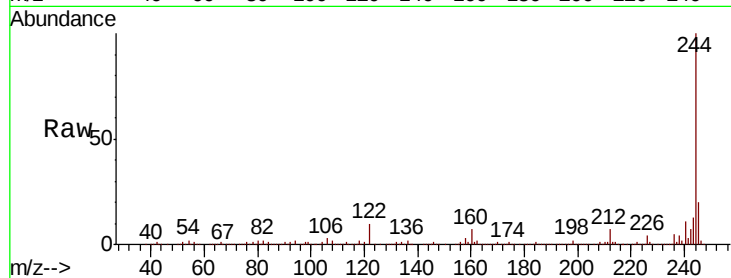
Tot Ion:184 Resp: 24568

Ion Ratio Lower Upper

184 100

185 15.4 11.4 17.0

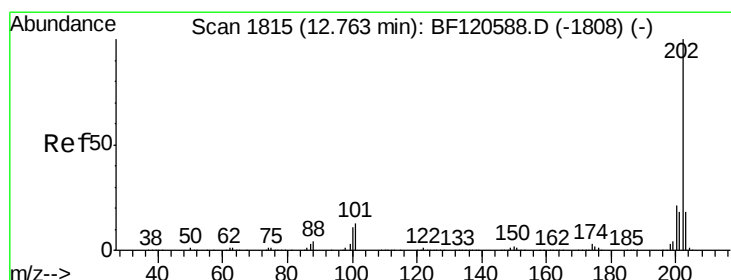
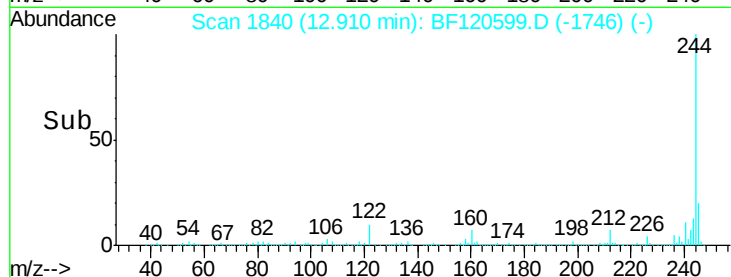
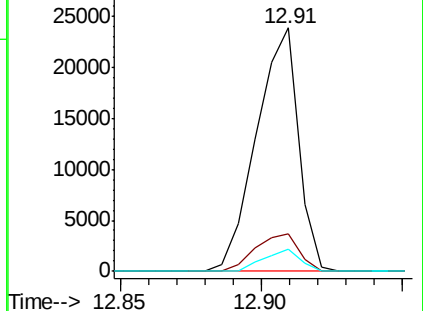
183 9.1 9.0 13.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 8.053 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

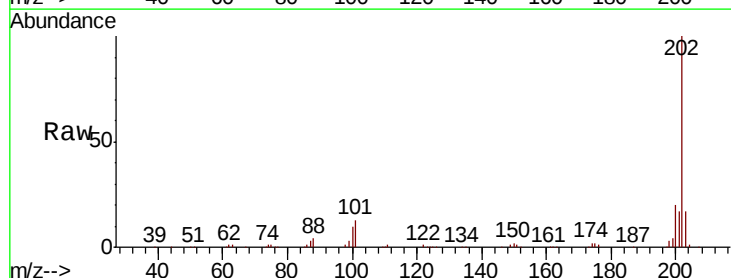
Tgt Ion:202 Resp: 165654

Ion Ratio Lower Upper

202 100

200 19.8 16.8 25.2

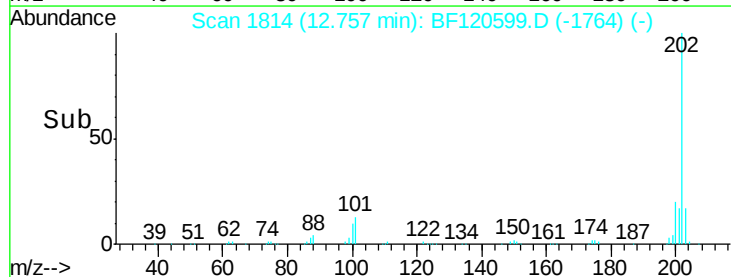
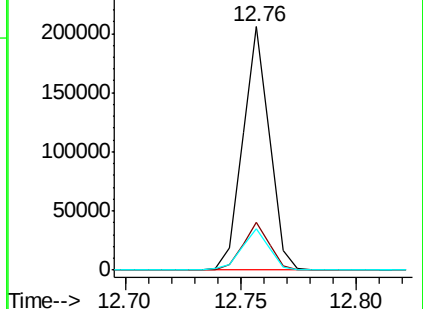
203 17.0 14.3 21.5

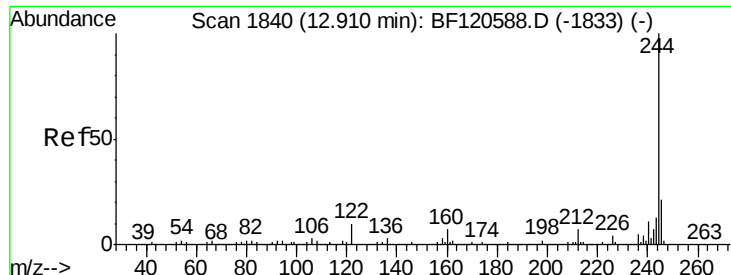


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 147.141 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

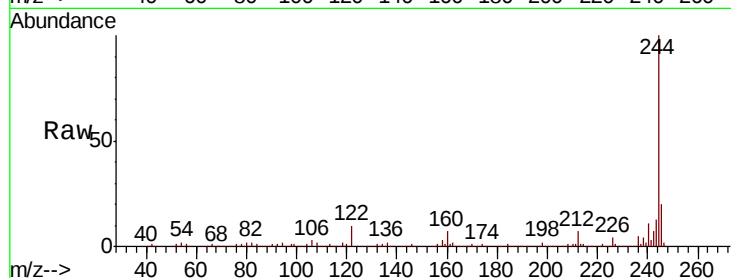
BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:244 Resp: 1934227

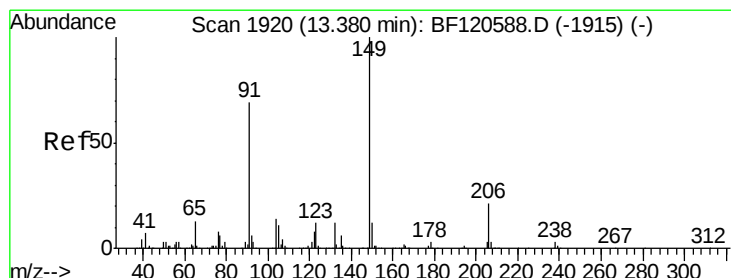
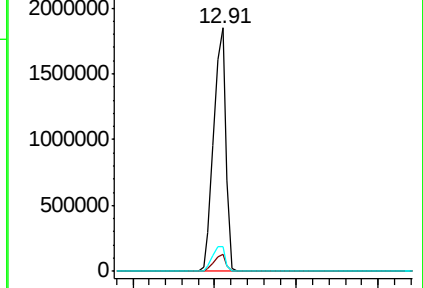
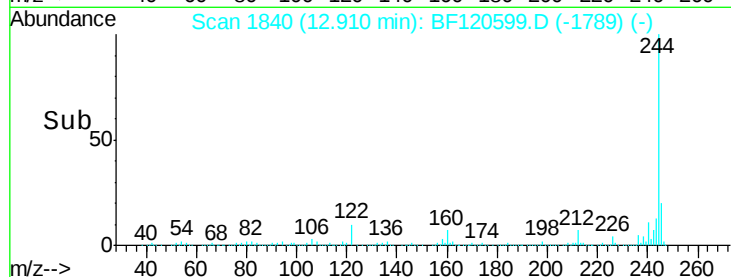
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	10.3	8.3	12.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 6.467 ng

RT: 13.37 min Scan# 1919

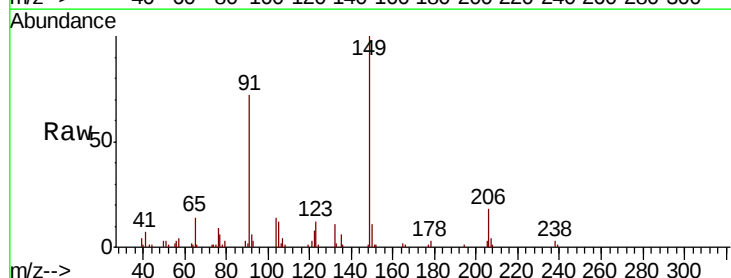
Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Tgt Ion:149 Resp: 59071

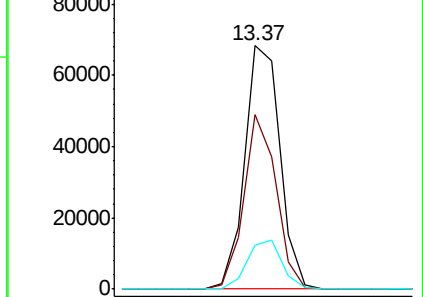
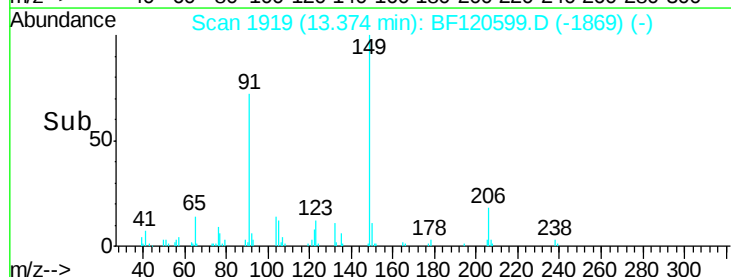
Ion	Ratio	Lower	Upper
149	100		
91	71.9	55.4	83.0
206	18.1	17.0	25.4

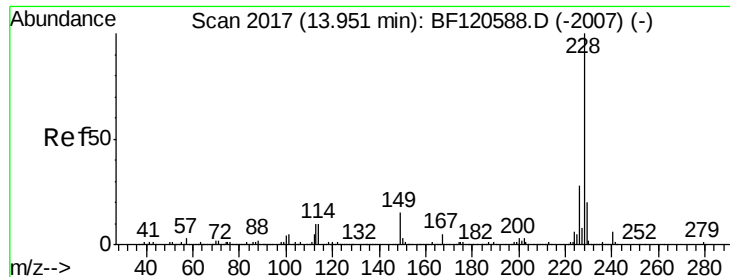


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 5.696 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

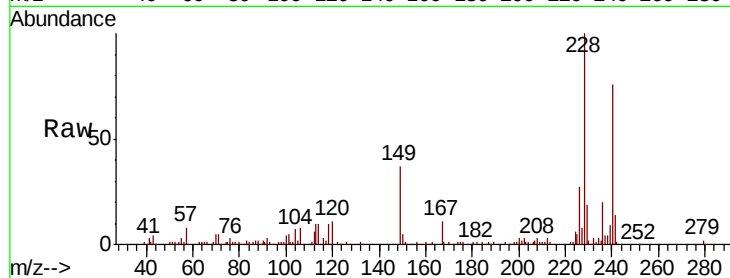
Tot Ion:228 Resp: 99369

Ion Ratio Lower Upper

228 100

226 27.2 22.5 33.7

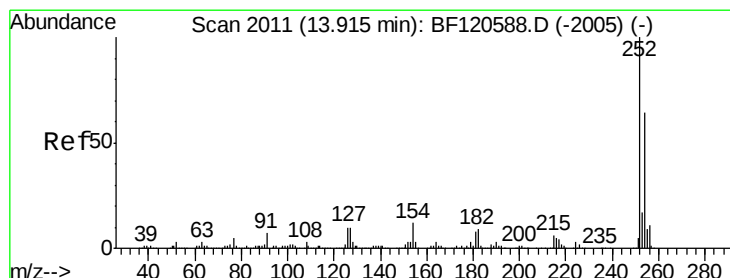
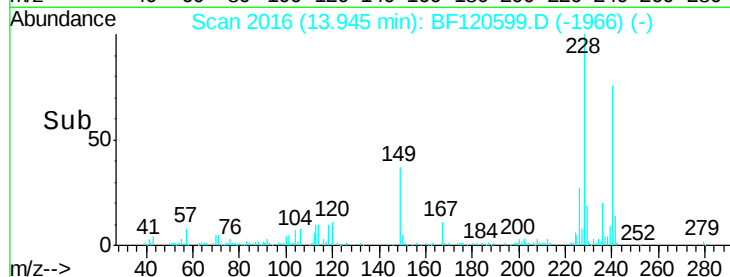
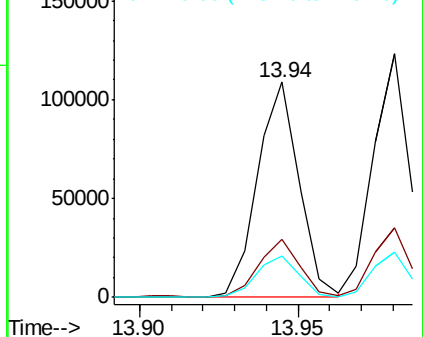
229 19.2 16.1 24.1



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: 5.702 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

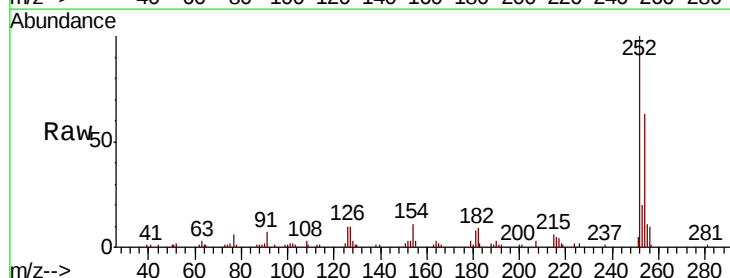
Tgt Ion:252 Resp: 37993

Ion Ratio Lower Upper

252 100

254 63.2 51.4 77.2

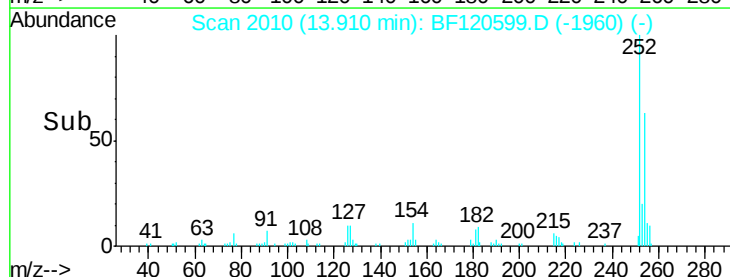
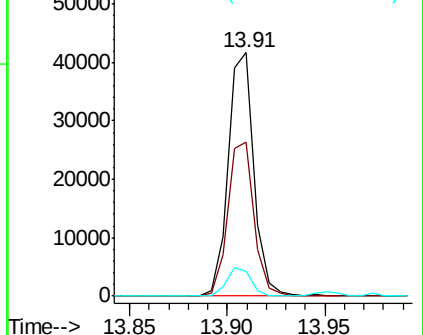
126 10.4 7.9 11.9

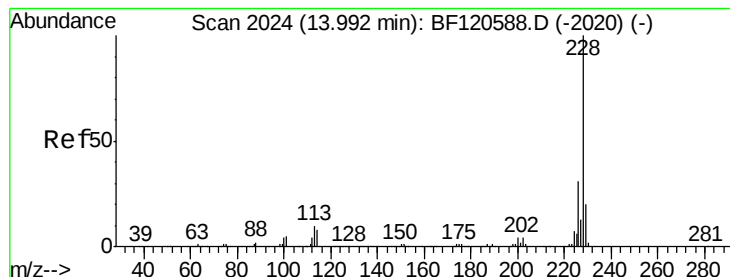


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 5.527 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

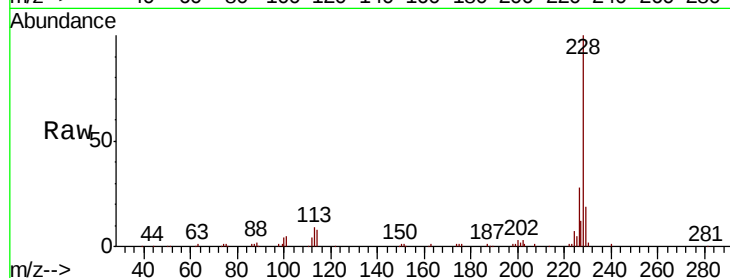
Tot Ion:228 Resp: 98895

Ion Ratio Lower Upper

228 100

226 28.4 24.9 37.3

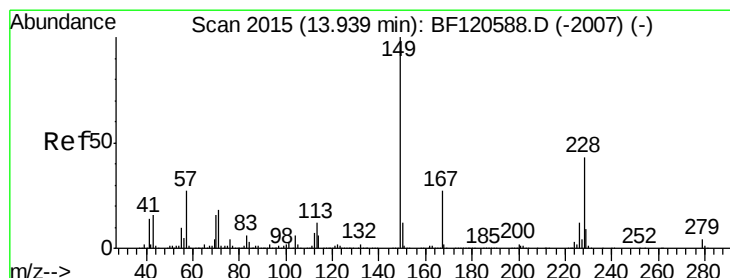
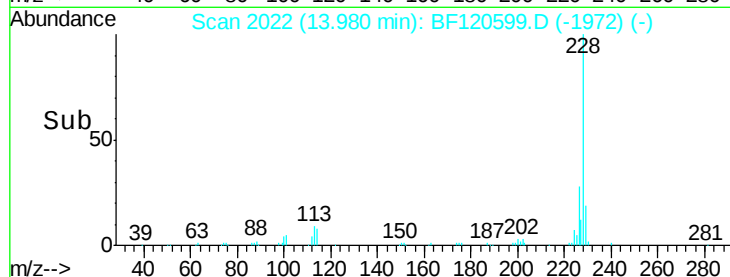
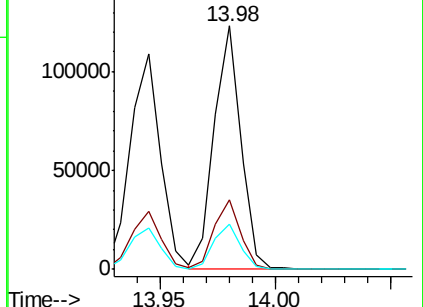
229 18.6 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.524 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

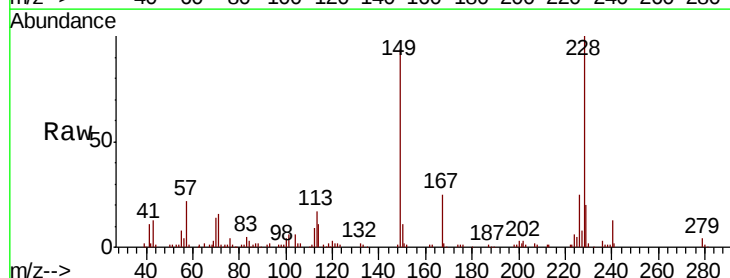
Tgt Ion:149 Resp: 61573

Ion Ratio Lower Upper

149 100

167 26.9 22.0 33.0

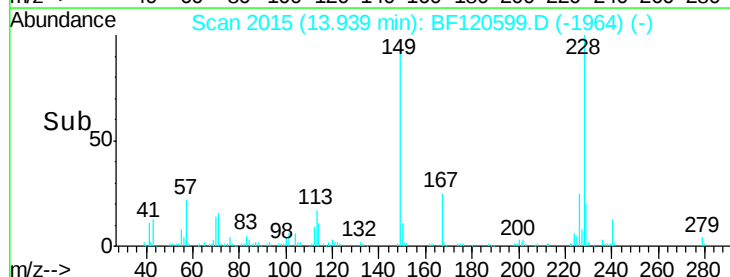
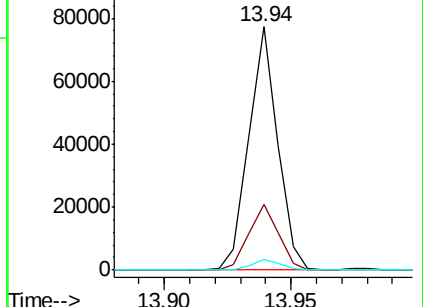
279 4.2 3.0 4.6

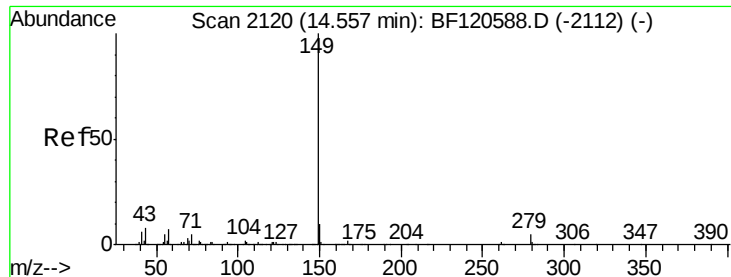


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 4.812 ng

RT: 14.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

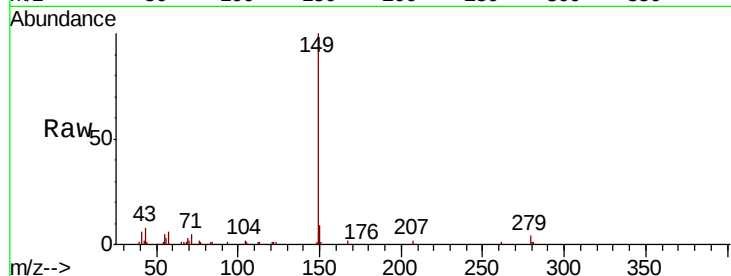
Tot Ion:149 Resp: 102377

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

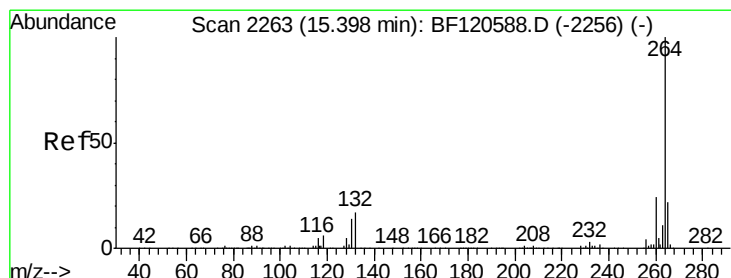
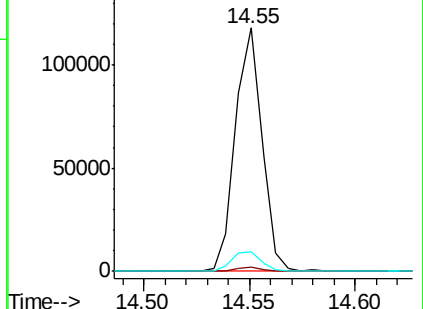
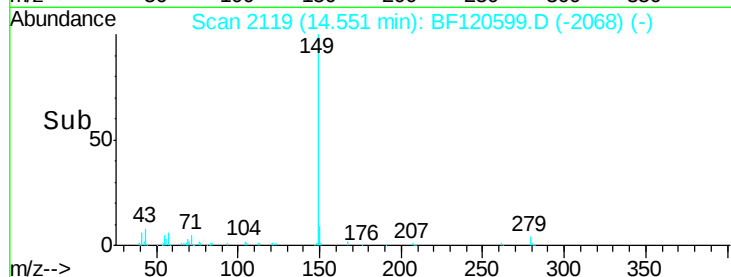
43 9.2 7.6 11.4



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: 15.40 min Scan# 2263

Delta R.T. 0.00 min

Lab File: BF120599.D

Acq: 11 Jun 2020 13:32

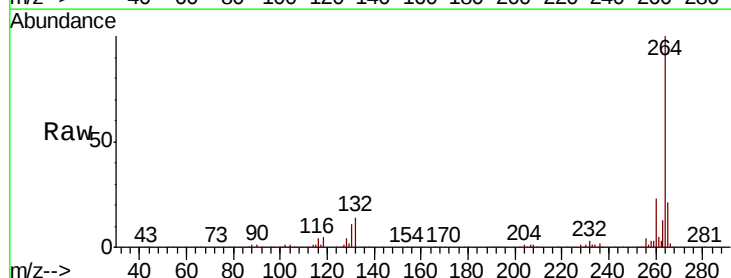
Tgt Ion:264 Resp: 325909

Ion Ratio Lower Upper

264 100

260 23.3 19.3 28.9

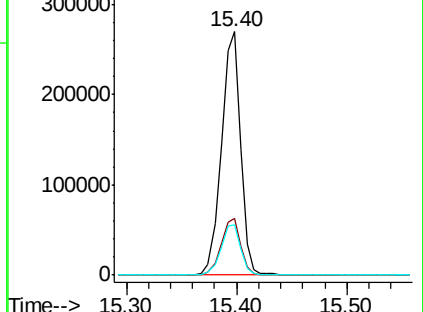
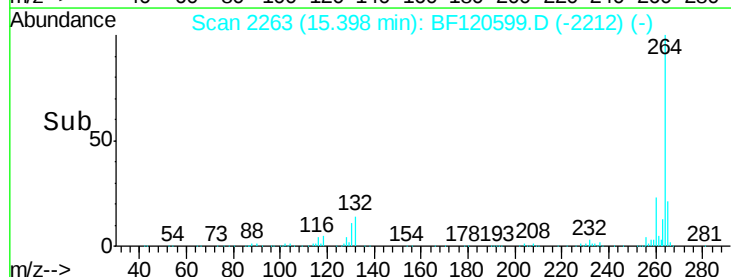
265 20.8 17.8 26.8

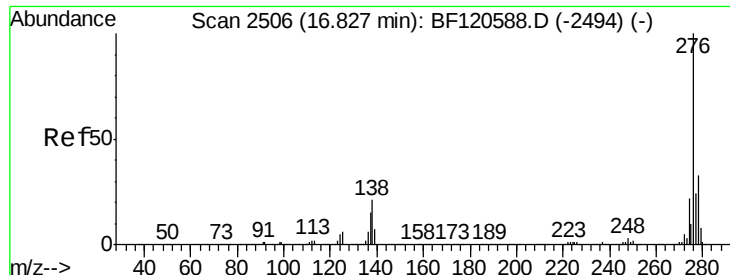


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

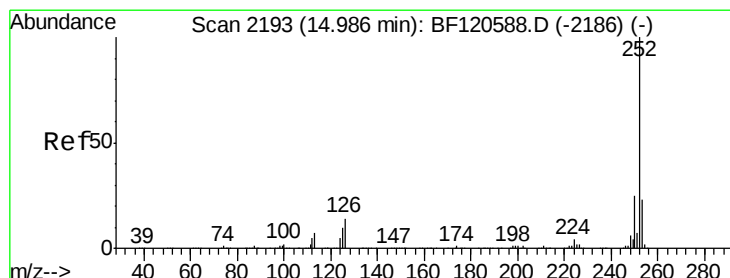
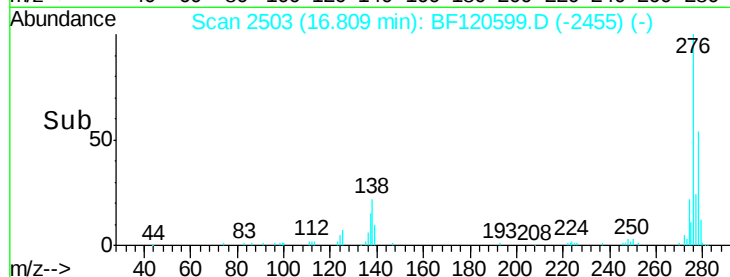
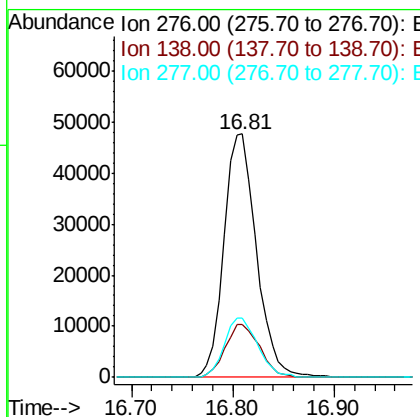
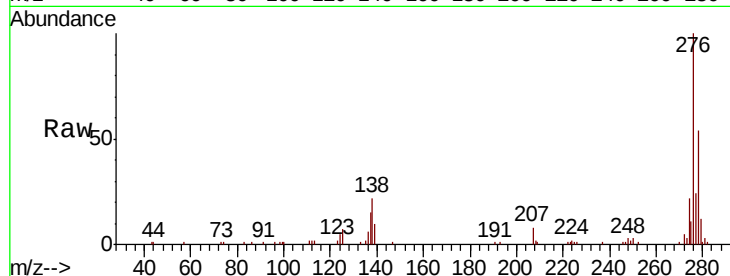




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.352 ng
 RT: 16.81 min Scan# 2503
 Delta R.T. -0.02 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

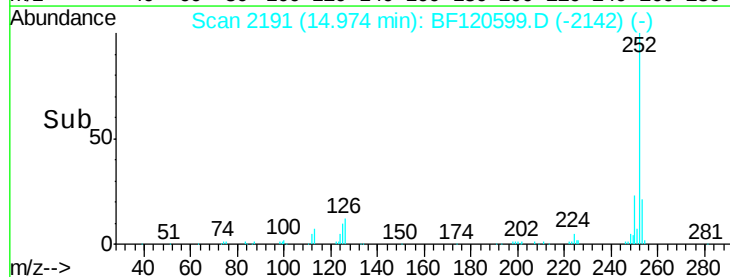
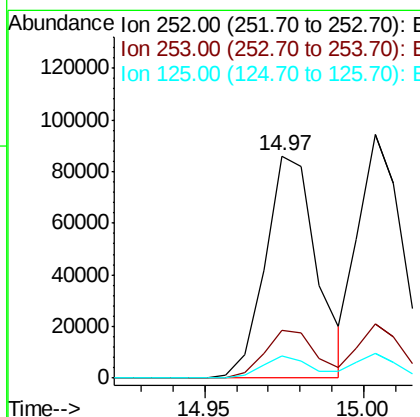
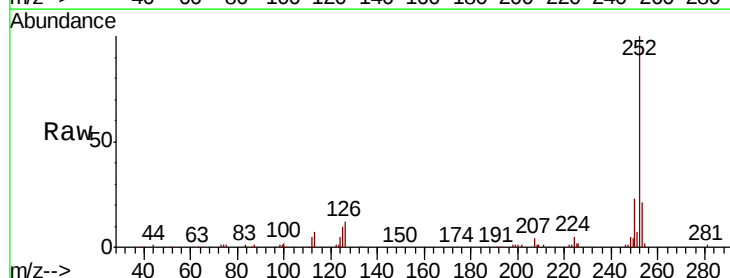
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

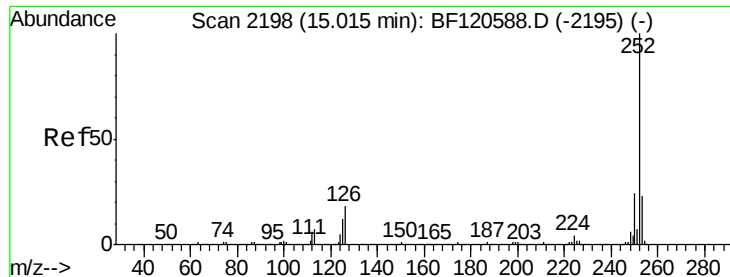
Tot Ion:276 Resp: 106093
 Ion Ratio Lower Upper
 276 100
 138 22.7 18.9 28.3
 277 24.8 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 5.011 ng
 RT: 14.97 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BF120599.D
 Acq: 11 Jun 2020 13:32

Tgt Ion:252 Resp: 97290
 Ion Ratio Lower Upper
 252 100
 253 21.3 18.1 27.1
 125 10.0 8.3 12.5

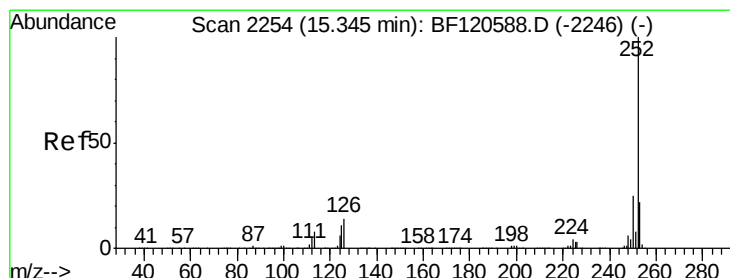
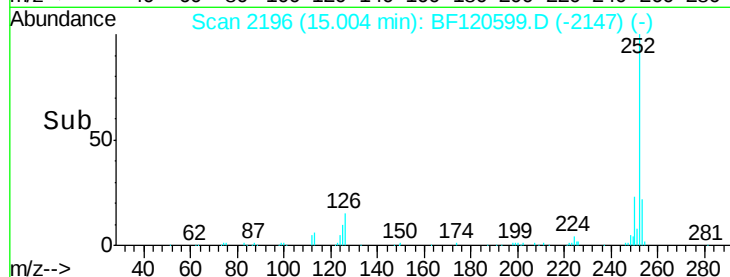
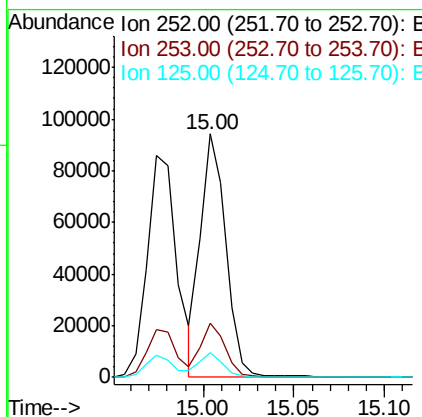
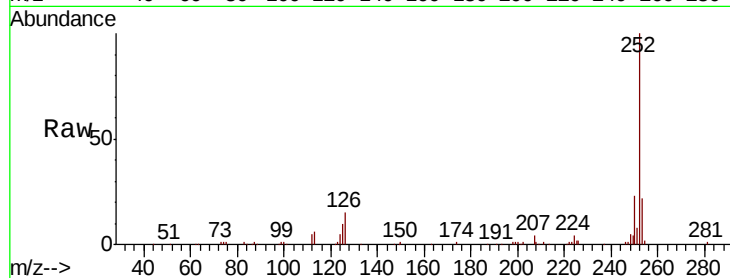




#89
Benzo(k)fluoranthene
Concen: 5.361 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

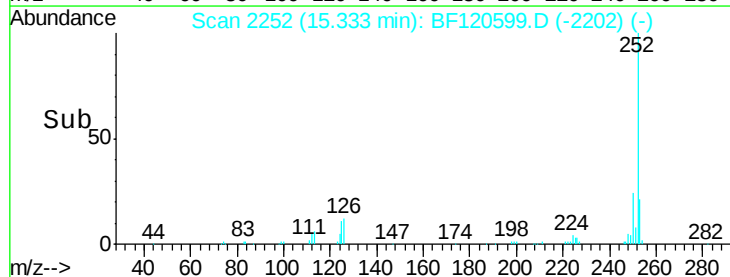
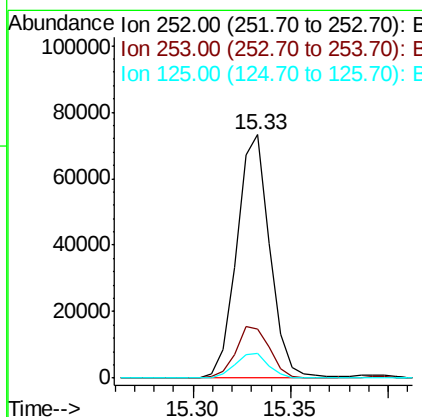
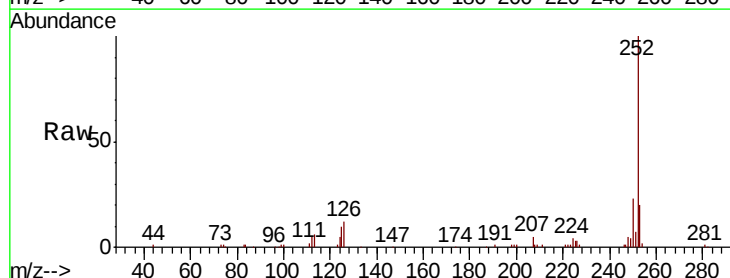
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

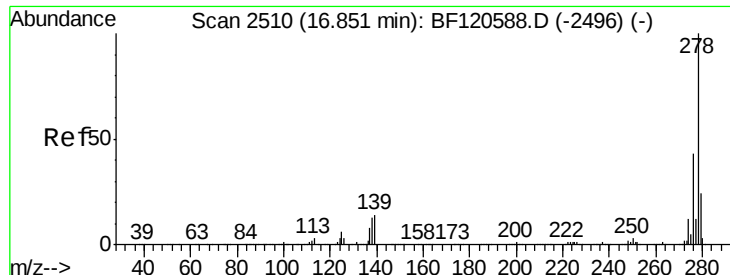
Tot Ion:252 Resp: 92088
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 10.2 8.3 12.5



#90
Benzo(a)pyrene
Concen: 4.946 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.01 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion:252 Resp: 85933
Ion Ratio Lower Upper
252 100
253 20.3 17.8 26.8
125 10.4 8.6 12.8

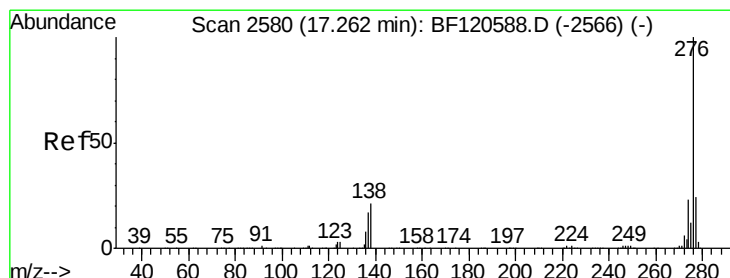
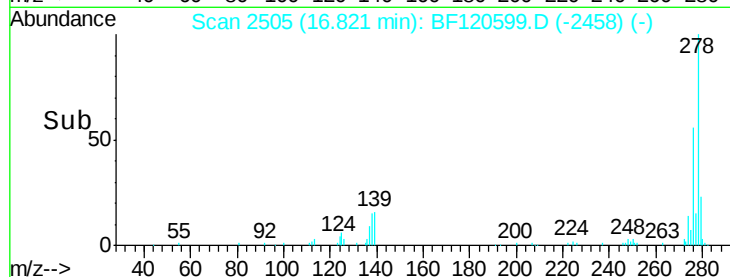
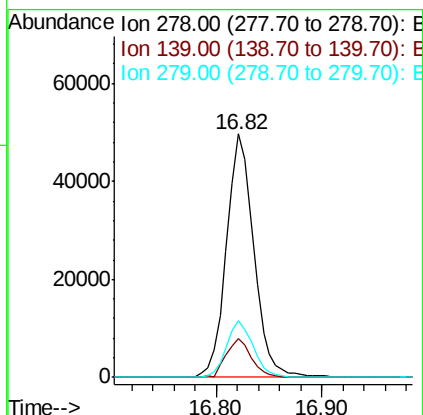
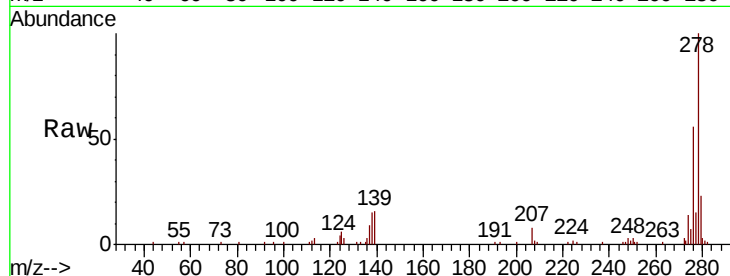




#91
Dibenzo(a,h)anthracene
Concen: 5.610 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.02 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.2	11.4	17.2
279	23.4	19.1	28.7



#92
Benzo(g,h,i)perylene
Concen: 5.625 ng
RT: 17.23 min Scan# 2575
Delta R.T. -0.02 min
Lab File: BF120599.D
Acq: 11 Jun 2020 13:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.6	29.4
138	19.5	16.5	24.7

