

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061120\
 Data File : BF120600.D
 Acq On : 11 Jun 2020 14:01
 Operator : JU/CG
 Sample : L1161-01
 Misc : LOD-MDL-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jun 11 14:33:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 14:06:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	143890	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	526893	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	274027	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	525190	20.00	ng	0.00
76) Chrysene-d12	13.96	240	424206	20.00	ng	0.00
86) Perylene-d12	15.39	264	485365	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1232699	146.88	ng	0.00
7) Phenol-d6	6.44	99	1542792	147.59	ng	0.00
23) Nitrobenzene-d5	7.36	82	986018	104.60	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	473894	148.75	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1755810	98.03	ng	0.00
79) Terphenyl-d14	12.91	244	1961275	102.13	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.48	88	30481	7.663	ng	99
3) Pyridine	3.27	79	61893	5.535	ng	94
4) n-Nitrosodimethylamine	3.15	42	34722	7.482	ng	# 96
6) Aniline	6.46	93	112121	8.381	ng	98
8) 2-Chlorophenol	6.59	128	74966	7.904	ng	98
9) Benzaldehyde	6.35	77	64347	9.732	ng	99
10) Phenol	6.45	94	97659	8.756	ng	98
11) bis(2-Chloroethyl)ether	6.54	93	73441	7.906	ng	96
12) 1,3-Dichlorobenzene	6.74	146	82057	8.138	ng	98
13) 1,4-Dichlorobenzene	6.82	146	82854	8.329	ng	98
14) 1,2-Dichlorobenzene	6.97	146	77508	7.998	ng	97
15) Benzyl Alcohol	6.93	79	73416	9.904	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.07	45	108358	8.101	ng	100
17) 2-Methylphenol	7.05	107	60831	7.520	ng	98
18) Hexachloroethane	7.31	117	29563	8.065	ng	93
19) n-Nitroso-di-n-propylamine	7.20	70	52044	8.583	ng	97
20) 3+4-Methylphenols	7.20	107	77875	7.704	ng	# 79
22) Acetophenone	7.20	105	110195	9.355	ng	# 97
24) Nitrobenzene	7.38	77	81488	8.261	ng	96
25) Isophorone	7.62	82	142679	7.770	ng	95
26) 2-Nitrophenol	7.70	139	35342	6.772	ng	94
27) 2,4-Dimethylphenol	7.73	122	54797	7.132	ng	98
28) bis(2-Chloroethoxy)methane	7.83	93	90919	8.542	ng	98
29) 2,4-Dichlorophenol	7.94	162	60297	7.720	ng	97
30) 1,2,4-Trichlorobenzene	8.02	180	69924	8.078	ng	99
31) Naphthalene	8.10	128	226731	8.763	ng	99
32) Benzoic acid	7.80	122	21038	3.569	ng	94
33) 4-Chloroaniline	8.15	127	91115	7.673	ng	99
34) Hexachlorobutadiene	8.22	225	40322	7.992	ng	99
35) Caprolactam	8.48	113	20124	8.056	ng	# 78
36) 4-Chloro-3-methylphenol	8.63	107	61369	7.865	ng	98
37) 2-Methylnaphthalene	8.79	142	151877	8.992	ng	99
38) 1-Methylnaphthalene	8.89	142	140599	8.847	ng	97
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	72499	8.861	ng	98

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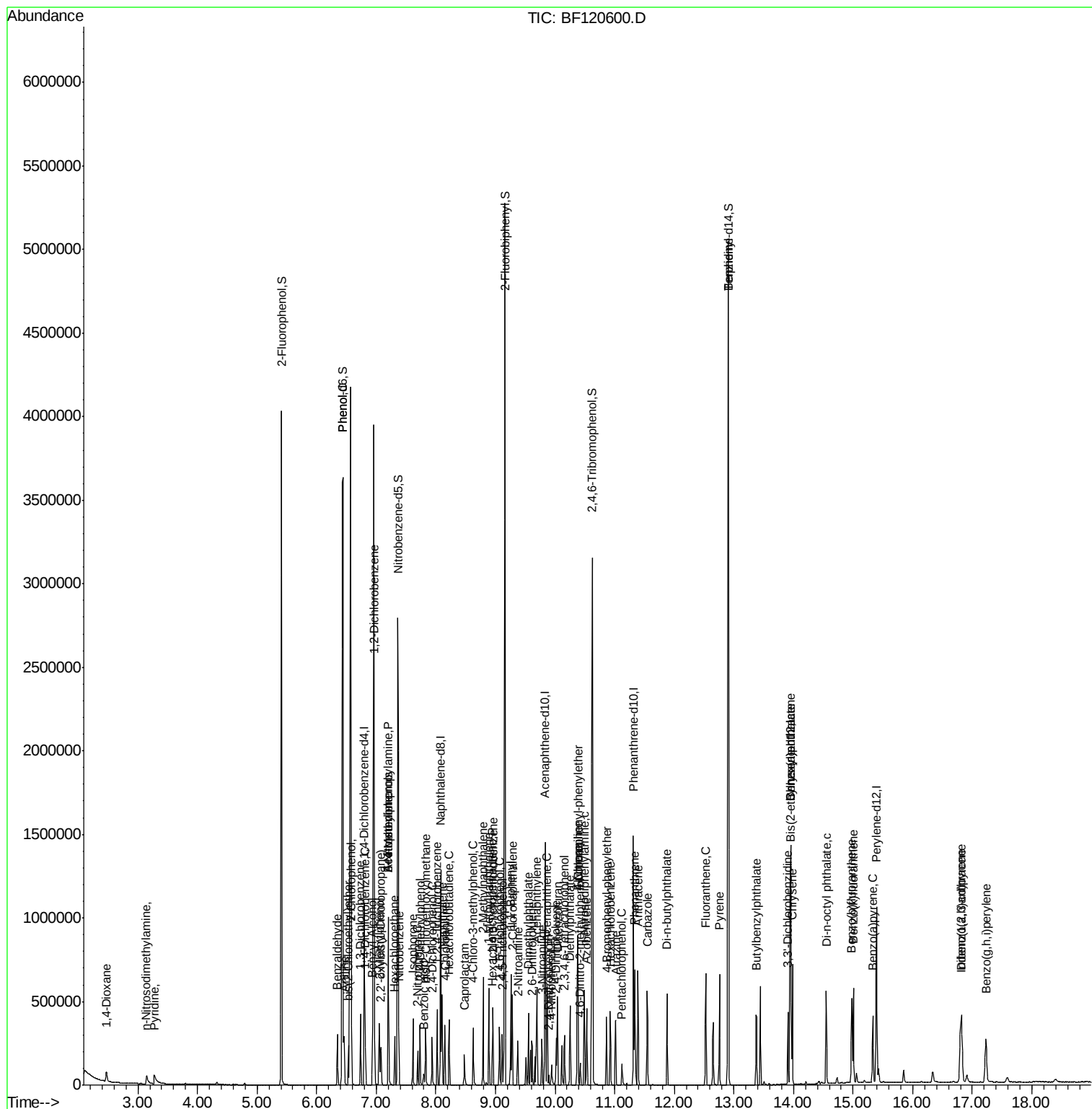
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	28363	6.186	ng	97
43) 2,4,6-Trichlorophenol	9.07	196	43000	7.408	ng	97
44) 2,4,5-Trichlorophenol	9.11	196	45985	6.983	ng	97
46) 1,1'-Biphenyl	9.26	154	191826	9.375	ng	98
47) 2-Chloronaphthalene	9.28	162	139697	8.349	ng	100
48) 2-Nitroaniline	9.37	65	38162	7.262	ng	100
49) Acenaphthylene	9.69	152	225508	8.733	ng	98
50) Dimethylphthalate	9.55	163	159402	8.077	ng	98
51) 2,6-Dinitrotoluene	9.62	165	32148	7.188	ng	96
52) Acenaphthene	9.87	154	136419	8.858	ng	99
53) 3-Nitroaniline	9.78	138	36126	6.725	ng	98
54) 2,4-Dinitrophenol	9.89	184	8416	3.510	ng	94
55) Dibenzofuran	10.04	168	204622	8.665	ng	99
56) 4-Nitrophenol	9.95	139	24170	5.974	ng	98
57) 2,4-Dinitrotoluene	10.02	165	41797	7.043	ng	92
58) Fluorene	10.38	166	156114	8.576	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.16	232	37060	7.154	ng	97
60) Diethylphthalate	10.25	149	157616	8.109	ng	98
61) 4-Chlorophenyl-phenylether	10.37	204	78855	8.388	ng	94
62) 4-Nitroaniline	10.39	138	36804	6.901	ng	100
63) Azobenzene	10.53	77	151051	8.561	ng	96
65) 4,6-Dinitro-2-methylphenol	10.42	198	16323	5.180	ng	88
66) n-Nitrosodiphenylamine	10.49	169	136837	8.484	ng	99
67) 4-Bromophenyl-phenylether	10.86	248	46269	7.763	ng	97
68) Hexachlorobenzene	10.93	284	52978	8.267	ng	100
69) Atrazine	11.02	200	44461	8.909	ng	97
70) Pentachlorophenol	11.12	266	17770	4.988	ng	99
71) Phenanthrene	11.34	178	228508	8.753	ng	99
72) Anthracene	11.39	178	232693	8.843	ng	98
73) Carbazole	11.55	167	210051	8.064	ng	100
74) Di-n-butylphthalate	11.88	149	249194	8.509	ng	99
75) Fluoranthene	12.53	202	246829	8.269	ng	99
77) Benzidine	12.91	184	25731	1.794	ng	95
78) Pyrene	12.76	202	260040	8.653	ng	98
80) Butylbenzylphthalate	13.38	149	100447	7.527	ng	96
81) Benzo(a)anthracene	13.94	228	238583	9.361	ng	98
82) 3,3'-Dichlorobenzidine	13.91	252	91332	9.382	ng	100
83) Chrysene	13.98	228	230432	8.815	ng	97
84) Bis(2-ethylhexyl)phthalate	13.94	149	151479	9.302	ng	99
85) Di-n-octyl phthalate	14.55	149	250311	8.054	ng	98
87) Indeno(1,2,3-cd)pyrene	16.80	276	258541	8.757	ng	98
88) Benzo(b)fluoranthene	14.97	252	231124	7.994	ng	98
89) Benzo(k)fluoranthene	15.00	252	217326	8.495	ng	98
90) Benzo(a)pyrene	15.33	252	201290	7.779	ng	100
91) Dibenzo(a,h)anthracene	16.82	278	219642	9.277	ng	98
92) Benzo(g,h,i)perylene	17.23	276	217589	9.118	ng	99

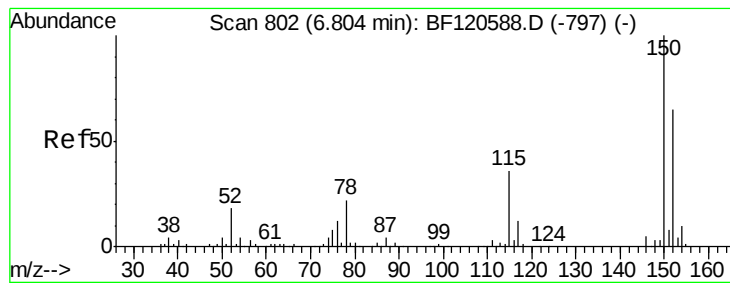
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.80 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

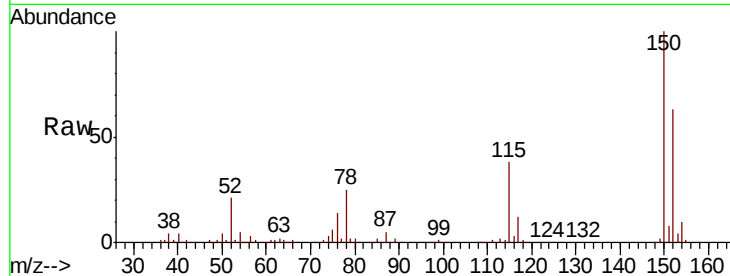
Tot Ion:152 Resp: 143890

Ion Ratio Lower Upper

152 100

150 157.7 123.2 184.8

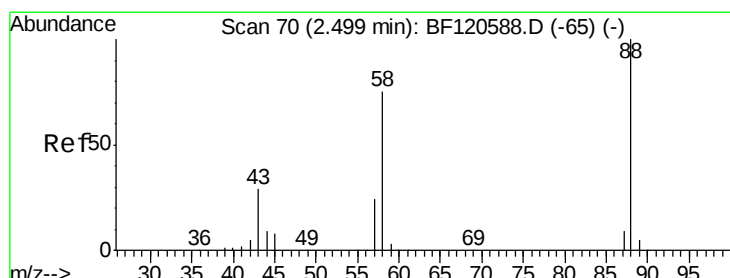
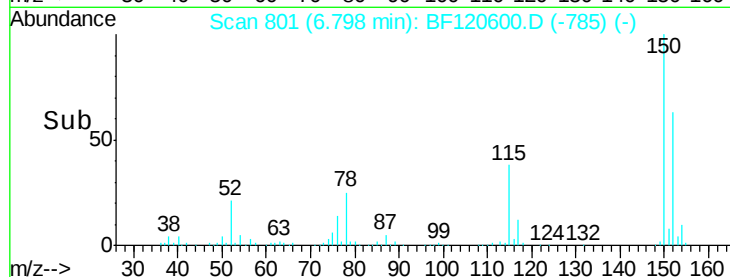
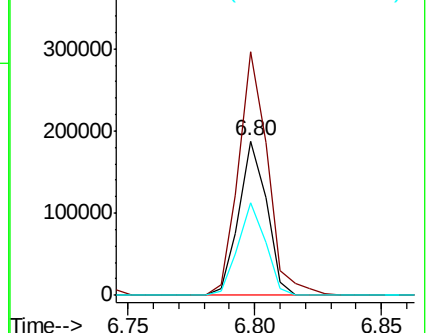
115 59.6 43.9 65.9



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



#2

1,4-Dioxane

Concen: 7.663 ng

RT: 2.48 min Scan# 66

Delta R.T. -0.03 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

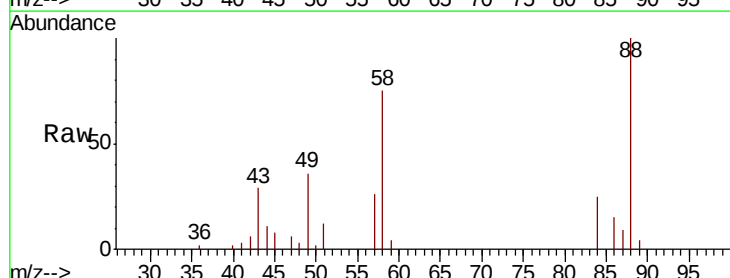
Tgt Ion: 88 Resp: 30481

Ion Ratio Lower Upper

88 100

58 75.8 59.6 89.4

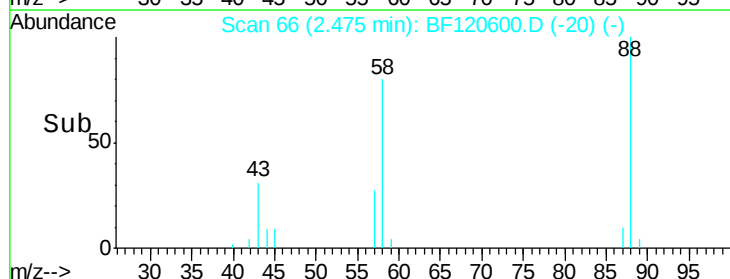
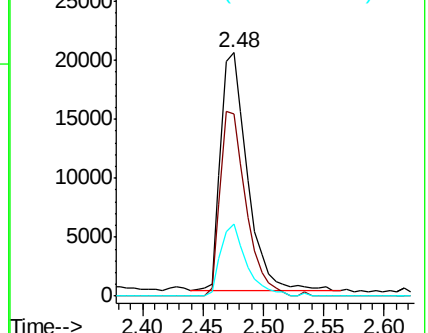
43 29.3 23.1 34.7

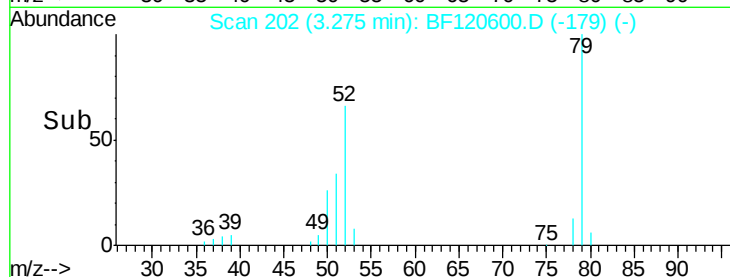
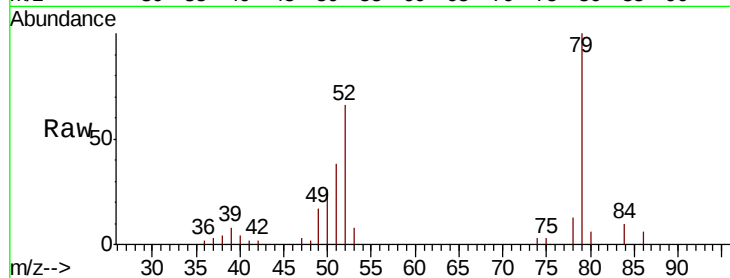
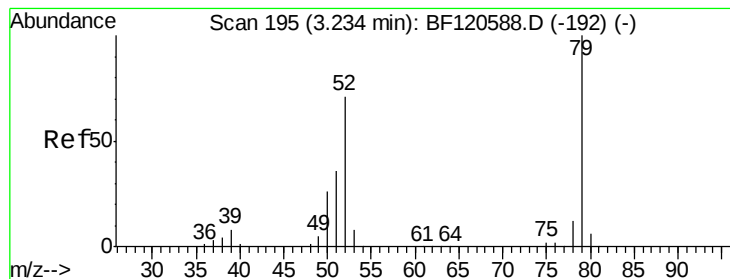


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 5.535 ng

RT: 3.27 min Scan# 202

Delta R.T. 0.04 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

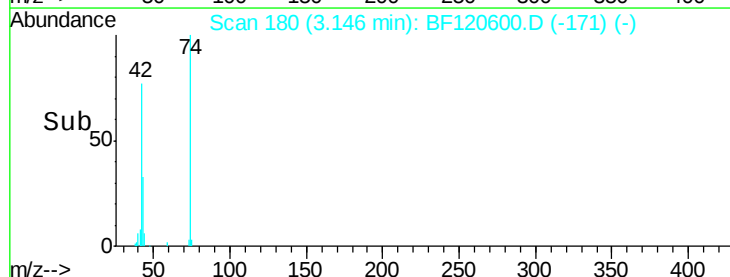
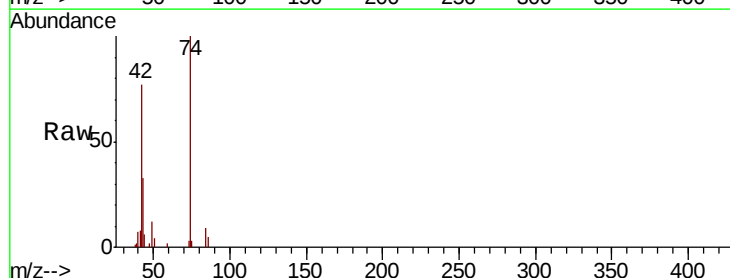
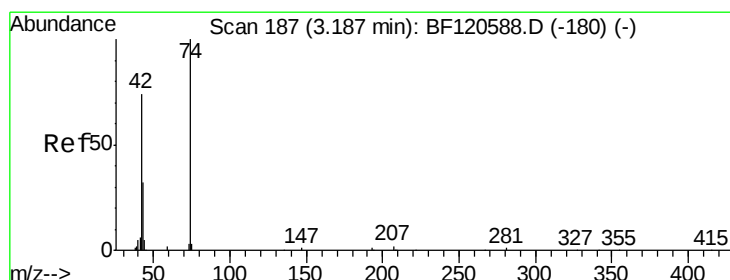
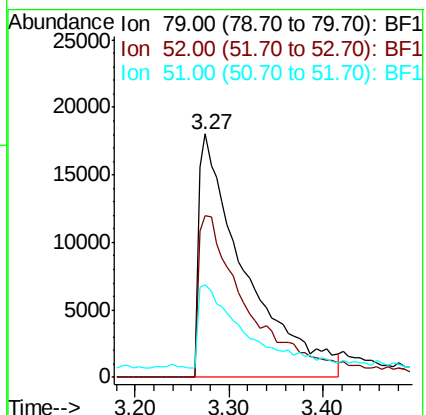
Tot Ion: 79 Resp: 61893

Ion Ratio Lower Upper

79 100

52 66.2 57.0 85.6

51 38.2 28.5 42.7



#4

n-Nitrosodimethylamine

Concen: 7.482 ng

RT: 3.15 min Scan# 180

Delta R.T. -0.05 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

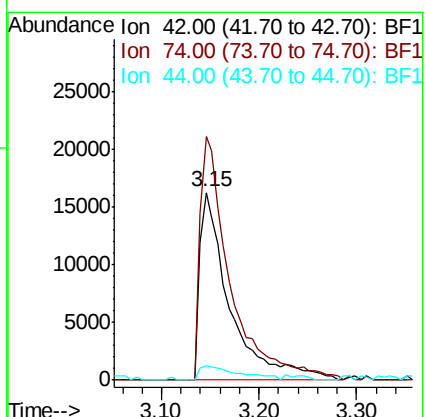
Tgt Ion: 42 Resp: 34722

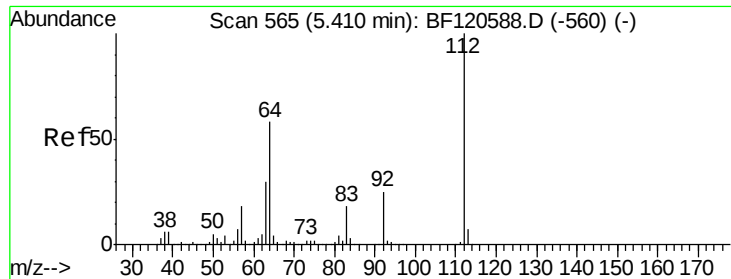
Ion Ratio Lower Upper

42 100

74 129.7 107.8 161.6

44 7.9 5.1 7.7#





#5

2-Fluorophenol

Concen: 146.876 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

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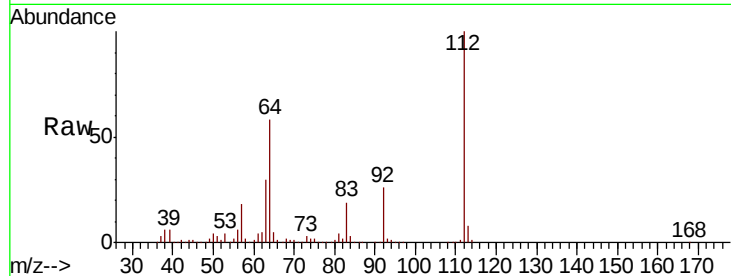
Tot Ion:112 Resp: 1232699

Ion Ratio Lower Upper

112 100

64 57.9 46.1 69.1

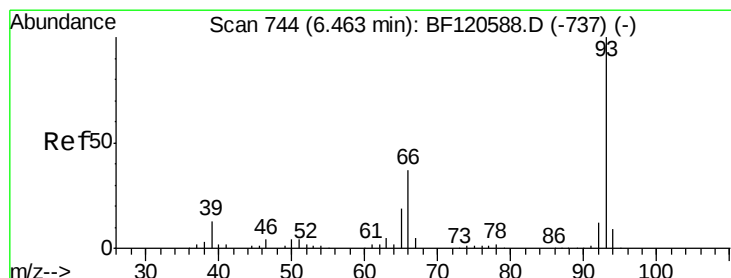
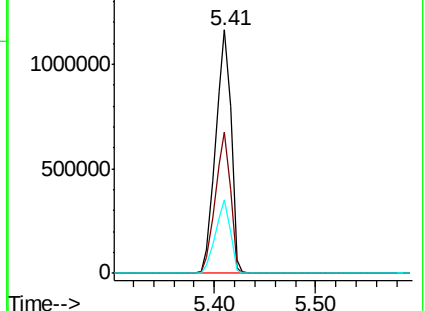
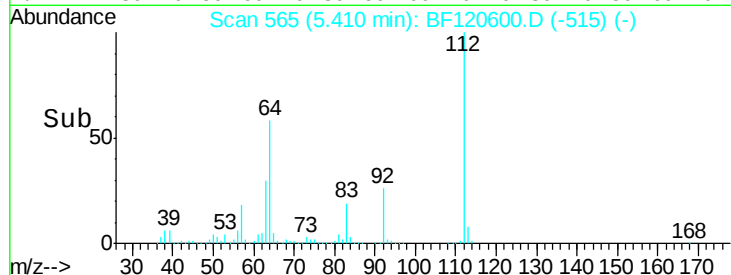
63 30.1 23.7 35.5



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: 8.381 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

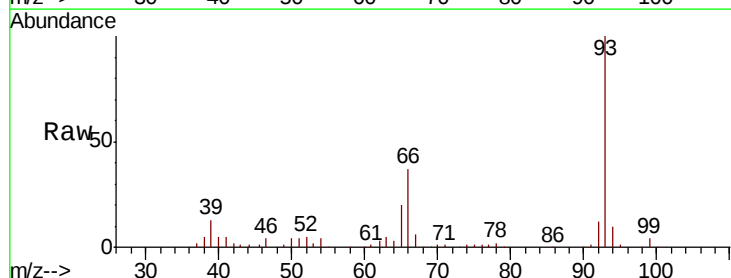
Tgt Ion: 93 Resp: 112121

Ion Ratio Lower Upper

93 100

66 36.8 30.9 46.3

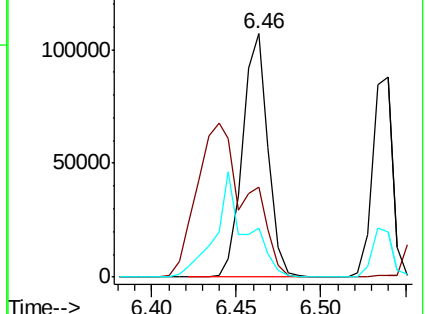
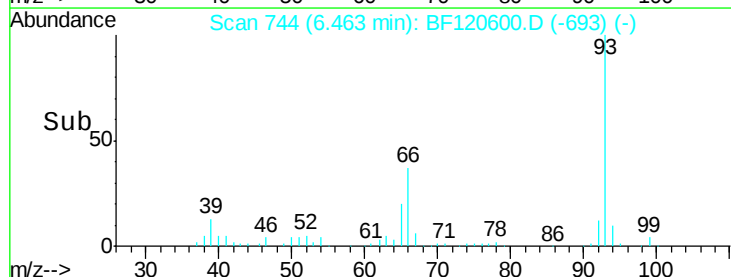
65 20.1 15.9 23.9

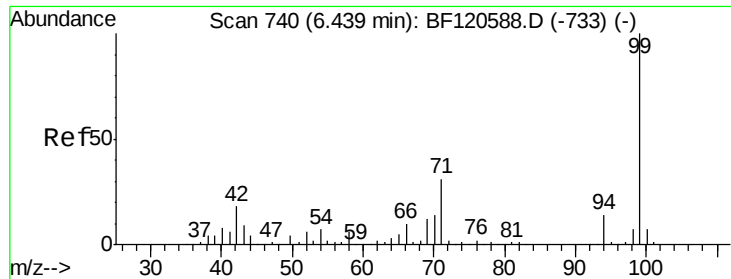


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 147.591 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

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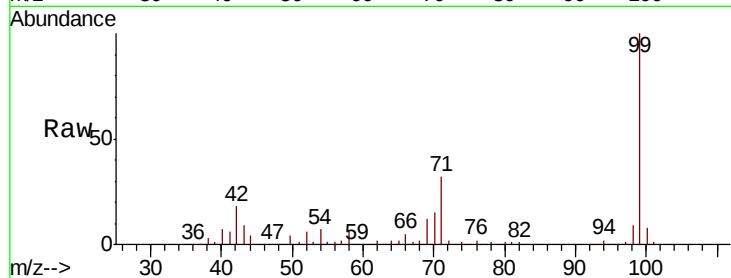
Tot Ion: 99 Resp: 1542792

Ion Ratio Lower Upper

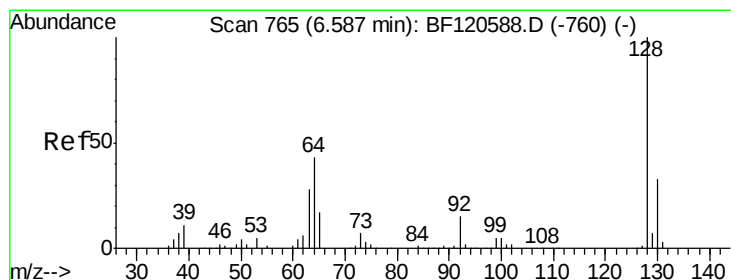
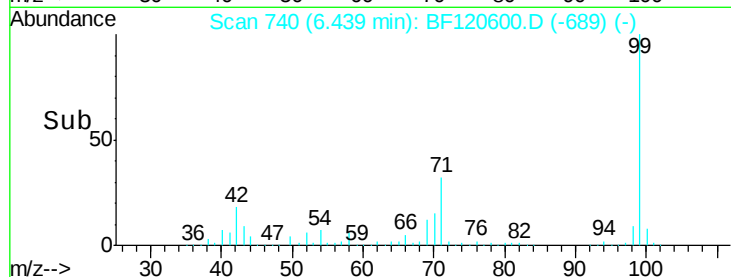
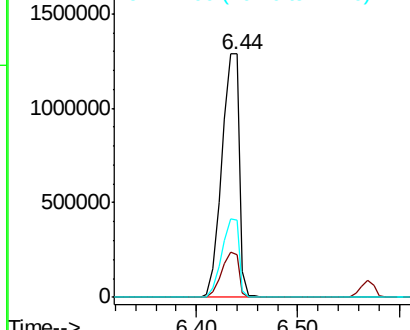
99 100

42 17.8 14.0 21.0

71 31.5 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 7.904 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

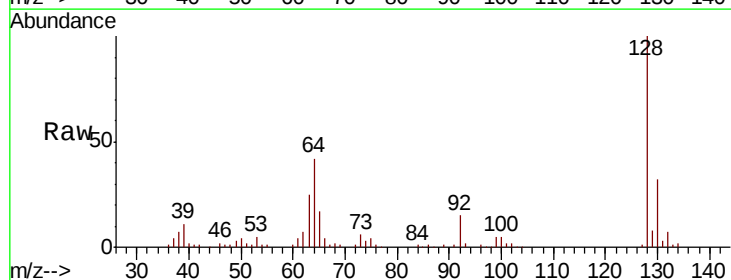
Tgt Ion:128 Resp: 74966

Ion Ratio Lower Upper

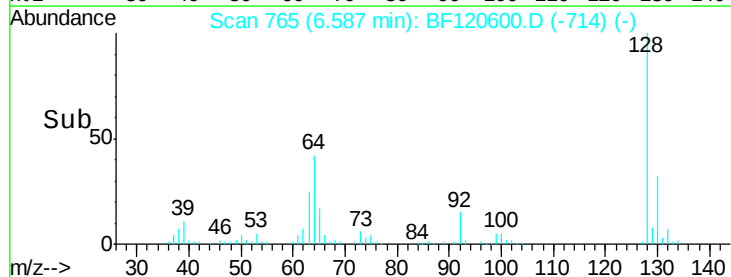
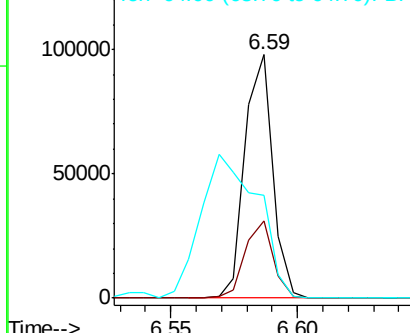
128 100

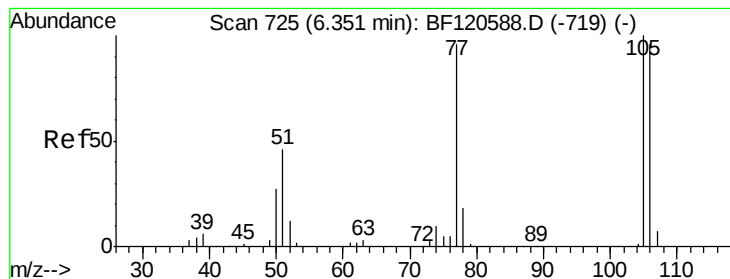
130 31.9 12.6 52.6

64 42.4 24.3 64.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 9.732 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.00 min

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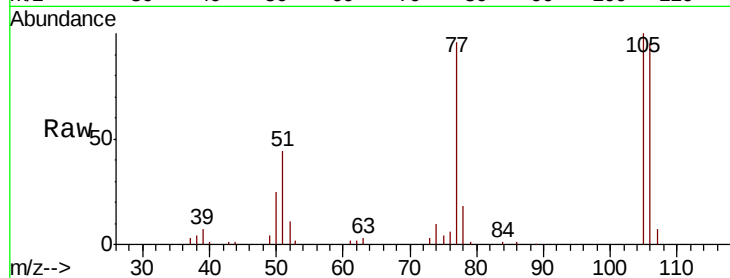
Tot Ion: 77 Resp: 64347

Ion Ratio Lower Upper

77 100

105 104.6 83.8 123.8

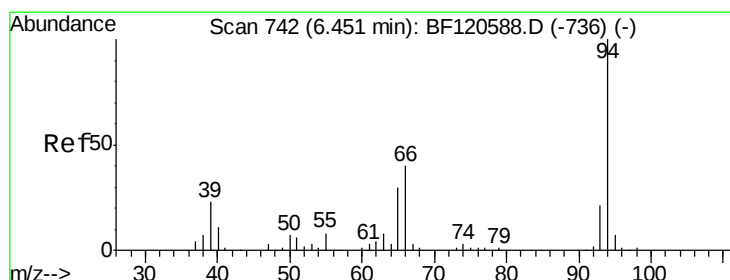
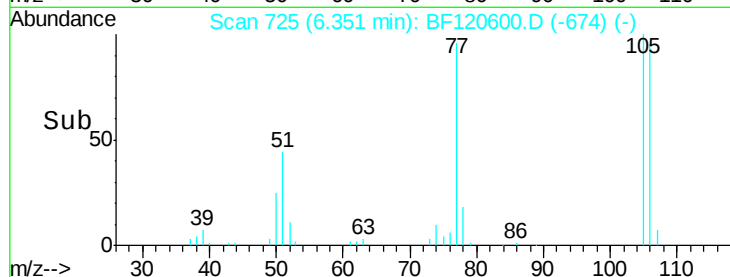
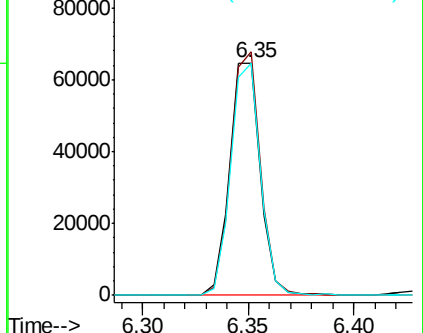
106 99.9 79.3 119.3



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 8.756 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

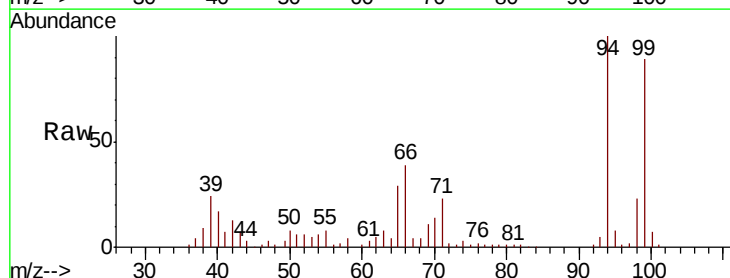
Tgt Ion: 94 Resp: 97659

Ion Ratio Lower Upper

94 100

65 29.5 9.9 49.9

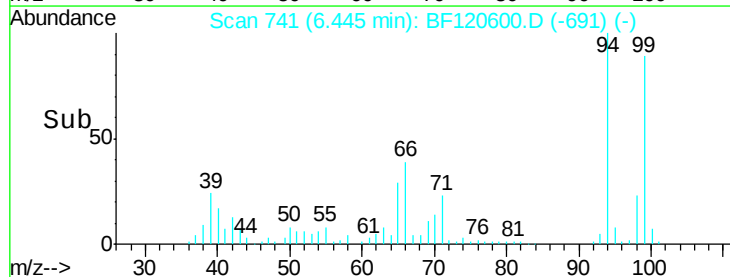
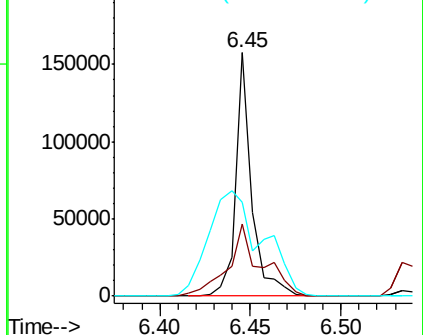
66 38.8 20.1 60.1

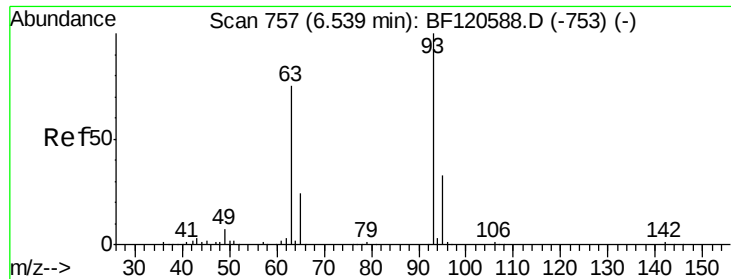


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

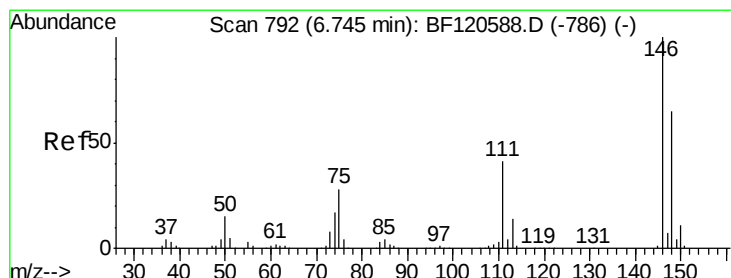
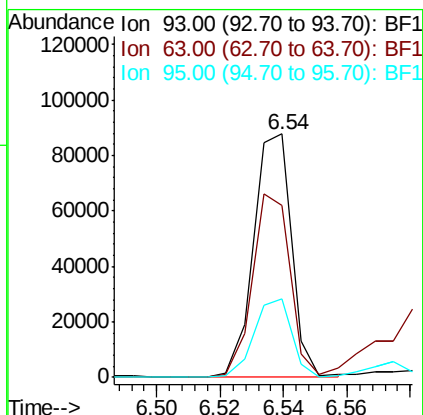
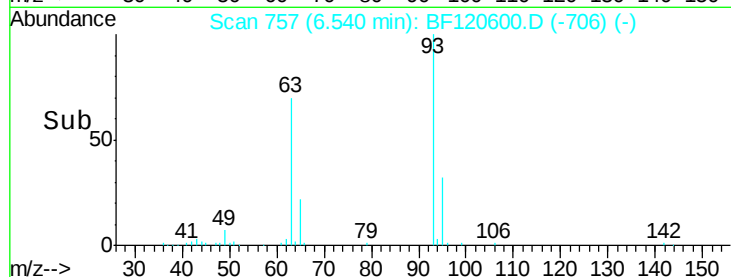
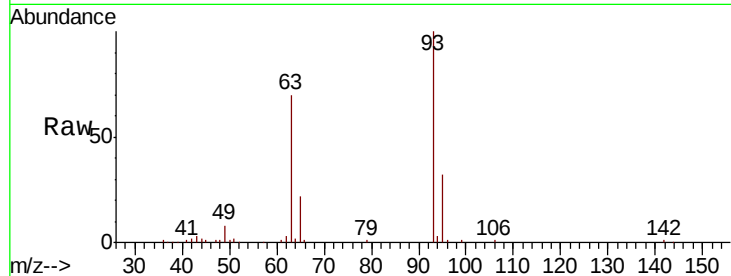




#11
bis(2-Chloroethyl)ether
Concen: 7.906 ng
RT: 6.54 min Scan# 757
Delta R.T. 0.00 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

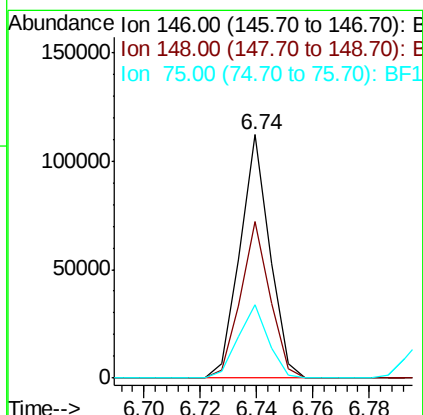
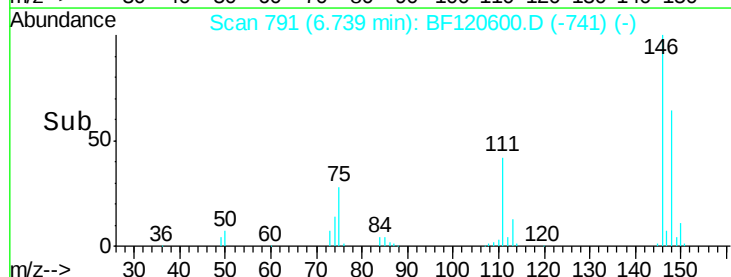
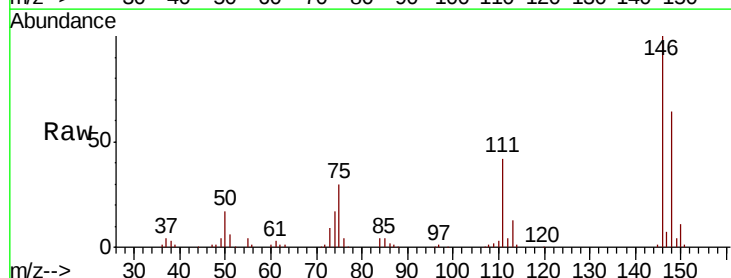
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

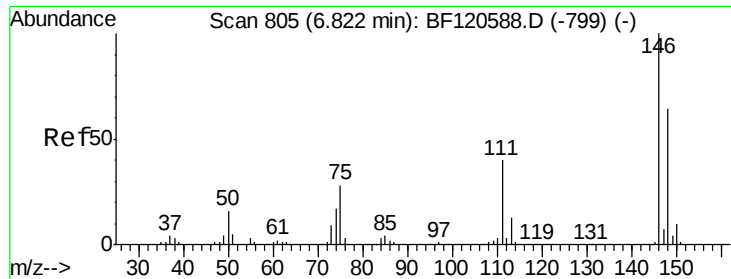
Tot Ion: 93 Resp: 73441
Ion Ratio Lower Upper
93 100
63 70.4 54.4 94.4
95 32.1 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 8.138 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion: 146 Resp: 82057
Ion Ratio Lower Upper
146 100
148 64.3 51.8 77.6
75 30.0 22.2 33.4

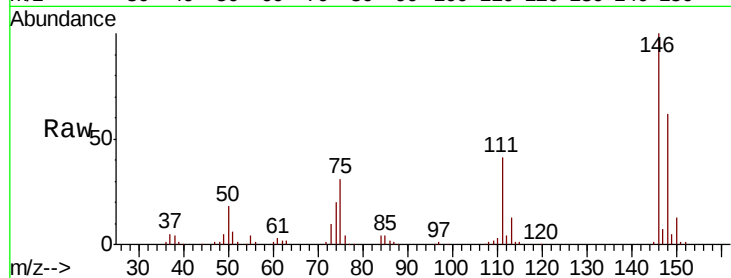




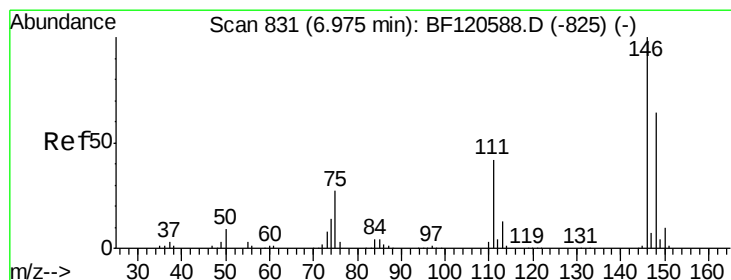
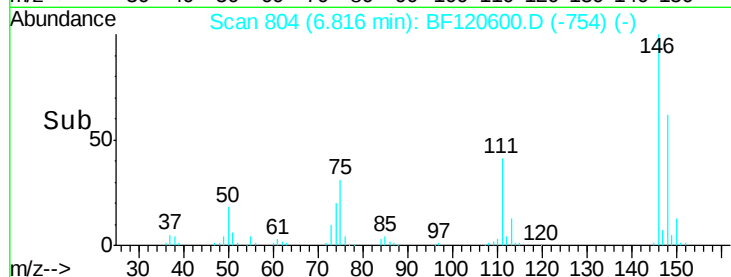
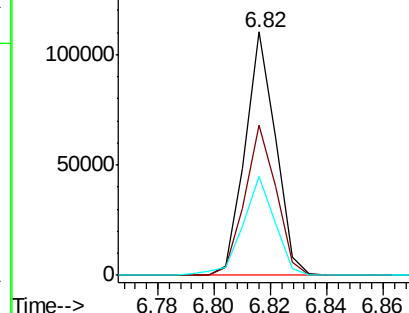
#13
 1,4-Dichlorobenzene
 Concen: 8.329 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

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

Tot Ion:146 Resp: 82854
 Ion Ratio Lower Upper
 146 100
 148 61.9 51.5 77.3
 111 40.9 32.2 48.4

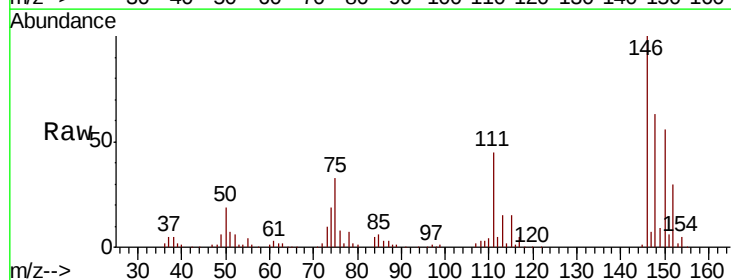


Abundance Ion 146.00 (145.70 to 146.70): E
 150000 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

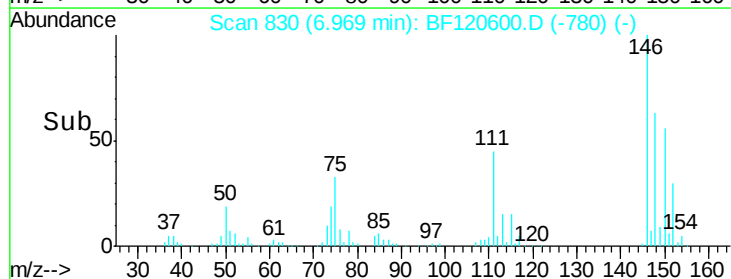
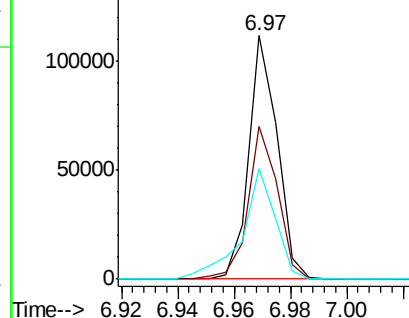


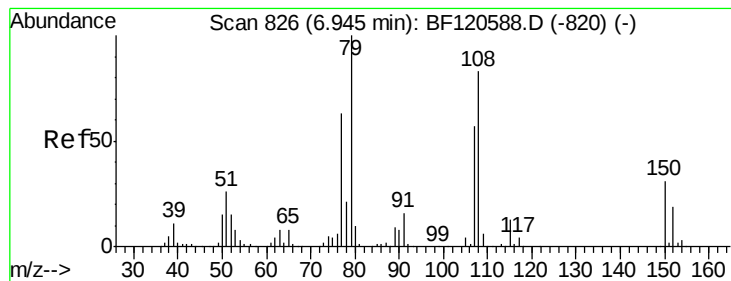
#14
 1,2-Dichlorobenzene
 Concen: 7.998 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Tgt Ion:146 Resp: 77508
 Ion Ratio Lower Upper
 146 100
 148 62.9 50.8 76.2
 111 45.4 33.6 50.4



Abundance Ion 146.00 (145.70 to 146.70): E
 150000 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 9.904 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

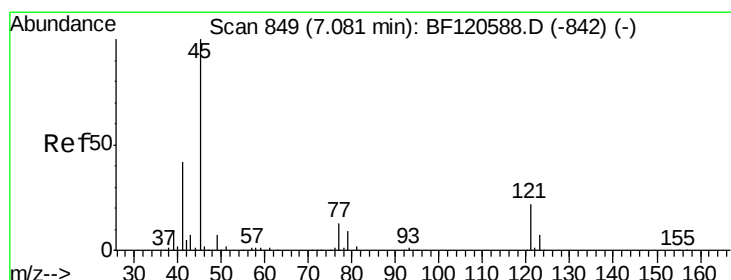
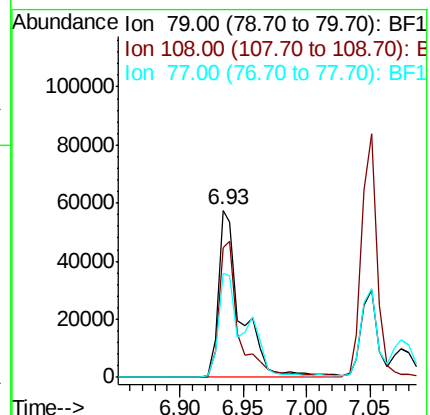
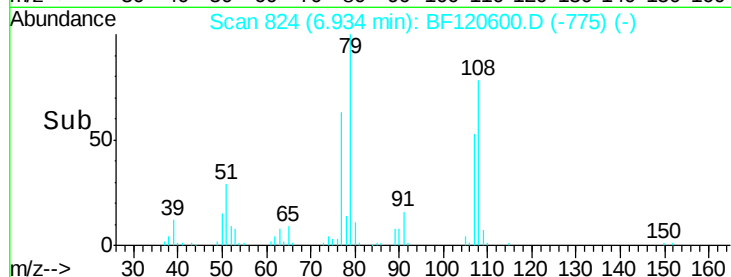
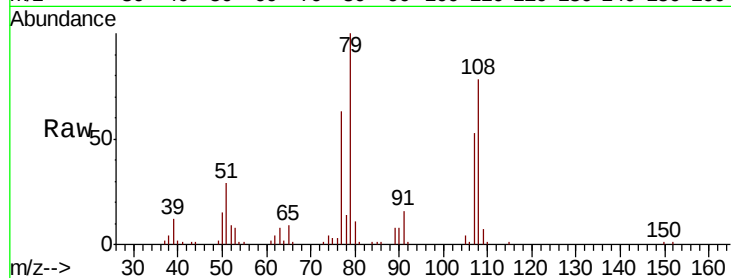
Tot Ion: 79 Resp: 73416

Ion Ratio Lower Upper

79 100

108 78.0 66.8 100.2

77 62.5 50.6 76.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 8.101 ng

RT: 7.07 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

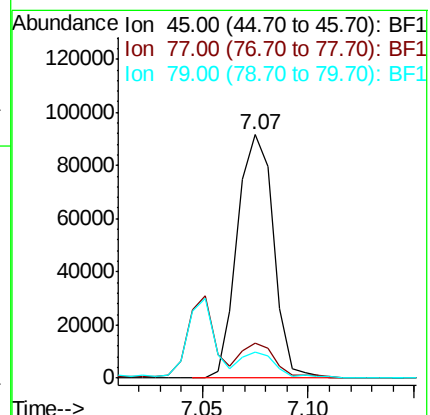
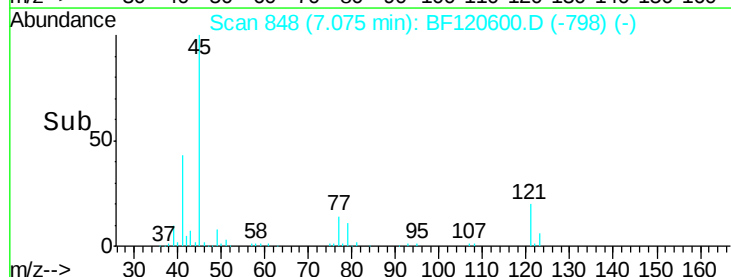
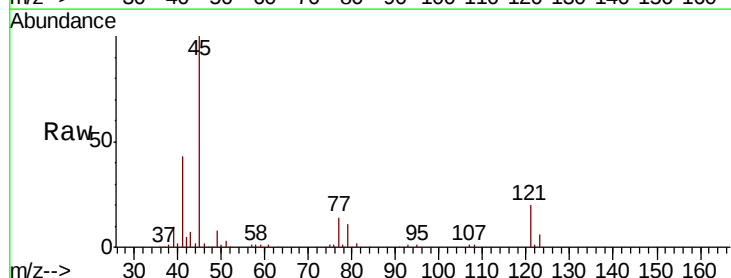
Tgt Ion: 45 Resp: 108358

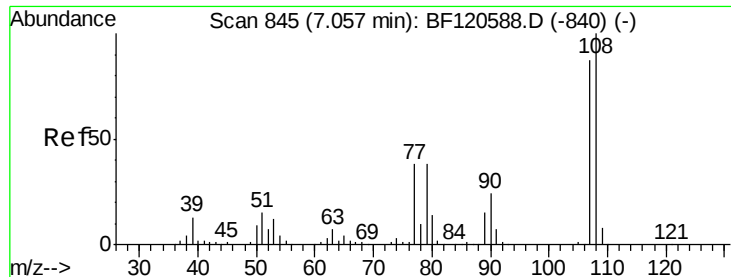
Ion Ratio Lower Upper

45 100

77 14.2 0.0 34.2

79 10.5 0.0 30.9





#17

2-Methylphenol

Concen: 7.520 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:107 Resp: 60831

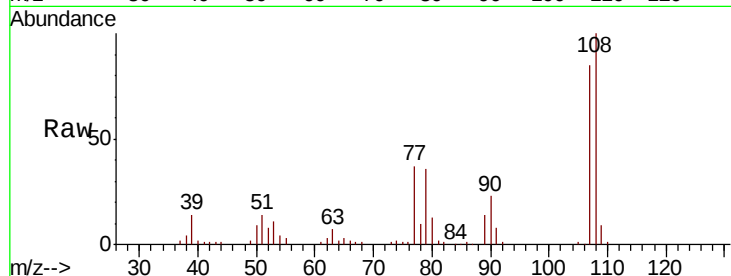
Ion Ratio Lower Upper

107 100

108 117.6 91.9 137.9

77 43.2 35.4 53.2

79 42.0 34.8 52.2

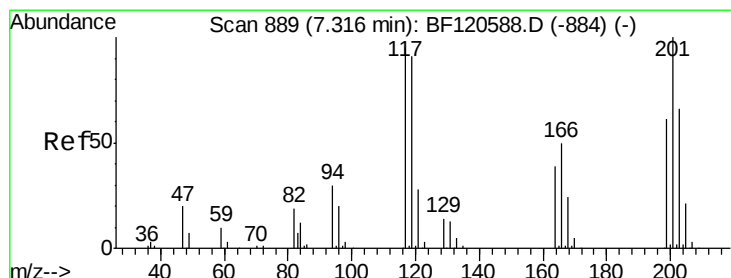
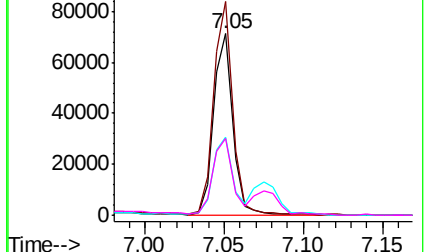
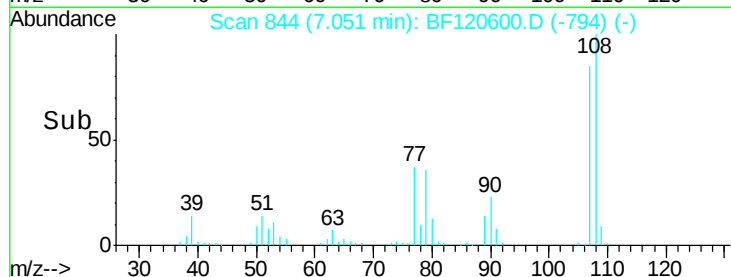


Abundance Ion 107.00 (106.70 to 107.70): E

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: 8.065 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

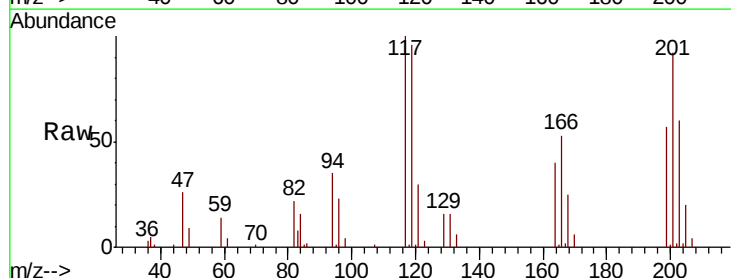
Tgt Ion:117 Resp: 29563

Ion Ratio Lower Upper

117 100

119 95.6 76.9 115.3

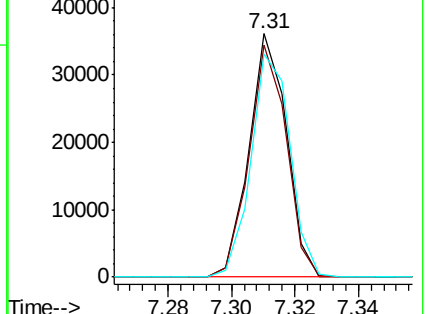
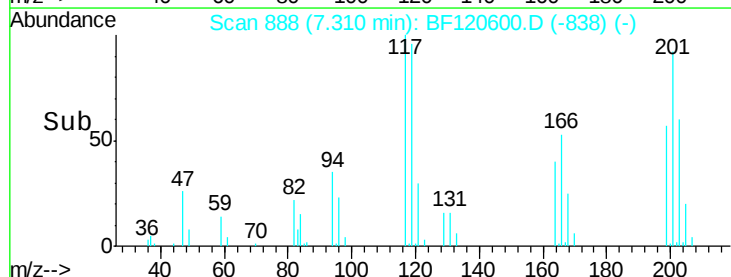
201 91.6 84.6 127.0

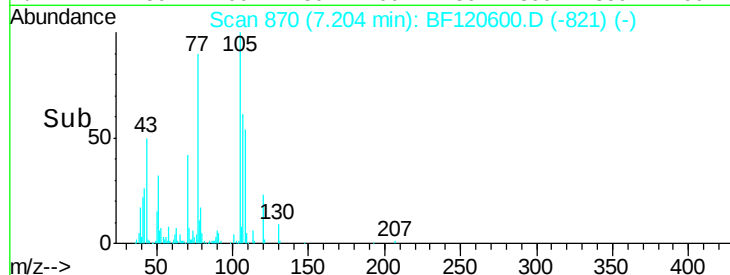
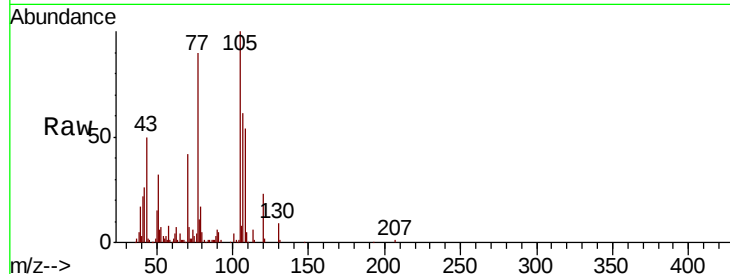
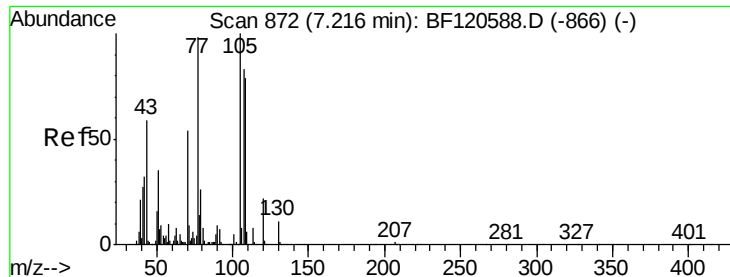


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

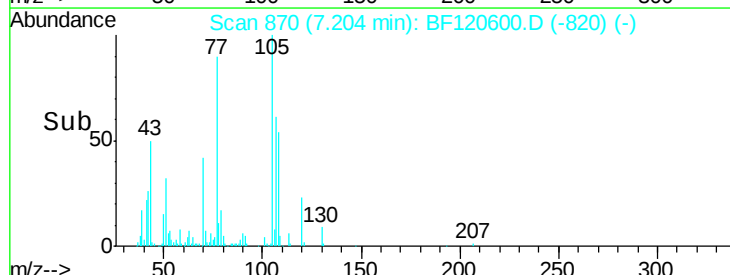
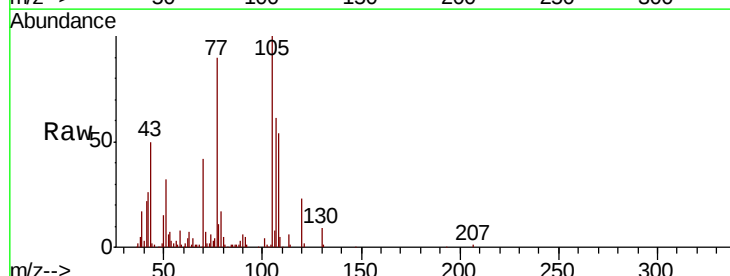
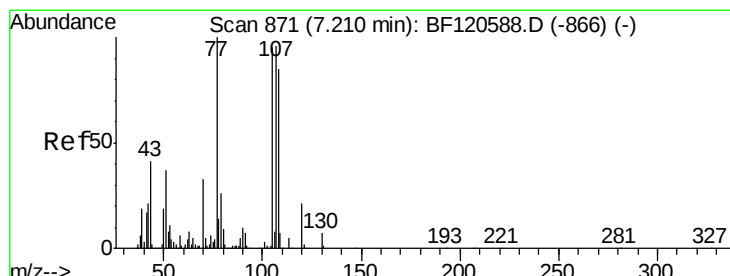
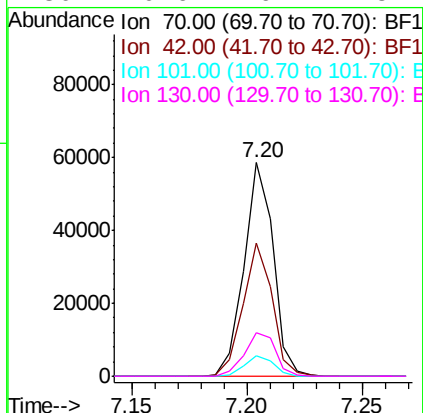




#19
n-Nitroso-di-n-propylamine
Concen: 8.583 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

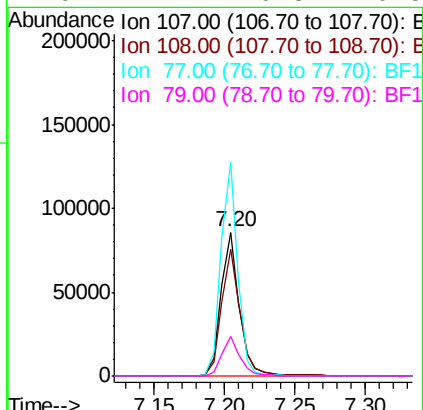
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

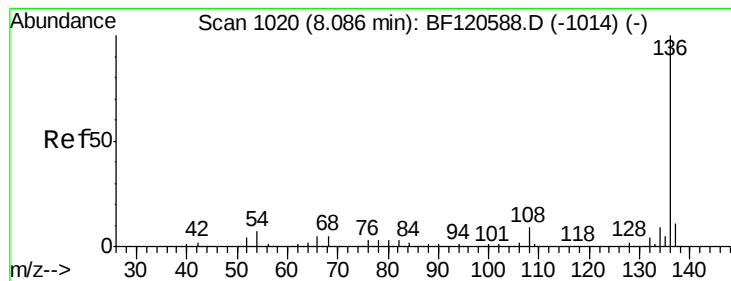
Tot Ion:	70	Resp:	52044
Ion	Ratio	Lower	Upper
70	100		
42	62.5	47.7	71.5
101	9.4	7.6	11.4
130	20.6	16.7	25.1



#20
3+4-Methylphenols
Concen: 7.704 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion:	107	Resp:	77875
Ion	Ratio	Lower	Upper
107	100		
108	88.4	68.7	108.7
77	148.7	84.2	124.2#
79	27.7	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: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:136 Resp: 526893

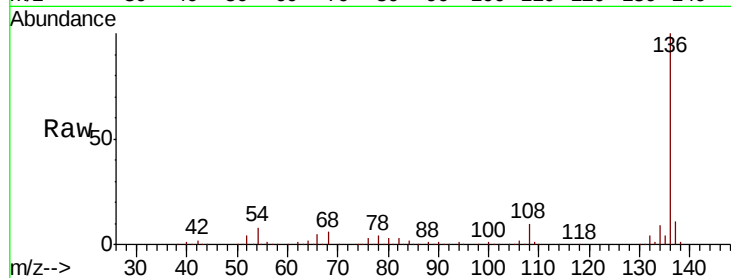
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 7.9 5.8 8.6

68 6.0 4.4 6.6

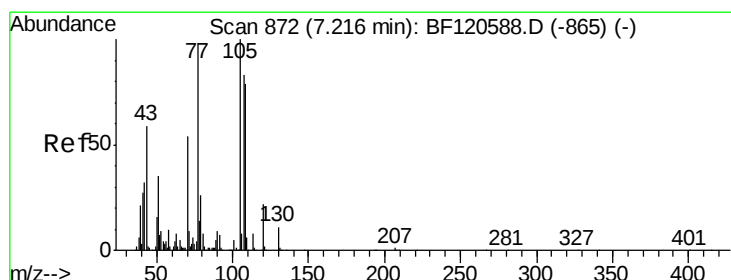
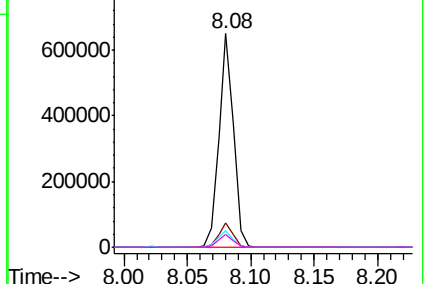
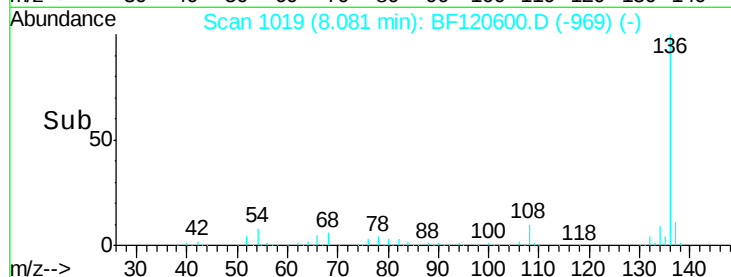


Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.355 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Tgt Ion:105 Resp: 110195

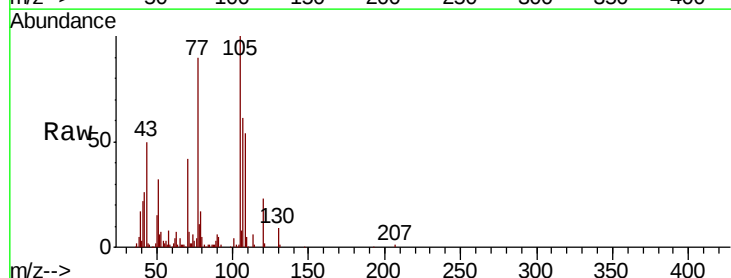
Ion Ratio Lower Upper

105 100

71 6.6 7.2 10.8#

51 32.3 27.8 41.8

120 22.7 18.0 27.0

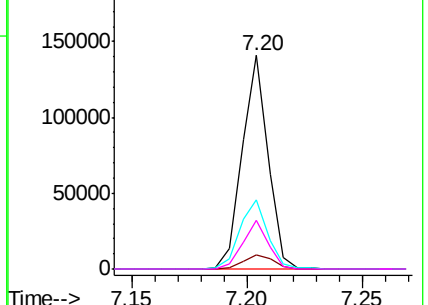
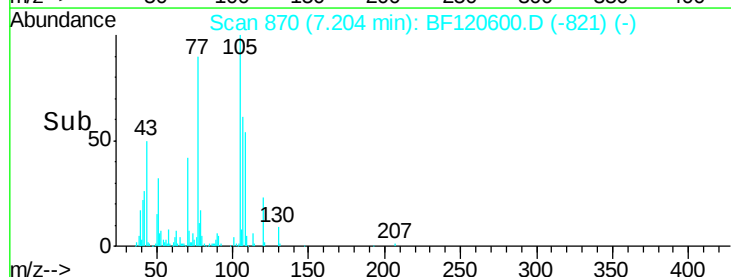


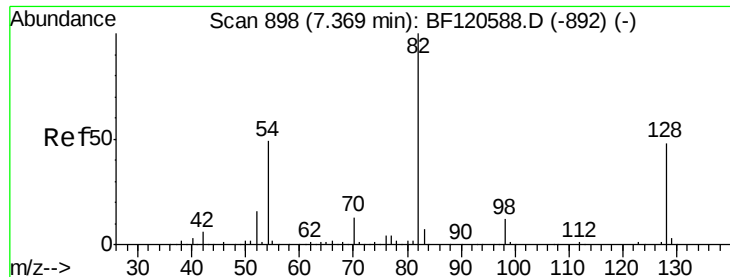
Abundance Ion 105.00 (104.70 to 105.70): E

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

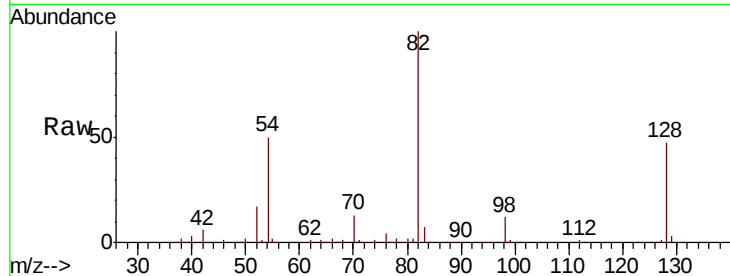




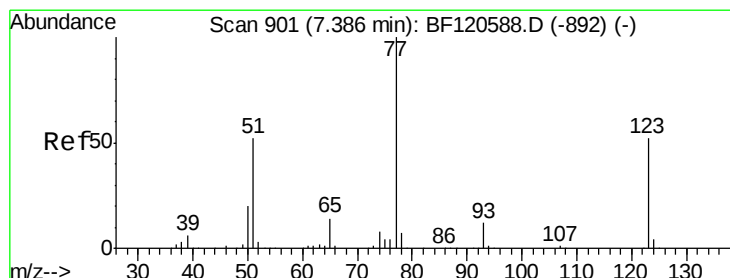
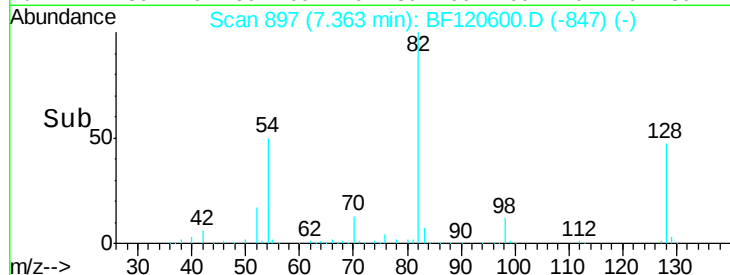
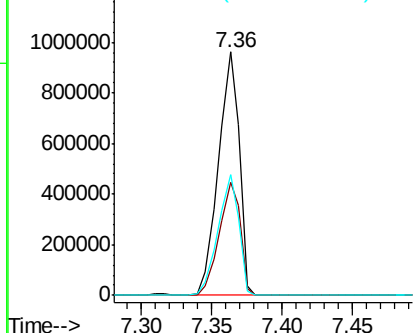
#23
Nitrobenzene-d5
Concen: 104.604 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

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

Tot Ion: 82 Resp: 986018
Ion Ratio Lower Upper
82 100
128 46.6 38.0 57.0
54 49.7 38.8 58.2

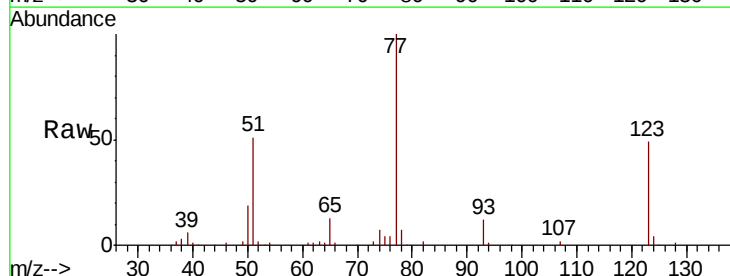


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

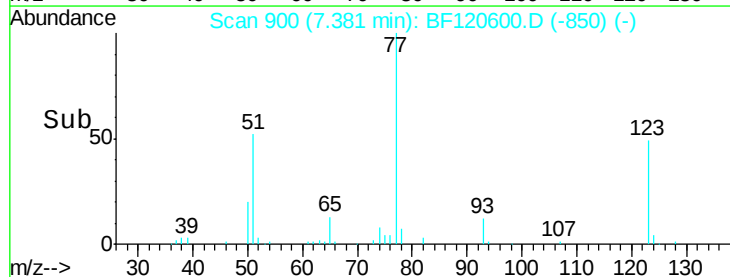
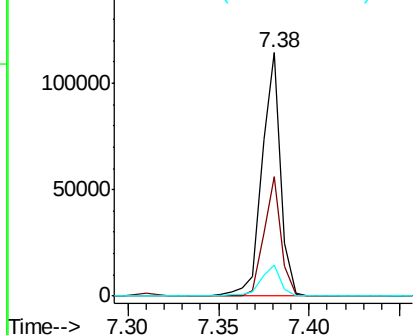


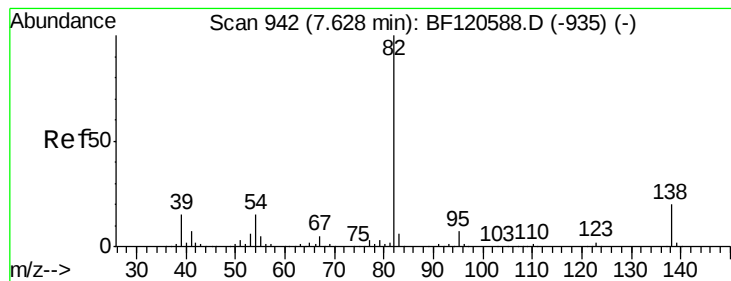
#24
Nitrobenzene
Concen: 8.261 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion: 77 Resp: 81488
Ion Ratio Lower Upper
77 100
123 48.9 41.4 62.0
65 12.7 11.0 16.4



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





#25

Isophorone

Concen: 7.770 ng

RT: 7.62 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

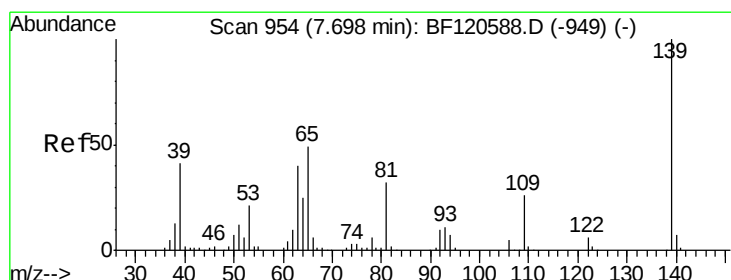
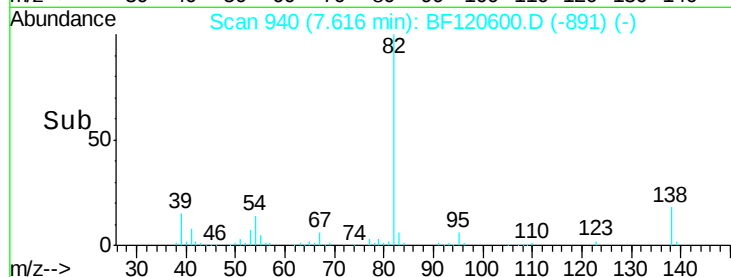
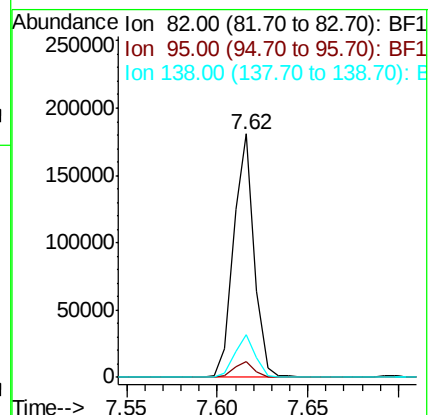
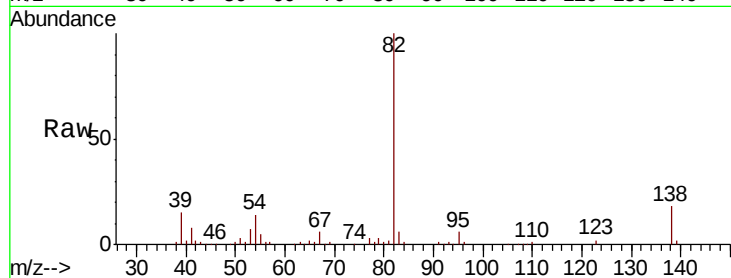
Tot Ion: 82 Resp: 142679

Ion Ratio Lower Upper

82 100

95 6.5 5.7 8.5

138 17.8 16.2 24.4



#26

2-Nitrophenol

Concen: 6.772 ng

RT: 7.70 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

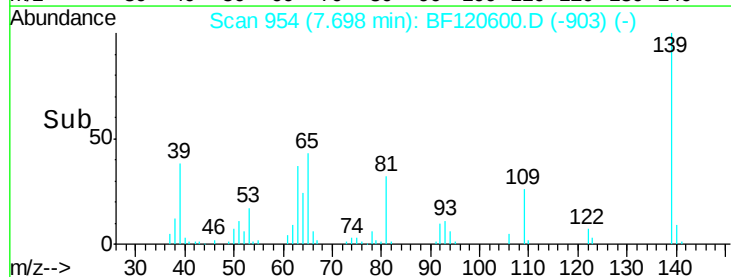
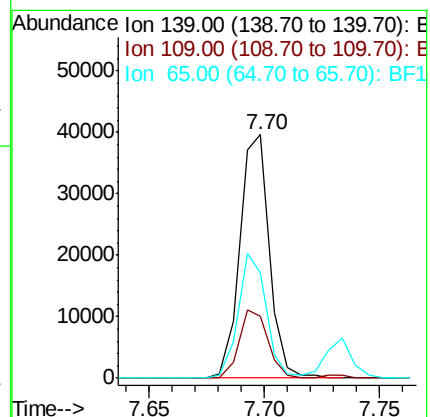
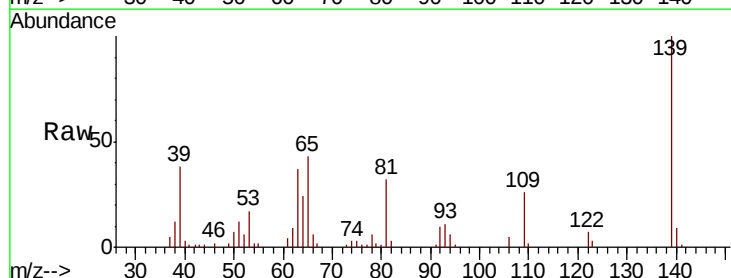
Tgt Ion: 139 Resp: 35342

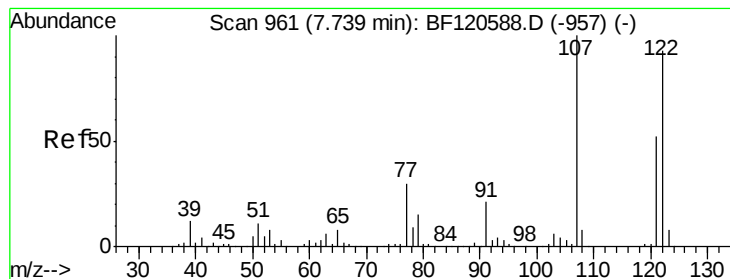
Ion Ratio Lower Upper

139 100

109 25.5 21.1 31.7

65 43.3 39.4 59.0

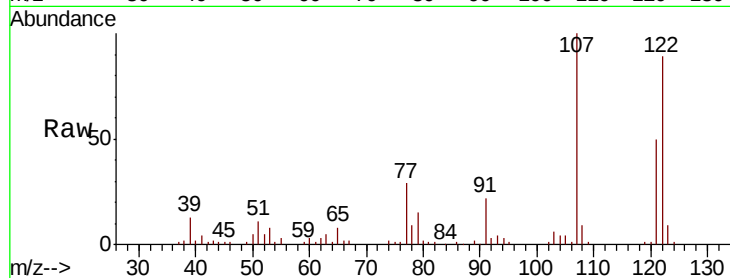




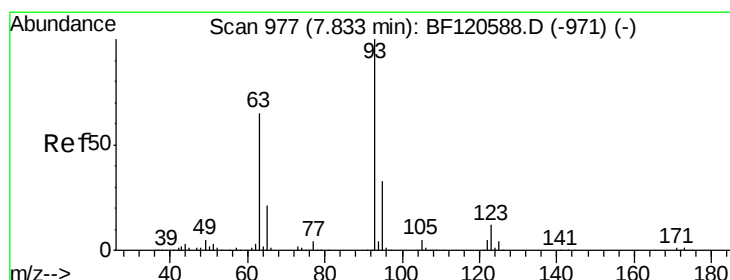
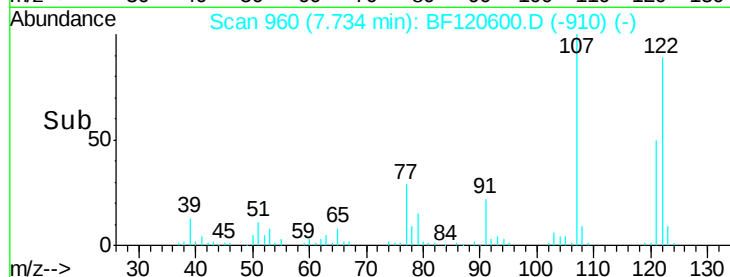
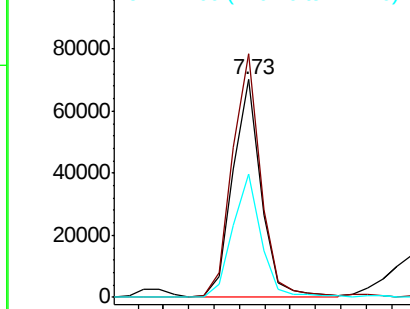
#27
 2,4-Dimethylphenol
 Concen: 7.132 ng
 RT: 7.73 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

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

Tot Ion:122 Resp: 54797
 Ion Ratio Lower Upper
 122 100
 107 111.8 86.4 129.6
 121 56.4 45.2 67.8

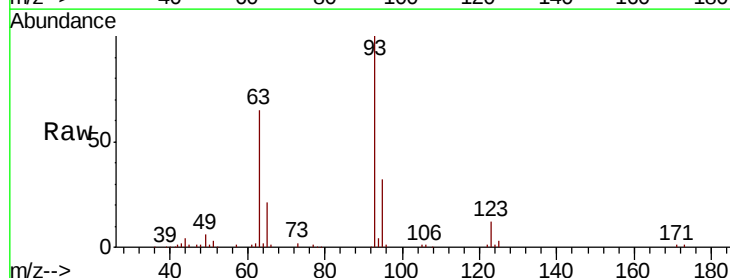


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

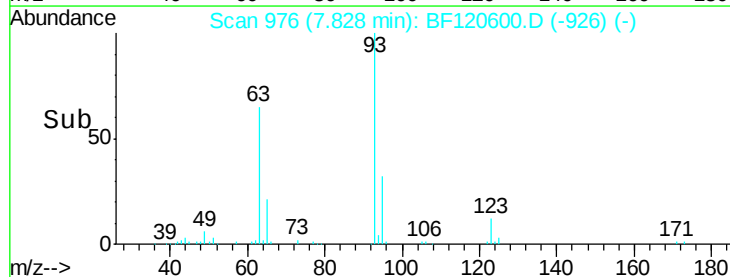
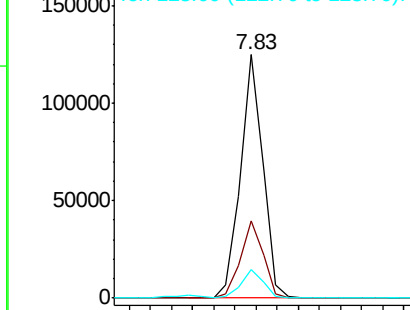


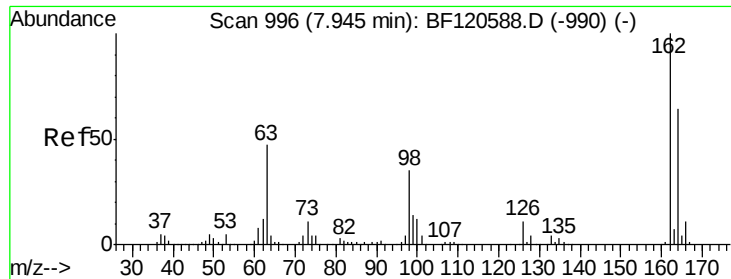
#28
 bis(2-Chloroethoxy)methane
 Concen: 8.542 ng
 RT: 7.83 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Tgt Ion: 93 Resp: 90919
 Ion Ratio Lower Upper
 93 100
 95 31.7 26.2 39.4
 123 11.5 9.5 14.3



Abundance Ion 93.00 (92.70 to 93.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 123.00 (122.70 to 123.70): E

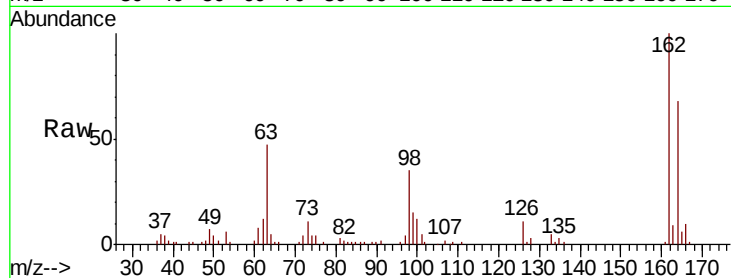




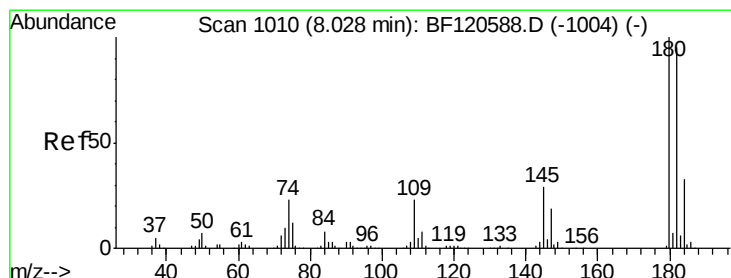
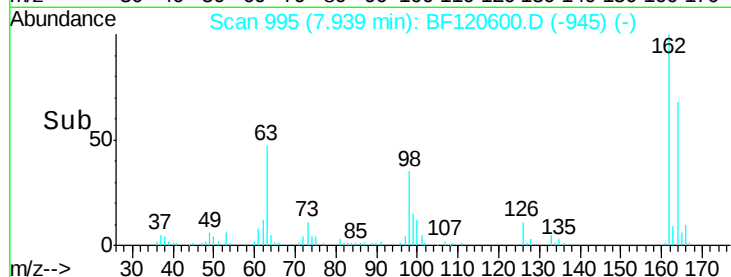
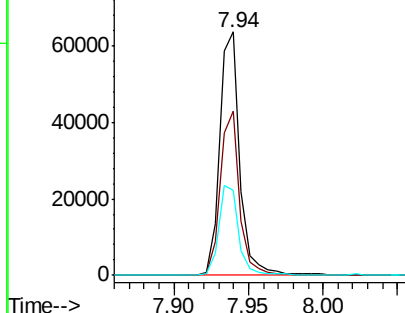
#29
2,4-Dichlorophenol
Concen: 7.720 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

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

Tot Ion	Ratio	Lower	Upper
162	100		
164	67.6	44.1	84.1
98	35.1	14.7	54.7

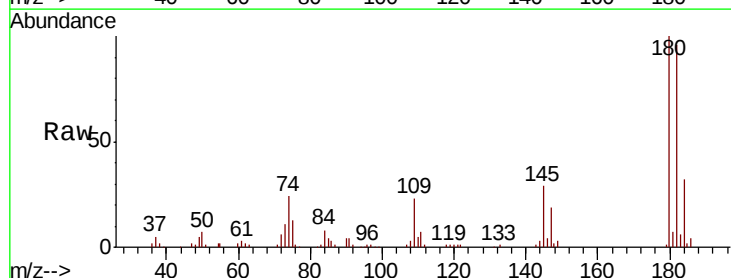


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

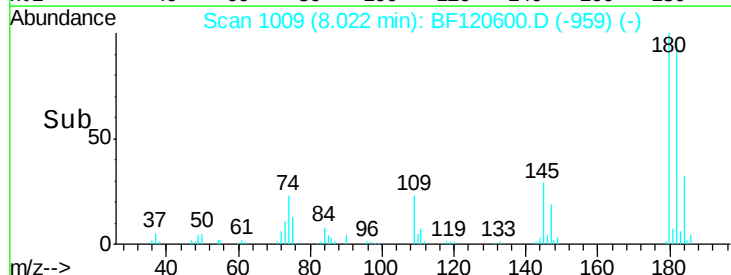
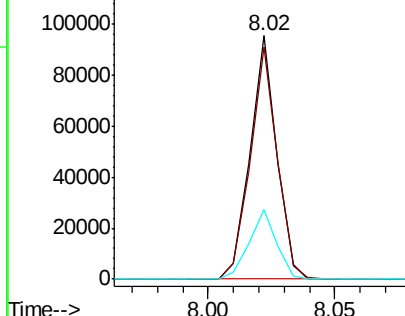


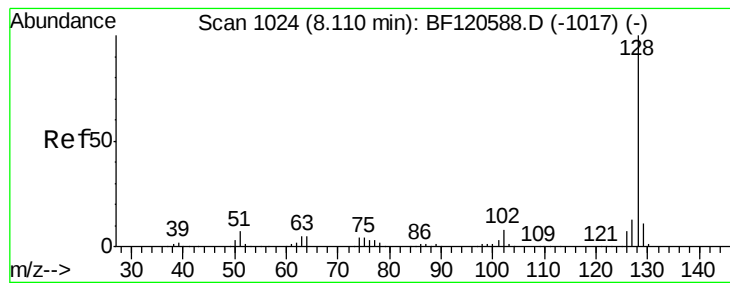
#30
1,2,4-Trichlorobenzene
Concen: 8.078 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.6
145	28.8	23.0	34.6



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





#31

Naphthalene

Concen: 8.763 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

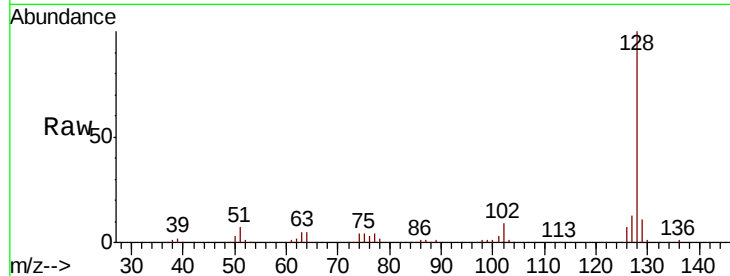
Tot Ion:128 Resp: 226731

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

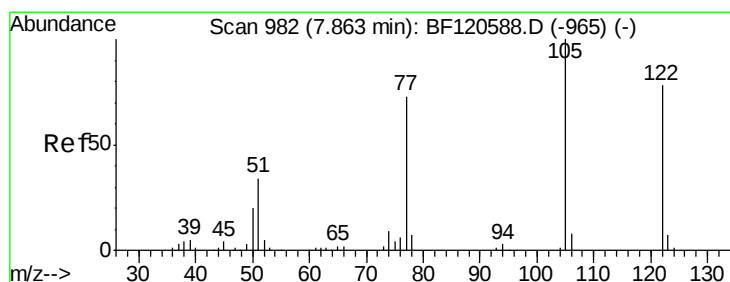
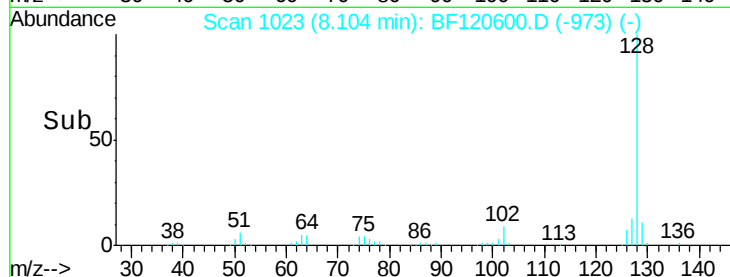
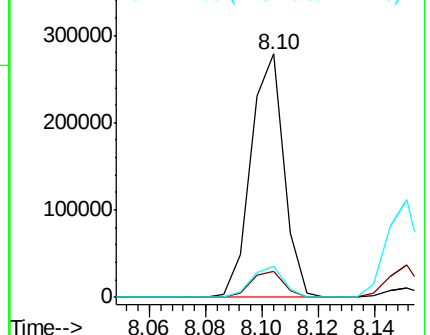
127 12.6 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 3.569 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.06 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

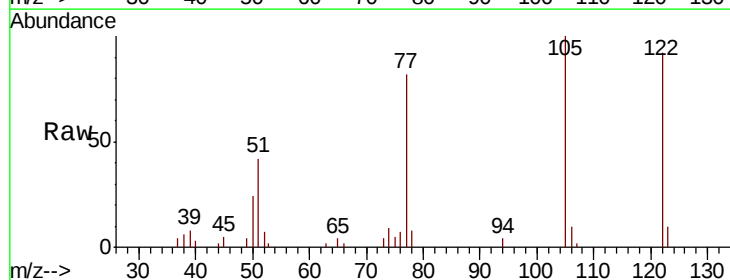
Tgt Ion:122 Resp: 21038

Ion Ratio Lower Upper

122 100

105 108.6 101.0 141.0

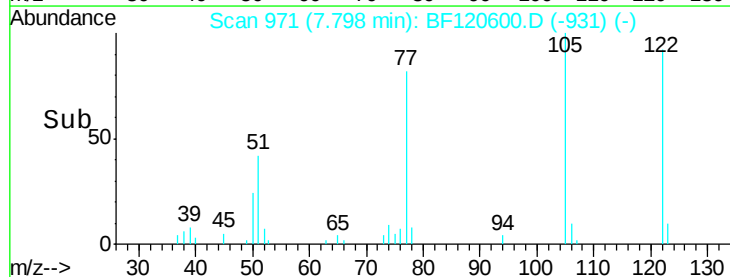
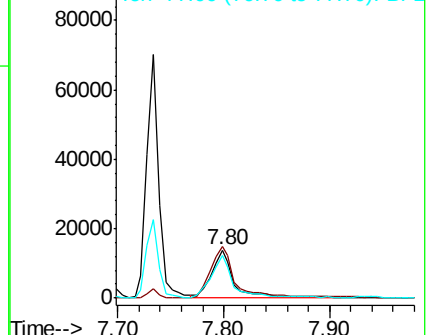
77 89.6 69.8 109.8

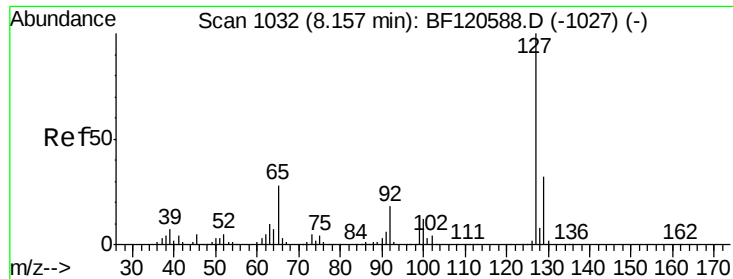


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

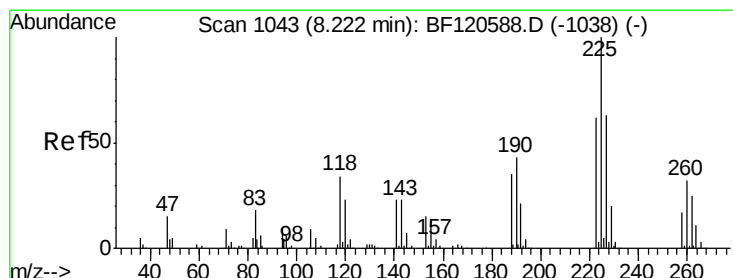
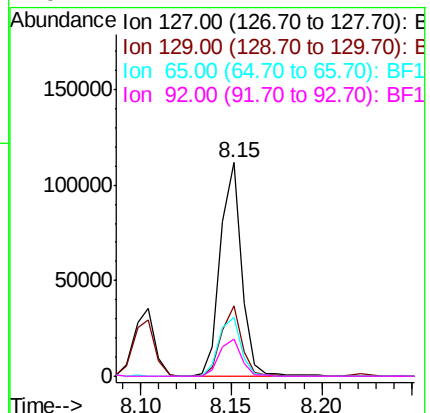
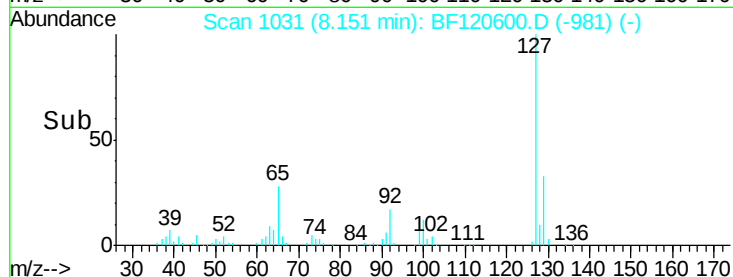
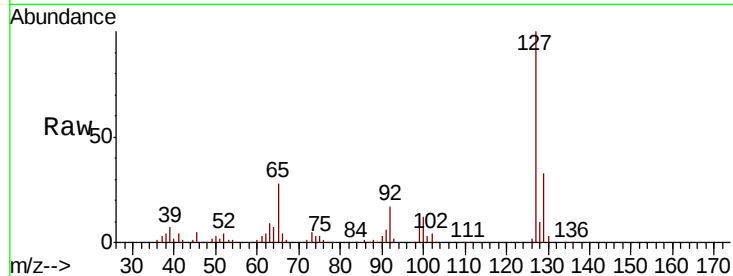




#33
4-Chloroaniline
Concen: 7.673 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

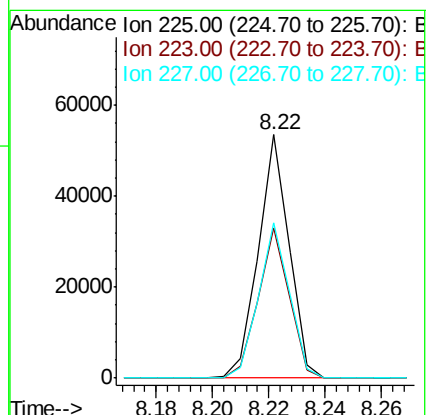
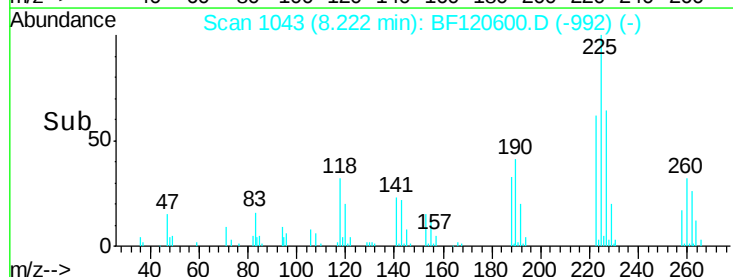
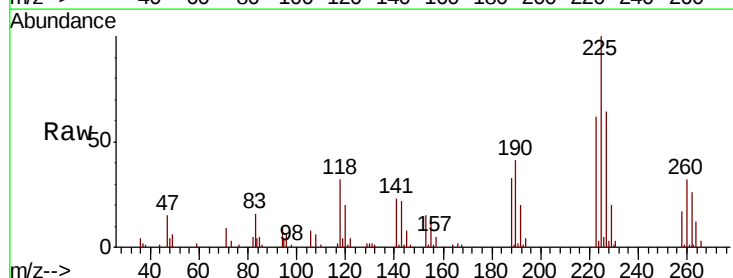
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

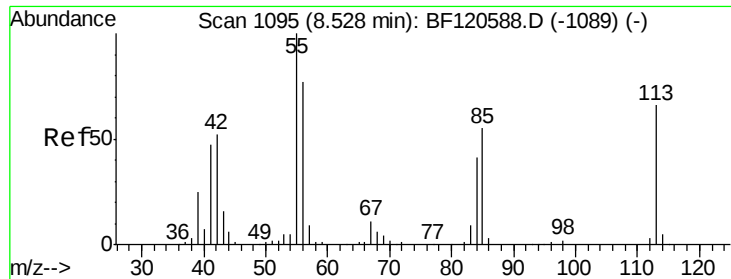
Tot Ion:	127	Resp:	91115
Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.9	38.9
65	27.6	22.2	33.4
92	17.2	14.2	21.2



#34
Hexachlorobutadiene
Concen: 7.992 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion:	225	Resp:	40322
Ion	Ratio	Lower	Upper
225	100		
223	61.8	49.9	74.9
227	64.1	50.5	75.7

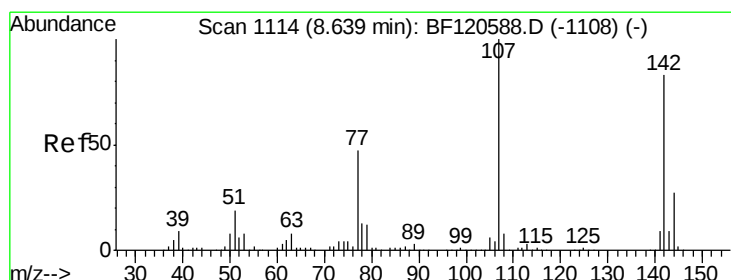
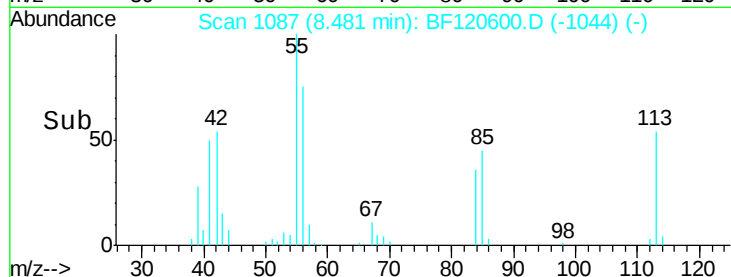
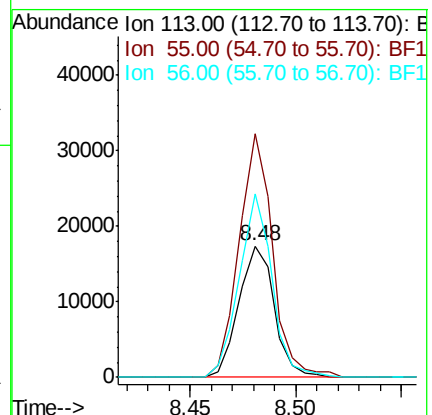
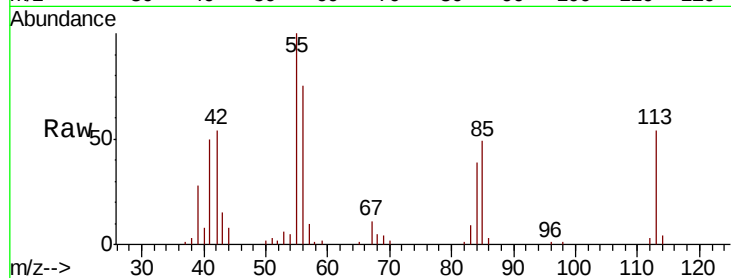




#35
Caprolactam
Concen: 8.056 ng
RT: 8.48 min Scan# 1087
Delta R.T. -0.05 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

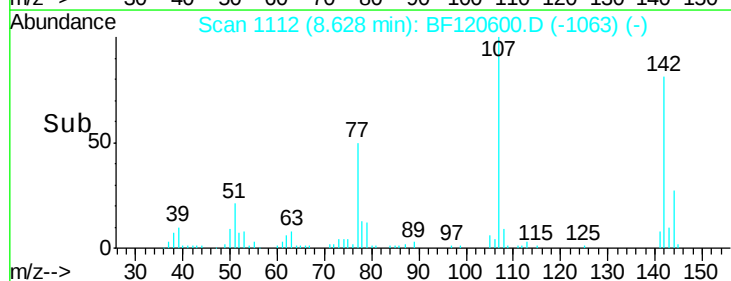
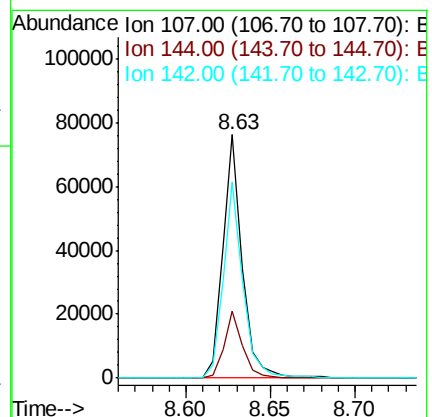
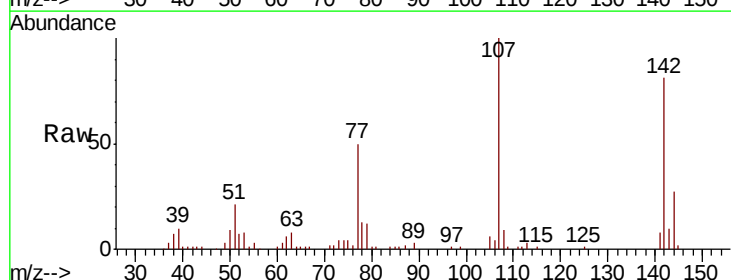
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

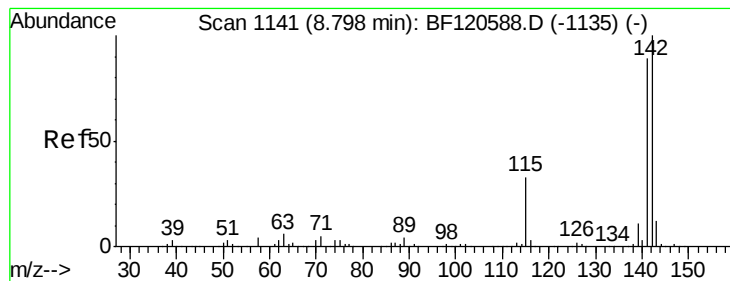
Tot Ion:113 Resp: 20124
Ion Ratio Lower Upper
113 100
55 185.1 133.1 173.1#
56 139.3 98.4 138.4#



#36
4-Chloro-3-methylphenol
Concen: 7.865 ng
RT: 8.63 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion:107 Resp: 61369
Ion Ratio Lower Upper
107 100
144 27.5 21.4 32.2
142 80.7 66.3 99.5





#37

2-Methylnaphthalene

Concen: 8.992 ng

RT: 8.79 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

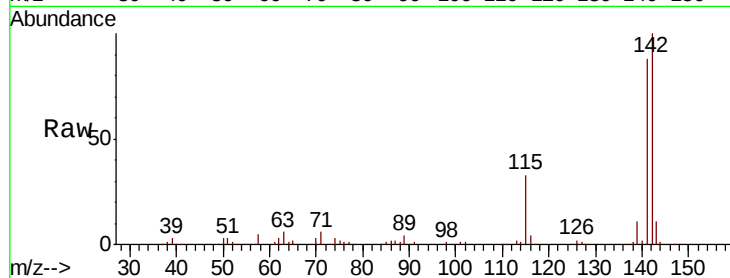
Tot Ion:142 Resp: 151877

Ion Ratio Lower Upper

142 100

141 87.6 71.4 107.0

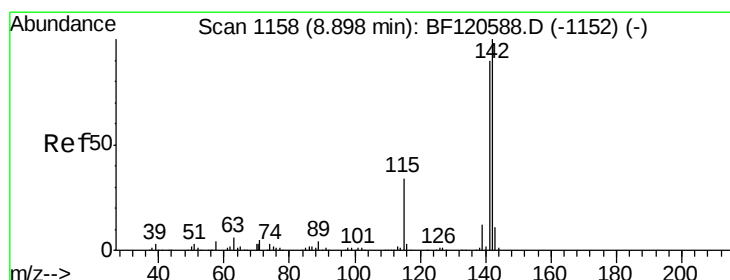
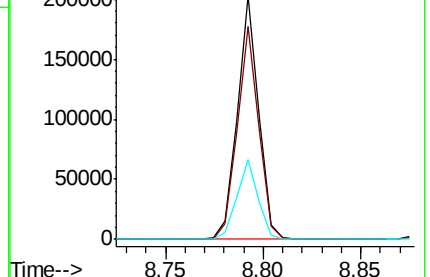
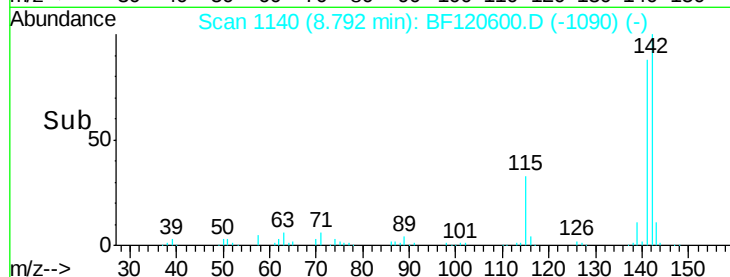
115 32.8 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 8.847 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

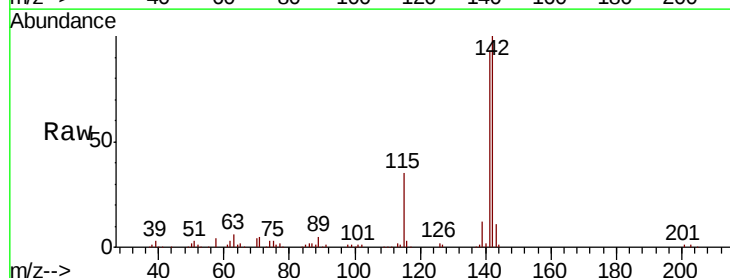
Tgt Ion:142 Resp: 140599

Ion Ratio Lower Upper

142 100

141 93.0 72.1 108.1

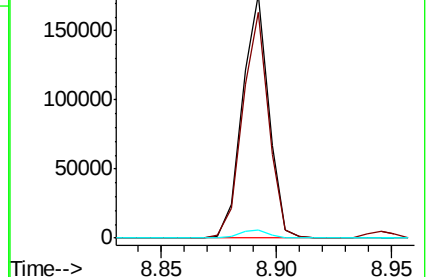
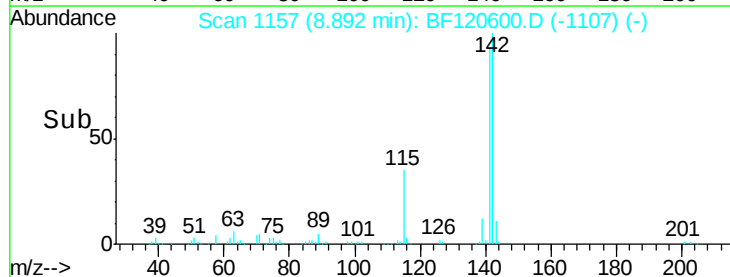
116 3.5 2.7 4.1

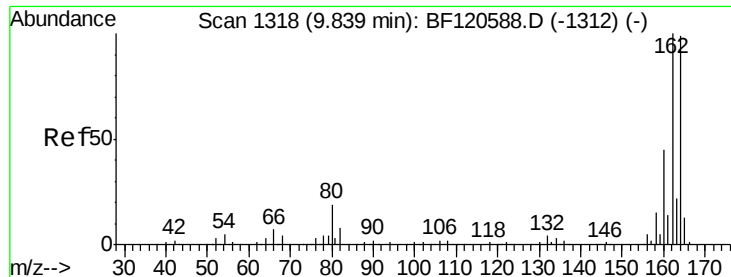


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

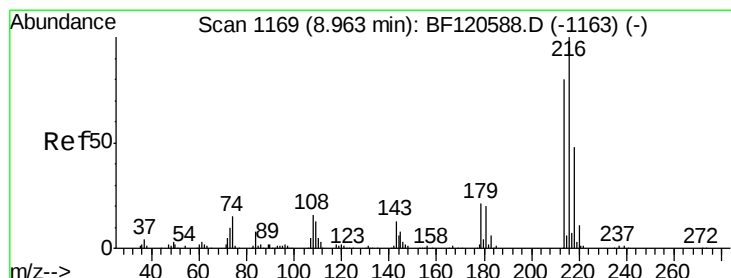
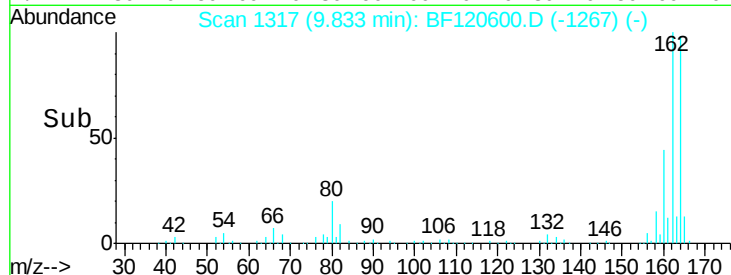
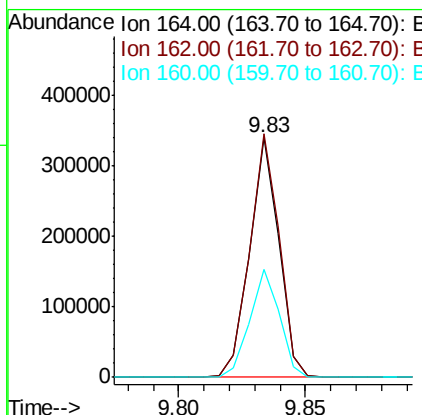
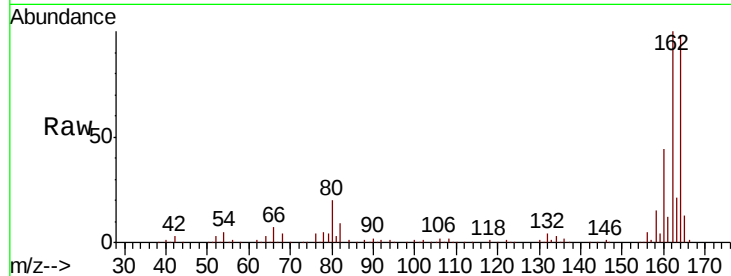




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

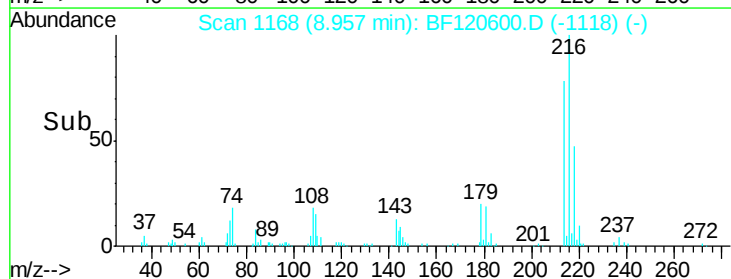
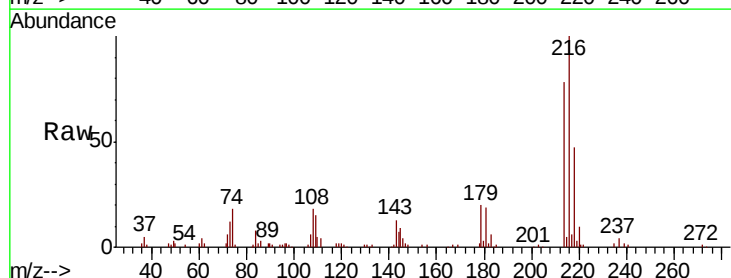
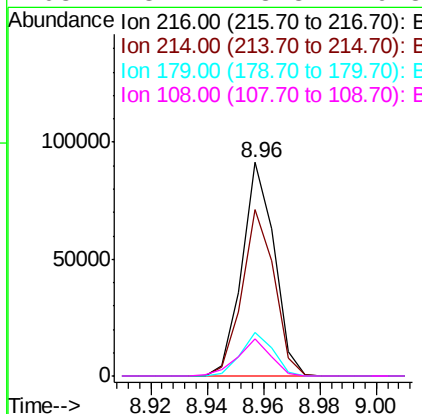
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

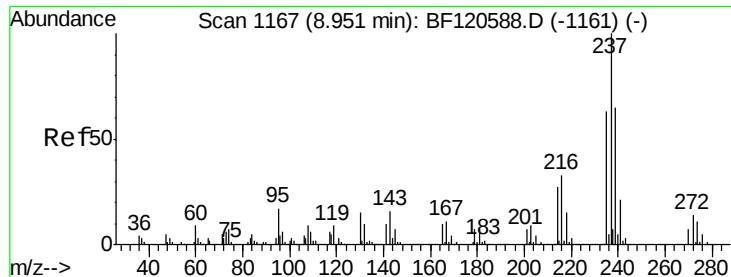
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	45.2	36.2	54.2



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 8.861 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.8	95.6
179	20.0	16.4	24.6
108	18.2	13.8	20.8





#41

Hexachlorocyclopentadiene

Concen: 6.186 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

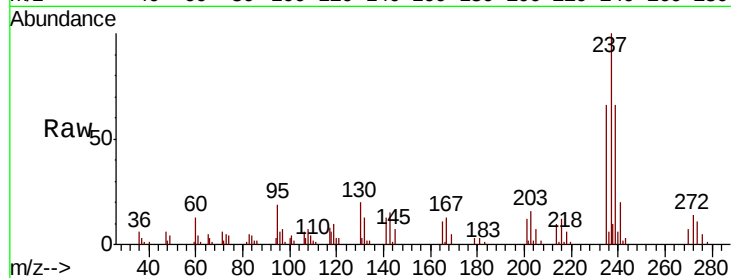
Tot Ion:237 Resp: 28363

Ion Ratio Lower Upper

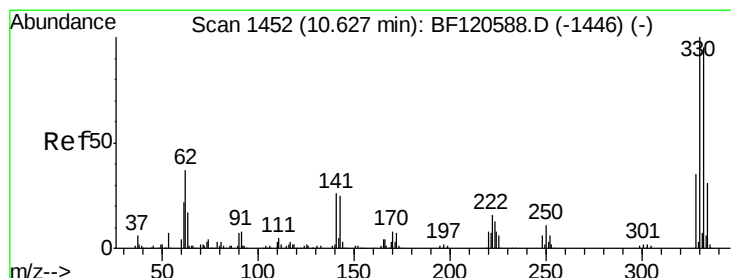
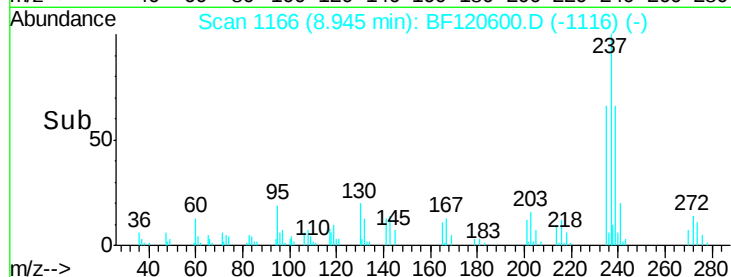
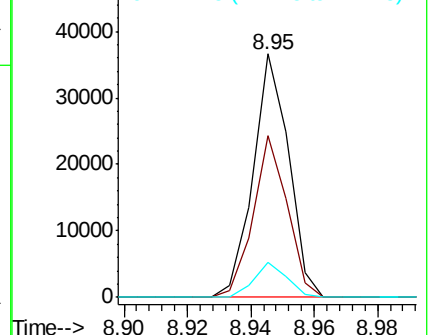
237 100

235 66.2 43.2 83.2

272 14.2 0.0 33.9



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



#42

2,4,6-Tribromophenol

Concen: 148.745 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

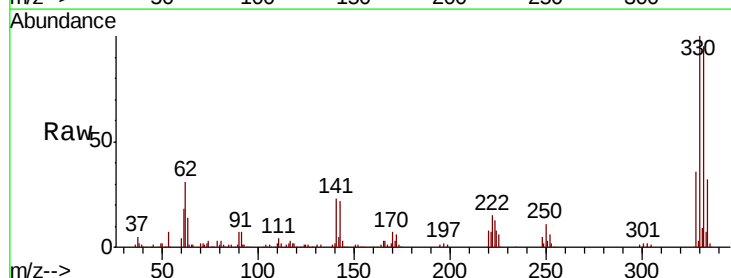
Tgt Ion:330 Resp: 473894

Ion Ratio Lower Upper

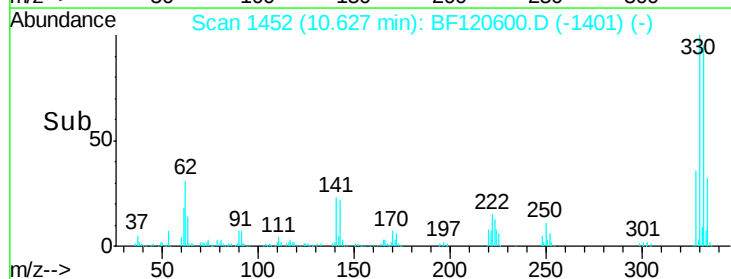
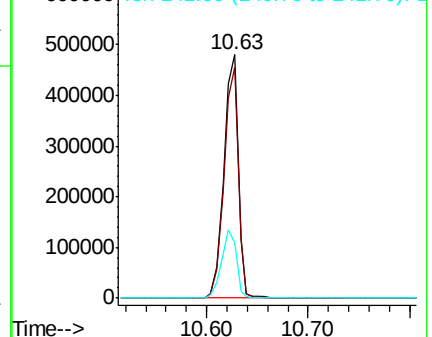
330 100

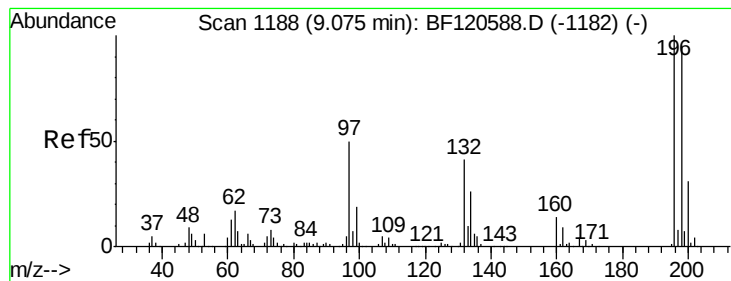
332 95.0 76.8 115.2

141 29.3 23.2 34.8



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





#43

2,4,6-Trichlorophenol

Concen: 7.408 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

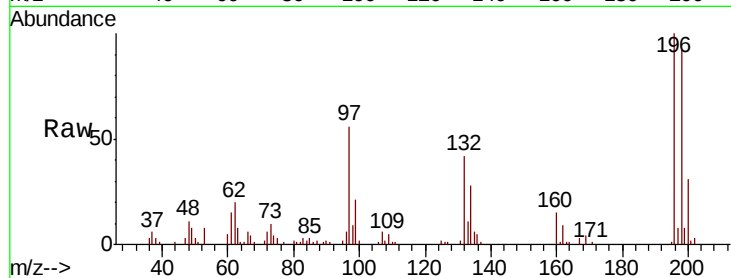
Tot Ion:196 Resp: 43000

Ion Ratio Lower Upper

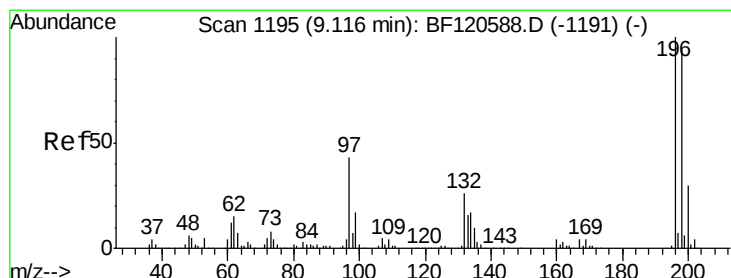
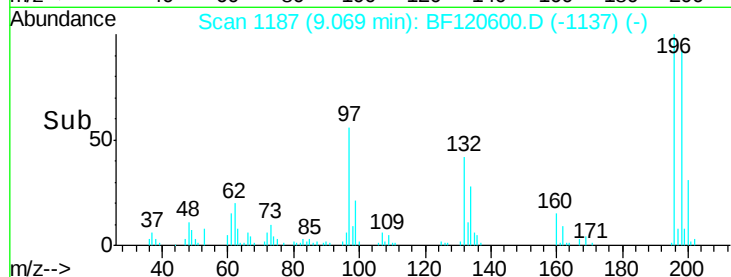
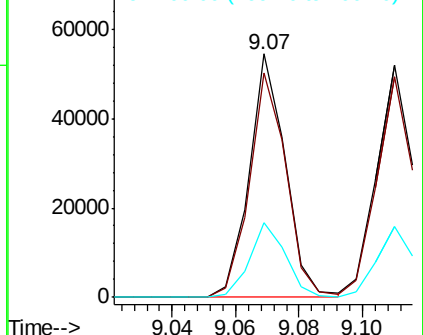
196 100

198 91.9 76.2 114.2

200 30.9 24.6 37.0



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



#44

2,4,5-Trichlorophenol

Concen: 6.983 ng

RT: 9.11 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Tgt Ion:196 Resp: 45985

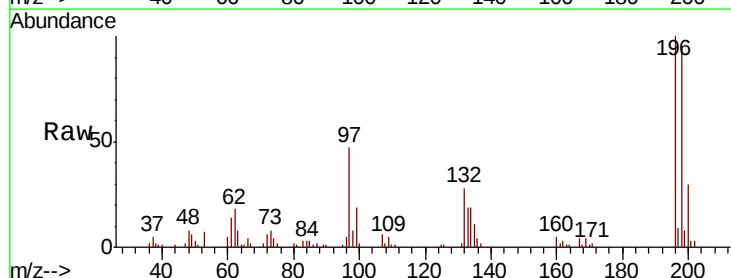
Ion Ratio Lower Upper

196 100

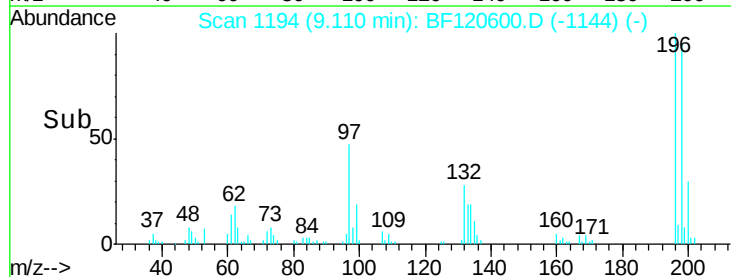
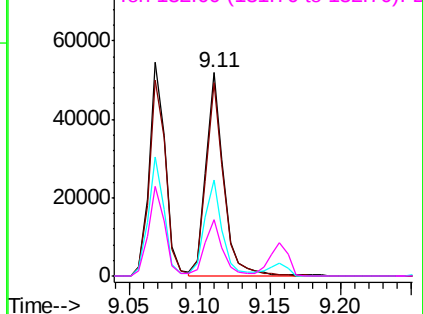
198 95.1 75.5 113.3

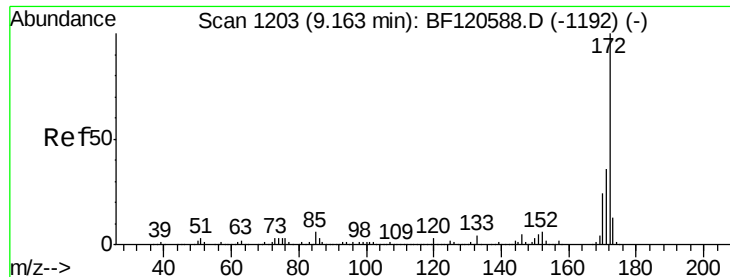
97 47.1 34.4 51.6

132 27.8 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

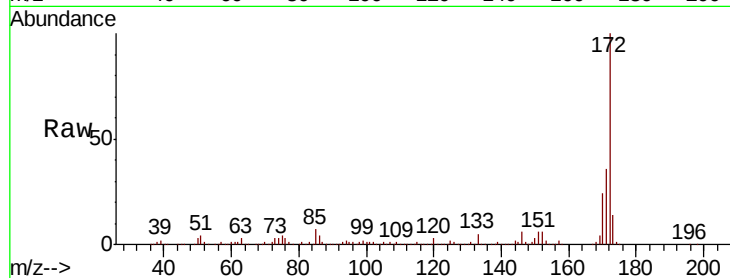




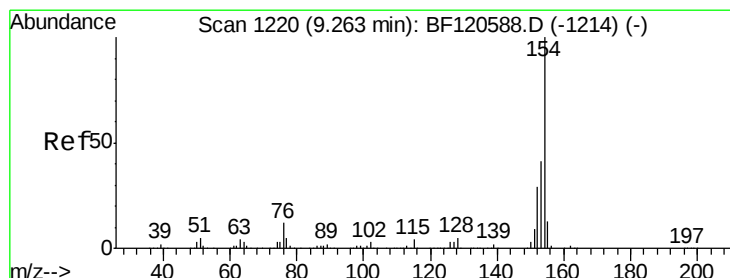
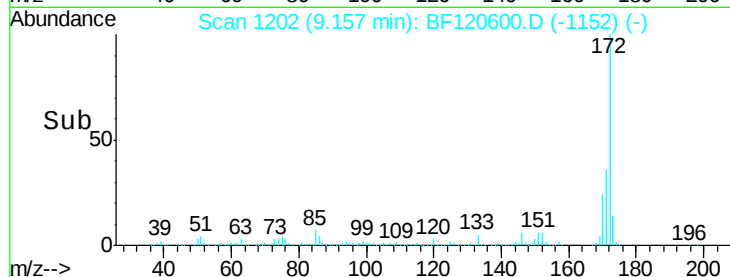
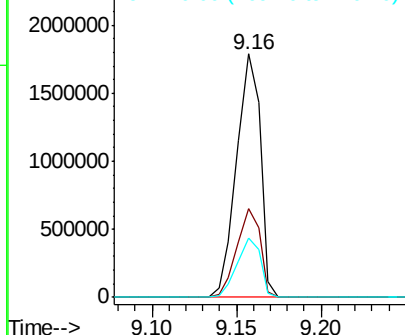
#45
2-Fluorobiphenyl
Concen: 98.033 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

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

Tot Ion:172 Resp: 1755810
Ion Ratio Lower Upper
172 100
171 36.3 29.0 43.4
170 24.5 19.4 29.2

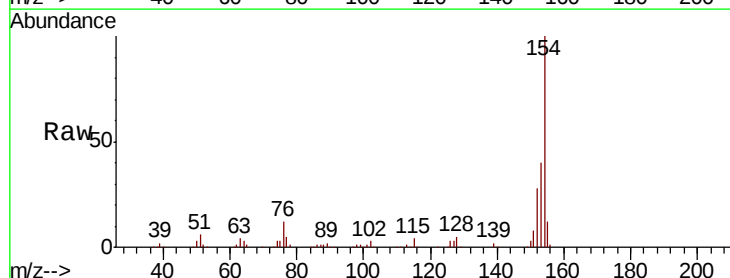


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

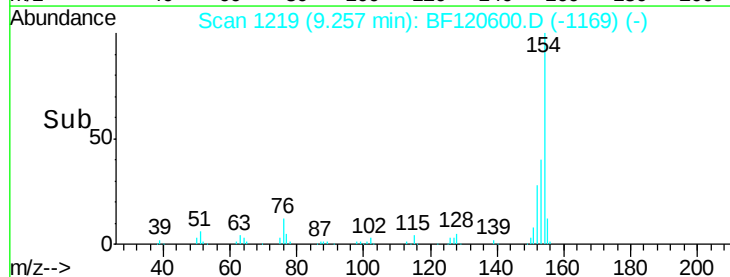
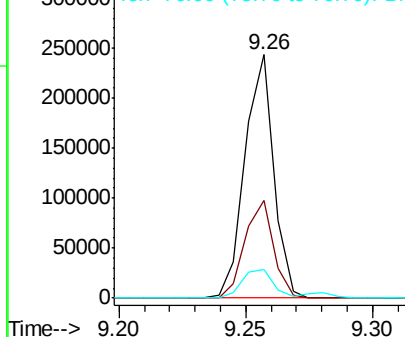


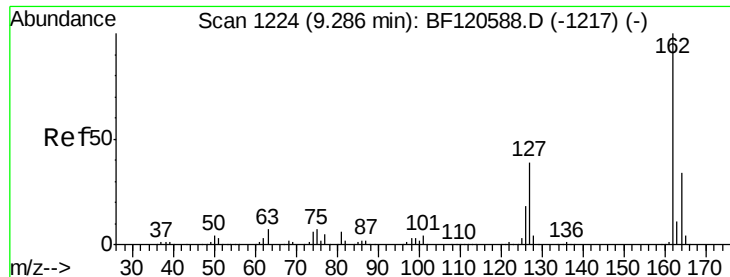
#46
1,1'-Biphenyl
Concen: 9.375 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion:154 Resp: 191826
Ion Ratio Lower Upper
154 100
153 40.2 21.4 61.4
76 11.8 0.0 31.6



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

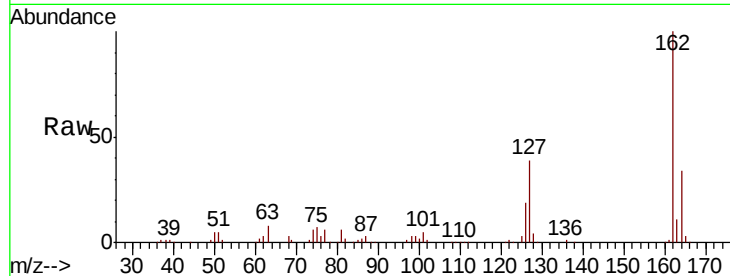




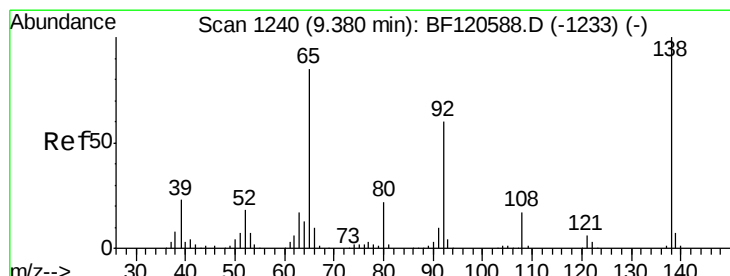
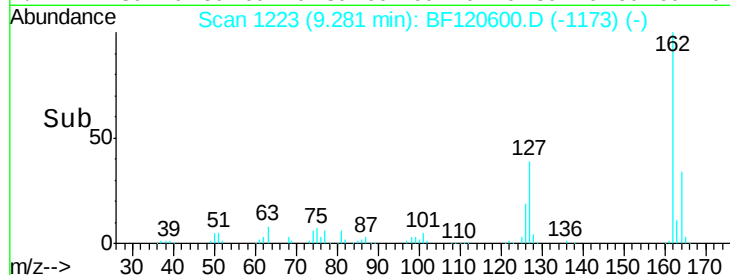
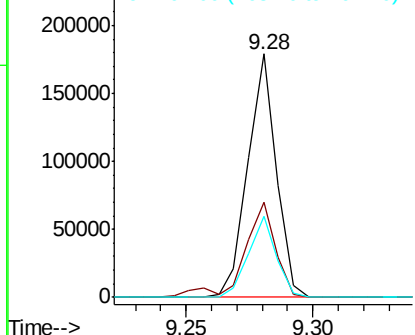
#47
 2-Chloronaphthalene
 Concen: 8.349 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

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

Tot Ion	Ratio	Lower	Upper
162	100		
127	39.0	31.3	46.9
164	33.5	26.9	40.3

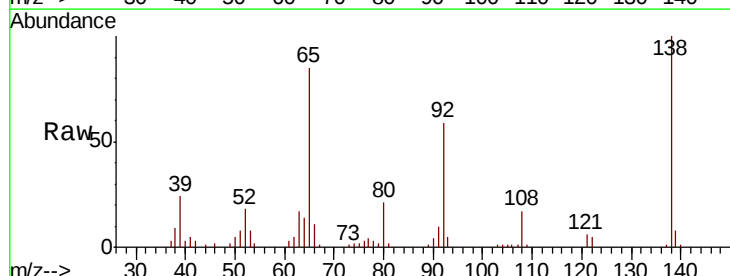


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

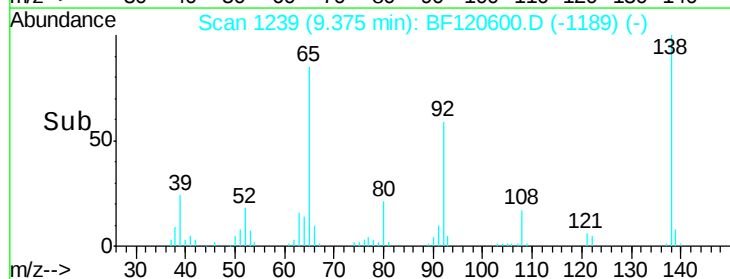
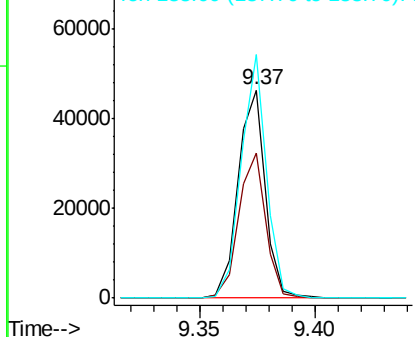


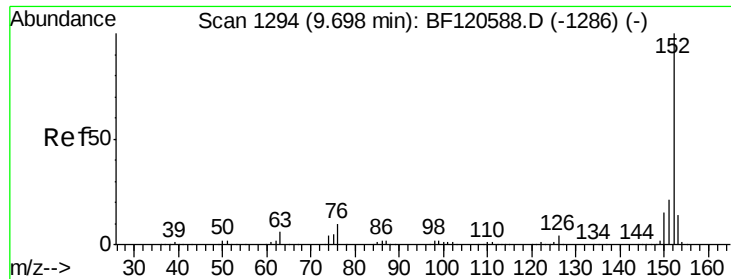
#48
 2-Nitroaniline
 Concen: 7.262 ng
 RT: 9.37 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.5	56.0	84.0
138	117.1	94.0	141.0



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





#49

Acenaphthylene

Concen: 8.733 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

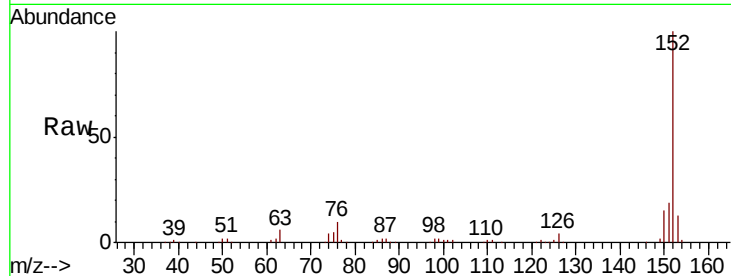
Tot Ion:152 Resp: 225508

Ion Ratio Lower Upper

152 100

151 19.2 16.6 25.0

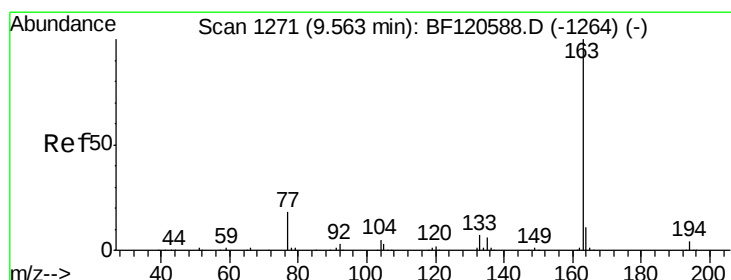
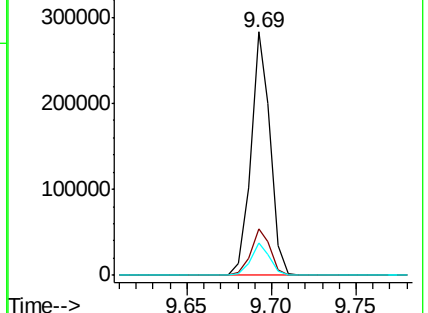
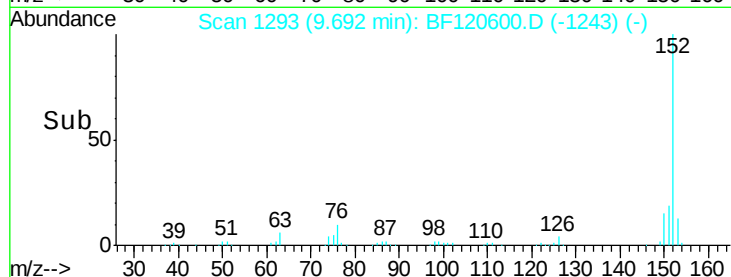
153 13.4 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 8.077 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

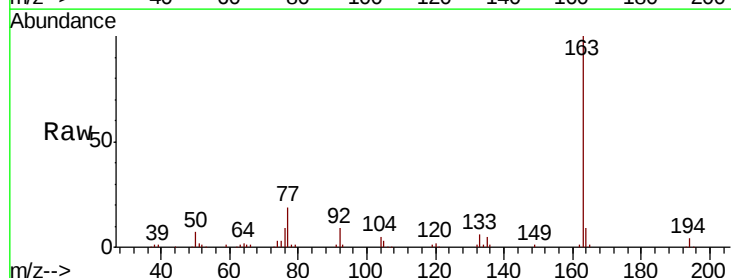
Tgt Ion:163 Resp: 159402

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

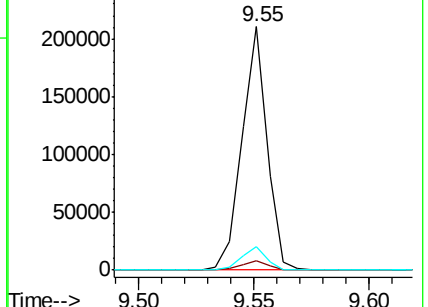
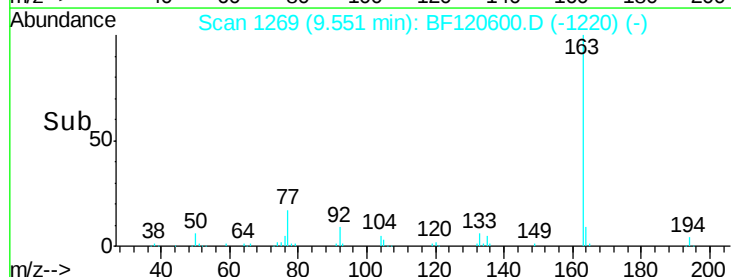
164 9.4 8.5 12.7

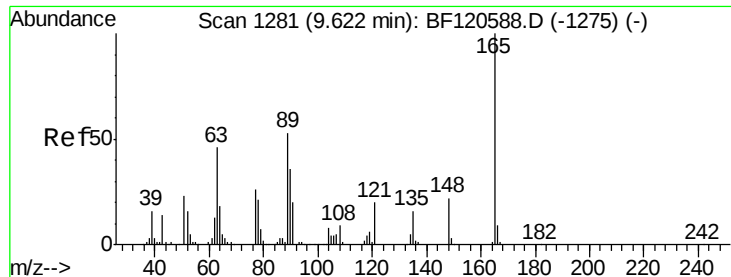


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 7.188 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

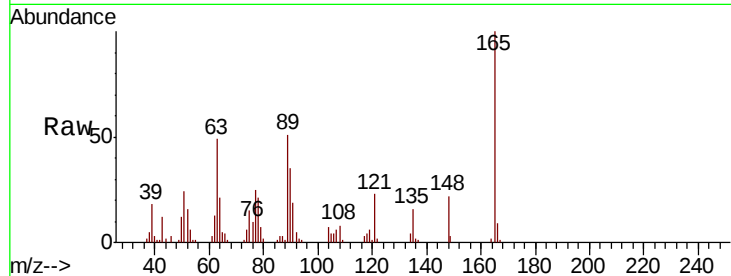
Tot Ion:165 Resp: 32148

Ion Ratio Lower Upper

165 100

63 48.6 41.7 62.5

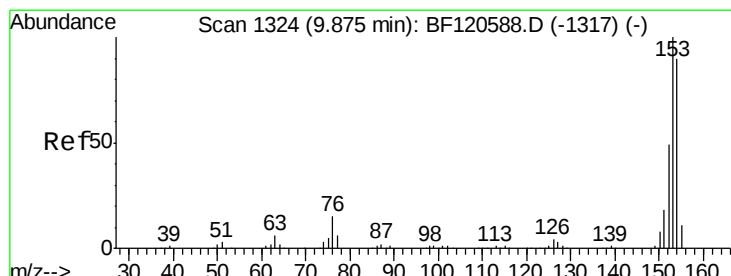
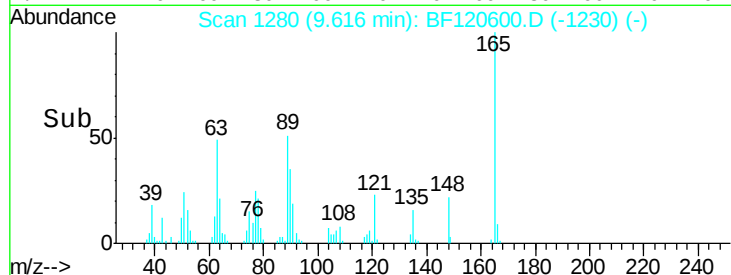
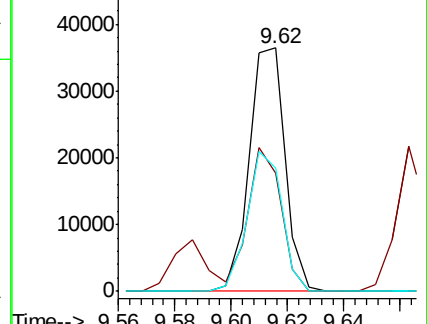
89 50.5 42.6 64.0



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: 8.858 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

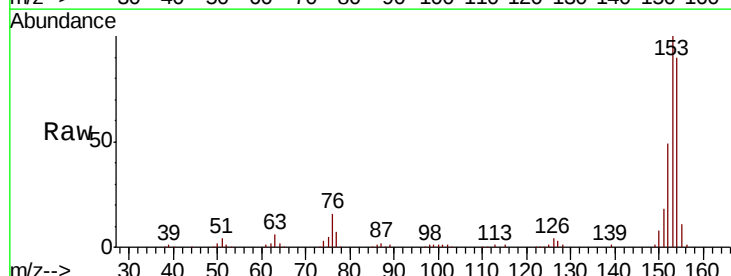
Tgt Ion:154 Resp: 136419

Ion Ratio Lower Upper

154 100

153 110.5 89.1 133.7

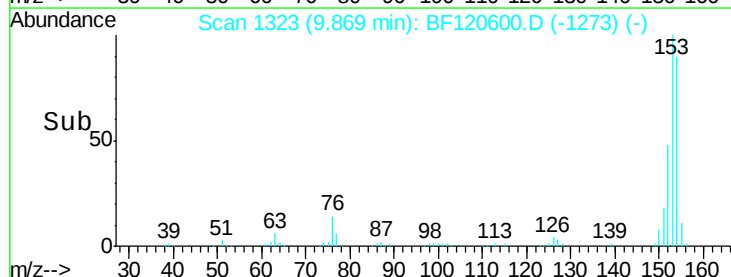
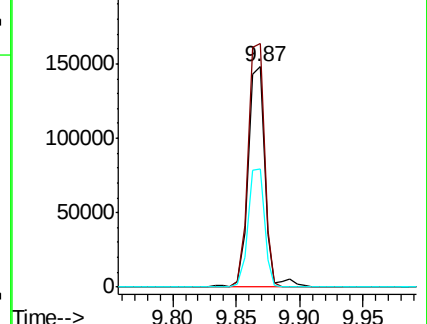
152 53.8 43.7 65.5

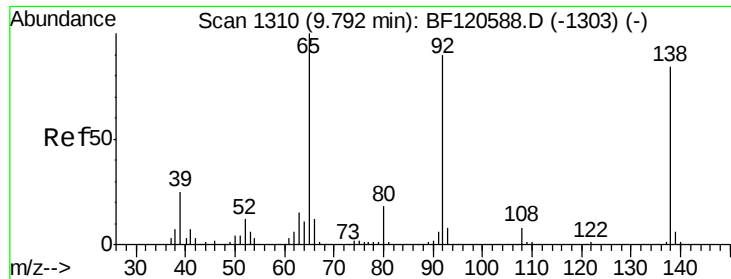


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

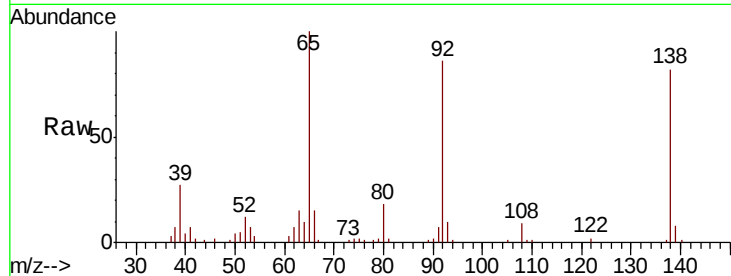




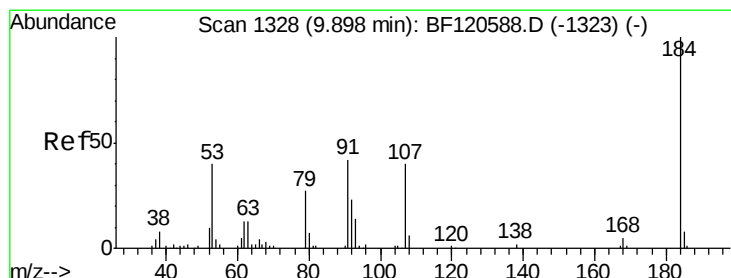
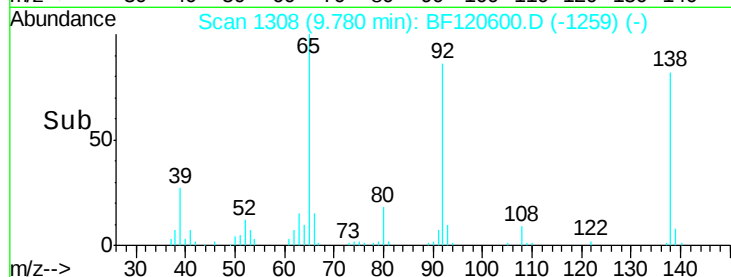
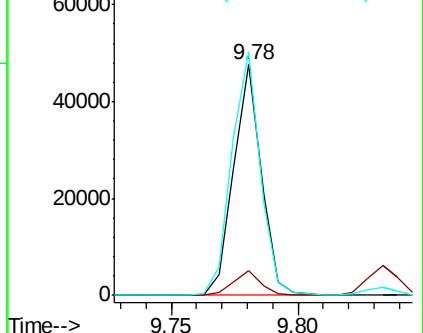
#53
 3-Nitroaniline
 Concen: 6.725 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

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

Tot Ion:138 Resp: 36126
 Ion Ratio Lower Upper
 138 100
 108 10.9 8.0 12.0
 92 105.5 86.0 129.0

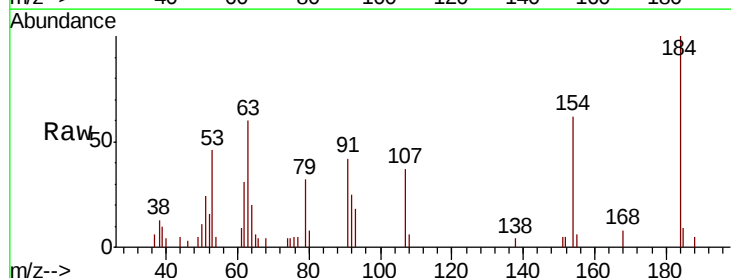


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

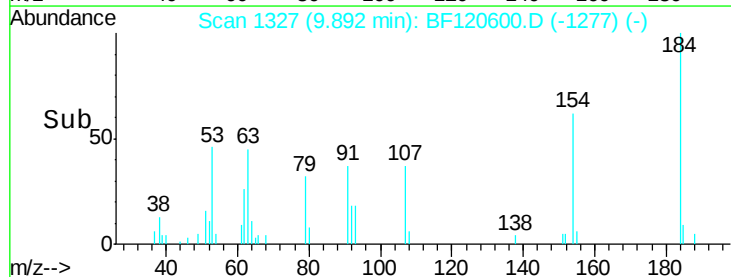
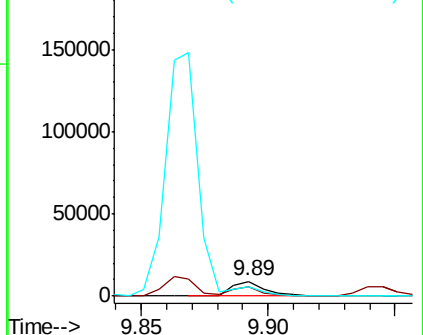


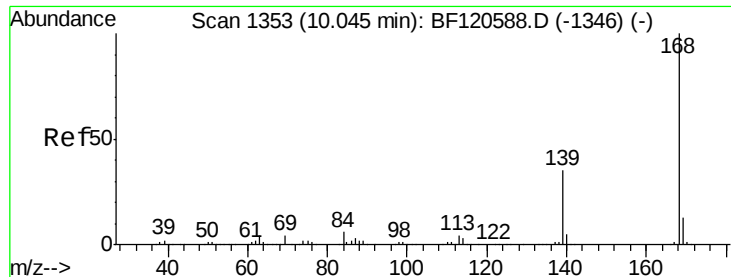
#54
 2,4-Dinitrophenol
 Concen: 3.510 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Tgt Ion:184 Resp: 8416
 Ion Ratio Lower Upper
 184 100
 63 60.0 44.2 66.2
 154 61.7 45.9 68.9



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

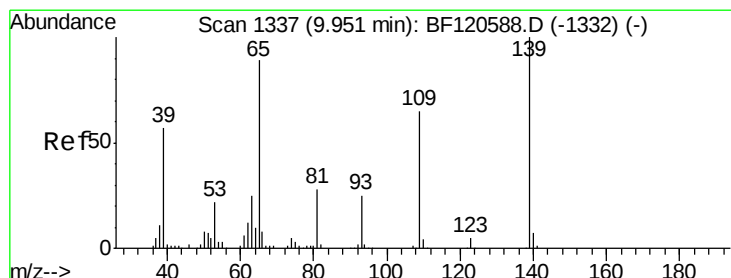
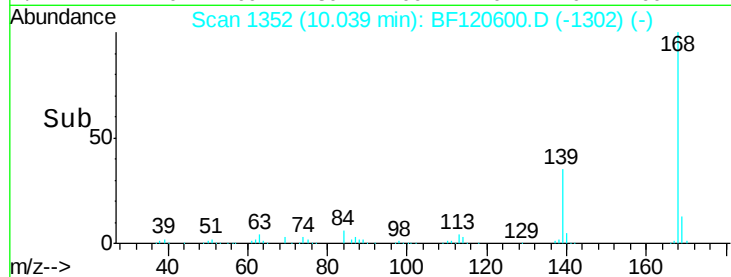
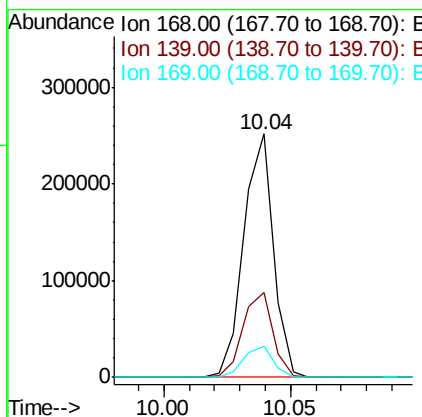
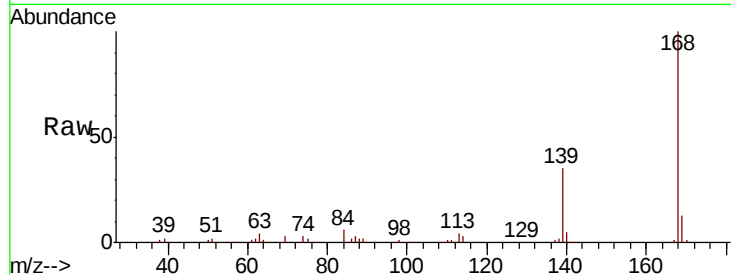




#55
Dibenzenofuran
Concen: 8.665 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

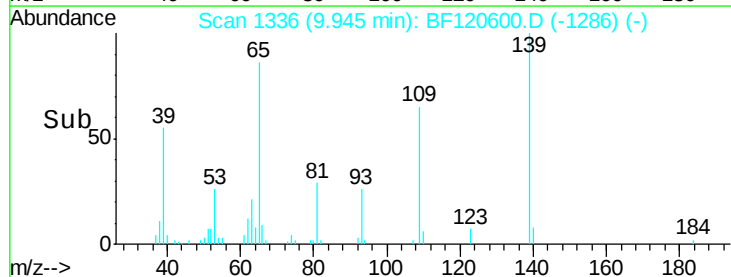
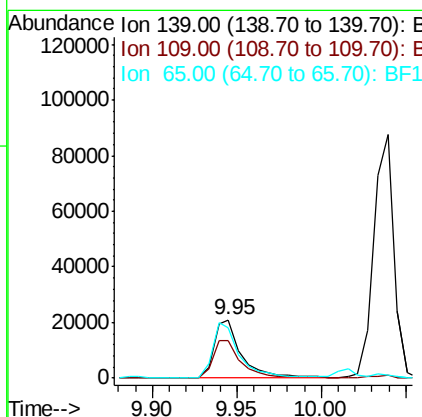
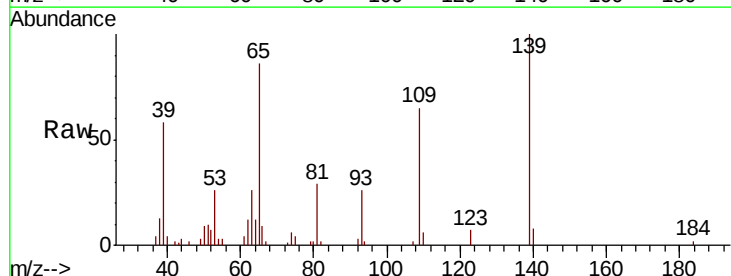
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

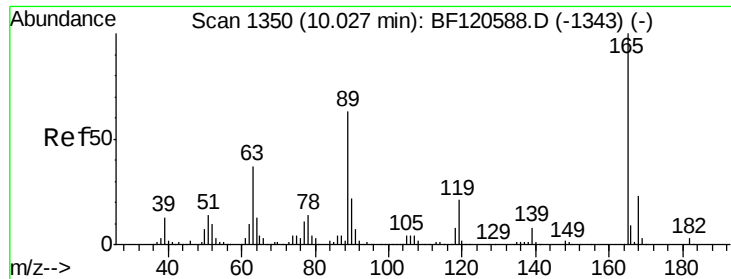
Tot Ion:168 Resp: 204622
Ion Ratio Lower Upper
168 100
139 34.8 28.1 42.1
169 12.8 10.6 16.0



#56
4-Nitrophenol
Concen: 5.974 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion:139 Resp: 24170
Ion Ratio Lower Upper
139 100
109 64.9 44.6 84.6
65 85.8 69.2 109.2

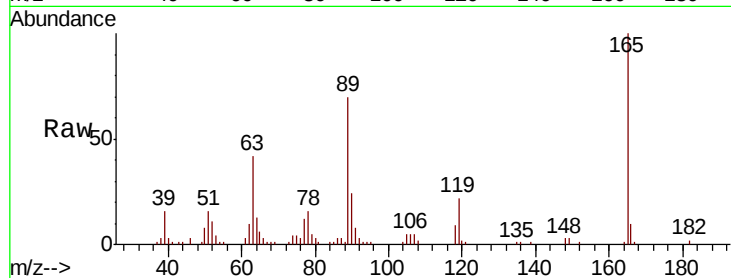




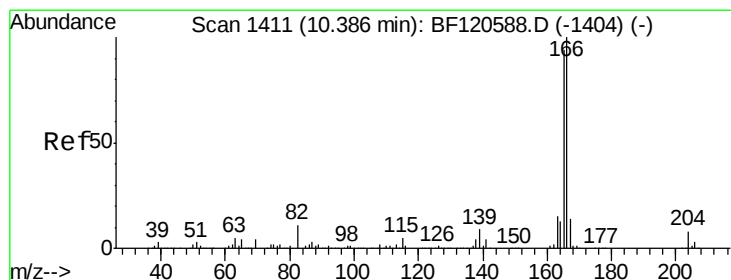
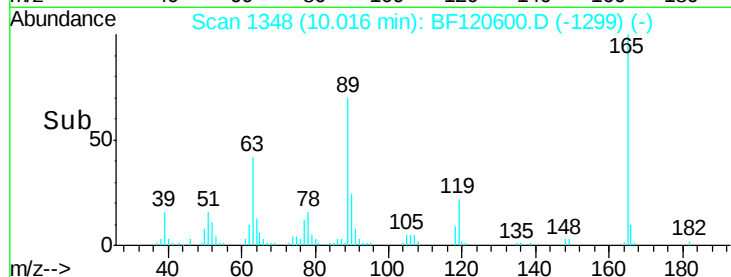
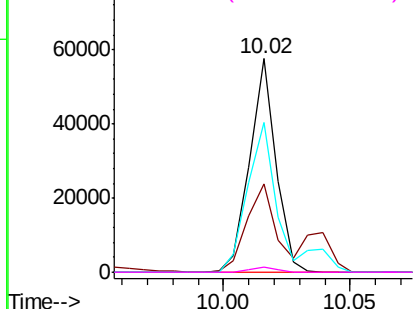
#57
2,4-Dinitrotoluene
Concen: 7.043 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

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

Tot Ion:165 Resp: 41797
Ion Ratio Lower Upper
165 100
63 41.5 29.8 44.8
89 70.3 50.4 75.6
182 2.4 2.1 3.1

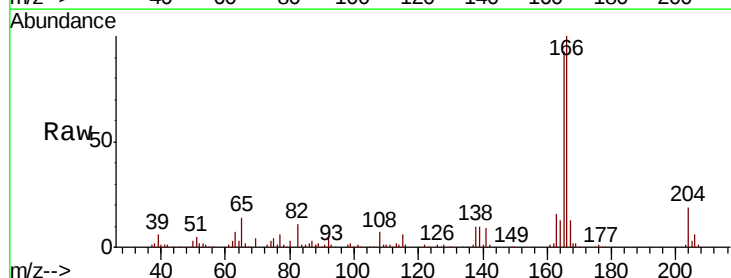


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

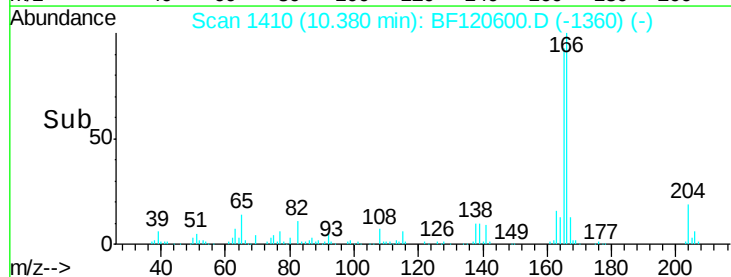
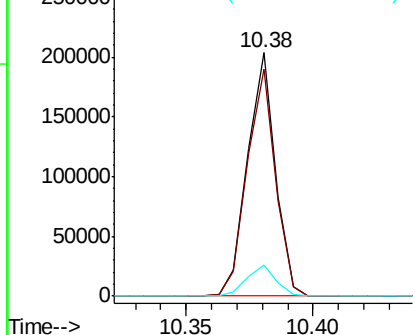


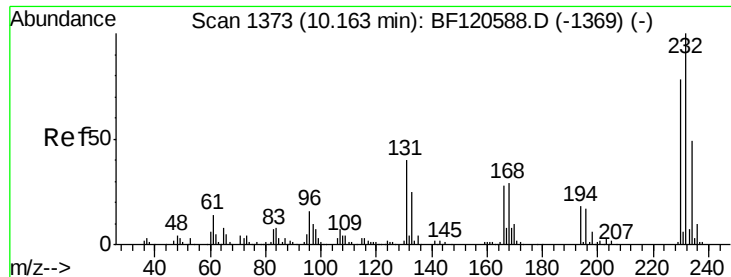
#58
Fluorene
Concen: 8.576 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion:166 Resp: 156114
Ion Ratio Lower Upper
166 100
165 93.1 75.0 112.6
167 12.6 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

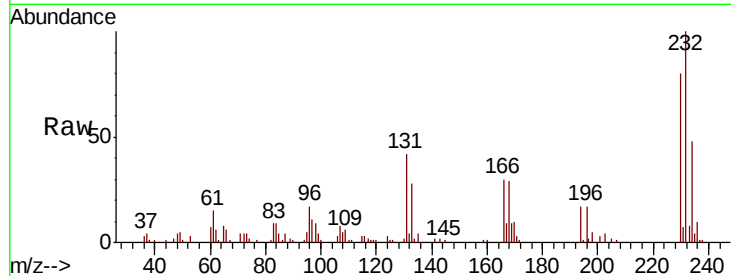




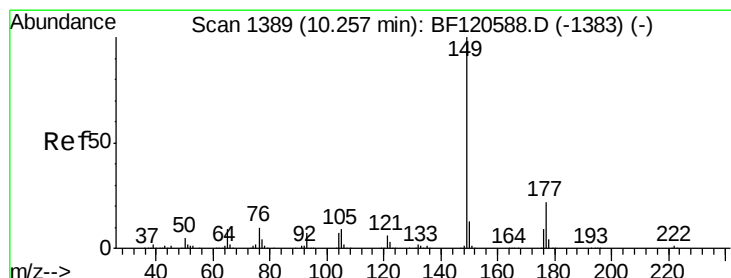
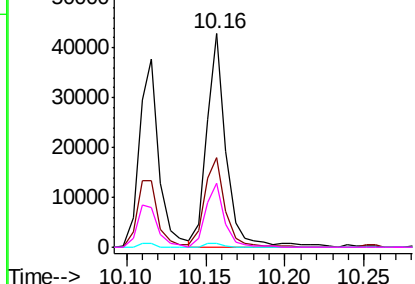
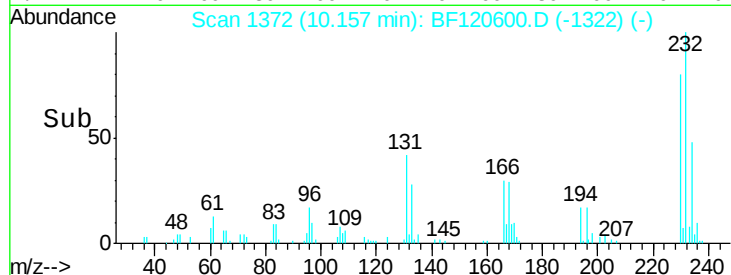
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.154 ng
 RT: 10.16 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

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

Tot Ion:232 Resp: 37060
 Ion Ratio Lower Upper
 232 100
 131 44.5 33.5 50.3
 130 1.9 1.5 2.3
 166 29.8 23.4 35.0

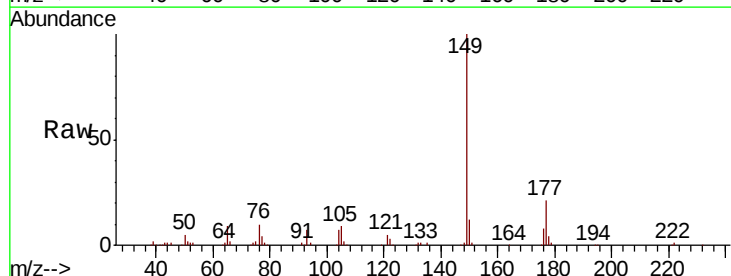


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

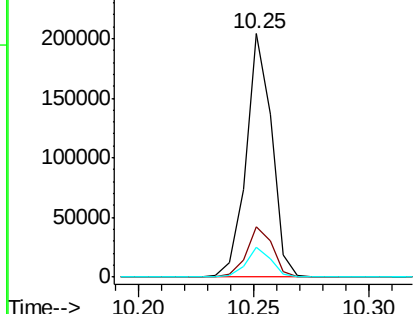
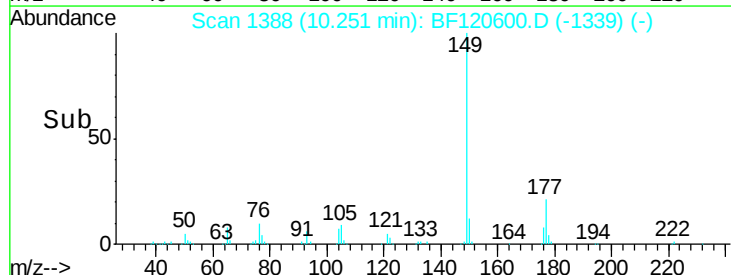


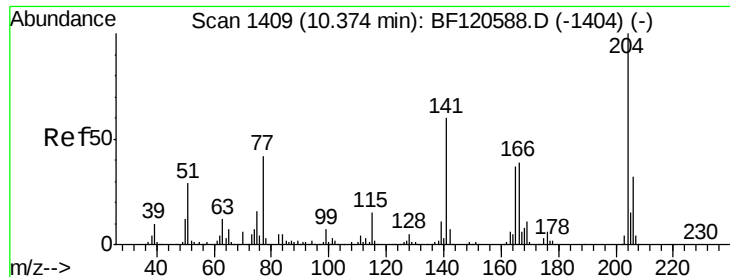
#60
 Diethylphthalate
 Concen: 8.109 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Tgt Ion:149 Resp: 157616
 Ion Ratio Lower Upper
 149 100
 177 20.8 17.3 25.9
 150 12.1 10.3 15.5



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

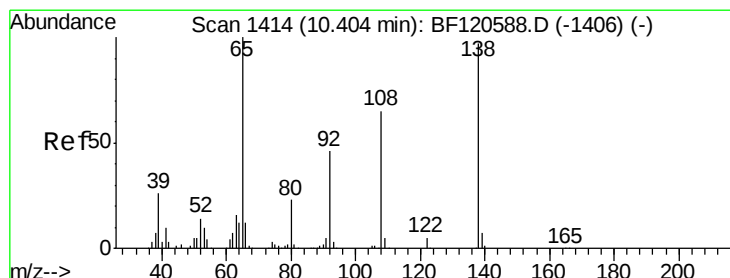
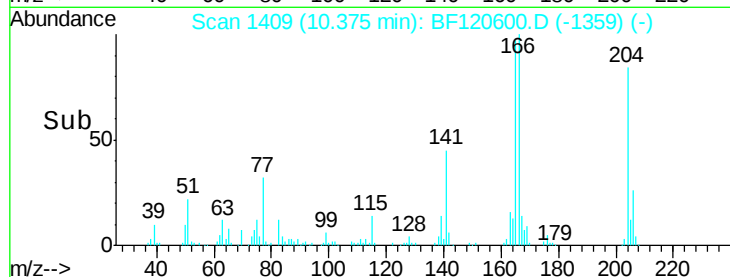
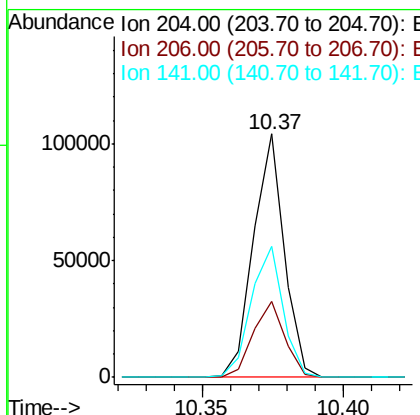
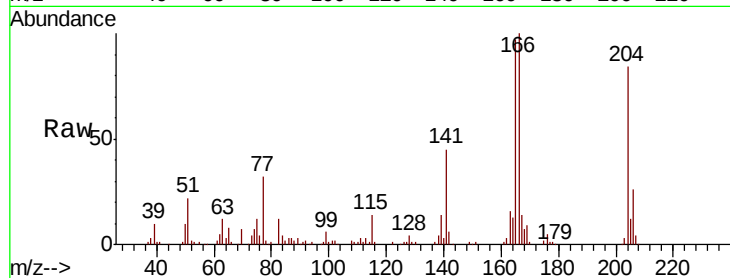




#61
4-Chlorophenyl-phenylether
Concen: 8.388 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

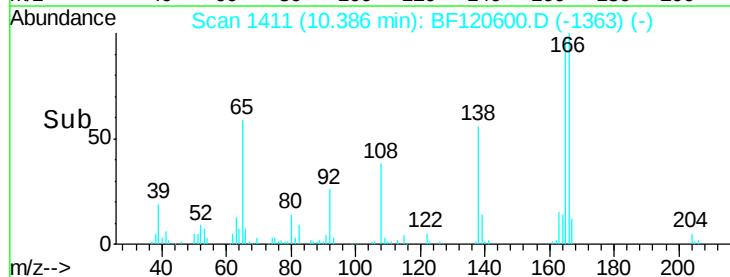
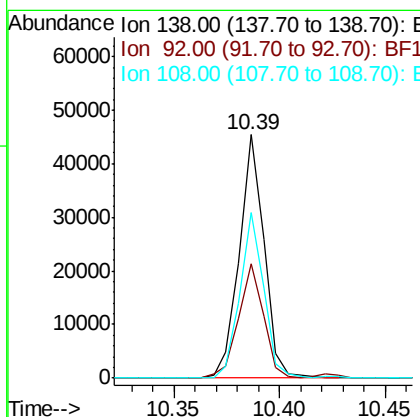
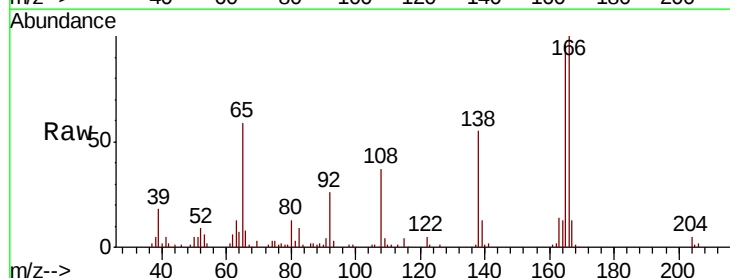
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

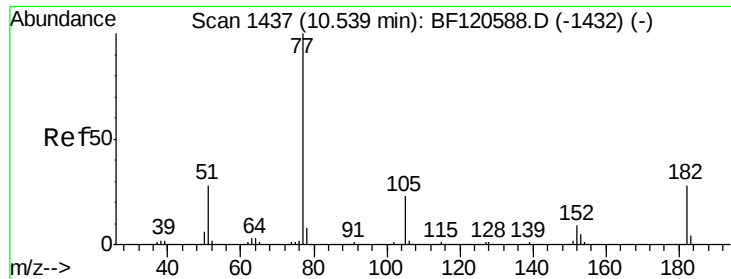
Tot Ion	Ratio	Lower	Upper
204	100		
206	31.1	25.9	38.9
141	53.6	47.6	71.4



#62
4-Nitroaniline
Concen: 6.901 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.02 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.1	27.3	67.3
108	67.8	47.4	87.4





#63

Azobenzene

Concen: 8.561 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 77 Resp: 151051

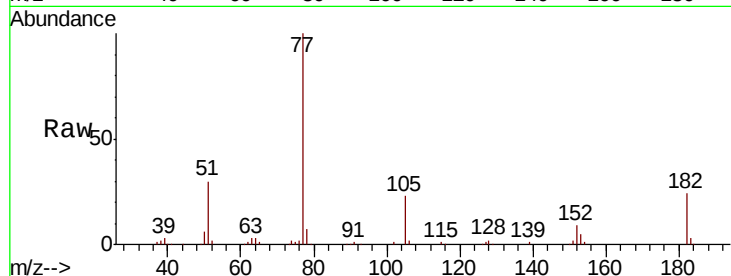
Ion Ratio Lower Upper

77 100

182 23.9 7.7 47.7

105 22.9 3.2 43.2

51 29.9 8.5 48.5

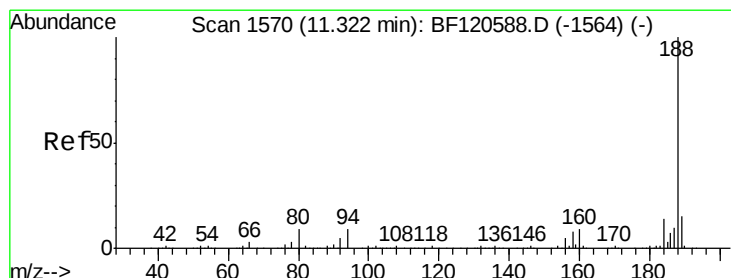
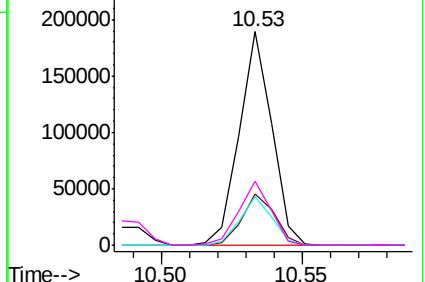
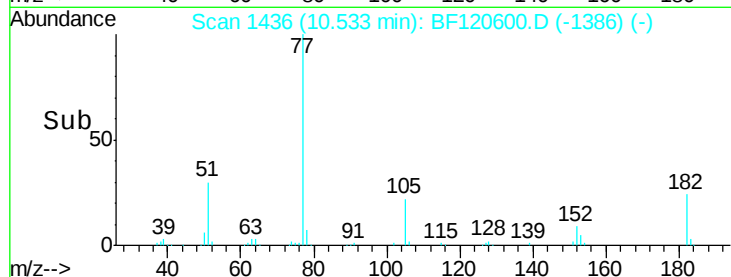


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

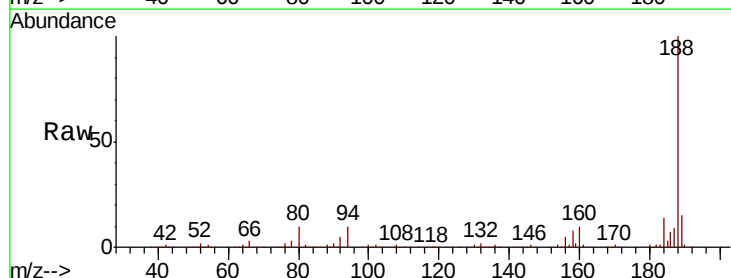
Tgt Ion: 188 Resp: 525190

Ion Ratio Lower Upper

188 100

94 9.5 7.2 10.8

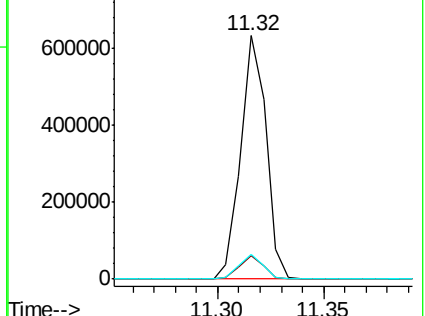
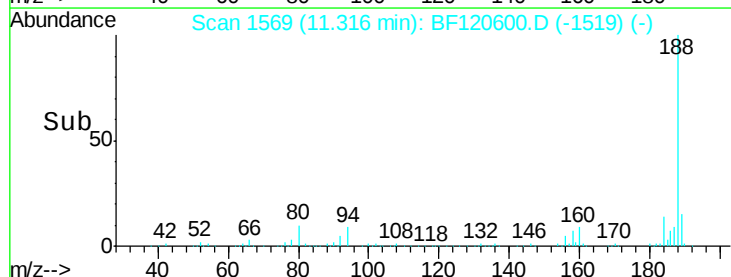
80 10.0 7.4 11.2

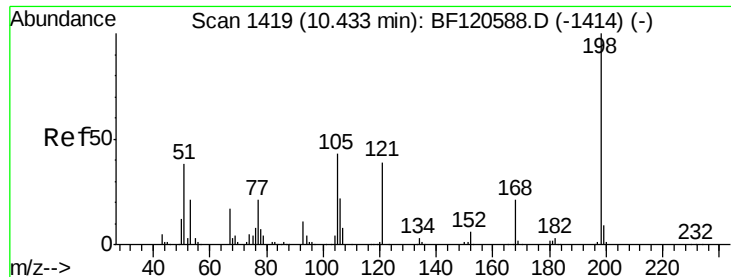


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

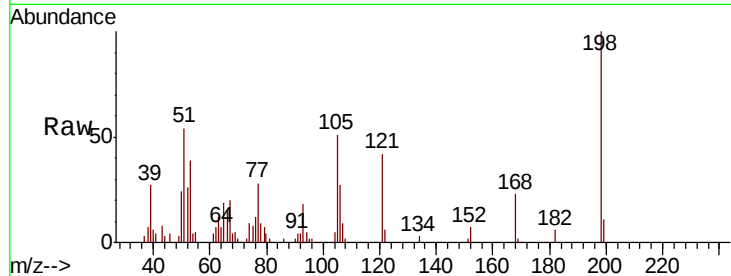




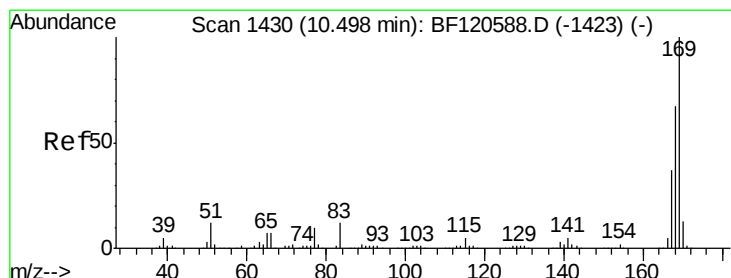
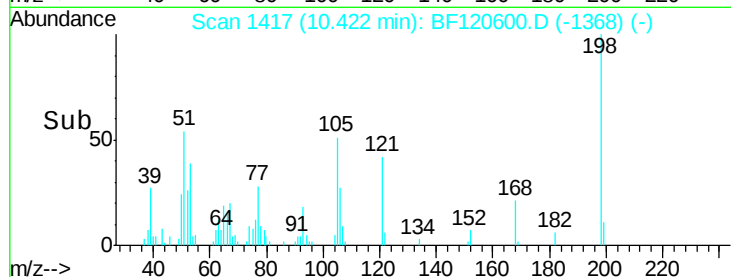
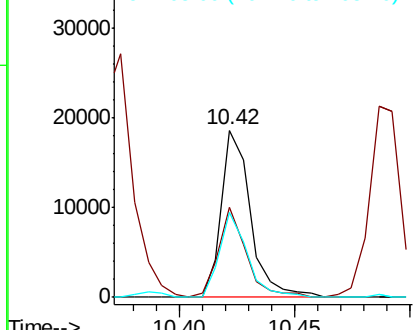
#65
4,6-Dinitro-2-methylphenol
Concen: 5.180 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

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

Tot Ion:198 Resp: 16323
Ion Ratio Lower Upper
198 100
51 53.9 24.8 64.8
105 50.8 23.9 63.9

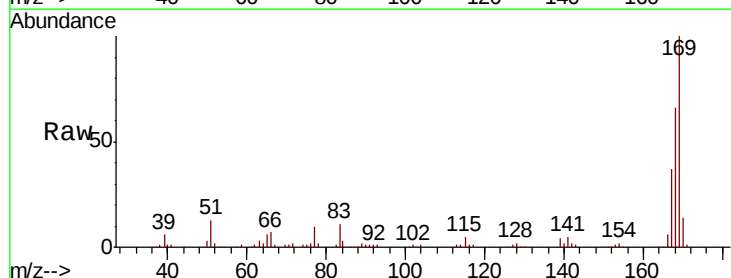


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

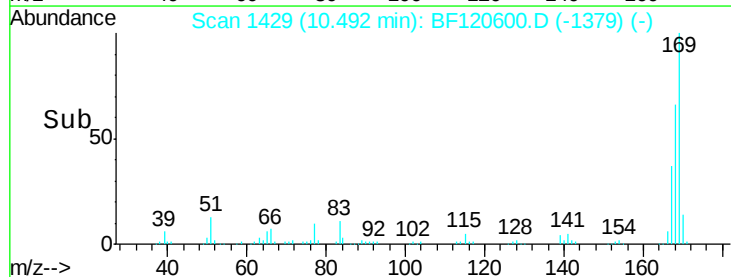
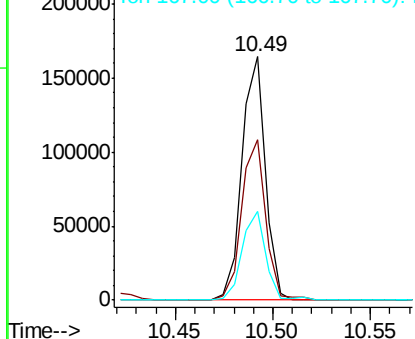


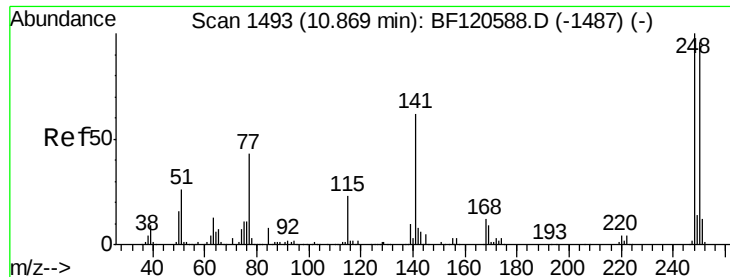
#66
n-Nitrosodiphenylamine
Concen: 8.484 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion:169 Resp: 136837
Ion Ratio Lower Upper
169 100
168 66.1 53.7 80.5
167 36.5 29.9 44.9



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

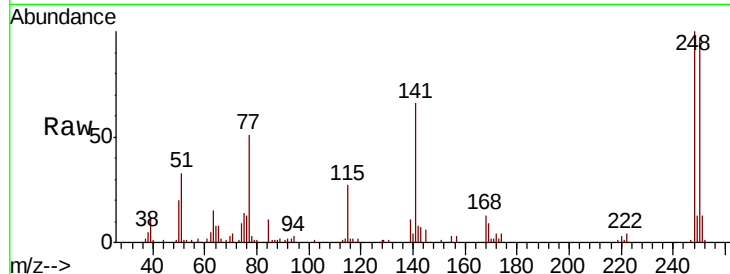




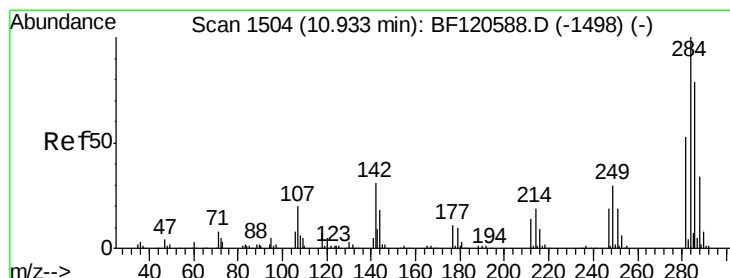
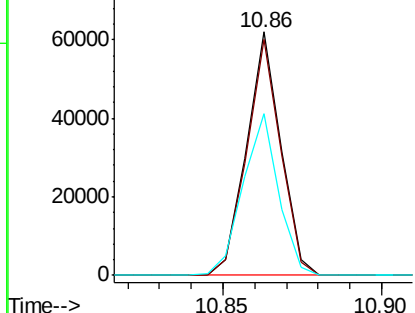
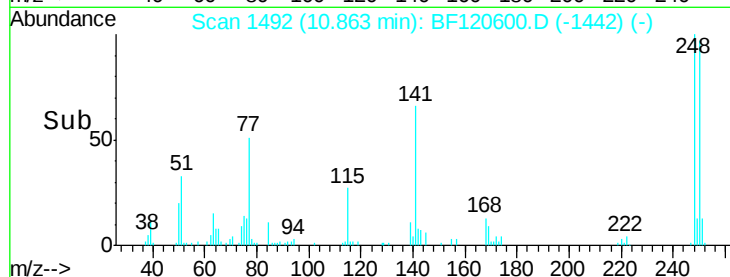
#67
 4-Bromophenyl-phenylether
 Concen: 7.763 ng
 RT: 10.86 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

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

Tot Ion:248 Resp: 46269
 Ion Ratio Lower Upper
 248 100
 250 96.9 76.7 115.1
 141 66.4 49.4 74.0

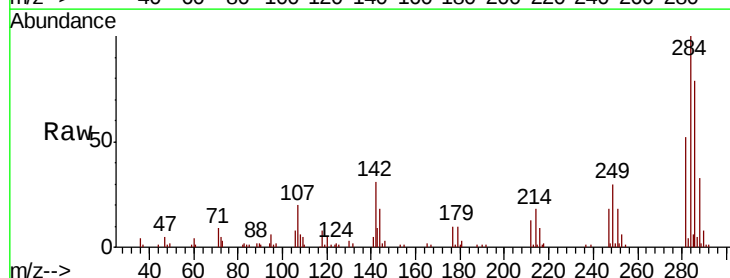


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

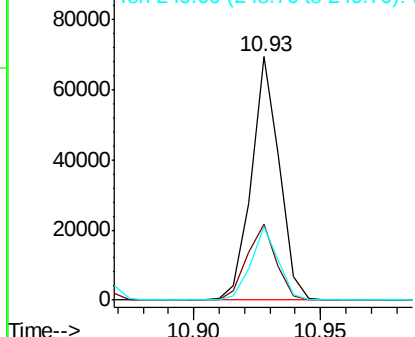
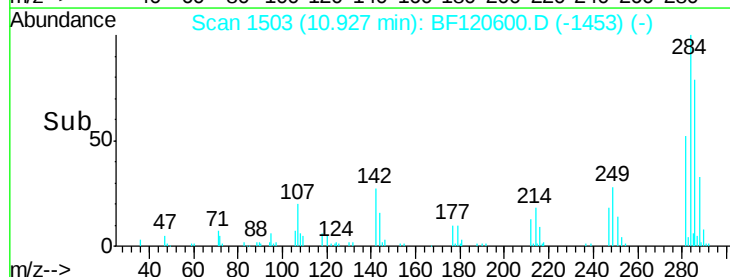


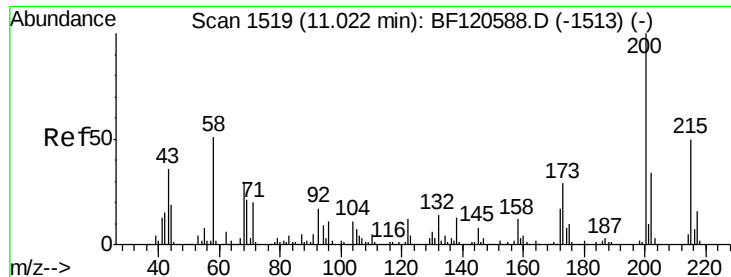
#68
 Hexachlorobenzene
 Concen: 8.267 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Tgt Ion:284 Resp: 52978
 Ion Ratio Lower Upper
 284 100
 142 31.3 25.1 37.7
 249 30.4 24.0 36.0



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

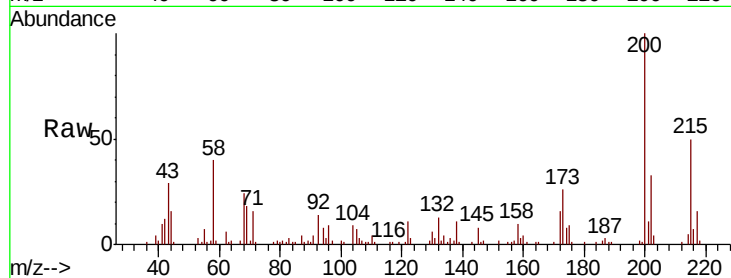




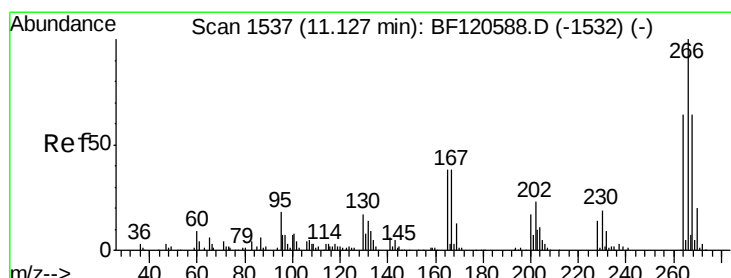
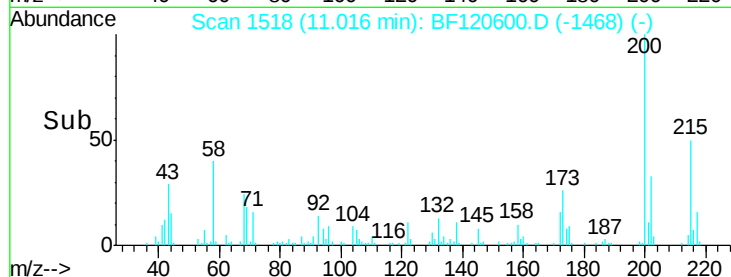
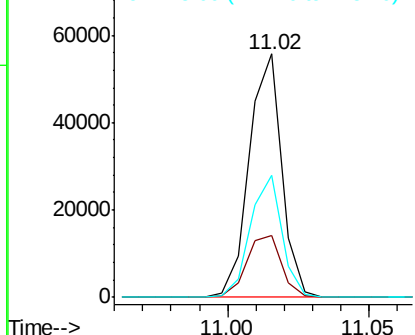
#69
Atrazine
Concen: 8.909 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

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

Tot Ion:200 Resp: 44461
Ion Ratio Lower Upper
200 100
173 25.7 9.1 49.1
215 50.0 29.8 69.8

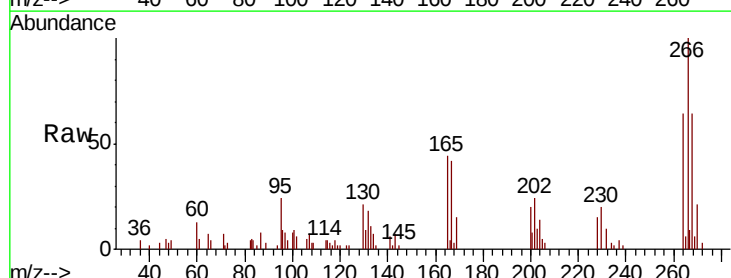


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

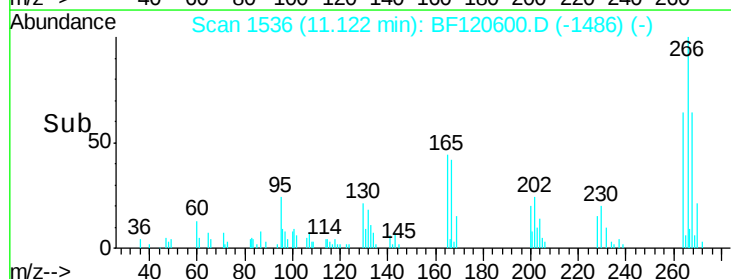
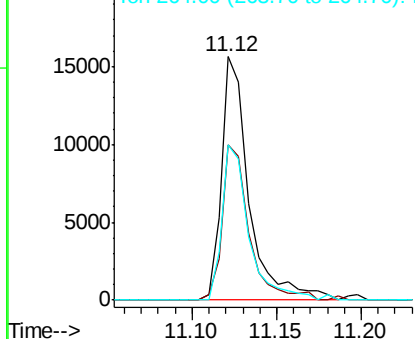


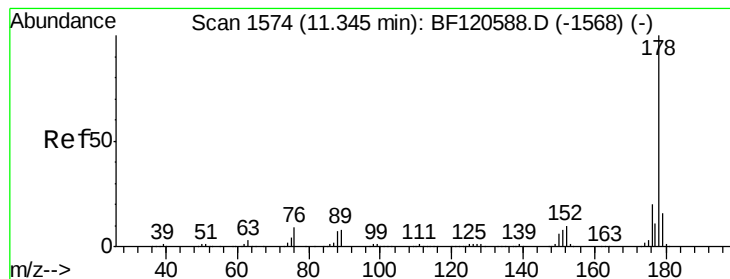
#70
Pentachlorophenol
Concen: 4.988 ng
RT: 11.12 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion:266 Resp: 17770
Ion Ratio Lower Upper
266 100
268 63.7 51.4 77.0
264 63.9 50.8 76.2



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





#71

Phenanthrene

Concen: 8.753 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

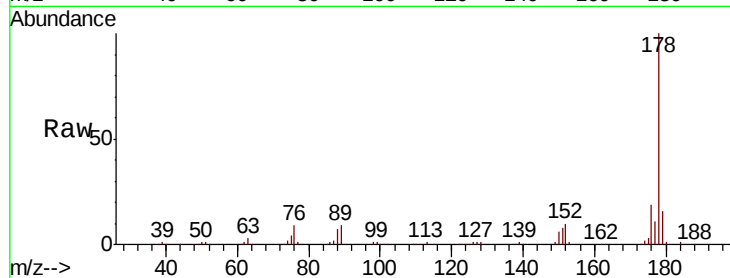
Tot Ion:178 Resp: 228508

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

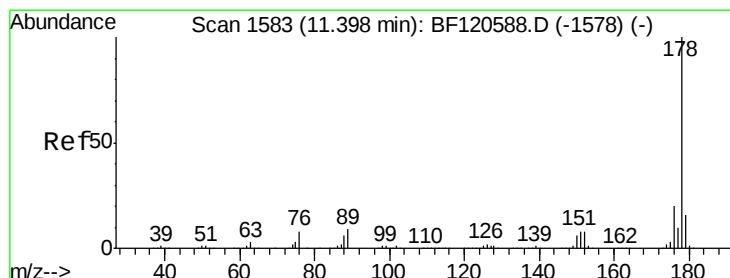
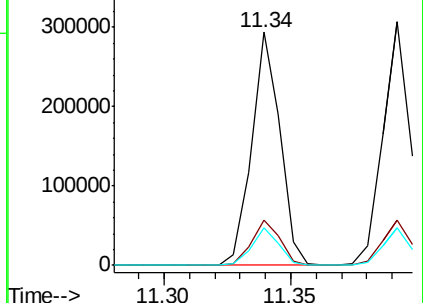
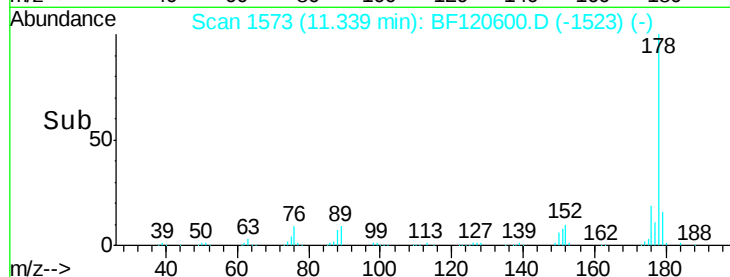
179 15.9 12.8 19.2



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: 8.843 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

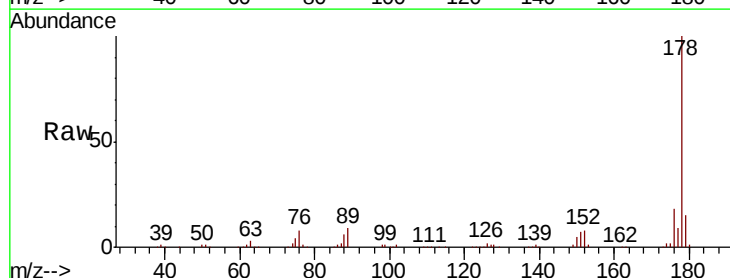
Tgt Ion:178 Resp: 232693

Ion Ratio Lower Upper

178 100

176 18.4 15.6 23.4

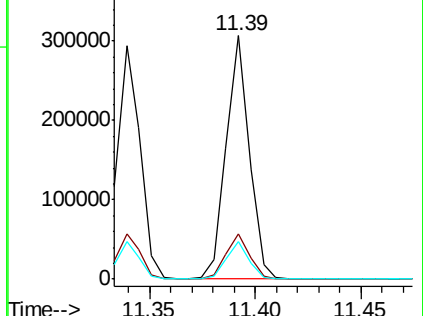
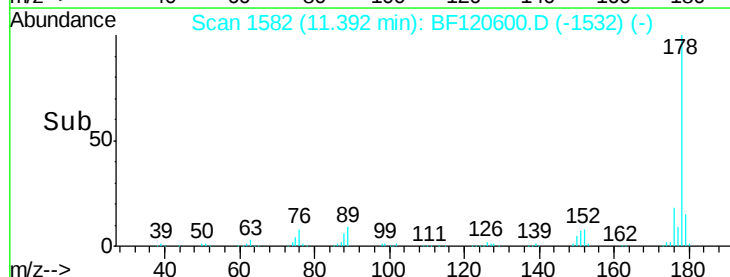
179 15.3 12.9 19.3

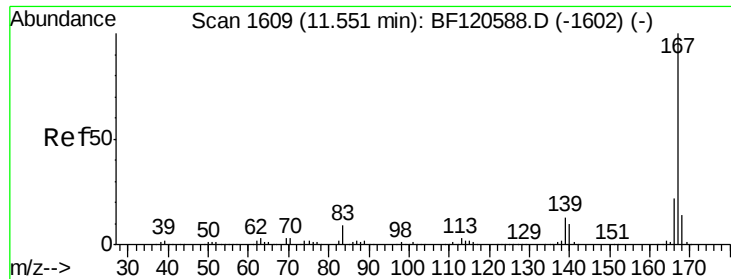


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

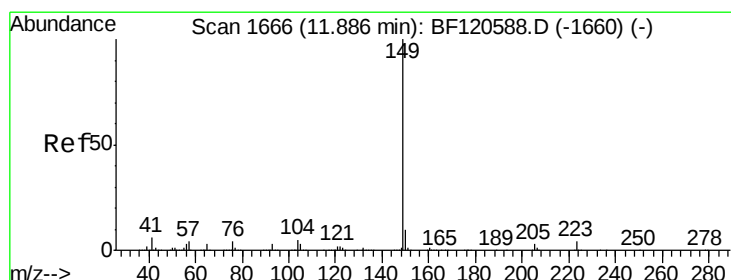
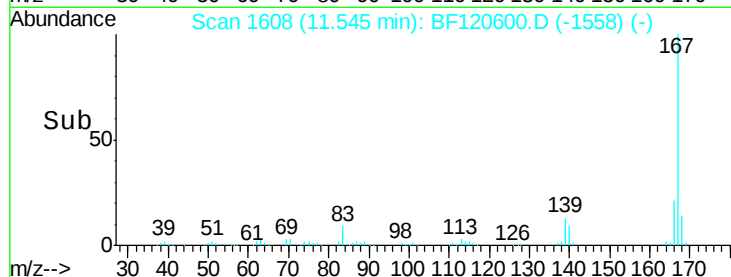
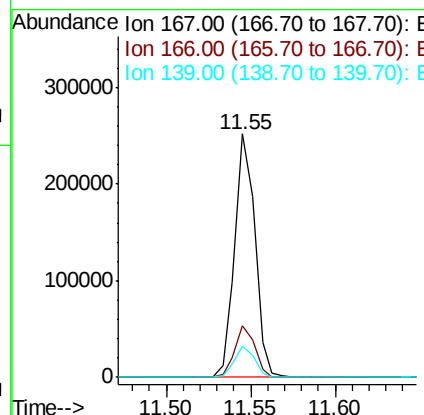
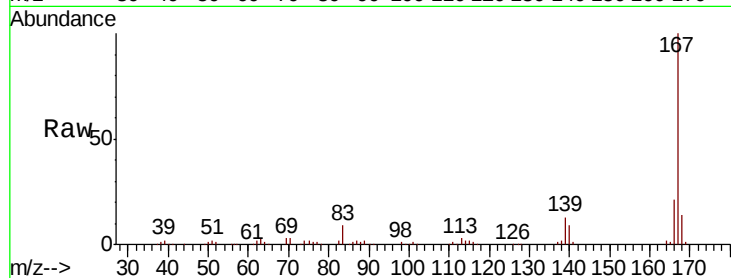




#73
 Carbazole
 Concen: 8.064 ng
 RT: 11.55 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

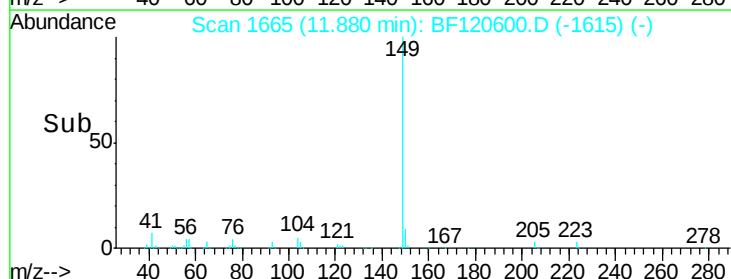
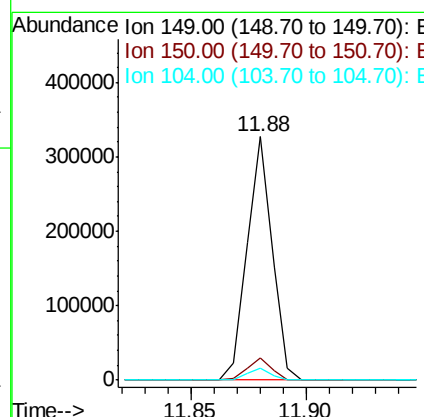
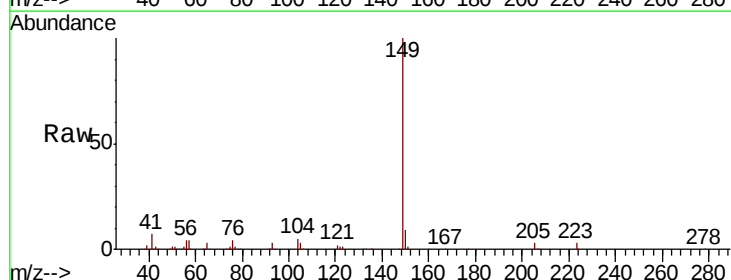
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

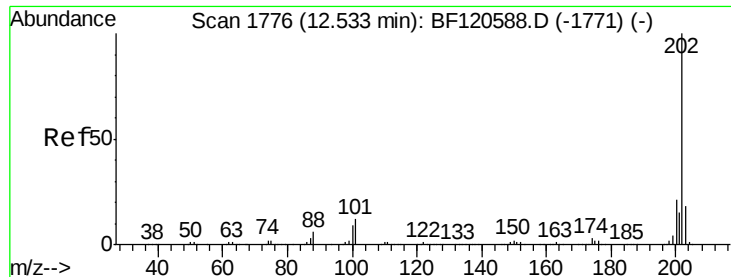
Tot Ion:167 Resp: 210051
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.2 25.8
 139 12.6 10.1 15.1



#74
 Di-n-butylphthalate
 Concen: 8.509 ng
 RT: 11.88 min Scan# 1665
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Tgt Ion:149 Resp: 249194
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.7 11.5
 104 4.7 3.7 5.5

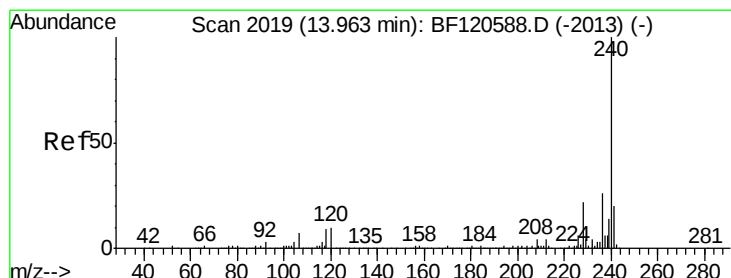
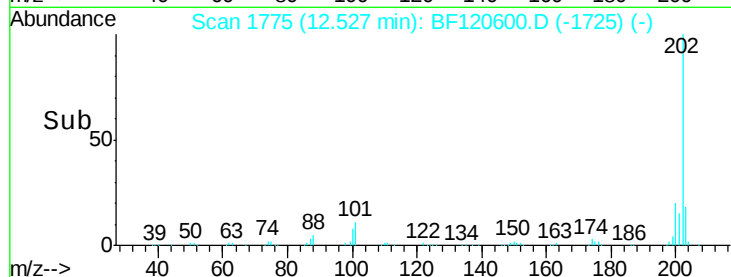
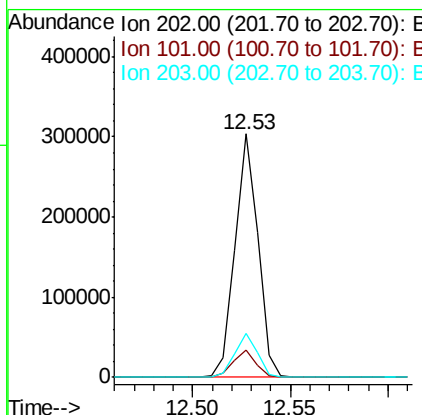
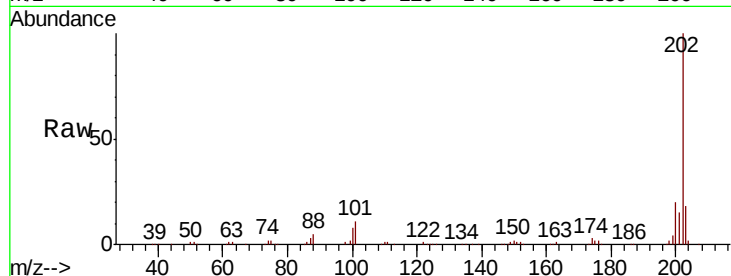




#75
 Fluoranthene
 Concen: 8.269 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

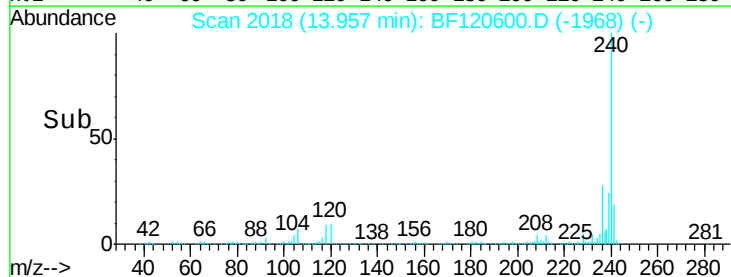
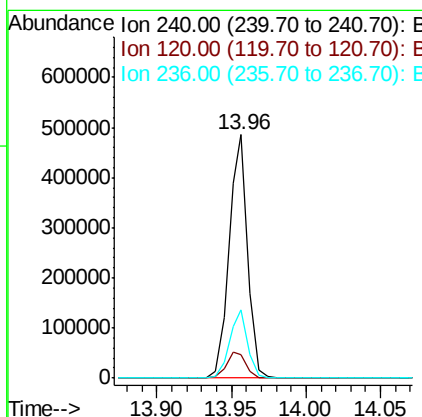
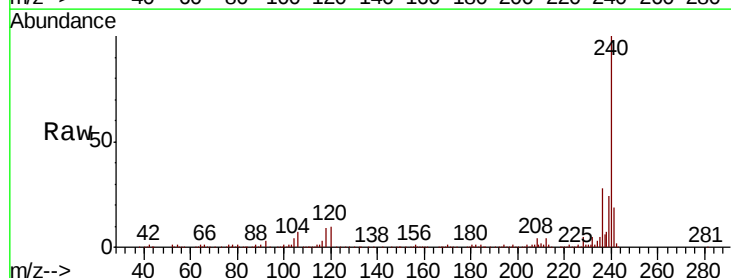
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

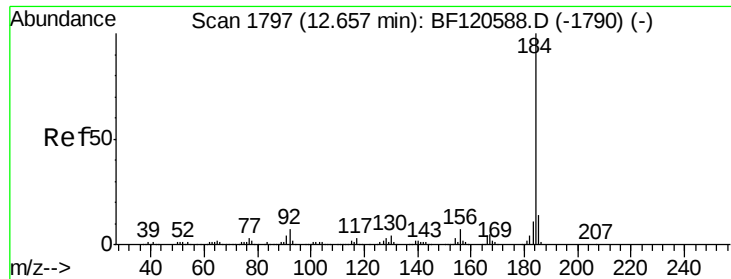
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.0
203	17.8	0.0	38.3



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.3	12.5
236	28.0	21.0	31.4





#77

Benzidine

Concen: 1.794 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.25 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

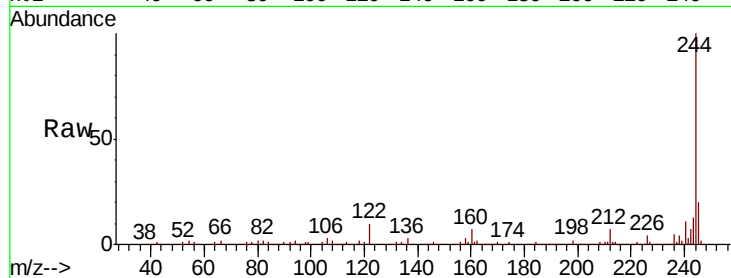
Tot Ion:184 Resp: 25731

Ion Ratio Lower Upper

184 100

185 16.2 11.4 17.0

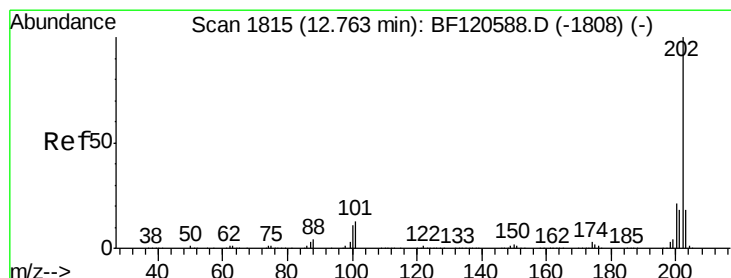
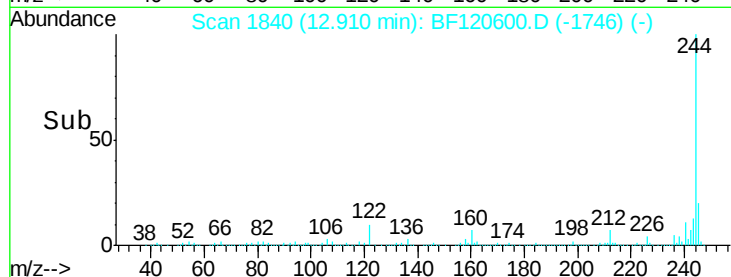
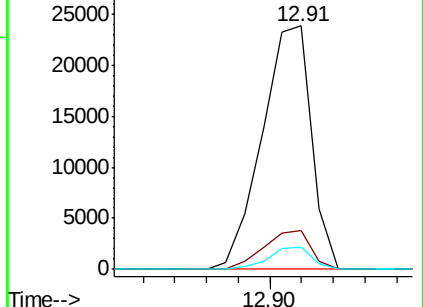
183 9.3 9.0 13.6



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: 8.653 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

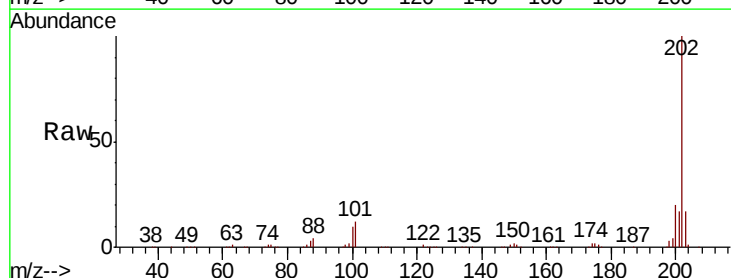
Tgt Ion:202 Resp: 260040

Ion Ratio Lower Upper

202 100

200 20.1 16.8 25.2

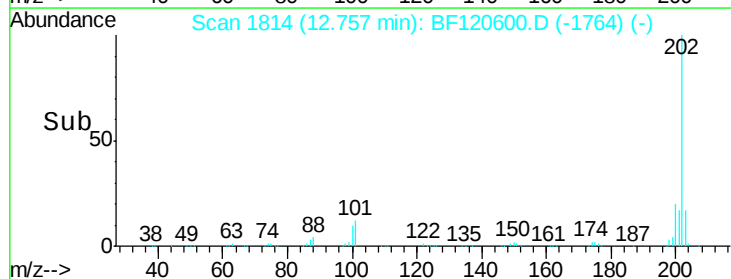
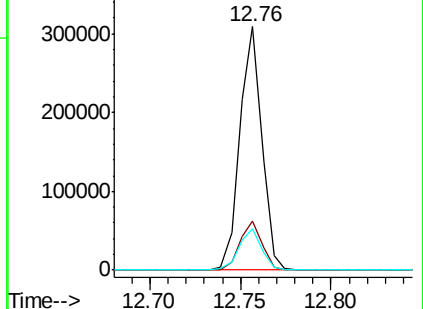
203 16.9 14.3 21.5

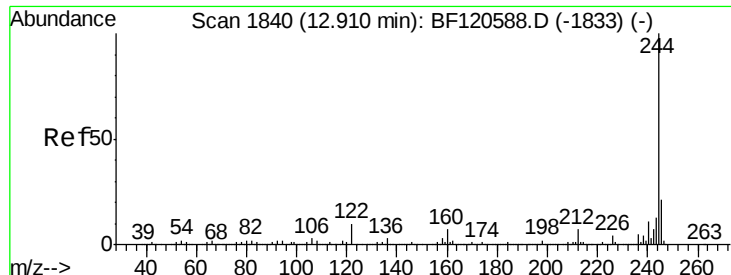


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 102.125 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

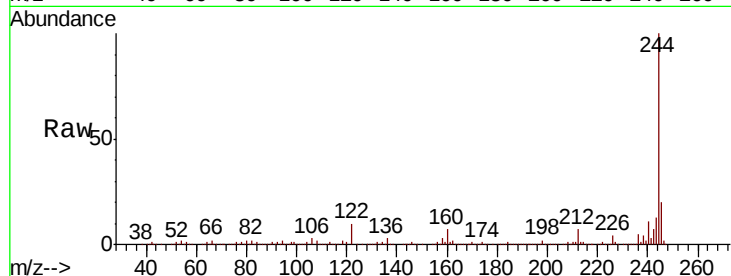
Tot Ion:244 Resp: 1961275

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

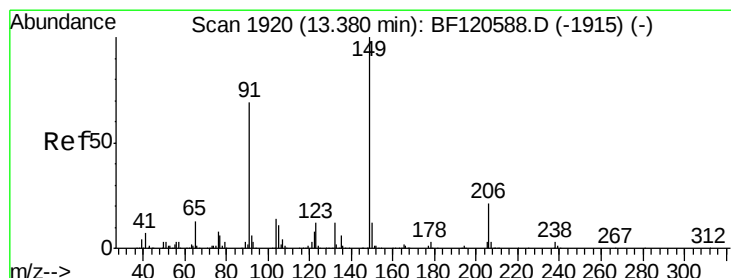
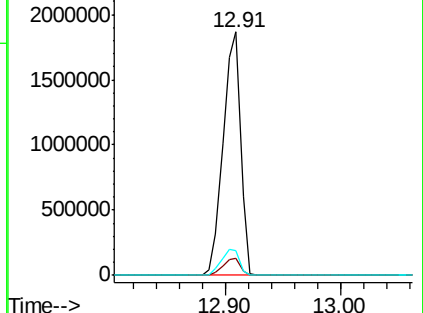
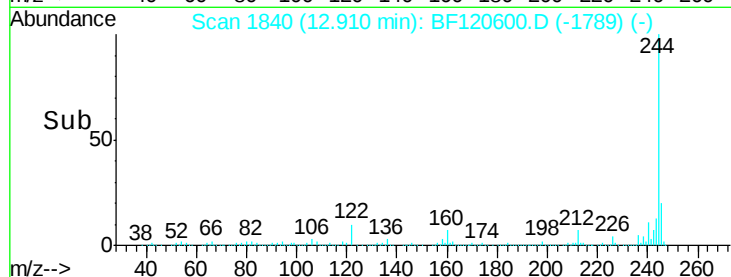
122 10.4 8.3 12.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 7.527 ng

RT: 13.38 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

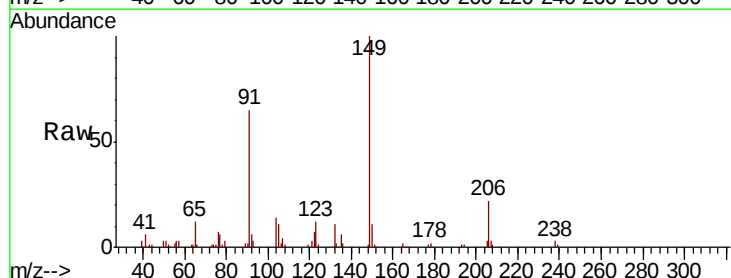
Tgt Ion:149 Resp: 100447

Ion Ratio Lower Upper

149 100

91 65.1 55.4 83.0

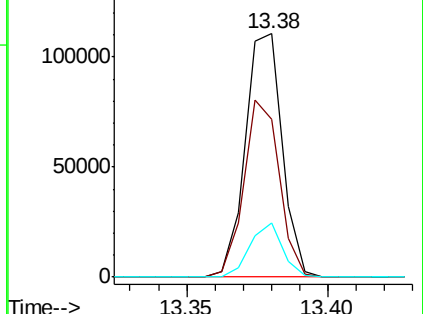
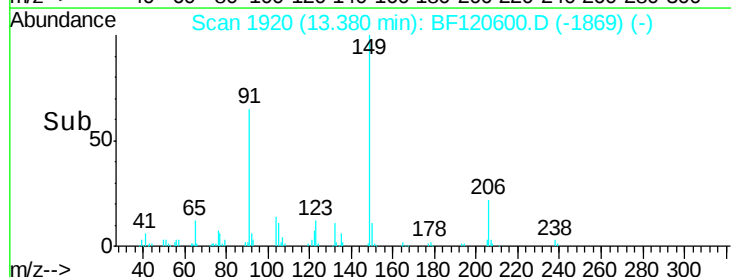
206 22.1 17.0 25.4

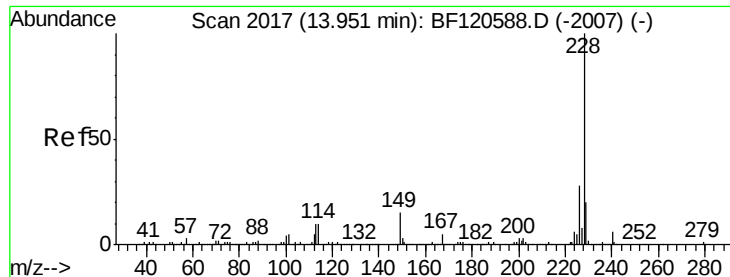


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 9.361 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

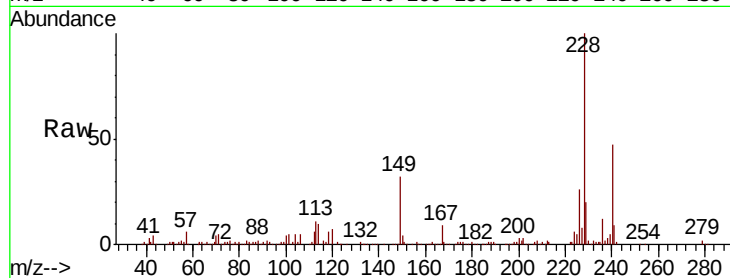
Tot Ion:228 Resp: 238583

Ion Ratio Lower Upper

228 100

226 26.4 22.5 33.7

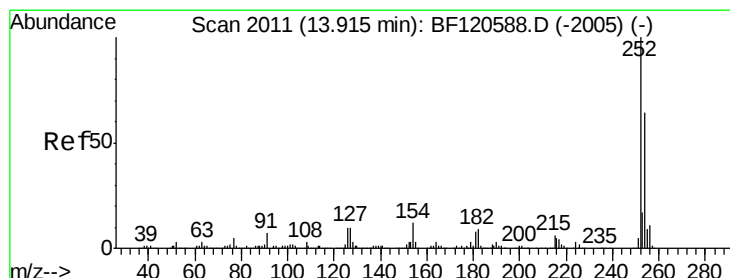
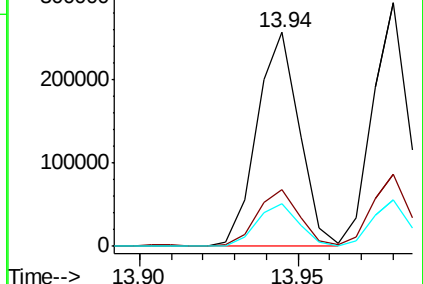
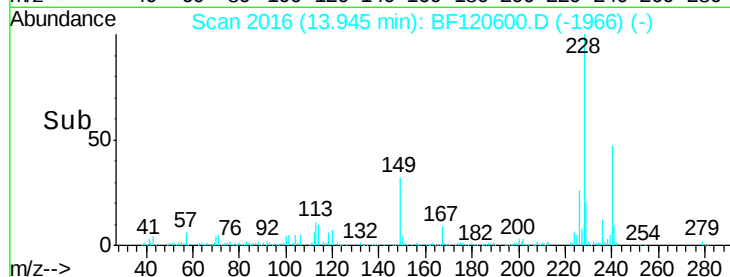
229 19.8 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 9.382 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

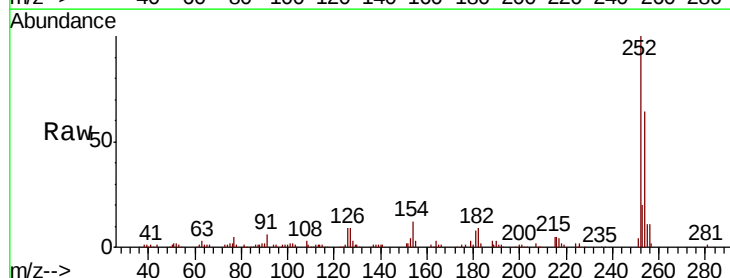
Tgt Ion:252 Resp: 91332

Ion Ratio Lower Upper

252 100

254 64.3 51.4 77.2

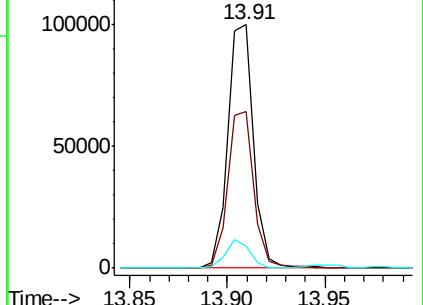
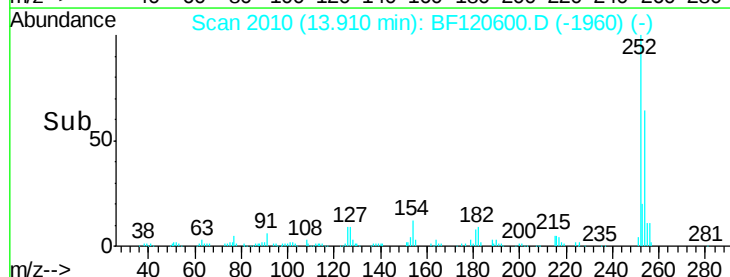
126 9.0 7.9 11.9

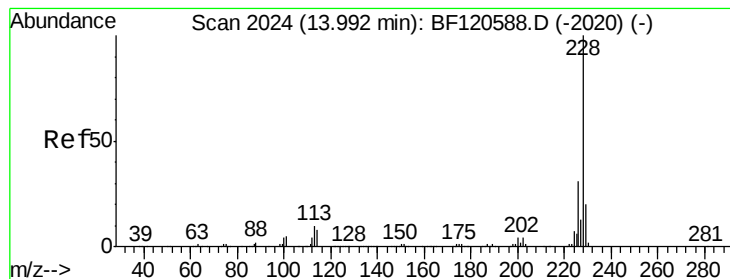


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrvsene

Concen: 8.815 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

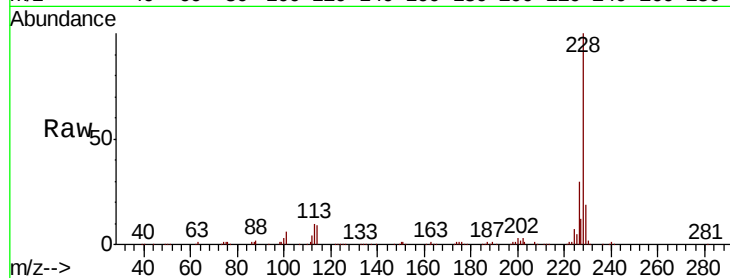
Tot Ion:228 Resp: 230432

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

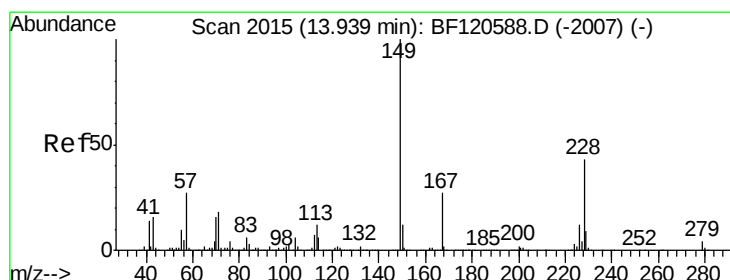
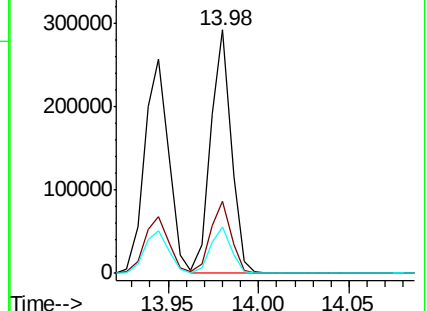
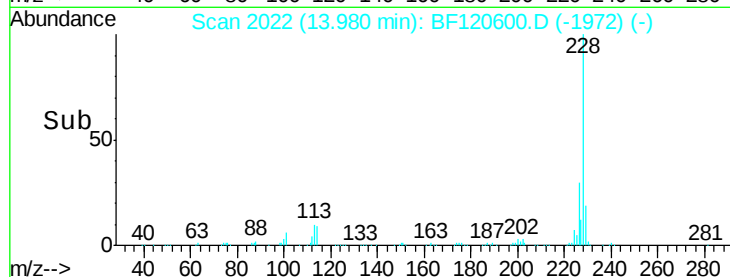
229 19.0 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.302 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF120600.D

Acq: 11 Jun 2020 14:01

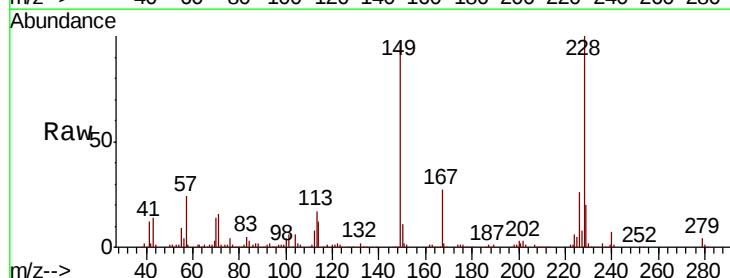
Tgt Ion:149 Resp: 151479

Ion Ratio Lower Upper

149 100

167 27.8 22.0 33.0

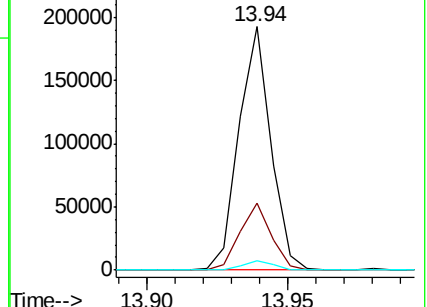
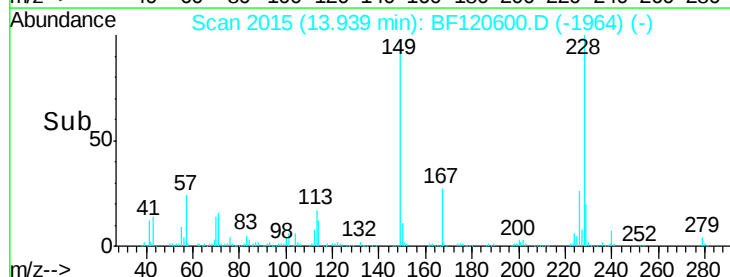
279 4.1 3.0 4.6

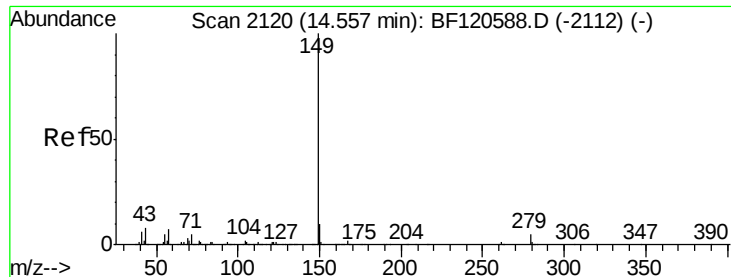


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

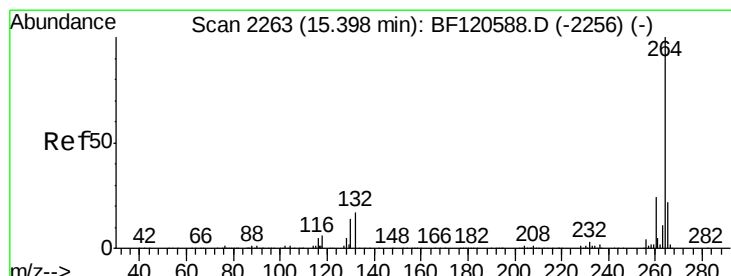
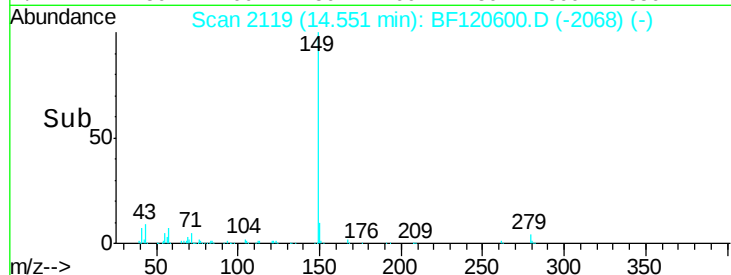
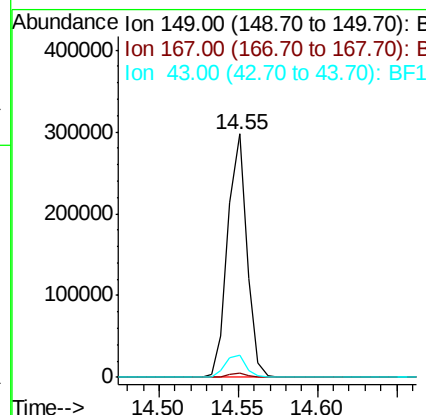
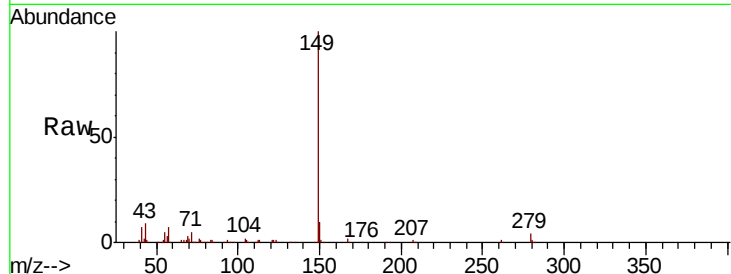




#85
Di-n-octyl phthalate
Concen: 8.054 ng
RT: 14.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

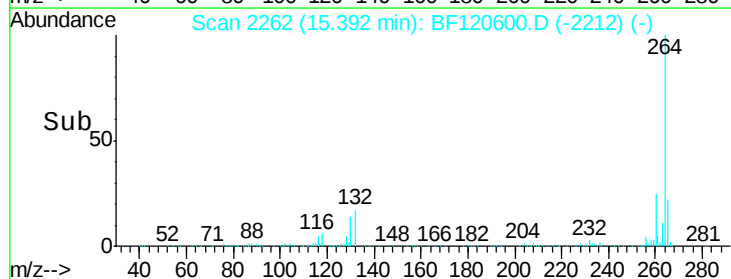
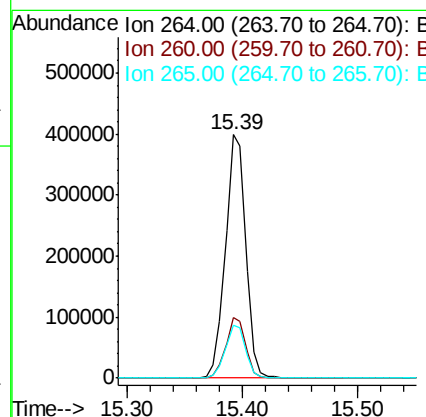
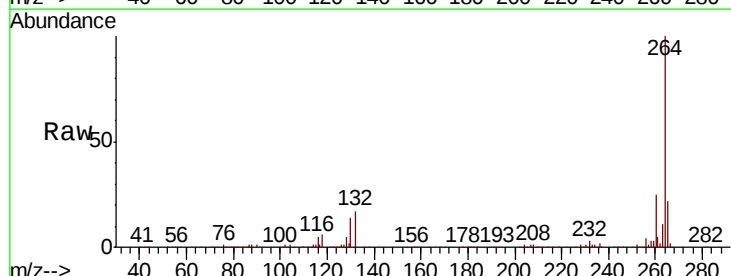
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

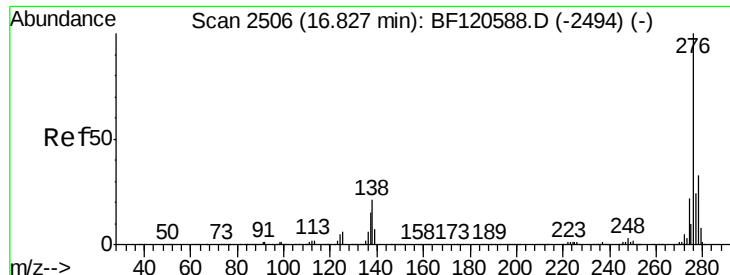
Tot Ion:149 Resp: 250311
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 10.2 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion:264 Resp: 485365
Ion Ratio Lower Upper
264 100
260 24.7 19.3 28.9
265 21.8 17.8 26.8

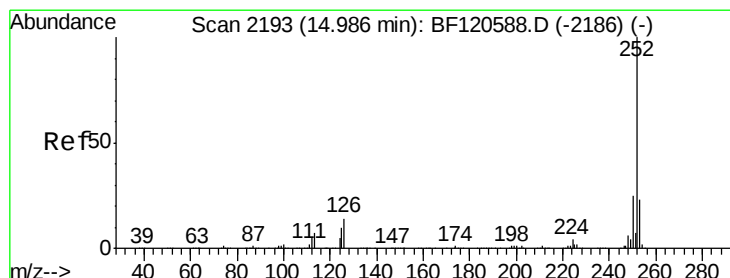
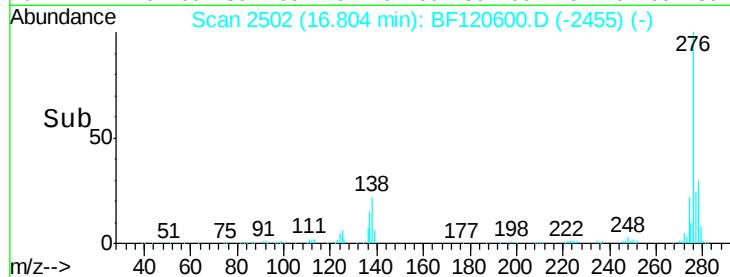
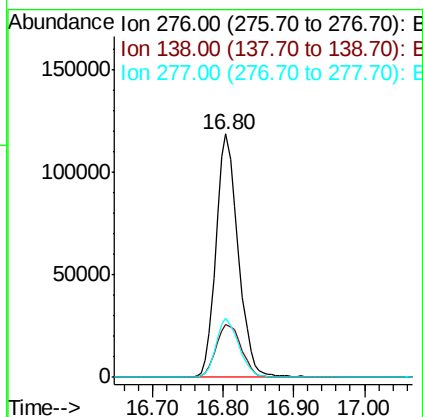
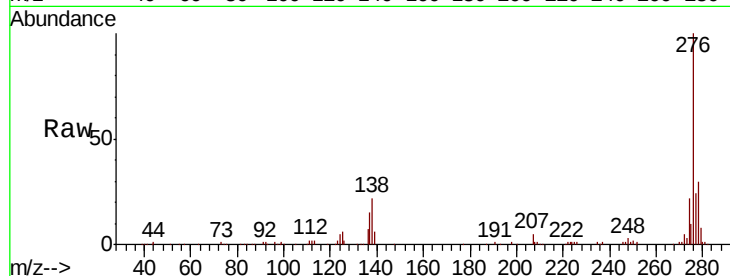




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.757 ng
 RT: 16.80 min Scan# 2502
 Delta R.T. -0.02 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

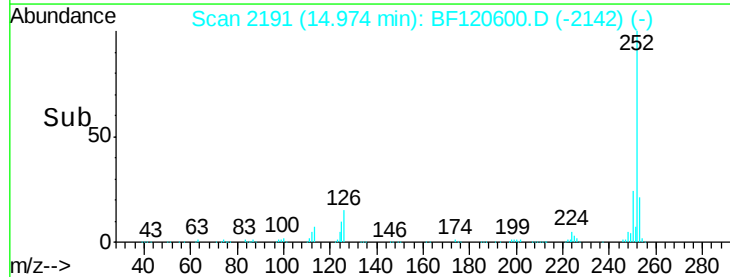
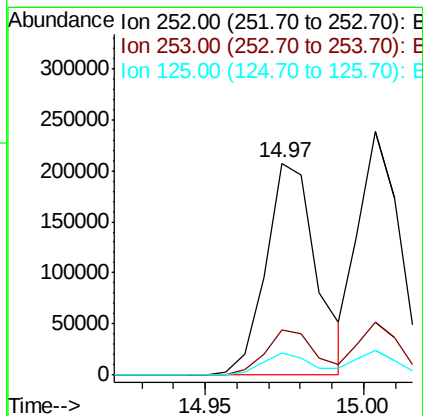
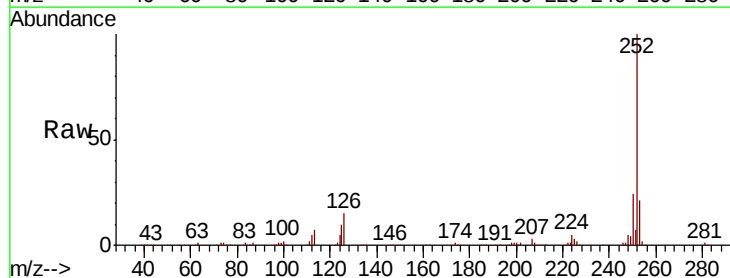
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

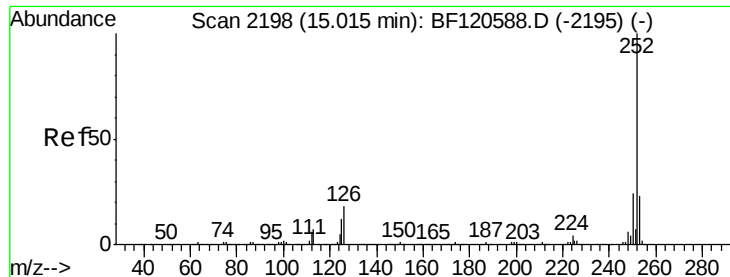
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.9	18.9	28.3
277	24.9	20.2	30.2



#88
 Benzo(b)fluoranthene
 Concen: 7.994 ng
 RT: 14.97 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BF120600.D
 Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	10.3	8.3	12.5

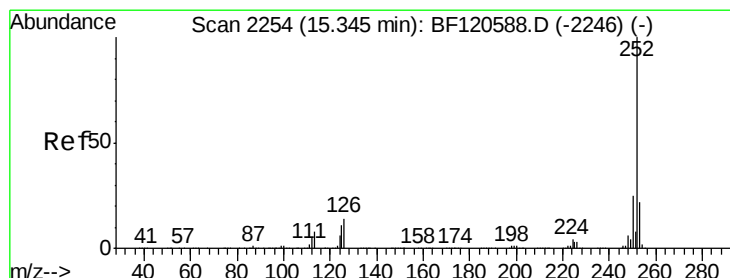
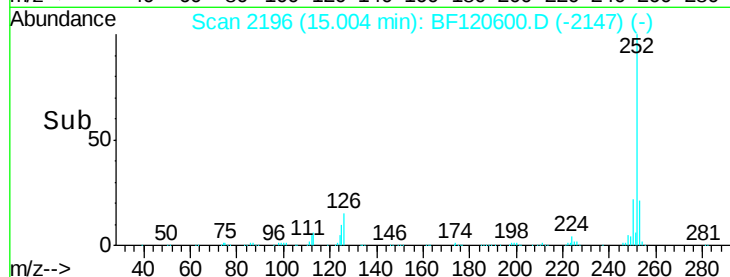
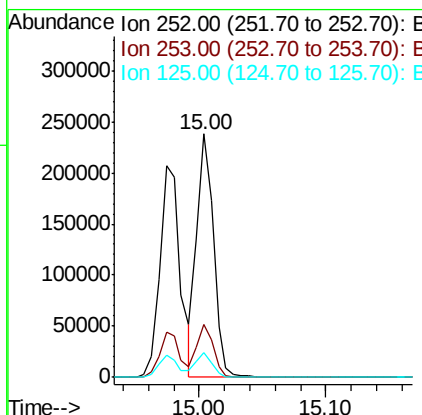
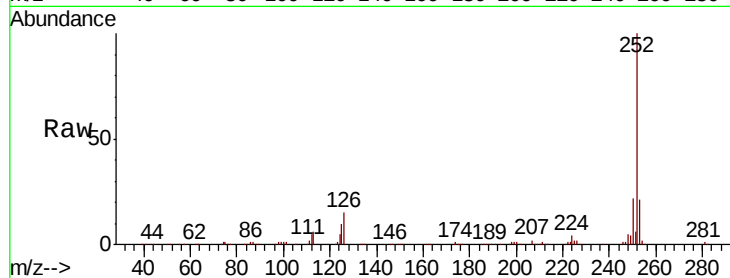




#89
Benzo(k)fluoranthene
Concen: 8.495 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

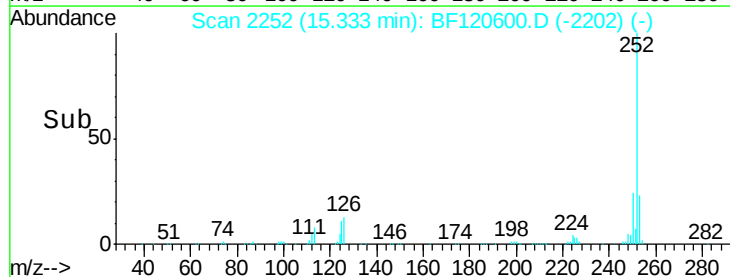
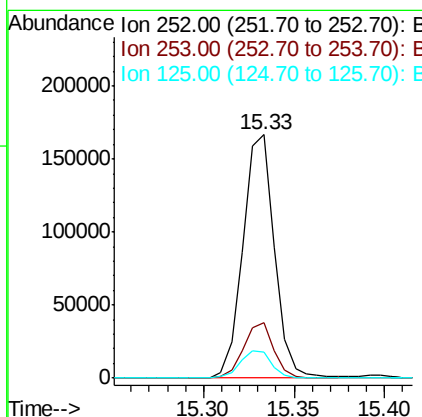
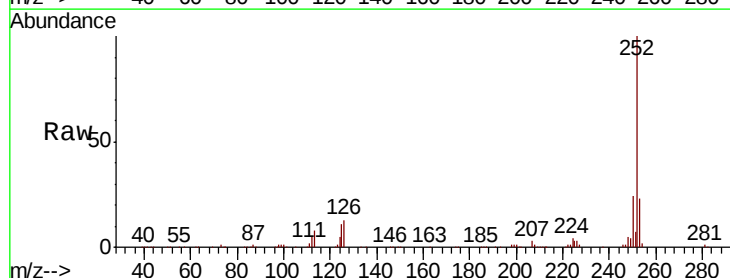
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

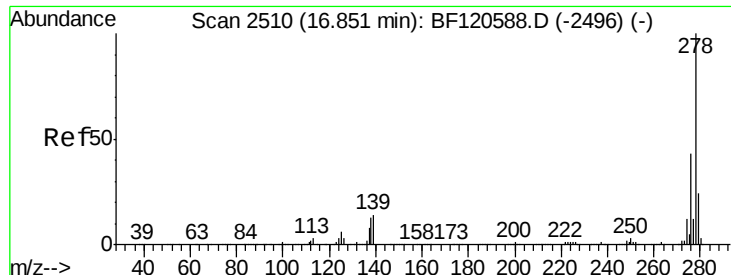
Tot Ion:252 Resp: 217326
Ion Ratio Lower Upper
252 100
253 21.5 18.0 27.0
125 10.1 8.3 12.5



#90
Benzo(a)pyrene
Concen: 7.779 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.01 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion:252 Resp: 201290
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 10.6 8.6 12.8

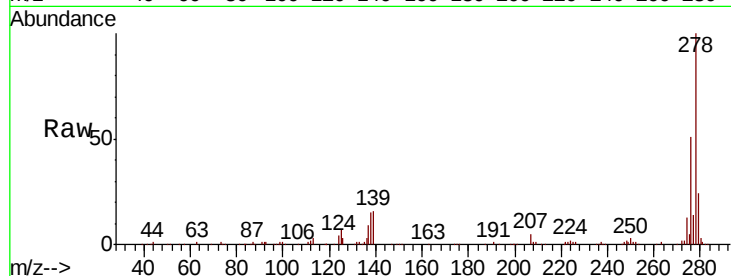




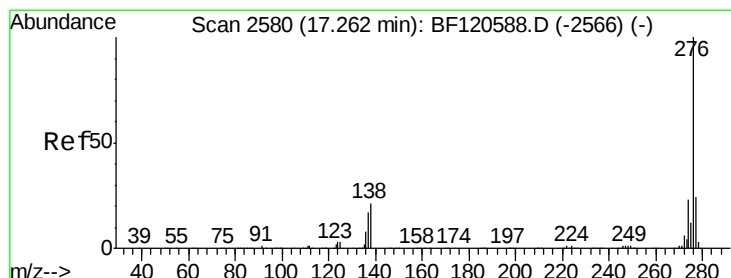
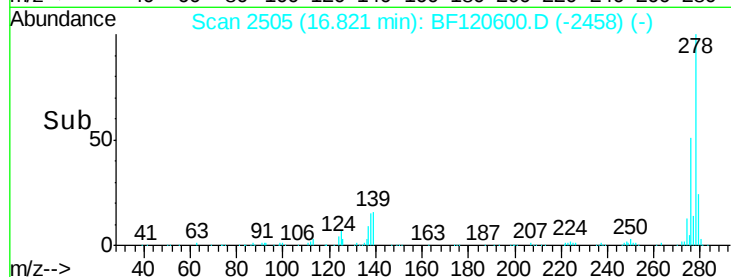
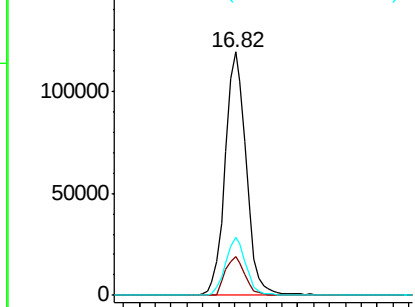
#91
Dibenzo(a,h)anthracene
Concen: 9.277 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.02 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.0	11.4	17.2
279	23.8	19.1	28.7

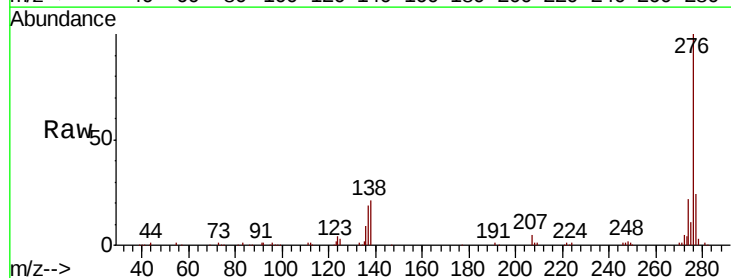


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 9.118 ng
RT: 17.23 min Scan# 2574
Delta R.T. -0.03 min
Lab File: BF120600.D
Acq: 11 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.6	29.4
138	21.1	16.5	24.7



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

