

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061520\
 Data File : BF120620.D
 Acq On : 15 Jun 2020 14:51
 Operator : JU/CG
 Sample : L2182-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Quant Time: Jun 15 15:25:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	160683	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	592418	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	311534	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	598492	20.00	ng	0.00
76) Chrysene-d12	13.95	240	489403	20.00	ng	-0.01
86) Perylene-d12	15.39	264	546454	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1342239	143.21	ng	0.00
7) Phenol-d6	6.43	99	1701014	145.72	ng	0.00
23) Nitrobenzene-d5	7.36	82	1077438	101.66	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	541308	149.45	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1939460	95.25	ng	0.00
79) Terphenyl-d14	12.90	244	2224590	100.41	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.48	88	33962	7.646	ng	99
3) Pyridine	3.28	79	68885	5.516	ng	96
4) n-Nitrosodimethylamine	3.15	42	37149	7.169	ng	93
6) Aniline	6.46	93	125843	8.424	ng	97
8) 2-Chlorophenol	6.58	128	82992	7.836	ng	93
9) Benzaldehyde	6.35	77	69563	9.422	ng	98
10) Phenol	6.45	94	107591	8.639	ng	93
11) bis(2-Chloroethyl)ether	6.53	93	81751	7.880	ng	97
12) 1,3-Dichlorobenzene	6.74	146	93137	8.272	ng	100
13) 1,4-Dichlorobenzene	6.82	146	94236	8.483	ng	99
14) 1,2-Dichlorobenzene	6.97	146	86847	8.025	ng	99
15) Benzyl Alcohol	6.93	79	76443	9.234	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.07	45	120103	8.041	ng	99
17) 2-Methylphenol	7.05	107	68838	7.621	ng	98
18) Hexachloroethane	7.31	117	33163	8.102	ng	96
19) n-Nitroso-di-n-propylamine	7.20	70	58412	8.627	ng	98
20) 3+4-Methylphenols	7.20	107	86700	7.681	ng	# 74
22) Acetophenone	7.20	105	123989	9.362	ng	95
24) Nitrobenzene	7.38	77	89867	8.103	ng	98
25) Isophorone	7.61	82	158924	7.698	ng	94
26) 2-Nitrophenol	7.69	139	41115	7.007	ng	98
27) 2,4-Dimethylphenol	7.73	122	58730	6.798	ng	98
28) bis(2-Chloroethoxy)methane	7.83	93	101724	8.500	ng	100
29) 2,4-Dichlorophenol	7.93	162	68276	7.775	ng	98
30) 1,2,4-Trichlorobenzene	8.02	180	78991	8.117	ng	98
31) Naphthalene	8.10	128	257874	8.865	ng	100
32) Benzoic acid	7.80	122	22859	3.449	ng	95
33) 4-Chloroaniline	8.15	127	103703	7.767	ng	98
34) Hexachlorobutadiene	8.22	225	46297	8.161	ng	99
35) Caprolactam	8.48	113	22320	7.947	ng	91
36) 4-Chloro-3-methylphenol	8.63	107	69788	7.954	ng	98
37) 2-Methylnaphthalene	8.79	142	170961	9.003	ng	99
38) 1-Methylnaphthalene	8.89	142	162423	9.090	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	81344	8.745	ng	99

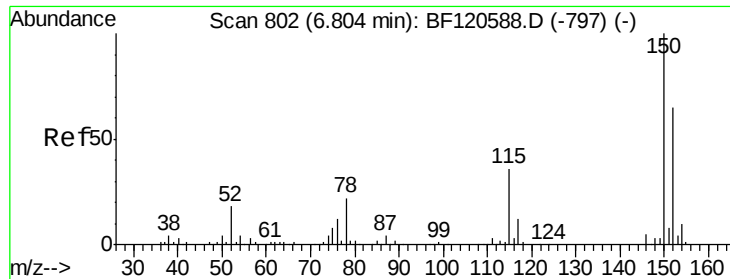
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061520\
 Data File : BF120620.D
 Acq On : 15 Jun 2020 14:51
 Operator : JU/CG
 Sample : L2182-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Quant Time: Jun 15 15:25:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	29168	5.596	ng	98
43) 2,4,6-Trichlorophenol	9.07	196	49153	7.449	ng	99
44) 2,4,5-Trichlorophenol	9.11	196	51212	6.841	ng	98
46) 1,1'-Biphenyl	9.25	154	221215	9.509	ng	97
47) 2-Chloronaphthalene	9.28	162	160753	8.451	ng	98
48) 2-Nitroaniline	9.37	65	43010	7.199	ng	96
49) Acenaphthylene	9.69	152	257743	8.779	ng	97
50) Dimethylphthalate	9.55	163	181197	8.076	ng	99
51) 2,6-Dinitrotoluene	9.61	165	39225	7.714	ng	98
52) Acenaphthene	9.86	154	157706	9.007	ng	99
53) 3-Nitroaniline	9.78	138	42372	6.938	ng	93
54) 2,4-Dinitrophenol	9.89	184	10822	3.970	ng	# 87
55) Dibenzofuran	10.03	168	238742	8.893	ng	99
56) 4-Nitrophenol	9.94	139	28557	6.208	ng	98
57) 2,4-Dinitrotoluene	10.02	165	49556	7.345	ng	97
58) Fluorene	10.37	166	180782	8.735	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.15	232	44727	7.594	ng	98
60) Diethylphthalate	10.25	149	182531	8.260	ng	99
61) 4-Chlorophenyl-phenylether	10.37	204	90891	8.504	ng	97
62) 4-Nitroaniline	10.39	138	42338	6.983	ng	98
63) Azobenzene	10.53	77	174972	8.723	ng	98
65) 4,6-Dinitro-2-methylphenol	10.42	198	19904	5.542	ng	99
66) n-Nitrosodiphenylamine	10.49	169	159209	8.662	ng	99
67) 4-Bromophenyl-phenylether	10.86	248	55002	8.098	ng	96
68) Hexachlorobenzene	10.93	284	62086	8.502	ng	# 90
69) Atrazine	11.01	200	52208	9.180	ng	98
70) Pentachlorophenol	11.12	266	21918	5.398	ng	95
71) Phenanthrene	11.34	178	264002	8.874	ng	99
72) Anthracene	11.39	178	271016	9.037	ng	98
73) Carbazole	11.55	167	246227	8.295	ng	99
74) Di-n-butylphthalate	11.87	149	291383	8.731	ng	99
75) Fluoranthene	12.52	202	291650	8.574	ng	98
77) Benzidine	12.64	184	141211	8.532	ng	# 95
78) Pyrene	12.75	202	300561	8.669	ng	98
80) Butylbenzylphthalate	13.37	149	117504	7.633	ng	95
81) Benzo(a)anthracene	13.94	228	271928	9.248	ng	98
82) 3,3'-Dichlorobenzidine	13.90	252	107024	9.529	ng	100
83) Chrysene	13.97	228	268661	8.908	ng	97
84) Bis(2-ethylhexyl)phthalate	13.93	149	170274	9.063	ng	100
85) Di-n-octyl phthalate	14.54	149	290386	8.098	ng	99
87) Indeno(1,2,3-cd)pyrene	16.79	276	294230	8.852	ng	99
88) Benzo(b)fluoranthene	14.97	252	274408	8.430	ng	99
89) Benzo(k)fluoranthene	15.00	252	246281	8.550	ng	99
90) Benzo(a)pyrene	15.32	252	232705	7.988	ng	99
91) Dibenzo(a,h)anthracene	16.81	278	248675	9.329	ng	99
92) Benzo(g,h,i)perylene	17.22	276	250227	9.313	ng	99

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

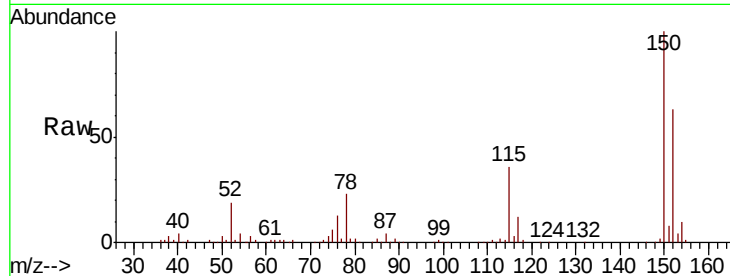


#1

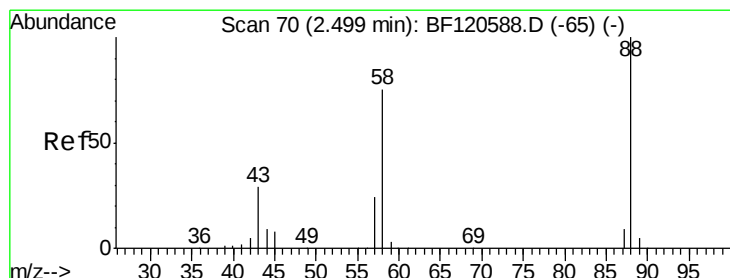
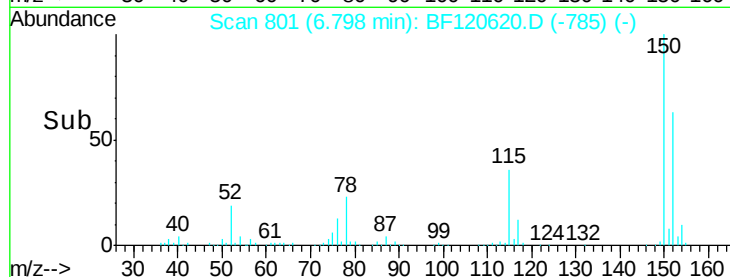
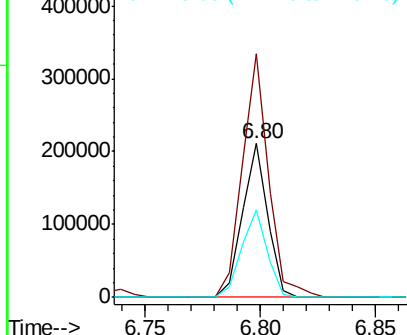
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:152 Resp: 160683
Ion Ratio Lower Upper
152 100
150 158.4 123.2 184.8
115 57.2 43.9 65.9



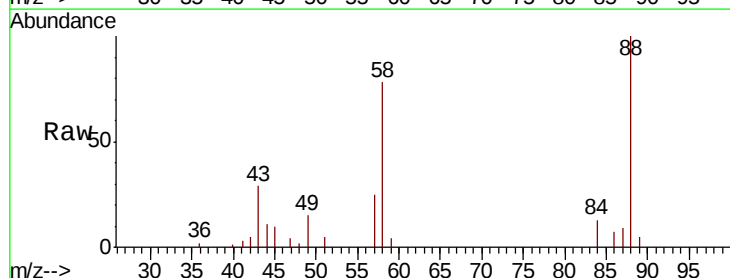
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



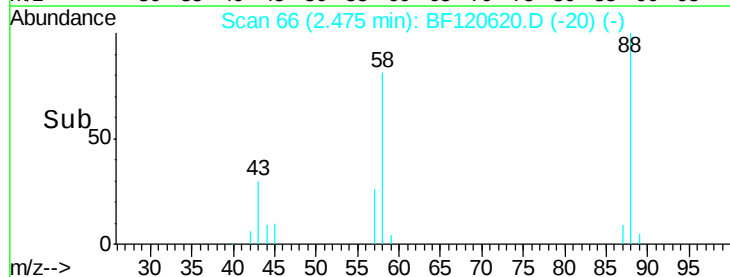
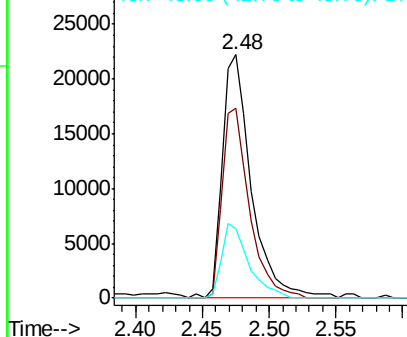
#2

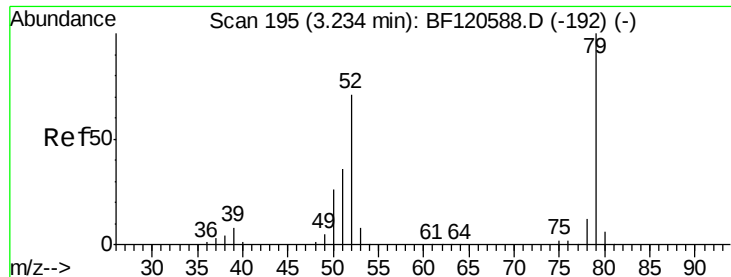
1,4-Dioxane
Concen: 7.646 ng
RT: 2.48 min Scan# 66
Delta R.T. -0.03 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion: 88 Resp: 33962
Ion Ratio Lower Upper
88 100
58 73.4 59.6 89.4
43 28.3 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

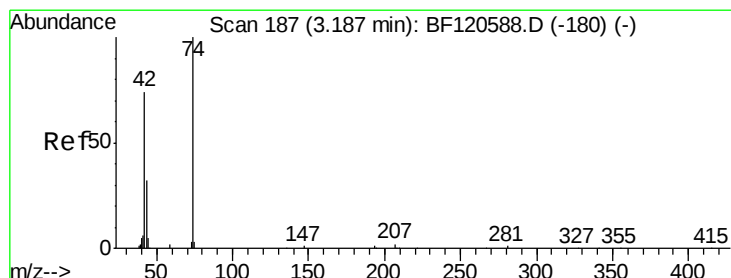
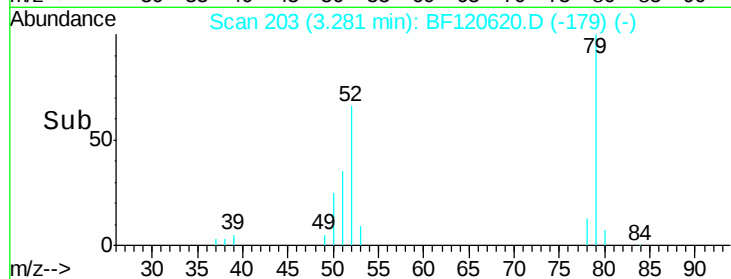
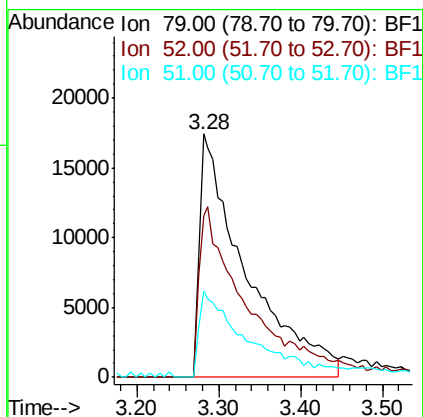
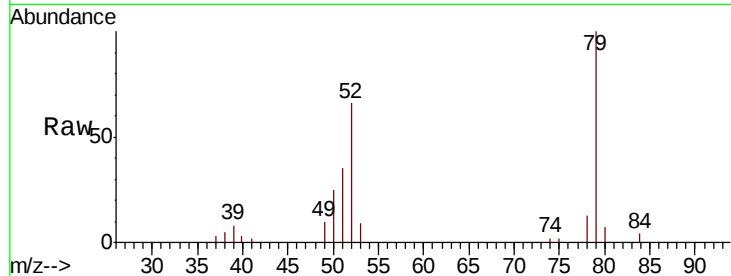




#3
 Pvridine
 Concen: 5.516 ng
 RT: 3.28 min Scan# 203
 Delta R.T. 0.04 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

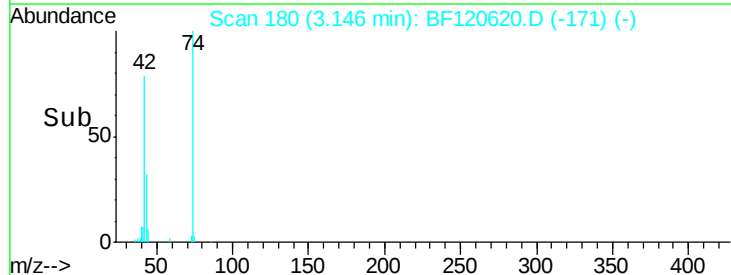
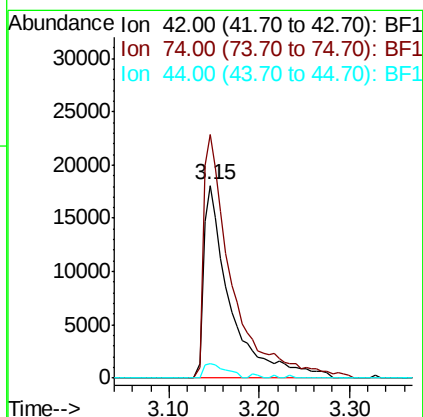
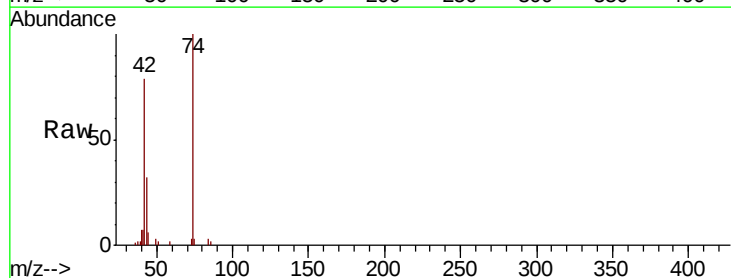
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

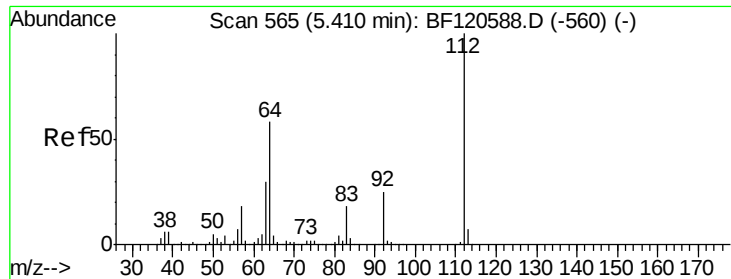
Tot Ion: 79 Resp: 68885
 Ion Ratio Lower Upper
 79 100
 52 66.2 57.0 85.6
 51 35.3 28.5 42.7



#4
 n-Nitrosodimethylamine
 Concen: 7.169 ng
 RT: 3.15 min Scan# 180
 Delta R.T. -0.05 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Tgt Ion: 42 Resp: 37149
 Ion Ratio Lower Upper
 42 100
 74 126.5 107.8 161.6
 44 7.6 5.1 7.7

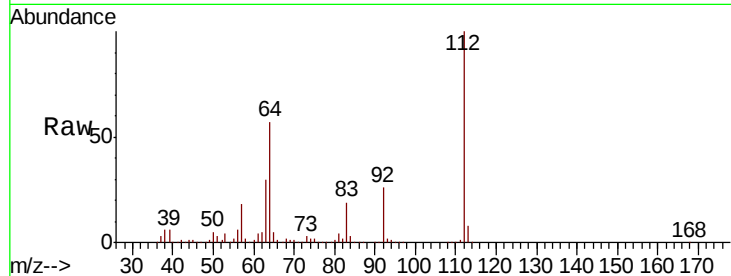




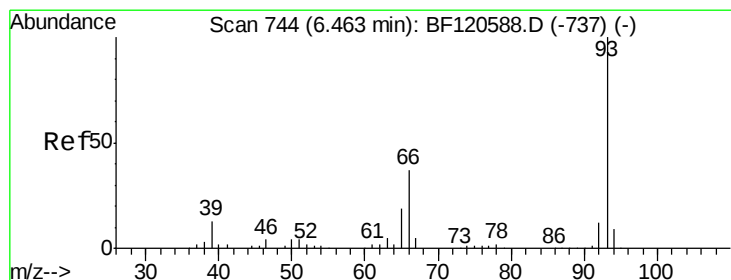
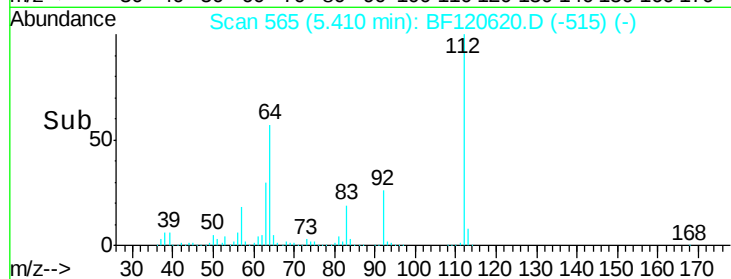
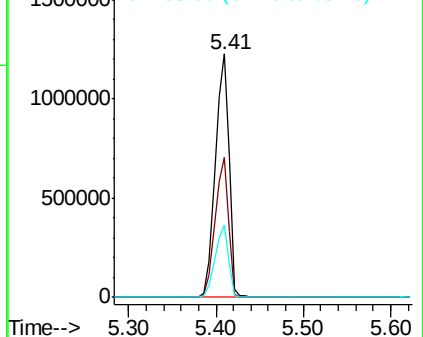
#5
2-Fluorophenol
Concen: 143.214 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:112 Resp: 1342239
Ion Ratio Lower Upper
112 100
64 57.3 46.1 69.1
63 29.5 23.7 35.5

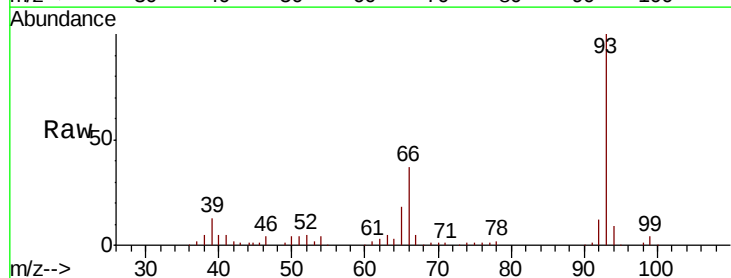


Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1

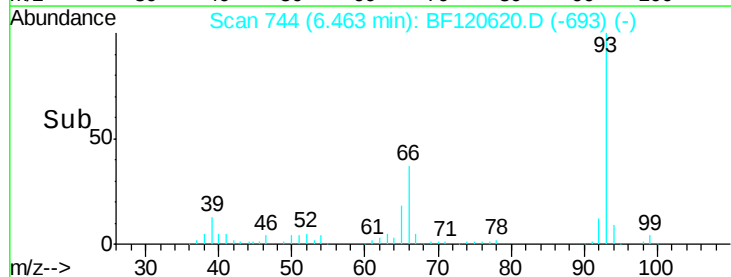
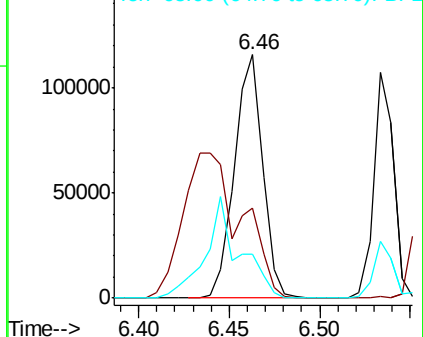


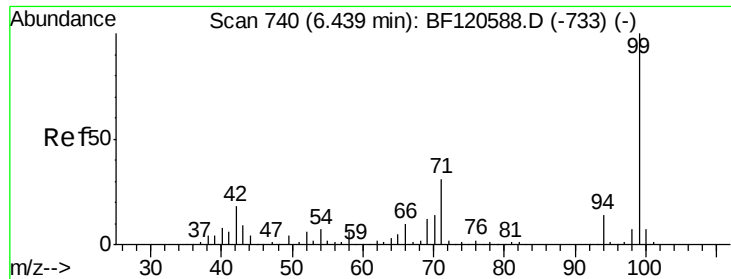
#6
Aniline
Concen: 8.424 ng
RT: 6.46 min Scan# 744
Delta R.T. 0.00 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion: 93 Resp: 125843
Ion Ratio Lower Upper
93 100
66 37.1 30.9 46.3
65 18.3 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: 145.721 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

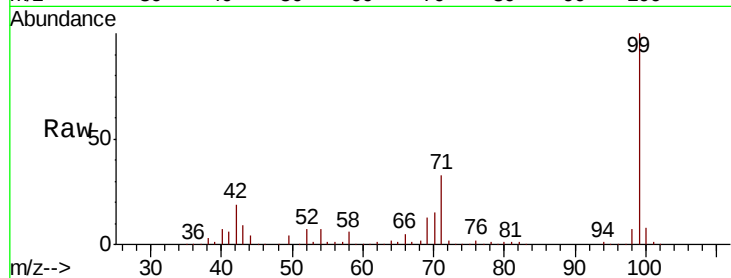
Tot Ion: 99 Resp: 1701014

Ion Ratio Lower Upper

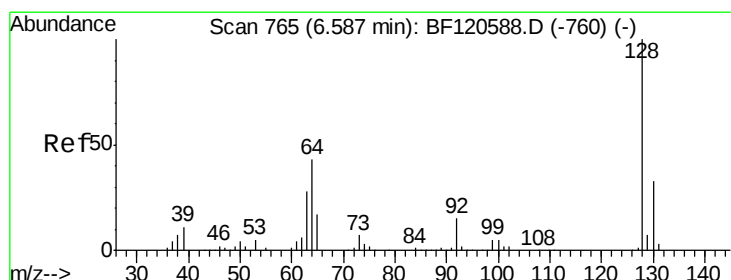
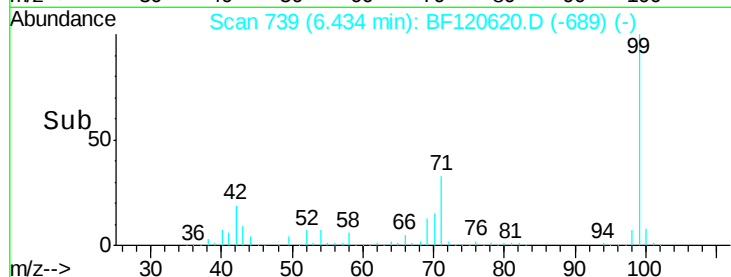
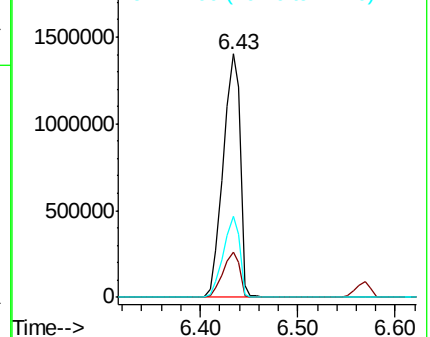
99 100

42 18.7 14.0 21.0

71 33.3 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: 7.836 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

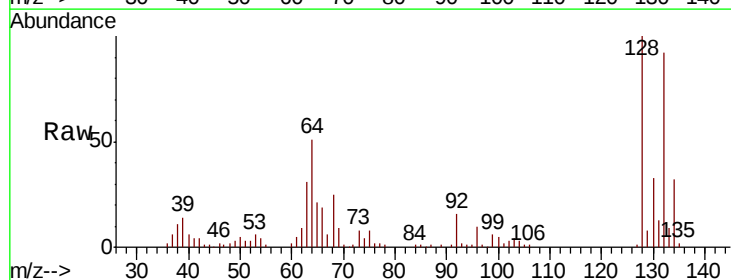
Tgt Ion:128 Resp: 82992

Ion Ratio Lower Upper

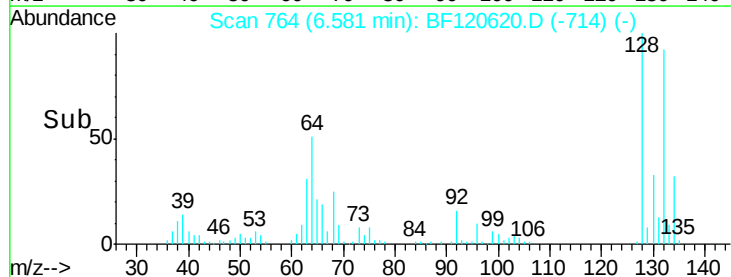
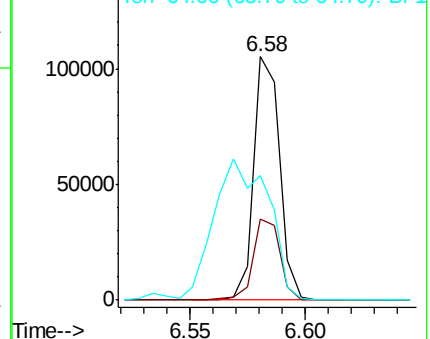
128 100

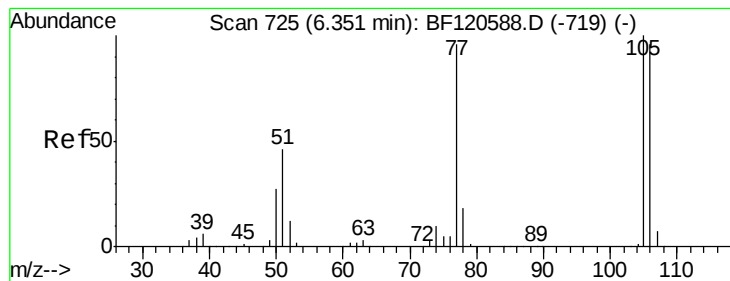
130 33.3 12.6 52.6

64 51.3 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: 9.422 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

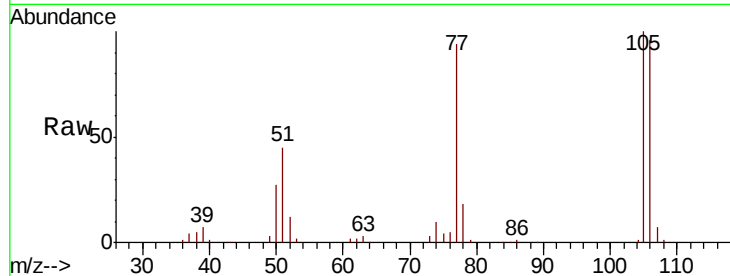
Tot Ion: 77 Resp: 69563

Ion Ratio Lower Upper

77 100

105 105.8 83.8 123.8

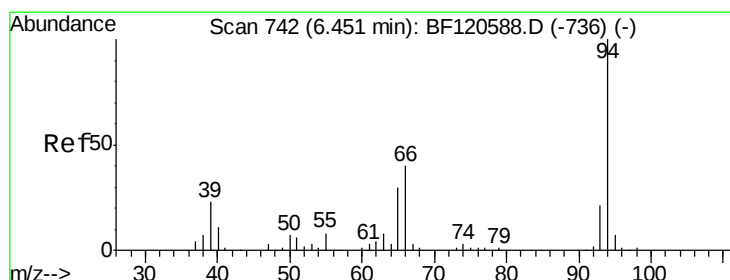
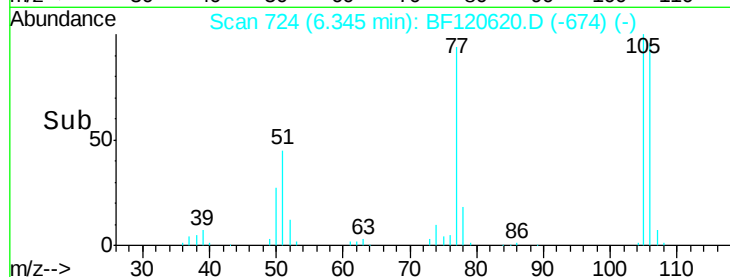
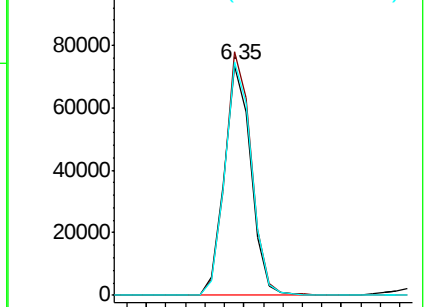
106 101.5 79.3 119.3



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: 8.639 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

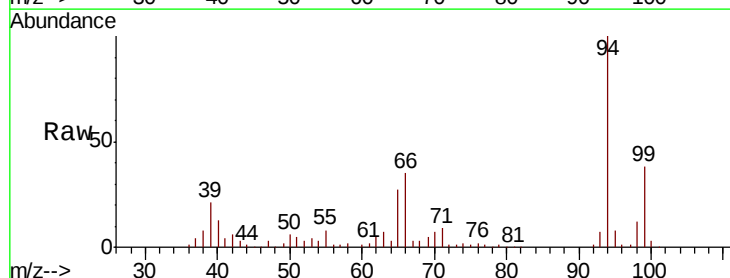
Tgt Ion: 94 Resp: 107591

Ion Ratio Lower Upper

94 100

65 26.6 9.9 49.9

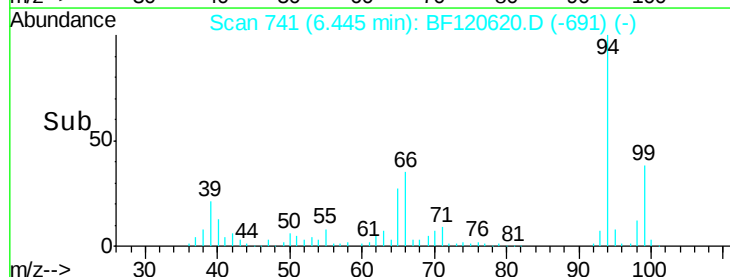
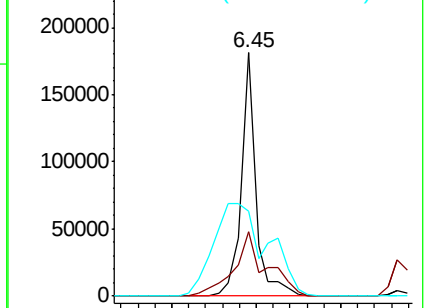
66 35.0 20.1 60.1

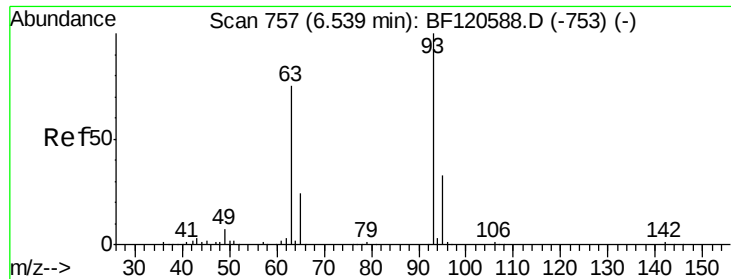


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 7.880 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

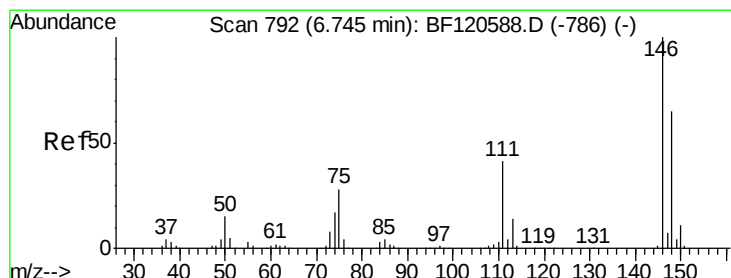
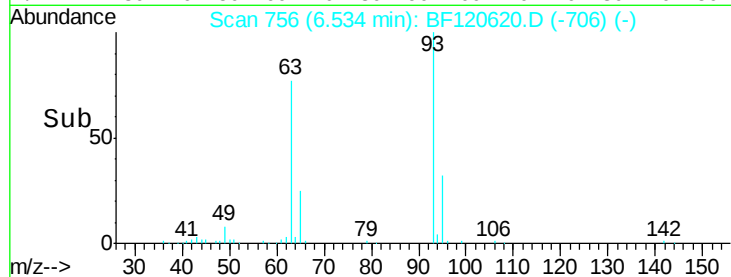
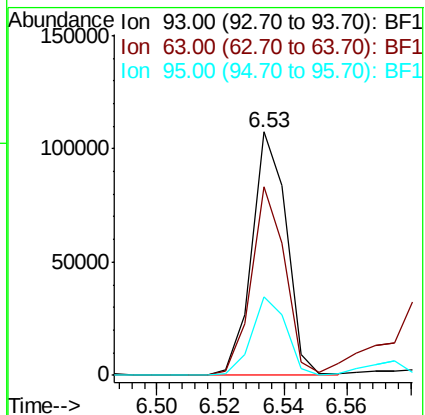
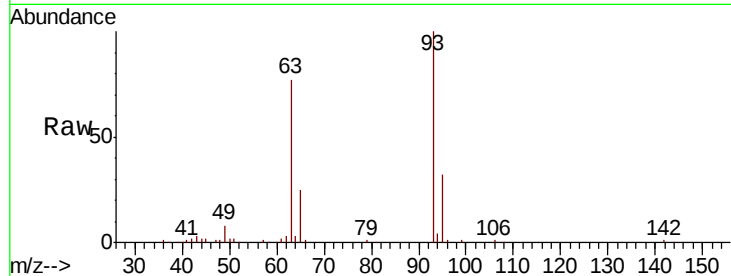
Tot Ion: 93 Resp: 81751

Ion Ratio Lower Upper

93 100

63 77.3 54.4 94.4

95 32.0 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 8.272 ng

RT: 6.74 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

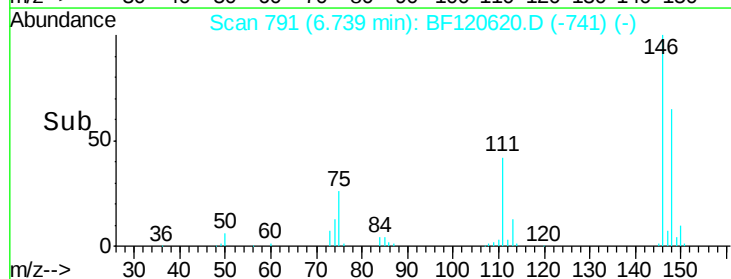
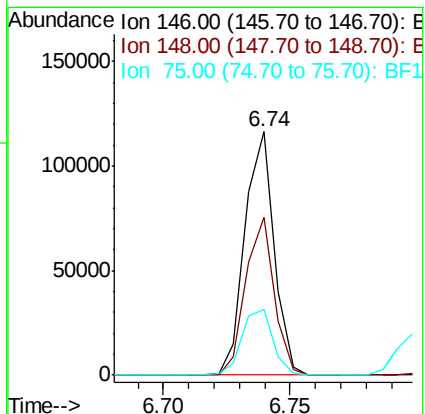
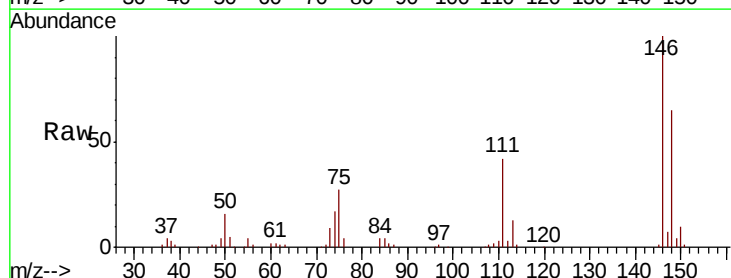
Tgt Ion: 146 Resp: 93137

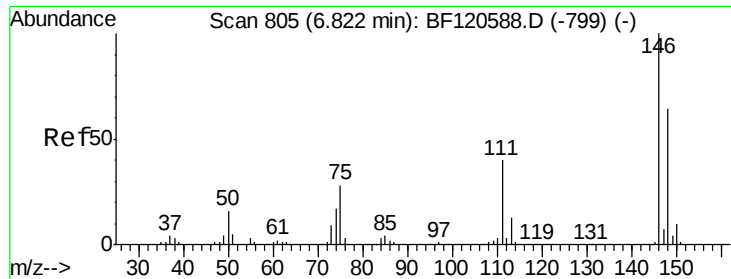
Ion Ratio Lower Upper

146 100

148 64.8 51.8 77.6

75 27.2 22.2 33.4

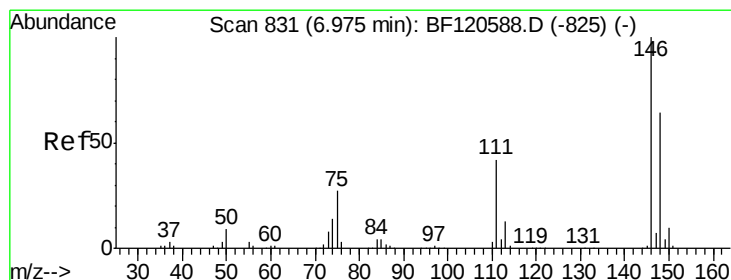
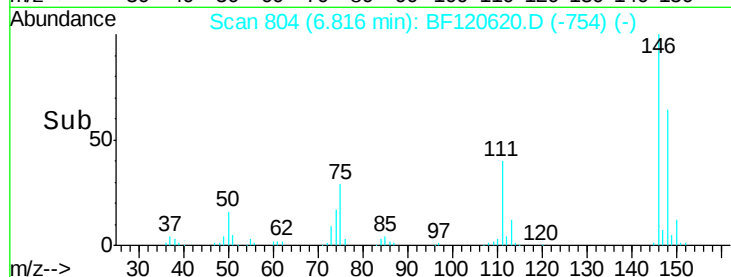
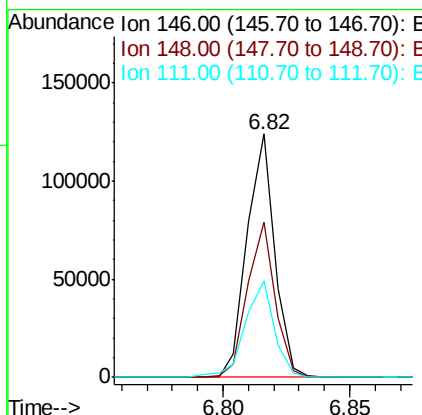
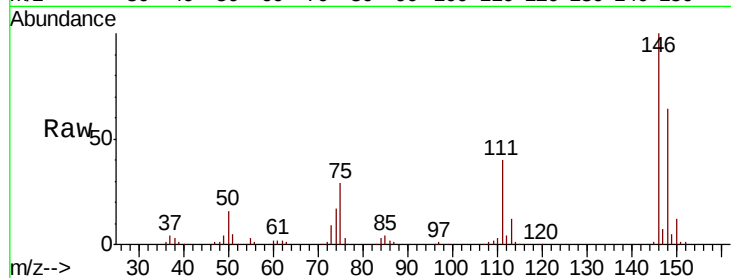




#13
 1,4-Dichlorobenzene
 Concen: 8.483 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

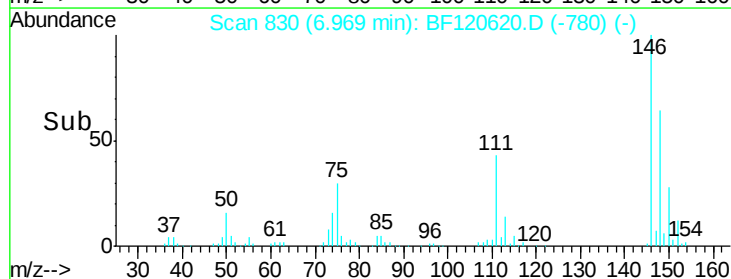
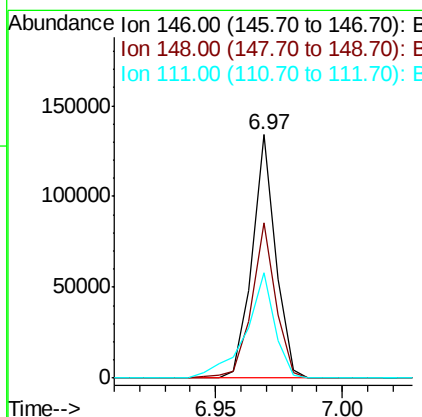
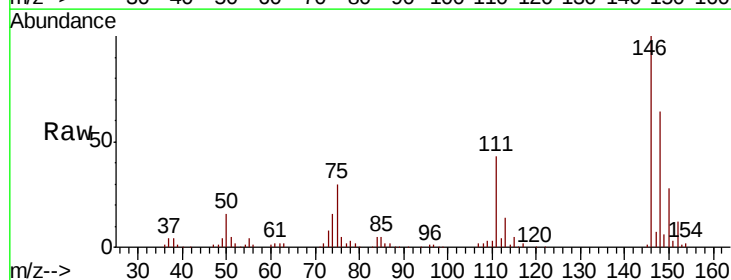
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

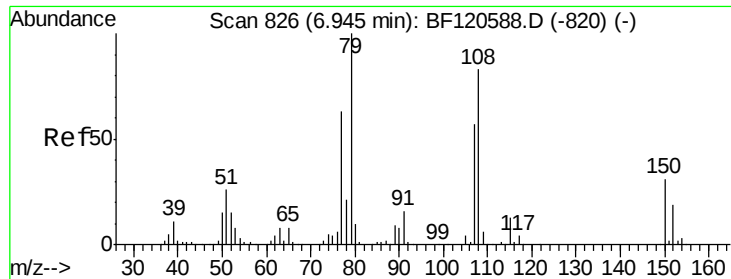
Tot Ion:146 Resp: 94236
 Ion Ratio Lower Upper
 146 100
 148 63.7 51.5 77.3
 111 39.8 32.2 48.4



#14
 1,2-Dichlorobenzene
 Concen: 8.025 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Tgt Ion:146 Resp: 86847
 Ion Ratio Lower Upper
 146 100
 148 64.0 50.8 76.2
 111 43.2 33.6 50.4





#15

Benzyl Alcohol

Concen: 9.234 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

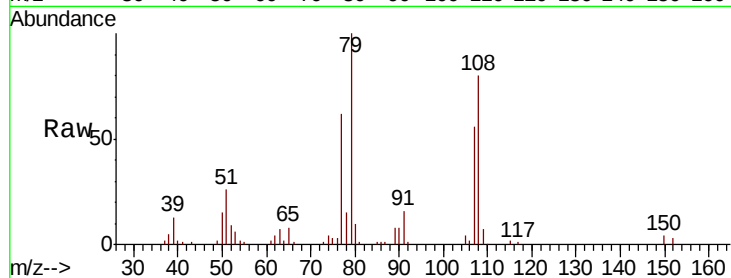
Tot Ion: 79 Resp: 76443

Ion Ratio Lower Upper

79 100

108 80.4 66.8 100.2

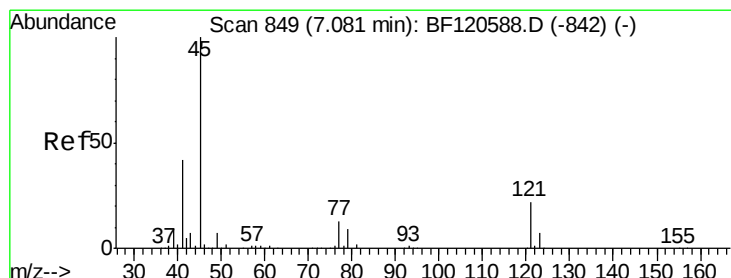
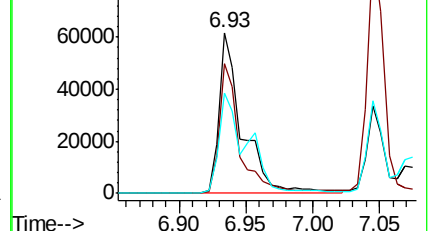
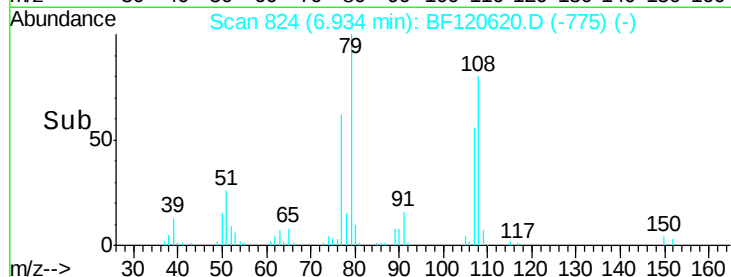
77 62.2 50.6 76.0



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 8.041 ng

RT: 7.07 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

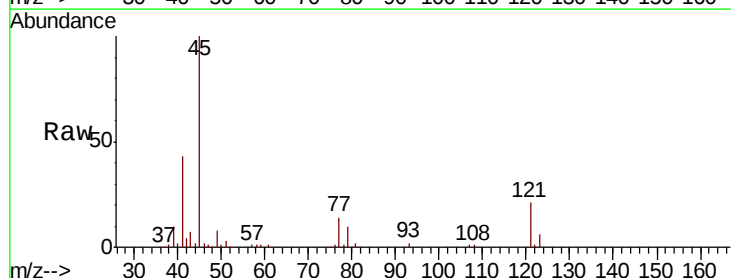
Tgt Ion: 45 Resp: 120103

Ion Ratio Lower Upper

45 100

77 14.1 0.0 34.2

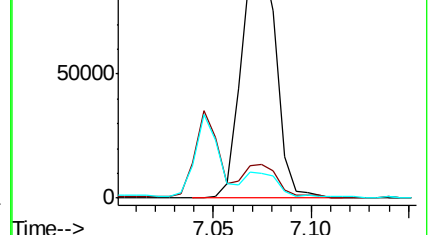
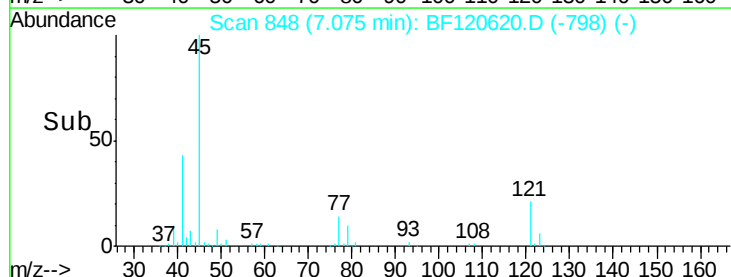
79 10.1 0.0 30.9

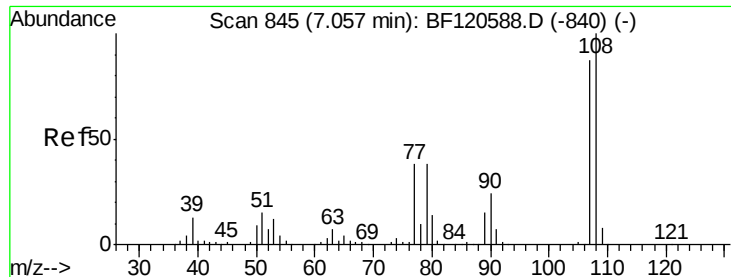


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

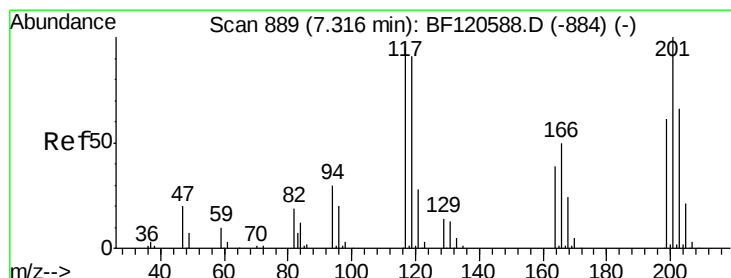
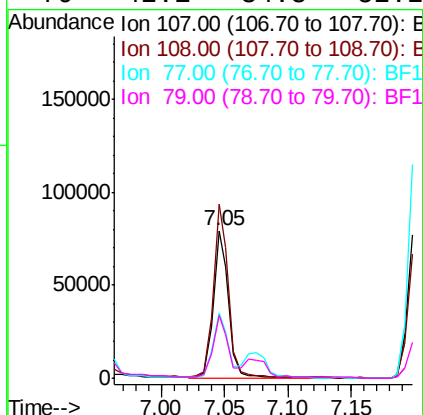
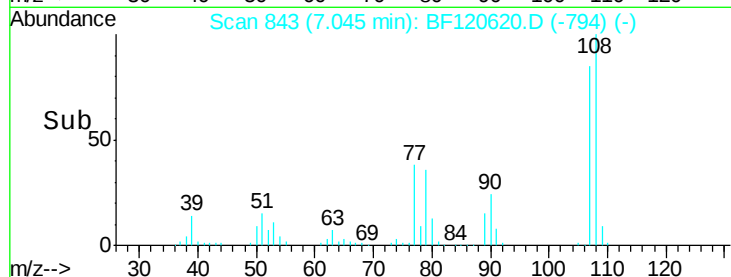
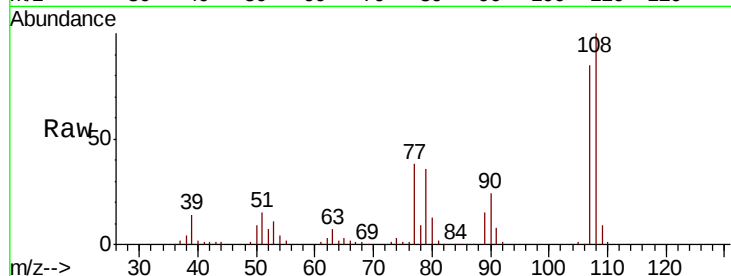




#17
2-Methylphenol
Concen: 7.621 ng
RT: 7.05 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

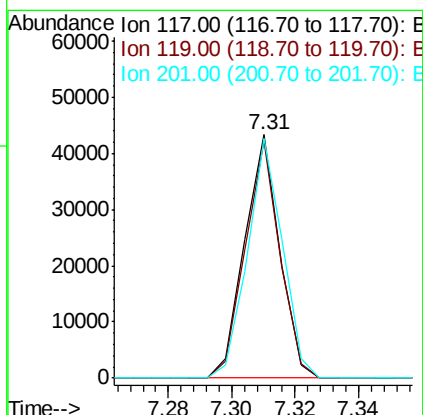
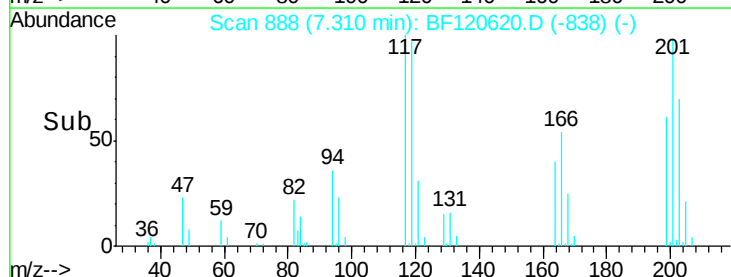
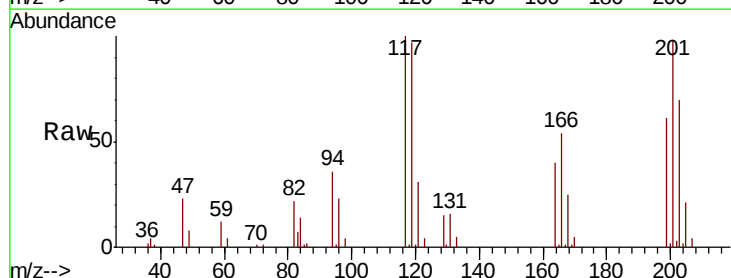
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

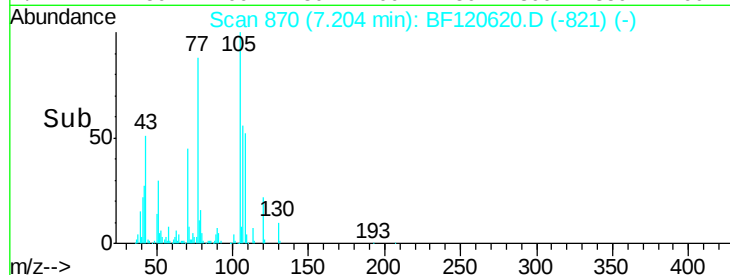
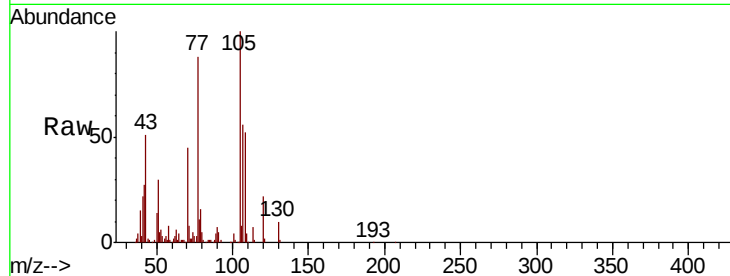
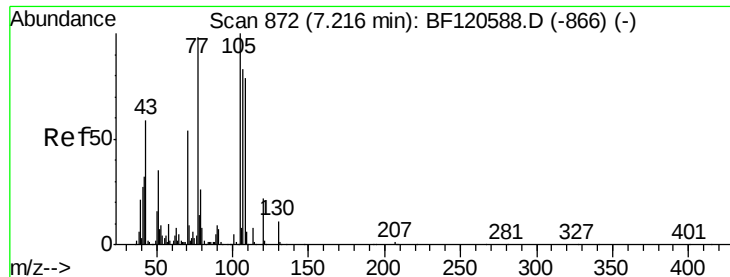
Tot Ion:107 Resp: 68838
Ion Ratio Lower Upper
107 100
108 117.7 91.9 137.9
77 44.5 35.4 53.2
79 42.1 34.8 52.2



#18
Hexachloroethane
Concen: 8.102 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion:117 Resp: 33163
Ion Ratio Lower Upper
117 100
119 97.3 76.9 115.3
201 98.4 84.6 127.0

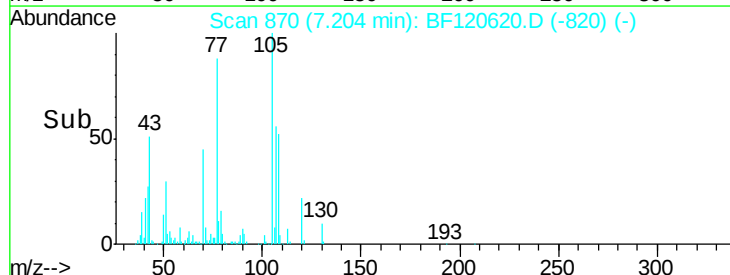
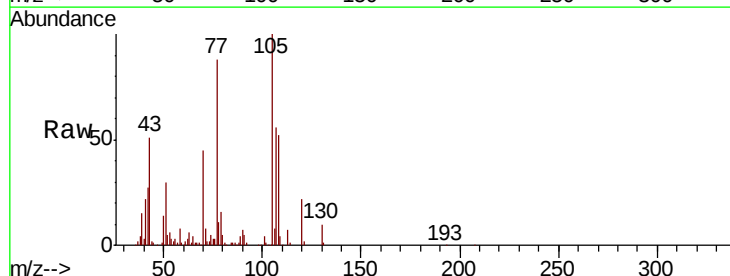
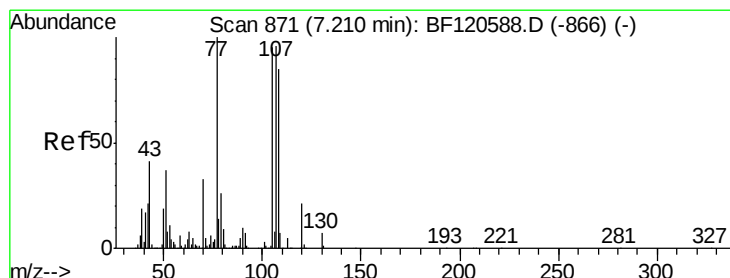
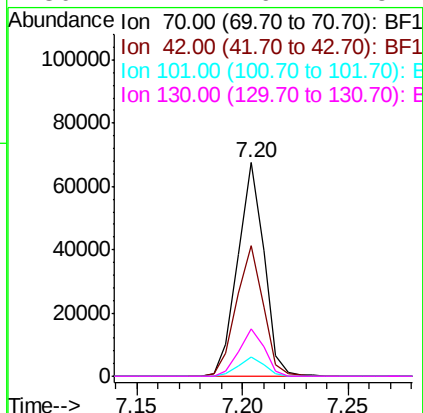




#19
n-Nitroso-di-n-propylamine
Concen: 8.627 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

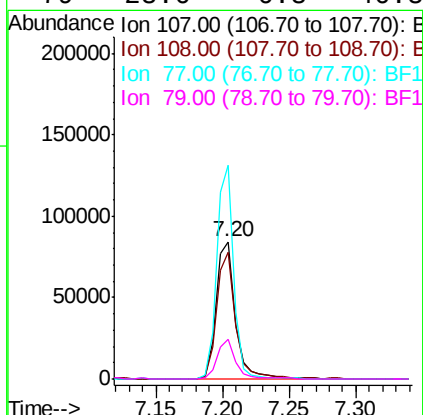
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

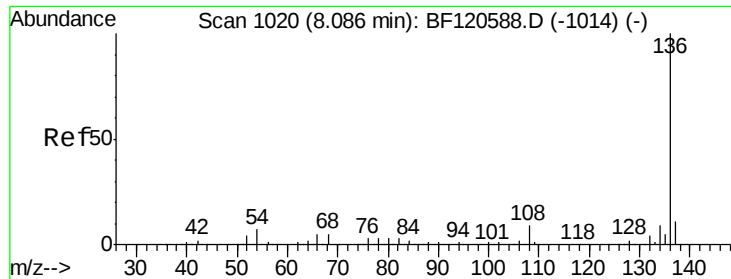
Tot Ion: 70 Resp: 58412
Ion Ratio Lower Upper
70 100
42 60.9 47.7 71.5
101 9.3 7.6 11.4
130 22.2 16.7 25.1



#20
3+4-Methylphenols
Concen: 7.681 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion: 107 Resp: 86700
Ion Ratio Lower Upper
107 100
108 92.5 68.7 108.7
77 155.7 84.2 124.2#
79 28.6 6.8 46.8

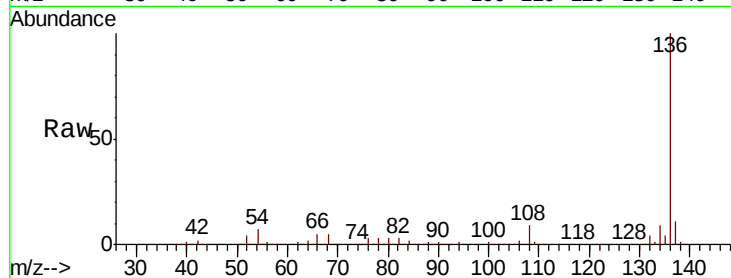




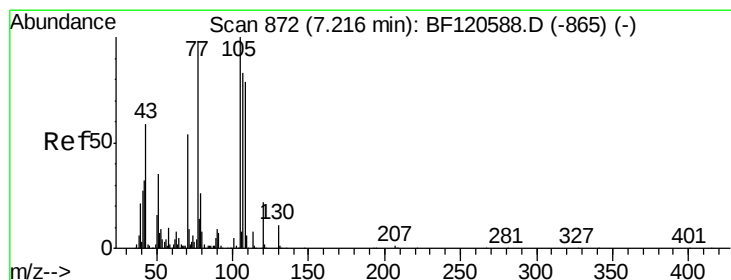
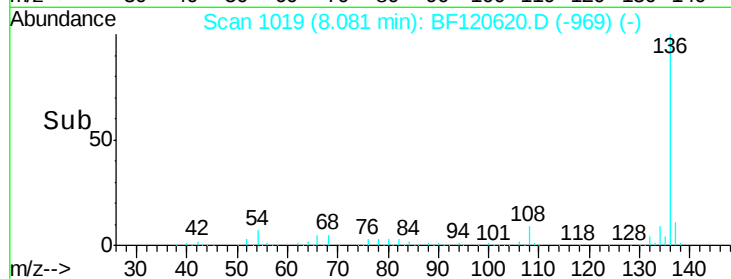
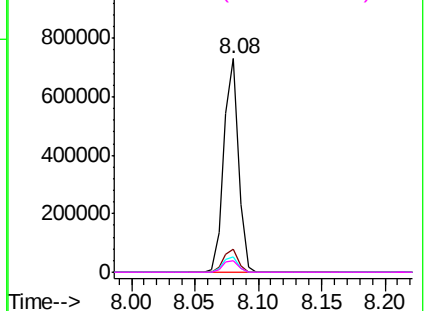
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:136	Resp:	592418
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.6 13.0
54	7.2	5.8 8.6
68	5.5	4.4 6.6

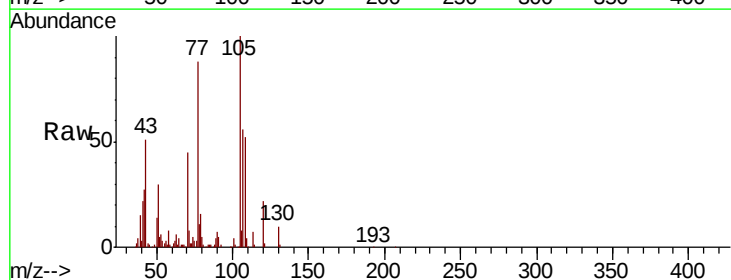


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

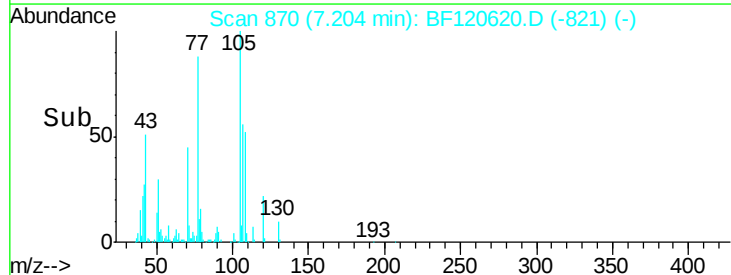
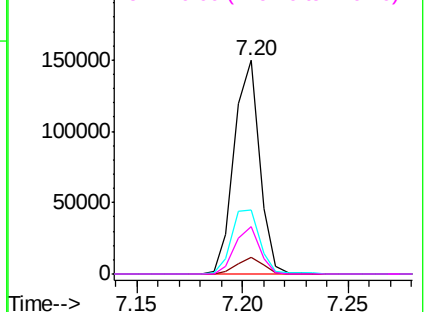


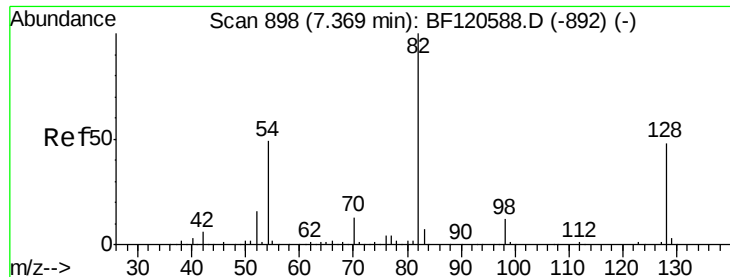
#22
Acetophenone
Concen: 9.362 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion:105	Resp:	123989
Ion Ratio	Lower	Upper
105	100	
71	7.8	7.2 10.8
51	29.8	27.8 41.8
120	21.9	18.0 27.0



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

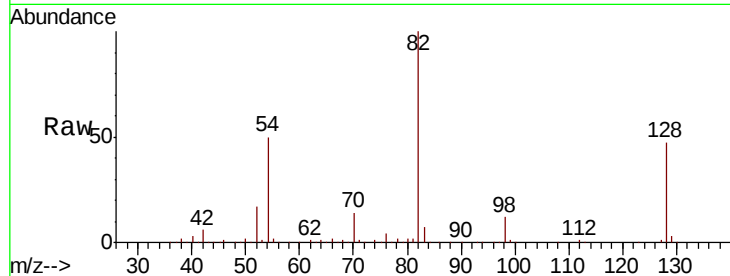




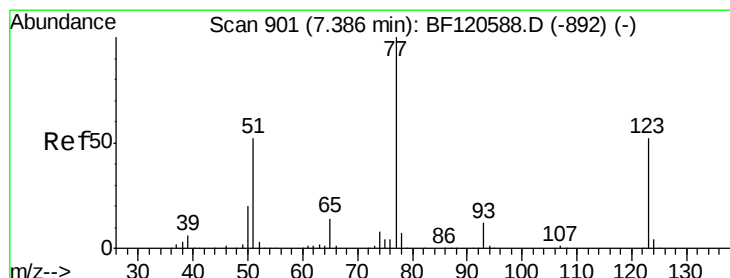
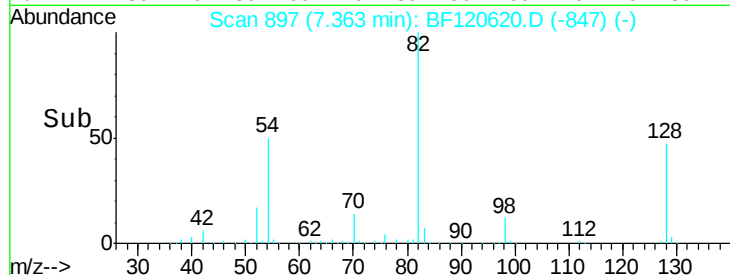
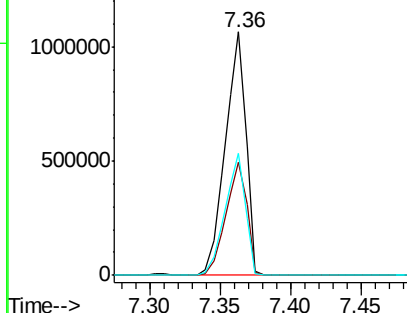
#23
Nitrobenzene-d5
Concen: 101.660 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion: 82 Resp: 1077438
Ion Ratio Lower Upper
82 100
128 46.5 38.0 57.0
54 50.4 38.8 58.2

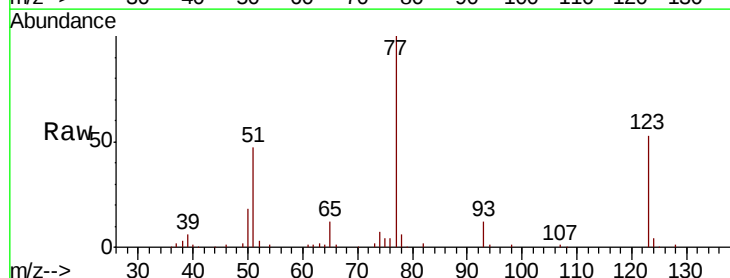


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

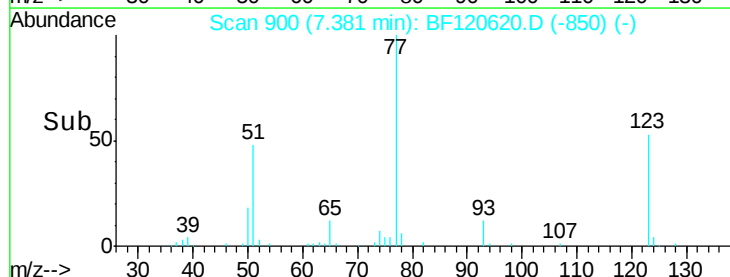
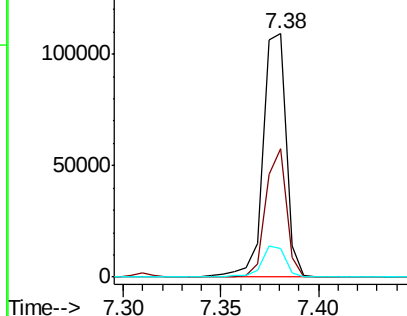


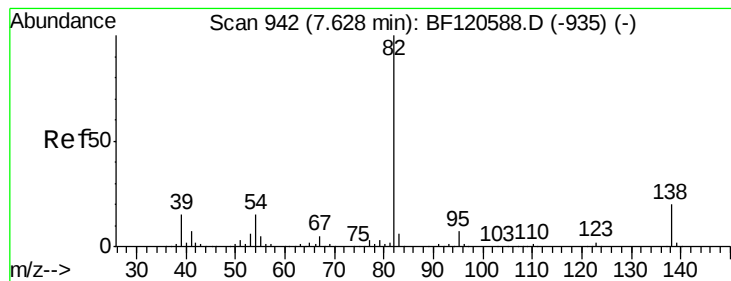
#24
Nitrobenzene
Concen: 8.103 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion: 77 Resp: 89867
Ion Ratio Lower Upper
77 100
123 52.9 41.4 62.0
65 11.9 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: 7.698 ng

RT: 7.61 min Scan# 939

Delta R.T. -0.02 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

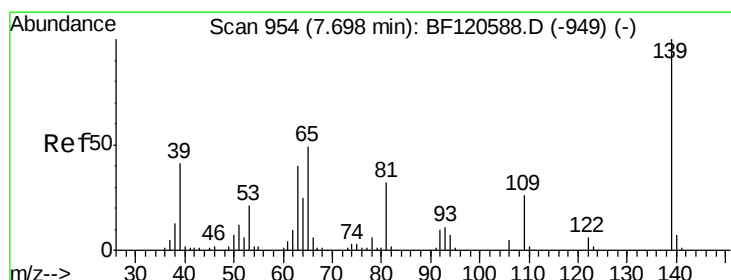
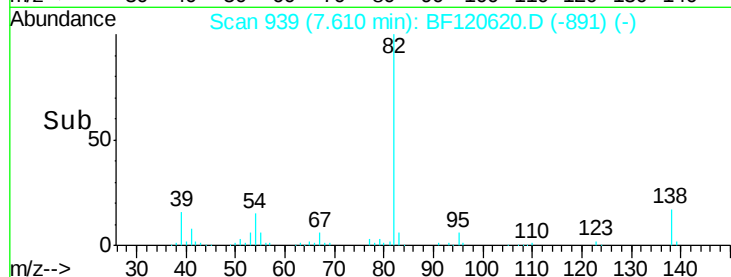
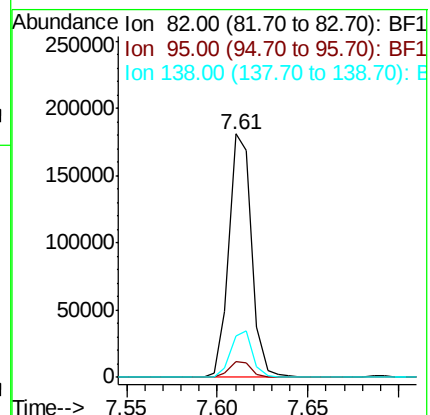
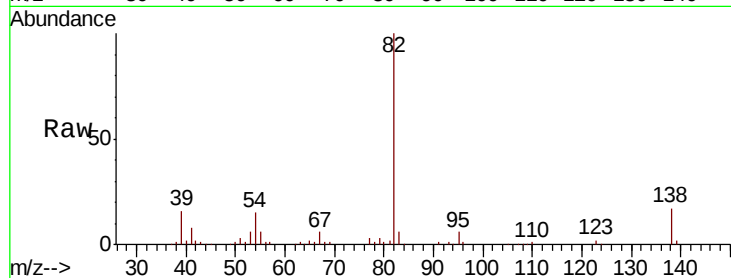
Tot Ion: 82 Resp: 158924

Ion Ratio Lower Upper

82 100

95 6.5 5.7 8.5

138 17.1 16.2 24.4



#26

2-Nitrophenol

Concen: 7.007 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

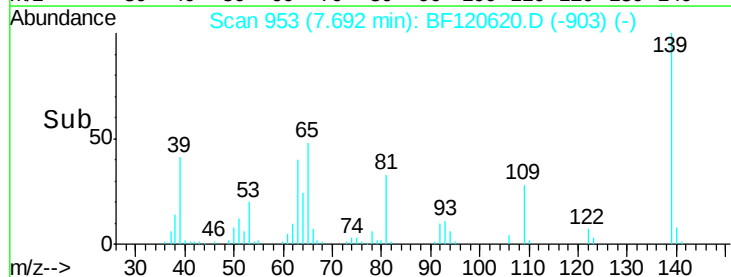
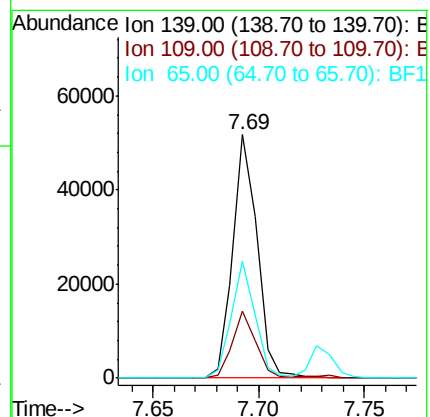
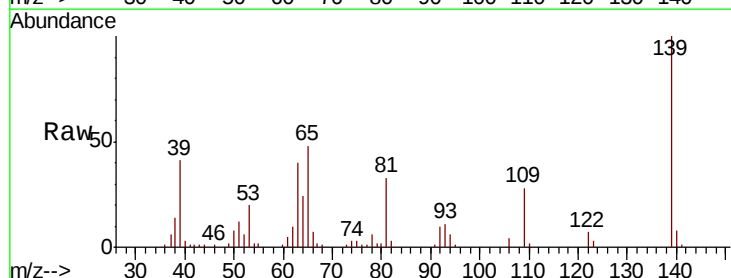
Tgt Ion: 139 Resp: 41115

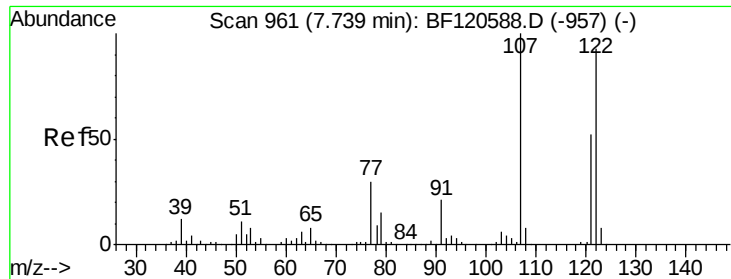
Ion Ratio Lower Upper

139 100

109 27.7 21.1 31.7

65 47.8 39.4 59.0

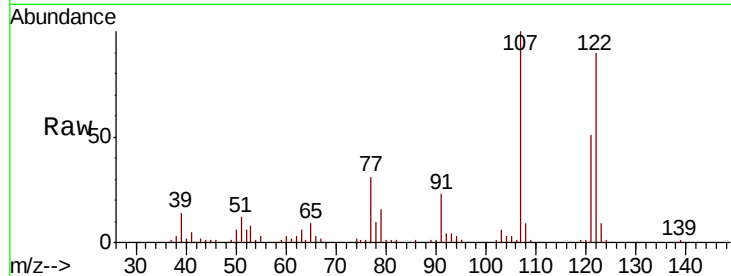




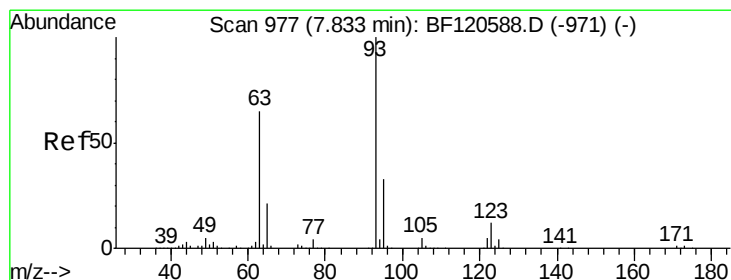
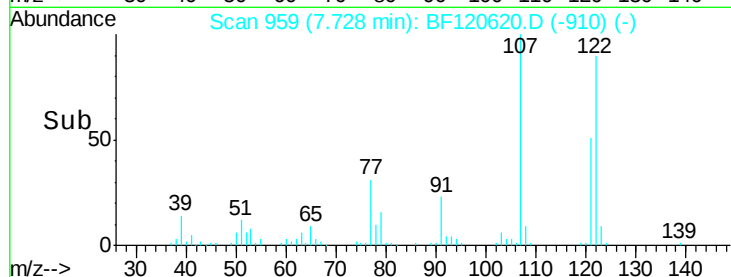
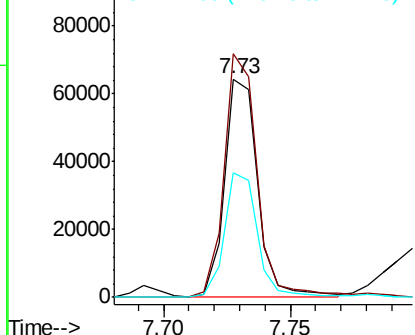
#27
2,4-Dimethylphenol
Concen: 6.798 ng
RT: 7.73 min Scan# 959
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:122 Resp: 58730
Ion Ratio Lower Upper
122 100
107 111.4 86.4 129.6
121 56.7 45.2 67.8

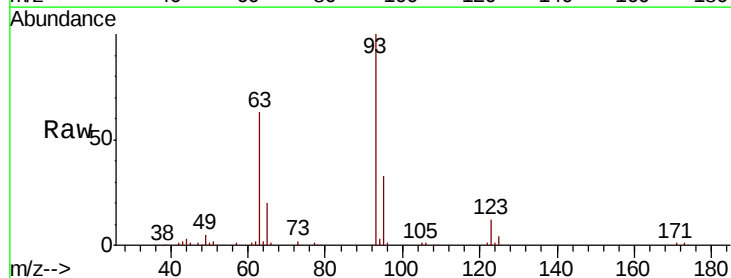


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

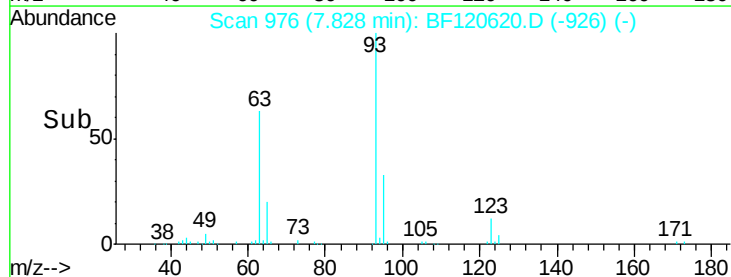
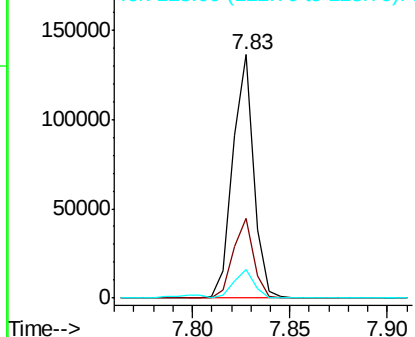


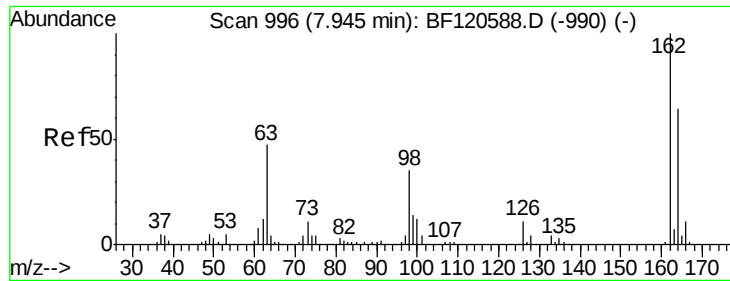
#28
bis(2-Chloroethoxy)methane
Concen: 8.500 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion: 93 Resp: 101724
Ion Ratio Lower Upper
93 100
95 32.8 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

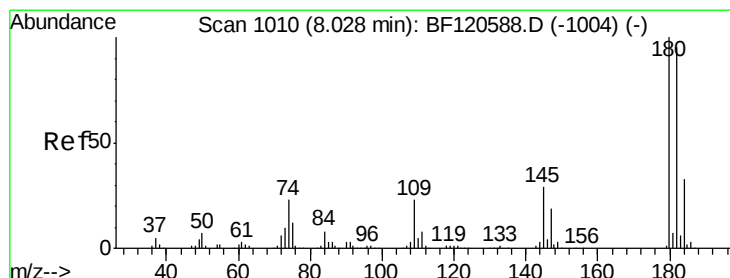
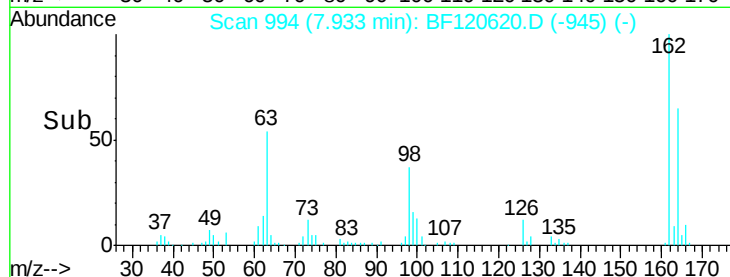
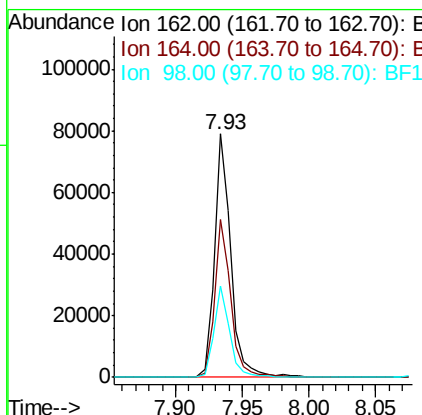
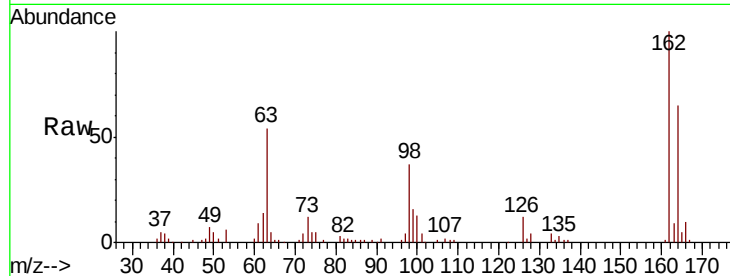




#29
 2,4-Dichlorophenol
 Concen: 7.775 ng
 RT: 7.93 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

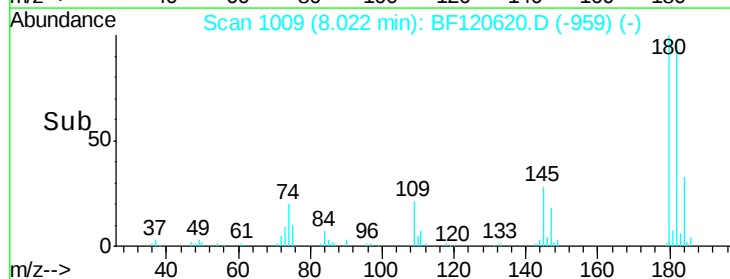
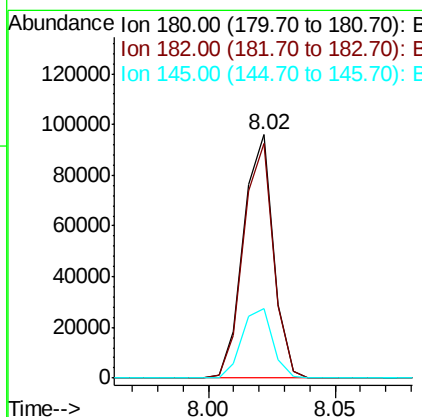
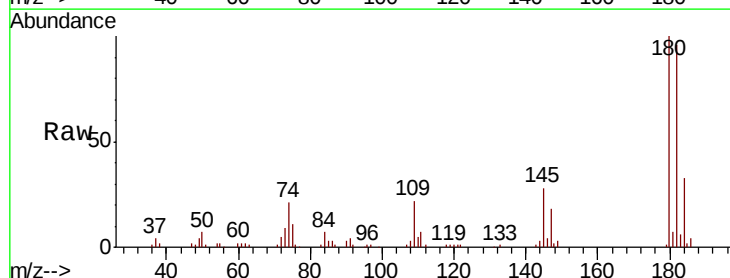
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

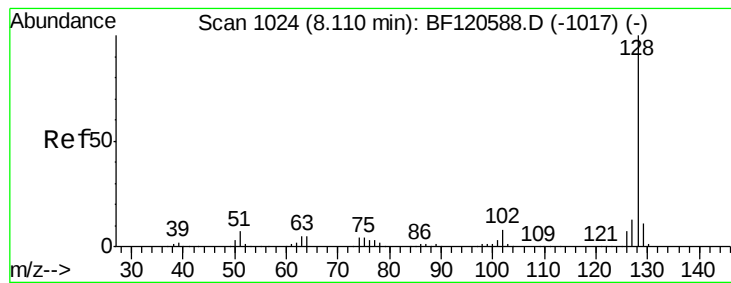
Tot Ion	162	Resp	68276
Ion Ratio	Lower	Upper	
162	100		
164	64.6	44.1	84.1
98	37.3	14.7	54.7



#30
 1,2,4-Trichlorobenzene
 Concen: 8.117 ng
 RT: 8.02 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Tgt Ion	180	Resp	78991
Ion Ratio	Lower	Upper	
180	100		
182	96.4	75.8	113.6
145	28.3	23.0	34.6





#31

Naphthalene

Concen: 8.865 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

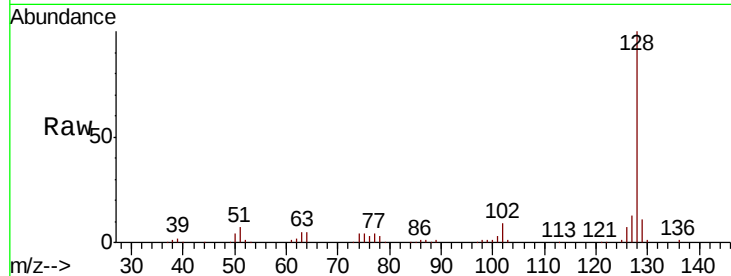
Tot Ion:128 Resp: 257874

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

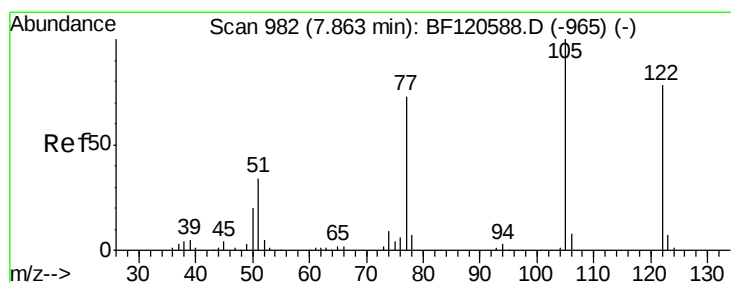
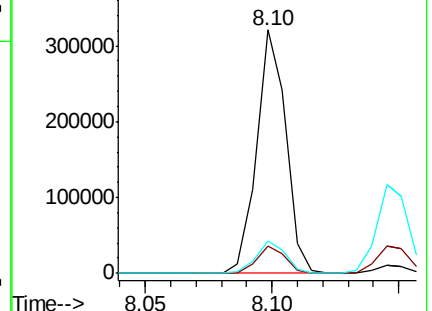
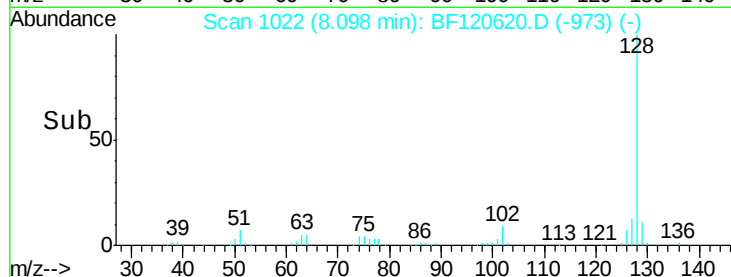
127 13.3 10.6 15.8



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: 3.449 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.06 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

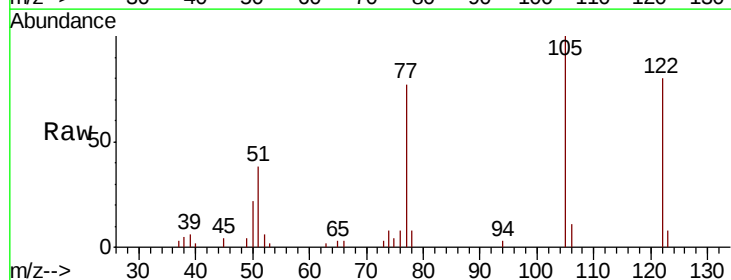
Tgt Ion:122 Resp: 22859

Ion Ratio Lower Upper

122 100

105 124.7 101.0 141.0

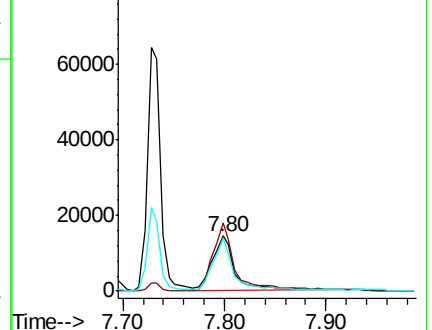
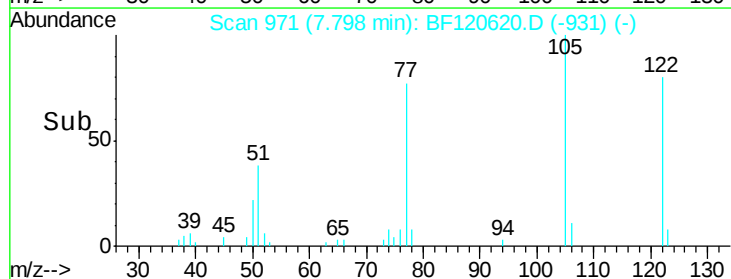
77 96.0 69.8 109.8

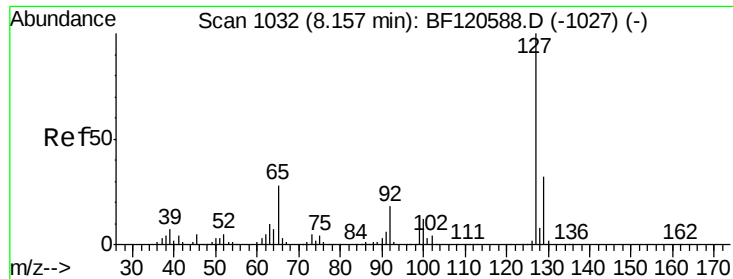


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

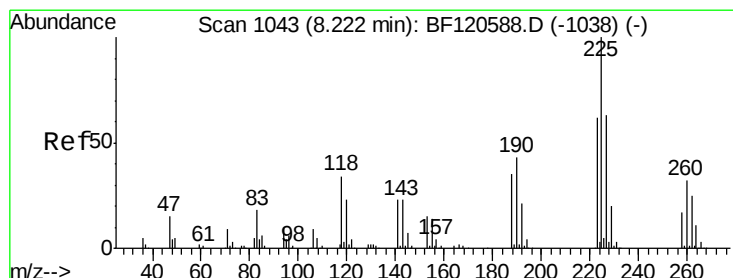
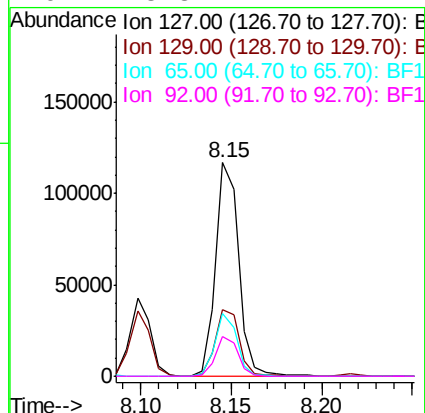
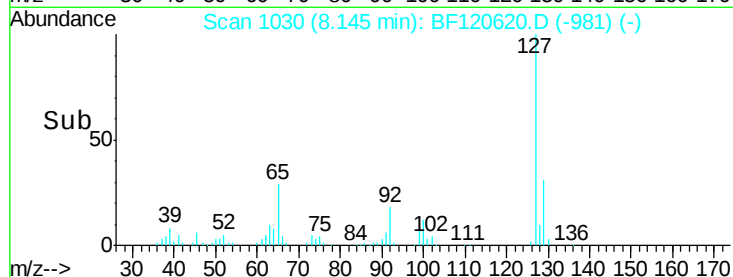
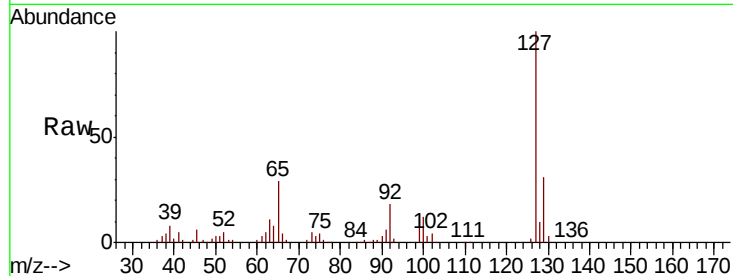




#33
4-Chloroaniline
Concen: 7.767 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

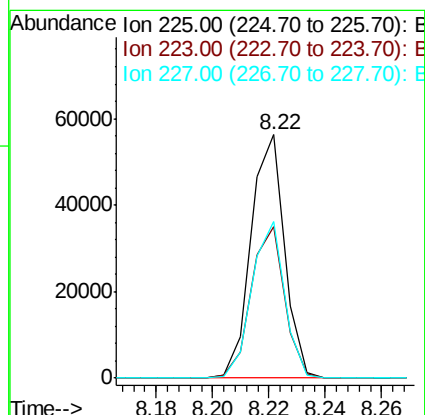
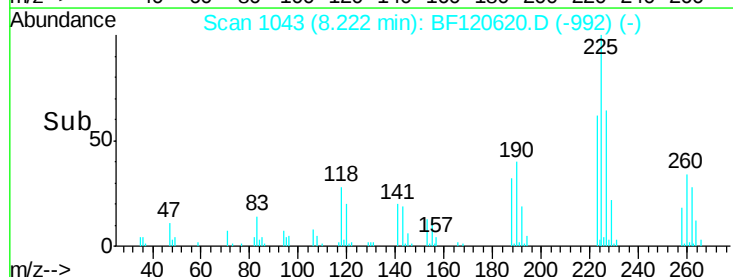
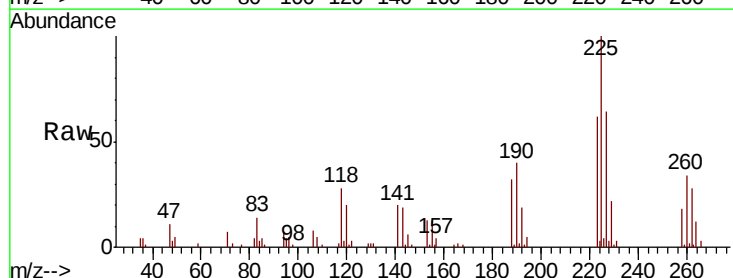
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

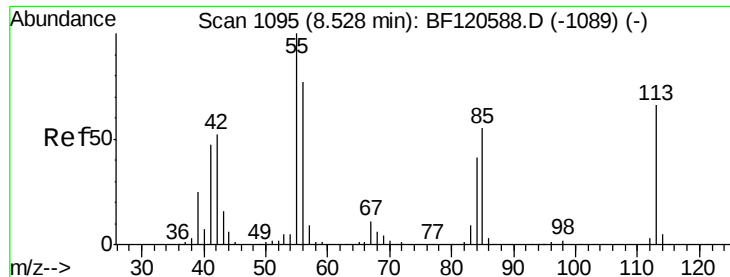
Tot Ion:	127	Resp:	103703
Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.9	38.9
65	29.4	22.2	33.4
92	18.3	14.2	21.2



#34
Hexachlorobutadiene
Concen: 8.161 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion:	225	Resp:	46297
Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.9	74.9
227	64.1	50.5	75.7

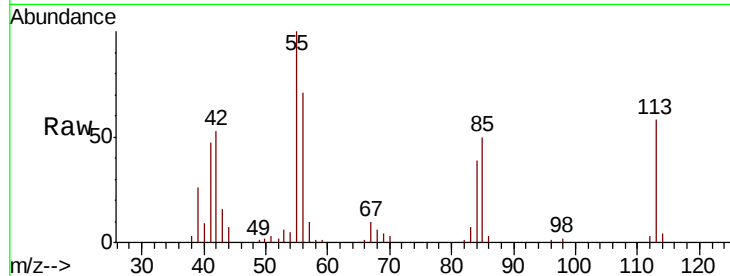




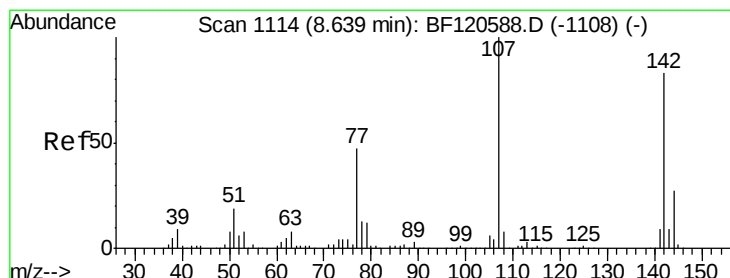
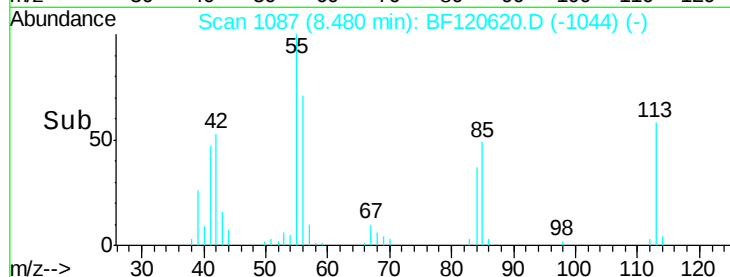
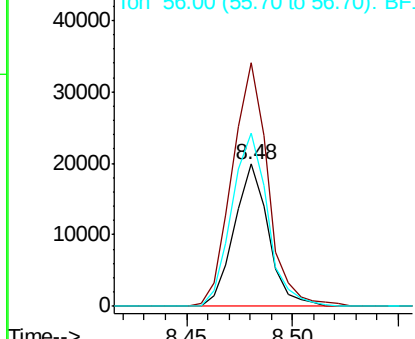
#35
Caprolactam
Concen: 7.947 ng
RT: 8.48 min Scan# 1087
Delta R.T. -0.05 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:113 Resp: 22320
Ion Ratio Lower Upper
113 100
55 171.0 133.1 173.1
56 121.7 98.4 138.4

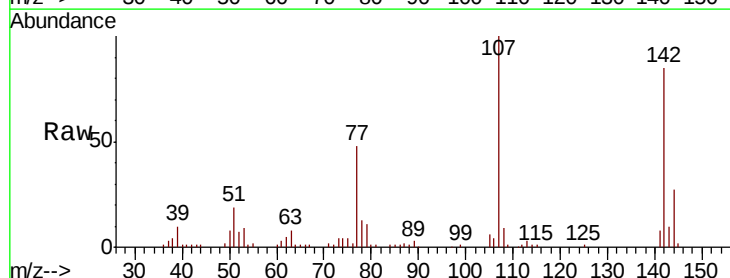


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

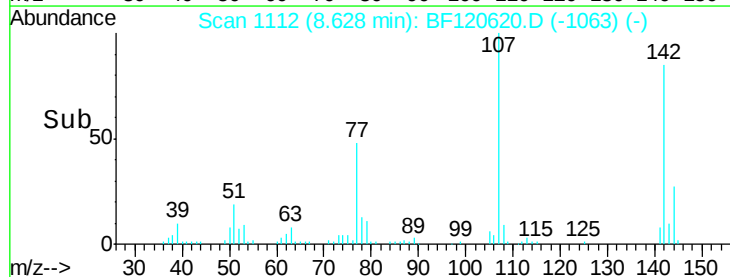
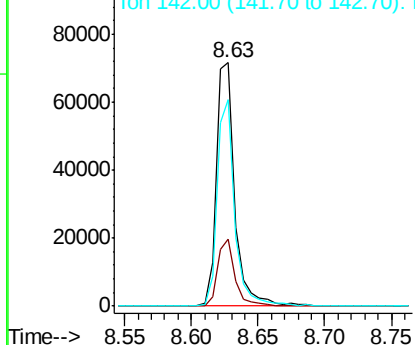


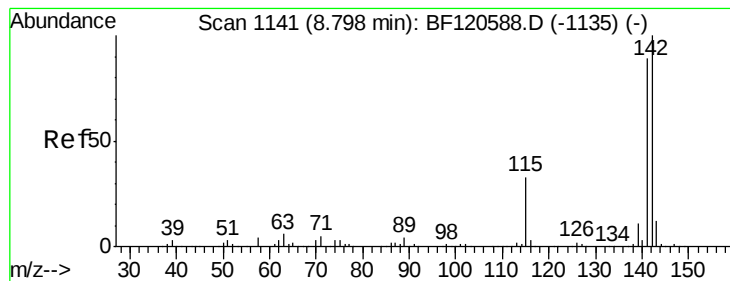
#36
4-Chloro-3-methylphenol
Concen: 7.954 ng
RT: 8.63 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion:107 Resp: 69788
Ion Ratio Lower Upper
107 100
144 27.5 21.4 32.2
142 84.7 66.3 99.5



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





#37

2-Methylnaphthalene

Concen: 9.003 ng

RT: 8.79 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

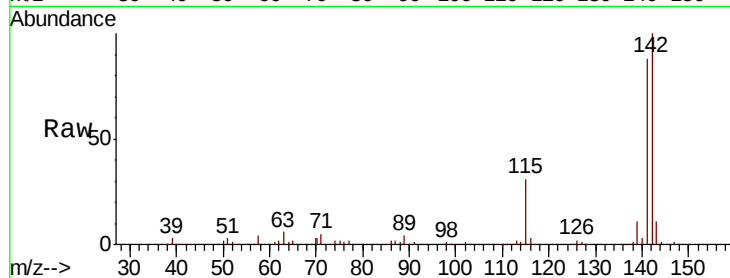
Tot Ion:142 Resp: 170961

Ion Ratio Lower Upper

142 100

141 88.2 71.4 107.0

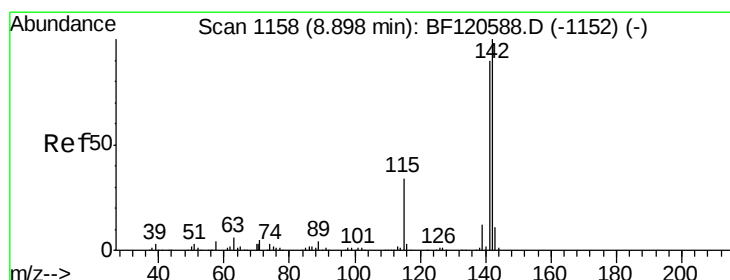
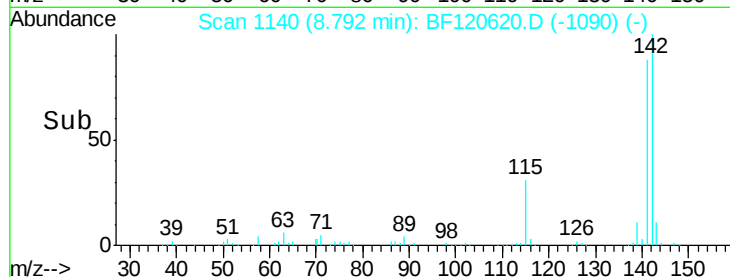
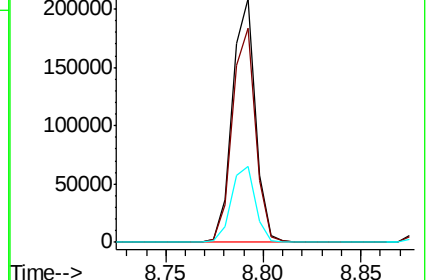
115 31.4 26.1 39.1



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: 9.090 ng

RT: 8.89 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

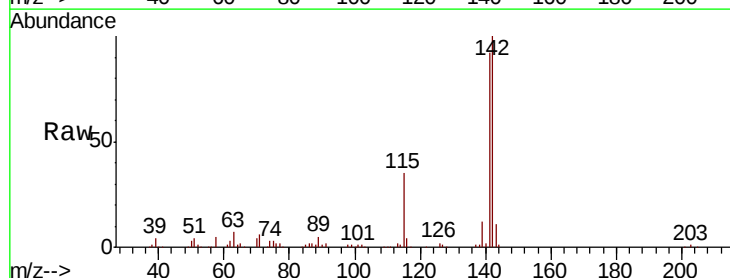
Tgt Ion:142 Resp: 162423

Ion Ratio Lower Upper

142 100

141 92.2 72.1 108.1

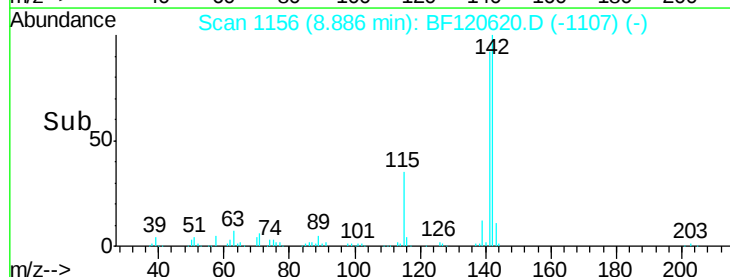
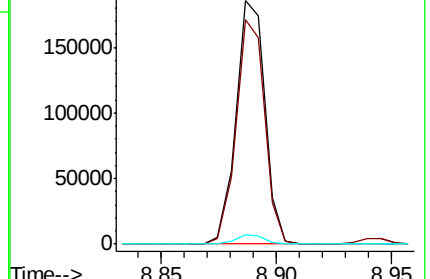
116 3.7 2.7 4.1

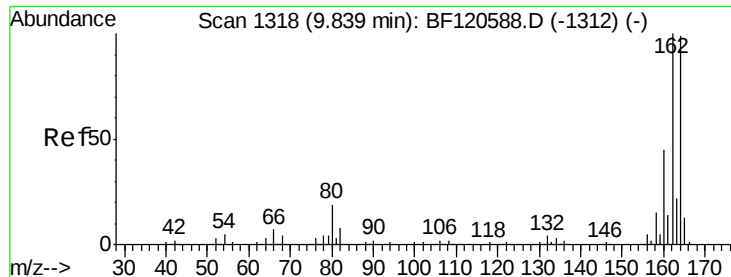


Abundance Ion 142.00 (141.70 to 142.70): E

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: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

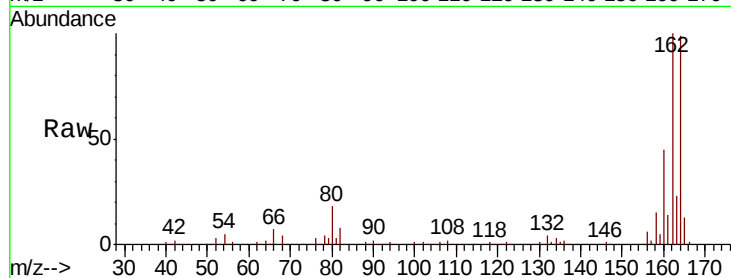
Tot Ion:164 Resp: 311534

Ion Ratio Lower Upper

164 100

162 101.2 80.6 120.8

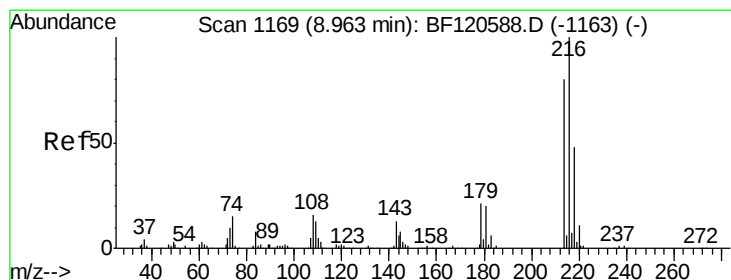
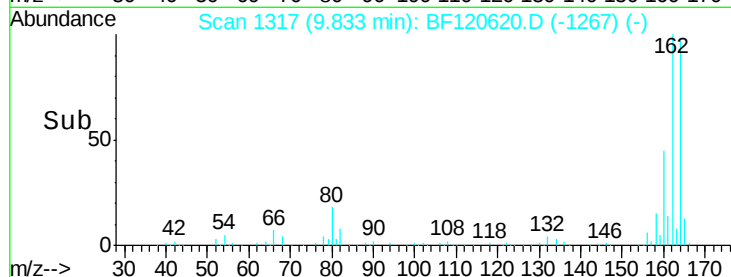
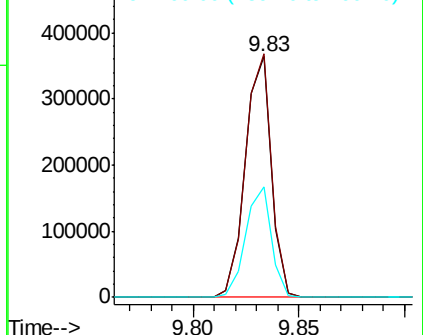
160 45.7 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.745 ng

RT: 8.96 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Tgt Ion:216 Resp: 81344

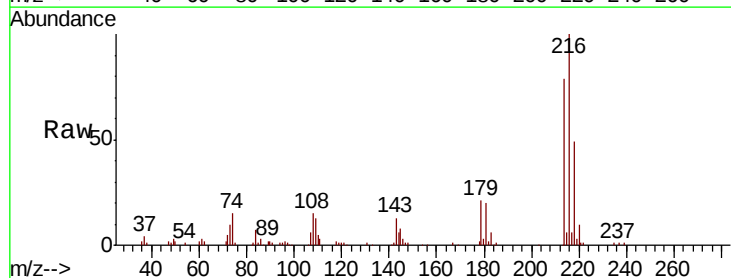
Ion Ratio Lower Upper

216 100

214 78.8 63.8 95.6

179 20.6 16.4 24.6

108 17.4 13.8 20.8

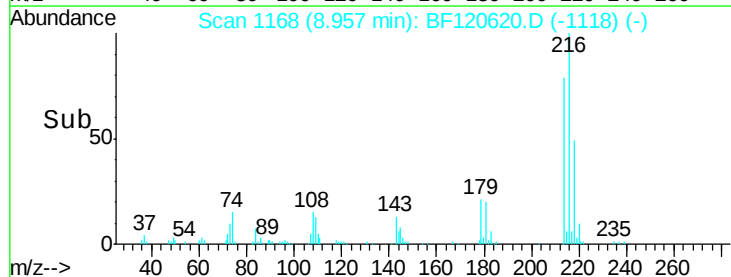
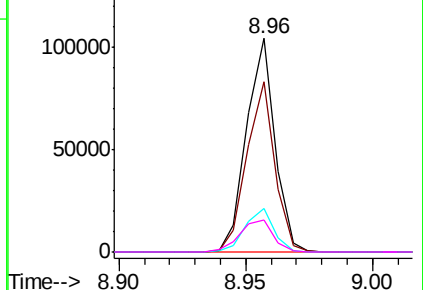


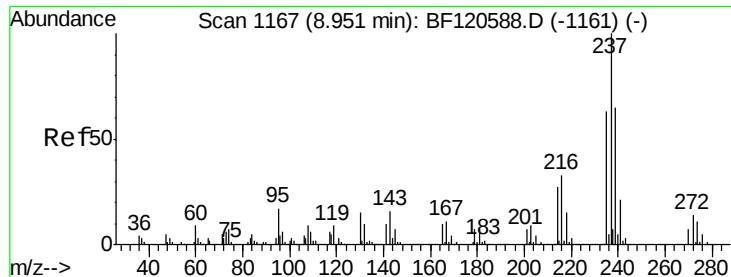
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 5.596 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

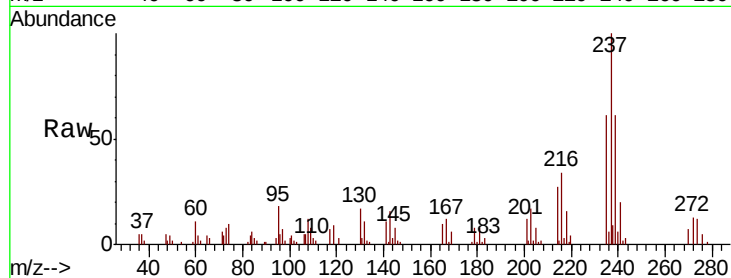
Tot Ion:237 Resp: 29168

Ion Ratio Lower Upper

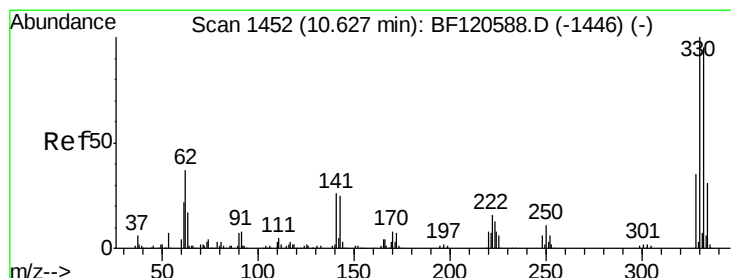
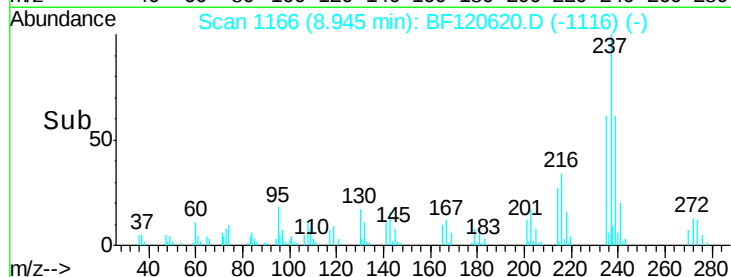
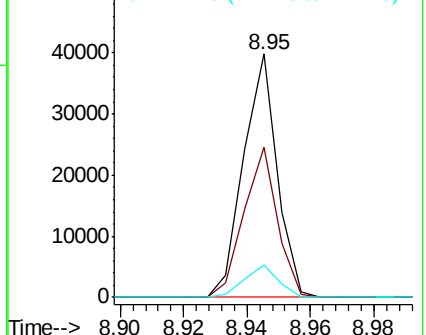
237 100

235 61.5 43.2 83.2

272 13.2 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: 149.449 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

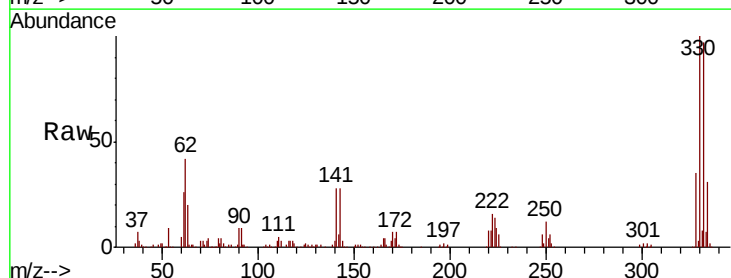
Tgt Ion:330 Resp: 541308

Ion Ratio Lower Upper

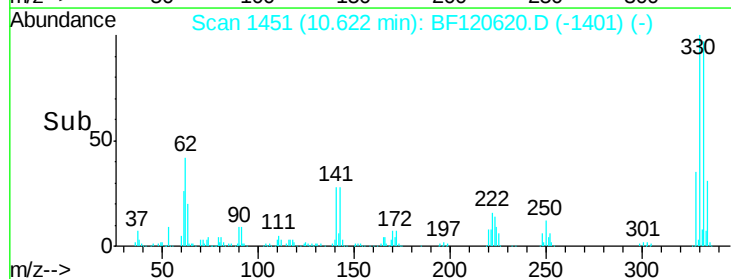
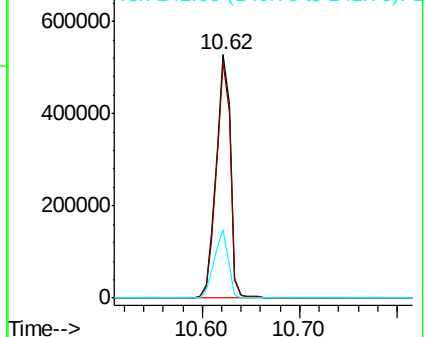
330 100

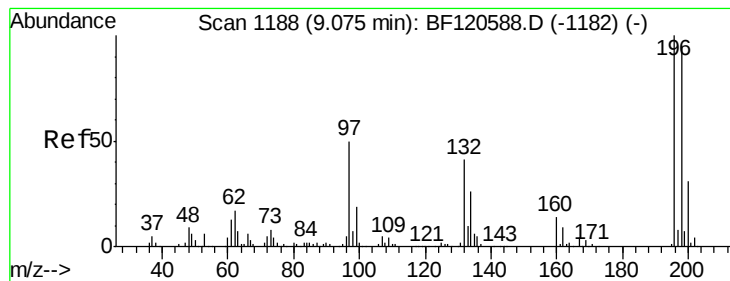
332 96.3 76.8 115.2

141 27.9 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: 7.449 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

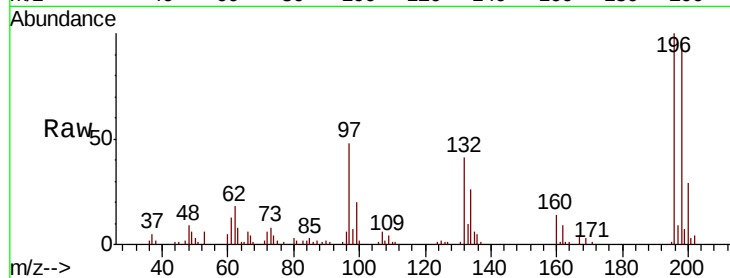
Tot Ion:196 Resp: 49153

Ion Ratio Lower Upper

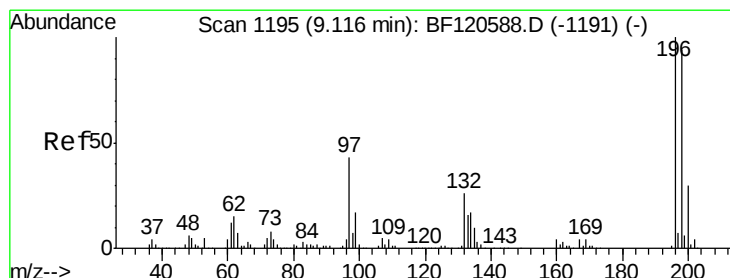
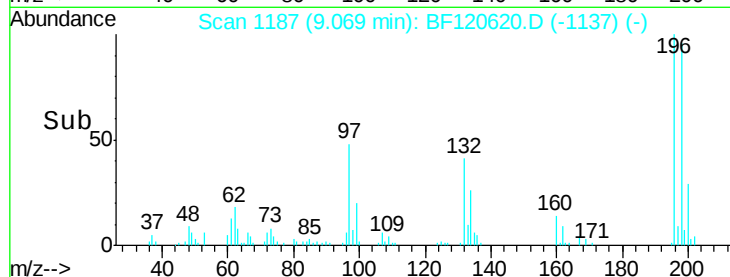
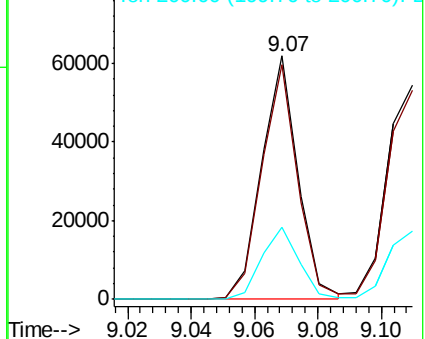
196 100

198 96.3 76.2 114.2

200 29.4 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: 6.841 ng

RT: 9.11 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Tgt Ion:196 Resp: 51212

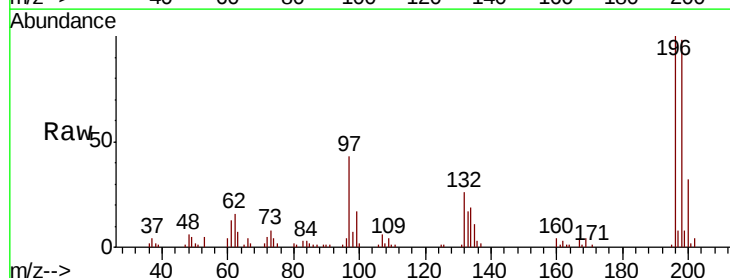
Ion Ratio Lower Upper

196 100

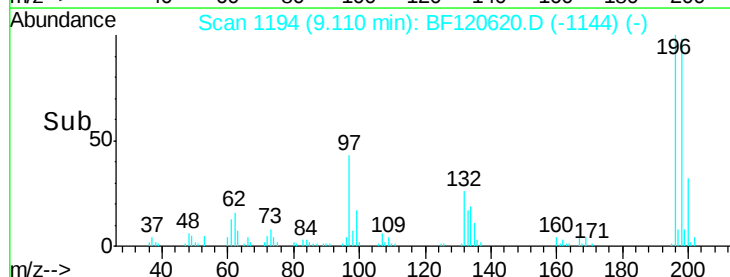
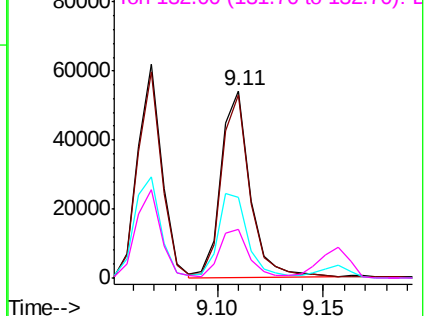
198 97.6 75.5 113.3

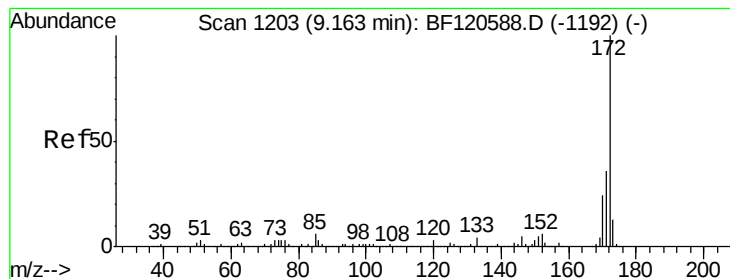
97 43.3 34.4 51.6

132 26.1 20.7 31.1



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





#45

2-Fluorobiphenyl

Concen: 95.250 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

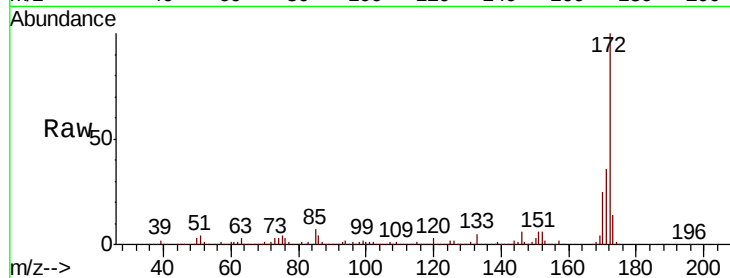
Tot Ion:172 Resp: 1939460

Ion Ratio Lower Upper

172 100

171 36.3 29.0 43.4

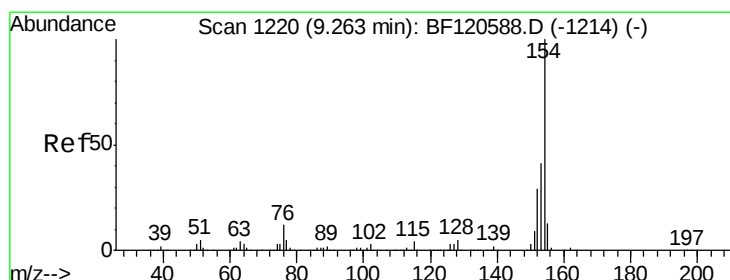
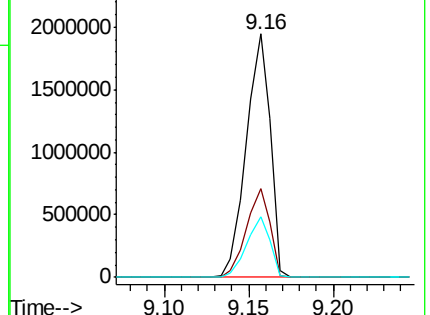
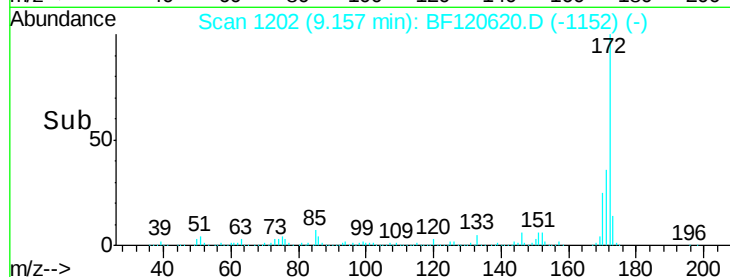
170 24.7 19.4 29.2



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 9.509 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

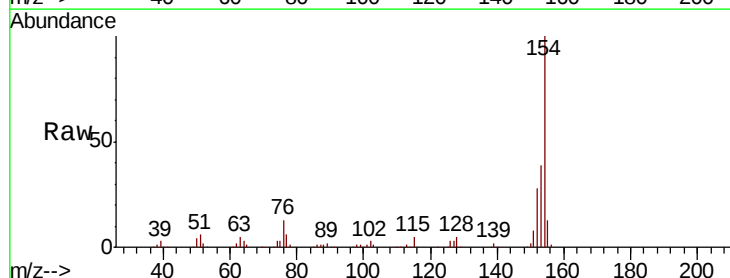
Tgt Ion:154 Resp: 221215

Ion Ratio Lower Upper

154 100

153 39.4 21.4 61.4

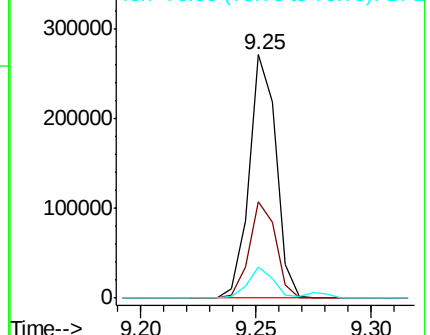
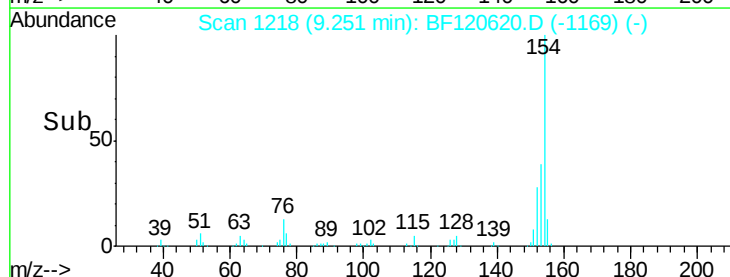
76 12.9 0.0 31.6

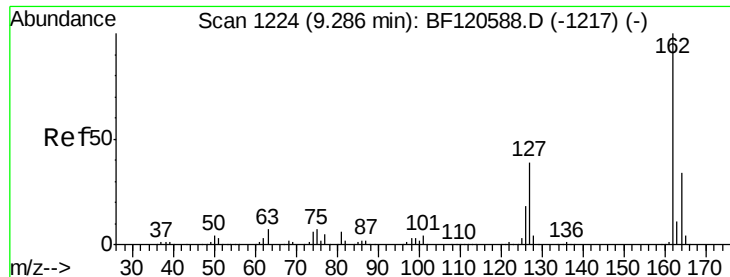


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

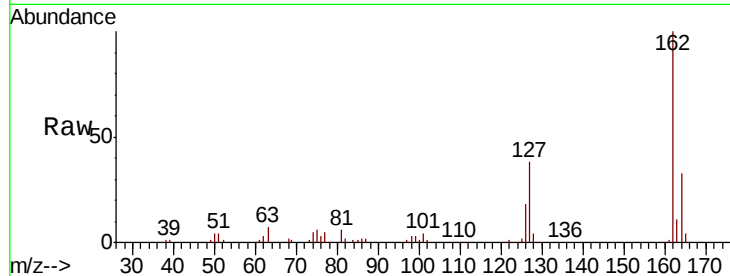




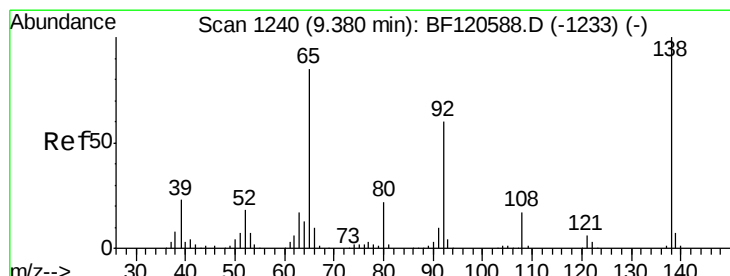
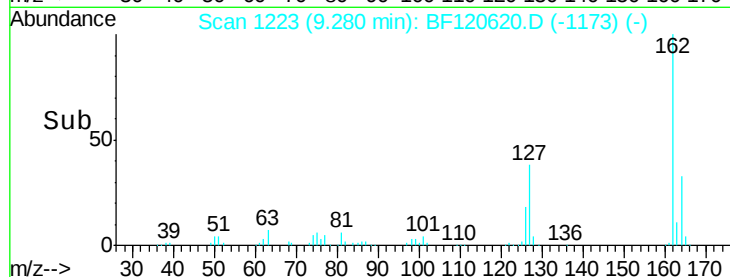
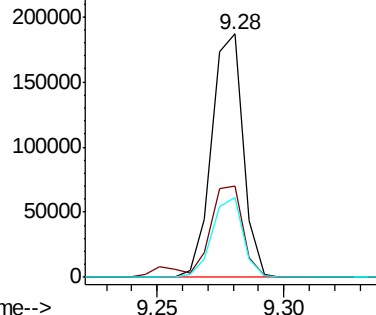
#47
 2-Chloronaphthalene
 Concen: 8.451 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Tot Ion:162 Resp: 160753
 Ion Ratio Lower Upper
 162 100
 127 37.6 31.3 46.9
 164 32.6 26.9 40.3

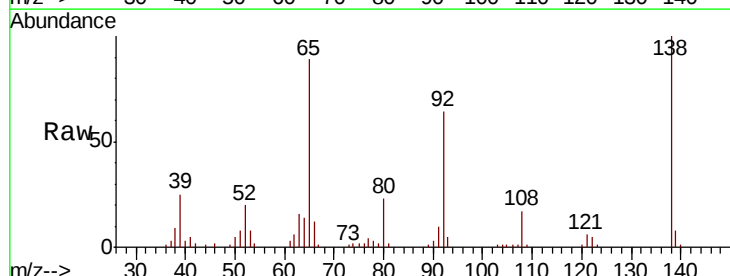


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

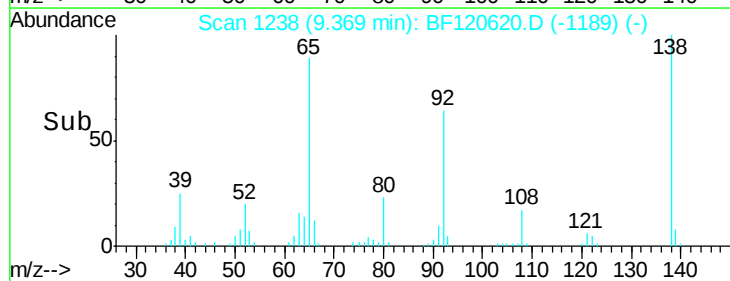
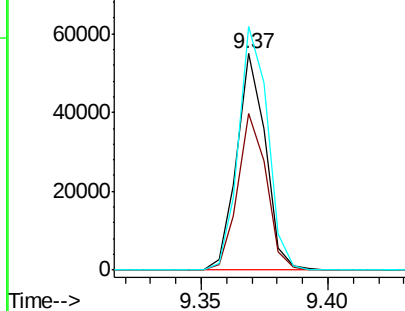


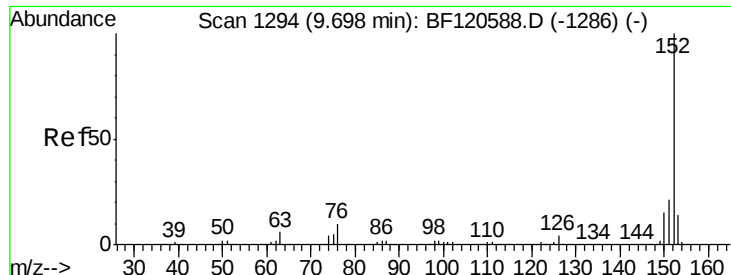
#48
 2-Nitroaniline
 Concen: 7.199 ng
 RT: 9.37 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Tgt Ion: 65 Resp: 43010
 Ion Ratio Lower Upper
 65 100
 92 72.2 56.0 84.0
 138 112.6 94.0 141.0



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





#49

Acenaphthylene

Concen: 8.779 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

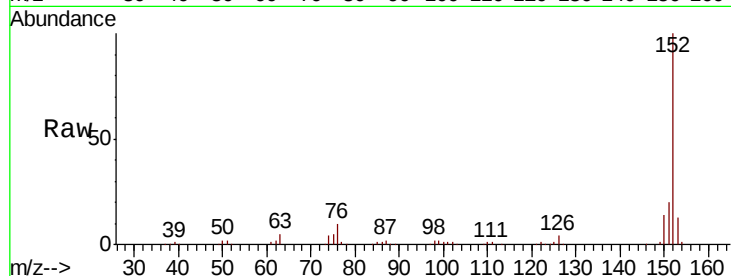
Tot Ion:152 Resp: 257743

Ion Ratio Lower Upper

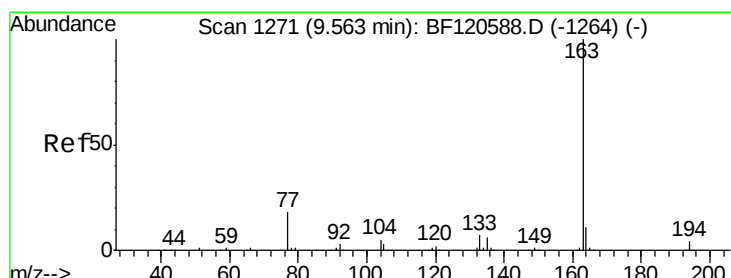
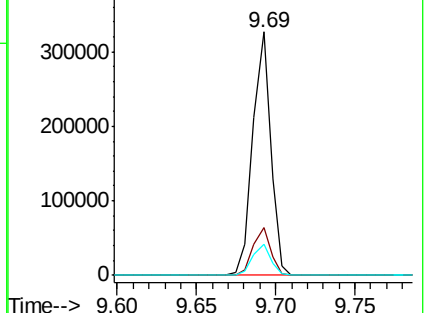
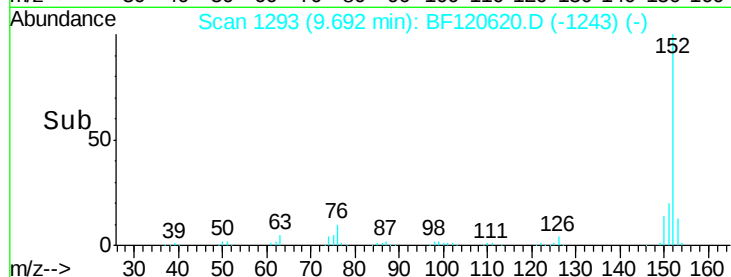
152 100

151 19.7 16.6 25.0

153 12.6 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: 8.076 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

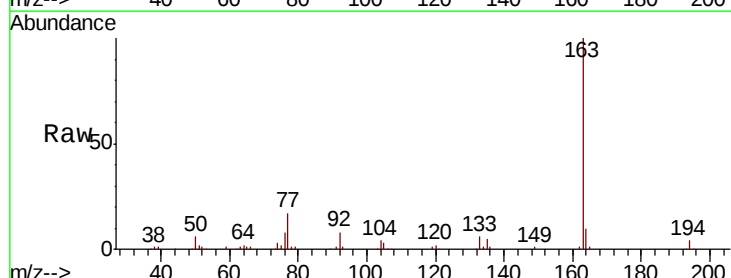
Tgt Ion:163 Resp: 181197

Ion Ratio Lower Upper

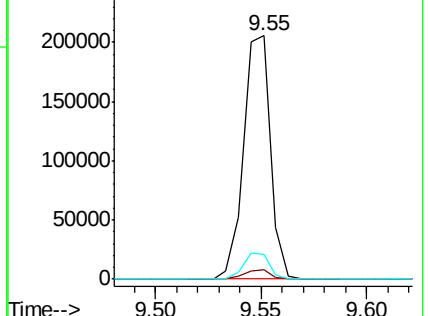
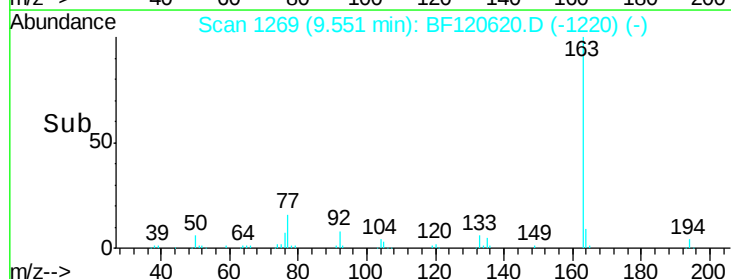
163 100

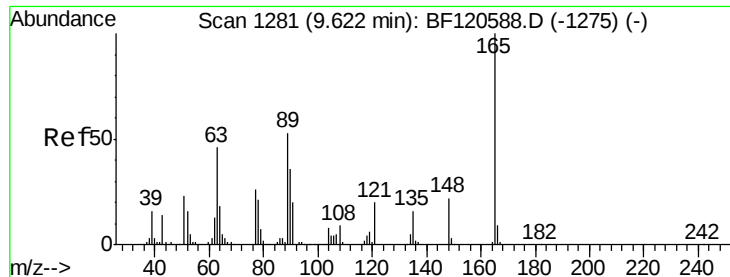
194 4.0 3.1 4.7

164 10.1 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: 7.714 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

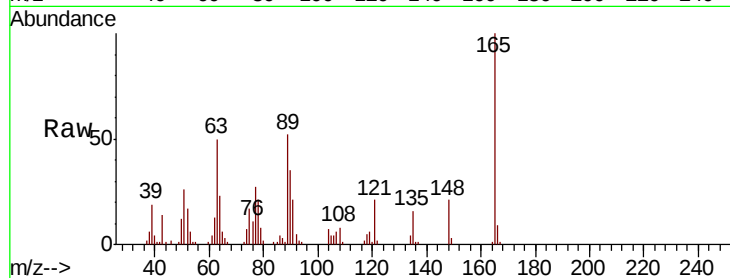
Tot Ion:165 Resp: 39225

Ion Ratio Lower Upper

165 100

63 50.0 41.7 62.5

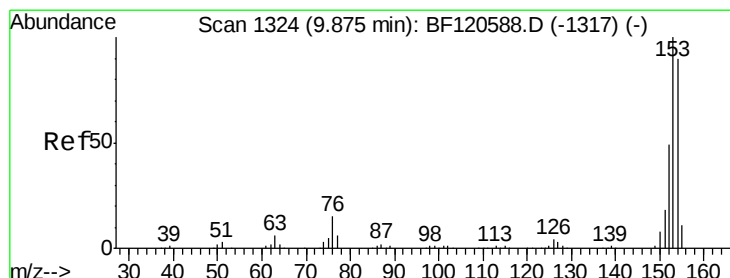
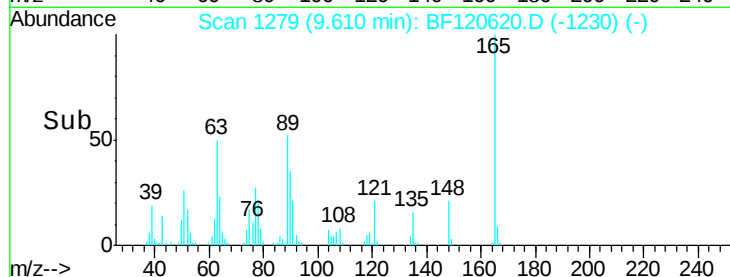
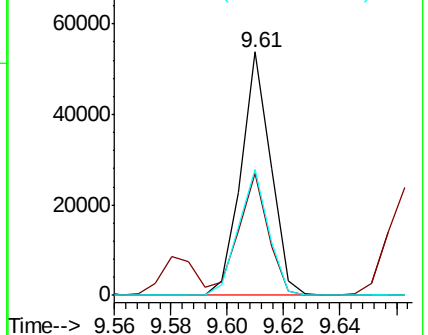
89 51.9 42.6 64.0



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: 9.007 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

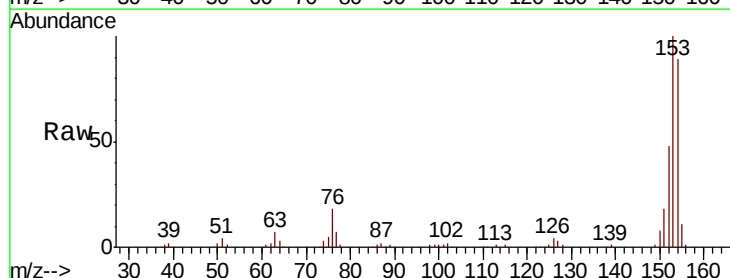
Tgt Ion:154 Resp: 157706

Ion Ratio Lower Upper

154 100

153 112.3 89.1 133.7

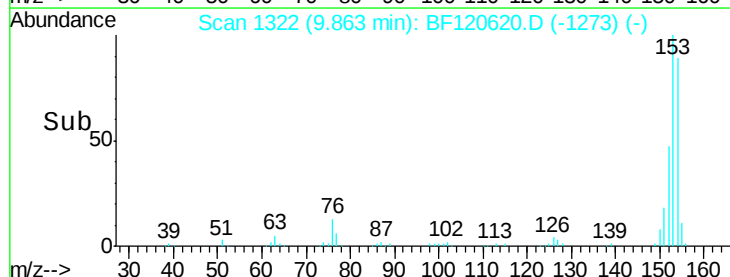
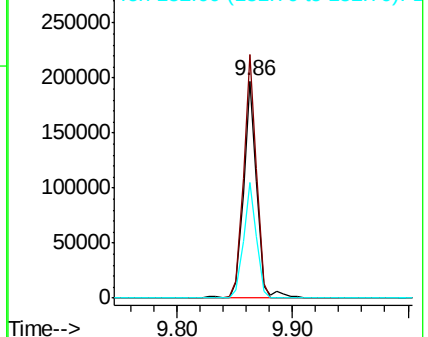
152 53.6 43.7 65.5

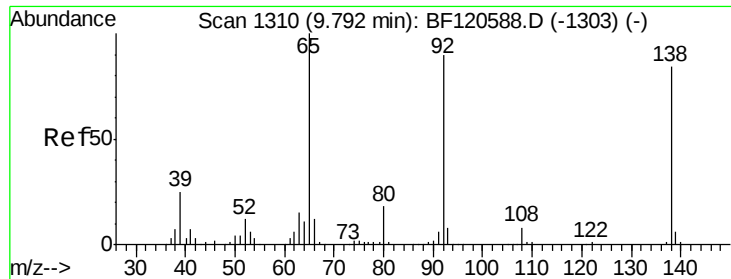


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

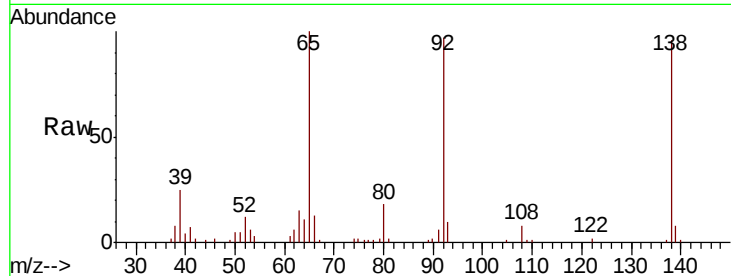




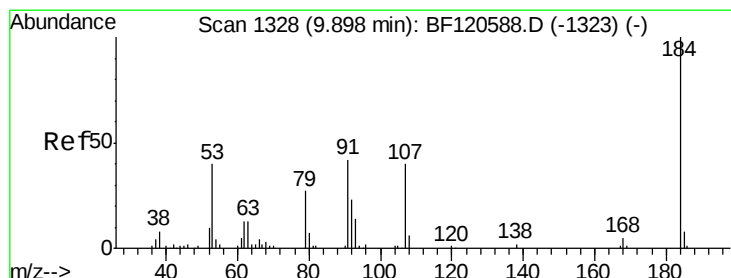
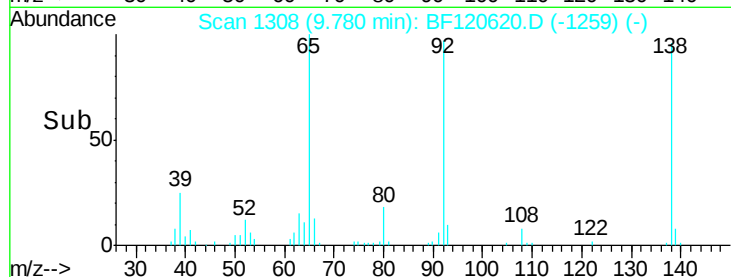
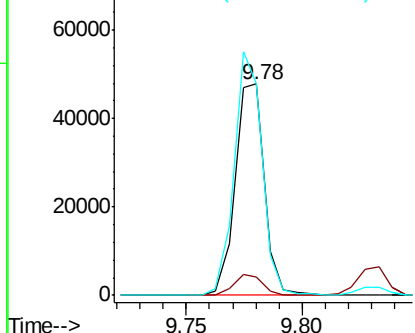
#53
3-Nitroaniline
Concen: 6.938 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:138 Resp: 42372
Ion Ratio Lower Upper
138 100
108 8.6 8.0 12.0
92 100.5 86.0 129.0

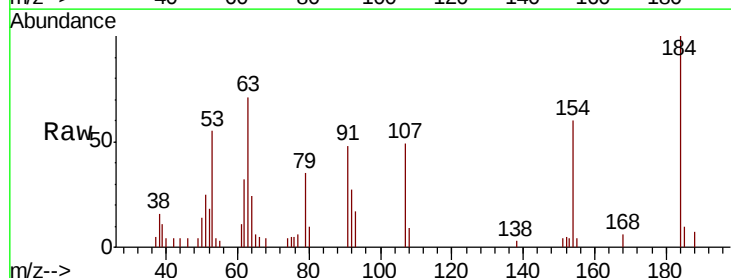


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

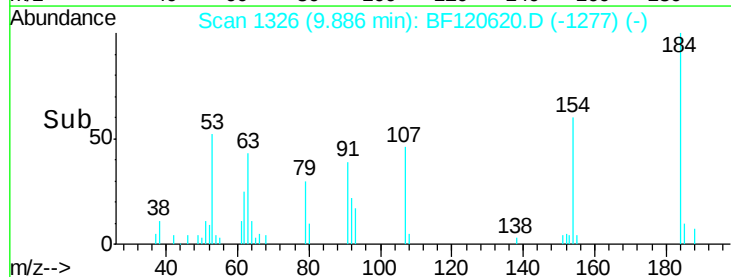
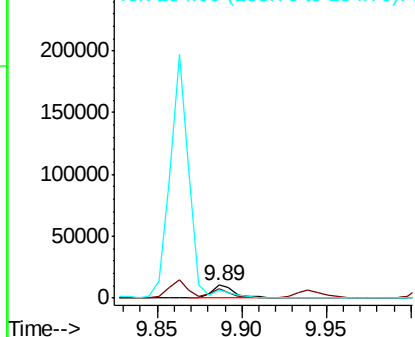


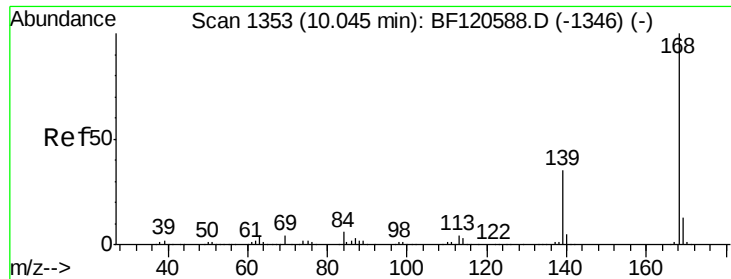
#54
2,4-Dinitrophenol
Concen: 3.970 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion:184 Resp: 10822
Ion Ratio Lower Upper
184 100
63 70.9 44.2 66.2#
154 60.4 45.9 68.9



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

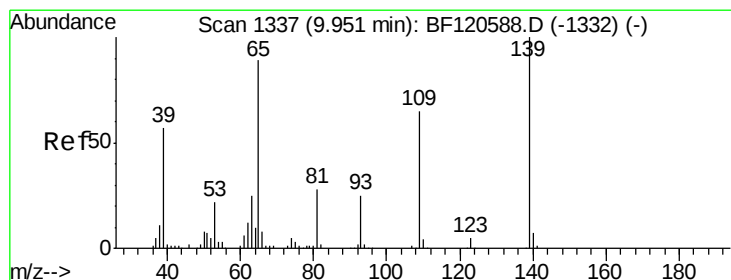
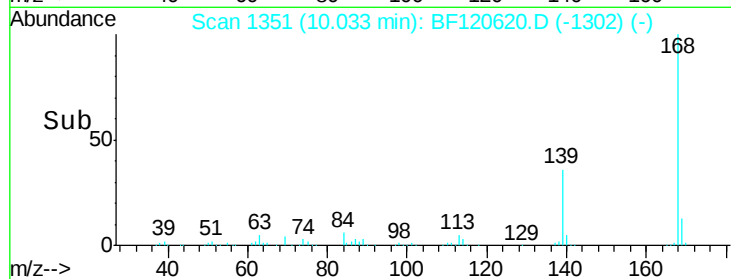
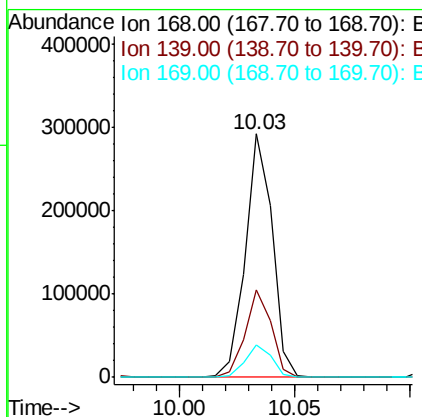
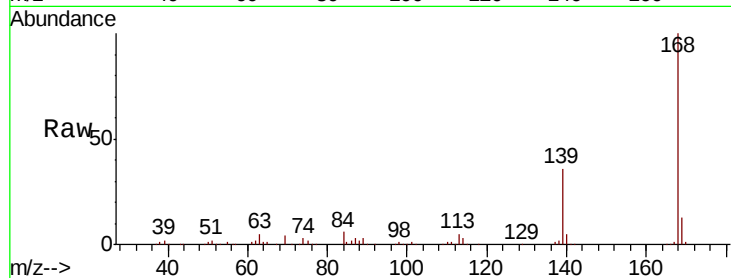




#55
Dibenzenofuran
Concen: 8.893 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

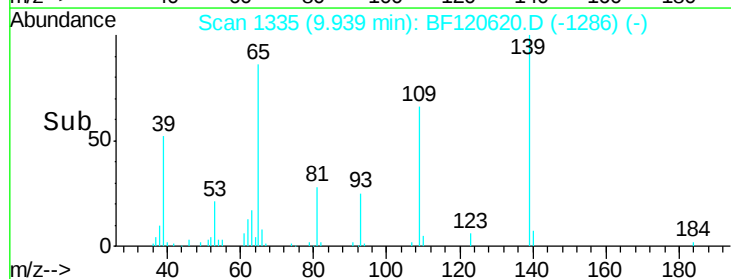
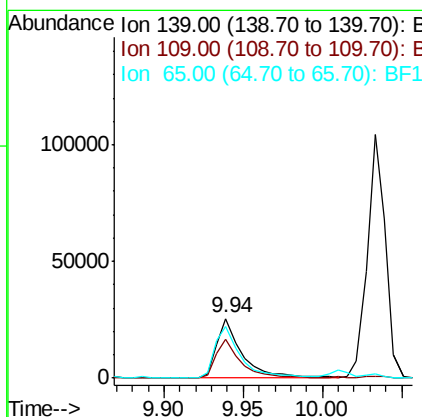
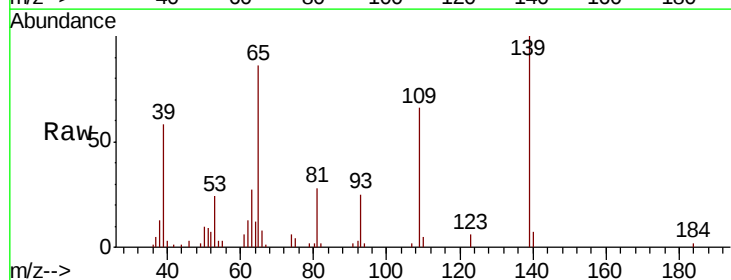
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

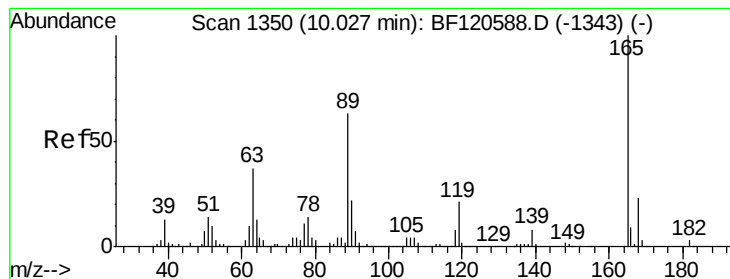
Tot Ion:168 Resp: 238742
Ion Ratio Lower Upper
168 100
139 35.7 28.1 42.1
169 13.2 10.6 16.0



#56
4-Nitrophenol
Concen: 6.208 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion:139 Resp: 28557
Ion Ratio Lower Upper
139 100
109 65.6 44.6 84.6
65 86.3 69.2 109.2





#57

2,4-Dinitrotoluene

Concen: 7.345 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:165 Resp: 49556

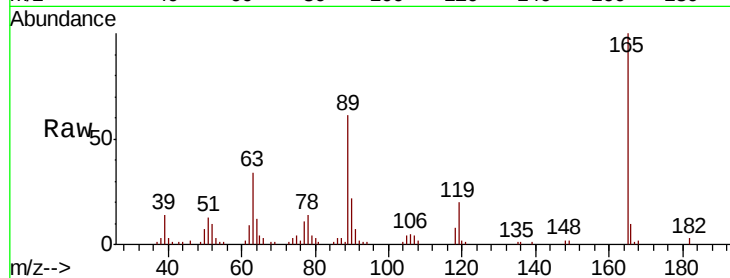
Ion Ratio Lower Upper

165 100

63 34.4 29.8 44.8

89 61.2 50.4 75.6

182 2.7 2.1 3.1

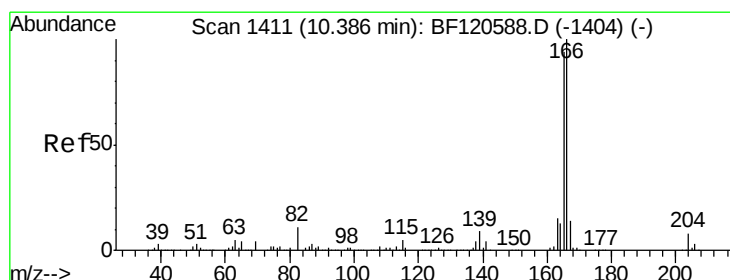
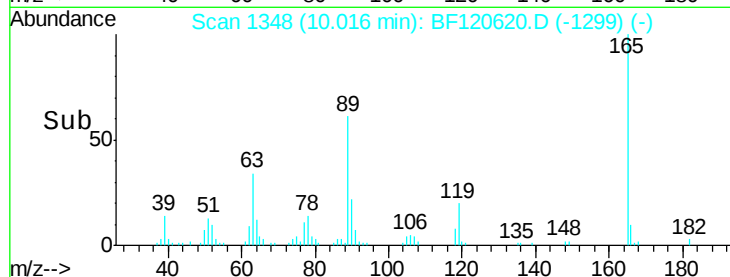
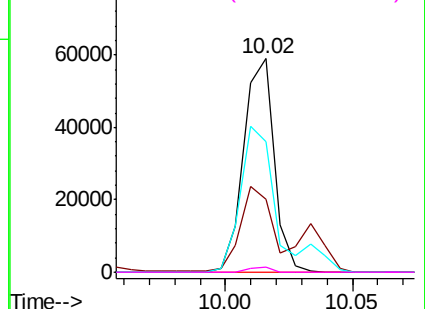


Abundance Ion 165.00 (164.70 to 165.70): E

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: 8.735 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

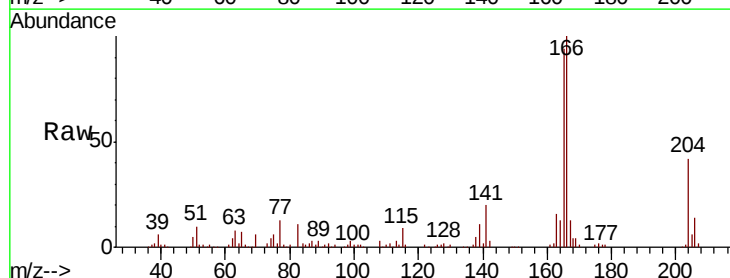
Tgt Ion:166 Resp: 180782

Ion Ratio Lower Upper

166 100

165 93.8 75.0 112.6

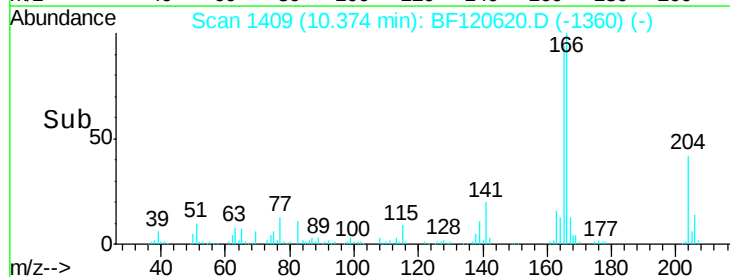
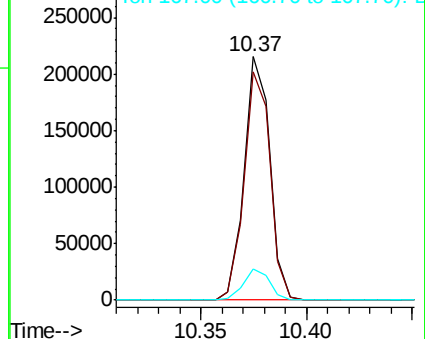
167 13.0 11.0 16.4

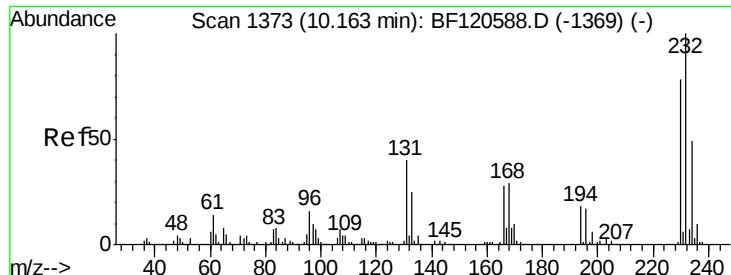


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

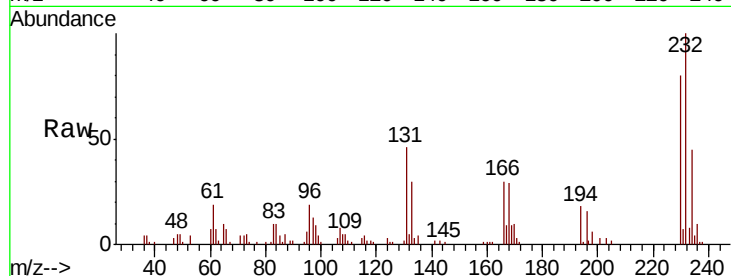




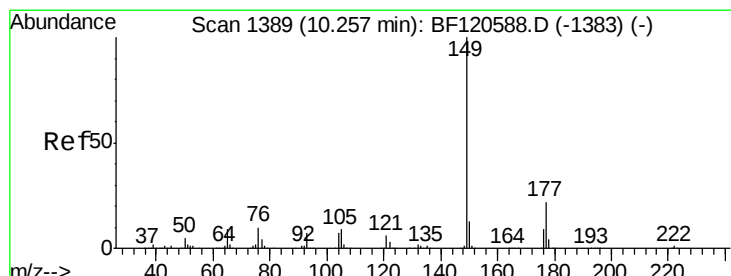
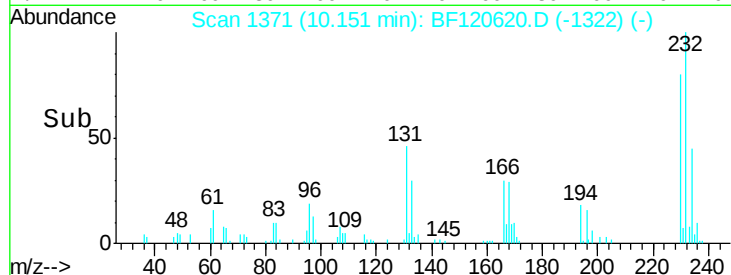
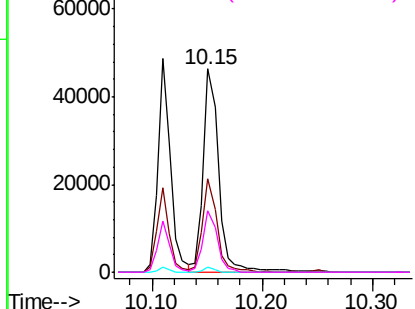
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.594 ng
 RT: 10.15 min Scan# 1371
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Tot Ion:232 Resp: 44727
 Ion Ratio Lower Upper
 232 100
 131 42.3 33.5 50.3
 130 1.7 1.5 2.3
 166 27.3 23.4 35.0

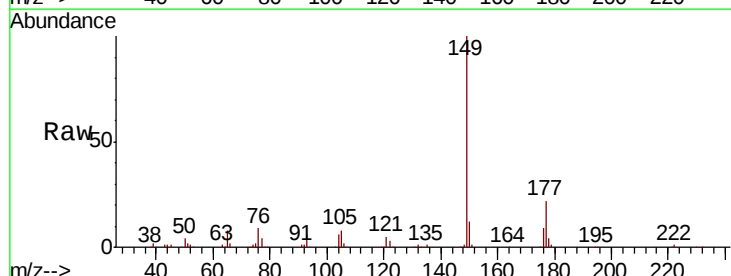


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

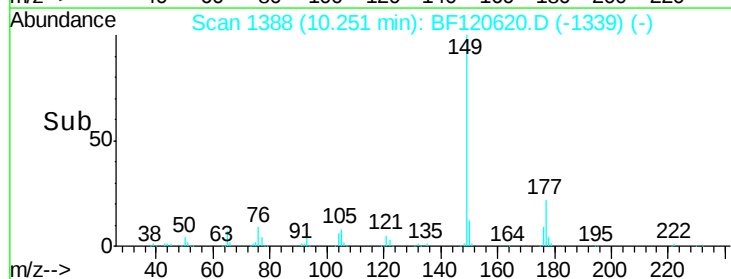
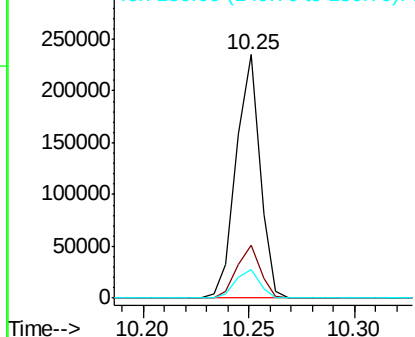


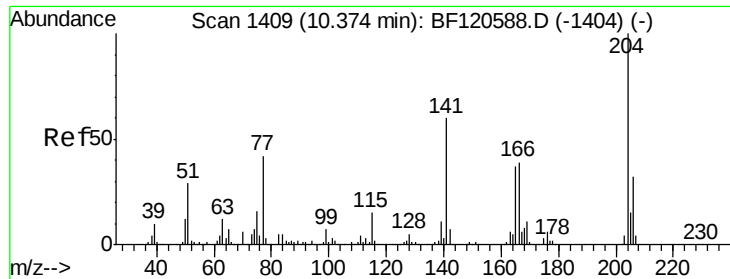
#60
 Diethylphthalate
 Concen: 8.260 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Tgt Ion:149 Resp: 182531
 Ion Ratio Lower Upper
 149 100
 177 21.8 17.3 25.9
 150 11.9 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

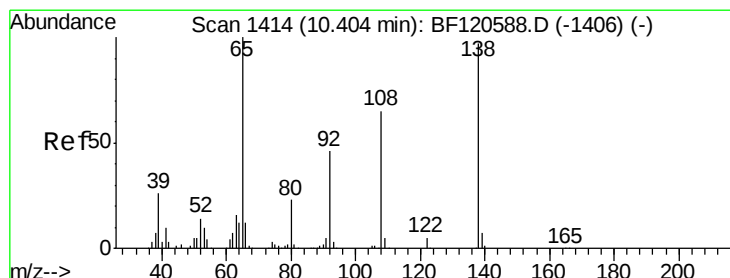
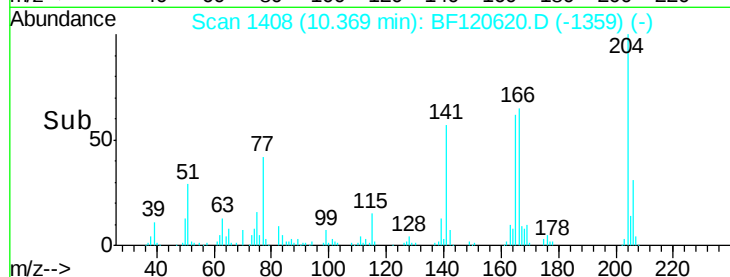
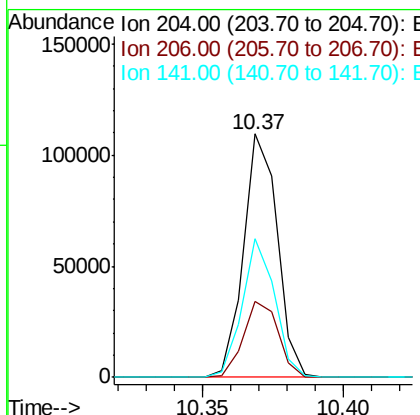
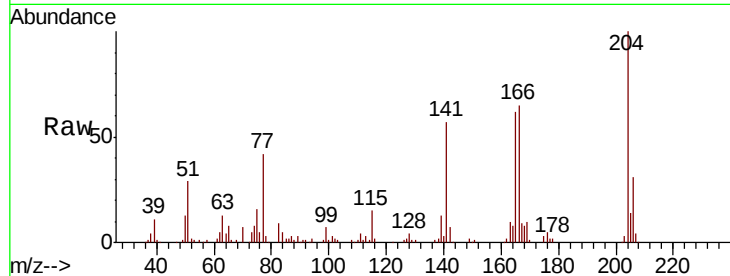




#61
4-Chlorophenyl-phenylether
Concen: 8.504 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

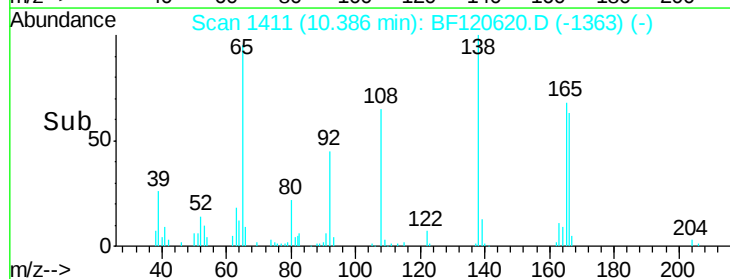
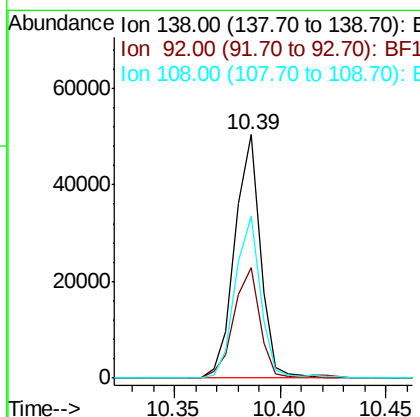
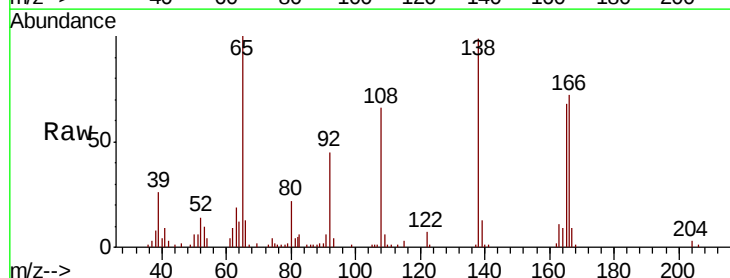
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

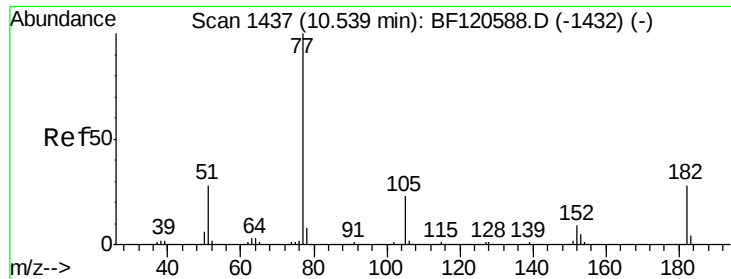
Tot Ion	Ratio	Lower	Upper
204	100		
206	31.4	25.9	38.9
141	57.2	47.6	71.4



#62
4-Nitroaniline
Concen: 6.983 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.02 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
138	100		
92	45.4	27.3	67.3
108	66.6	47.4	87.4





#63

Azobenzene

Concen: 8.723 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion: 77 Resp: 174972

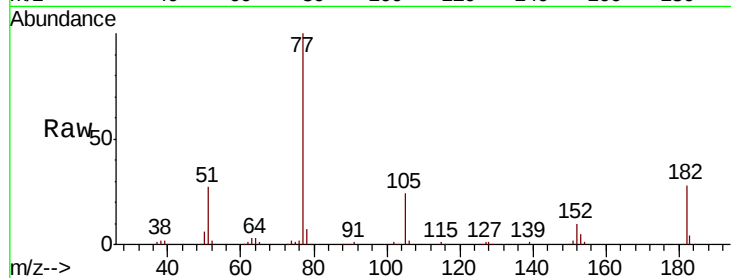
Ion Ratio Lower Upper

77 100

182 28.3 7.7 47.7

105 23.7 3.2 43.2

51 26.8 8.5 48.5

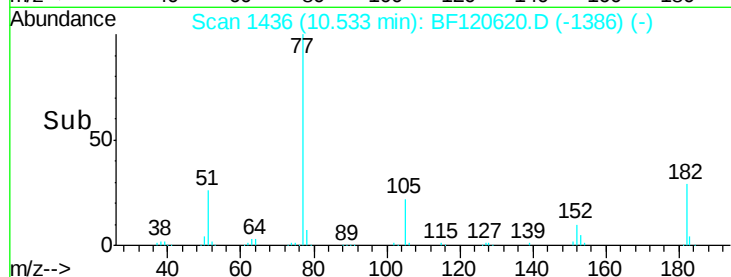


Abundance Ion 77.00 (76.70 to 77.70): BF1

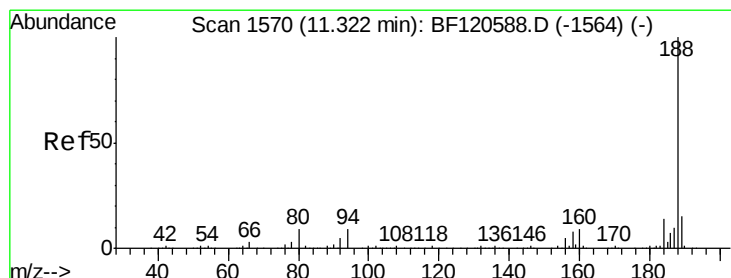
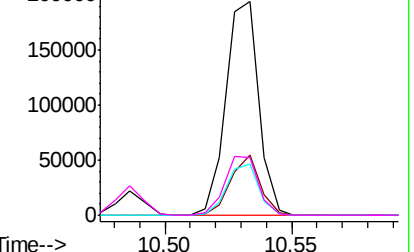
Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

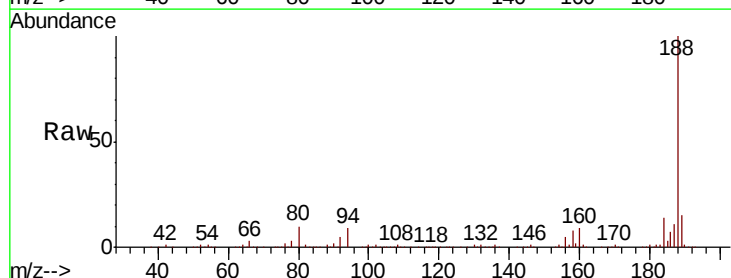
Tgt Ion: 188 Resp: 598492

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

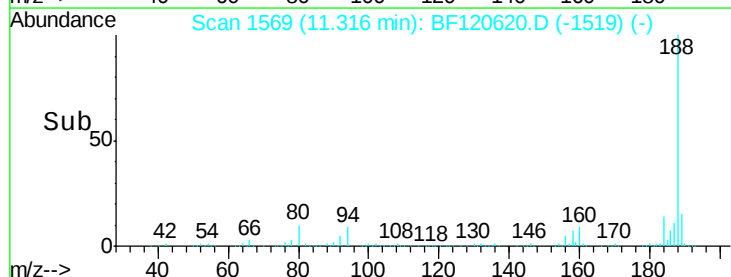
80 9.5 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): BF1

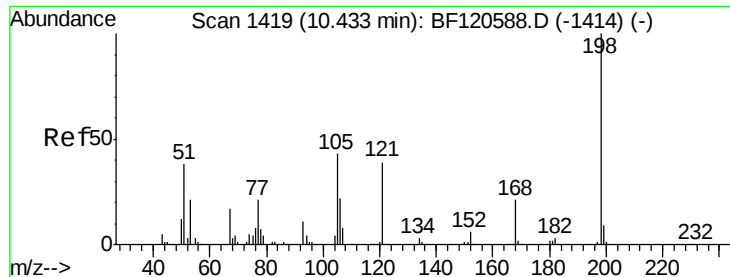
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->

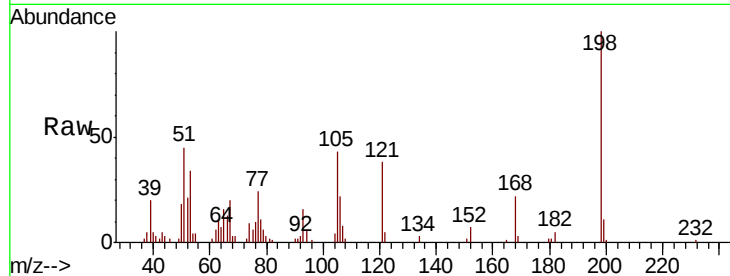




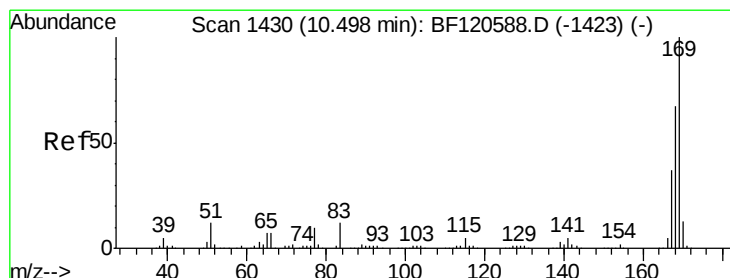
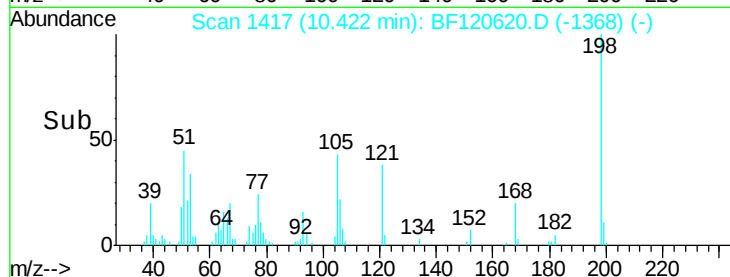
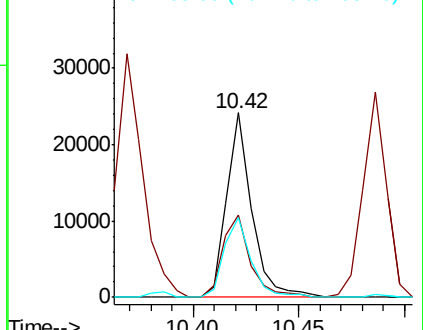
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.542 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Tot Ion:198 Resp: 19904
 Ion Ratio Lower Upper
 198 100
 51 44.6 24.8 64.8
 105 43.2 23.9 63.9

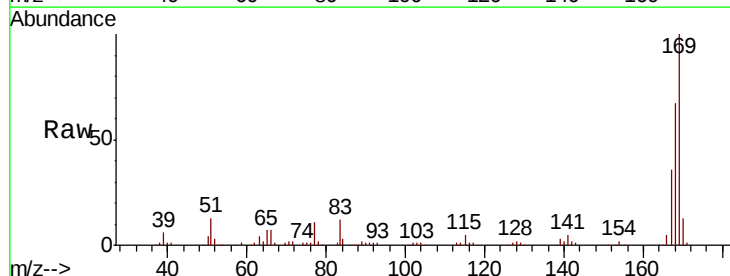


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

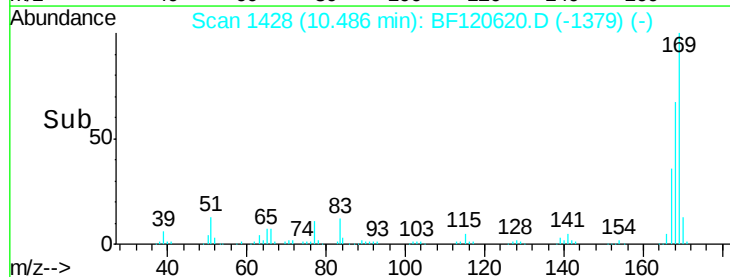
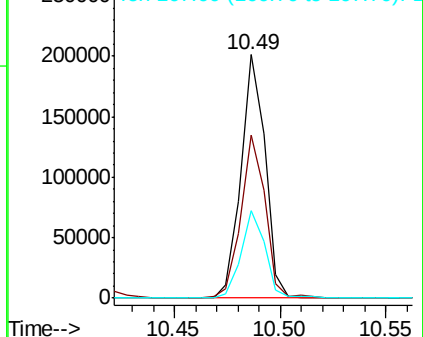


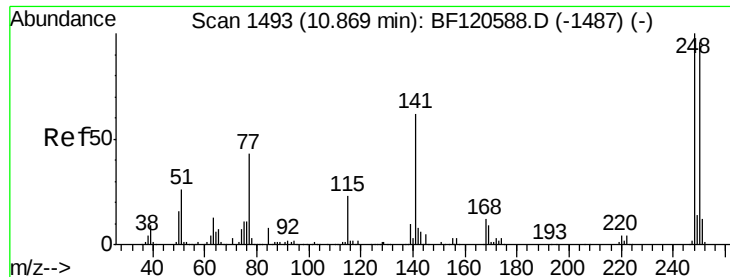
#66
 n-Nitrosodiphenylamine
 Concen: 8.662 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Tgt Ion:169 Resp: 159209
 Ion Ratio Lower Upper
 169 100
 168 66.9 53.7 80.5
 167 36.2 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

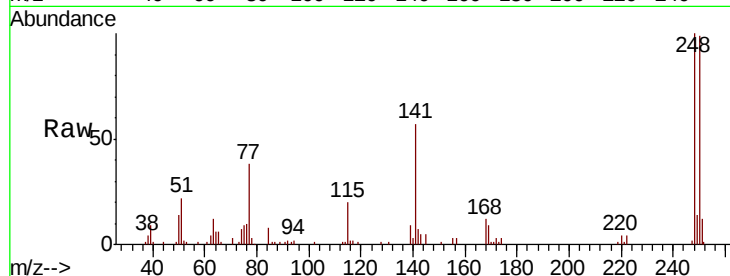




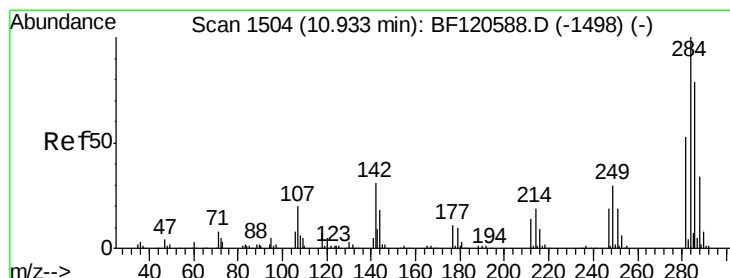
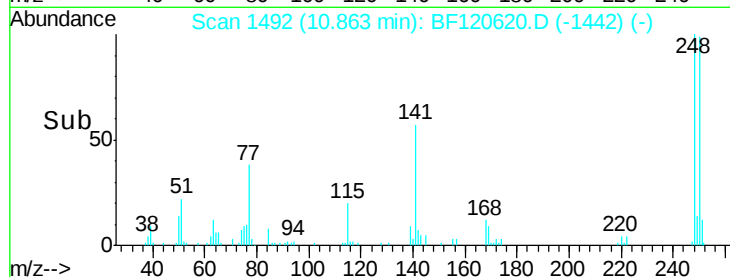
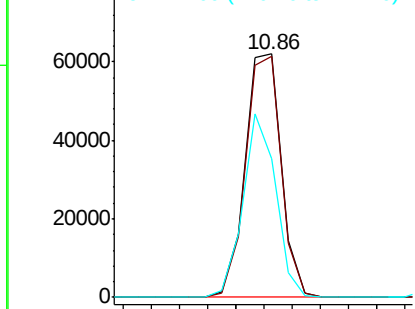
#67
4-Bromophenyl-phenylether
Concen: 8.098 ng
RT: 10.86 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:248 Resp: 55002
Ion Ratio Lower Upper
248 100
250 98.9 76.7 115.1
141 57.0 49.4 74.0

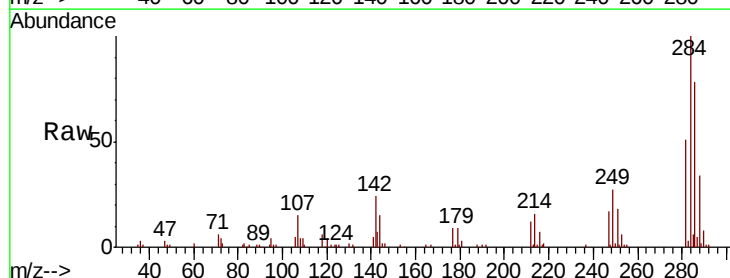


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

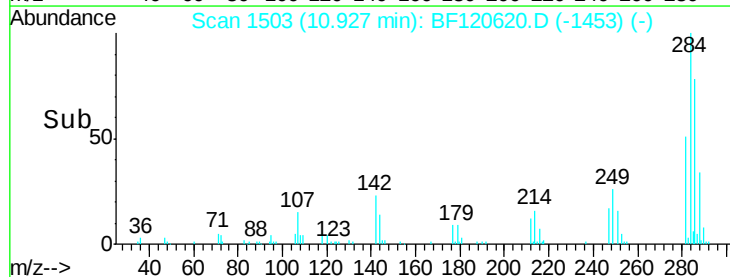
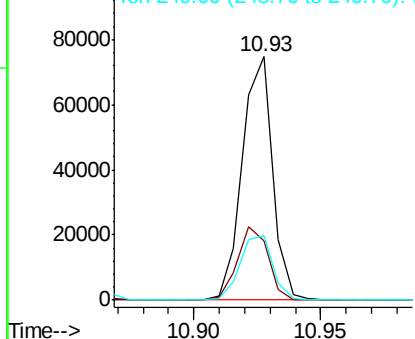


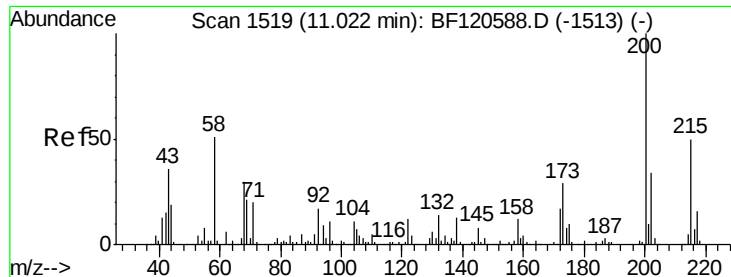
#68
Hexachlorobenzene
Concen: 8.502 ng
RT: 10.93 min Scan# 1503
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion:284 Resp: 62086
Ion Ratio Lower Upper
284 100
142 24.3 25.1 37.7#
249 26.7 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: 9.180 ng

RT: 11.01 min Scan# 1517

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

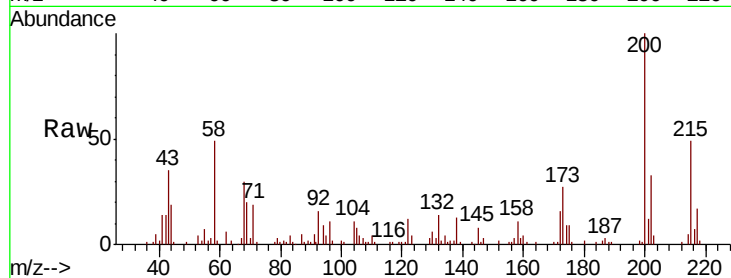
Tot Ion:200 Resp: 52208

Ion Ratio Lower Upper

200 100

173 27.3 9.1 49.1

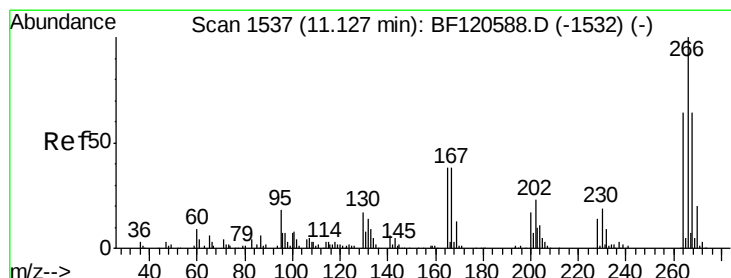
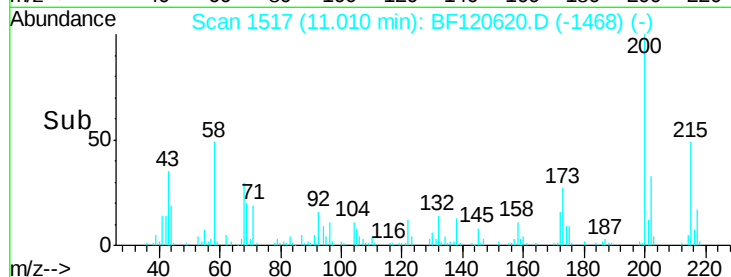
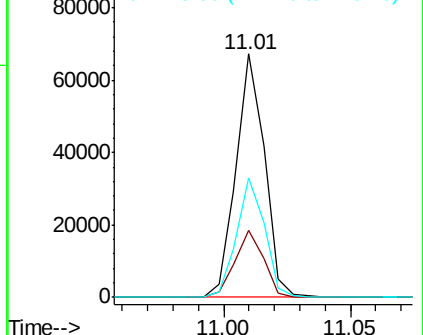
215 49.0 29.8 69.8



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: 5.398 ng

RT: 11.12 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

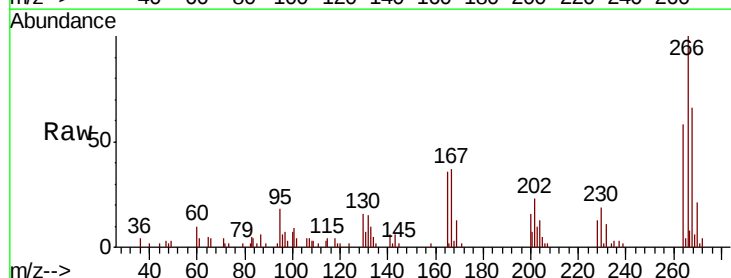
Tgt Ion:266 Resp: 21918

Ion Ratio Lower Upper

266 100

268 66.1 51.4 77.0

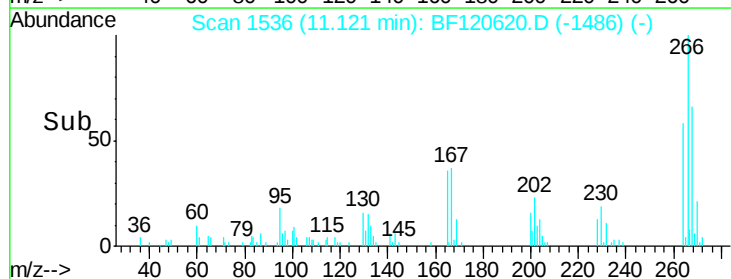
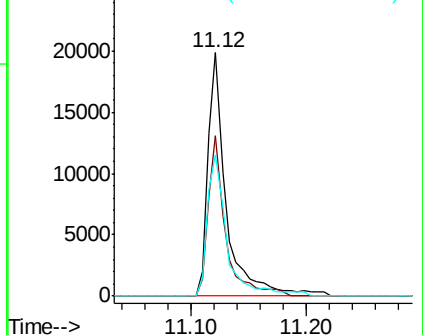
264 58.0 50.8 76.2

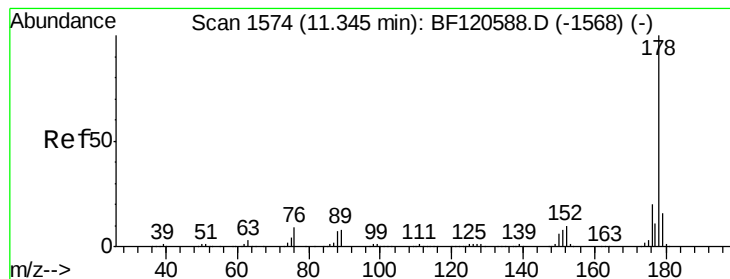


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 8.874 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

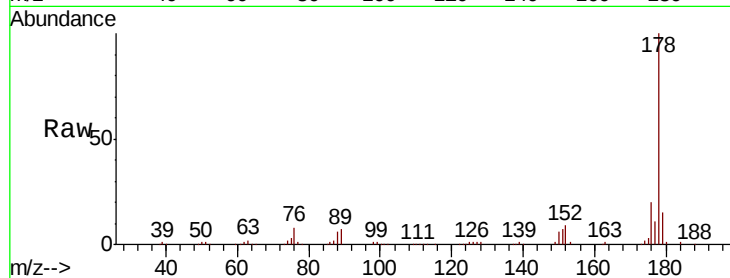
Tot Ion:178 Resp: 264002

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

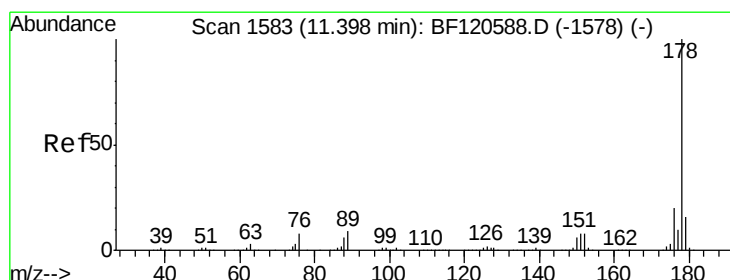
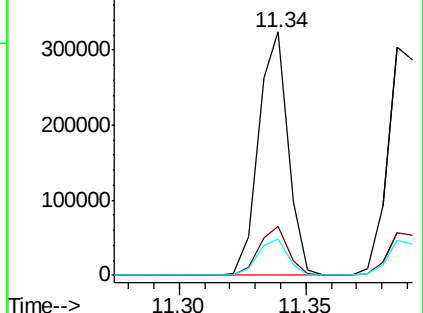
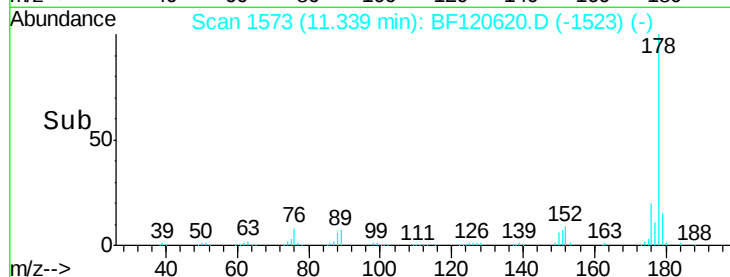
179 15.1 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 9.037 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

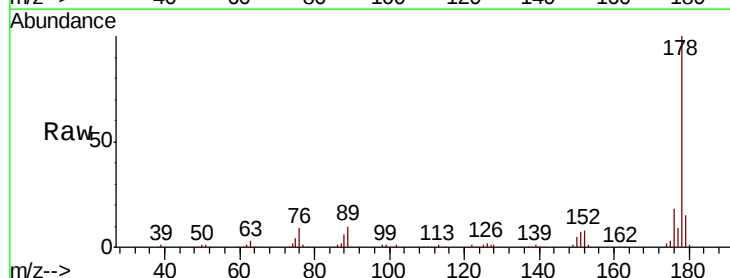
Tgt Ion:178 Resp: 271016

Ion Ratio Lower Upper

178 100

176 18.4 15.6 23.4

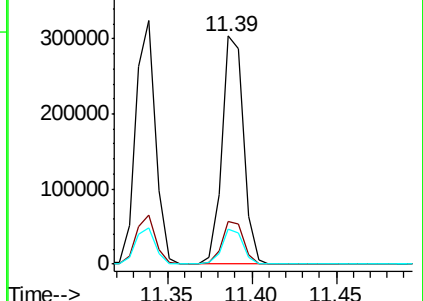
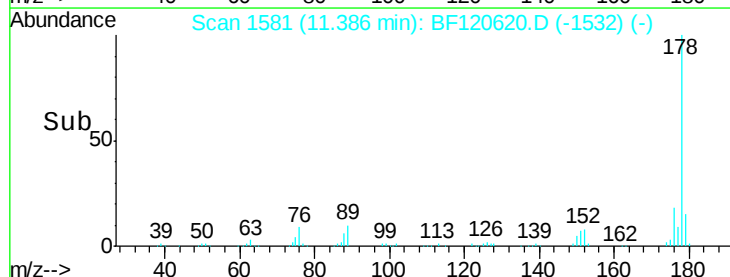
179 15.4 12.9 19.3

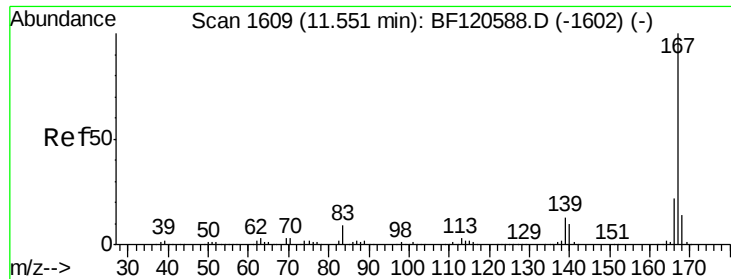


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

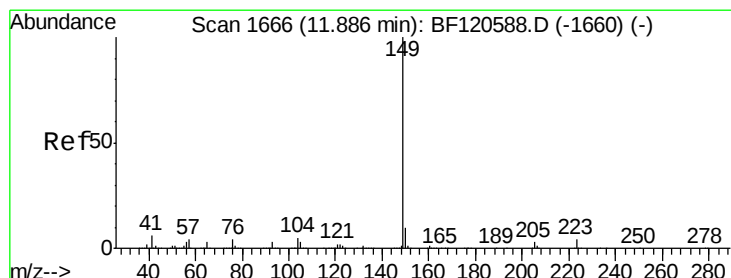
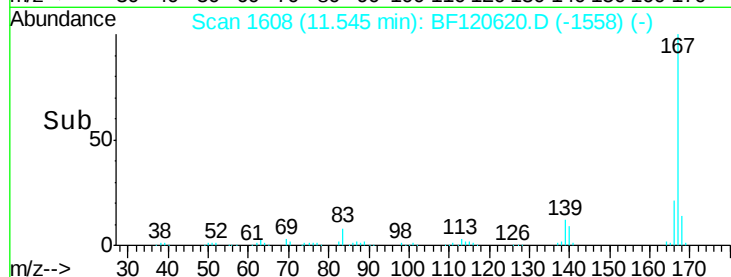
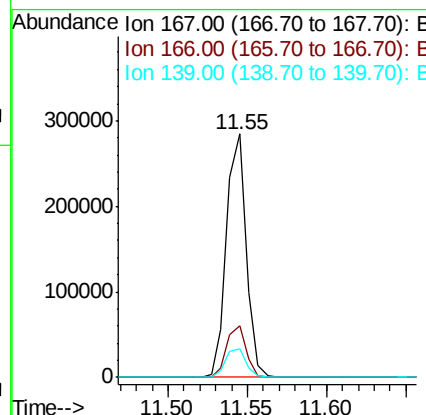
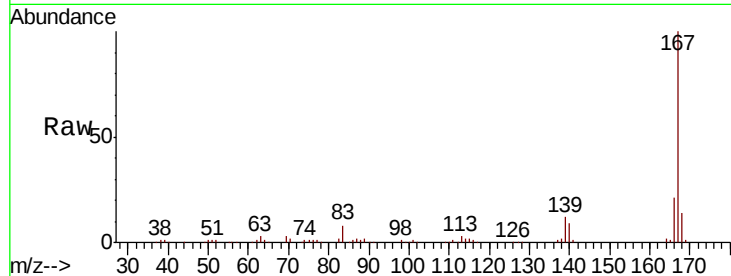




#73
 Carbazole
 Concen: 8.295 ng
 RT: 11.55 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

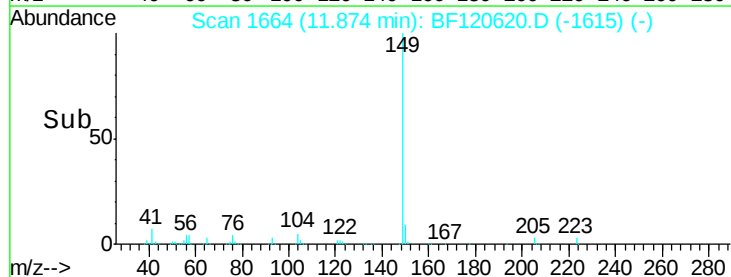
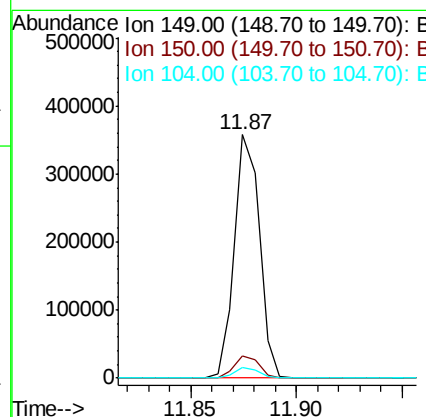
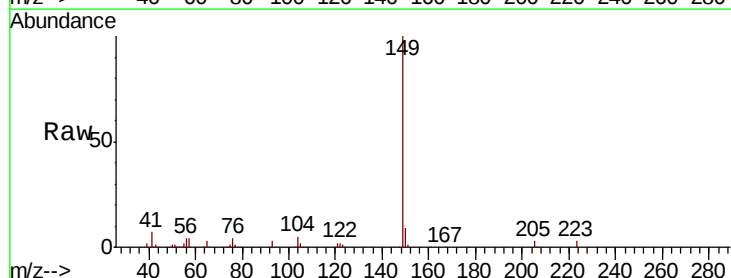
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

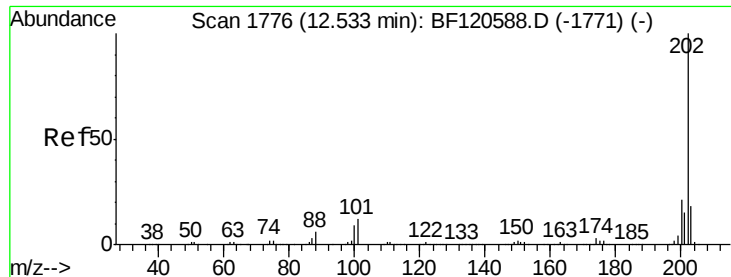
Tot Ion:167 Resp: 246227
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.2 25.8
 139 11.7 10.1 15.1



#74
 Di-n-butylphthalate
 Concen: 8.731 ng
 RT: 11.87 min Scan# 1664
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Tgt Ion:149 Resp: 291383
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.7 11.5
 104 4.6 3.7 5.5

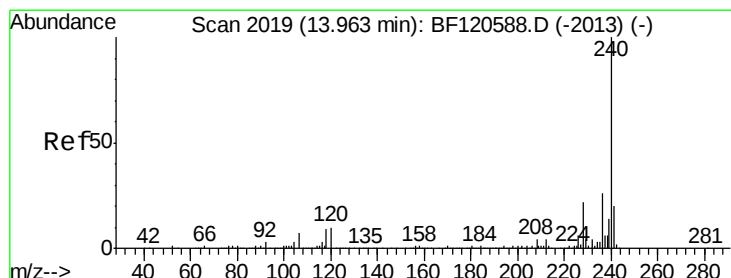
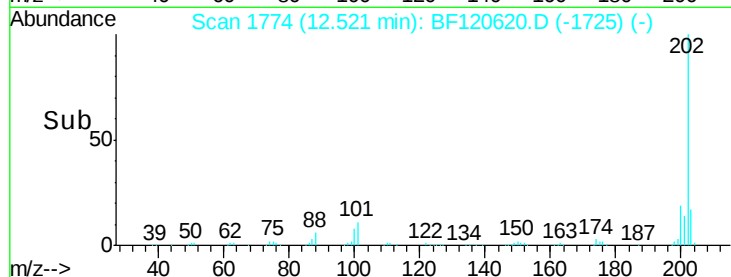
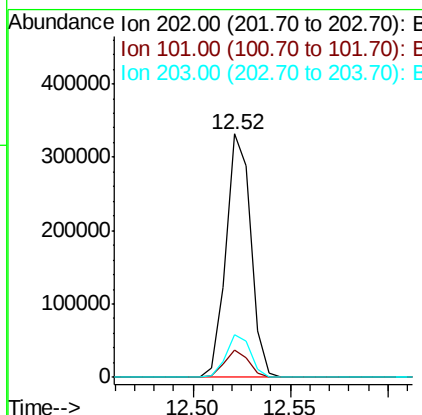
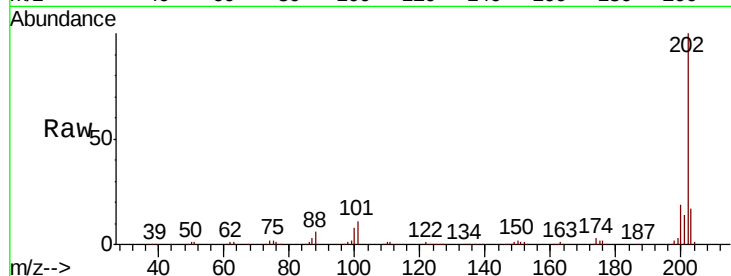




#75
Fluoranthene
Concen: 8.574 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

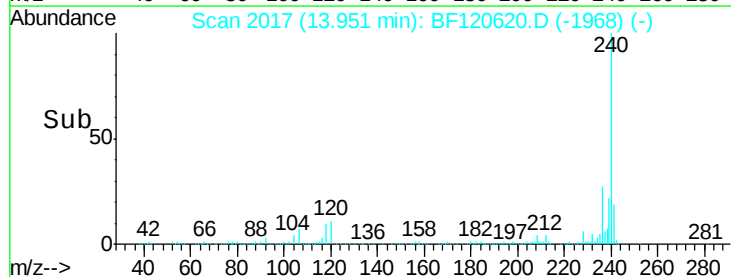
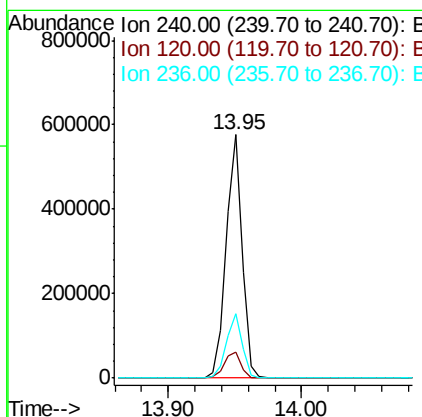
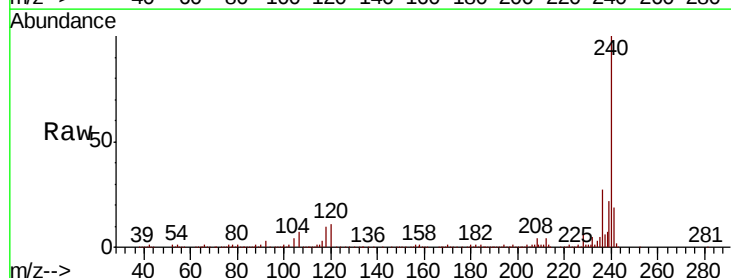
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

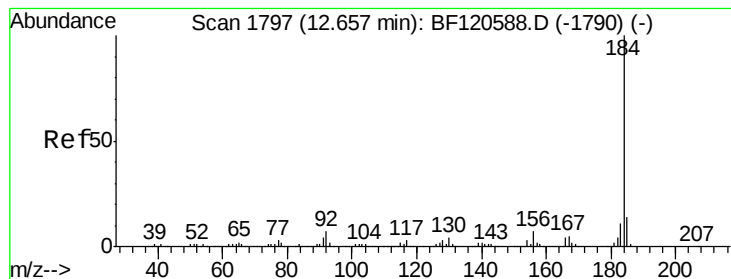
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	32.0
203	17.5	0.0	38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.3	12.5
236	26.6	21.0	31.4





#77

Benzidine

Concen: 8.532 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

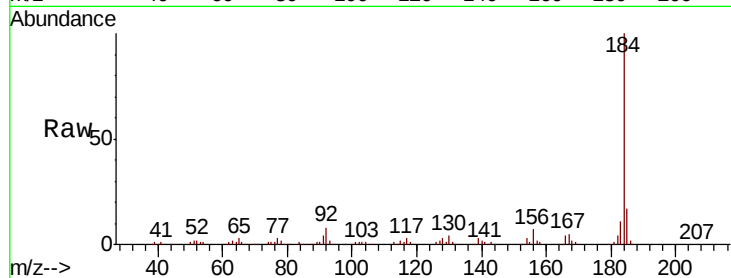
Tot Ion:184 Resp: 141211

Ion Ratio Lower Upper

184 100

185 17.2 11.4 17.0#

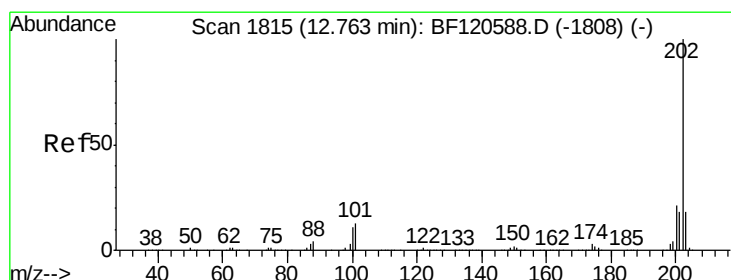
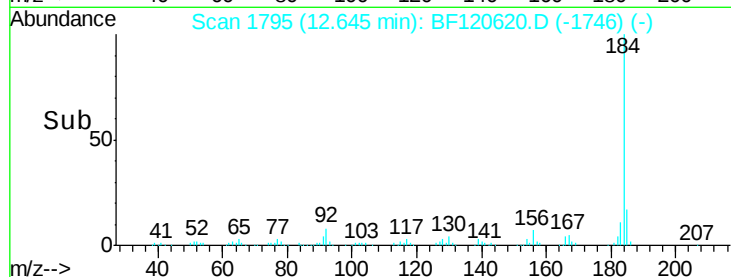
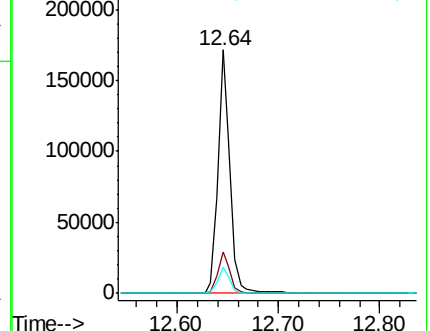
183 10.6 9.0 13.6



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: 8.669 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

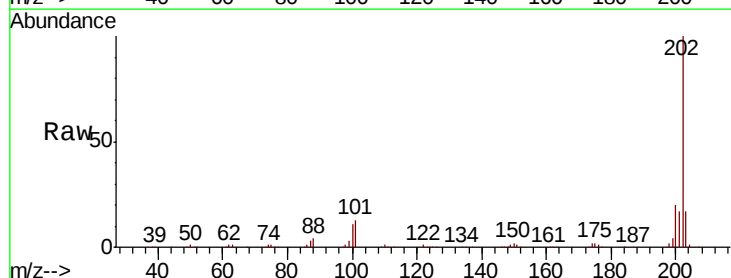
Tgt Ion:202 Resp: 300561

Ion Ratio Lower Upper

202 100

200 19.9 16.8 25.2

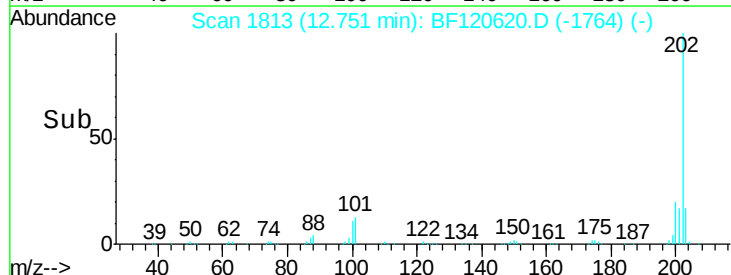
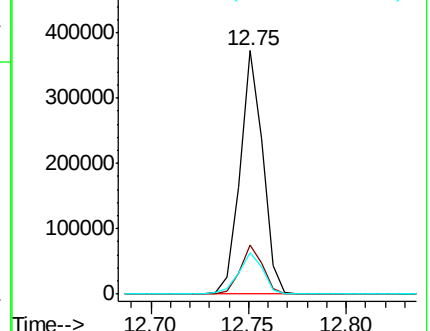
203 17.0 14.3 21.5

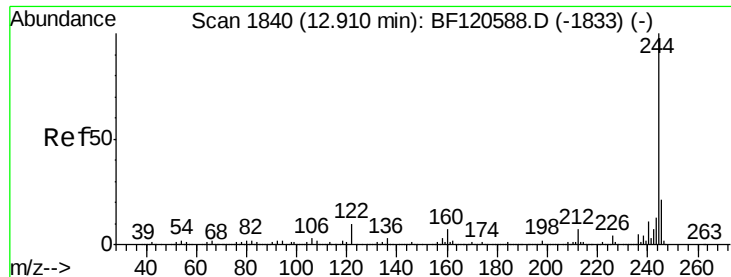


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 100.405 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

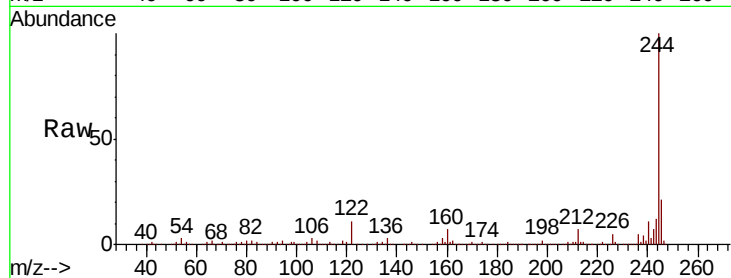
Tot Ion:244 Resp: 2224590

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 10.8 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

12.90

2500000

2000000

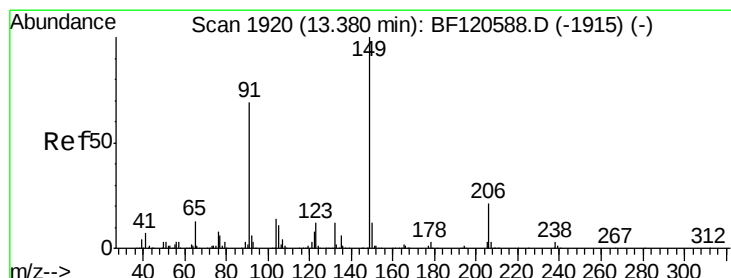
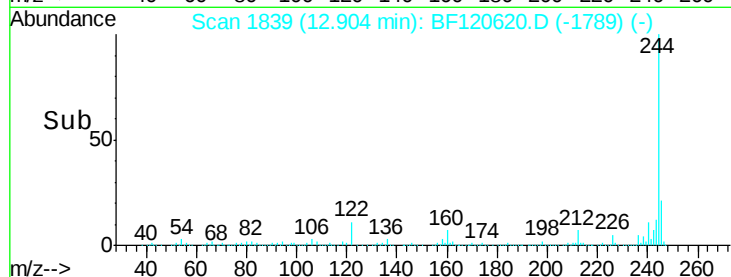
1500000

1000000

500000

0

Time-->



#80

Butylbenzylphthalate

Concen: 7.633 ng

RT: 13.37 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

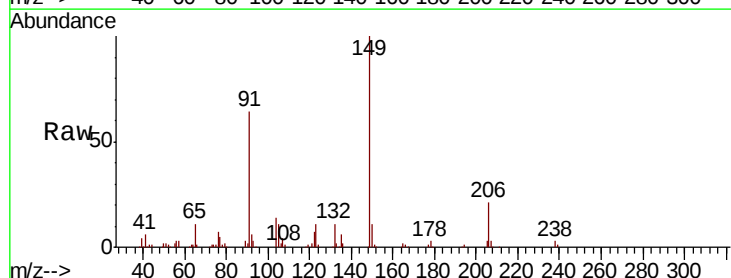
Tgt Ion:149 Resp: 117504

Ion Ratio Lower Upper

149 100

91 63.7 55.4 83.0

206 21.0 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

13.37

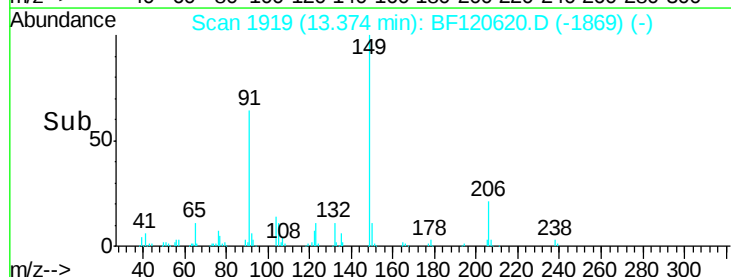
150000

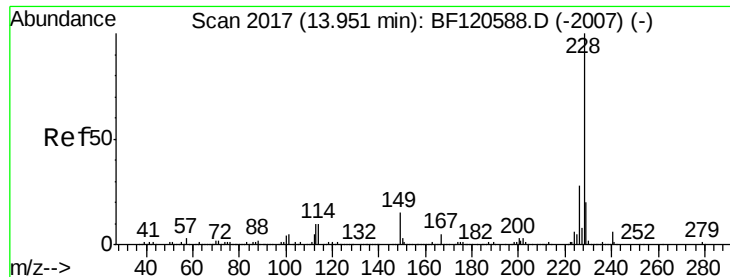
100000

50000

0

Time-->





#81

Benzo(a)anthracene

Concen: 9.248 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

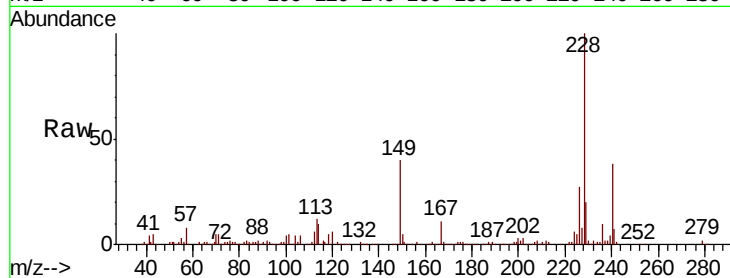
Tot Ion:228 Resp: 271928

Ion Ratio Lower Upper

228 100

226 26.6 22.5 33.7

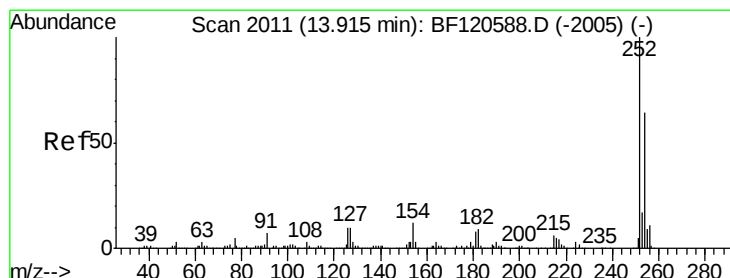
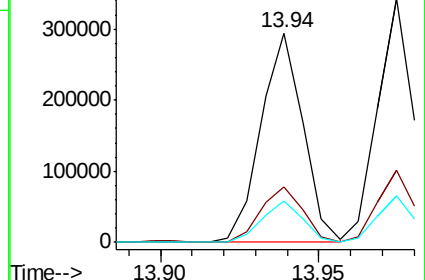
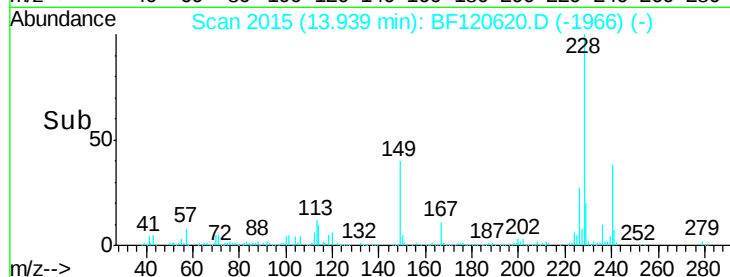
229 20.0 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 9.529 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

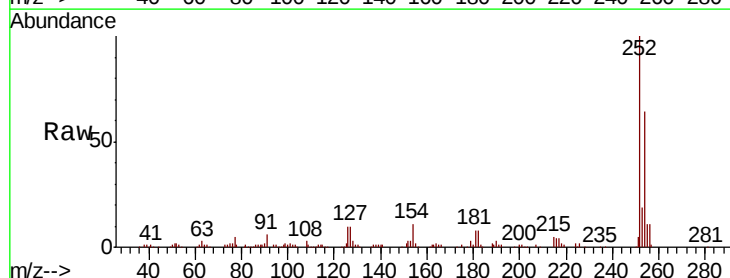
Tgt Ion:252 Resp: 107024

Ion Ratio Lower Upper

252 100

254 64.0 51.4 77.2

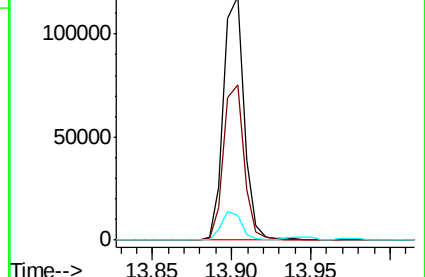
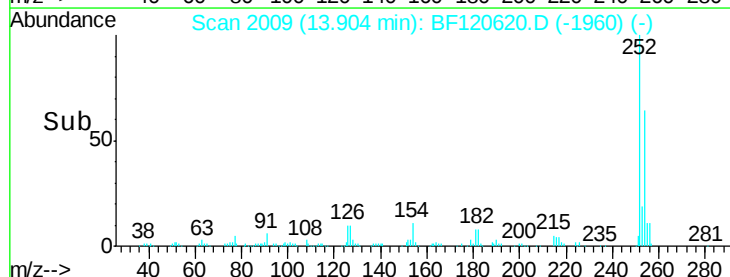
126 10.0 7.9 11.9

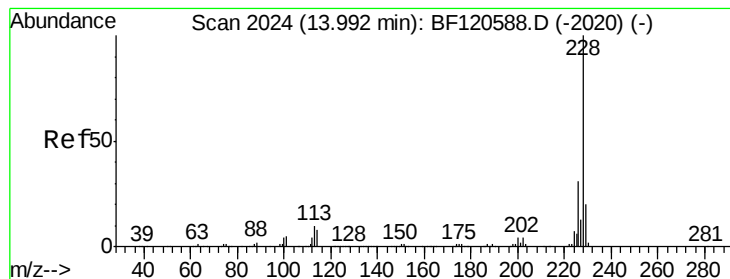


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 8.908 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

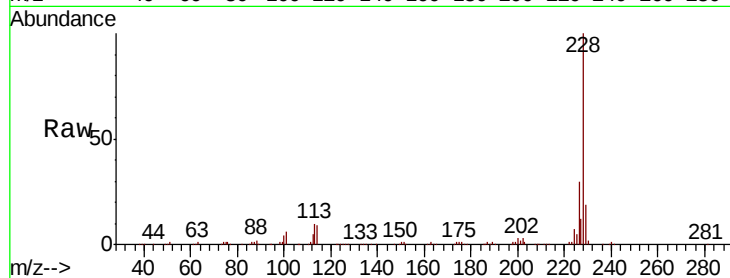
Tot Ion:228 Resp: 268661

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

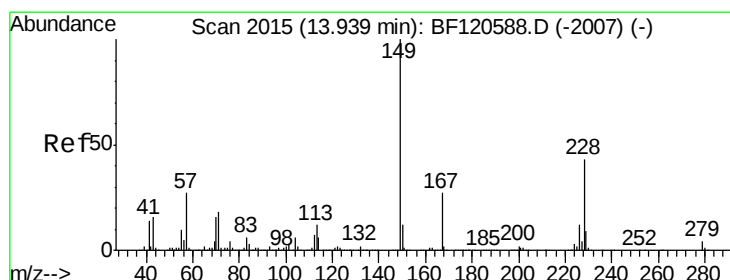
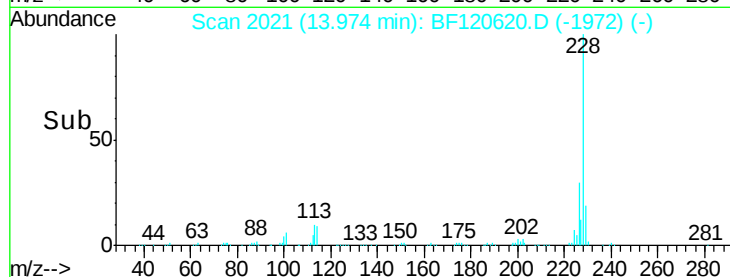
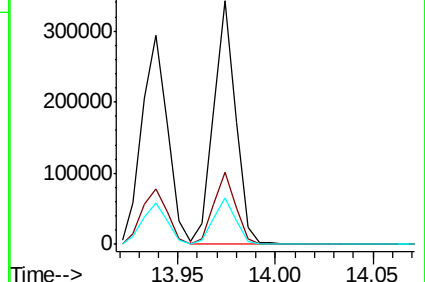
229 18.9 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.063 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

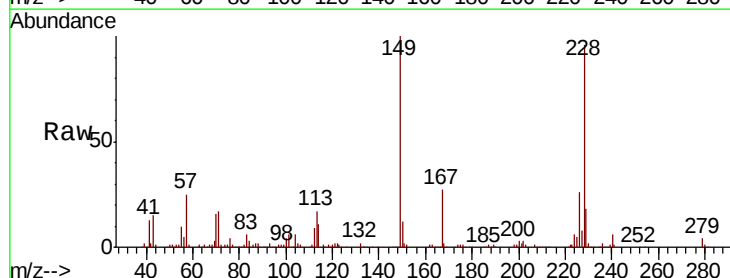
Tgt Ion:149 Resp: 170274

Ion Ratio Lower Upper

149 100

167 27.5 22.0 33.0

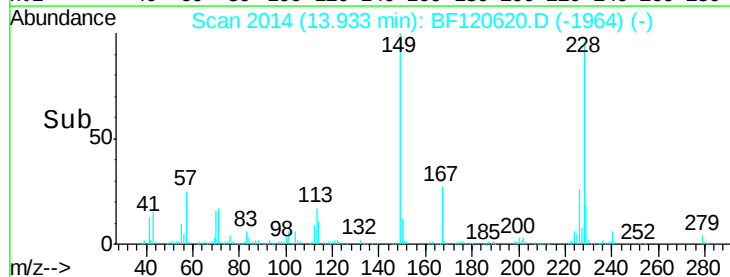
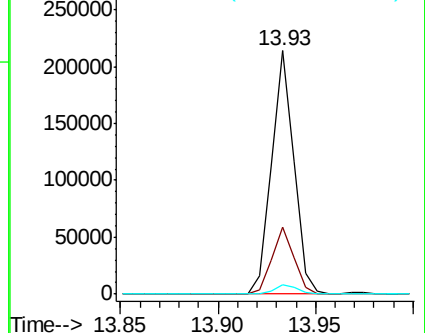
279 3.7 3.0 4.6

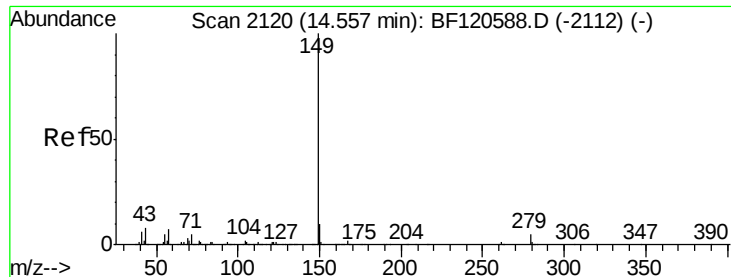


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

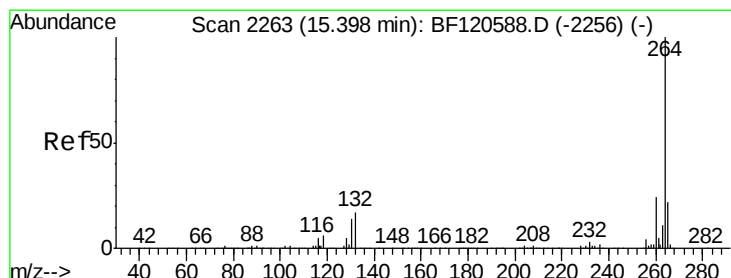
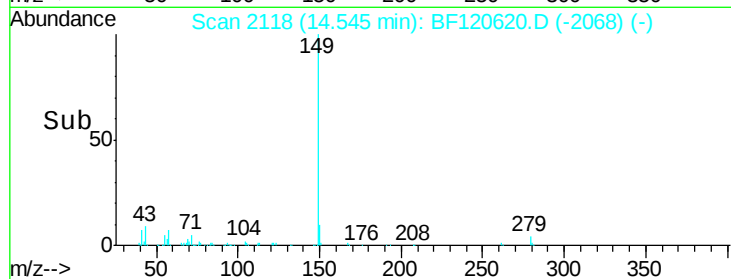
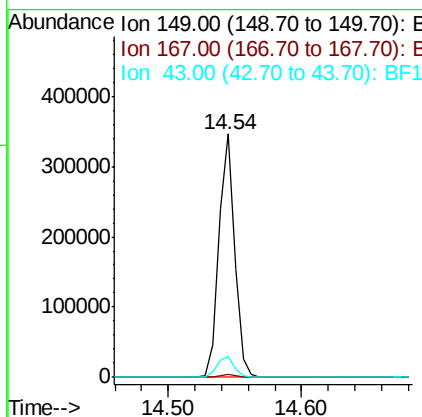
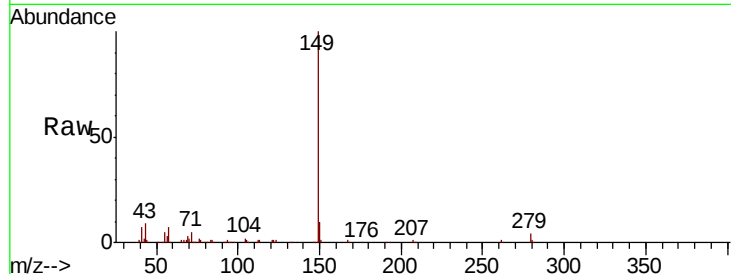




#85
Di-n-octyl phthalate
Concen: 8.098 ng
RT: 14.54 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

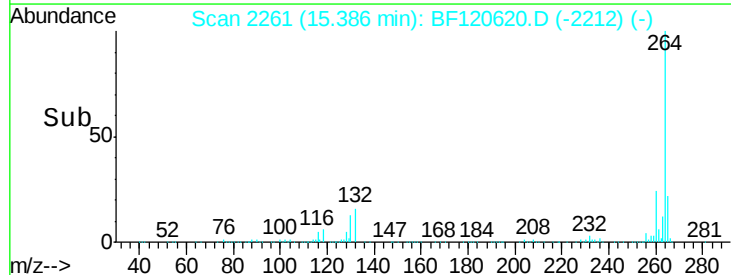
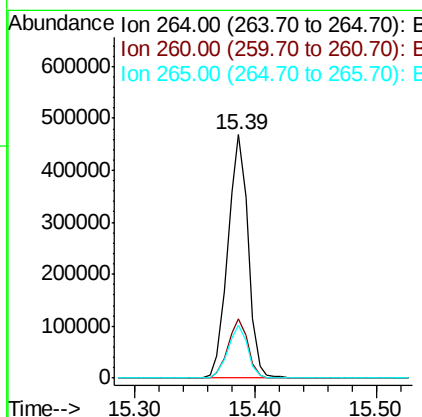
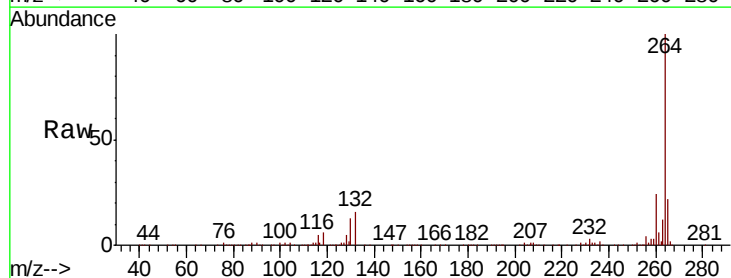
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

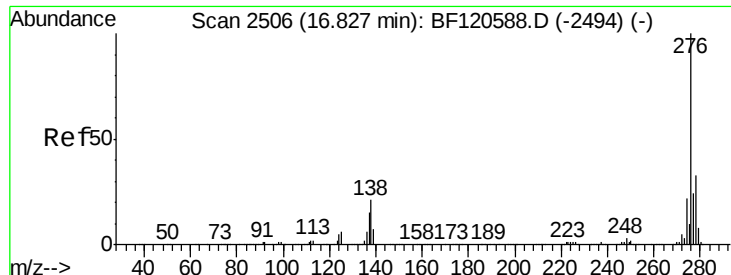
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.3	1.9
43	9.7	7.6	11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.3	28.9
265	21.6	17.8	26.8

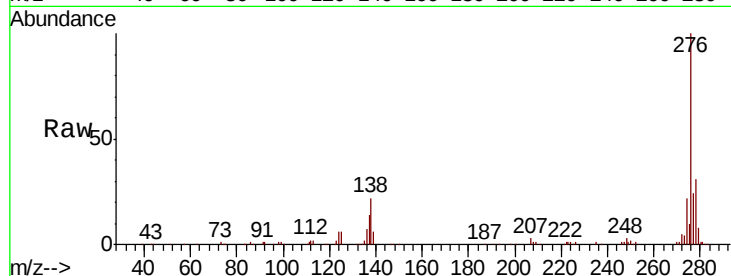




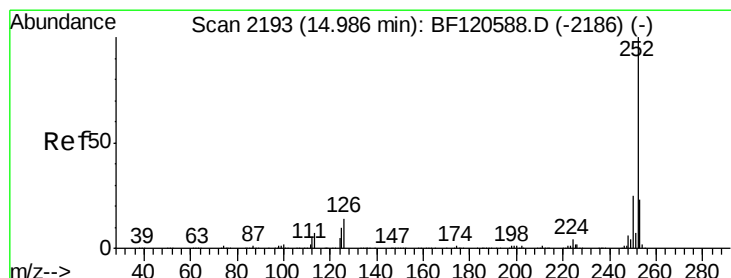
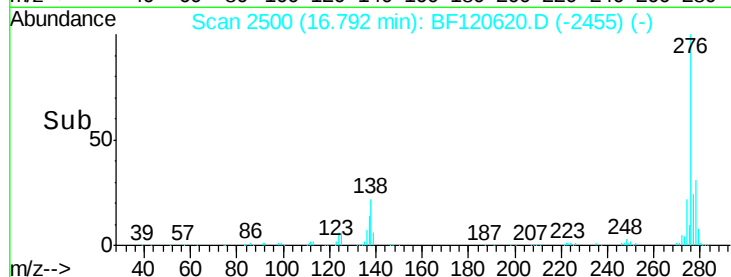
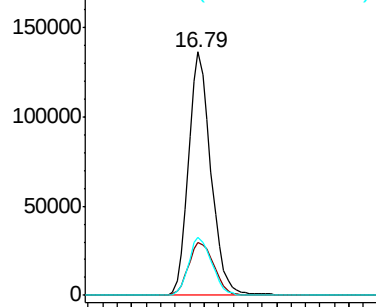
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.852 ng
 RT: 16.79 min Scan# 2500
 Delta R.T. -0.04 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.6	18.9	28.3
277	24.8	20.2	30.2

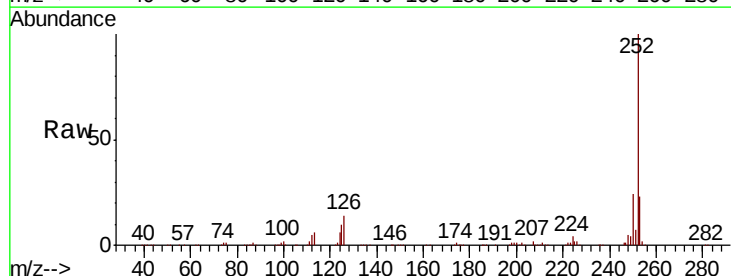


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

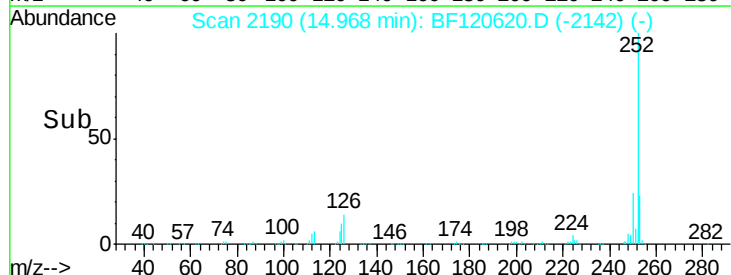
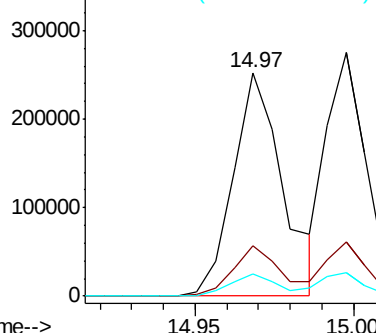


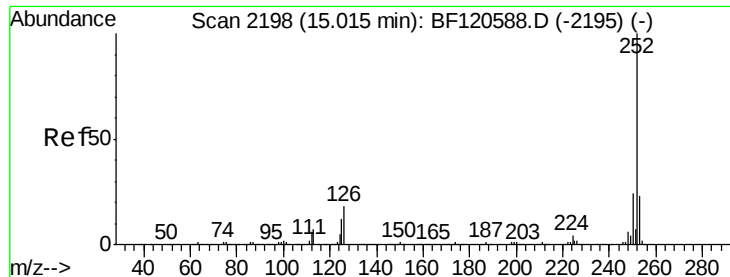
#88
 Benzo(b)fluoranthene
 Concen: 8.430 ng
 RT: 14.97 min Scan# 2190
 Delta R.T. -0.02 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	9.9	8.3	12.5



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

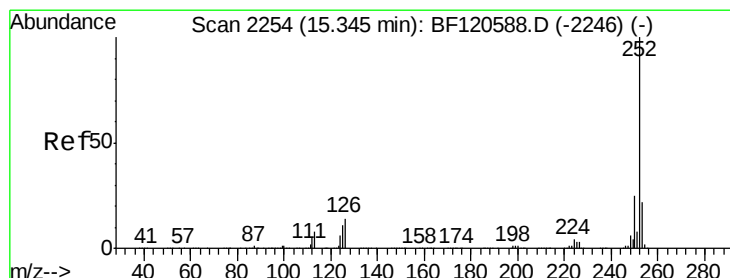
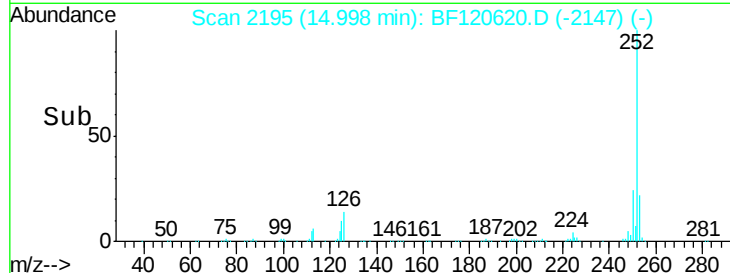
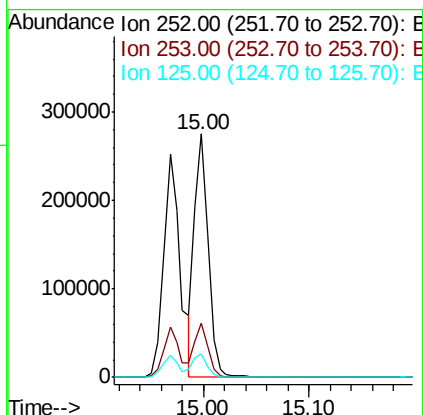
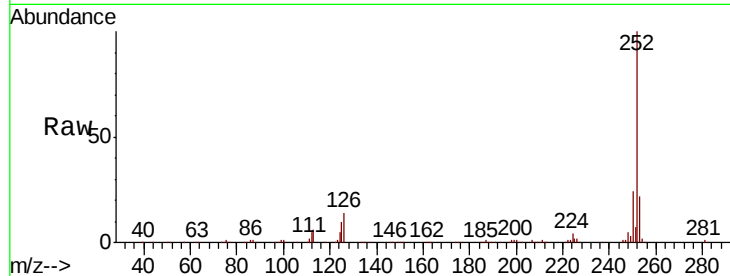




#89
Benzo(k)fluoranthene
Concen: 8.550 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

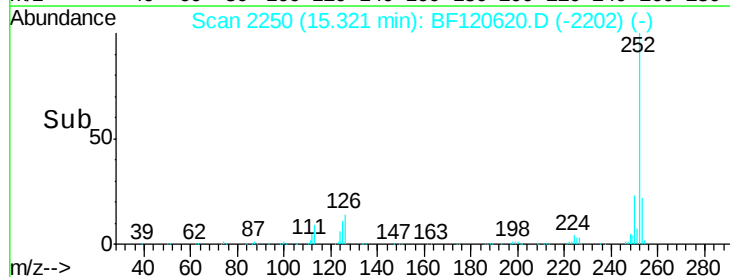
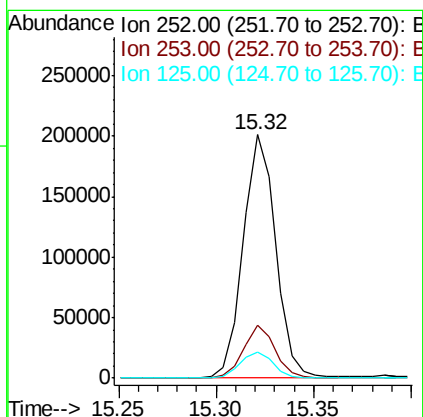
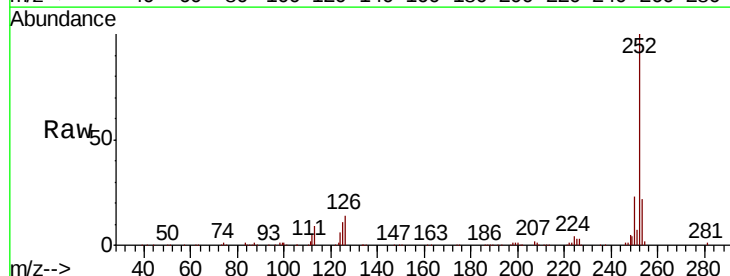
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

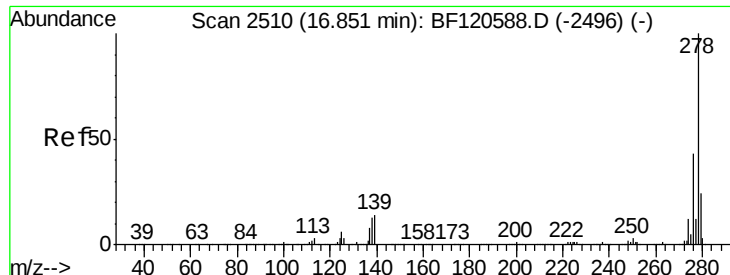
Tot Ion:252 Resp: 246281
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 9.6 8.3 12.5



#90
Benzo(a)pyrene
Concen: 7.988 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.02 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion:252 Resp: 232705
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 10.9 8.6 12.8

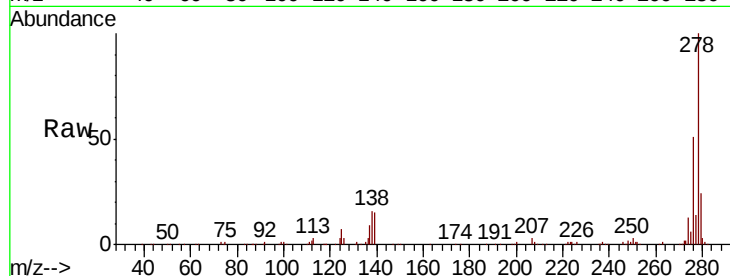




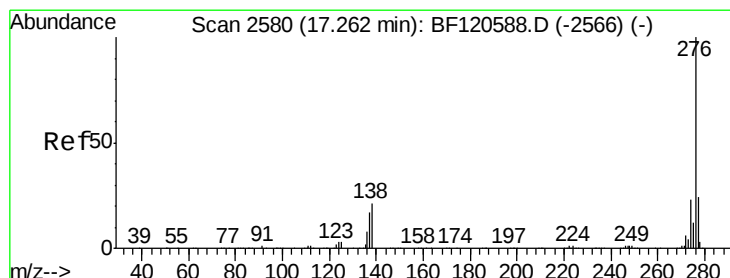
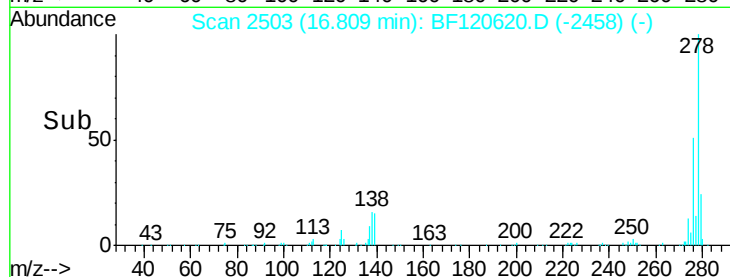
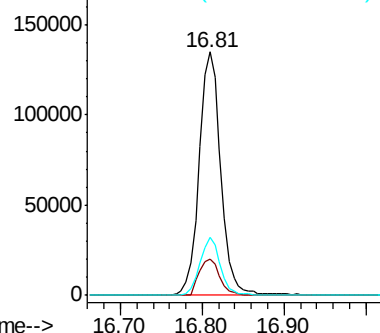
#91
Dibenzo(a,h)anthracene
Concen: 9.329 ng
RT: 16.81 min Scan# 2503
Delta R.T. -0.04 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:278 Resp: 248675
Ion Ratio Lower Upper
278 100
139 15.1 11.4 17.2
279 23.9 19.1 28.7

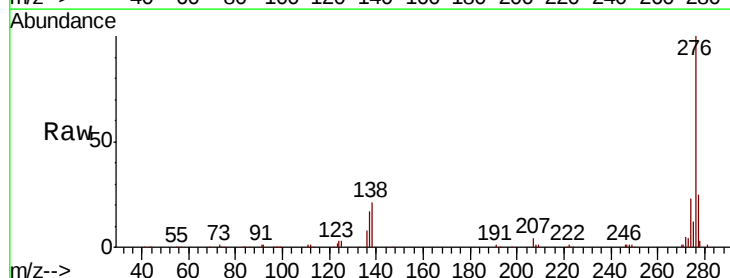


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 9.313 ng
RT: 17.22 min Scan# 2572
Delta R.T. -0.04 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion:276 Resp: 250227
Ion Ratio Lower Upper
276 100
277 24.8 19.6 29.4
138 21.3 16.5 24.7



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

