

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
 Data File : BF120822.D
 Acq On : 10 Jul 2020 10:14
 Operator : JU/CG
 Sample : L3216-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Quant Time: Jul 10 11:14:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	140065	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	523765	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	256173	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	441700	20.00	ng	0.00
76) Chrysene-d12	14.00	240	322836	20.00	ng	0.00
86) Perylene-d12	15.46	264	267450	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	834928	92.02	ng	0.00
7) Phenol-d6	6.47	99	1065589	91.96	ng	0.00
23) Nitrobenzene-d5	7.41	82	714439	79.03	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	248308	96.48	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1278956	75.53	ng	0.00
79) Terphenyl-d14	12.95	244	1035539	62.80	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	32103	7.745	ng	99
3) Pyridine	3.36	79	59001	5.197	ng	98
4) n-Nitrosodimethylamine	3.26	42	35812	6.305	ng	98
6) Aniline	6.50	93	104854	7.046	ng	99
8) 2-Chlorophenol	6.63	128	67721	7.010	ng	94
9) Benzaldehyde	6.39	77	59314	8.607	ng	97
10) Phenol	6.48	94	85318	7.158	ng	96
11) bis(2-Chloroethyl)ether	6.58	93	66223	6.827	ng	99
12) 1,3-Dichlorobenzene	6.79	146	75241	7.076	ng	99
13) 1,4-Dichlorobenzene	6.86	146	76286	7.163	ng	99
14) 1,2-Dichlorobenzene	7.02	146	71916	7.098	ng	99
15) Benzyl Alcohol	6.98	79	66089	7.591	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.12	45	99464	6.574	ng	98
17) 2-Methylphenol	7.09	107	52775	6.107	ng	98
18) Hexachloroethane	7.36	117	27096	6.769	ng	95
19) n-Nitroso-di-n-propylamine	7.25	70	46362	6.645	ng	97
20) 3+4-Methylphenols	7.24	107	68029	6.391	ng	94
22) Acetophenone	7.25	105	100713	7.736	ng	96
24) Nitrobenzene	7.42	77	75417	7.430	ng	94
25) Isophorone	7.66	82	123360	6.328	ng	98
26) 2-Nitrophenol	7.74	139	21935	5.912	ng	93
27) 2,4-Dimethylphenol	7.77	122	54802	7.042	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	79993	6.933	ng	98
29) 2,4-Dichlorophenol	7.97	162	49682	6.395	ng	95
30) 1,2,4-Trichlorobenzene	8.07	180	59816	6.855	ng	98
31) Naphthalene	8.15	128	199606	7.131	ng	98
32) Benzoic acid	7.83	122	16096	3.822	ng	94
33) 4-Chloroaniline	8.19	127	76800	6.466	ng	95
34) Hexachlorobutadiene	8.27	225	34329	6.541	ng	98
35) Caprolactam	8.52	113	12427	5.489	ng	94
36) 4-Chloro-3-methylphenol	8.67	107	50647	6.267	ng	97
37) 2-Methylnaphthalene	8.84	142	126053	6.927	ng	99
38) 1-Methylnaphthalene	8.94	142	118990	6.981	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	55563	7.177	ng	98

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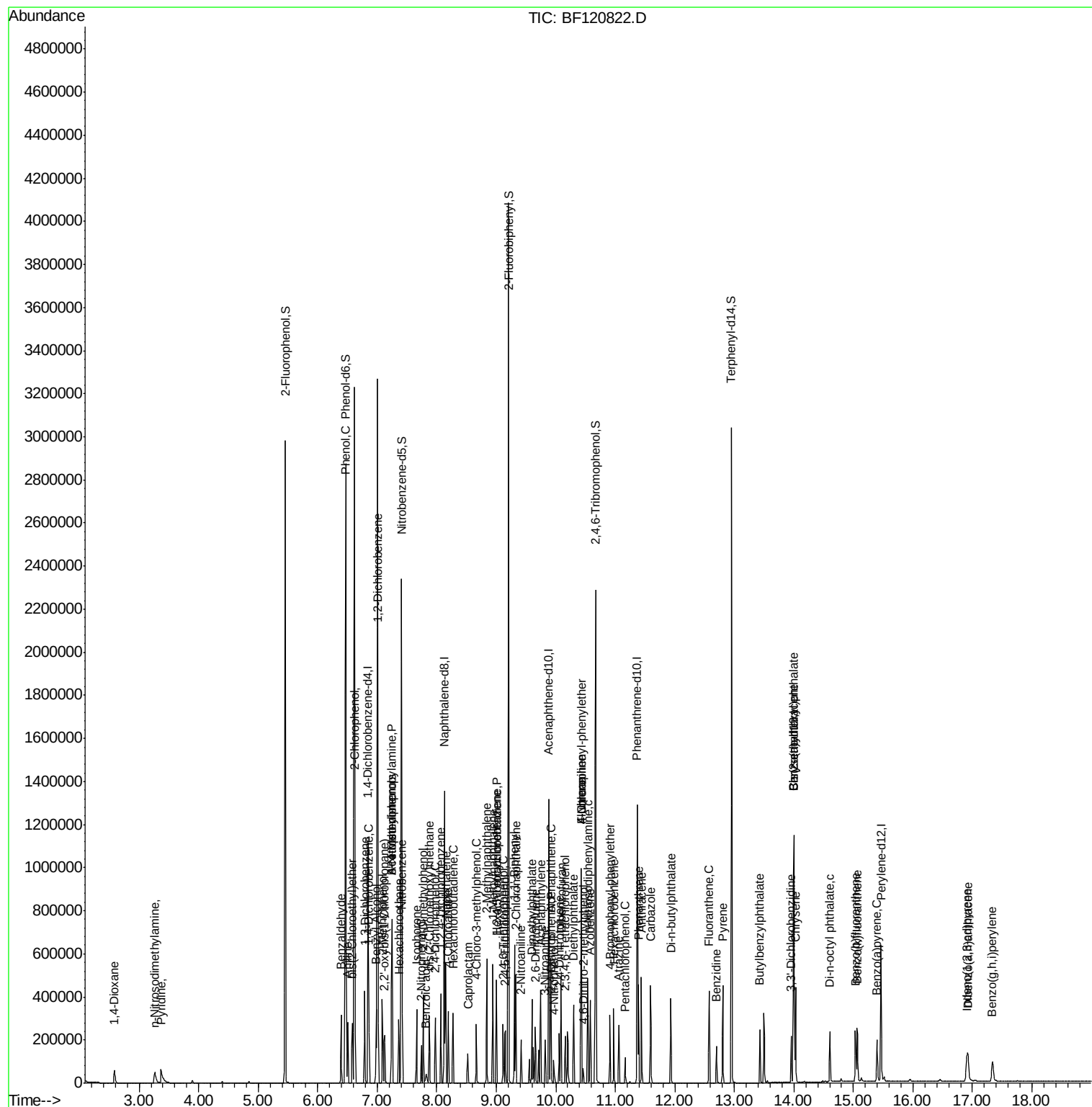
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	25559	5.587	ng	99
43) 2,4,6-Trichlorophenol	9.12	196	29751	5.639	ng	96
44) 2,4,5-Trichlorophenol	9.15	196	32978	5.633	ng	98
46) 1,1'-Biphenyl	9.30	154	156775	7.587	ng	99
47) 2-Chloronaphthalene	9.33	162	112294	6.783	ng	98
48) 2-Nitroaniline	9.42	65	28553	6.446	ng	86
49) Acenaphthylene	9.75	152	179571	6.919	ng	97
50) Dimethylphthalate	9.60	163	122572	6.559	ng	98
51) 2,6-Dinitrotoluene	9.66	165	22300	6.605	ng	89
52) Acenaphthene	9.92	154	106569	6.619	ng	96
53) 3-Nitroaniline	9.83	138	25609	6.140	ng	94
54) 2,4-Dinitrophenol	9.93	184	3167	2.840	ng	# 20
55) Dibenzofuran	10.09	168	160225	6.904	ng	99
56) 4-Nitrophenol	9.97	139	16301	5.321	ng	95
57) 2,4-Dinitrotoluene	10.06	165	25943	6.401	ng	96
58) Fluorene	10.43	166	120218	6.959	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.16	232	22329	5.125	ng	96
60) Diethylphthalate	10.30	149	121414	6.237	ng	97
61) 4-Chlorophenyl-phenylether	10.42	204	58263	6.709	ng	94
62) 4-Nitroaniline	10.43	138	24254	6.109	ng	95
63) Azobenzene	10.58	77	133039	6.681	ng	93
65) 4,6-Dinitro-2-methylphenol	10.46	198	6259	4.410	ng	93
66) n-Nitrosodiphenylamine	10.54	169	101749	6.873	ng	100
67) 4-Bromophenyl-phenylether	10.92	248	31116	6.073	ng	95
68) Hexachlorobenzene	10.97	284	34394	6.397	ng	97
69) Atrazine	11.06	200	26879	7.047	ng	99
70) Pentachlorophenol	11.17	266	12779	4.201	ng	96
71) Phenanthrene	11.39	178	166309	6.939	ng	97
72) Anthracene	11.44	178	166428	6.872	ng	98
73) Carbazole	11.59	167	148109	6.364	ng	99
74) Di-n-butylphthalate	11.93	149	160136	5.558	ng	99
75) Fluoranthene	12.57	202	159617	6.252	ng	98
77) Benzidine	12.70	184	53657	5.888	ng	# 96
78) Pyrene	12.80	202	165672	6.425	ng	98
80) Butylbenzylphthalate	13.43	149	50466	4.534	ng	99
81) Benzo(a)anthracene	13.99	228	137915	6.664	ng	99
82) 3,3'-Dichlorobenzidine	13.96	252	38449	5.506	ng	# 96
83) Chrysene	14.03	228	134021	6.349	ng	98
84) Bis(2-ethylhexyl)phthalate	13.99	149	82117	5.625	ng	99
85) Di-n-octyl phthalate	14.60	149	100410	3.888	ng	98
87) Indeno(1,2,3-cd)pyrene	16.90	276	100334	5.849	ng	97
88) Benzo(b)fluoranthene	15.03	252	104752	5.958	ng	98
89) Benzo(k)fluoranthene	15.06	252	111070	6.492	ng	99
90) Benzo(a)pyrene	15.40	252	89196	5.687	ng	99
91) Dibenzo(a,h)anthracene	16.93	278	82923	5.800	ng	99
92) Benzo(g,h,i)perylene	17.34	276	83439	6.385	ng	96

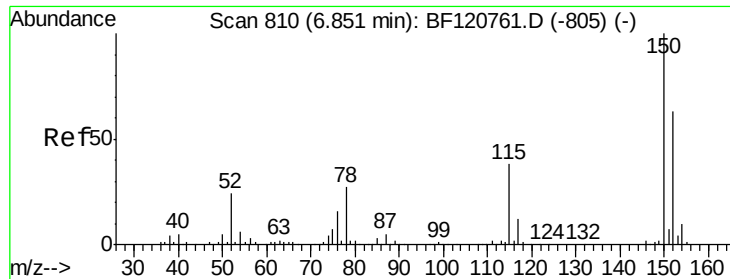
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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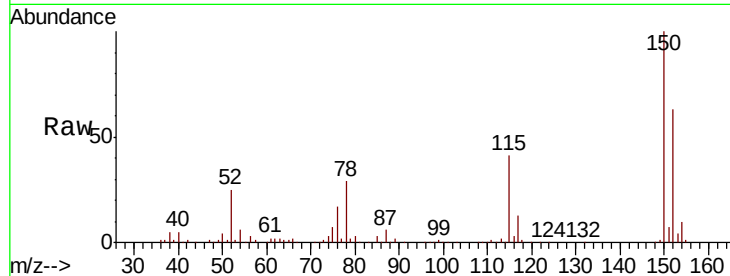


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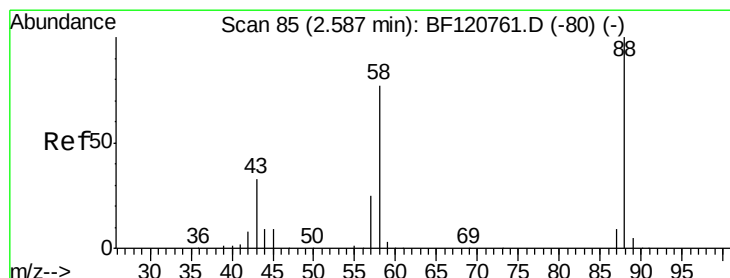
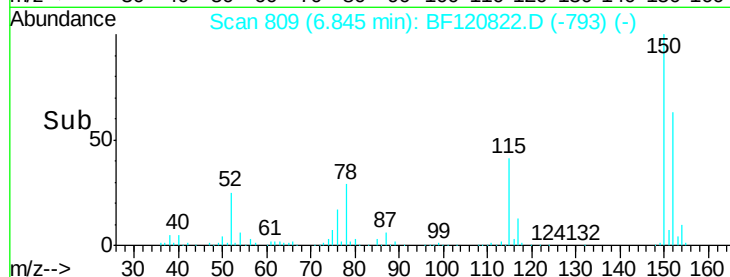
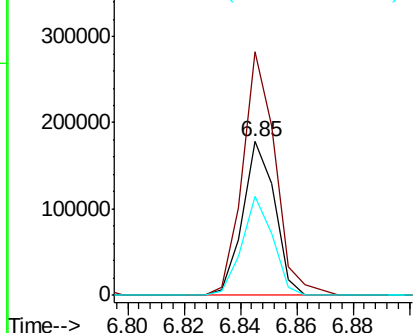
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:152 Resp: 140065
Ion Ratio Lower Upper
152 100
150 158.6 126.1 189.1
115 64.3 48.5 72.7



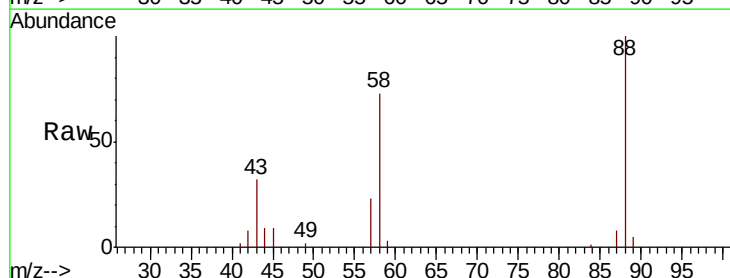
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



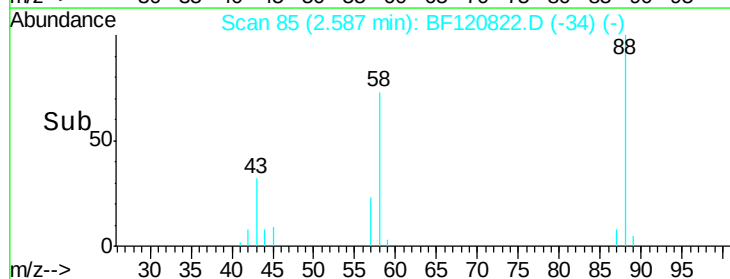
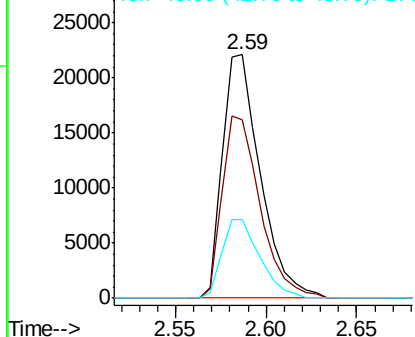
#2

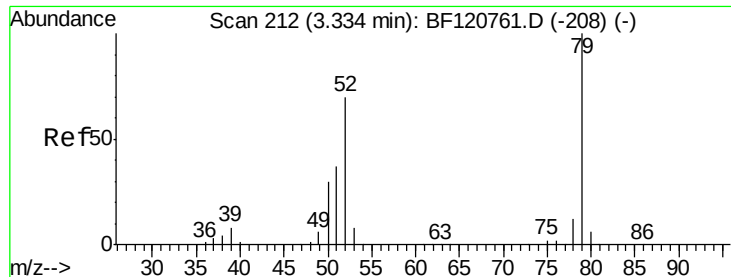
1,4-Dioxane
Concen: 7.745 ng
RT: 2.59 min Scan# 85
Delta R.T. 0.00 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion: 88 Resp: 32103
Ion Ratio Lower Upper
88 100
58 74.8 60.4 90.6
43 32.3 26.3 39.5



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: 5.197 ng

RT: 3.36 min Scan# 217

Delta R.T. 0.03 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

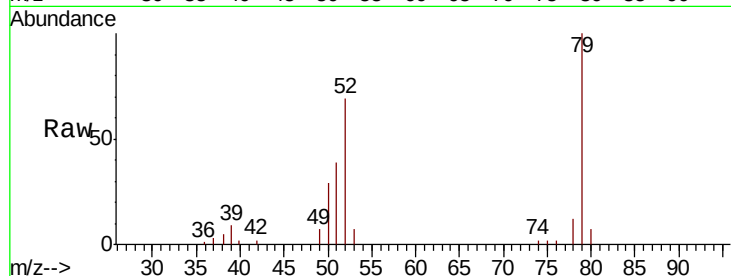
Tot Ion: 79 Resp: 59001

Ion Ratio Lower Upper

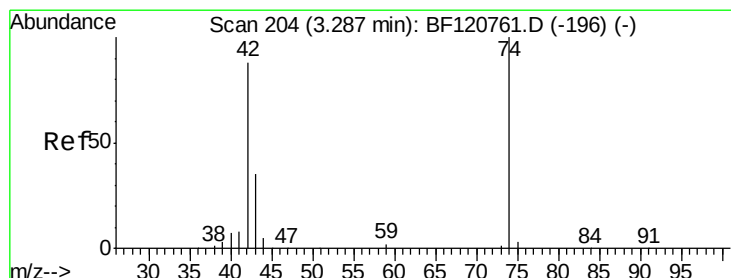
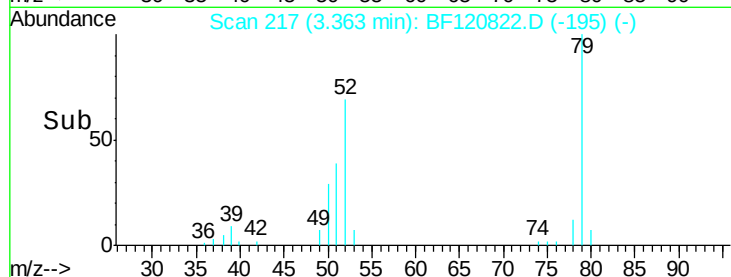
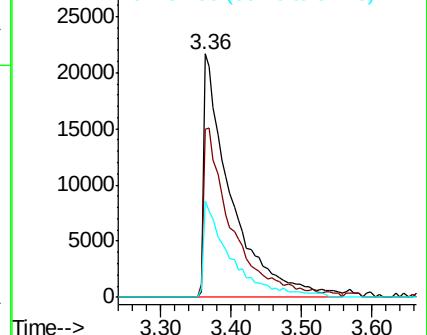
79 100

52 69.2 56.3 84.5

51 39.4 30.1 45.1



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 6.305 ng

RT: 3.26 min Scan# 200

Delta R.T. -0.02 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

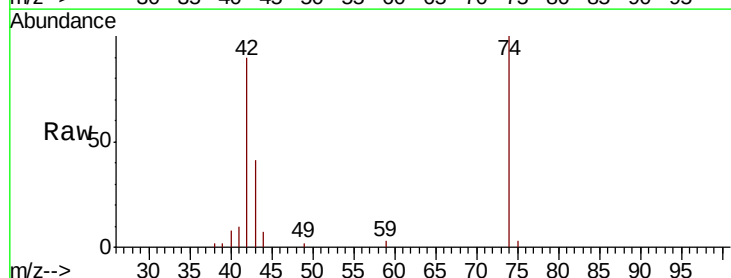
Tgt Ion: 42 Resp: 35812

Ion Ratio Lower Upper

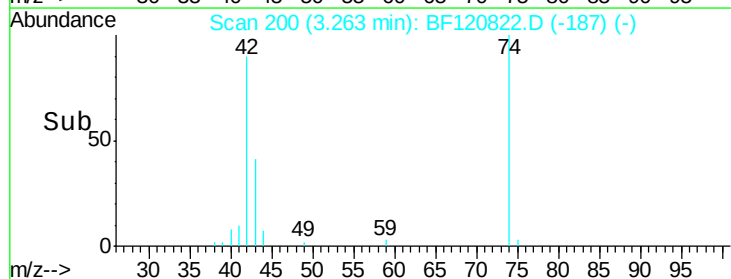
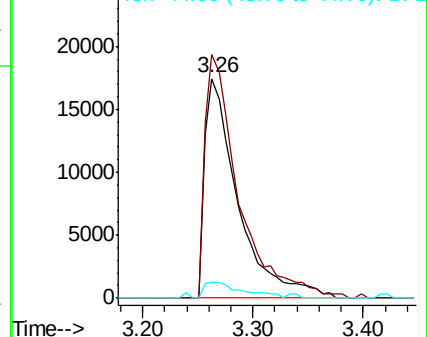
42 100

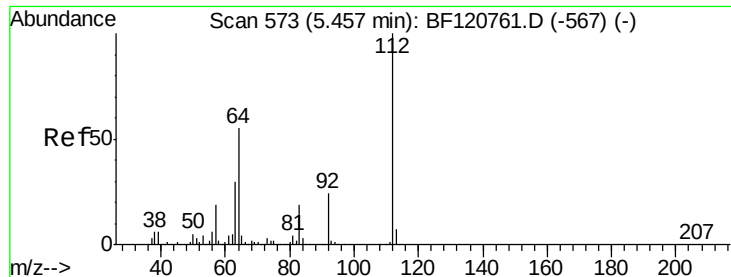
74 110.9 90.8 136.2

44 7.4 5.8 8.8



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 92.017 ng

RT: 5.46 min Scan# 573

Delta R.T. -0.00 min

Lab File: BF120822.D

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MDL-SOIL-03-QT3-2020

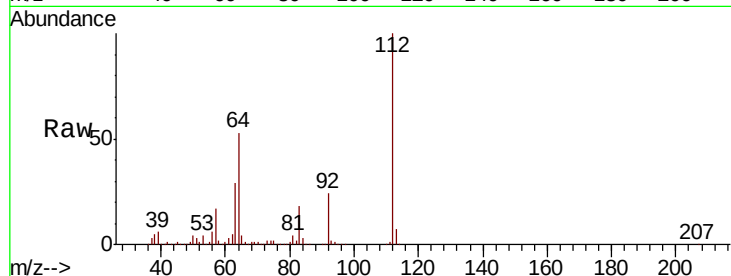
Tot Ion:112 Resp: 834928

Ion Ratio Lower Upper

112 100

64 53.3 43.8 65.6

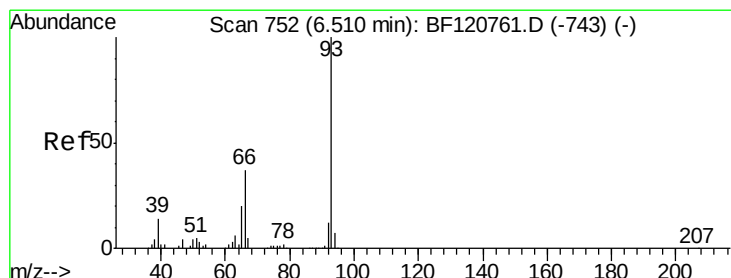
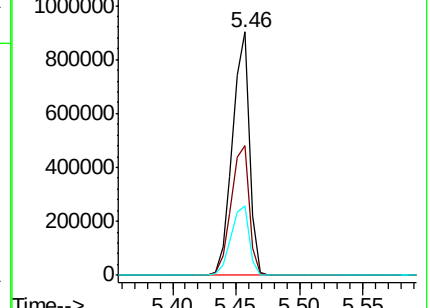
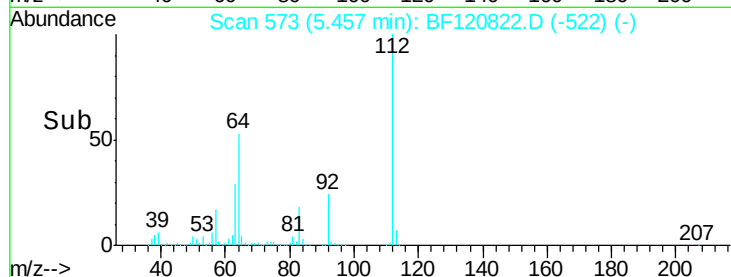
63 28.7 23.6 35.4



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: 7.046 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

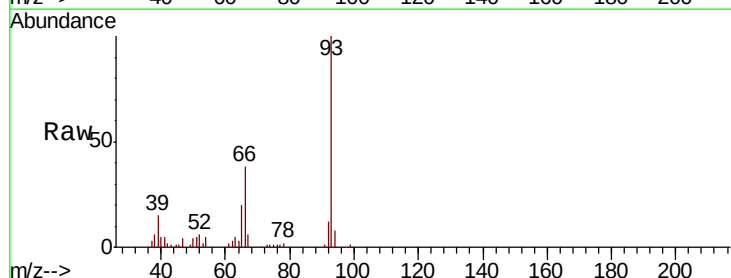
Tgt Ion: 93 Resp: 104854

Ion Ratio Lower Upper

93 100

66 38.0 31.3 46.9

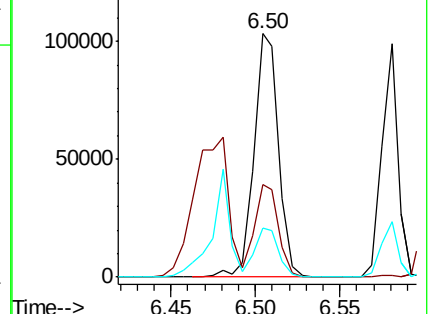
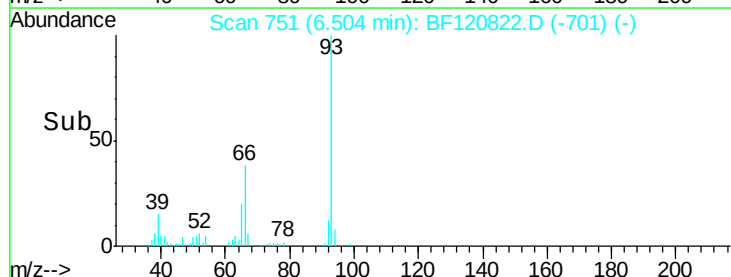
65 20.2 16.5 24.7

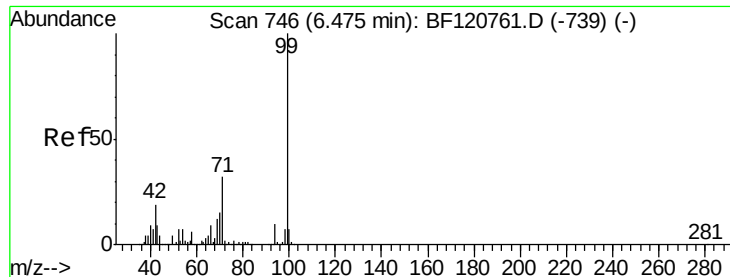


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 91.961 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

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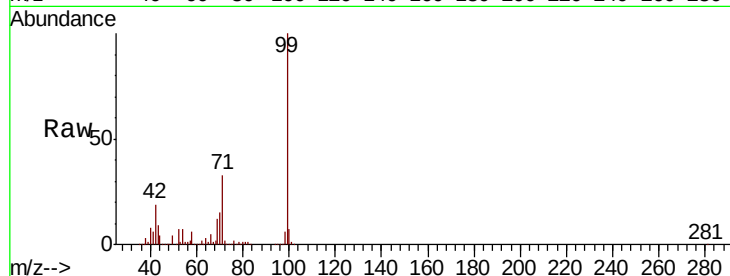
Tot Ion: 99 Resp: 1065589

Ion Ratio Lower Upper

99 100

42 19.2 15.4 23.0

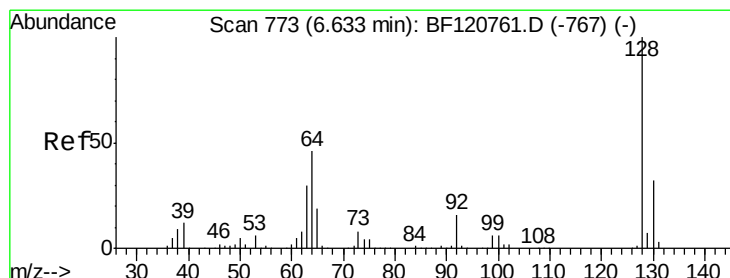
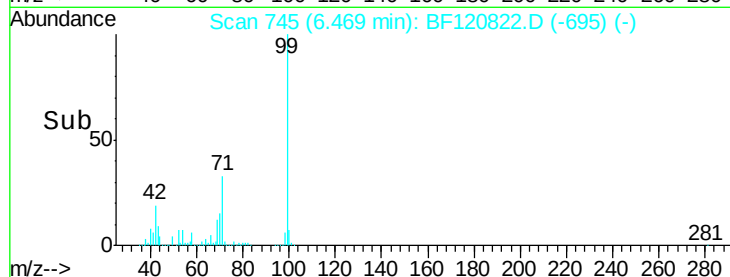
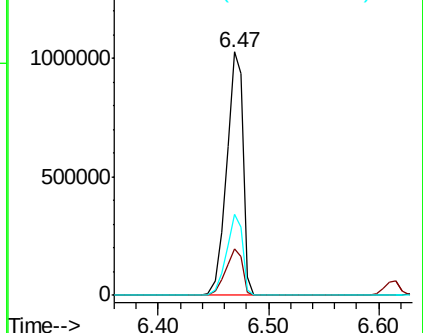
71 33.2 25.9 38.9



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: 7.010 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

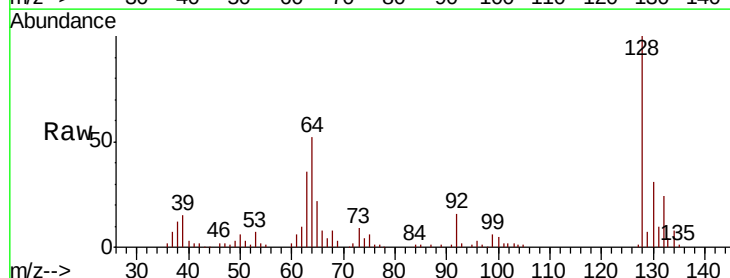
Tgt Ion: 128 Resp: 67721

Ion Ratio Lower Upper

128 100

130 31.2 12.1 52.1

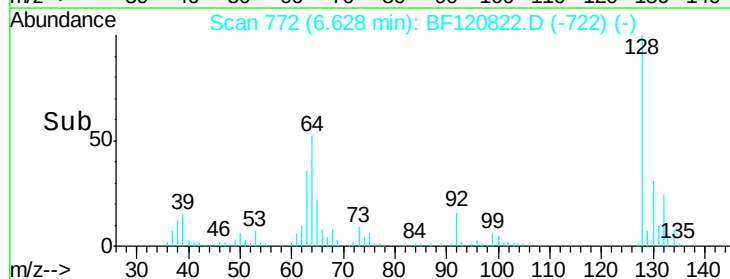
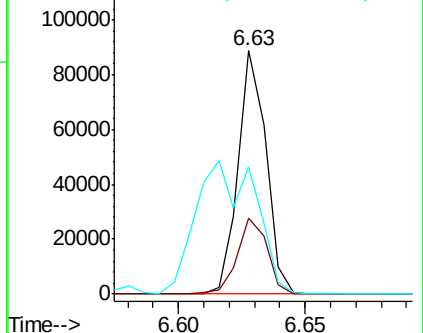
64 52.3 26.3 66.3

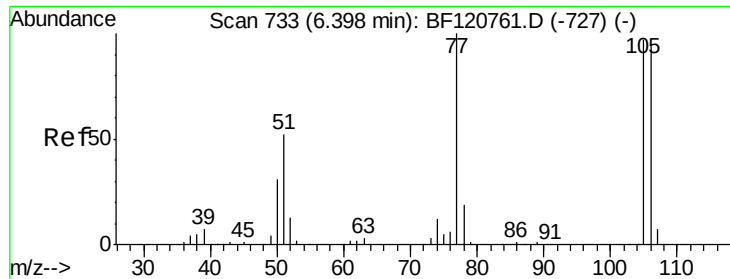


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 8.607 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

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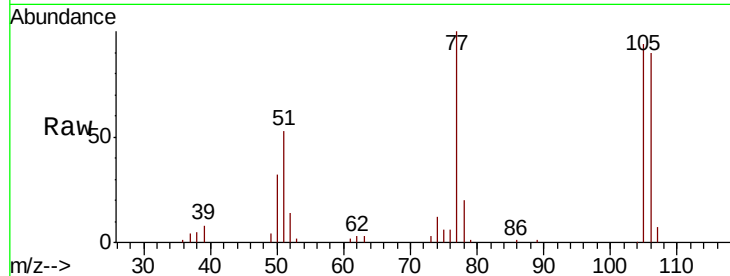
Tot Ion: 77 Resp: 59314

Ion Ratio Lower Upper

77 100

105 93.6 76.8 116.8

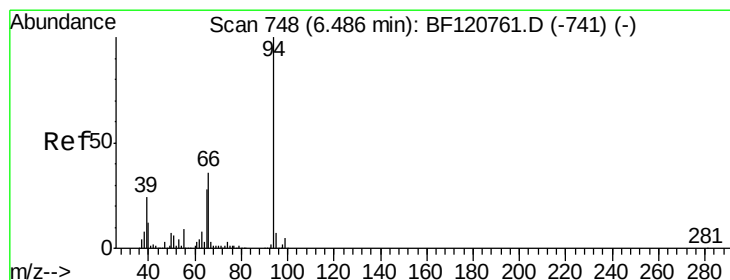
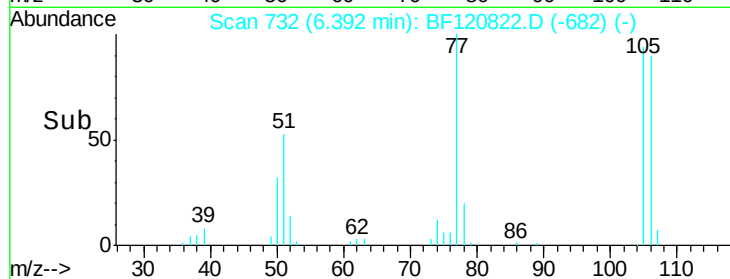
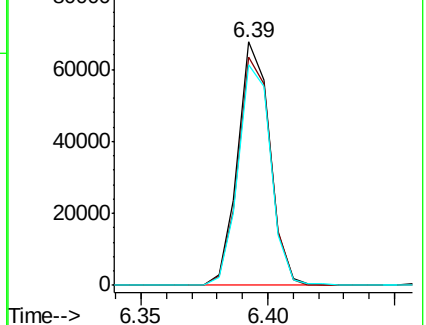
106 90.5 73.8 113.8



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: 7.158 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

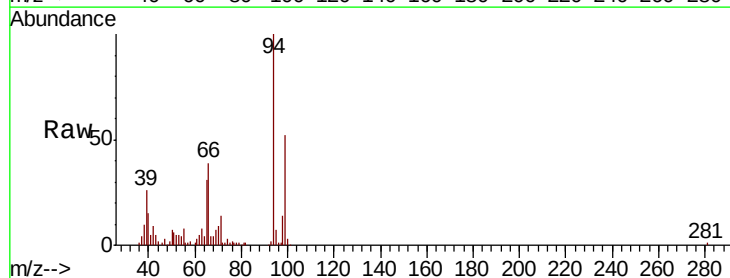
Tgt Ion: 94 Resp: 85318

Ion Ratio Lower Upper

94 100

65 30.6 8.4 48.4

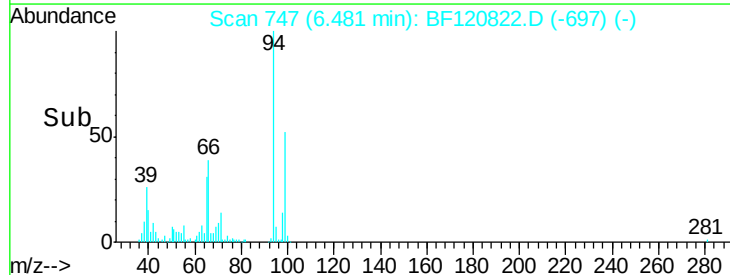
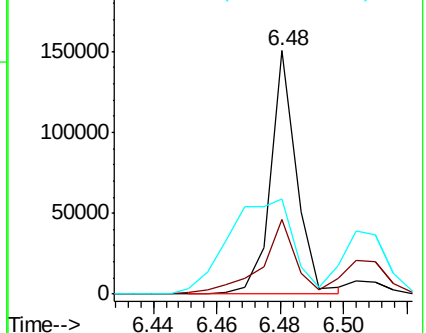
66 39.3 16.5 56.5

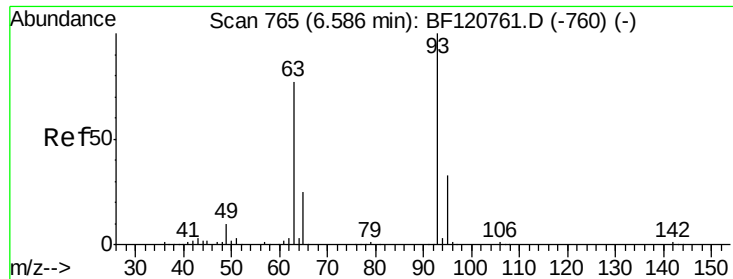


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 6.827 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

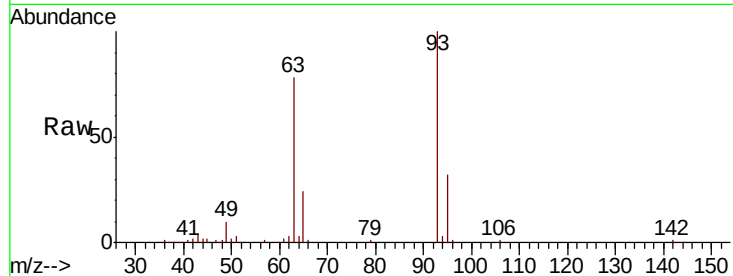
Tot Ion: 93 Resp: 66223

Ion Ratio Lower Upper

93 100

63 77.9 56.9 96.9

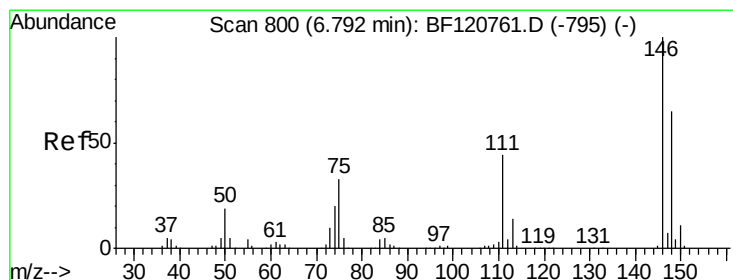
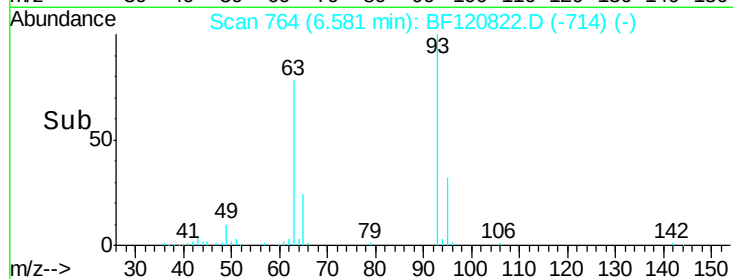
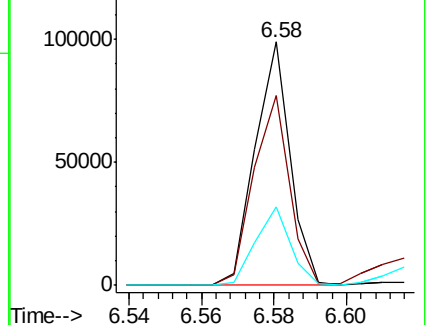
95 32.3 13.3 53.3



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 7.076 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

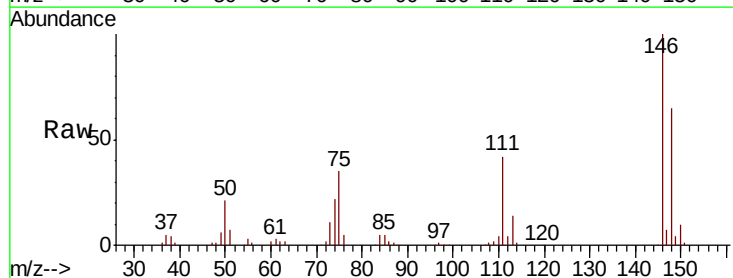
Tgt Ion: 146 Resp: 75241

Ion Ratio Lower Upper

146 100

148 65.1 52.1 78.1

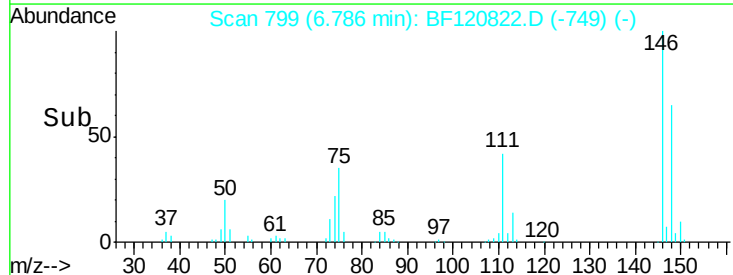
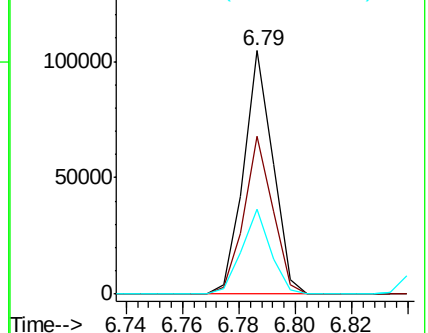
75 34.8 26.0 39.0

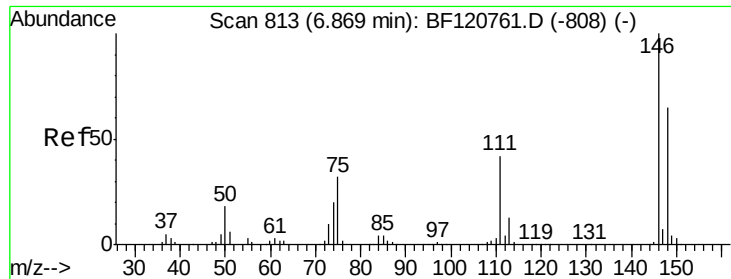


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1

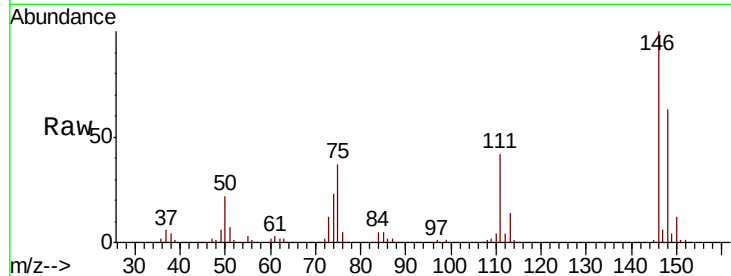




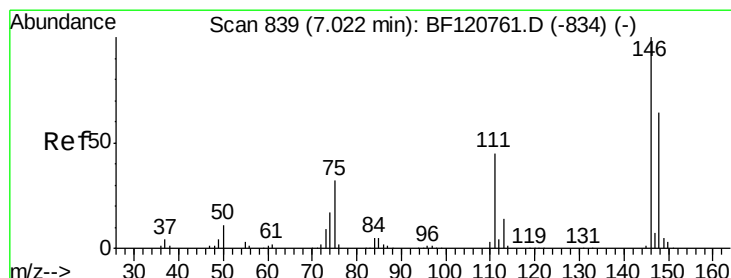
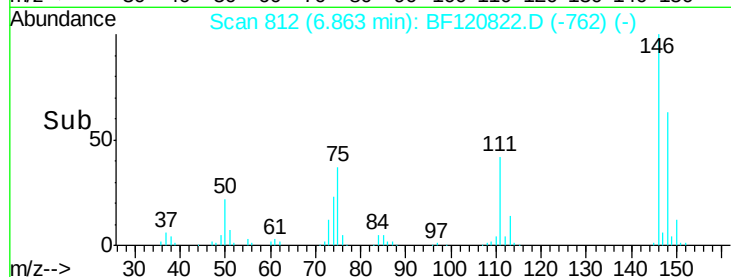
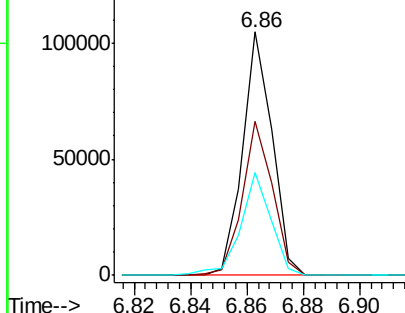
#13
 1,4-Dichlorobenzene
 Concen: 7.163 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion:146 Resp: 76286
 Ion Ratio Lower Upper
 146 100
 148 63.2 51.8 77.6
 111 42.5 33.7 50.5

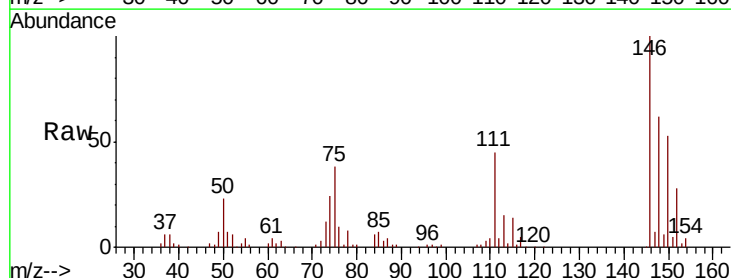


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

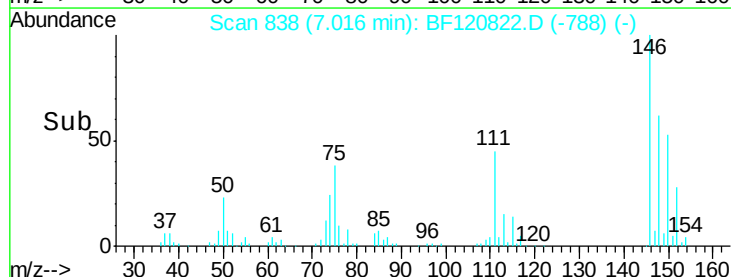
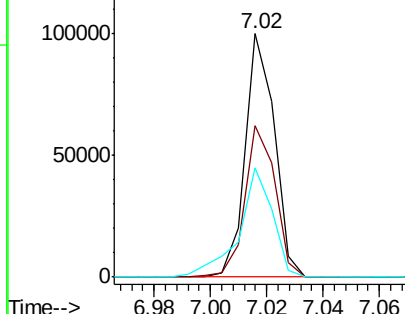


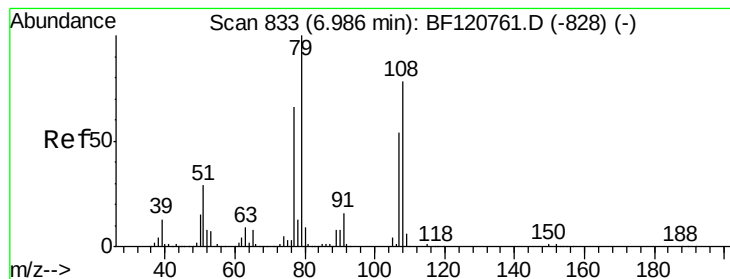
#14
 1,2-Dichlorobenzene
 Concen: 7.098 ng
 RT: 7.02 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Tgt Ion:146 Resp: 71916
 Ion Ratio Lower Upper
 146 100
 148 62.5 51.0 76.4
 111 44.6 35.7 53.5



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





#15

Benzyl Alcohol

Concen: 7.591 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

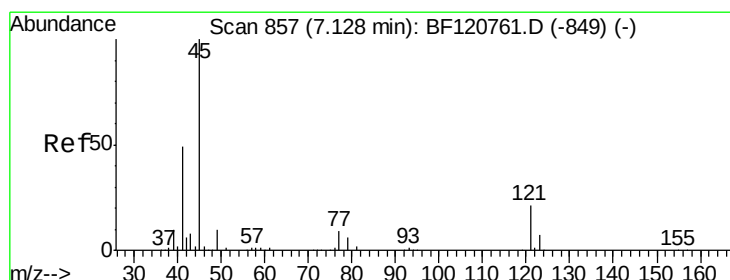
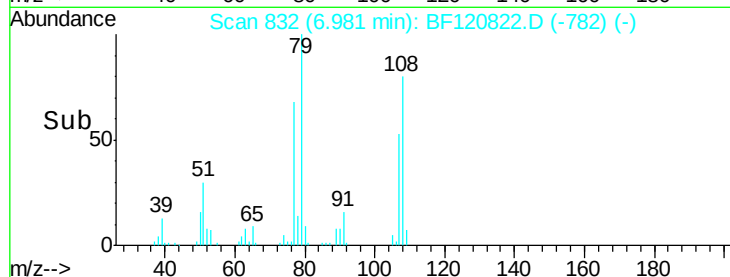
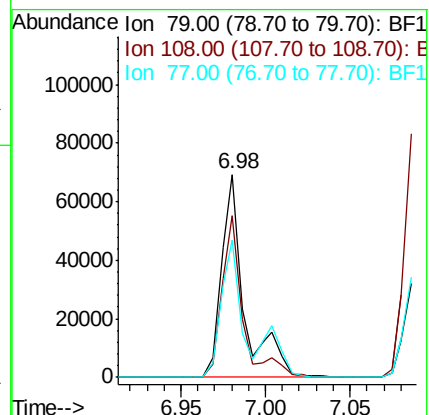
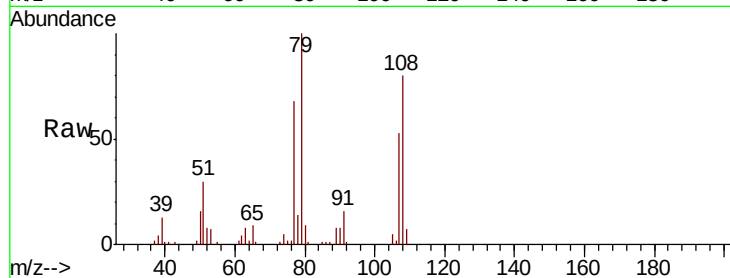
Tot Ion: 79 Resp: 66089

Ion Ratio Lower Upper

79 100

108 79.8 62.4 93.6

77 67.7 52.7 79.1



#16

2,2'-oxybis(1-chloropropane)

Concen: 6.574 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

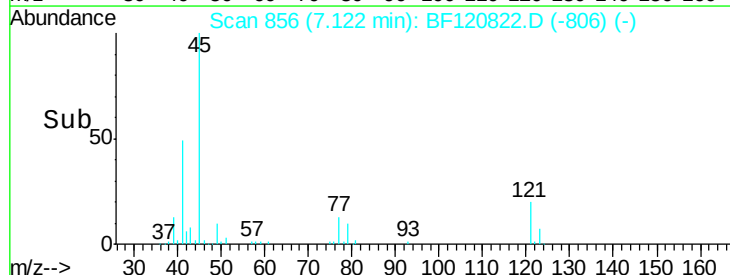
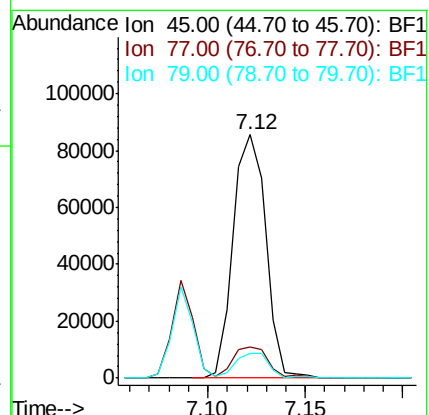
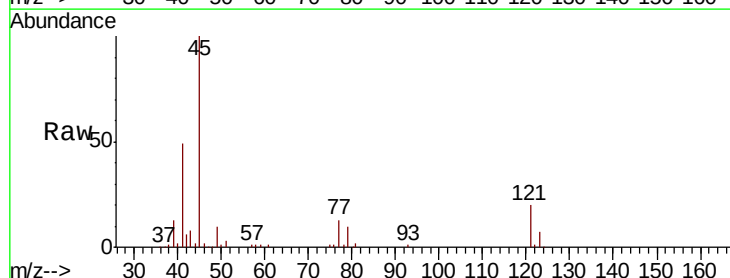
Tgt Ion: 45 Resp: 99464

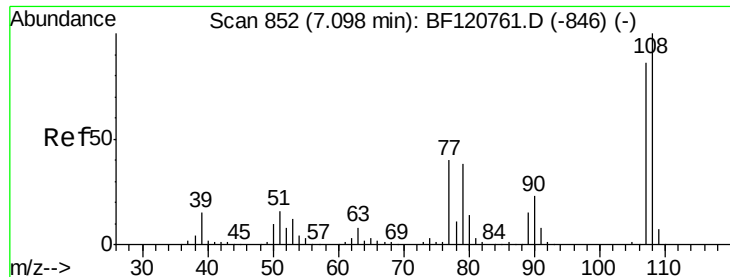
Ion Ratio Lower Upper

45 100

77 12.9 0.0 33.7

79 10.1 0.0 30.5

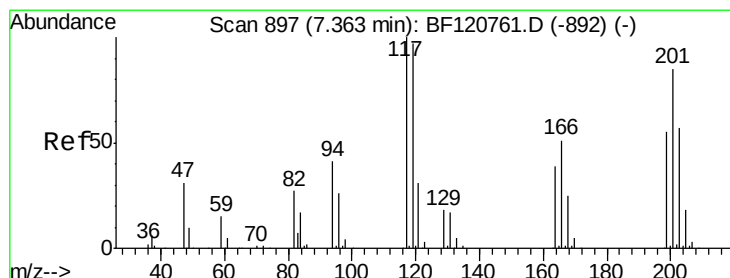
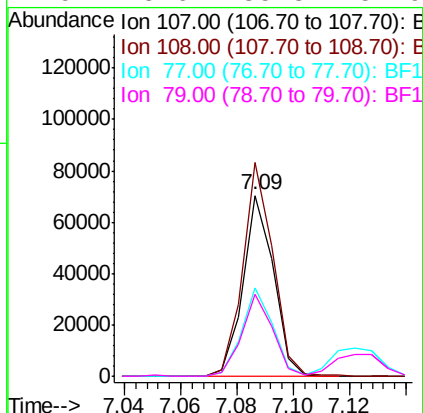
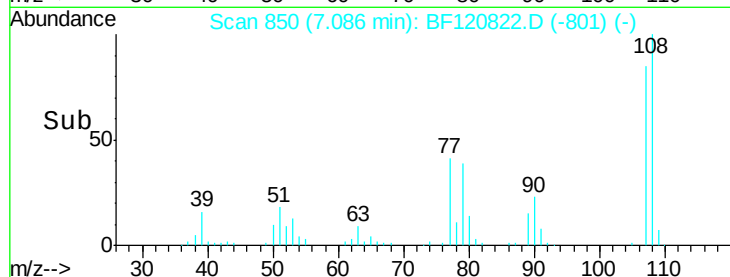
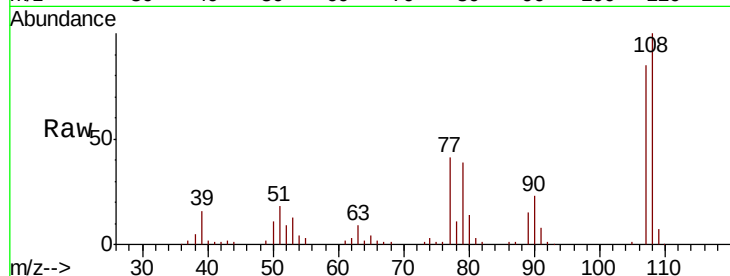




#17
2-Methylphenol
Concen: 6.107 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

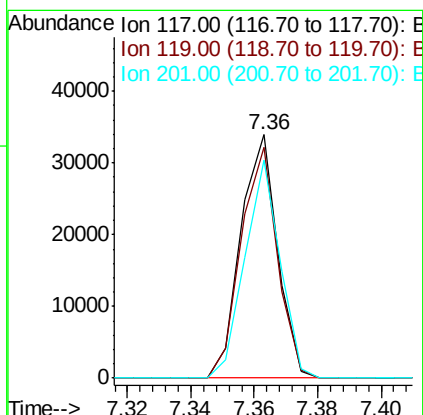
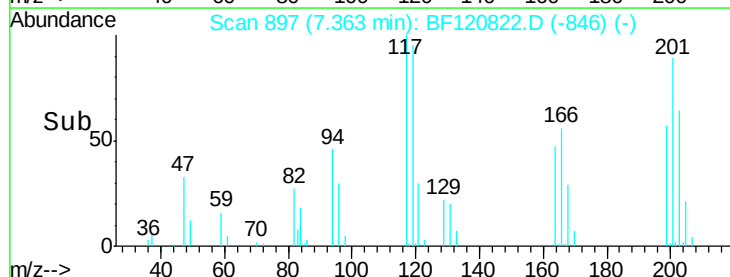
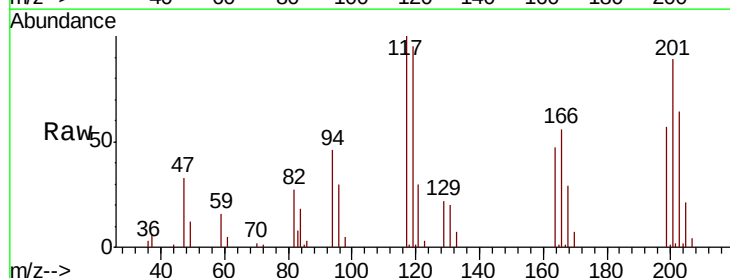
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

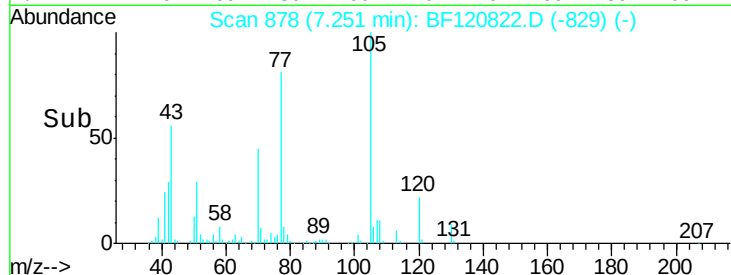
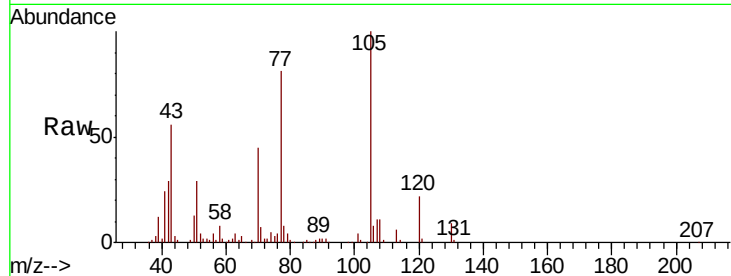
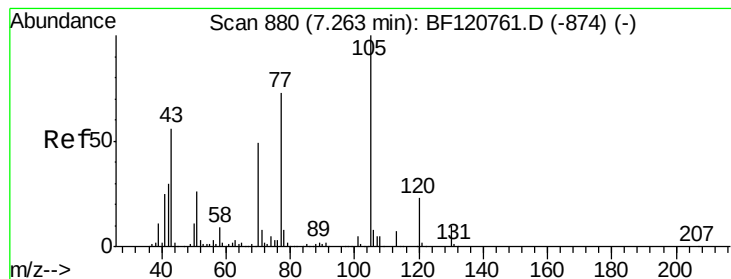
Tot Ion:	107	Resp:	52775
Ion	Ratio	Lower	Upper
107	100		
108	118.1	93.1	139.7
77	48.6	37.3	55.9
79	45.6	35.3	52.9



#18
Hexachloroethane
Concen: 6.769 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion:	117	Resp:	27096
Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.9	116.9
201	91.8	68.3	102.5





#19

n-Nitroso-di-n-propylamine

Concen: 6.645 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion: 70 Resp: 46362

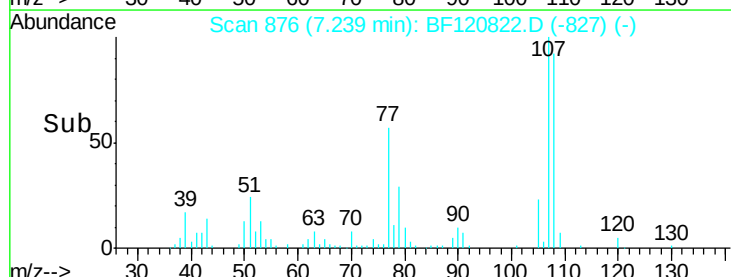
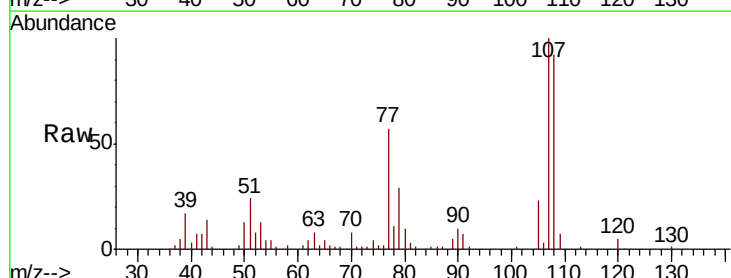
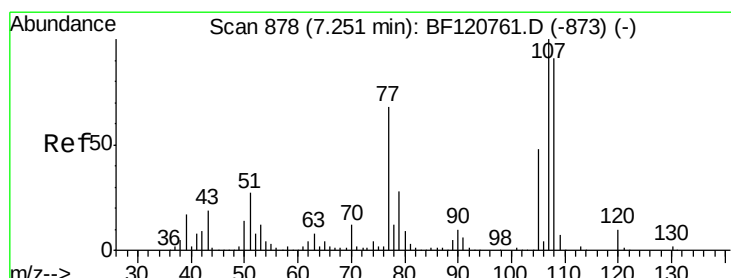
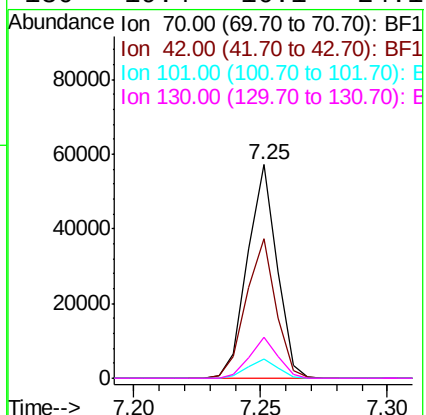
Ion Ratio Lower Upper

70 100

42 65.3 50.3 75.5

101 8.9 7.5 11.3

130 19.4 16.1 24.1



#20

3+4-Methylphenols

Concen: 6.391 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Tgt Ion: 107 Resp: 68029

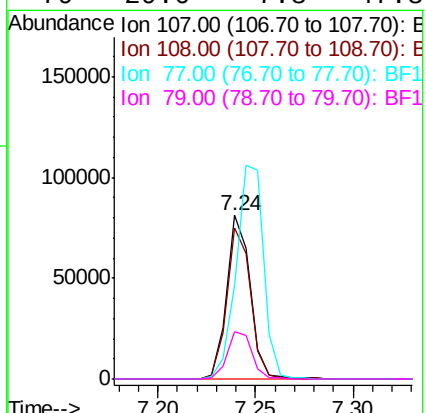
Ion Ratio Lower Upper

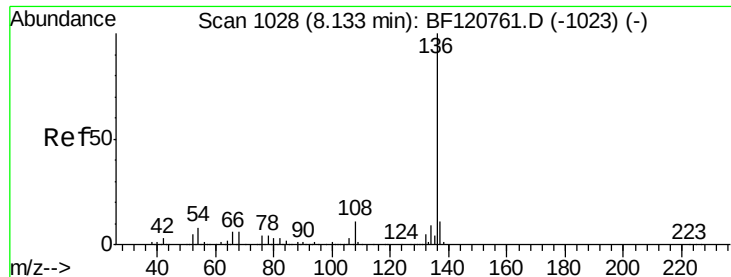
107 100

108 92.2 70.9 110.9

77 56.9 48.3 88.3

79 29.0 7.8 47.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:136 Resp: 523765

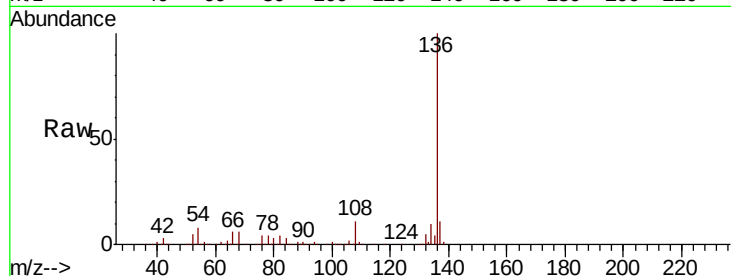
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.6

54 8.1 6.2 9.4

68 6.0 4.7 7.1

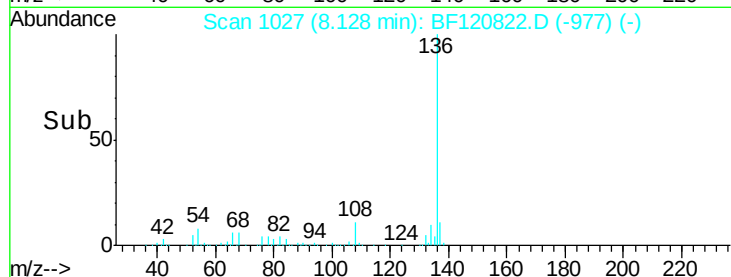


Abundance Ion 136.00 (135.70 to 136.70): E

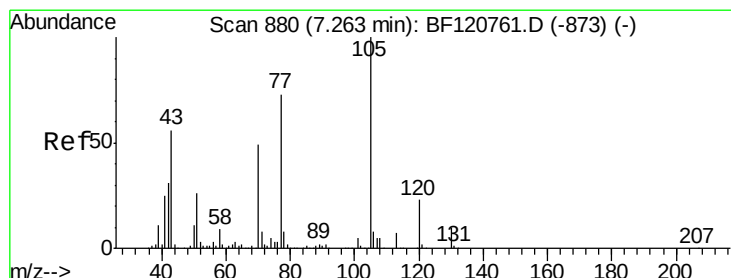
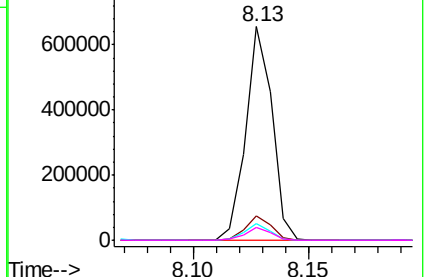
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#22

Acetophenone

Concen: 7.736 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Tgt Ion:105 Resp: 100713

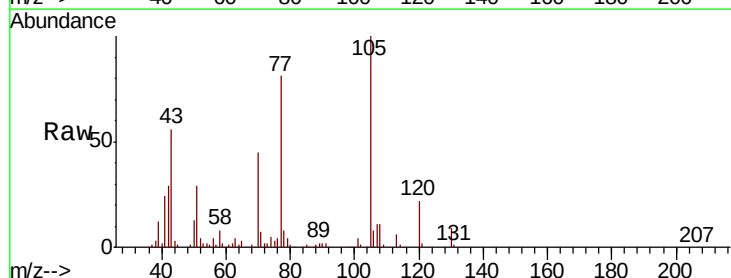
Ion Ratio Lower Upper

105 100

71 7.4 6.5 9.7

51 29.0 21.0 31.4

120 22.3 18.6 28.0

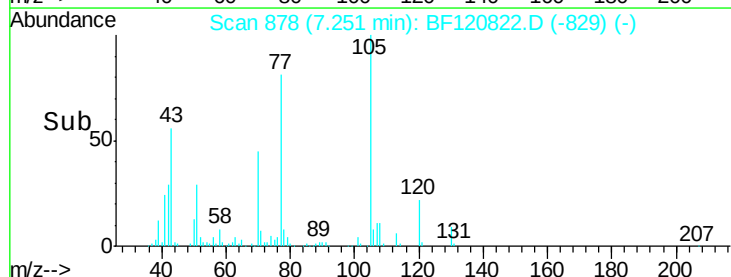


Abundance Ion 105.00 (104.70 to 105.70): E

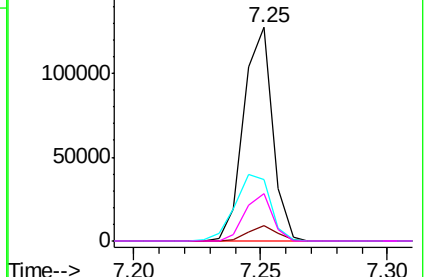
Ion 71.00 (70.70 to 71.70): BF1

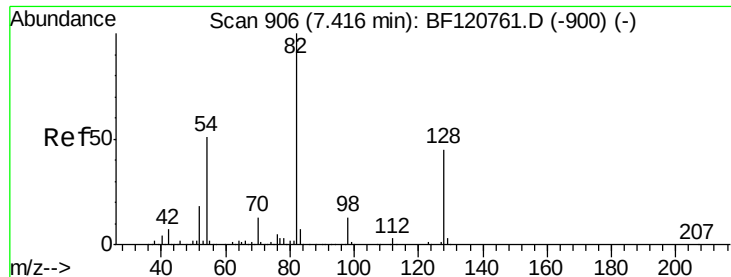
Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



Time-->

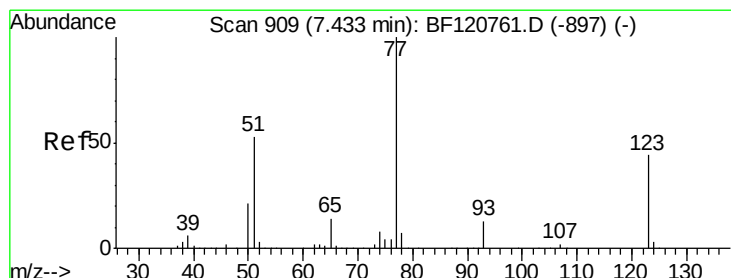
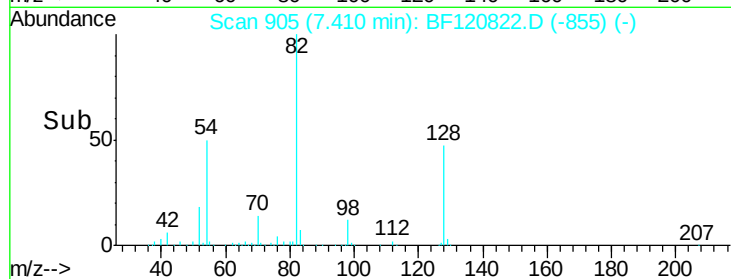
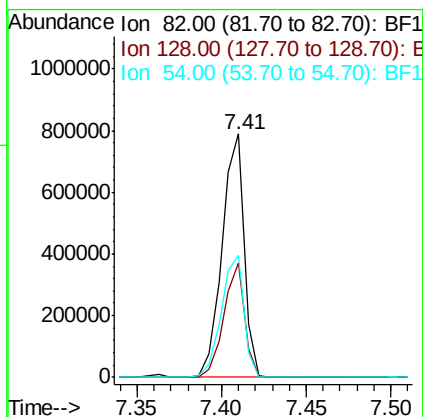
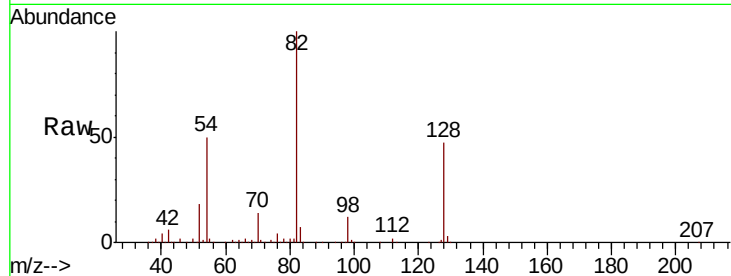




#23
Nitrobenzene-d5
Concen: 79.030 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

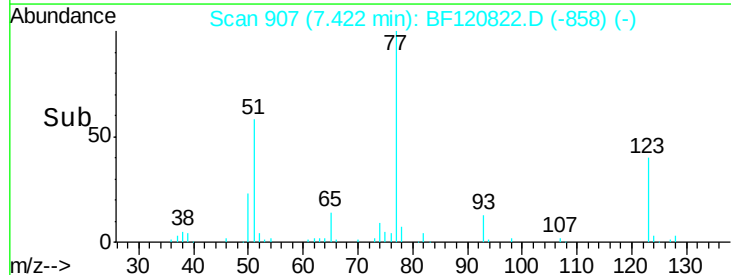
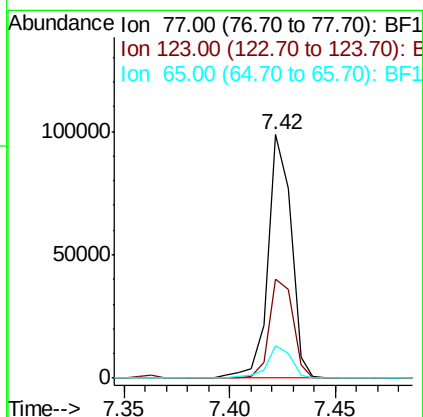
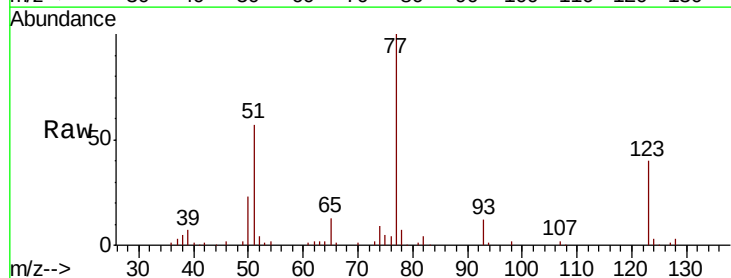
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

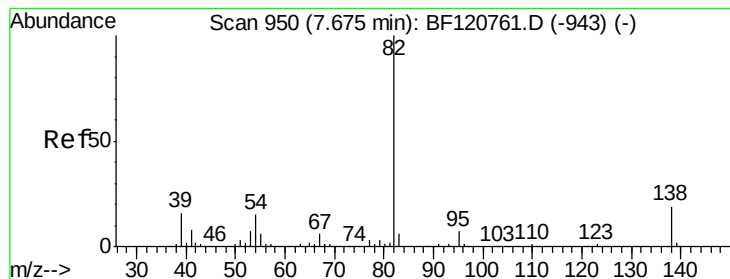
Tot Ion	82	Resp	714439
Ion Ratio	100	Lower	Upper
128	46.9	35.7	53.5
54	50.2	40.9	61.3



#24
Nitrobenzene
Concen: 7.430 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	77	Resp	75417
Ion Ratio	100	Lower	Upper
123	40.5	36.1	54.1
65	13.5	11.0	16.4





#25

Isophorone

Concen: 6.328 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

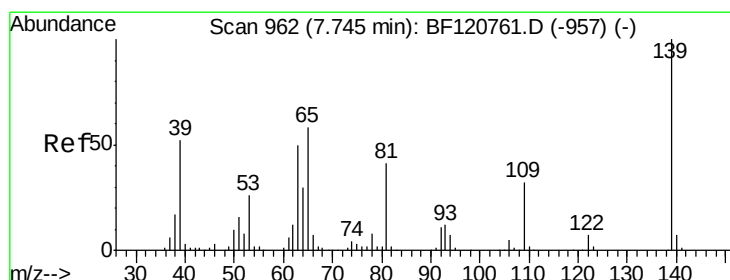
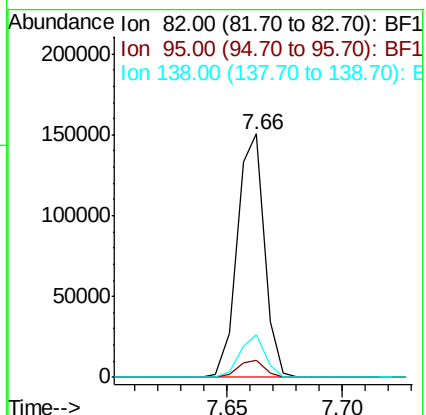
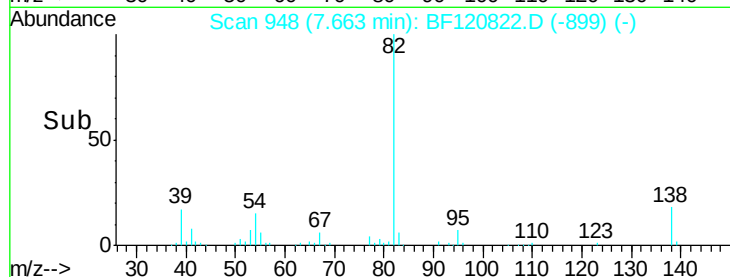
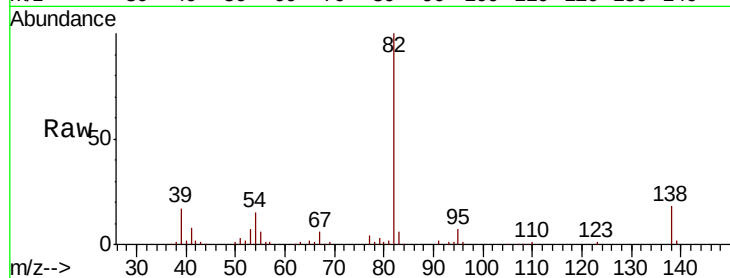
Tot Ion: 82 Resp: 123360

Ion Ratio Lower Upper

82 100

95 6.9 5.4 8.2

138 17.6 15.0 22.4



#26

2-Nitrophenol

Concen: 5.912 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

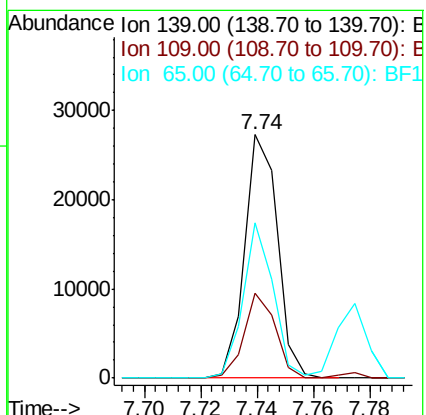
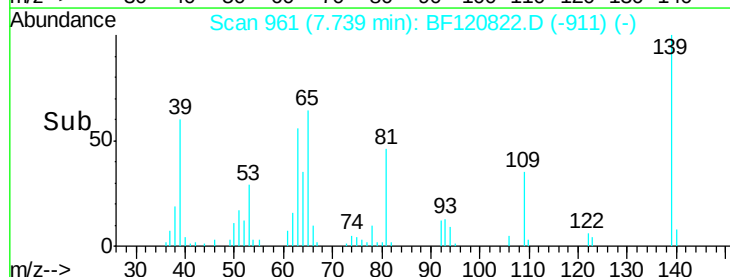
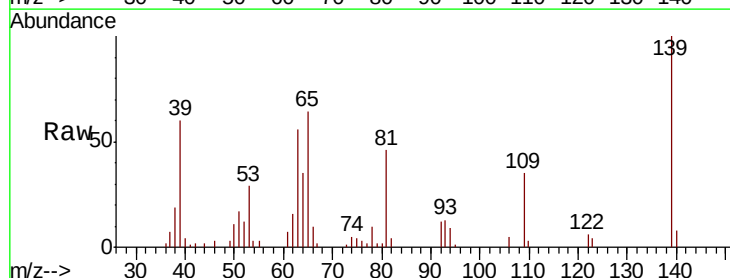
Tgt Ion: 139 Resp: 21935

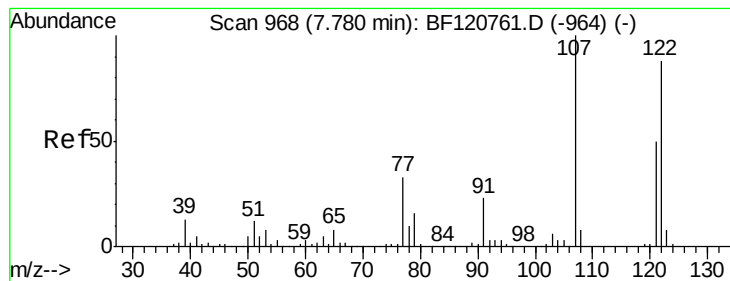
Ion Ratio Lower Upper

139 100

109 35.0 25.3 37.9

65 63.7 46.2 69.2





#27

2,4-Dimethylphenol

Concen: 7.042 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

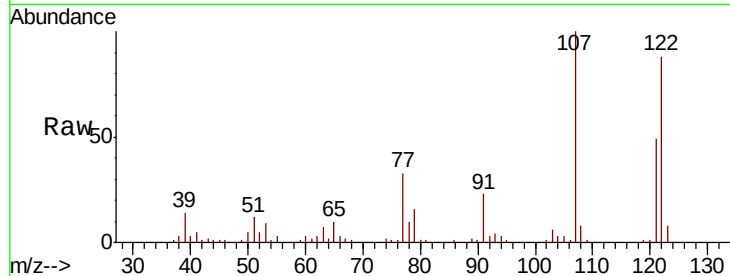
Tot Ion:122 Resp: 54802

Ion Ratio Lower Upper

122 100

107 113.9 90.7 136.1

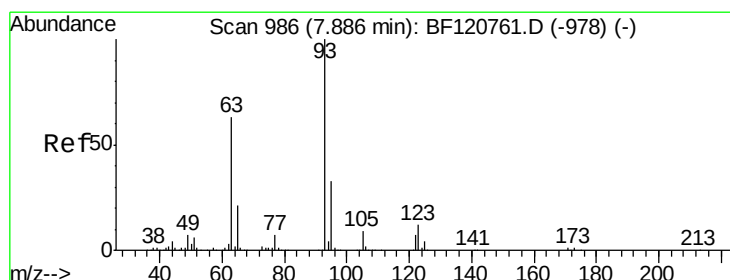
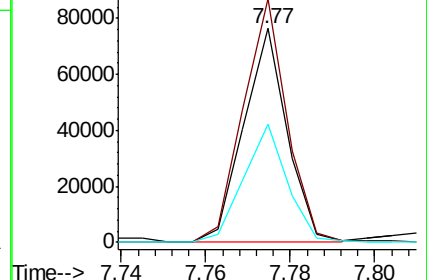
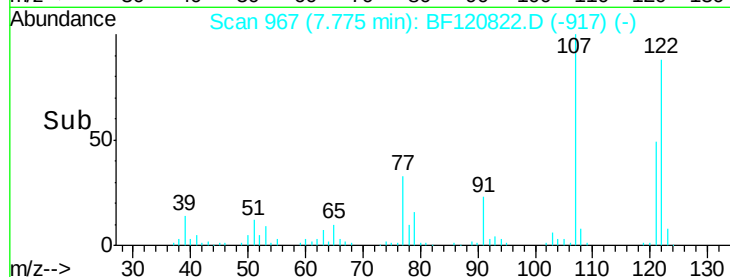
121 55.4 45.4 68.0



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: 6.933 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

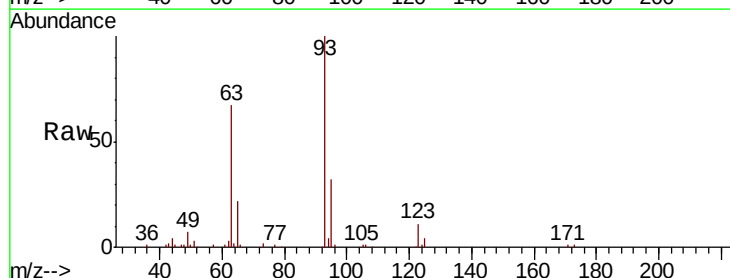
Tgt Ion: 93 Resp: 79993

Ion Ratio Lower Upper

93 100

95 32.2 26.4 39.6

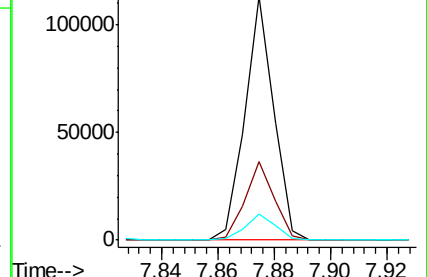
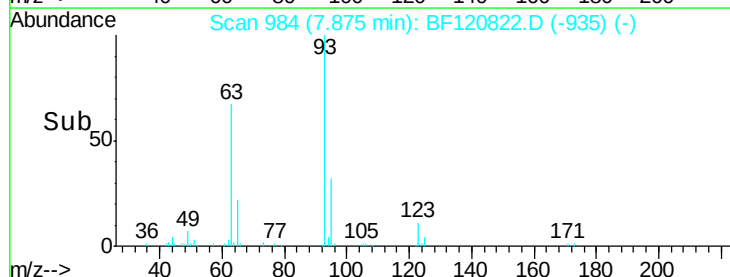
123 10.9 10.2 15.2

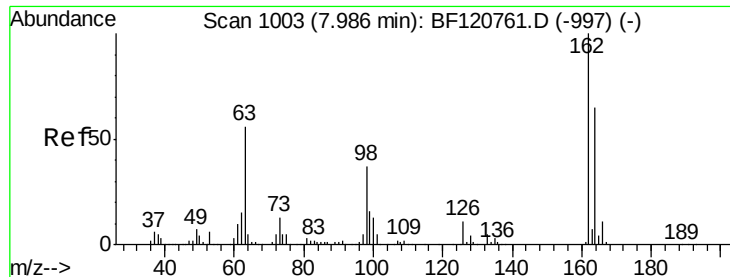


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

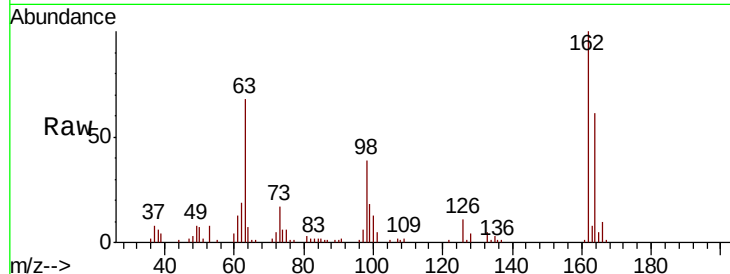




#29
2,4-Dichlorophenol
Concen: 6.395 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	60.6	45.2	85.2
98	38.5	17.0	57.0

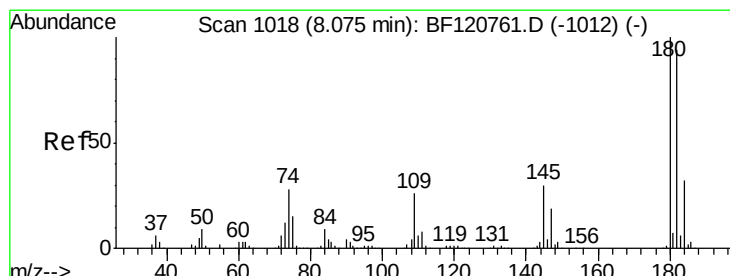
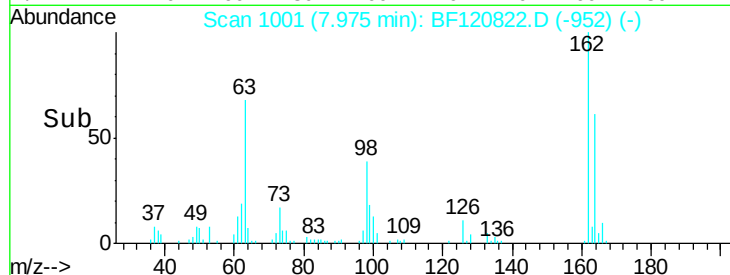
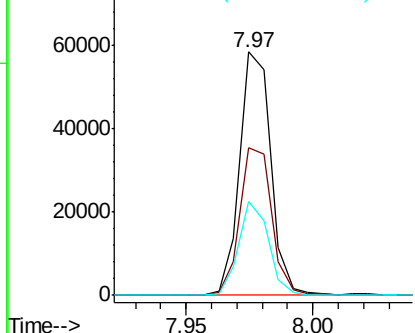


Abundance

Ion 162.00 (161.70 to 162.70): E

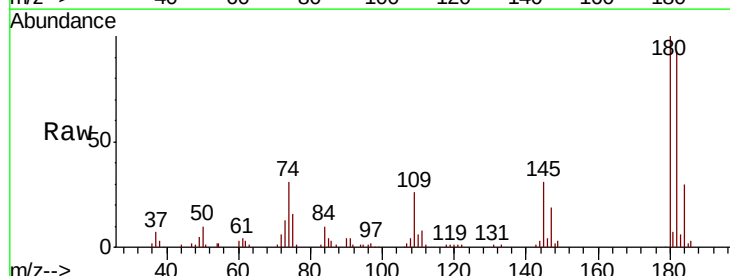
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 6.855 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	75.5	113.3
145	30.8	24.1	36.1

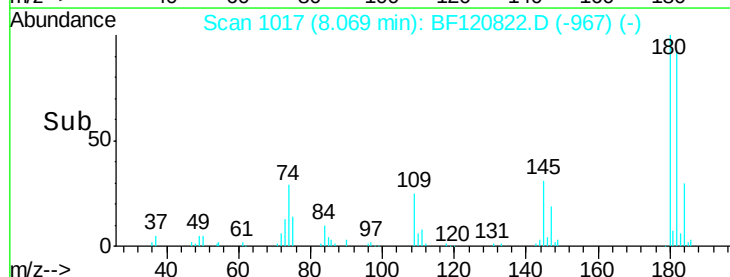
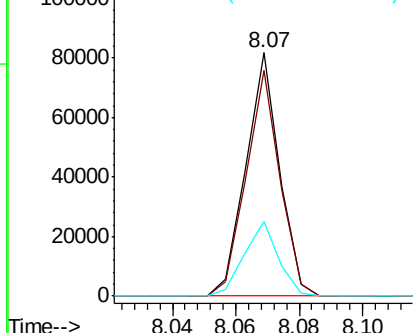


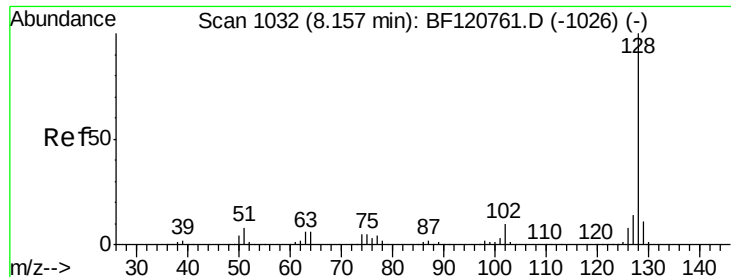
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

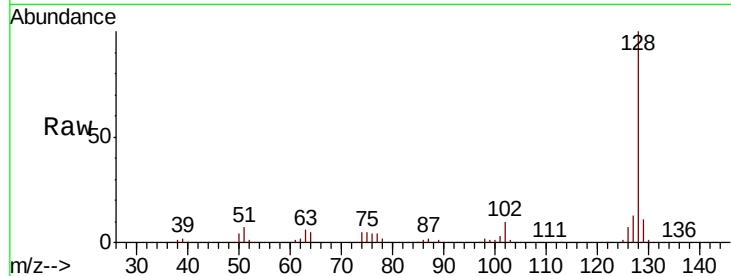




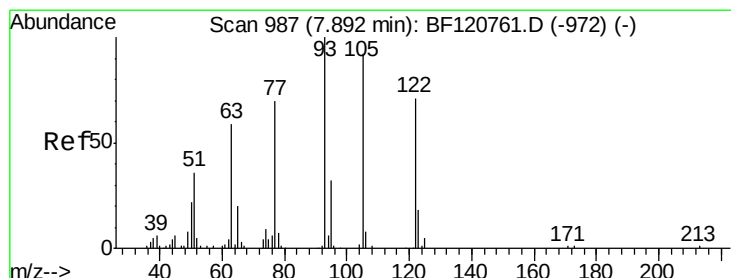
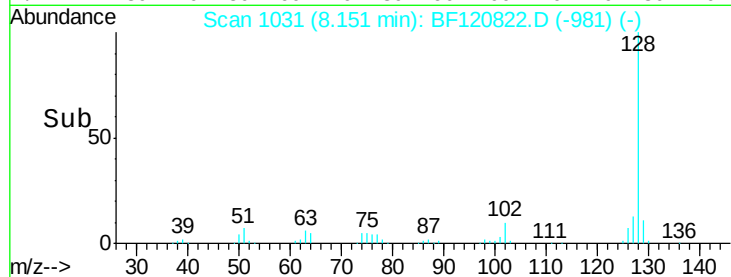
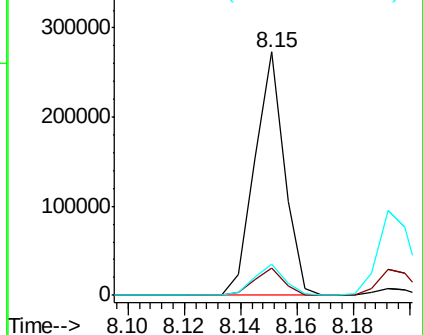
#31
Naphthalene
Concen: 7.131 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:128 Resp: 199606
Ion Ratio Lower Upper
128 100
129 11.3 9.2 13.8
127 12.8 11.1 16.7

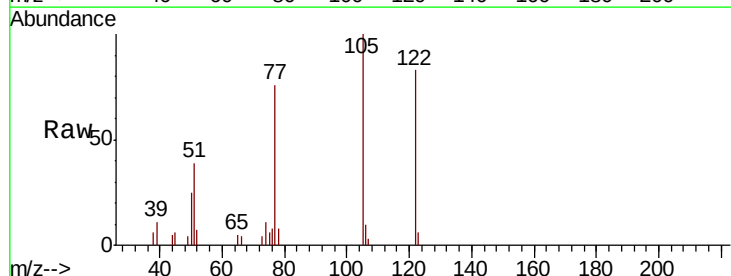


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

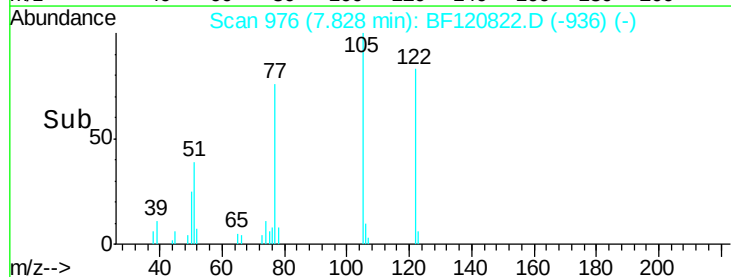
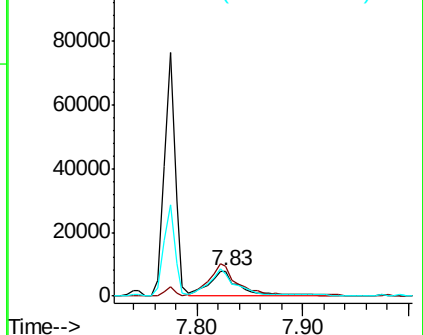


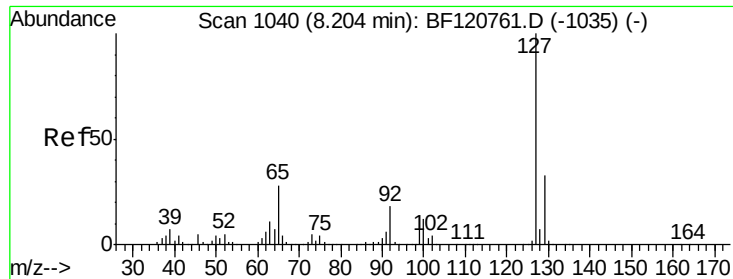
#32
Benzoic acid
Concen: 3.822 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.06 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion:122 Resp: 16096
Ion Ratio Lower Upper
122 100
105 120.0 105.8 145.8
77 91.3 77.3 117.3



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

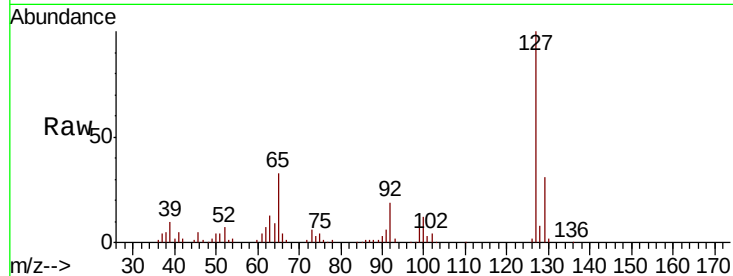




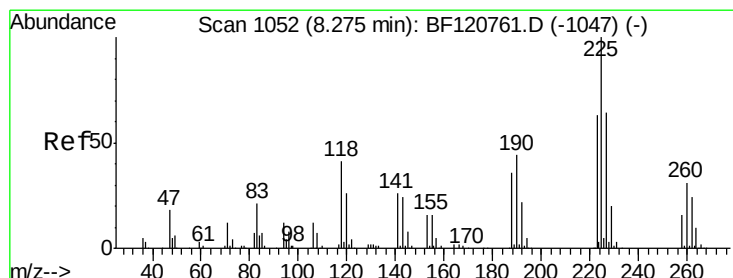
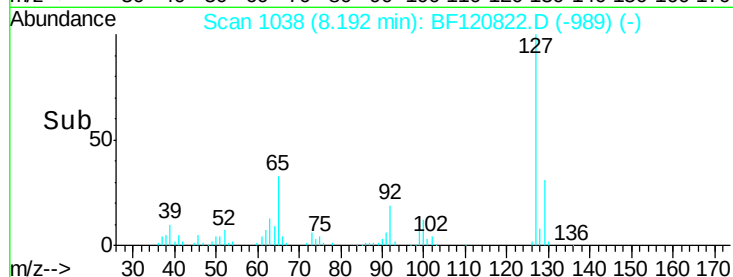
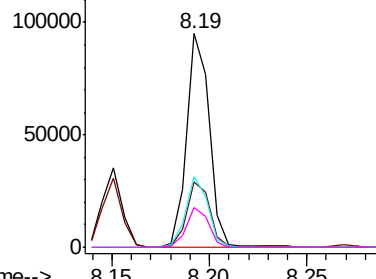
#33
4-Chloroaniline
Concen: 6.466 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:127	Resp:	76800
Ion Ratio	Lower	Upper
127	100	
129	30.8	26.6 39.8
65	32.9	22.7 34.1
92	18.8	14.3 21.5

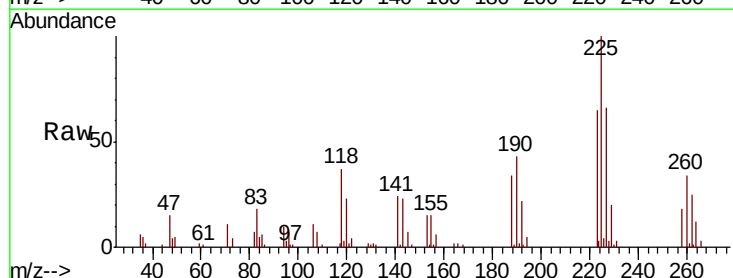


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

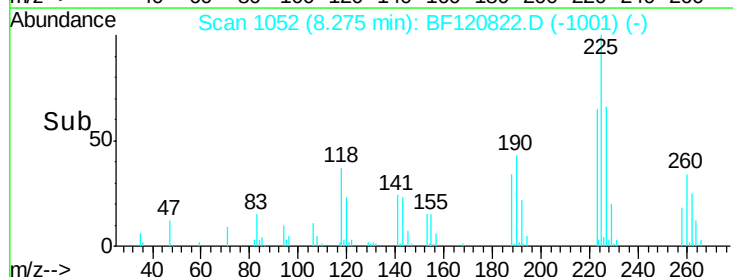
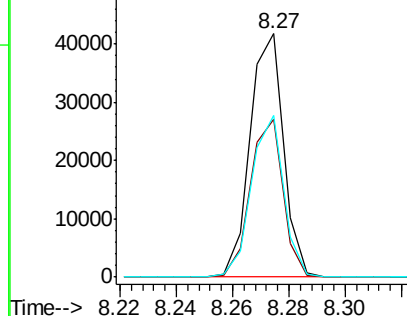


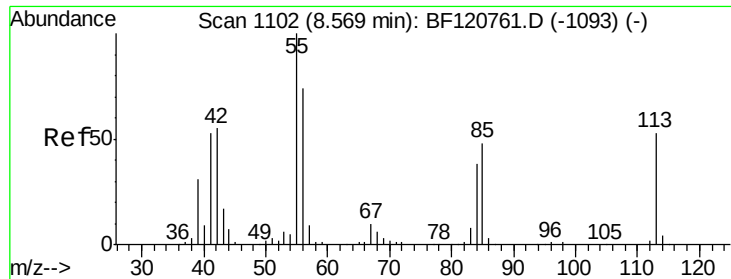
#34
Hexachlorobutadiene
Concen: 6.541 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion:225	Resp:	34329
Ion Ratio	Lower	Upper
225	100	
223	64.9	50.6 76.0
227	66.3	51.4 77.2



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

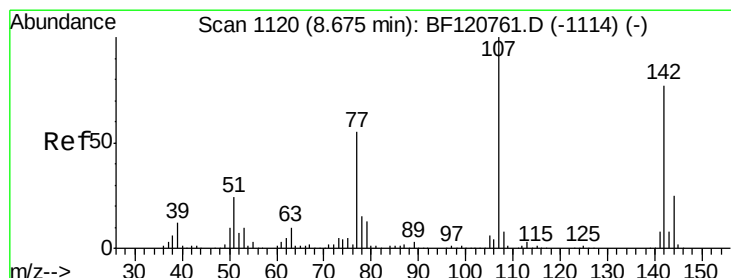
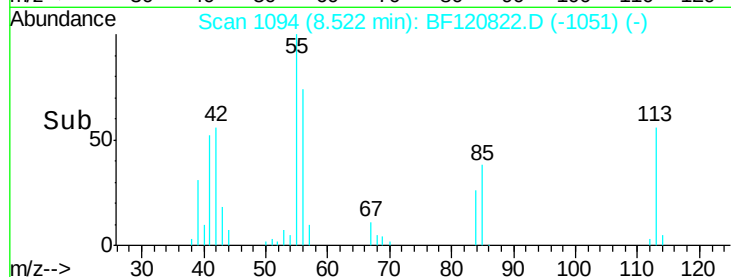
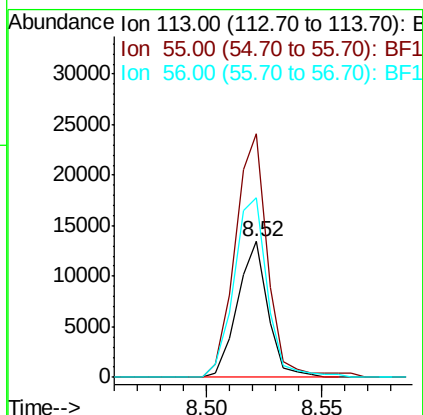
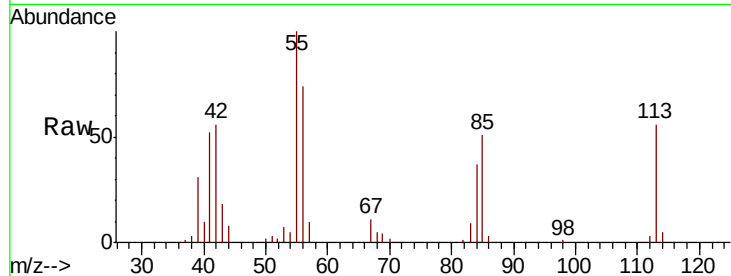




#35
Caprolactam
Concen: 5.489 ng
RT: 8.52 min Scan# 1094
Delta R.T. -0.05 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

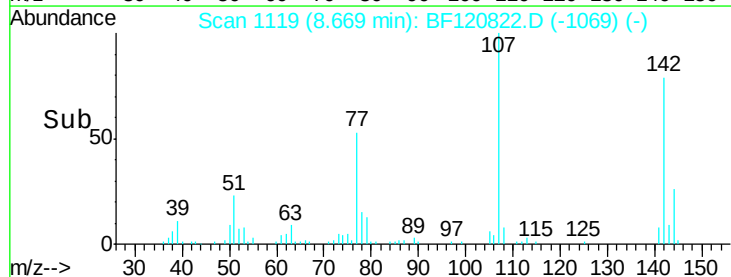
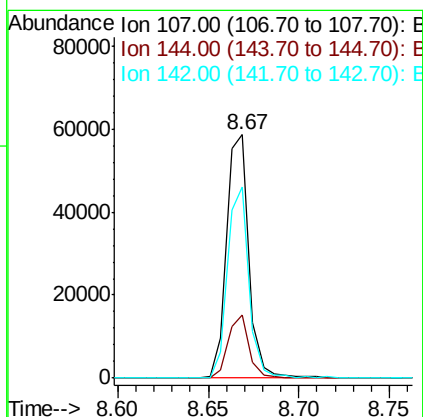
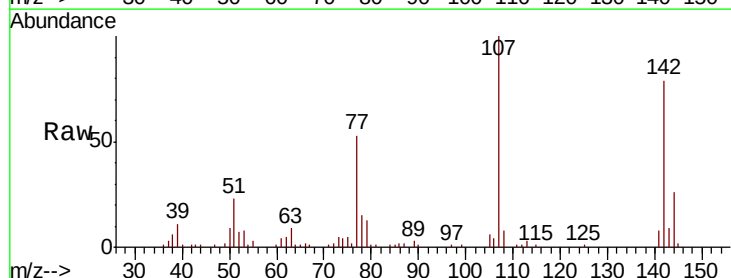
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

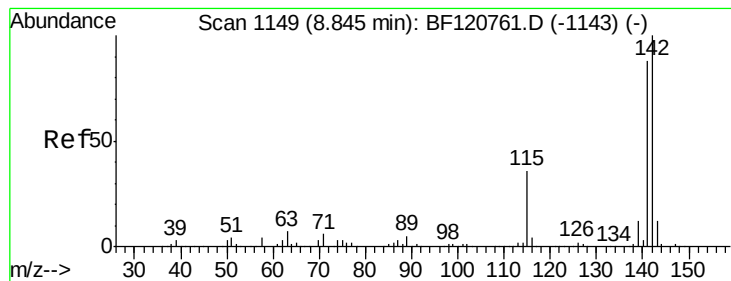
Tot Ion:113 Resp: 12427
Ion Ratio Lower Upper
113 100
55 179.7 168.3 208.3
56 132.1 118.8 158.8



#36
4-Chloro-3-methylphenol
Concen: 6.267 ng
RT: 8.67 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion:107 Resp: 50647
Ion Ratio Lower Upper
107 100
144 25.9 19.7 29.5
142 78.7 61.2 91.8





#37

2-Methylnaphthalene

Concen: 6.927 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

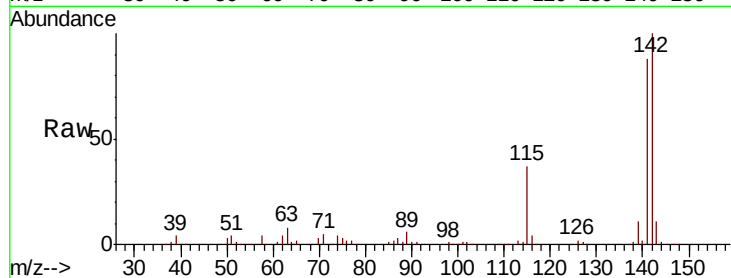
Tot Ion:142 Resp: 126053

Ion Ratio Lower Upper

142 100

141 88.4 70.2 105.4

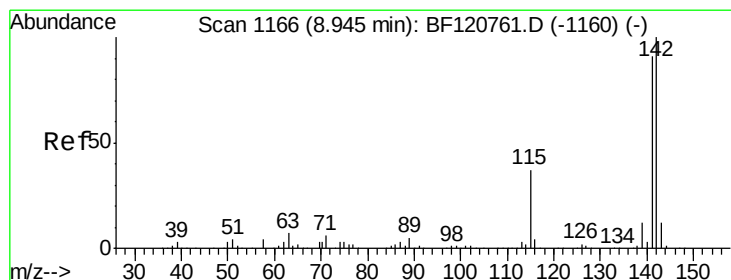
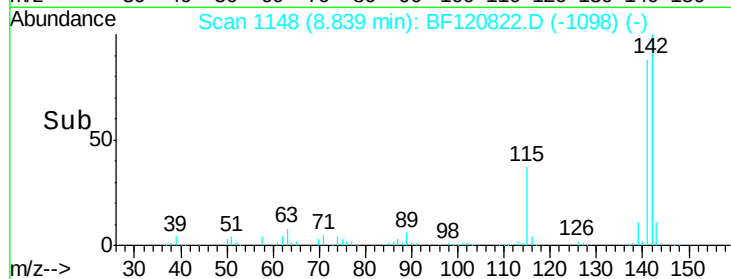
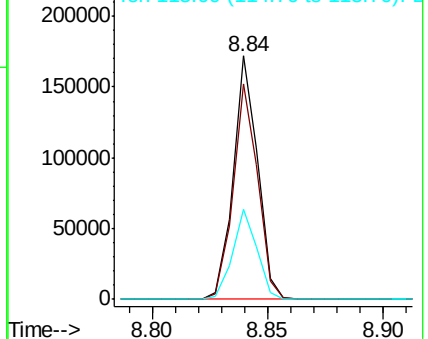
115 37.0 29.0 43.4



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: 6.981 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

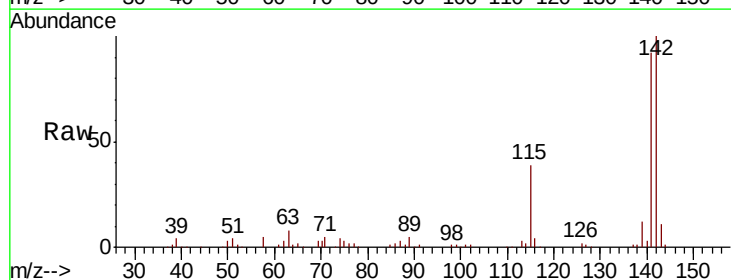
Tgt Ion:142 Resp: 118990

Ion Ratio Lower Upper

142 100

141 92.1 72.5 108.7

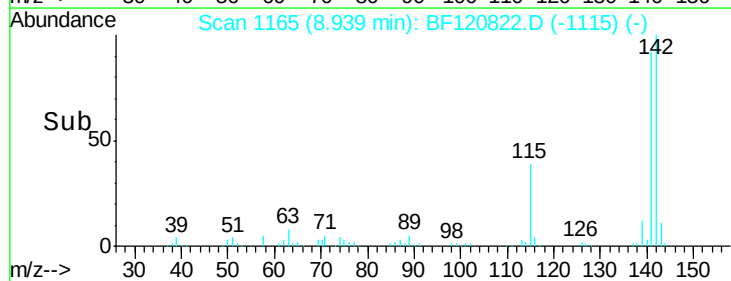
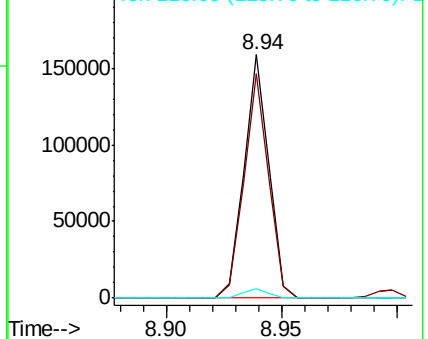
116 4.1 3.1 4.7

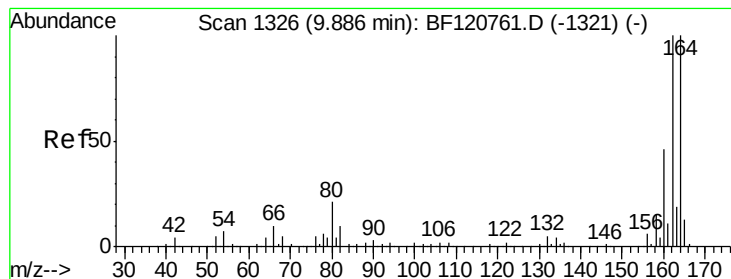


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

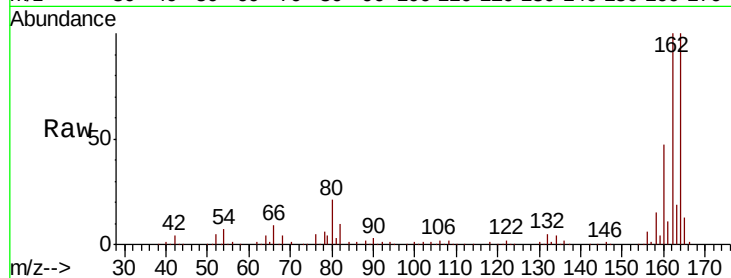
Tot Ion:164 Resp: 256173

Ion Ratio Lower Upper

164 100

162 99.7 80.2 120.2

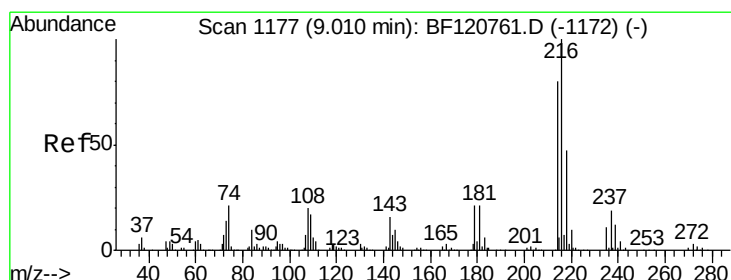
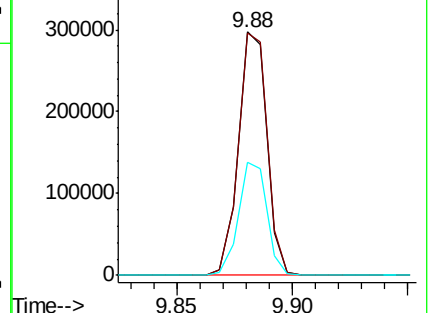
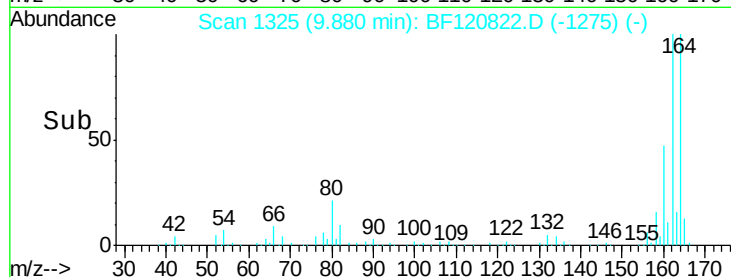
160 46.5 36.9 55.3



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: 7.177 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Tgt Ion:216 Resp: 55563

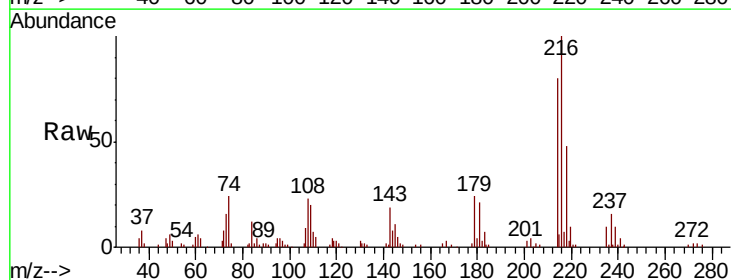
Ion Ratio Lower Upper

216 100

214 79.1 63.7 95.5

179 22.9 16.7 25.1

108 23.2 17.0 25.4

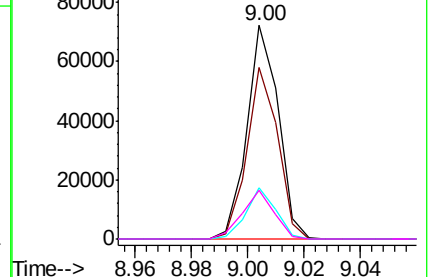
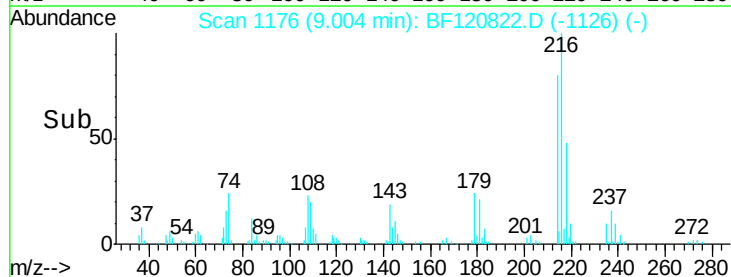


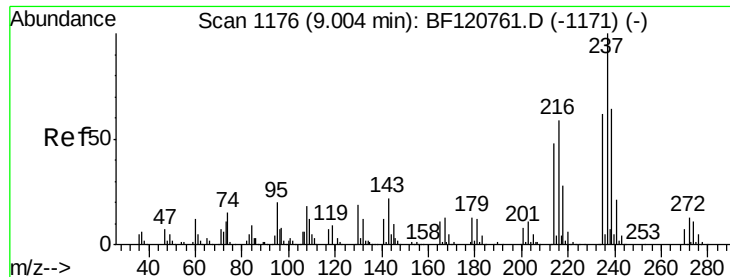
Abundance Ion 216.00 (215.70 to 216.70): E

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

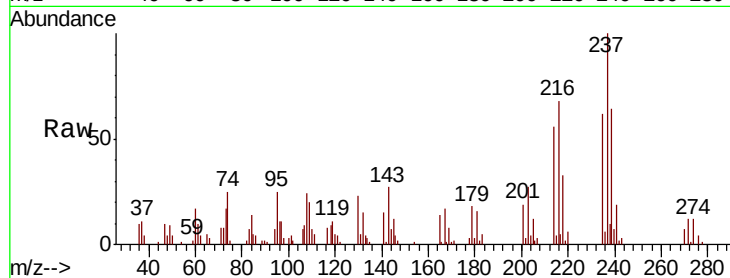




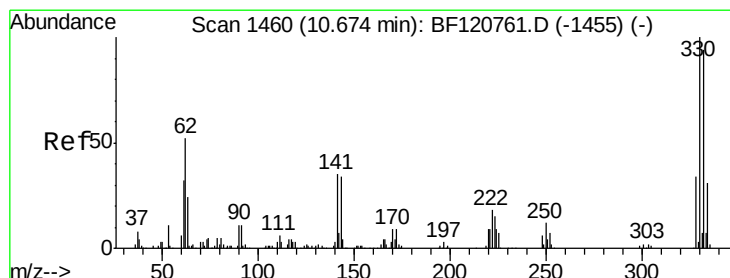
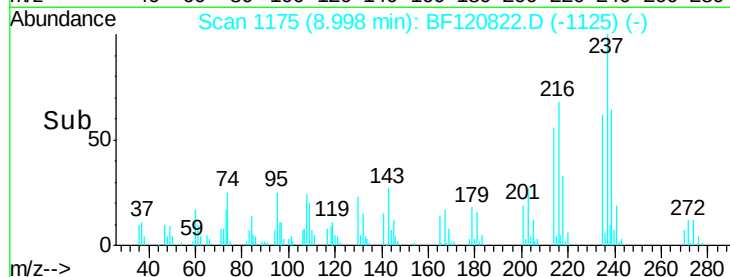
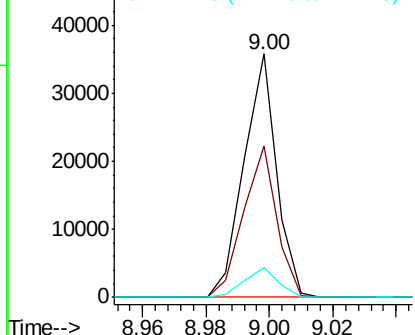
#41
Hexachlorocyclopentadiene
Concen: 5.587 ng
RT: 9.00 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:237 Resp: 25559
Ion Ratio Lower Upper
237 100
235 62.2 42.1 82.1
272 12.4 0.0 33.4

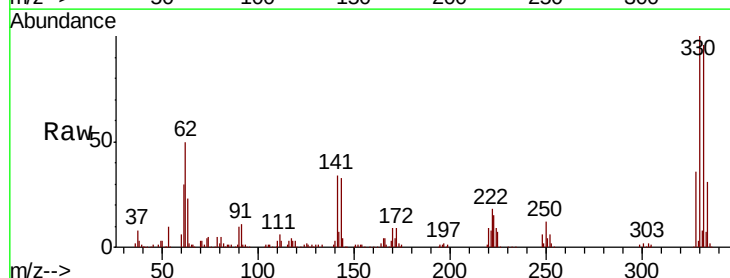


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

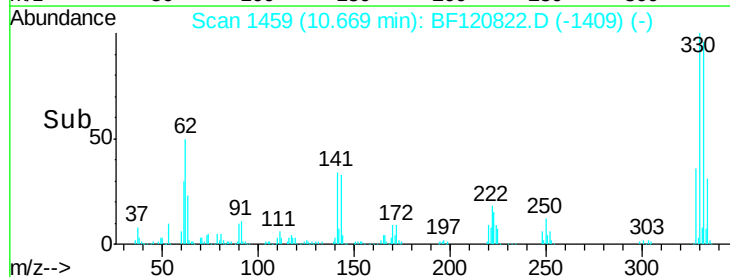
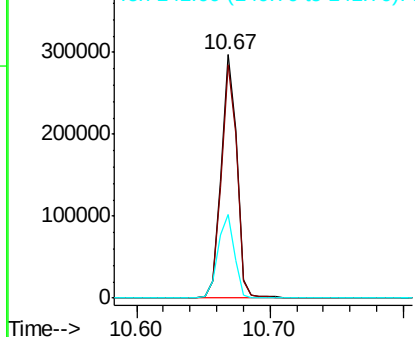


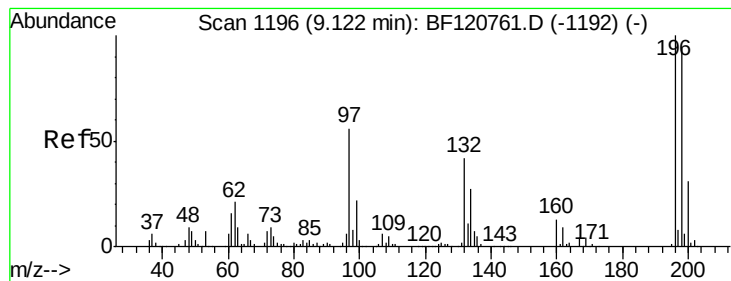
#42
2,4,6-Tribromophenol
Concen: 96.482 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion:330 Resp: 248308
Ion Ratio Lower Upper
330 100
332 96.0 75.8 113.6
141 36.4 29.7 44.5



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: 5.639 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

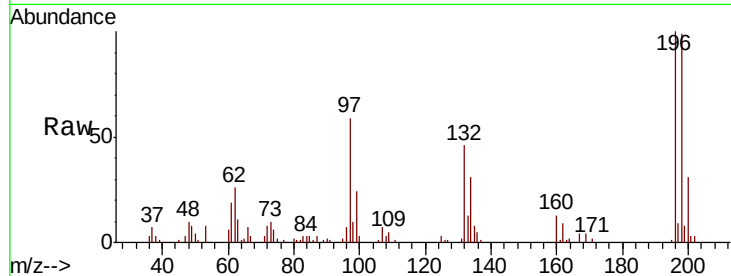
Tot Ion:196 Resp: 29751

Ion Ratio Lower Upper

196 100

198 99.0 75.3 112.9

200 30.9 24.4 36.6

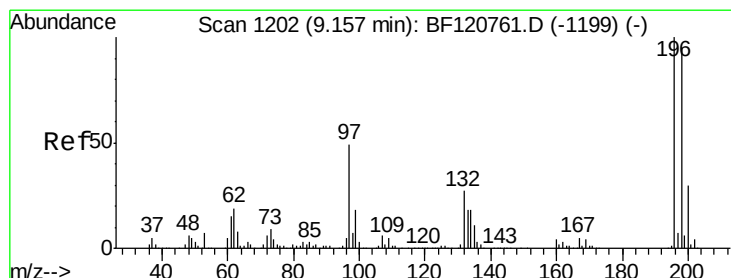
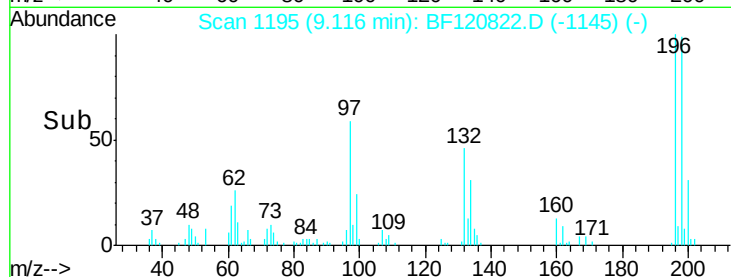


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

Time-->



#44

2,4,5-Trichlorophenol

Concen: 5.633 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Tgt Ion:196 Resp: 32978

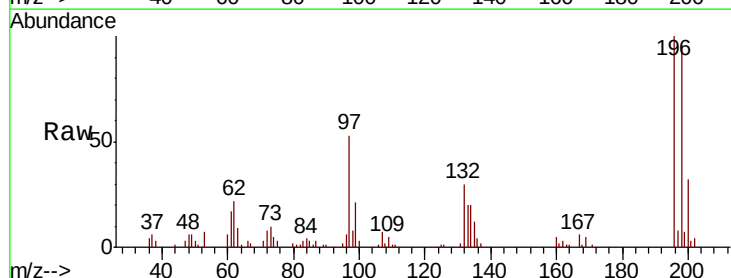
Ion Ratio Lower Upper

196 100

198 95.8 76.2 114.2

97 52.6 39.6 59.4

132 30.1 22.0 33.0



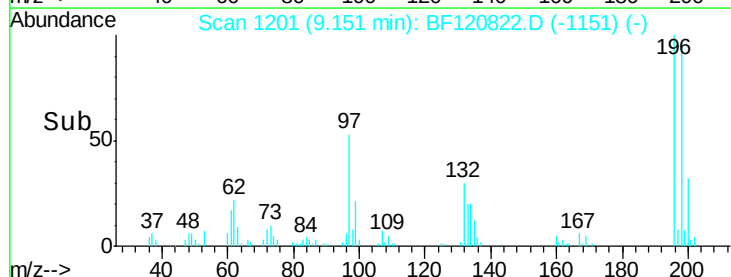
Abundance Ion 196.00 (195.70 to 196.70): E

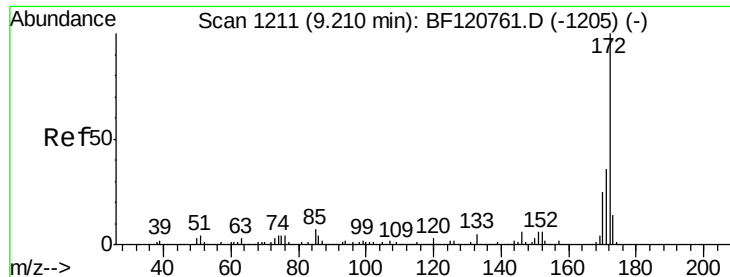
Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

Time-->

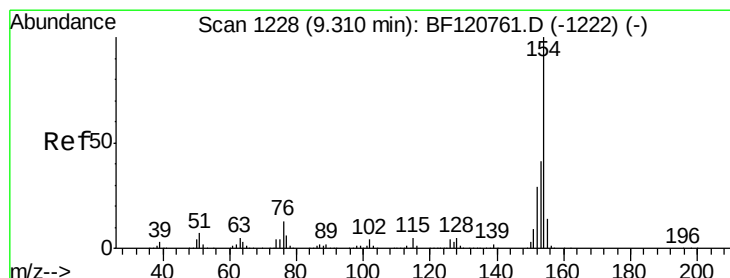
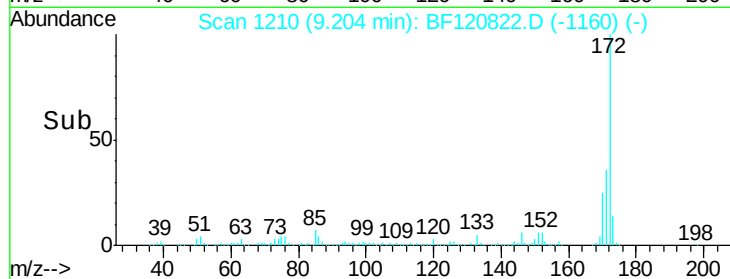
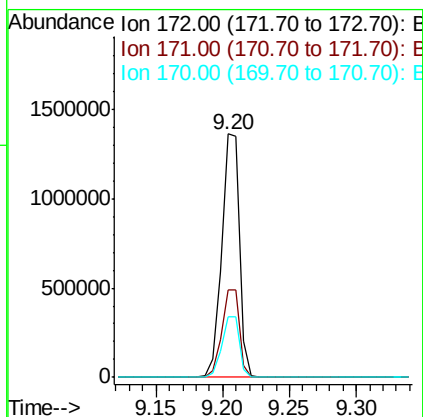
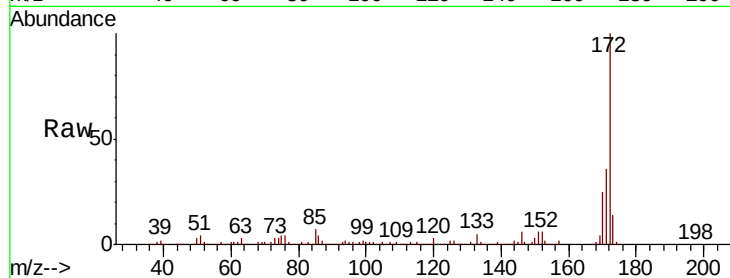




#45
2-Fluorobiphenyl
Concen: 75.534 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

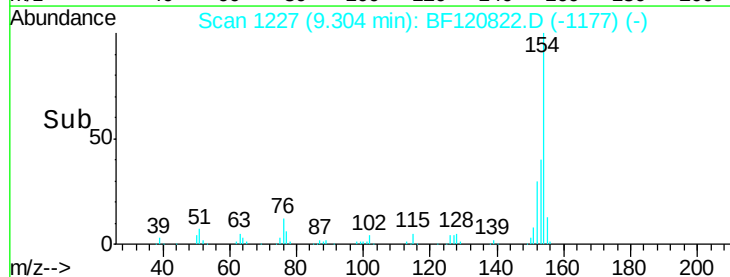
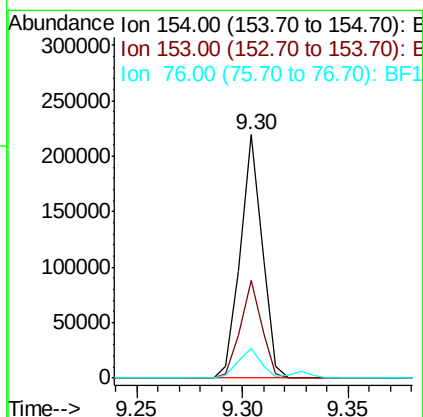
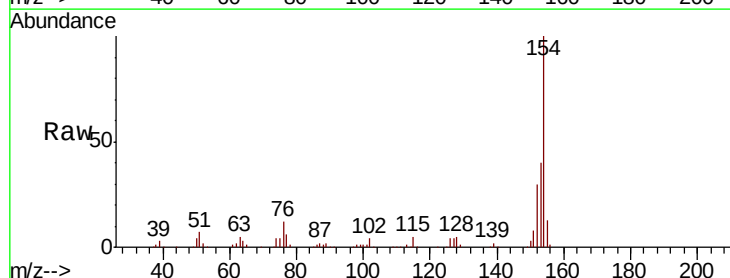
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

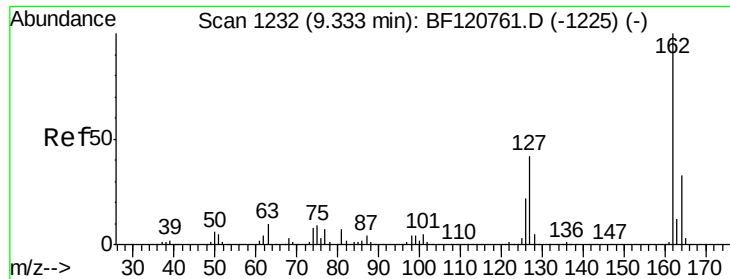
Tot Ion:172 Resp: 1278956
Ion Ratio Lower Upper
172 100
171 35.9 29.1 43.7
170 25.0 19.8 29.6



#46
1,1'-Biphenyl
Concen: 7.587 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion:154 Resp: 156775
Ion Ratio Lower Upper
154 100
153 40.3 20.7 60.7
76 12.2 0.0 33.3

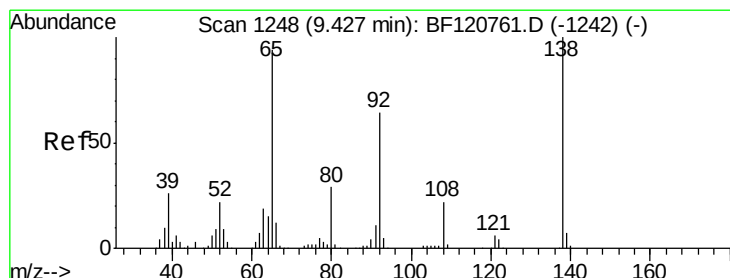
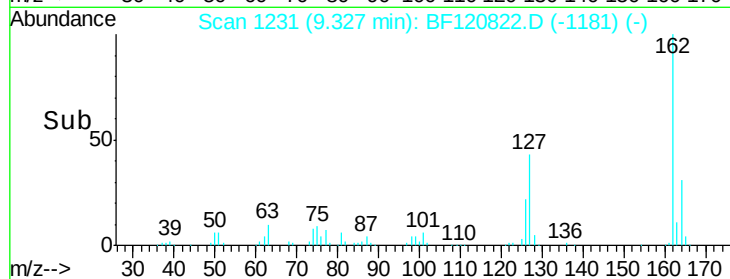
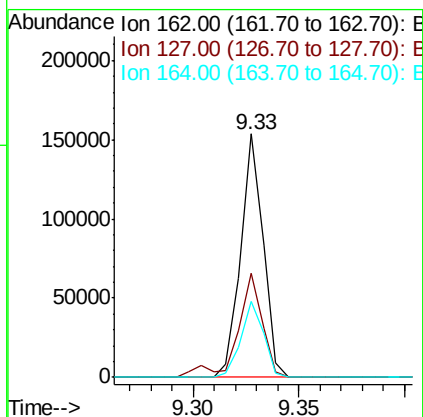
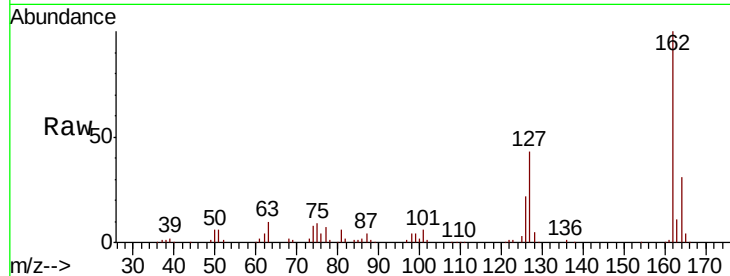




#47
 2-Chloronaphthalene
 Concen: 6.783 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

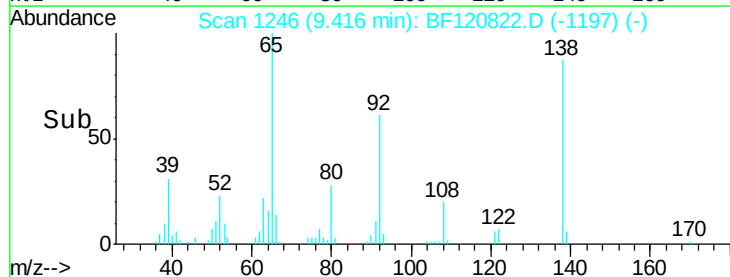
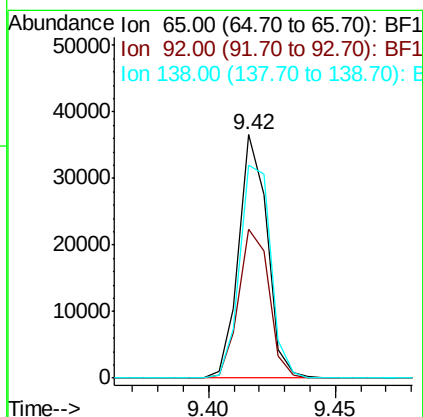
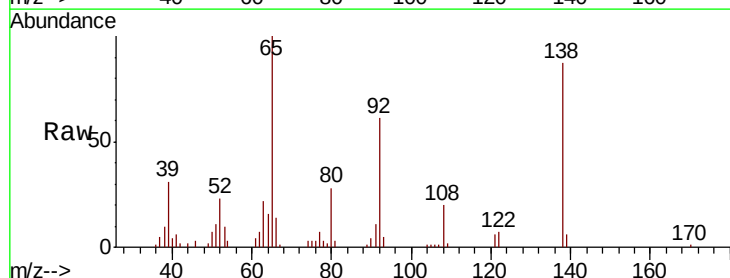
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

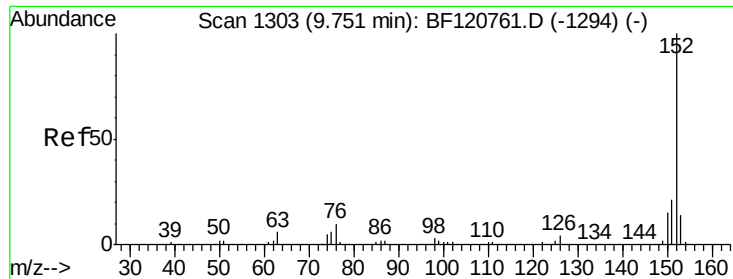
Tot Ion:162 Resp: 112294
 Ion Ratio Lower Upper
 162 100
 127 43.0 33.7 50.5
 164 31.4 26.4 39.6



#48
 2-Nitroaniline
 Concen: 6.446 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Tgt Ion: 65 Resp: 28553
 Ion Ratio Lower Upper
 65 100
 92 61.1 54.4 81.6
 138 87.4 84.7 127.1





#49

Acenaphthylene

Concen: 6.919 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

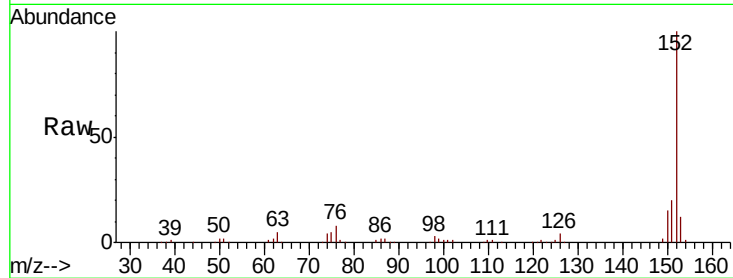
Tot Ion:152 Resp: 179571

Ion Ratio Lower Upper

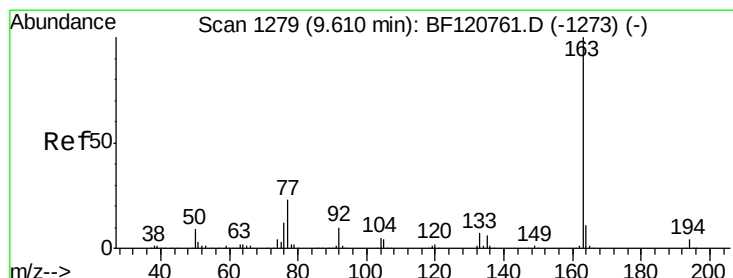
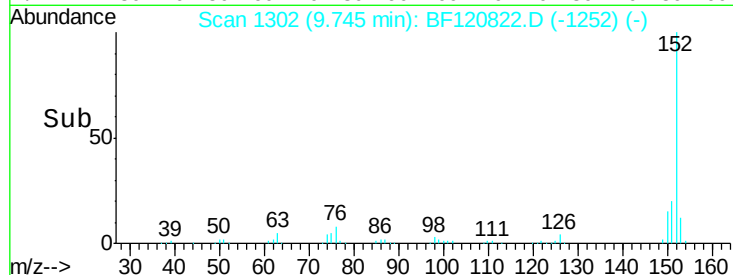
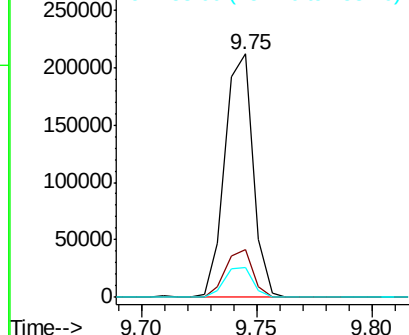
152 100

151 19.6 16.9 25.3

153 12.3 10.8 16.2



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: 6.559 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

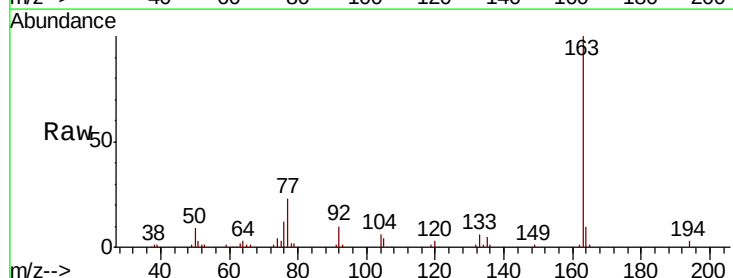
Tgt Ion:163 Resp: 122572

Ion Ratio Lower Upper

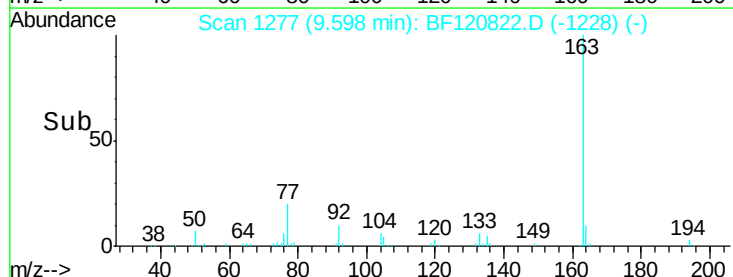
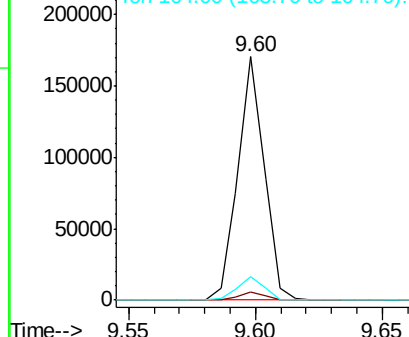
163 100

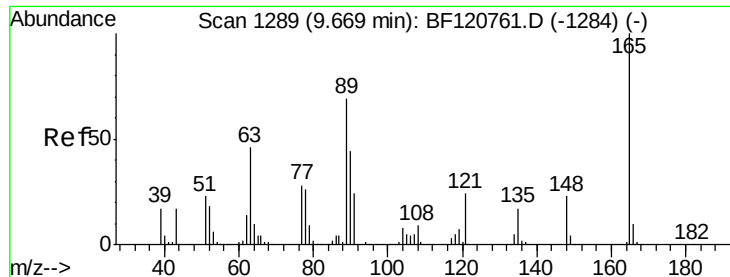
194 3.5 2.9 4.3

164 9.7 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: 6.605 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

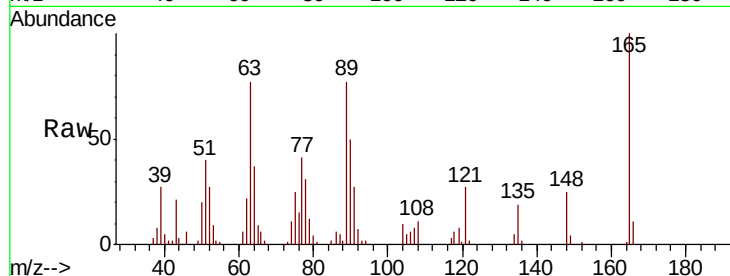
Tot Ion:165 Resp: 22300

Ion Ratio Lower Upper

165 100

63 76.7 54.0 81.0

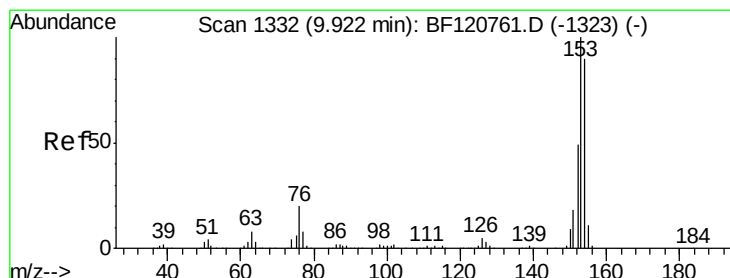
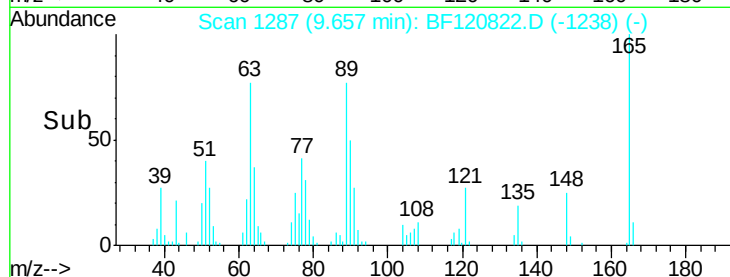
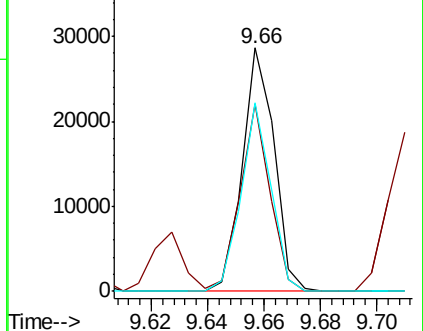
89 77.3 55.4 83.2



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: 6.619 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

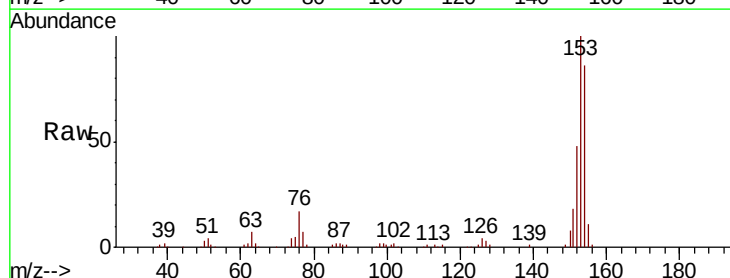
Tgt Ion:154 Resp: 106569

Ion Ratio Lower Upper

154 100

153 115.8 88.6 132.8

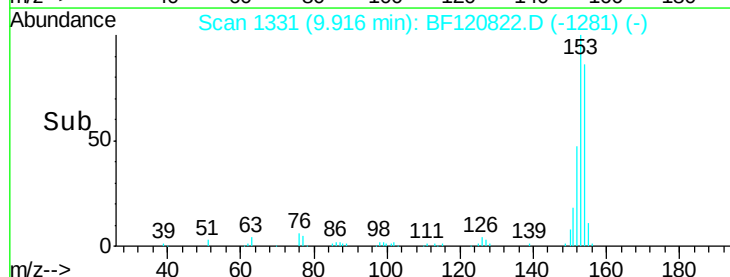
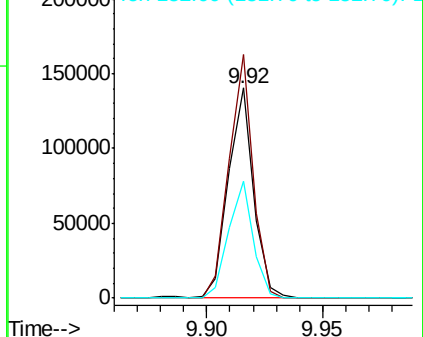
152 55.7 43.6 65.4

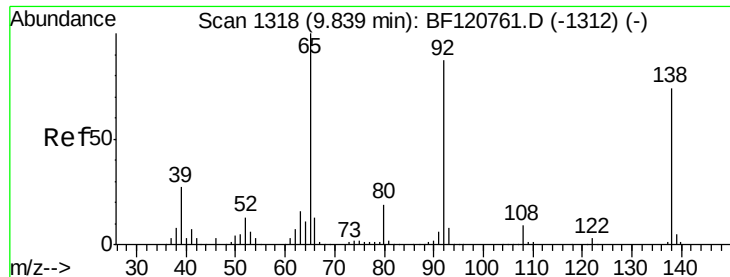


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

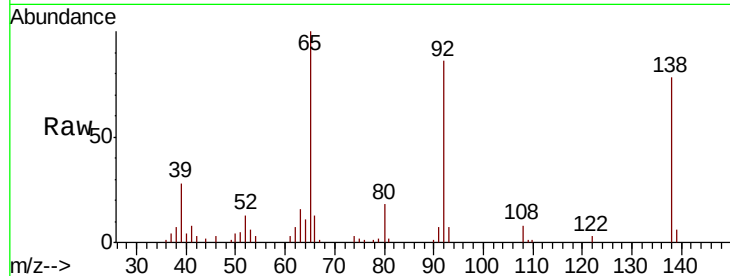




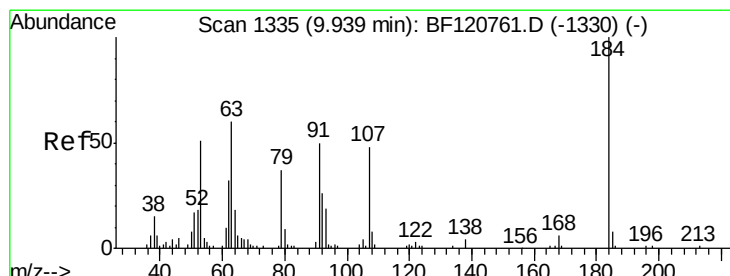
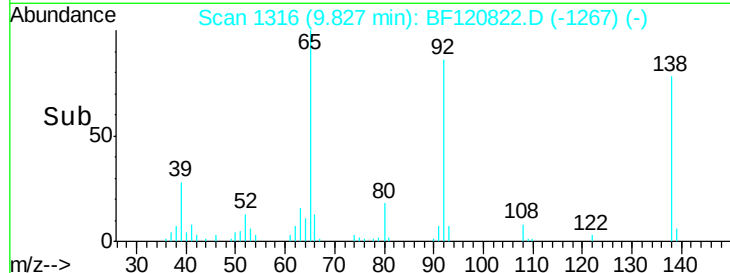
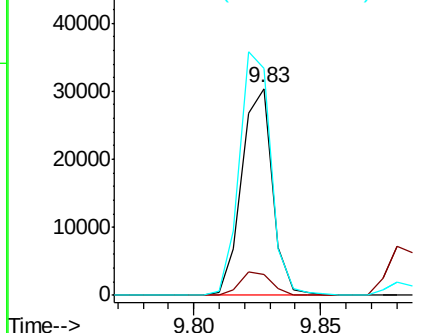
#53
3-Nitroaniline
Concen: 6.140 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:138 Resp: 25609
Ion Ratio Lower Upper
138 100
108 10.4 9.8 14.6
92 109.8 93.4 140.2

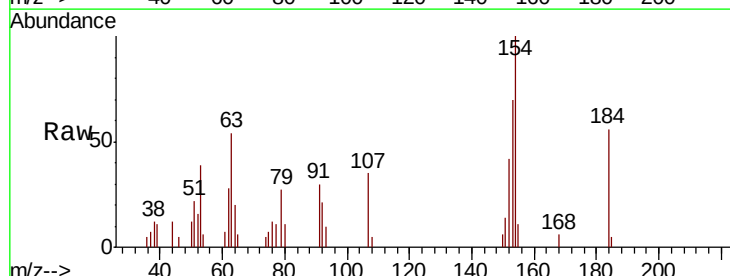


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

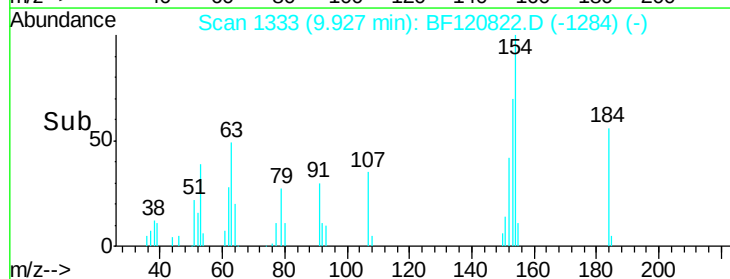
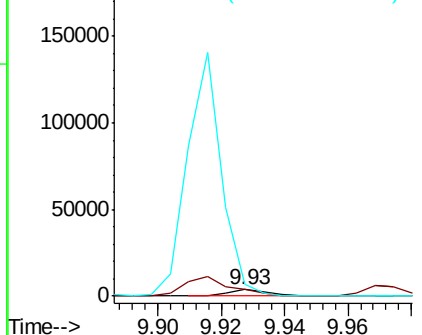


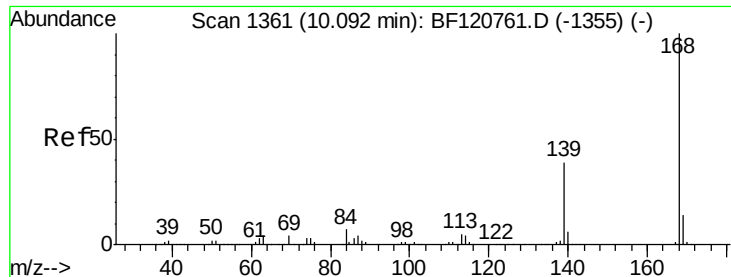
#54
2,4-Dinitrophenol
Concen: 2.840 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion:184 Resp: 3167
Ion Ratio Lower Upper
184 100
63 95.2 57.3 85.9#
154 177.9 55.8 83.6#



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

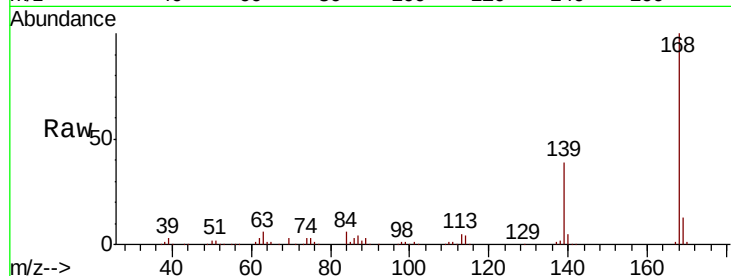




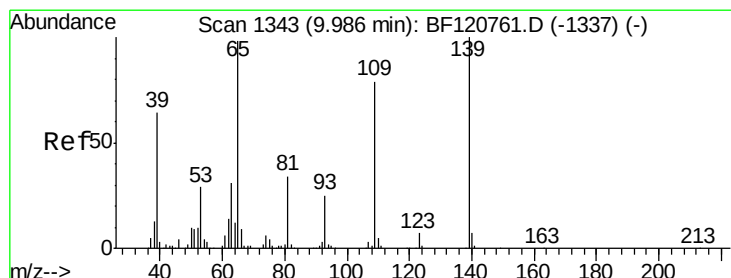
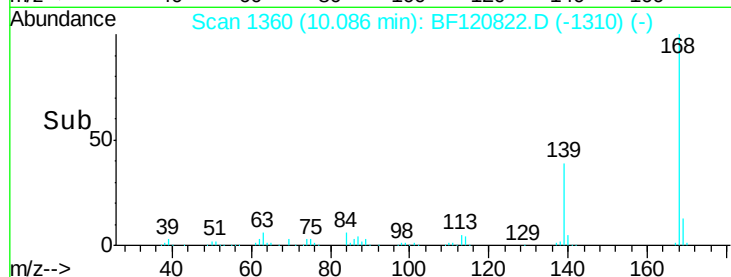
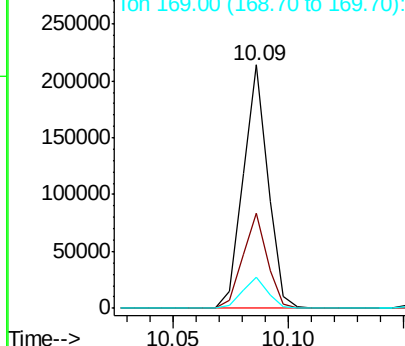
#55
Dibenzenofuran
Concen: 6.904 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:168 Resp: 160225
Ion Ratio Lower Upper
168 100
139 39.2 31.3 46.9
169 13.0 11.2 16.8

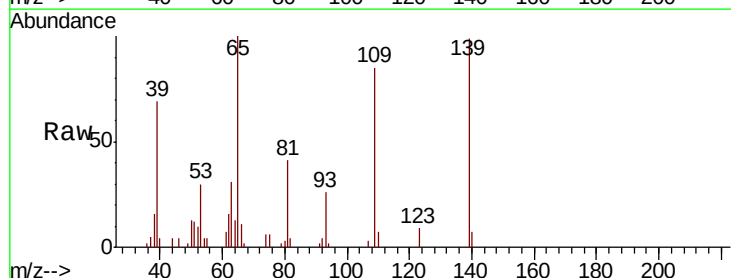


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

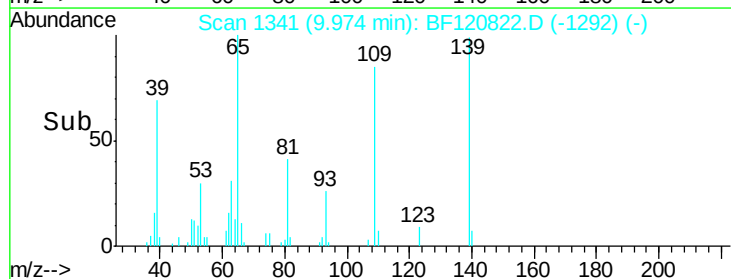
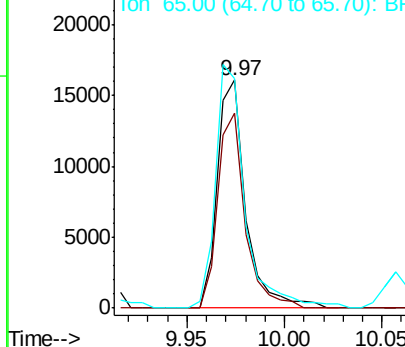


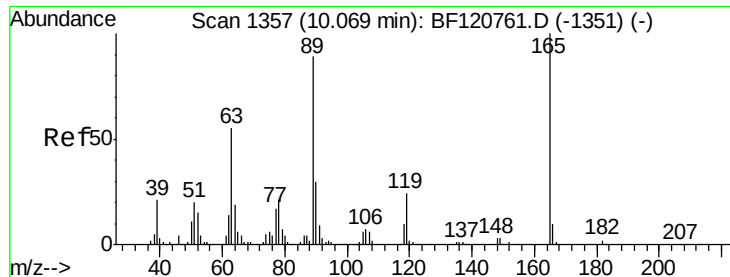
#56
4-Nitrophenol
Concen: 5.321 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion:139 Resp: 16301
Ion Ratio Lower Upper
139 100
109 85.3 58.6 98.6
65 100.8 78.7 118.7



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

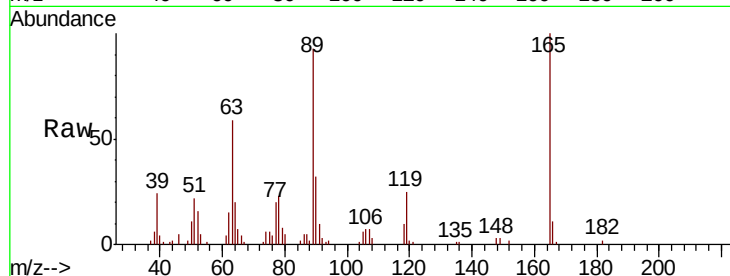




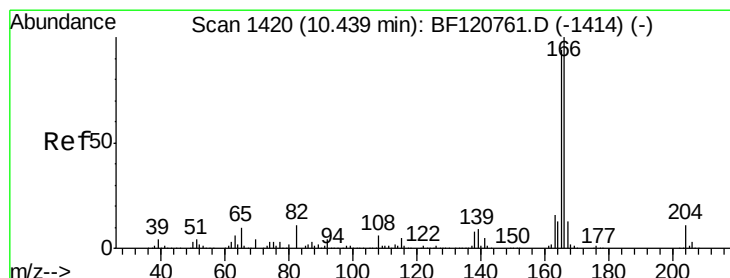
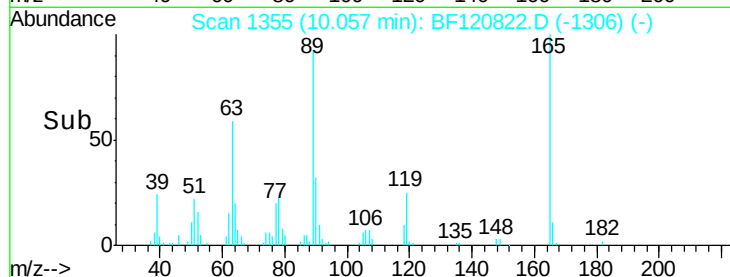
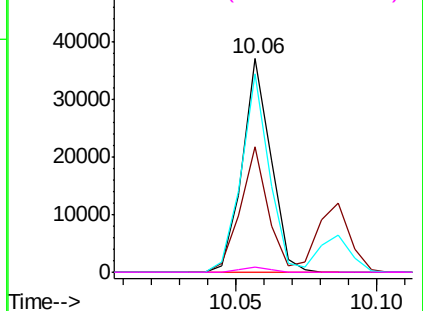
#57
2,4-Dinitrotoluene
Concen: 6.401 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:165 Resp: 25943
Ion Ratio Lower Upper
165 100
63 58.8 43.8 65.8
89 92.7 71.4 107.2
182 2.2 1.8 2.6

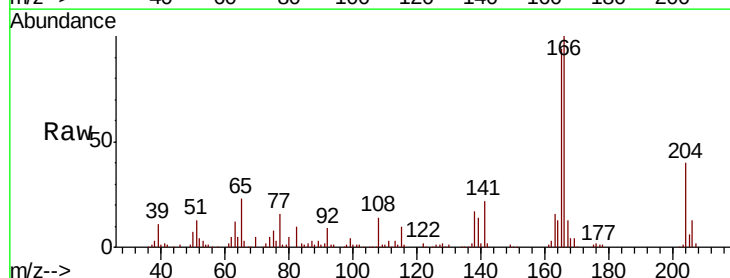


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

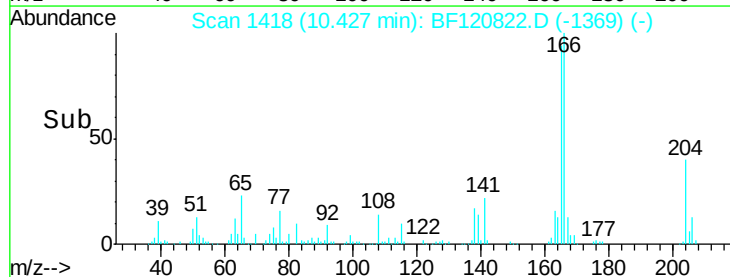
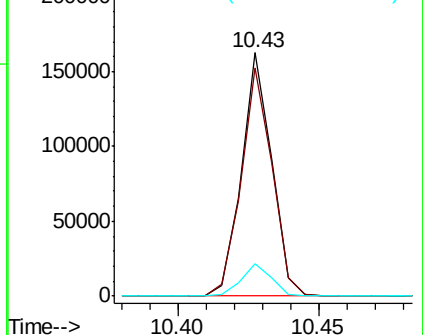


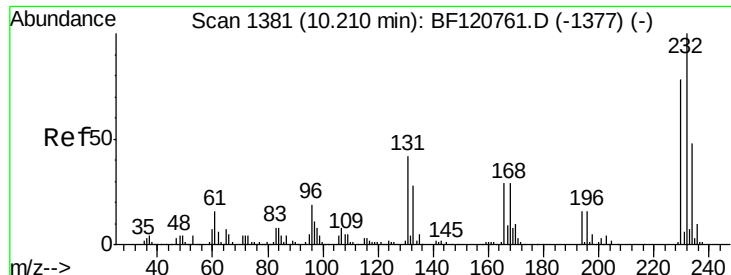
#58
Fluorene
Concen: 6.959 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion:166 Resp: 120218
Ion Ratio Lower Upper
166 100
165 93.8 75.5 113.3
167 13.3 10.6 16.0



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

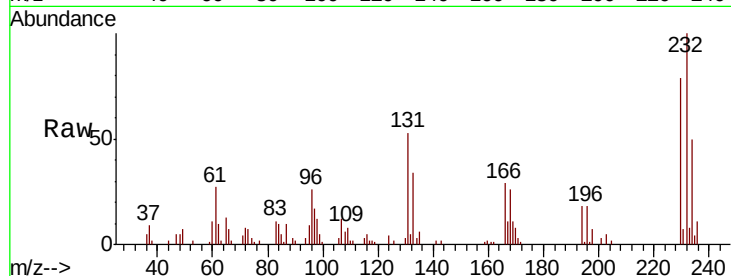




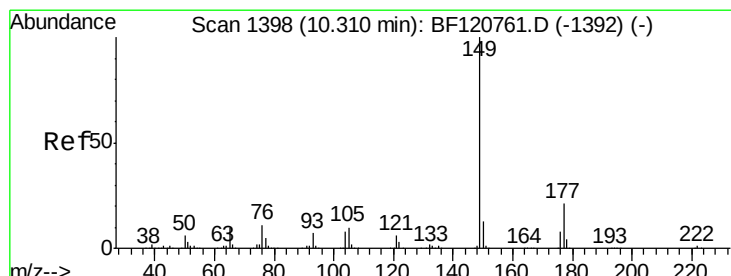
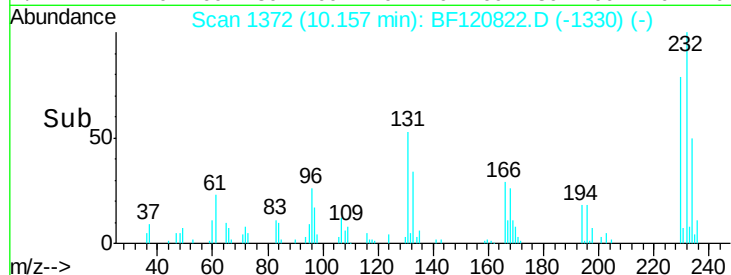
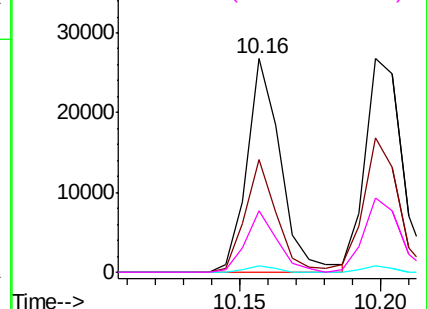
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 5.125 ng
 RT: 10.16 min Scan# 1372
 Delta R.T. -0.05 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion:	232	Resp:	22329
Ion	Ratio	Lower	Upper
232	100		
131	49.2	36.3	54.5
130	2.6	2.0	3.0
166	26.8	20.9	31.3

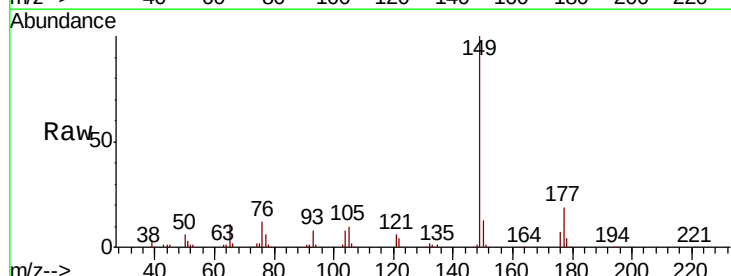


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

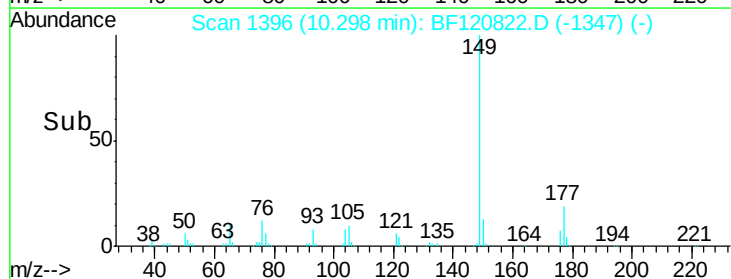
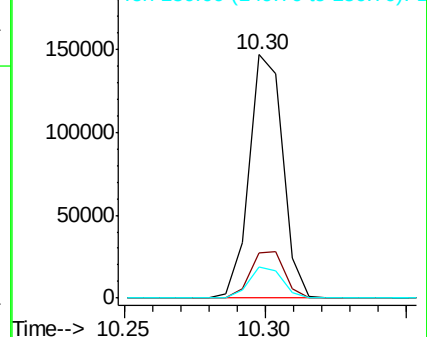


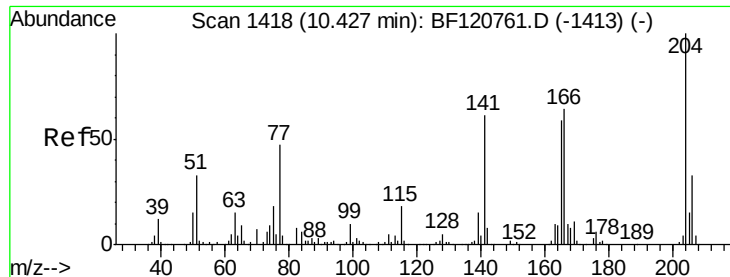
#60
 Diethylphthalate
 Concen: 6.237 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Tgt Ion:	149	Resp:	121414
Ion	Ratio	Lower	Upper
149	100		
177	18.5	16.4	24.6
150	12.7	10.2	15.4



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

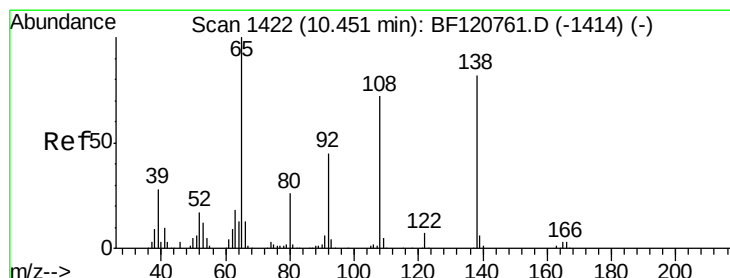
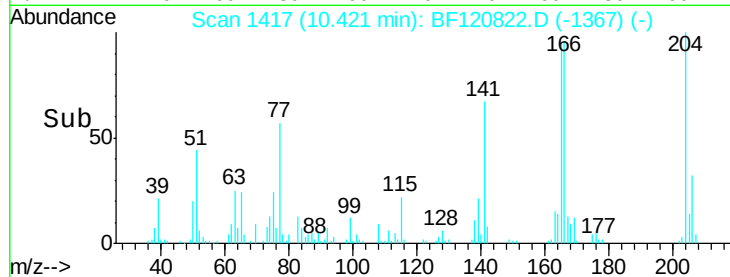
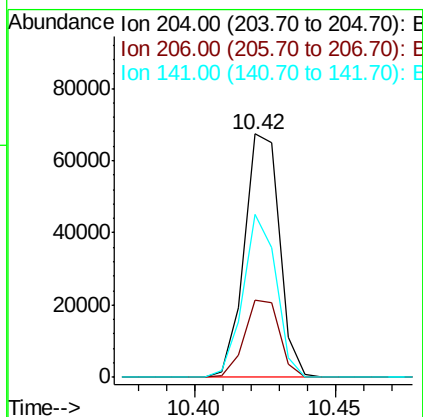
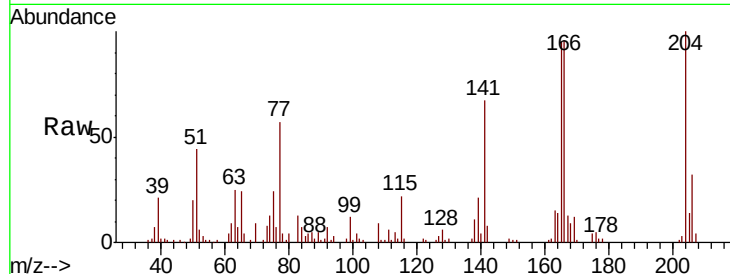




#61
4-Chlorophenyl-phenylether
Concen: 6.709 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

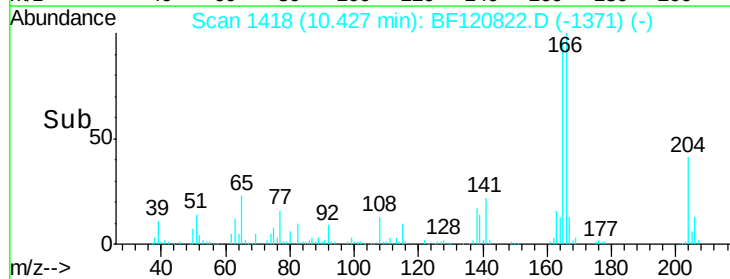
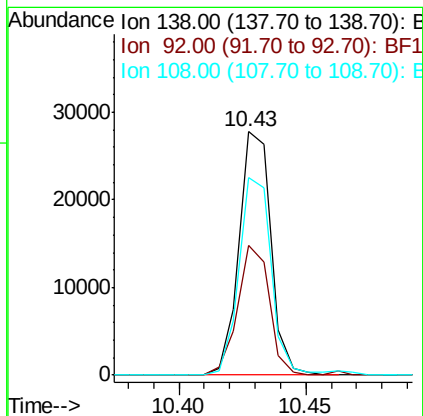
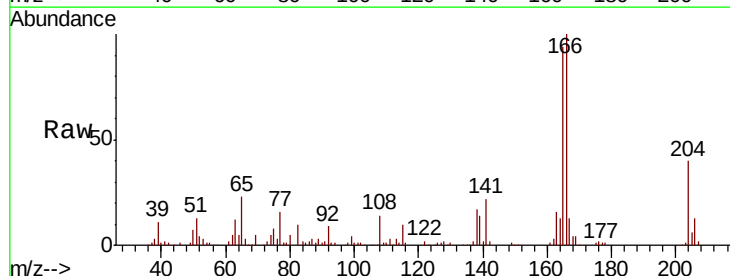
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

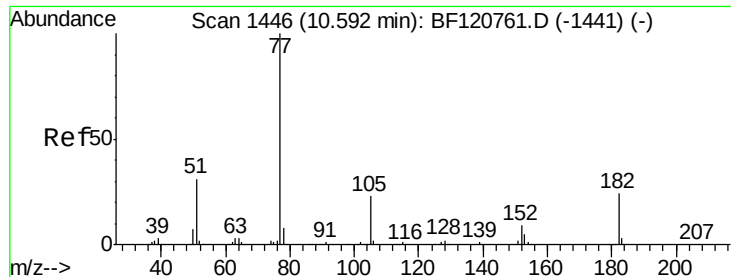
Tot Ion:204 Resp: 58263
Ion Ratio Lower Upper
204 100
206 31.9 26.7 40.1
141 67.0 48.5 72.7



#62
4-Nitroaniline
Concen: 6.109 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.02 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion:138 Resp: 24254
Ion Ratio Lower Upper
138 100
92 53.5 34.3 74.3
108 80.9 68.3 108.3





#63

Azobenzene

Concen: 6.681 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion: 77 Resp: 133039

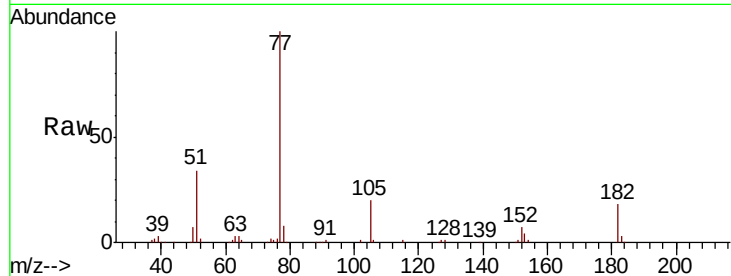
Ion Ratio Lower Upper

77 100

182 17.9 4.0 44.0

105 20.1 2.6 42.6

51 33.6 11.5 51.5

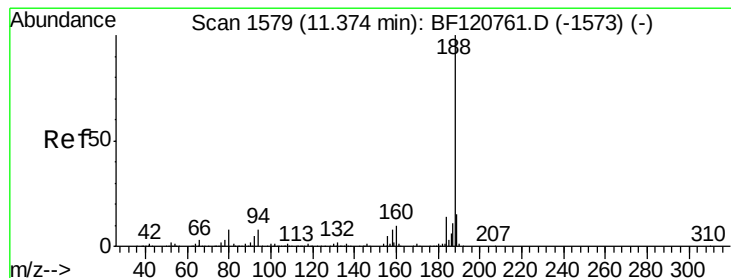
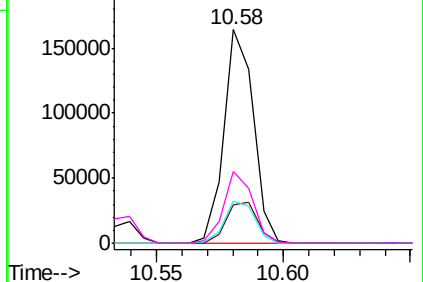
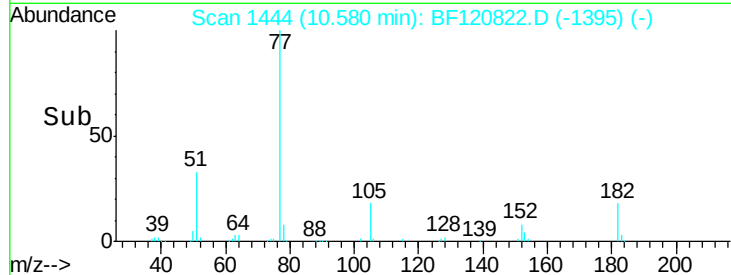


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

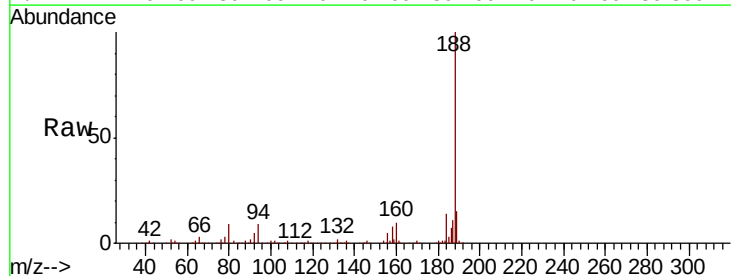
Tgt Ion: 188 Resp: 441700

Ion Ratio Lower Upper

188 100

94 8.7 6.6 9.8

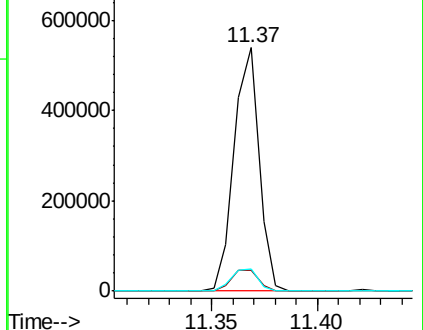
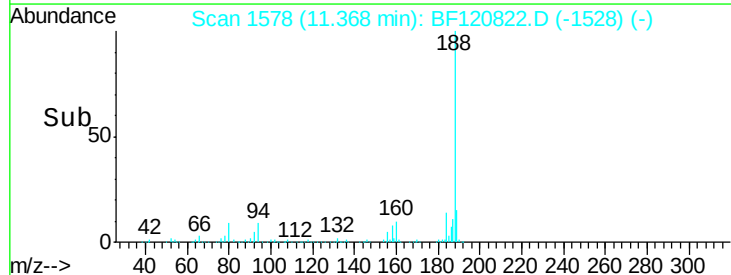
80 8.9 6.6 10.0

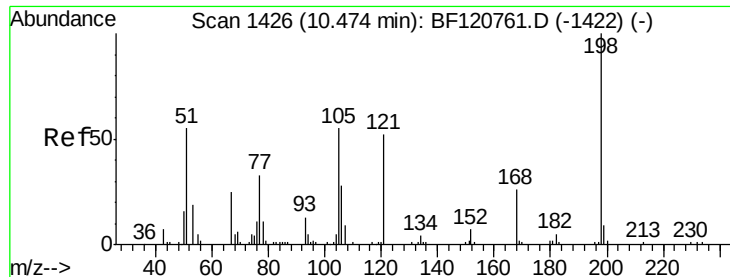


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

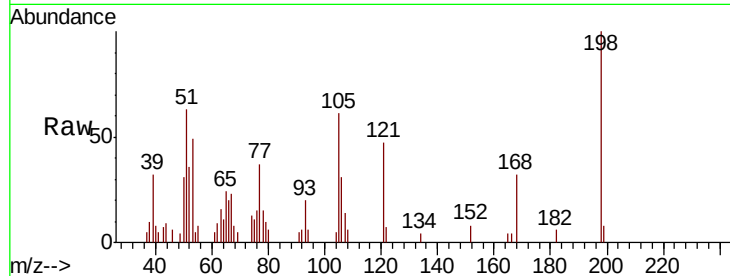




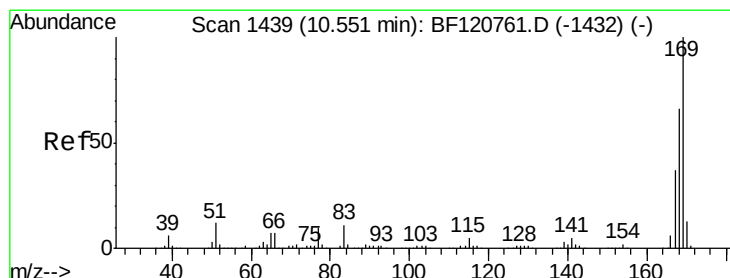
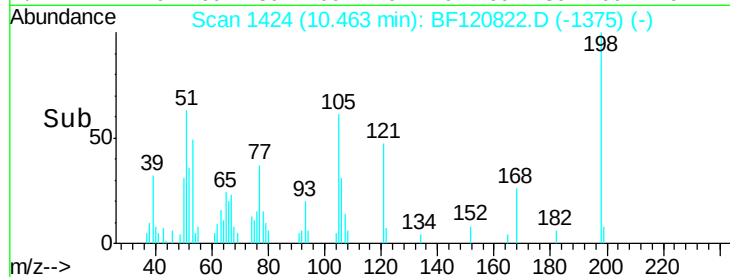
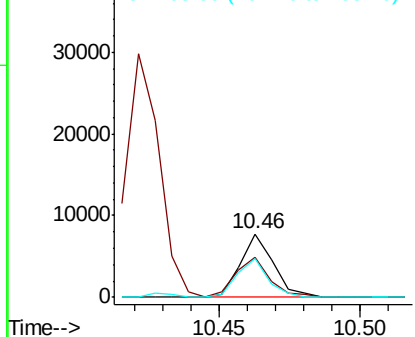
#65
4,6-Dinitro-2-methylphenol
Concen: 4.410 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:198 Resp: 6259
Ion Ratio Lower Upper
198 100
51 62.9 50.0 90.0
105 61.3 38.3 78.3

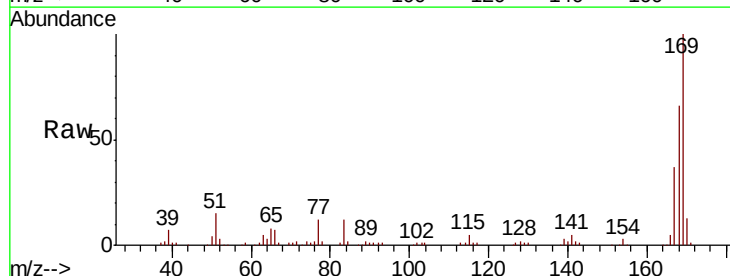


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

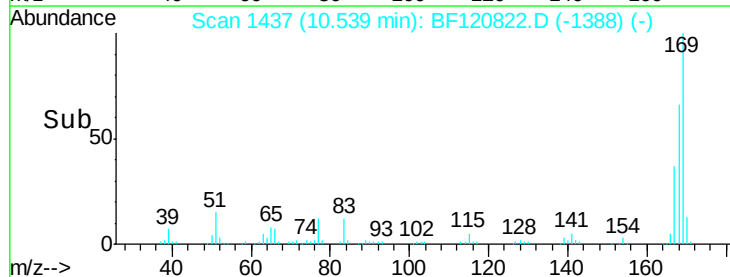
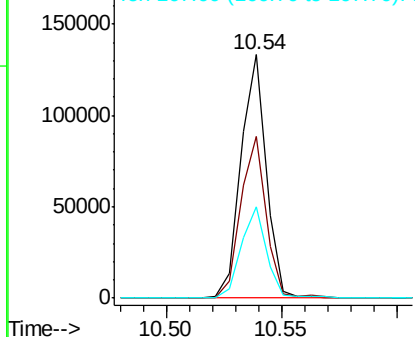


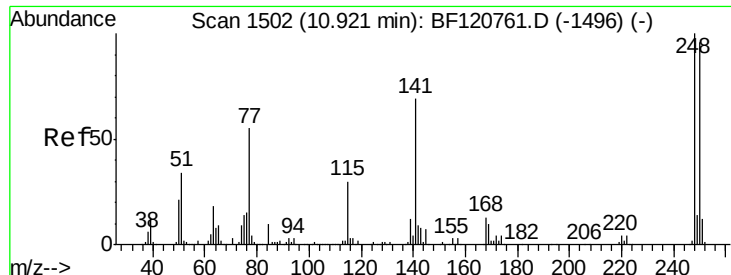
#66
n-Nitrosodiphenylamine
Concen: 6.873 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion:169 Resp: 101749
Ion Ratio Lower Upper
169 100
168 66.4 53.1 79.7
167 37.4 29.6 44.4



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

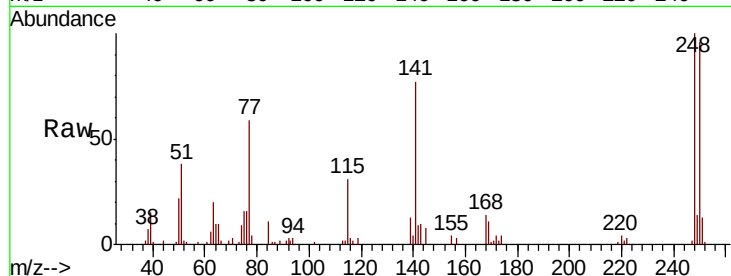




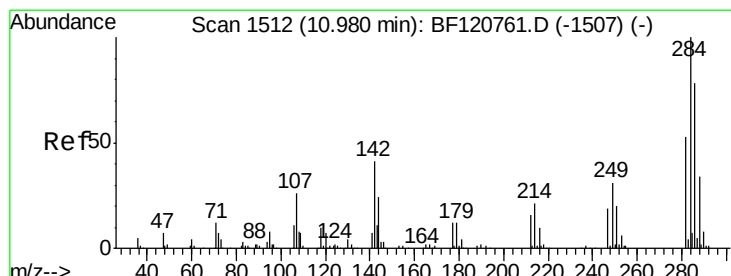
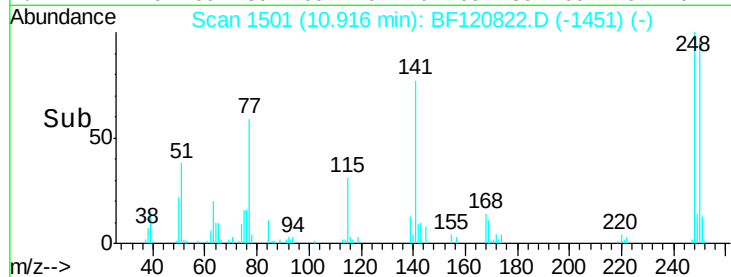
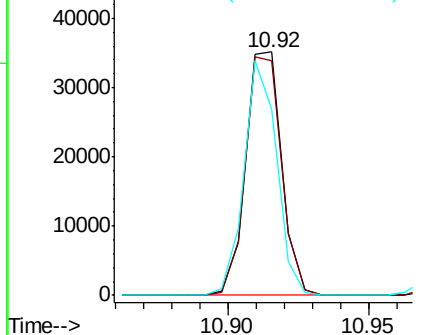
#67
 4-Bromophenyl-phenylether
 Concen: 6.073 ng
 RT: 10.92 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion:248 Resp: 31116
 Ion Ratio Lower Upper
 248 100
 250 96.4 76.5 114.7
 141 76.6 54.9 82.3

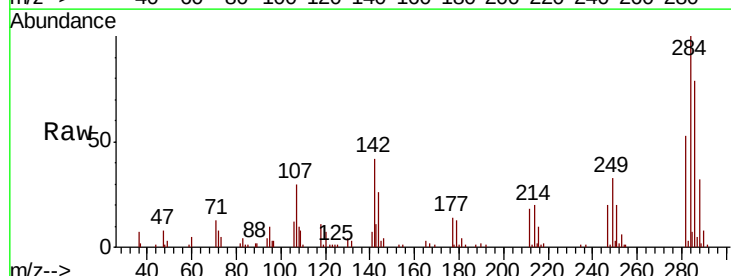


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

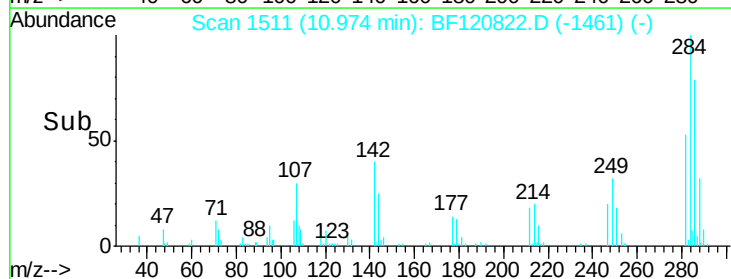
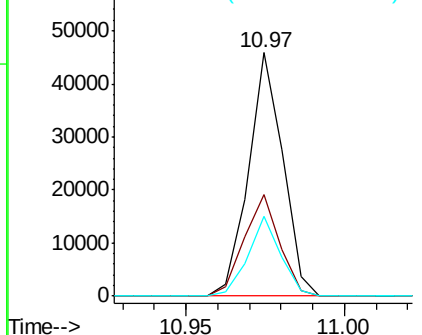


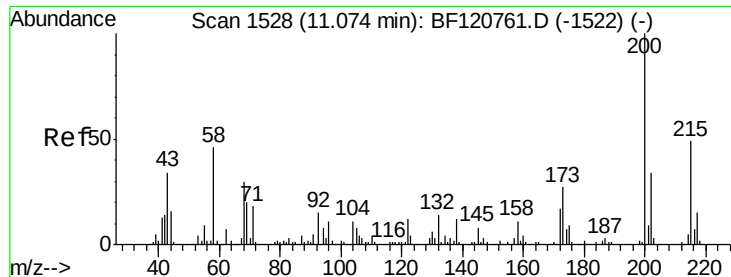
#68
 Hexachlorobenzene
 Concen: 6.397 ng
 RT: 10.97 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Tgt Ion:284 Resp: 34394
 Ion Ratio Lower Upper
 284 100
 142 41.9 32.5 48.7
 249 32.9 24.8 37.2



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

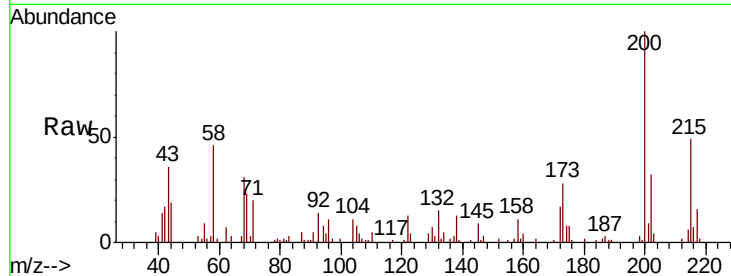




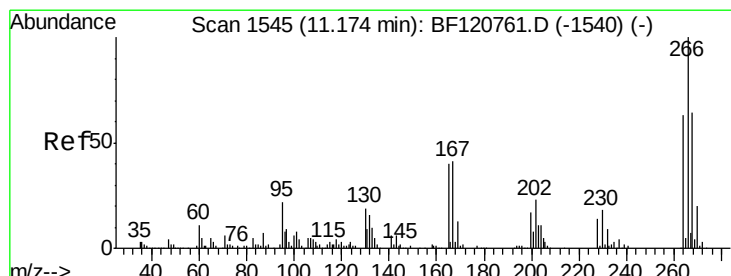
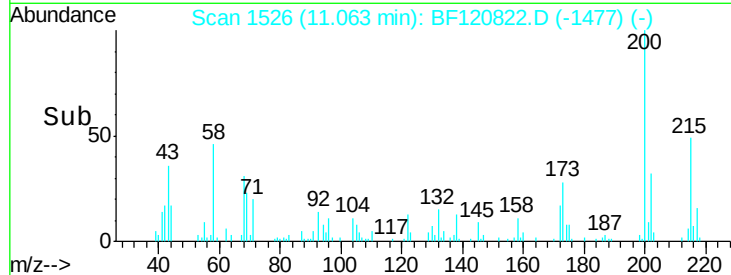
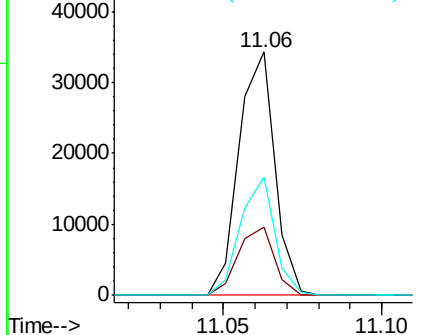
#69
Atrazine
Concen: 7.047 ng
RT: 11.06 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:200 Resp: 26879
Ion Ratio Lower Upper
200 100
173 28.2 7.4 47.4
215 48.8 28.8 68.8

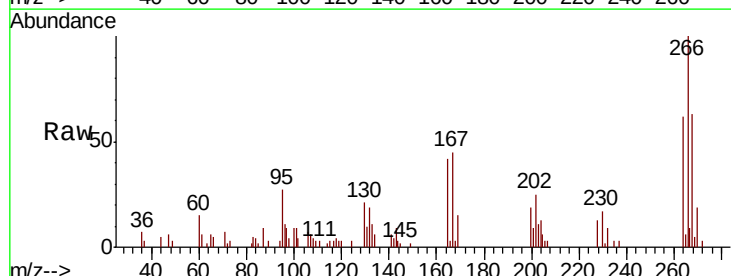


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

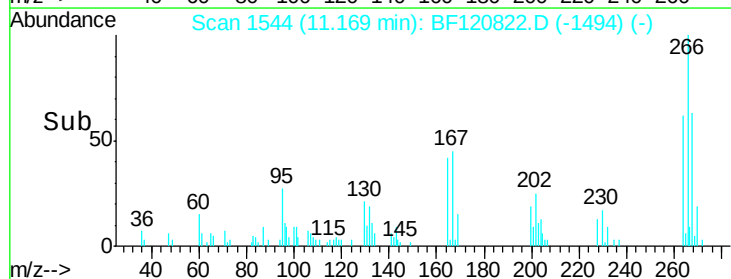
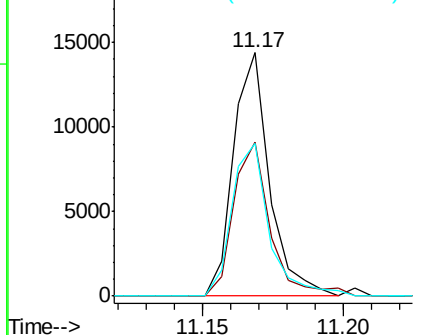


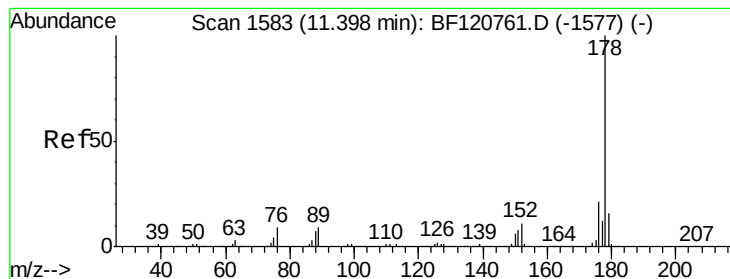
#70
Pentachlorophenol
Concen: 4.201 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion:266 Resp: 12779
Ion Ratio Lower Upper
266 100
268 63.2 51.4 77.2
264 68.5 50.6 75.8



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: 6.939 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

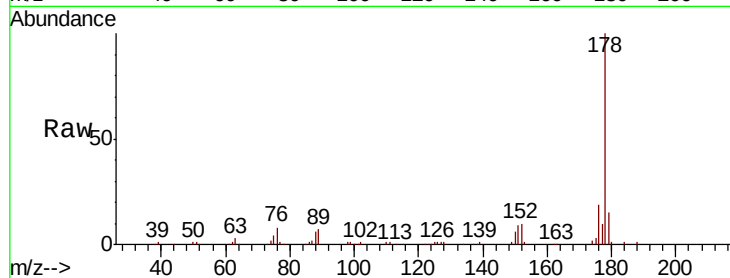
Tot Ion:178 Resp: 166309

Ion Ratio Lower Upper

178 100

176 19.1 16.4 24.6

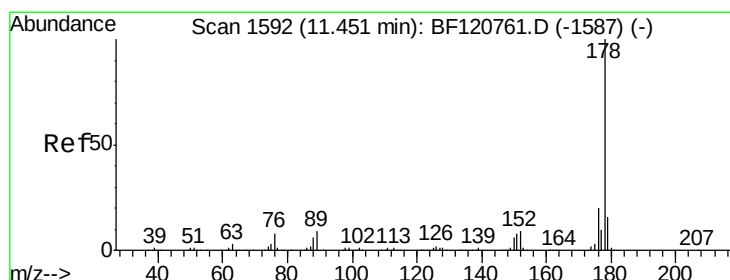
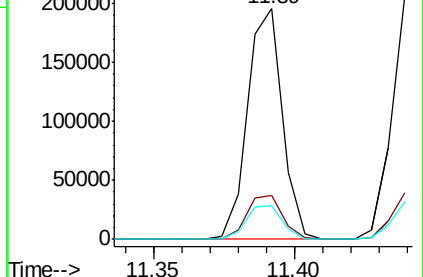
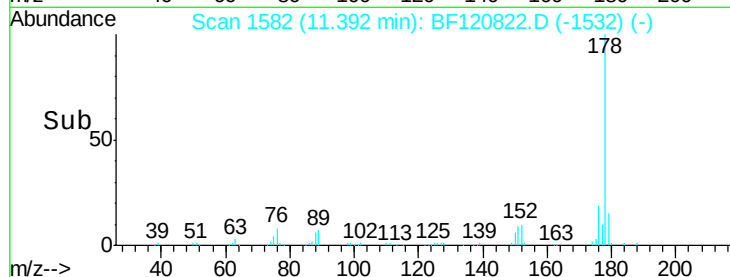
179 14.7 12.9 19.3



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



#72

Anthracene

Concen: 6.872 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

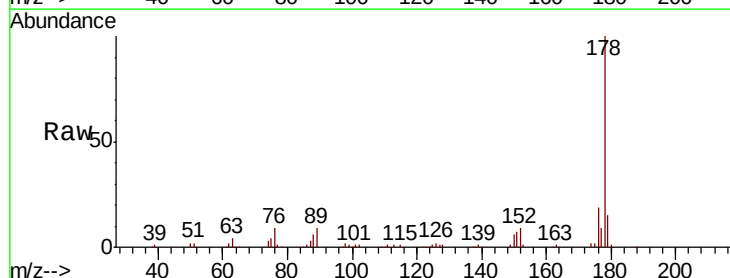
Tgt Ion:178 Resp: 166428

Ion Ratio Lower Upper

178 100

176 18.9 16.2 24.2

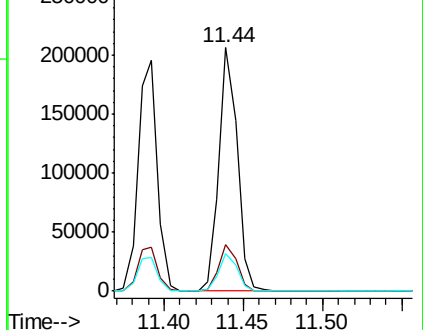
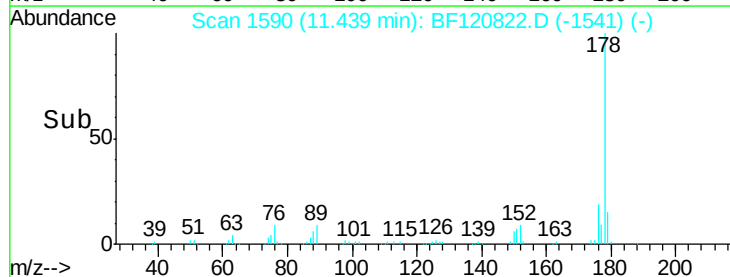
179 15.4 12.7 19.1

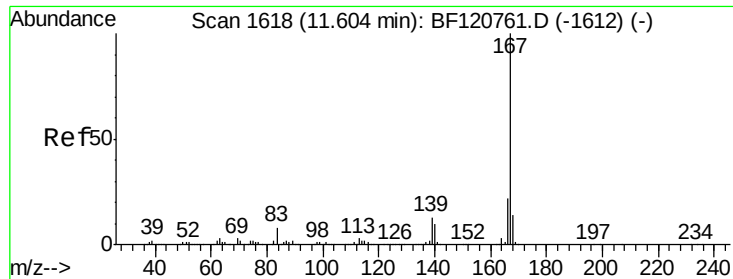


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

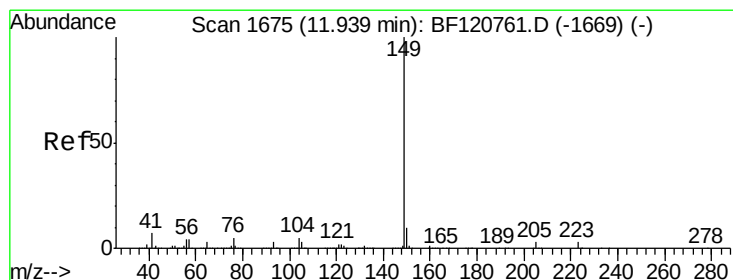
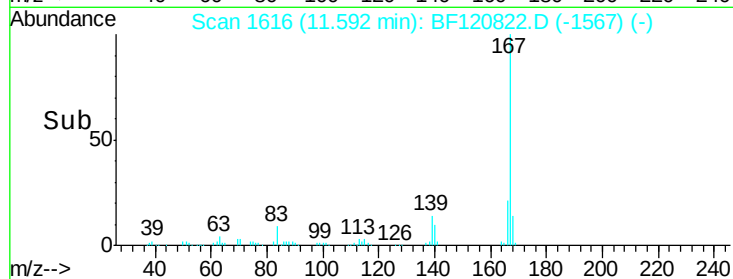
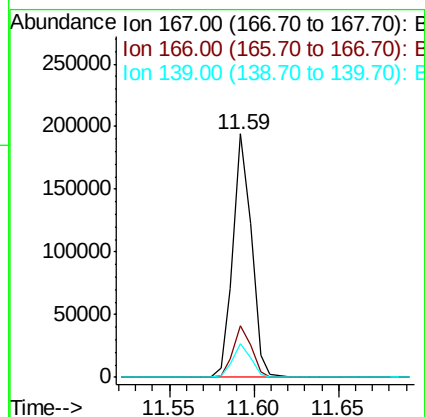
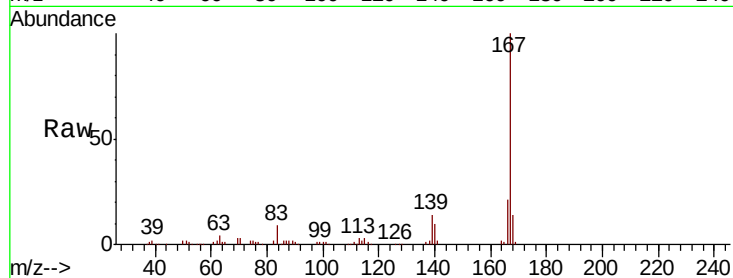




#73
 Carbazole
 Concen: 6.364 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

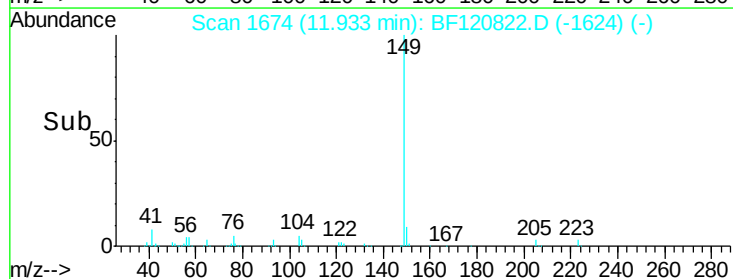
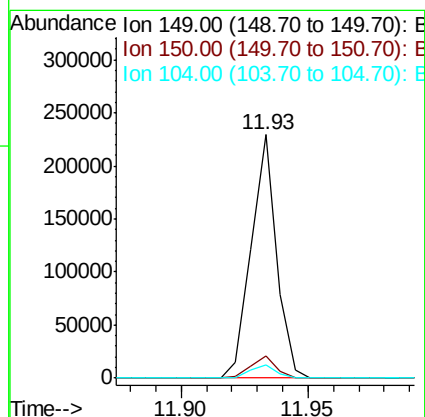
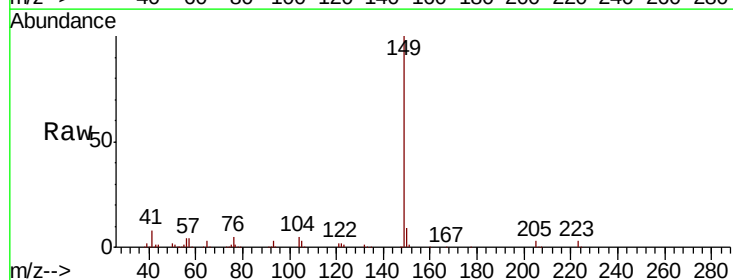
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

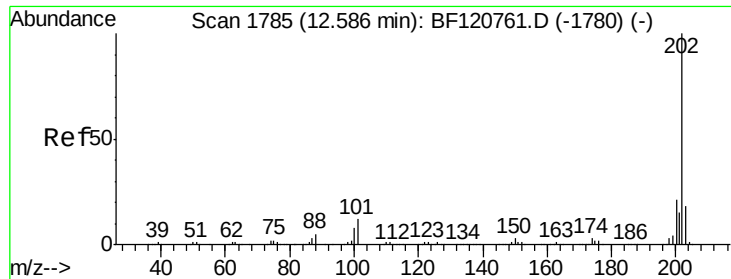
Tot Ion:167 Resp: 148109
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.8 26.8
 139 13.7 10.7 16.1



#74
 Di-n-butylphthalate
 Concen: 5.558 ng
 RT: 11.93 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Tgt Ion:149 Resp: 160136
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.7 11.5
 104 5.2 4.0 6.0

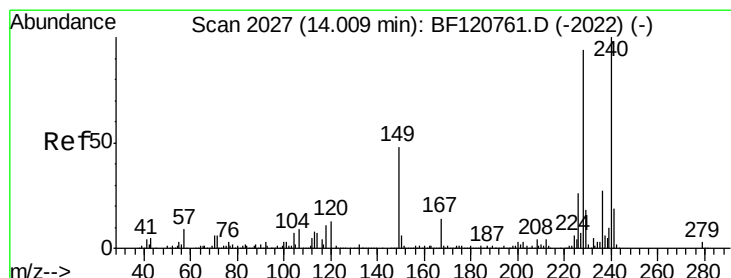
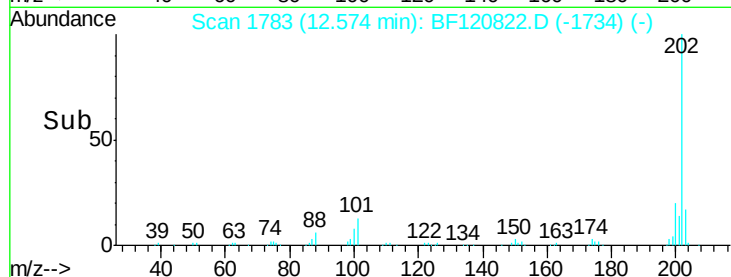
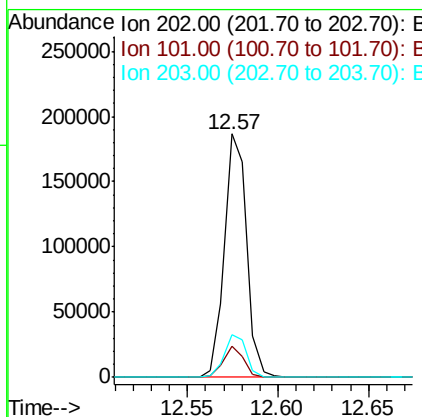
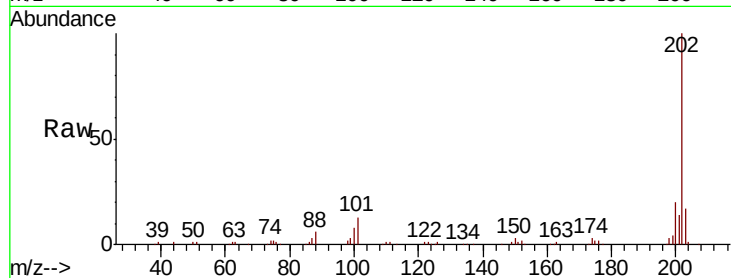




#75
Fluoranthene
Concen: 6.252 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

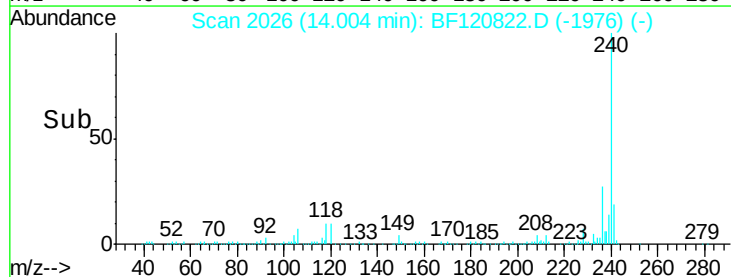
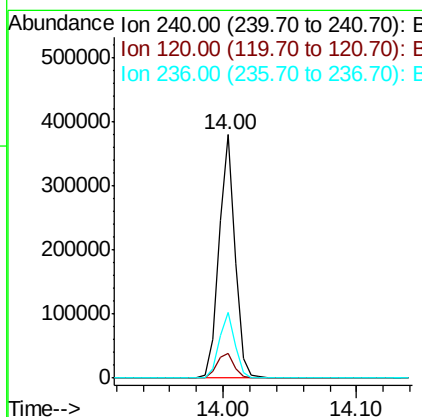
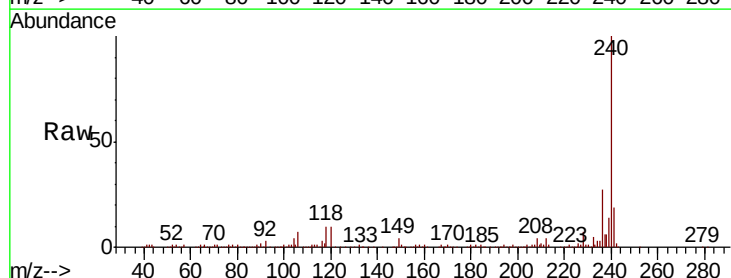
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

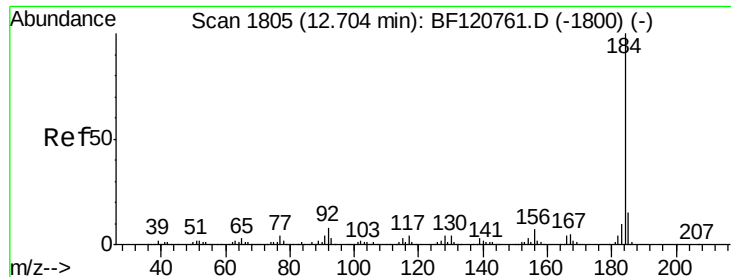
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	31.6
203	17.3	0.0	38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	10.3	15.5
236	27.0	21.4	32.2





#77

Benzidine

Concen: 5.888 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

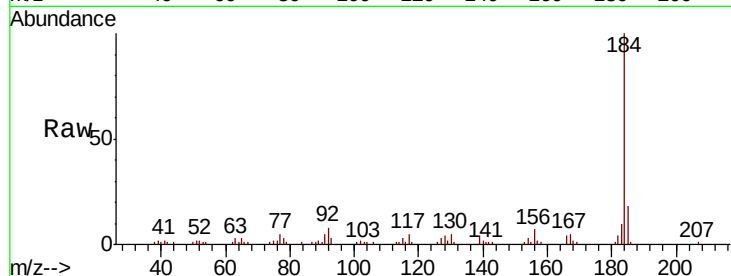
Tot Ion:184 Resp: 53657

Ion Ratio Lower Upper

184 100

185 17.8 11.8 17.8#

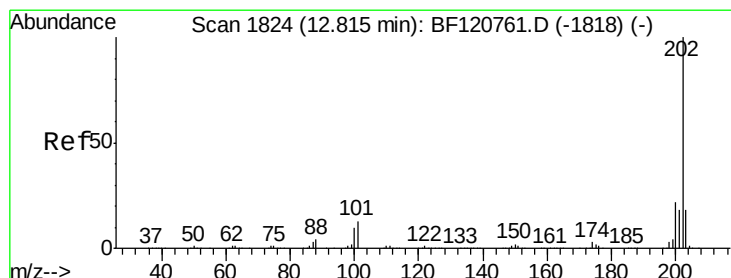
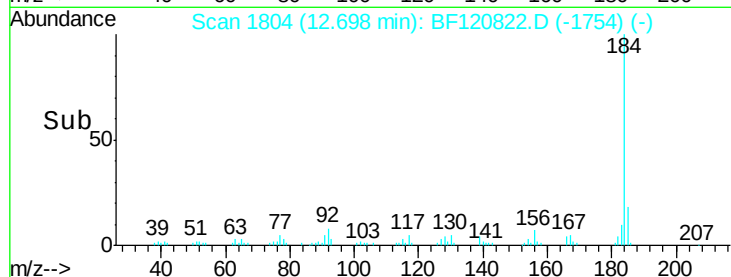
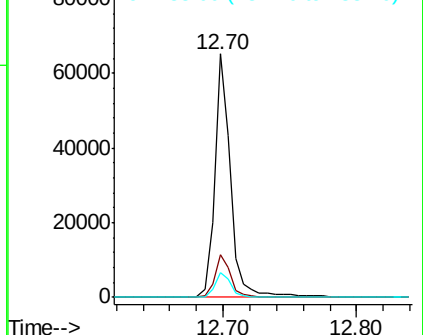
183 10.4 8.3 12.5



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: 6.425 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

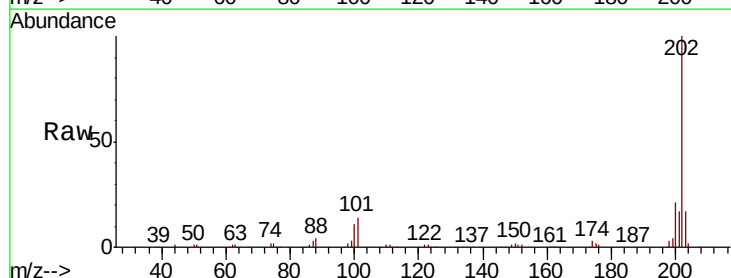
Tgt Ion:202 Resp: 165672

Ion Ratio Lower Upper

202 100

200 21.2 17.3 25.9

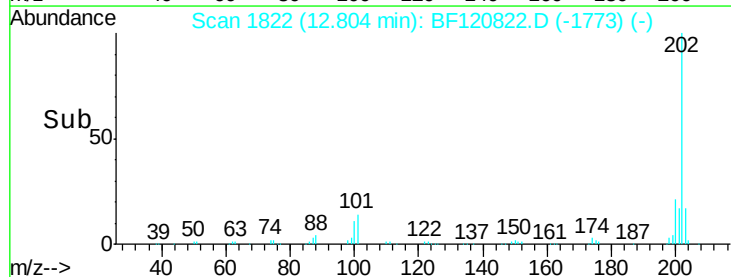
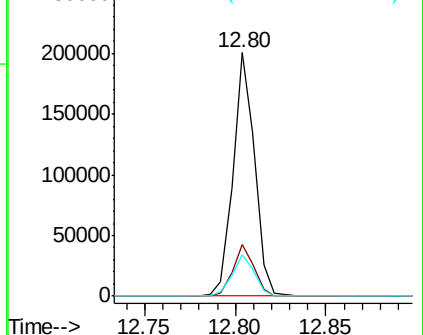
203 17.2 14.6 22.0

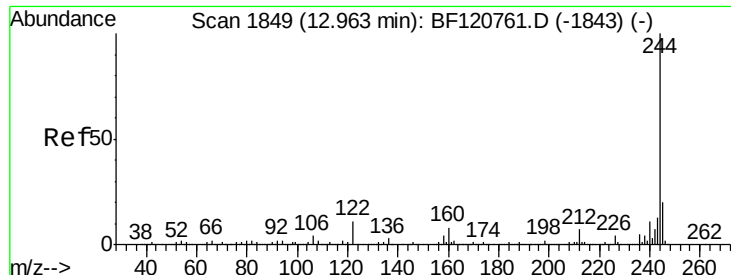


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 62.802 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

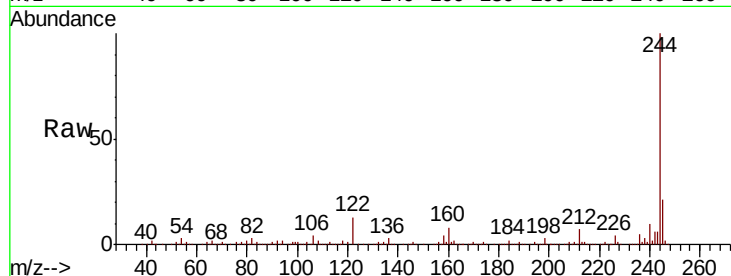
Tot Ion:244 Resp: 1035539

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

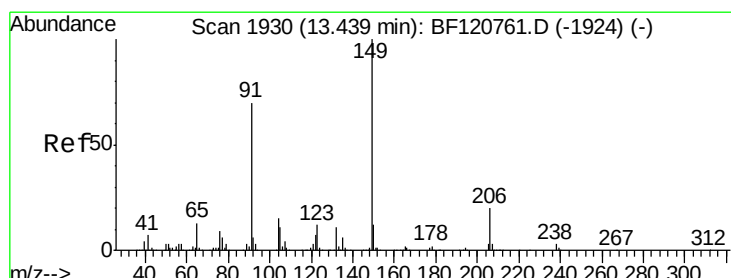
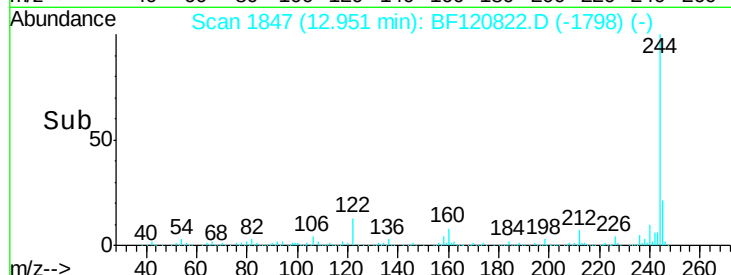
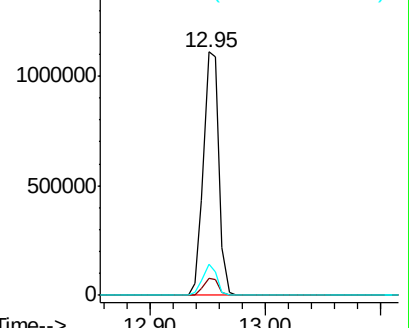
122 12.8 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 4.534 ng

RT: 13.43 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

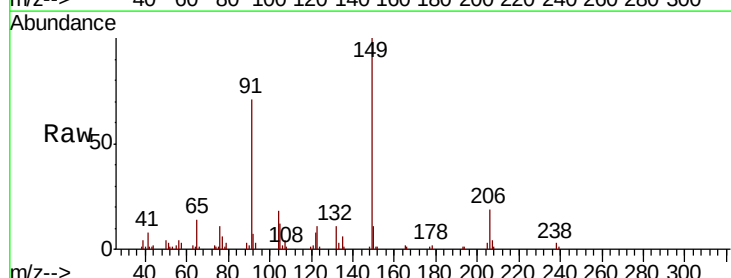
Tgt Ion:149 Resp: 50466

Ion Ratio Lower Upper

149 100

91 70.8 55.8 83.8

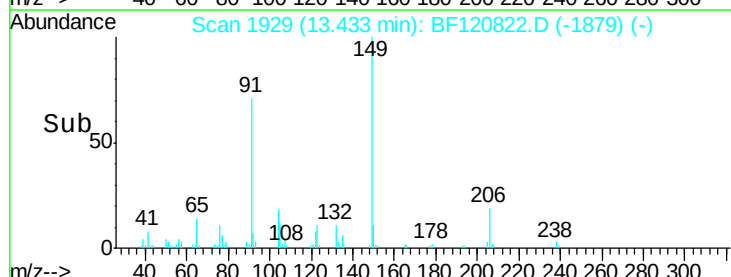
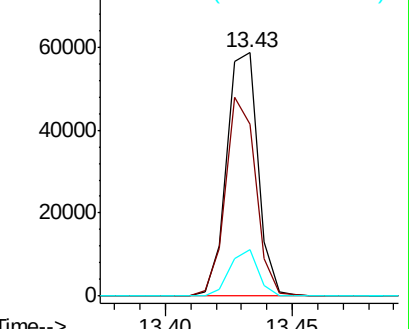
206 19.3 15.7 23.5

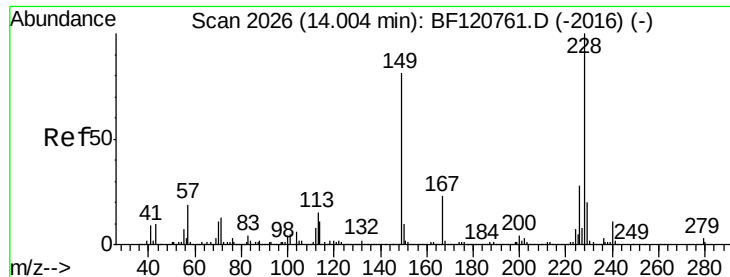


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

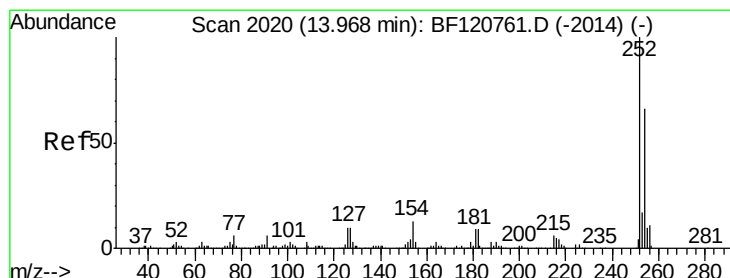
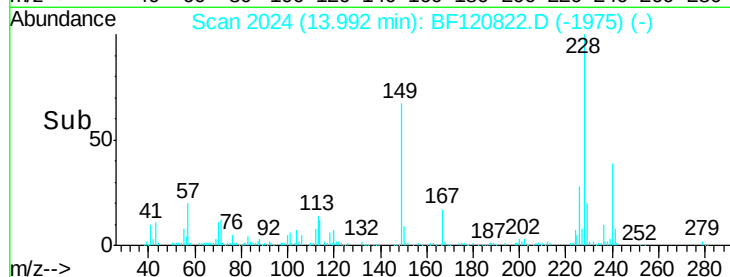
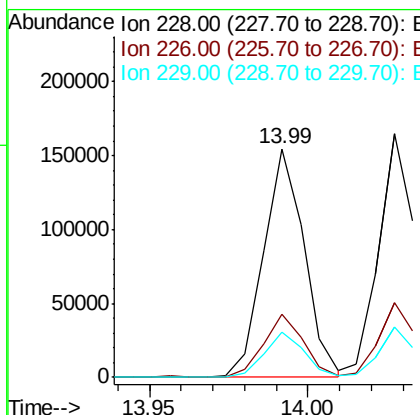
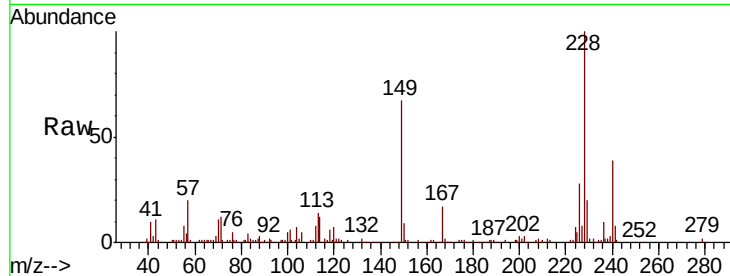




#81
Benzo(a)anthracene
Concen: 6.664 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

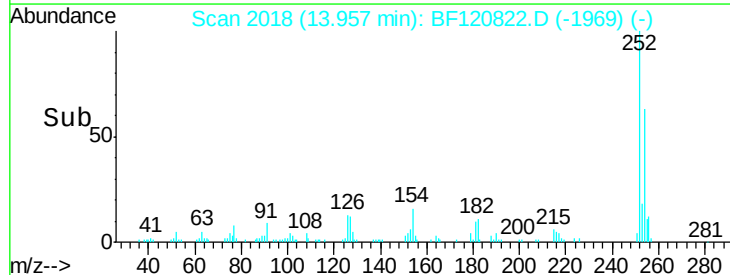
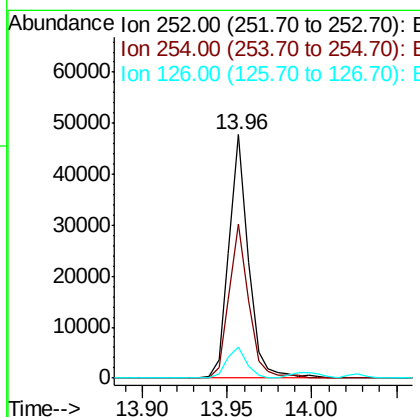
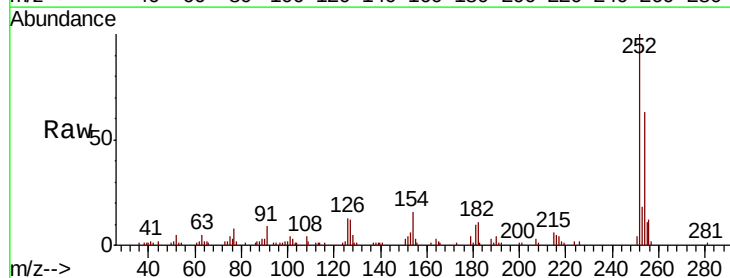
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

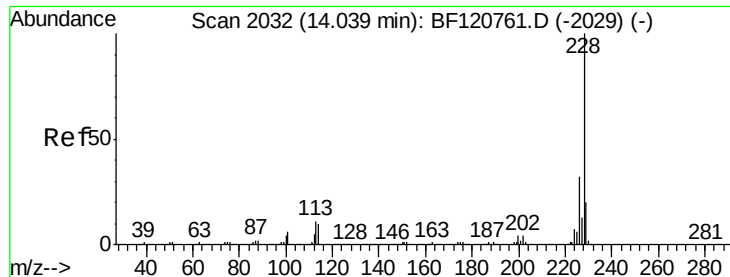
Tot Ion:228 Resp: 137915
Ion Ratio Lower Upper
228 100
226 27.6 22.6 33.8
229 19.9 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 5.506 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion:252 Resp: 38449
Ion Ratio Lower Upper
252 100
254 63.3 52.6 78.8
126 13.1 7.8 11.8#





#83

Chrysene

Concen: 6.349 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

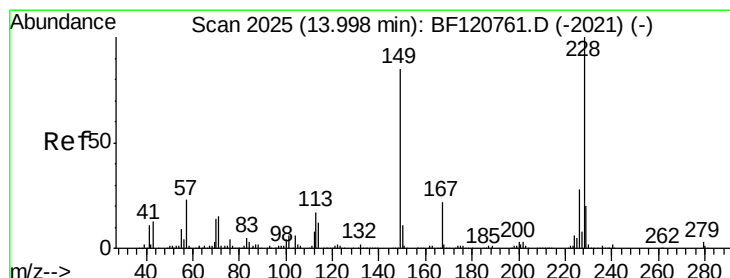
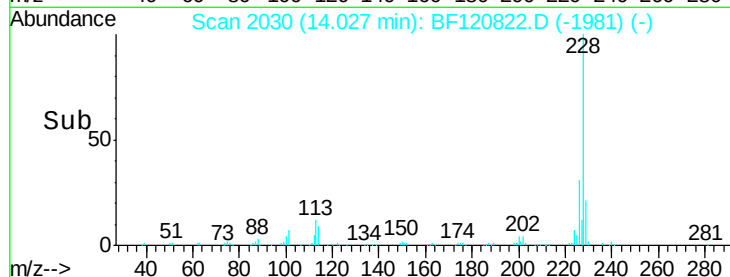
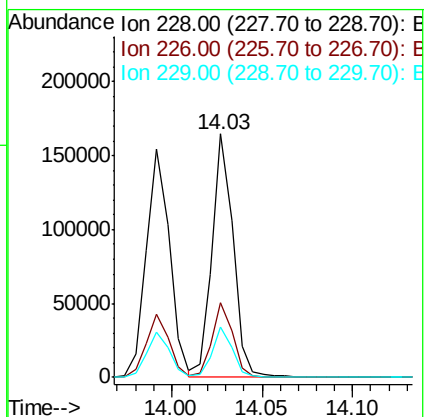
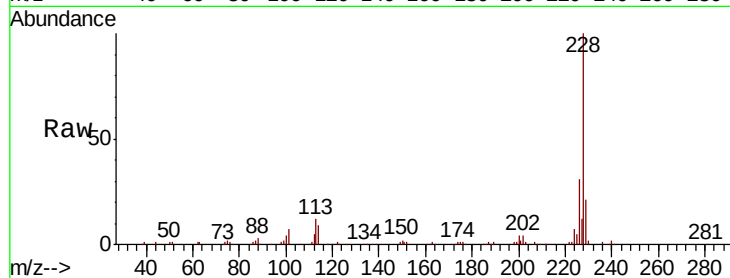
Tot Ion:228 Resp: 134021

Ion Ratio Lower Upper

228 100

226 30.6 25.7 38.5

229 20.6 16.3 24.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.625 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

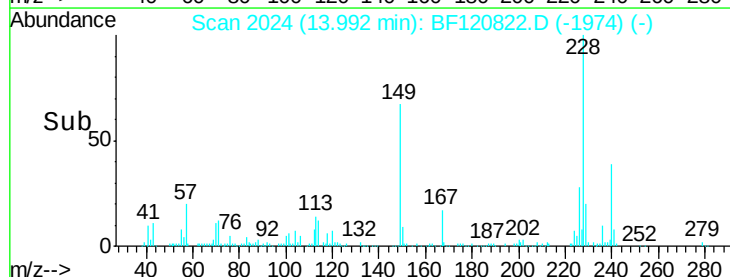
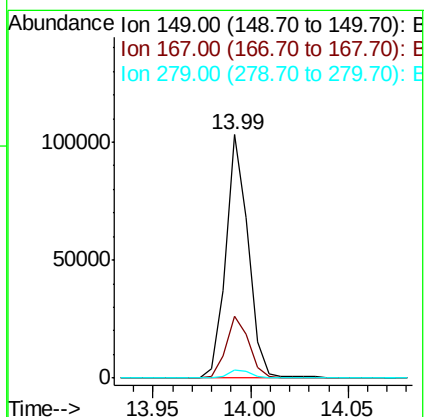
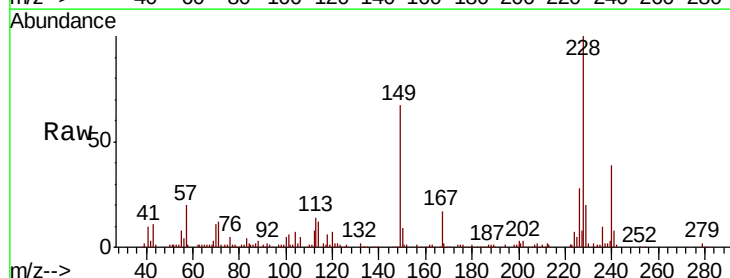
Tgt Ion:149 Resp: 82117

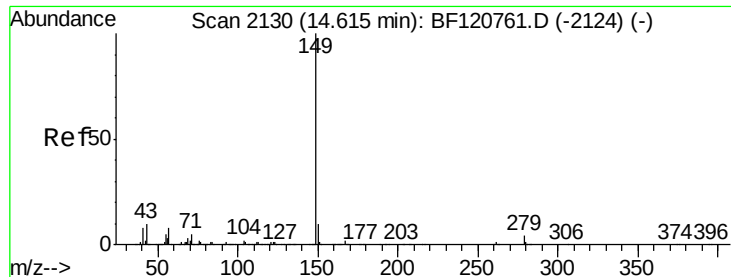
Ion Ratio Lower Upper

149 100

167 25.5 20.9 31.3

279 3.2 2.6 4.0





#85

Di-n-octyl phthalate

Concen: 3.888 ng

RT: 14.60 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

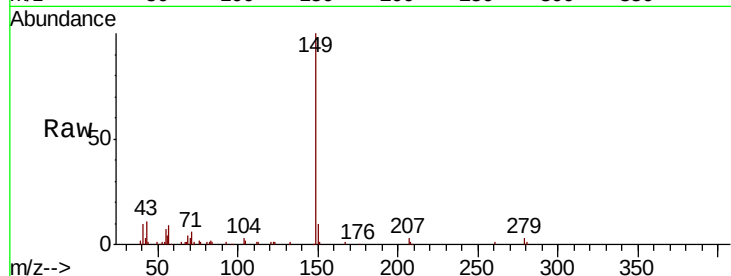
Tot Ion:149 Resp: 100410

Ion Ratio Lower Upper

149 100

167 1.4 1.2 1.8

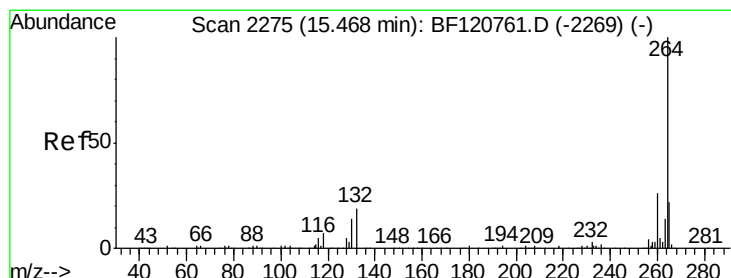
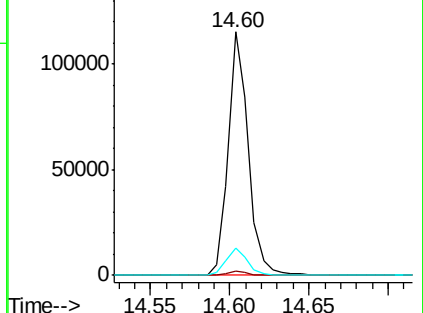
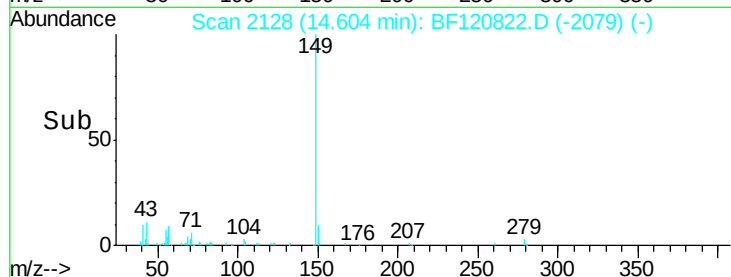
43 11.9 8.7 13.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF120822.D

Acq: 10 Jul 2020 10:14

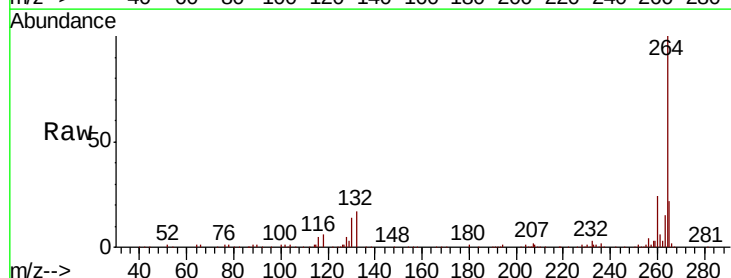
Tgt Ion:264 Resp: 267450

Ion Ratio Lower Upper

264 100

260 24.3 20.6 30.8

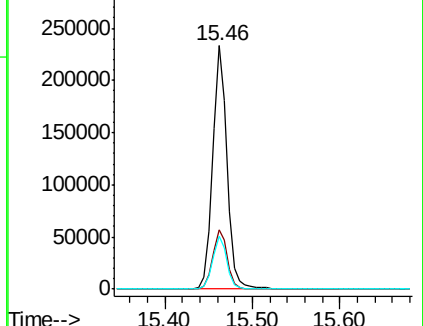
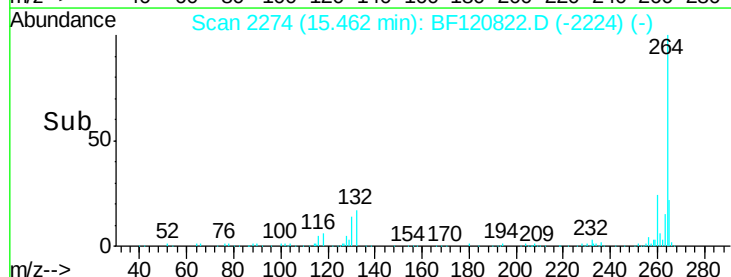
265 21.7 17.6 26.4

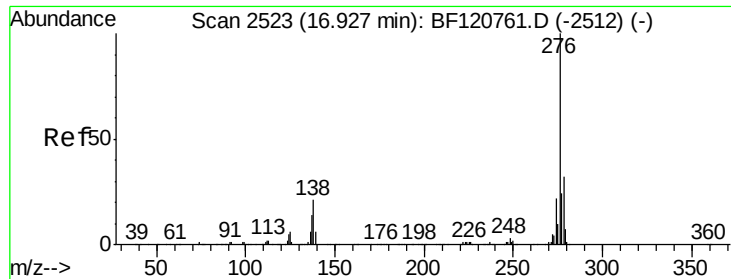


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

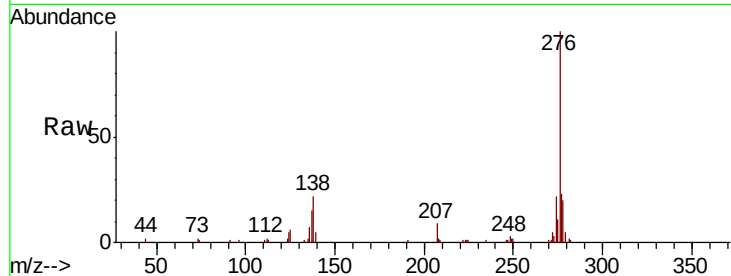




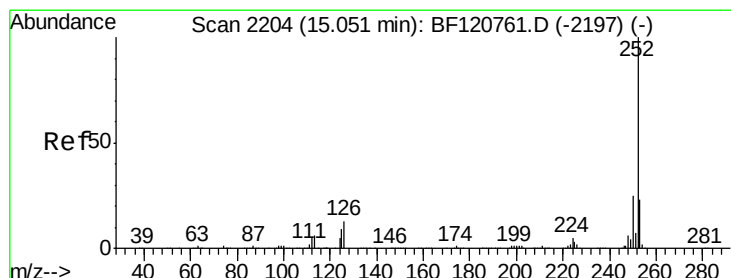
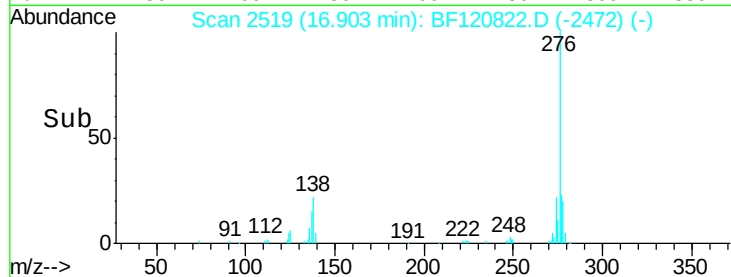
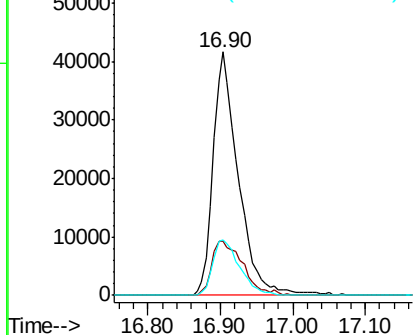
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.849 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.3	19.8	29.8
277	24.3	19.9	29.9

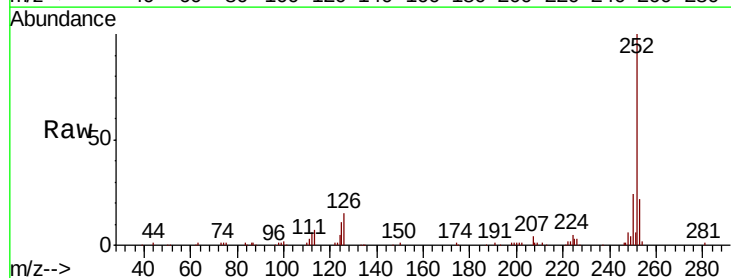


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

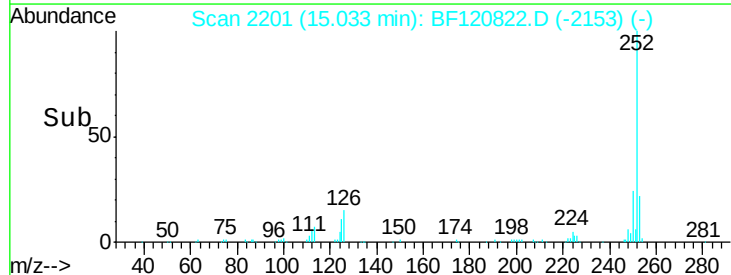
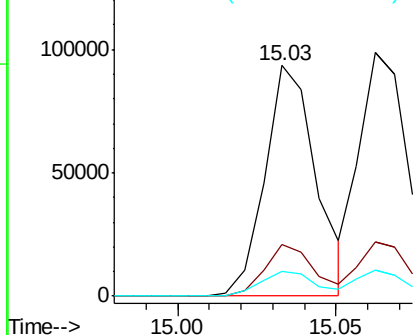


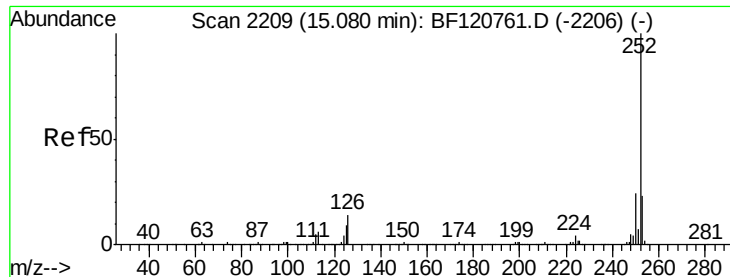
#88
 Benzo(b)fluoranthene
 Concen: 5.958 ng
 RT: 15.03 min Scan# 2201
 Delta R.T. -0.02 min
 Lab File: BF120822.D
 Acq: 10 Jul 2020 10:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	11.0	7.5	11.3



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

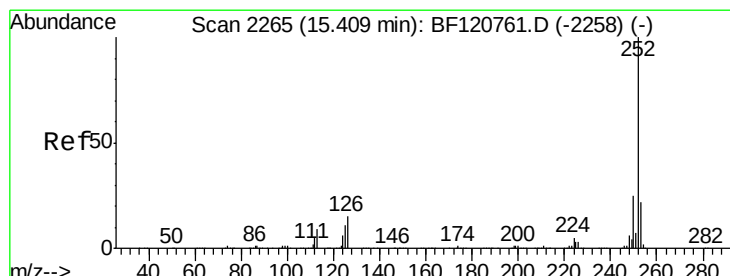
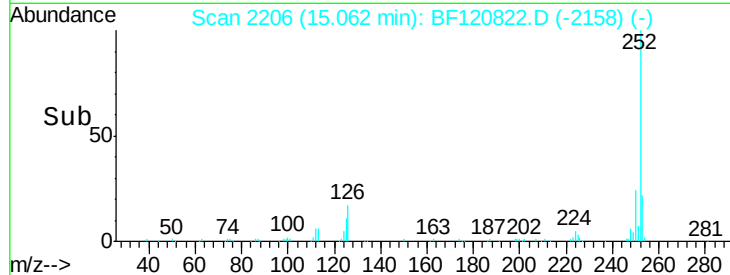
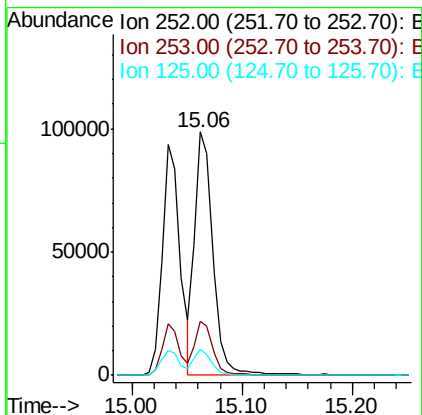
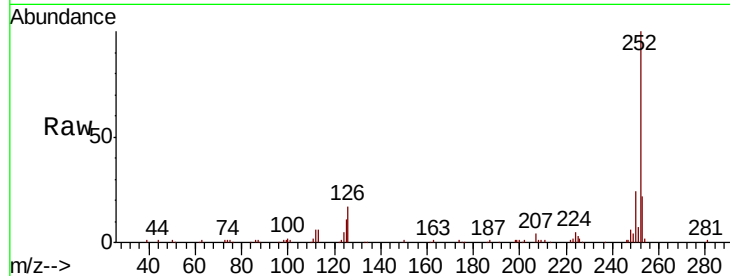




#89
Benzo(k)fluoranthene
Concen: 6.492 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

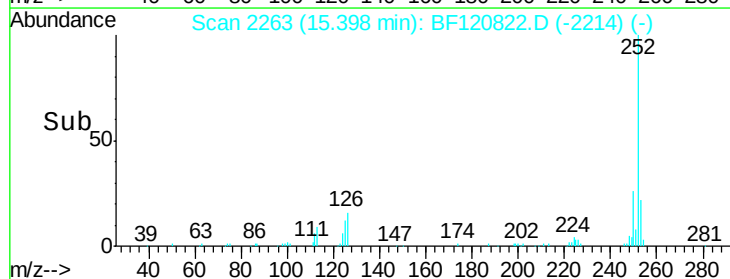
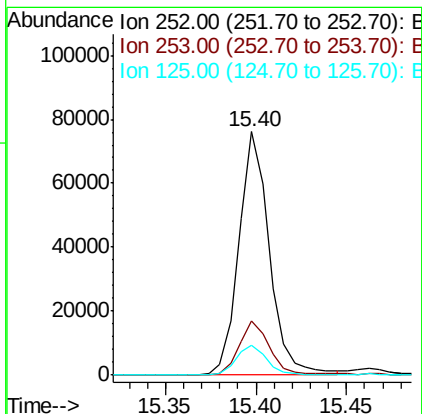
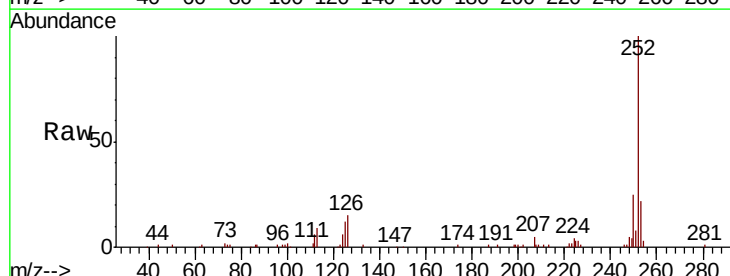
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

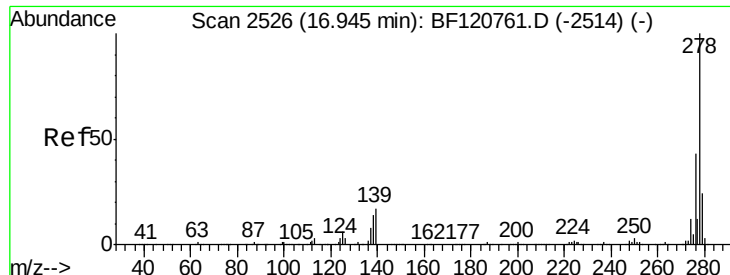
Tot Ion:252 Resp: 111070
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 10.9 7.6 11.4



#90
Benzo(a)pyrene
Concen: 5.687 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion:252 Resp: 89196
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 12.1 9.2 13.8



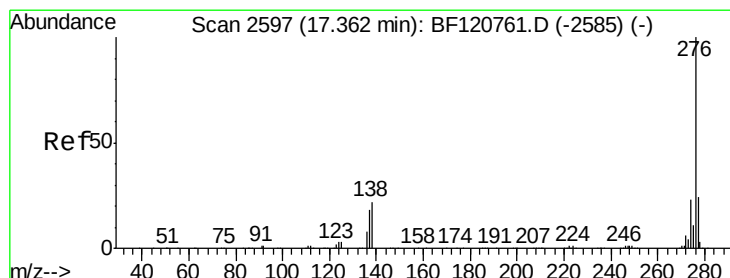
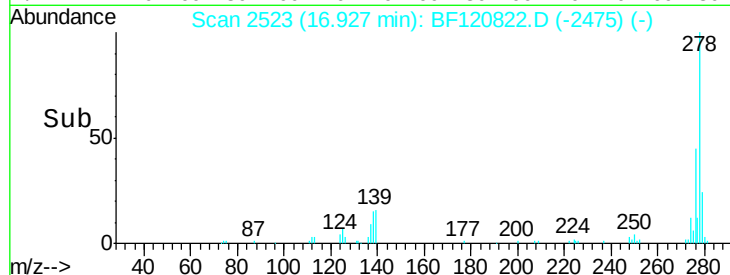
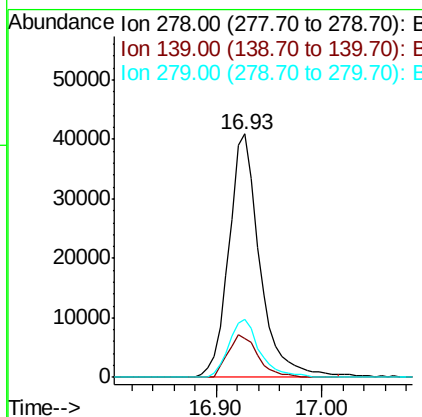
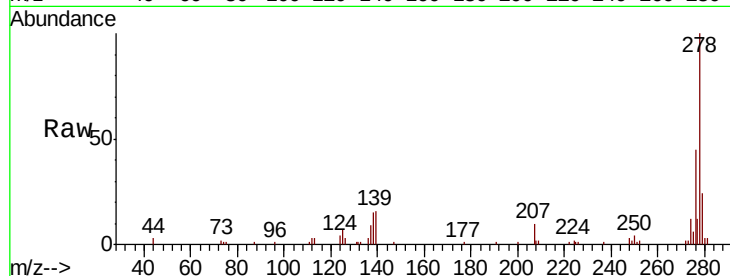


#91
Dibenzo(a,h)anthracene
Concen: 5.800 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.02 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:278 Resp: 82923

Ion	Ratio	Lower	Upper
278	100		
139	15.8	13.3	19.9
279	23.8	19.0	28.6



#92
Benzo(g,h,i)perylene
Concen: 6.385 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.02 min
Lab File: BF120822.D
Acq: 10 Jul 2020 10:14

Tgt Ion:276 Resp: 83439

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.8	28.2
138	25.1	17.4	26.2

