

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061219\
 Data File : BF114980.D
 Acq On : 12 Jun 2019 17:44
 Operator : HP/JU
 Sample : K2241-03
 Misc : MDL-SOIL-8PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Quant Time: Jun 13 11:09:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 10:54:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	292546	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1137542	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	560811	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	1109432	20.00	ng	0.00
76) Chrysene-d12	13.77	240	812224	20.00	ng	-0.01
87) Perylene-d12	15.15	264	774755	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1765394	100.76	ng	0.00
7) Phenol-d6	6.29	99	2212772	104.70	ng	0.00
23) Nitrobenzene-d5	7.21	82	1366402	72.30	ng	0.00
42) 2,4,6-Tribromophenol	10.46	330	654610	109.00	ng	0.00
45) 2-Fluorobiphenyl	9.01	172	2436112	73.62	ng	0.00
79) Terphenyl-d14	12.73	244	2685243	62.18	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.28	88	59094	7.206	ng	98
3) Pyridine	3.02	79	134989	5.847	ng	99
4) n-Nitrosodimethylamine	2.87	42	55709	6.796	ng	93
6) Aniline	6.31	93	216391	7.646	ng	88
8) 2-Chlorophenol	6.43	128	154466	7.775	ng	100
9) Benzaldehyde	6.19	77	124118	10.216	ng	100
10) Phenol	6.30	94	188203	7.959	ng	87
11) bis(2-Chloroethyl)ether	6.39	93	138672	7.556	ng	98
12) 1,3-Dichlorobenzene	6.59	146	171972	7.411	ng	99
13) 1,4-Dichlorobenzene	6.66	146	179116	7.678	ng	97
14) 1,2-Dichlorobenzene	6.82	146	165513	7.536	ng	99
15) Benzyl Alcohol	6.79	79	135045	8.529	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.93	45	183461	7.469	ng	98
17) 2-Methylphenol	6.91	107	128469	7.753	ng	97
18) Hexachloroethane	7.16	117	59892	7.109	ng	94
19) n-Nitroso-di-n-propylamine	7.06	70	102541	7.986	ng	98
20) 3+4-Methylphenols	7.06	107	162638	8.247	ng	94
22) Acetophenone	7.06	105	217255	8.437	ng	# 95
24) Nitrobenzene	7.23	77	157464	8.189	ng	94
25) Isophorone	7.47	82	277658	7.844	ng	99
26) 2-Nitrophenol	7.55	139	81767	7.629	ng	97
27) 2,4-Dimethylphenol	7.59	122	120830	7.815	ng	97
28) bis(2-Chloroethoxy)methane	7.68	93	178156	7.845	ng	99
29) 2,4-Dichlorophenol	7.79	162	132031	8.084	ng	98
30) 1,2,4-Trichlorobenzene	7.87	180	147677	7.825	ng	99
31) Naphthalene	7.95	128	476308	8.850	ng	96
32) Benzoic acid	7.67	122	55605	4.971	ng	97
33) 4-Chloroaniline	8.00	127	197751	7.960	ng	97
34) Hexachlorobutadiene	8.07	225	80054	7.631	ng	98
35) Caprolactam	8.33	113	41678	7.661	ng	98
36) 4-Chloro-3-methylphenol	8.48	107	133380	8.103	ng	94
37) 2-Methylnaphthalene	8.64	142	321943	8.968	ng	97
38) 1-Methylnaphthalene	8.74	142	303215	8.937	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.81	216	137855	8.320	ng	99

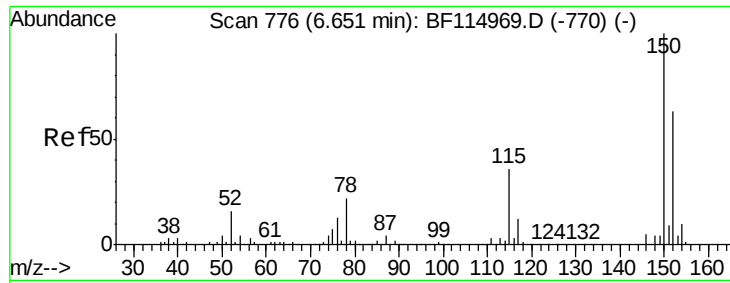
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061219\
 Data File : BF114980.D
 Acq On : 12 Jun 2019 17:44
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 10:54:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.80	237	41914	5.134	ng	98
43) 2,4,6-Trichlorophenol	8.92	196	90742	7.333	ng	97
44) 2,4,5-Trichlorophenol	8.96	196	100793	8.059	ng	95
46) 1,1'-Biphenyl	9.10	154	388677	8.649	ng	95
47) 2-Chloronaphthalene	9.12	162	297236	8.179	ng	98
48) 2-Nitroaniline	9.22	65	77095	7.177	ng	98
49) Acenaphthylene	9.53	152	477321	8.543	ng	97
50) Dimethylphthalate	9.40	163	333655	7.911	ng	100
51) 2,6-Dinitrotoluene	9.46	165	74155	7.751	ng #	87
52) Acenaphthene	9.70	154	275556	8.620	ng	98
53) 3-Nitroaniline	9.62	138	86288	7.361	ng	99
54) 2,4-Dinitrophenol	9.73	184	22124	4.768	ng	91
55) Dibenzofuran	9.87	168	422520	8.770	ng	97
56) 4-Nitrophenol	9.79	139	54891	6.791	ng	90
57) 2,4-Dinitrotoluene	9.86	165	99511	8.172	ng	95
58) Fluorene	10.22	166	322199	9.144	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.00	232	80386	7.957	ng	100
60) Diethylphthalate	10.10	149	328674	8.150	ng	97
61) 4-Chlorophenyl-phenylether	10.22	204	153804	8.843	ng	94
62) 4-Nitroaniline	10.23	138	85462	7.252	ng	97
63) Azobenzene	10.37	77	294858	8.358	ng	98
65) 4,6-Dinitro-2-methylphenol	10.27	198	40838	6.568	ng	87
66) n-Nitrosodiphenylamine	10.33	169	281849	8.499	ng	99
67) 4-Bromophenyl-phenylether	10.70	248	92959	7.804	ng	95
68) Hexachlorobenzene	10.77	284	103197	7.869	ng #	90
69) Atrazine	10.86	200	85703	8.015	ng	98
70) Pentachlorophenol	10.96	266	44527	6.252	ng	99
71) Phenanthrene	11.17	178	495800	8.655	ng	97
72) Anthracene	11.22	178	502660	8.698	ng	98
73) Carbazole	11.37	167	446103	8.844	ng	97
74) Di-n-butylphthalate	11.72	149	523489	8.233	ng	97
75) Fluoranthene	12.35	202	510331	8.713	ng	98
77) Benzidine	12.47	184	238185	7.250	ng	98
78) Pyrene	12.57	202	522659	7.064	ng	98
80) Butylbenzylphthalate	13.20	149	219124	6.340	ng	95
81) Benzo(a)anthracene	13.76	228	459229	7.556	ng	98
82) 3,3'-Dichlorobenzidine	13.73	252	166740	7.155	ng	97
83) Chrysene	13.79	228	436847	7.228	ng	96
84) Bis(2-ethylhexyl)phthalate	13.77	149	279139	6.834	ng	100
85) Di-n-octyl phthalate	14.38	149	500074	7.110	ng	99
86) Indeno(1,2,3-cd)pyrene	16.44	276	346726	6.531	ng	99
88) Benzo(b)fluoranthene	14.76	252	389542	7.563	ng	99
89) Benzo(k)fluoranthene	14.79	252	401250	8.876	ng	98
90) Benzo(a)pyrene	15.09	252	357480	8.044	ng	100
91) Dibenzo(a,h)anthracene	16.46	278	289832	7.573	ng	99
92) Benzo(g,h,i)perylene	16.83	276	277158	7.101	ng	98

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

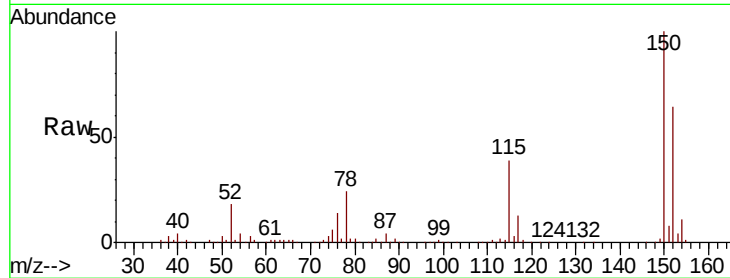


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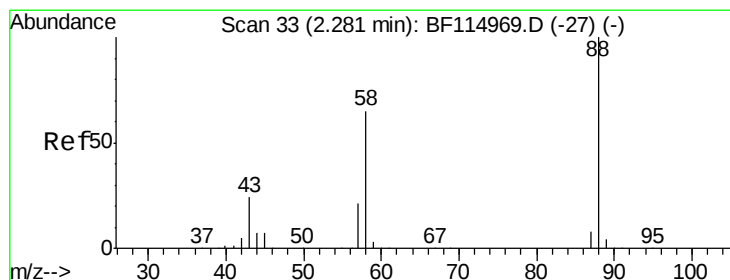
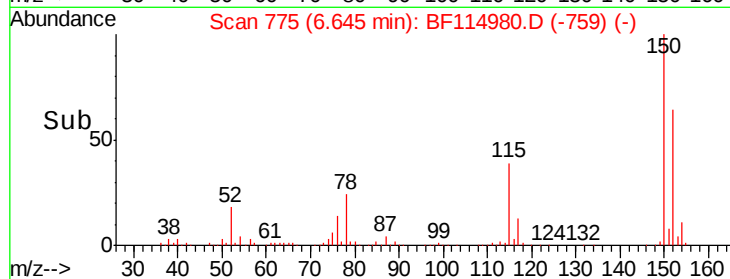
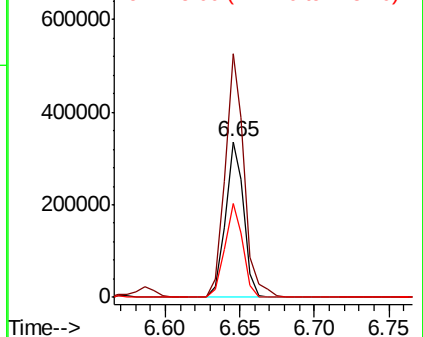
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:152 Resp: 292546
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.0
115 60.2 46.0 69.0



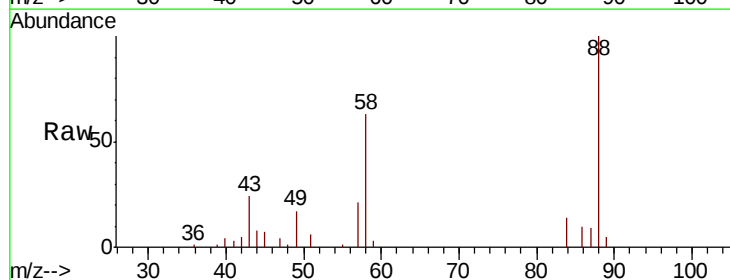
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



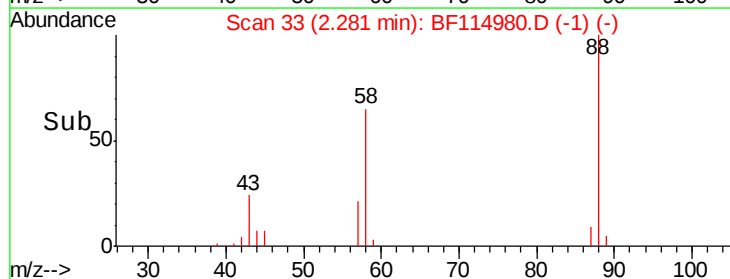
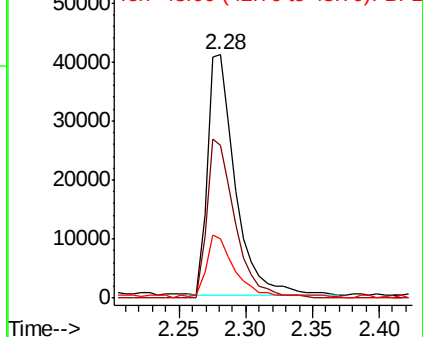
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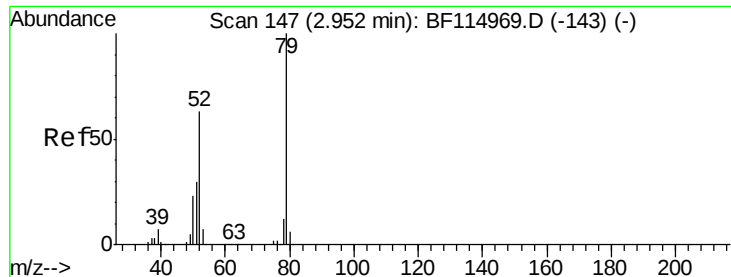
1,4-Dioxane
Concen: 7.206 ng
RT: 2.28 min Scan# 33
Delta R.T. -0.00 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion: 88 Resp: 59094
Ion Ratio Lower Upper
88 100
58 67.1 53.4 80.2
43 27.8 19.7 29.5



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

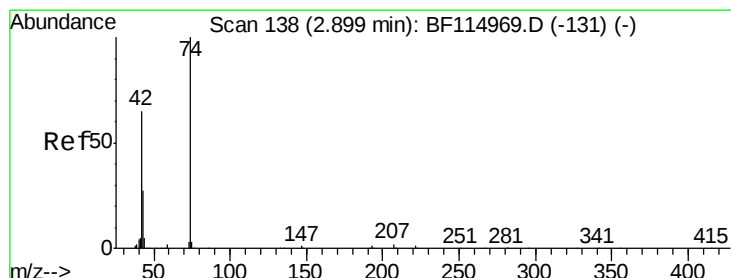
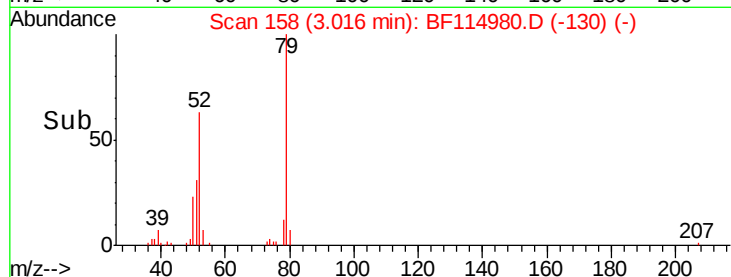
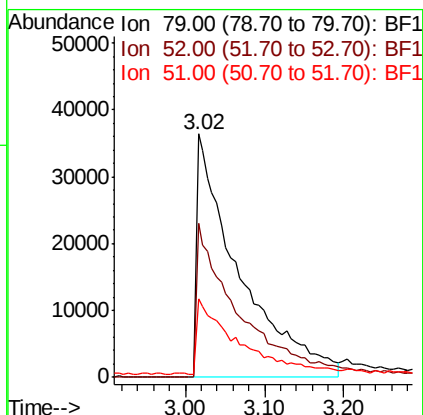
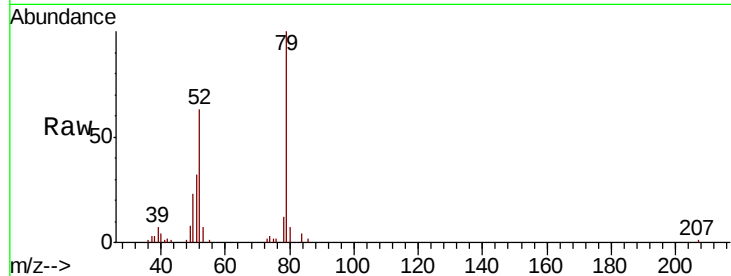




#3
 Pvridine
 Concen: 5.847 ng
 RT: 3.02 min Scan# 158
 Delta R.T. 0.06 min
 Lab File: BF114980.D
 Acq: 12 Jun 2019 17:44

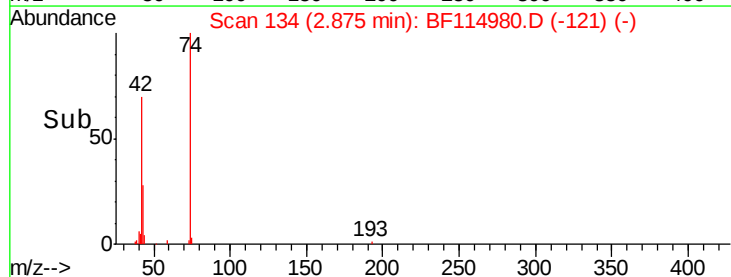
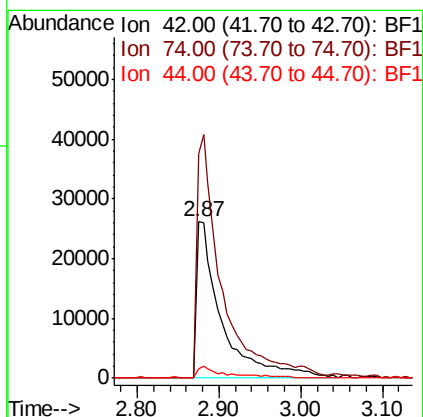
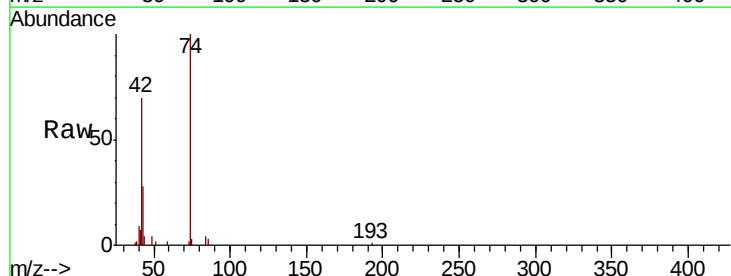
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

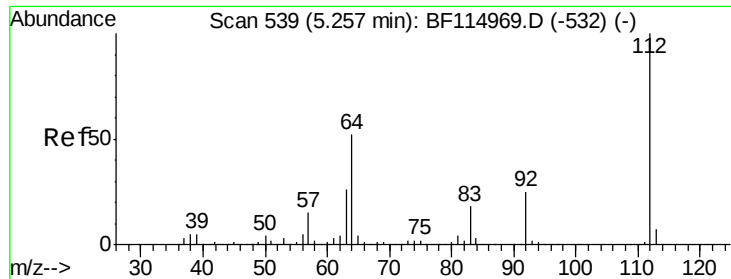
Tot Ion: 79 Resp: 134989
 Ion Ratio Lower Upper
 79 100
 52 63.2 50.3 75.5
 51 32.2 24.4 36.6



#4
 n-Nitrosodimethylamine
 Concen: 6.796 ng
 RT: 2.87 min Scan# 134
 Delta R.T. -0.02 min
 Lab File: BF114980.D
 Acq: 12 Jun 2019 17:44

Tgt Ion: 42 Resp: 55709
 Ion Ratio Lower Upper
 42 100
 74 143.6 122.2 183.2
 44 6.3 5.8 8.8





#5

2-Fluorophenol

Concen: 100.765 ng

RT: 5.26 min Scan# 539

Delta R.T. -0.00 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

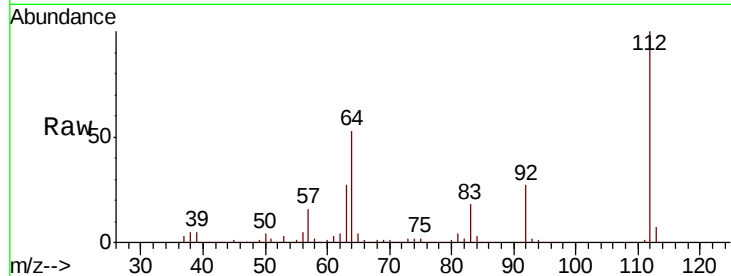
Tot Ion: 112 Resp: 1765394

Ion Ratio Lower Upper

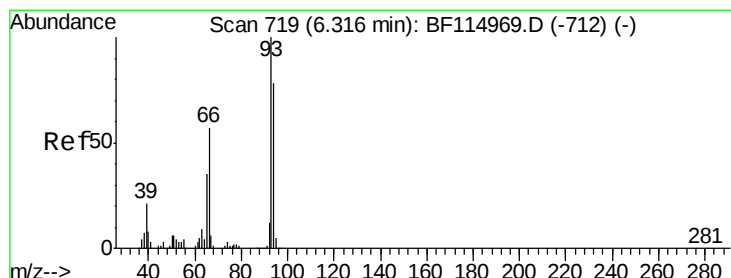
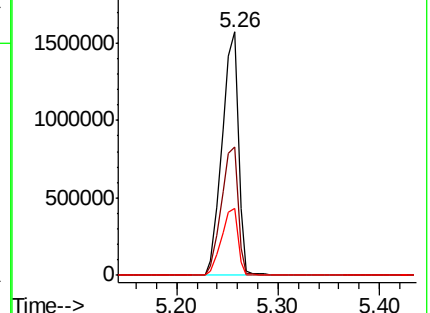
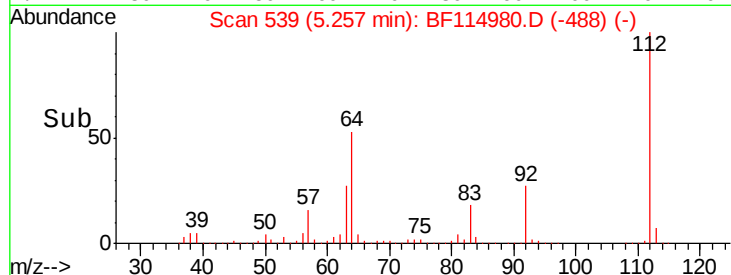
112 100

64 52.7 41.6 62.4

63 27.5 20.9 31.3



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: 7.646 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

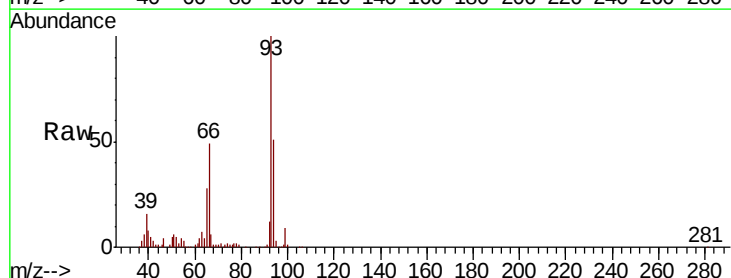
Tgt Ion: 93 Resp: 216391

Ion Ratio Lower Upper

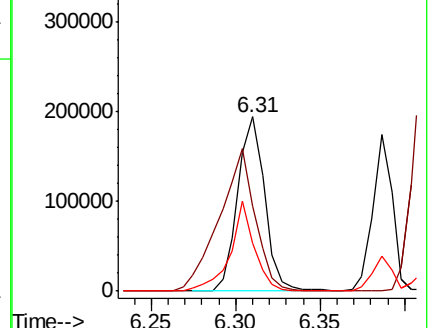
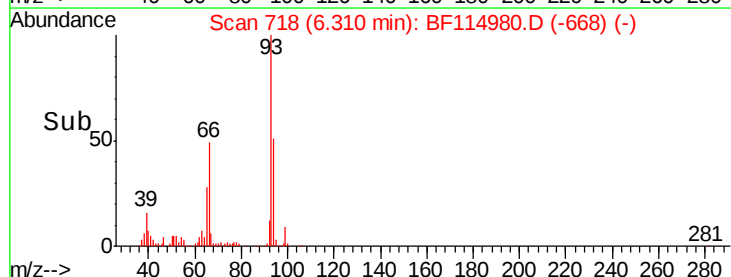
93 100

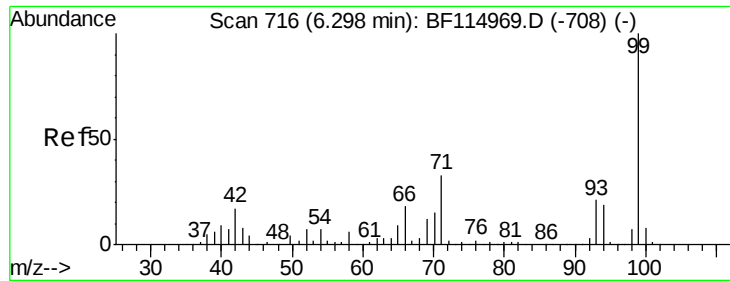
66 48.9 46.2 69.2

65 27.7 27.7 41.5



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: 104.702 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

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BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

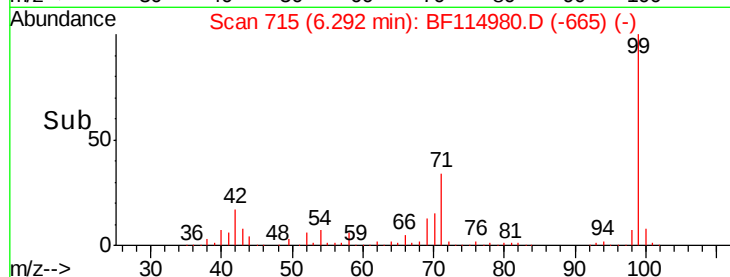
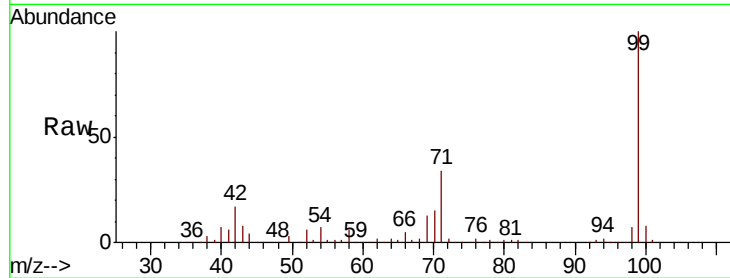
Tot Ion: 99 Resp: 2212772

Ion Ratio Lower Upper

99 100

42 16.9 13.4 20.2

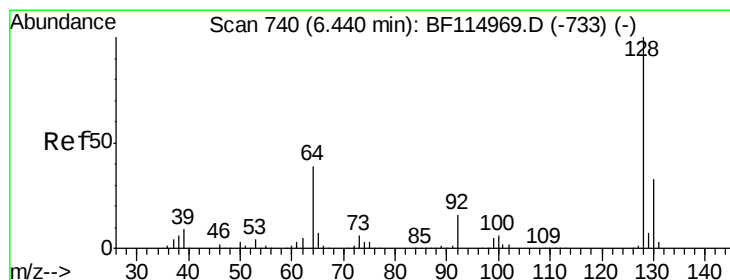
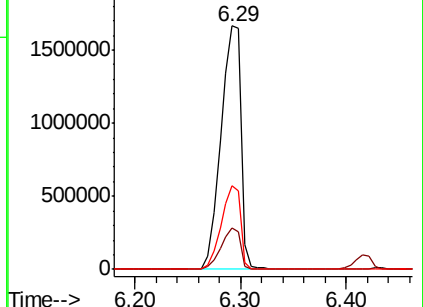
71 34.4 26.4 39.6



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: 7.775 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

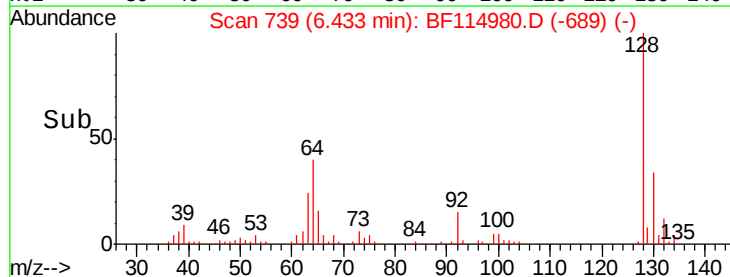
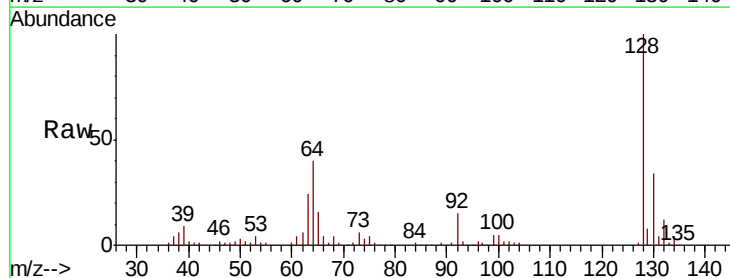
Tgt Ion: 128 Resp: 154466

Ion Ratio Lower Upper

128 100

130 33.6 13.4 53.4

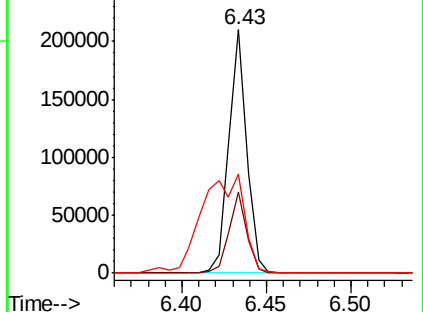
64 40.4 20.1 60.1

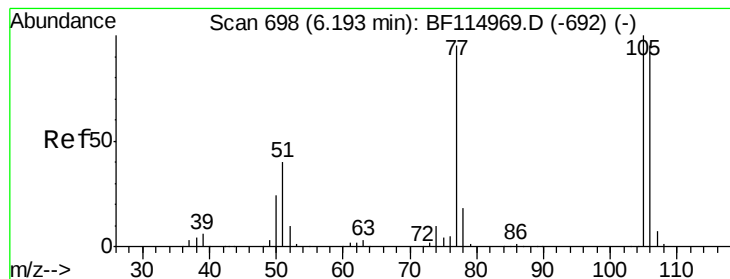


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 10.216 ng

RT: 6.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

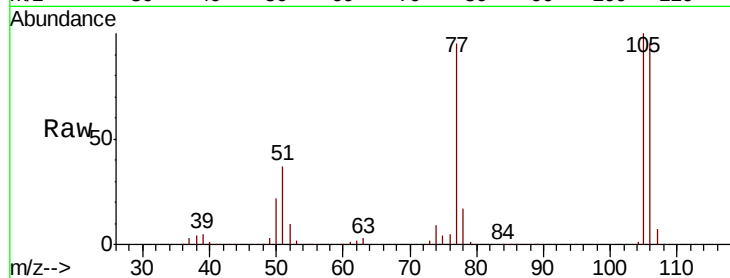
Tot Ion: 77 Resp: 124118

Ion Ratio Lower Upper

77 100

105 105.0 85.1 125.1

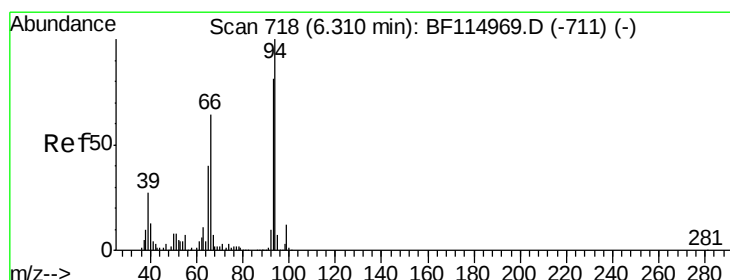
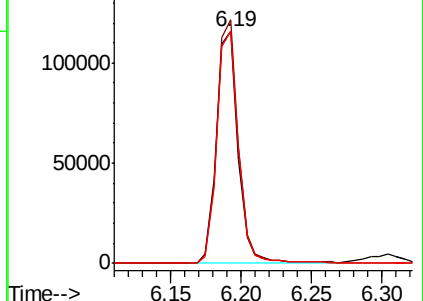
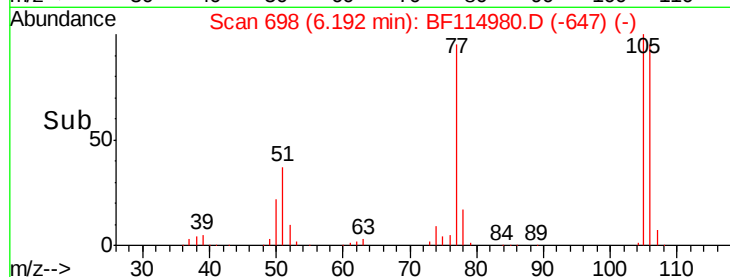
106 100.0 80.0 120.0



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: 7.959 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

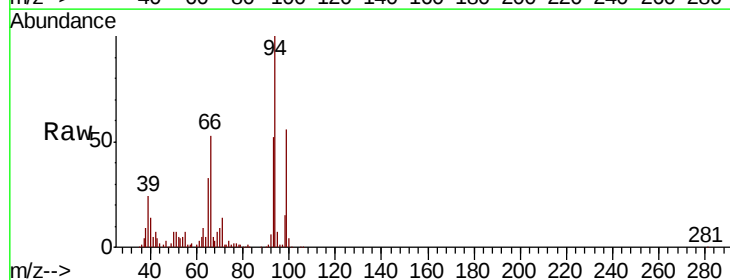
Tgt Ion: 94 Resp: 188203

Ion Ratio Lower Upper

94 100

65 33.3 20.0 60.0

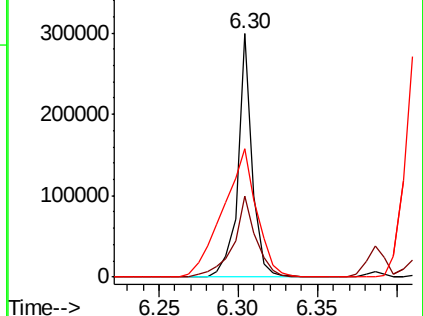
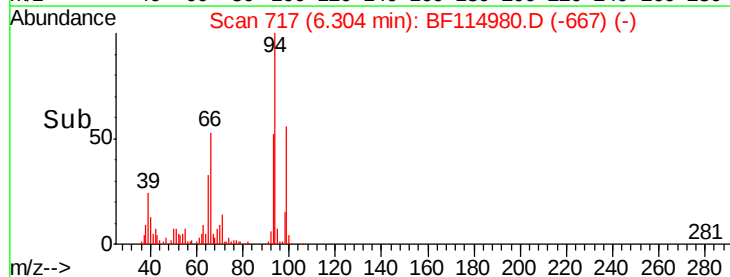
66 52.9 44.1 84.1

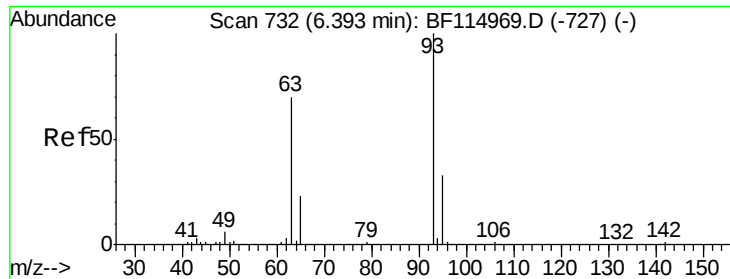


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

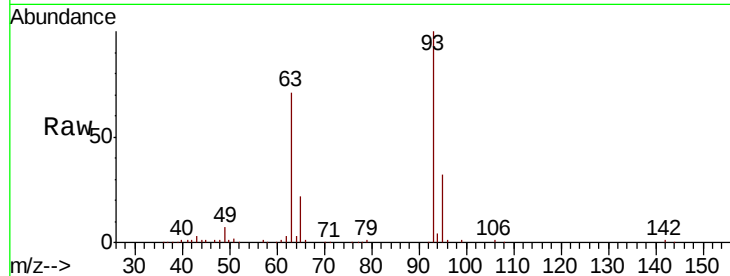




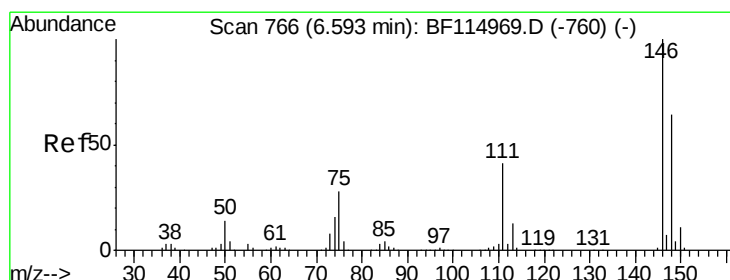
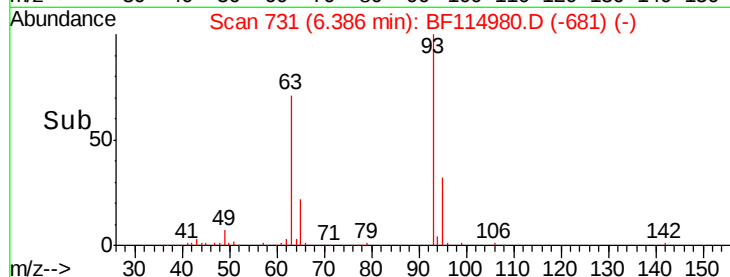
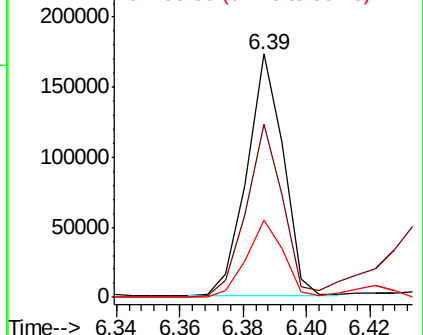
#11
bis(2-Chloroethyl)ether
Concen: 7.556 ng
RT: 6.39 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion: 93 Resp: 138672
Ion Ratio Lower Upper
93 100
63 71.2 49.8 89.8
95 32.0 13.3 53.3

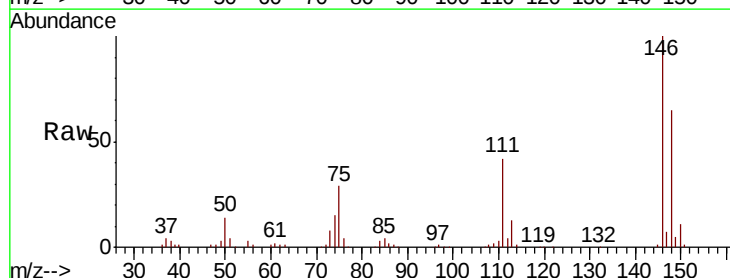


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

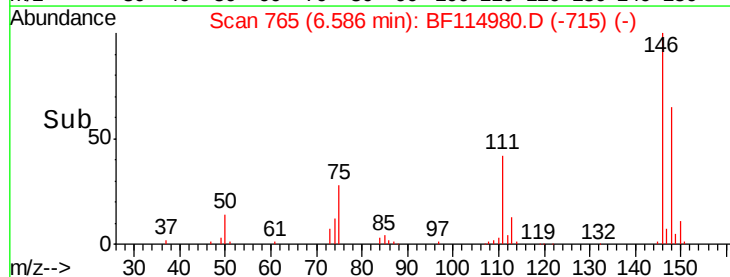
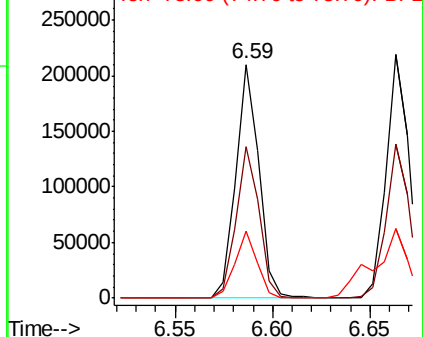


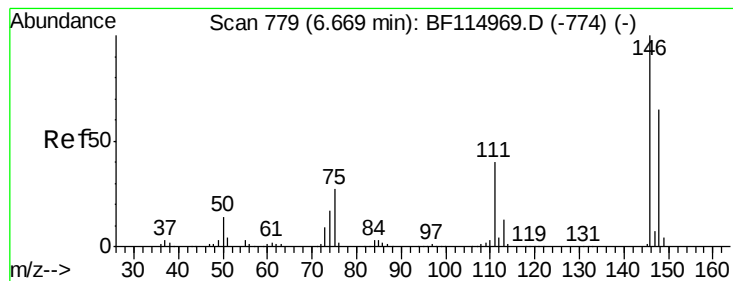
#12
1,3-Dichlorobenzene
Concen: 7.411 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion: 146 Resp: 171972
Ion Ratio Lower Upper
146 100
148 64.9 51.6 77.4
75 28.8 22.3 33.5



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: 7.678 ng

RT: 6.66 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

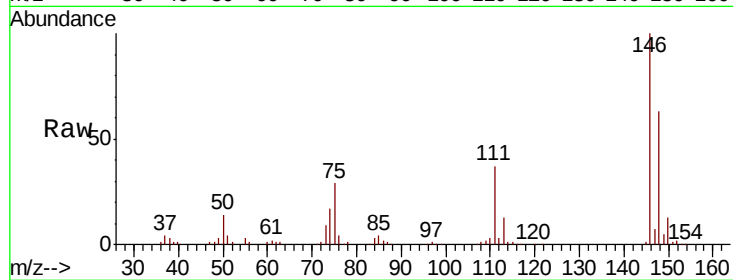
Tot Ion:146 Resp: 179116

Ion Ratio Lower Upper

146 100

148 63.3 52.2 78.2

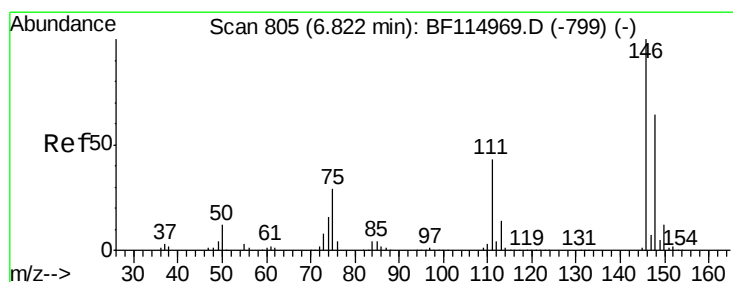
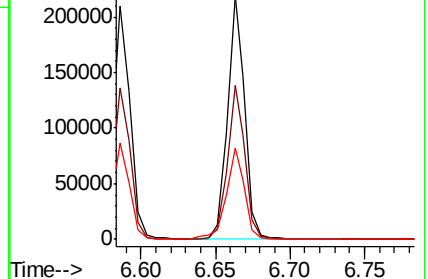
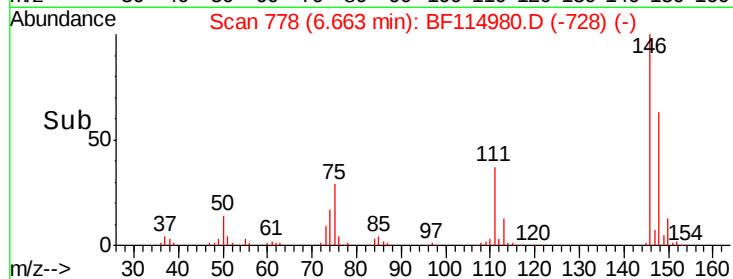
111 37.4 32.4 48.6



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: 7.536 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

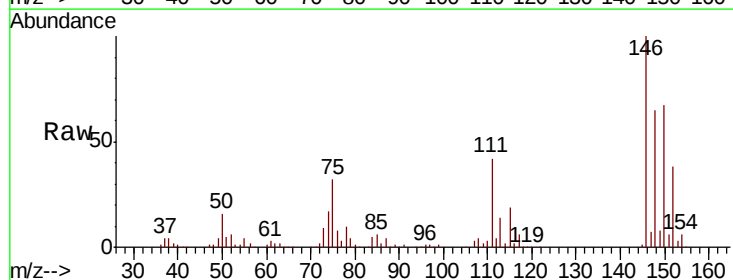
Tgt Ion:146 Resp: 165513

Ion Ratio Lower Upper

146 100

148 65.1 51.5 77.3

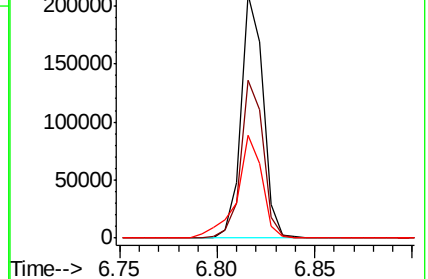
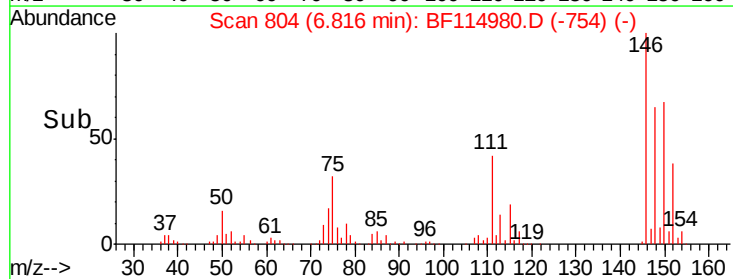
111 42.0 34.6 51.8

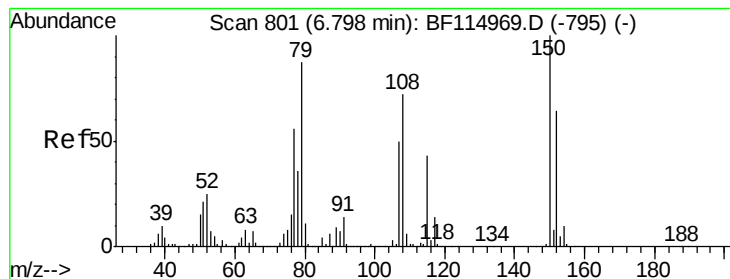


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 8.529 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

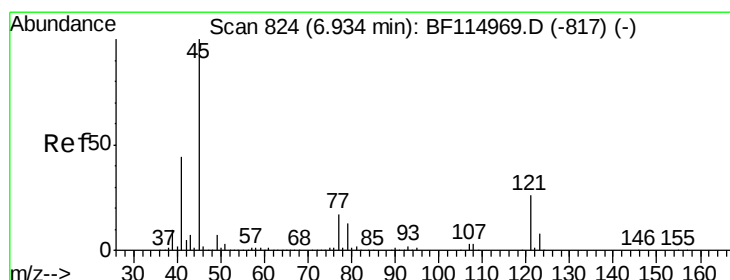
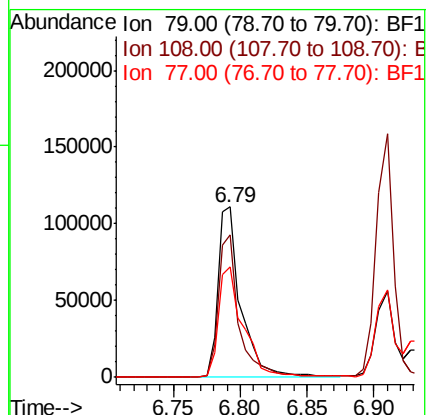
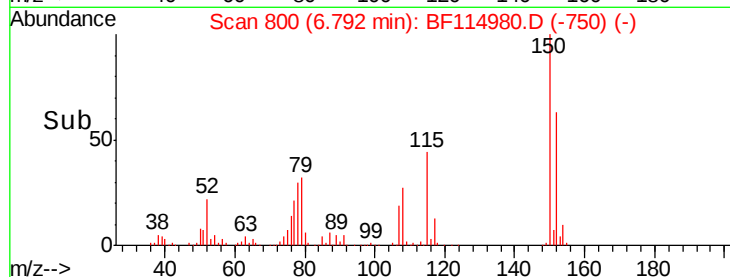
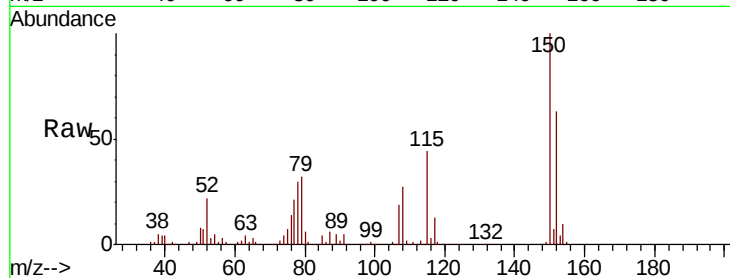
Tot Ion: 79 Resp: 135045

Ion Ratio Lower Upper

79 100

108 83.7 66.0 99.0

77 65.2 51.1 76.7



#16

2,2'-oxybis(1-chloropropane)

Concen: 7.469 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

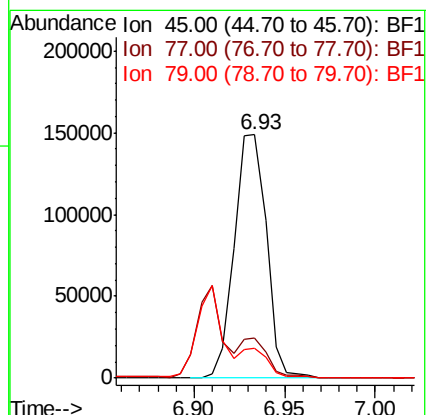
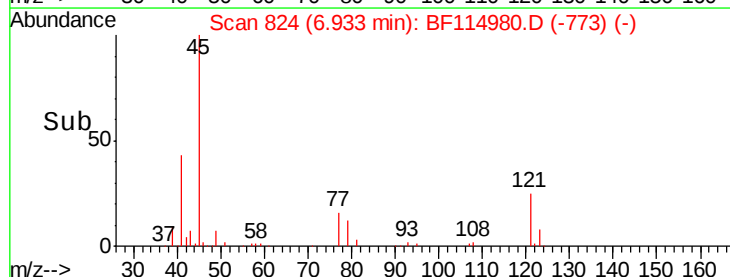
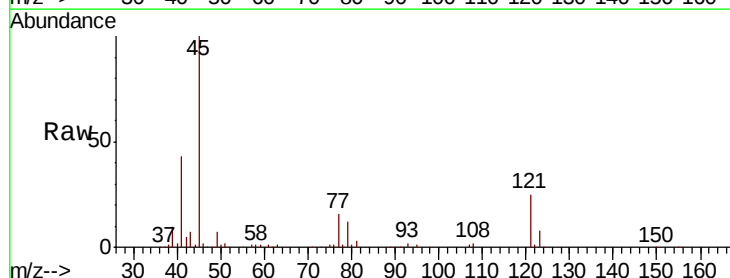
Tgt Ion: 45 Resp: 183461

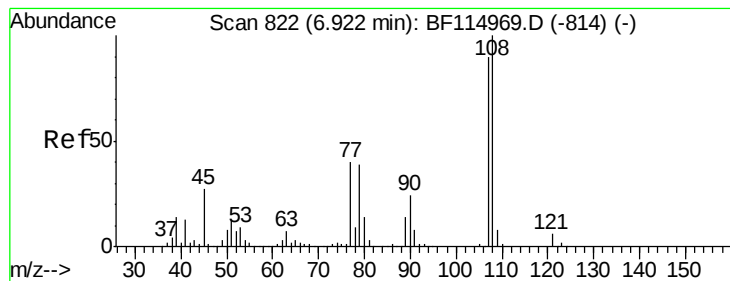
Ion Ratio Lower Upper

45 100

77 16.3 0.0 37.0

79 12.4 0.0 33.1

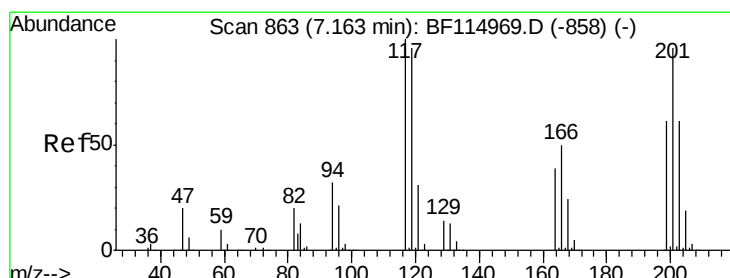
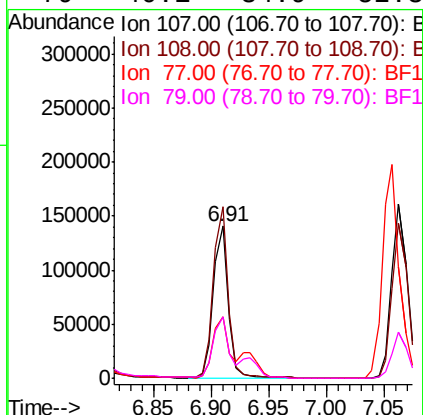
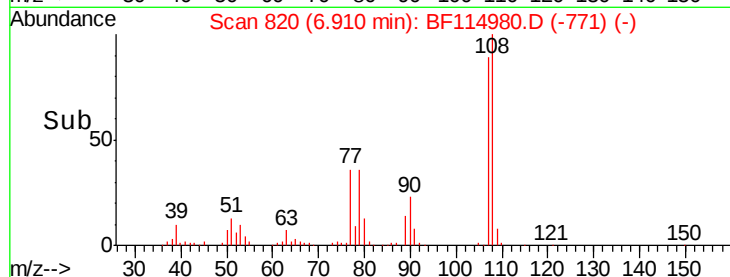
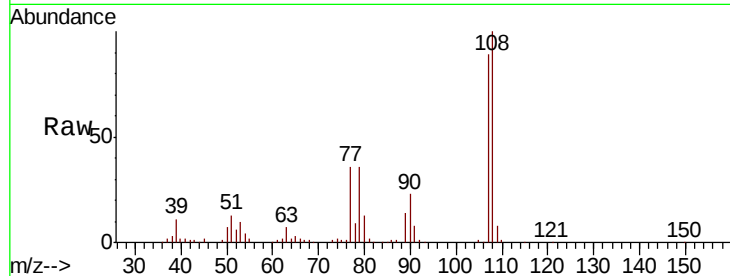




#17
2-Methylphenol
Concen: 7.753 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

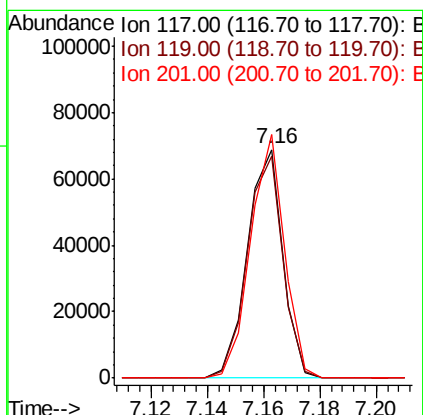
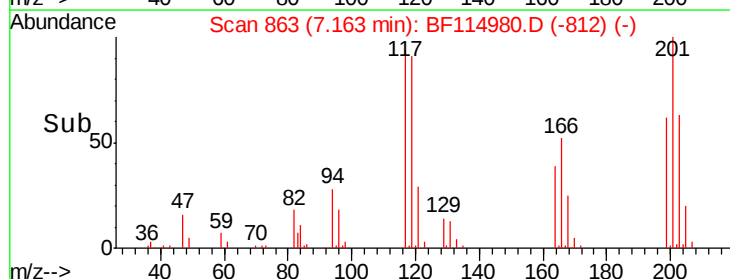
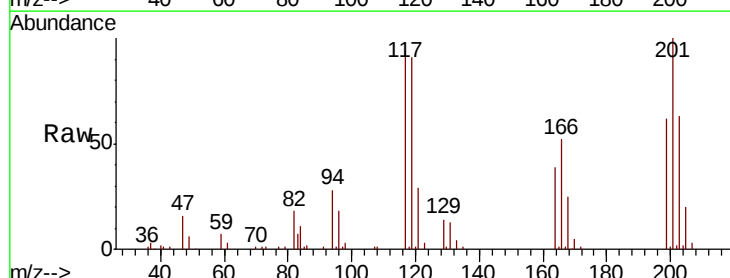
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

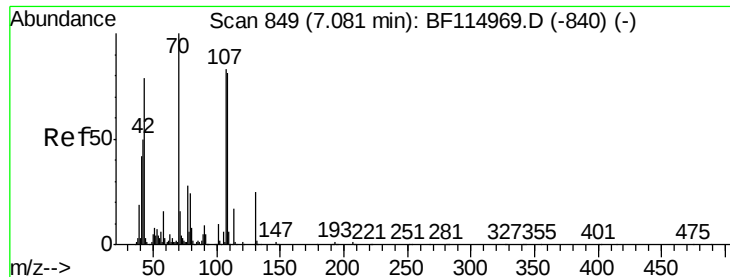
Tot Ion	Ratio	Lower	Upper
107	100		
108	112.6	89.3	133.9
77	40.2	35.4	53.2
79	40.1	34.9	52.3



#18
Hexachloroethane
Concen: 7.109 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.0	115.4
201	106.4	76.6	115.0

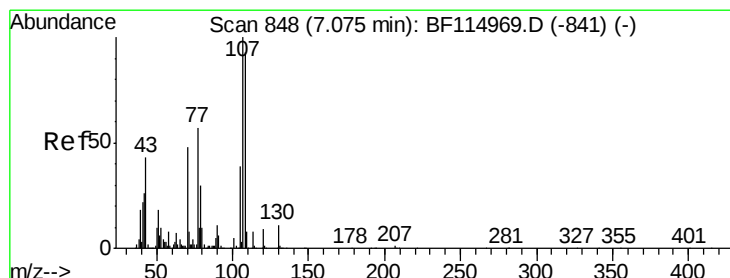
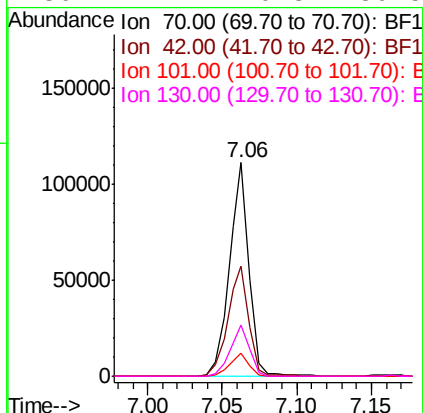
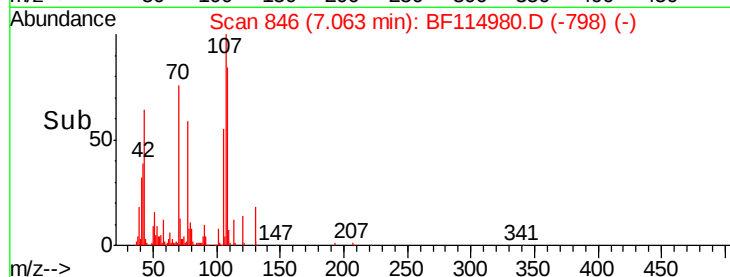
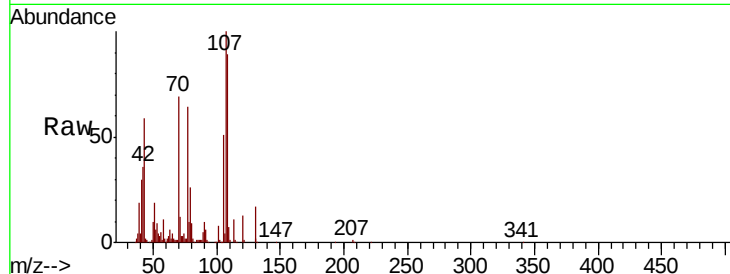




#19
n-Nitroso-di-n-propylamine
Concen: 7.986 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

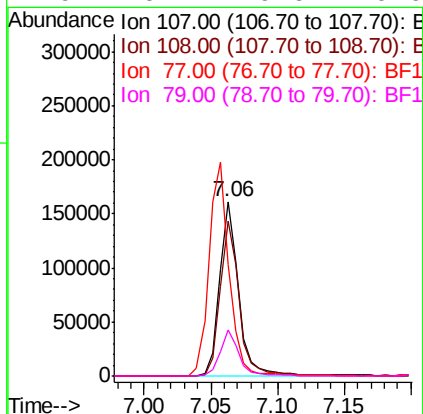
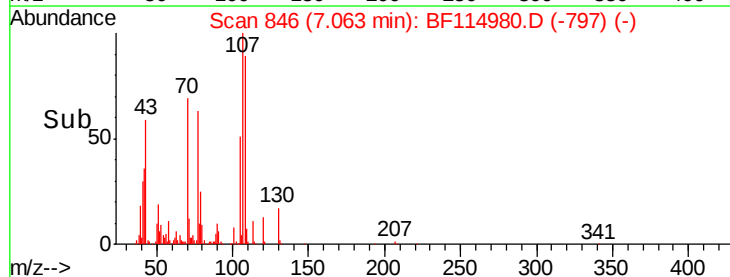
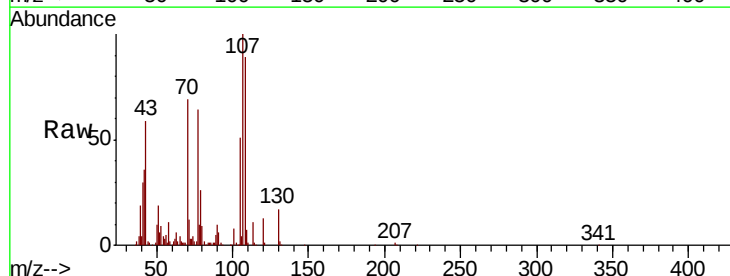
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

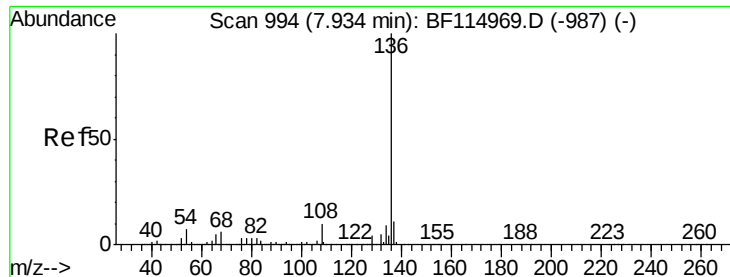
Tot Ion:	70	Resp:	102541
Ion	Ratio	Lower	Upper
70	100		
42	51.5	40.3	60.5
101	11.1	8.2	12.4
130	24.1	20.3	30.5



#20
3+4-Methylphenols
Concen: 8.247 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion:	107	Resp:	162638
Ion	Ratio	Lower	Upper
107	100		
108	89.1	73.1	113.1
77	63.7	37.3	77.3
79	26.2	9.6	49.6

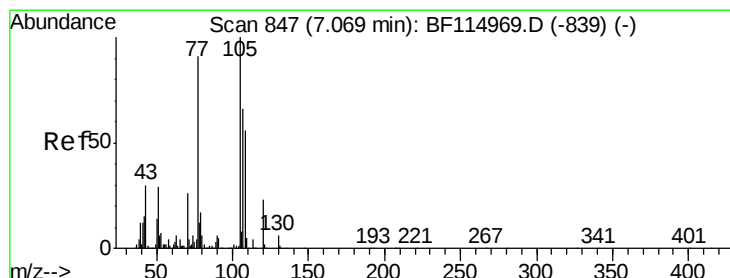
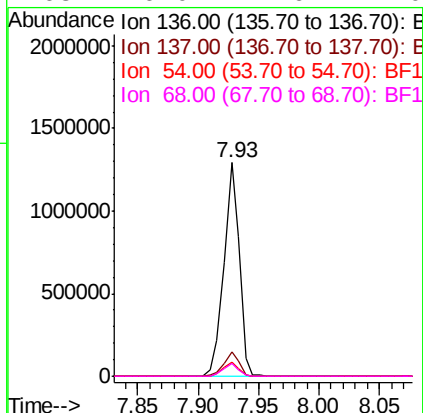
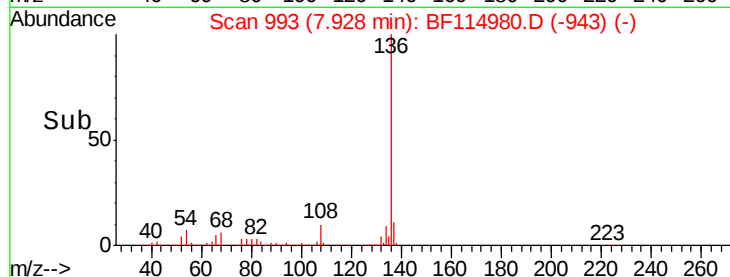
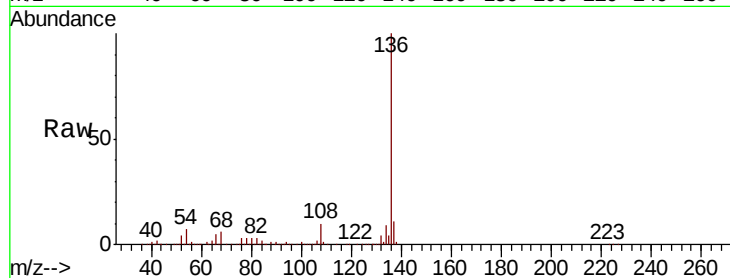




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

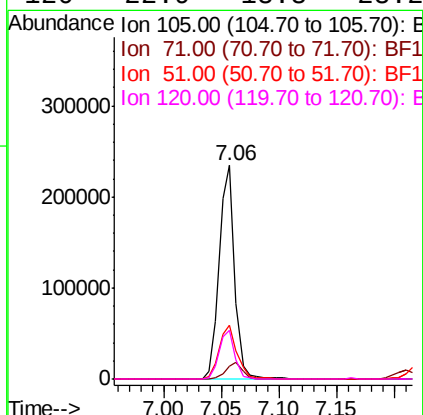
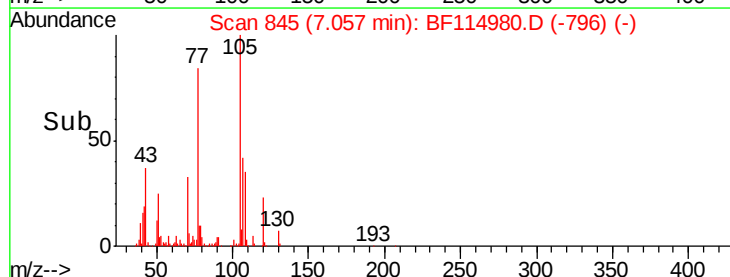
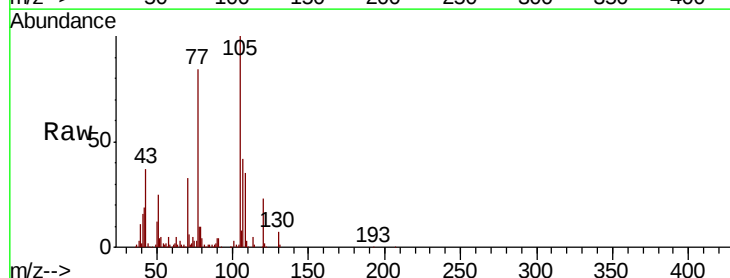
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

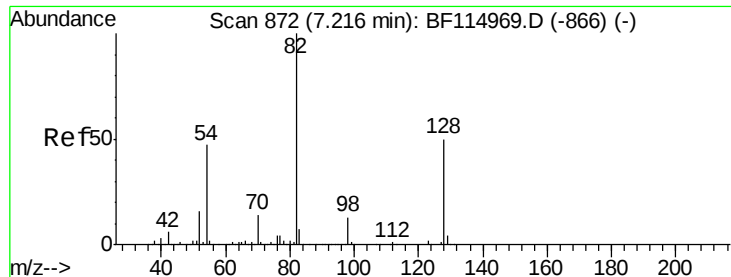
Tot Ion:136	Resp: 1137542
Ion Ratio	Lower Upper
136 100	
137 11.5	9.0 13.4
54 6.9	5.4 8.0
68 6.0	4.6 7.0



#22
Acetophenone
Concen: 8.437 ng
RT: 7.06 min Scan# 845
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt	Ion:105	Resp:	217255
Ion	Ratio	Lower	Upper
105	100		
71	5.9	3.4	5.2#
51	25.3	23.3	34.9
120	22.9	18.8	28.2

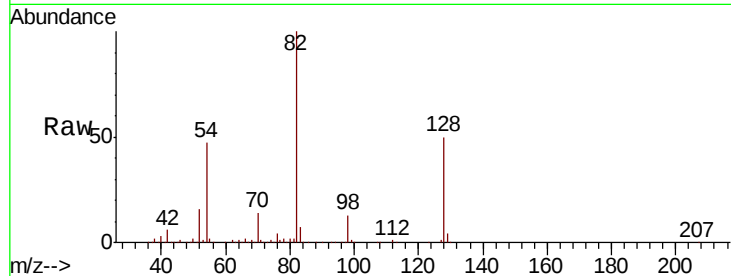




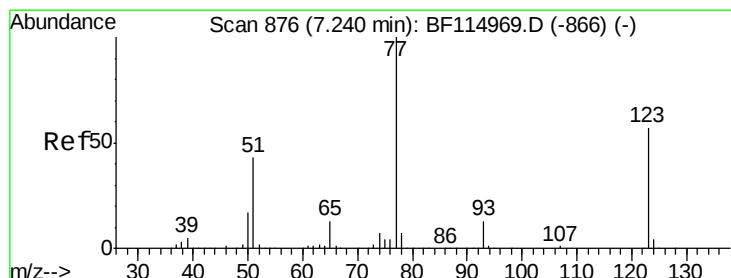
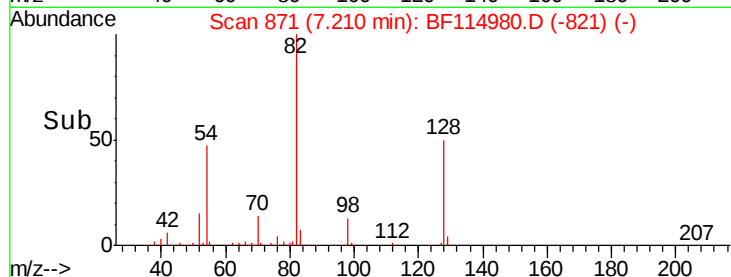
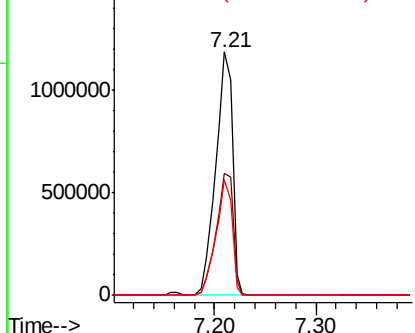
#23
Nitrobenzene-d5
Concen: 72.302 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion: 82 Resp: 1366402
Ion Ratio Lower Upper
82 100
128 50.4 39.9 59.9
54 47.4 37.3 55.9

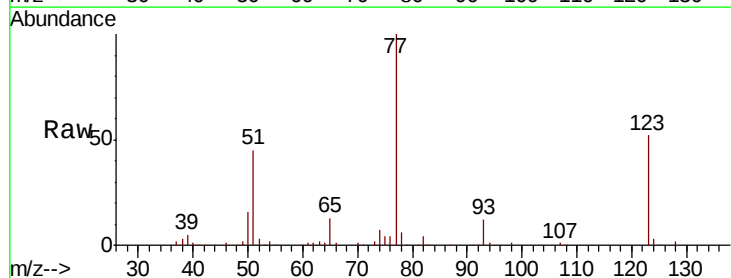


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

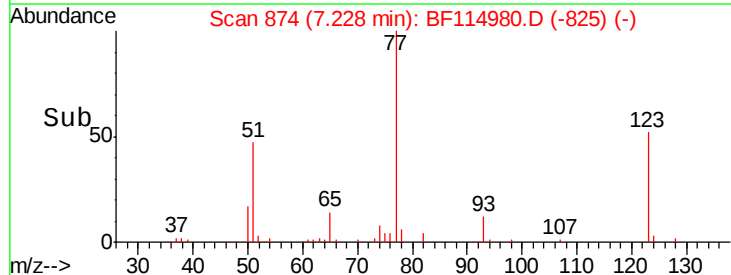
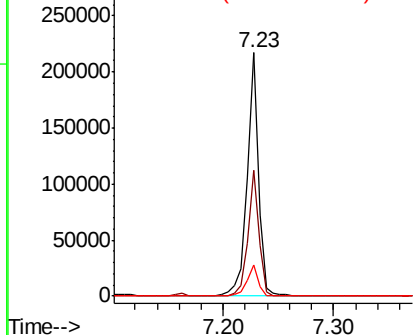


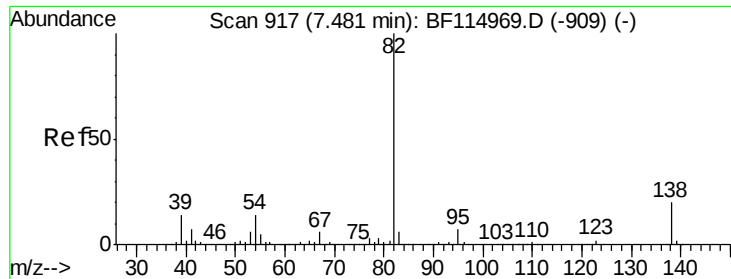
#24
Nitrobenzene
Concen: 8.189 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion: 77 Resp: 157464
Ion Ratio Lower Upper
77 100
123 51.8 45.5 68.3
65 13.0 10.3 15.5



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





#25

Isophorone

Concen: 7.844 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

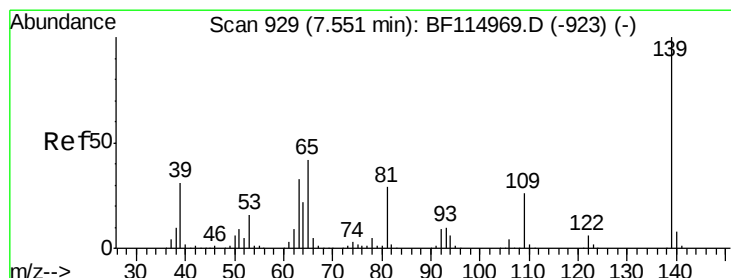
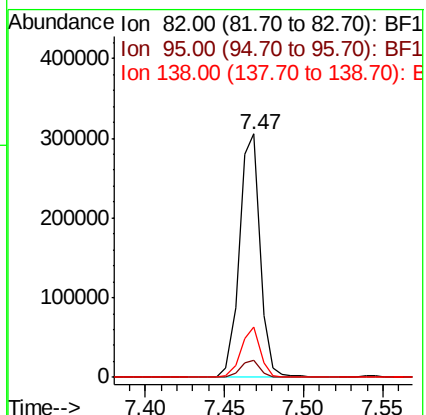
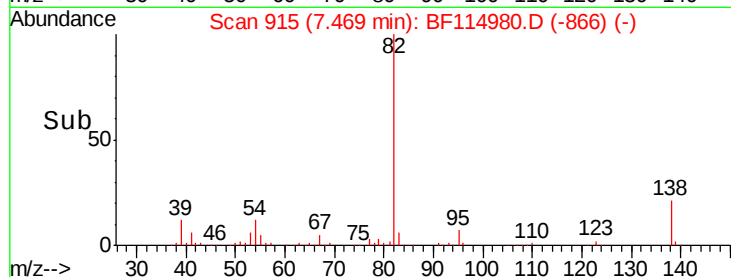
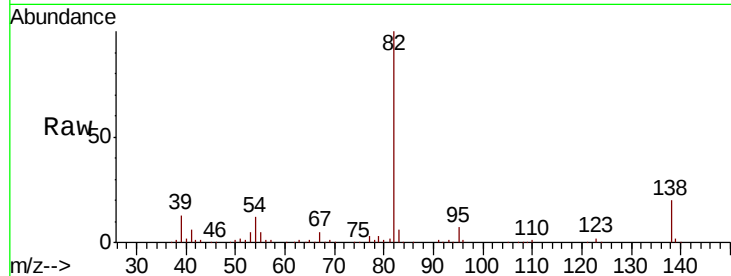
Tot Ion: 82 Resp: 277658

Ion Ratio Lower Upper

82 100

95 6.8 5.6 8.4

138 20.5 16.1 24.1



#26

2-Nitrophenol

Concen: 7.629 ng

RT: 7.55 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

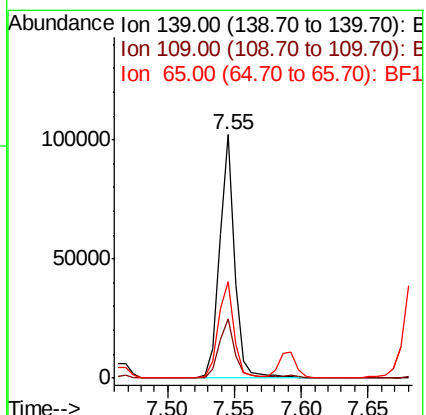
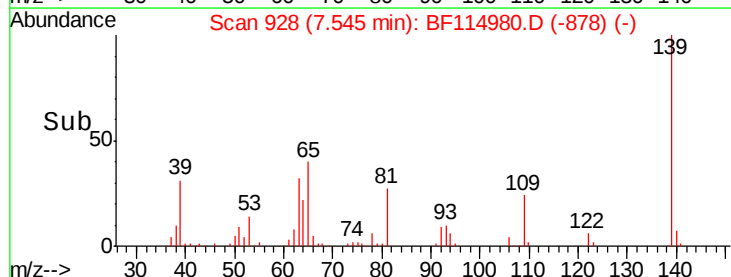
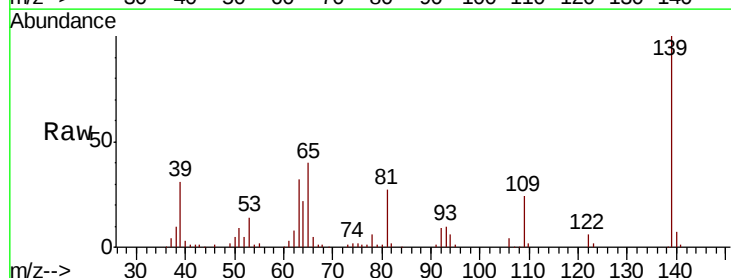
Tgt Ion: 139 Resp: 81767

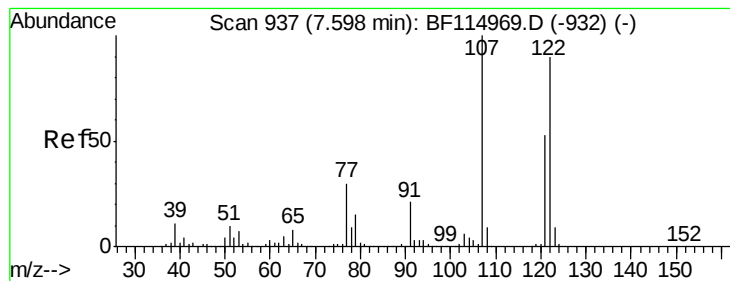
Ion Ratio Lower Upper

139 100

109 24.2 20.8 31.2

65 39.6 33.4 50.2





#27

2,4-Dimethylphenol

Concen: 7.815 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

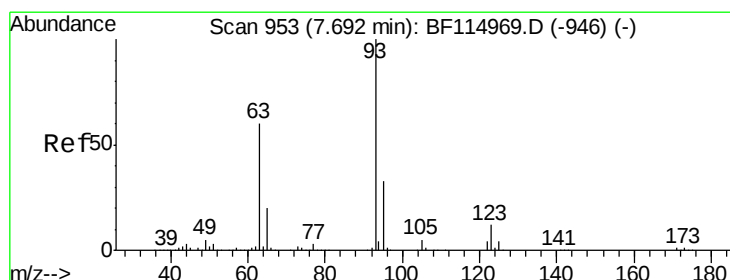
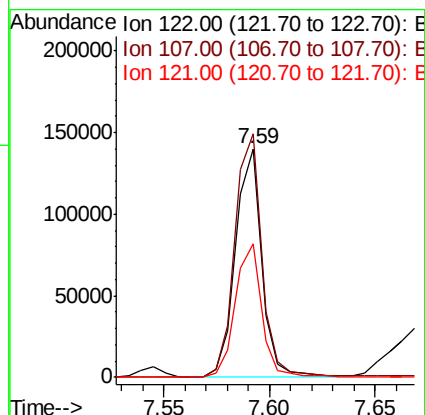
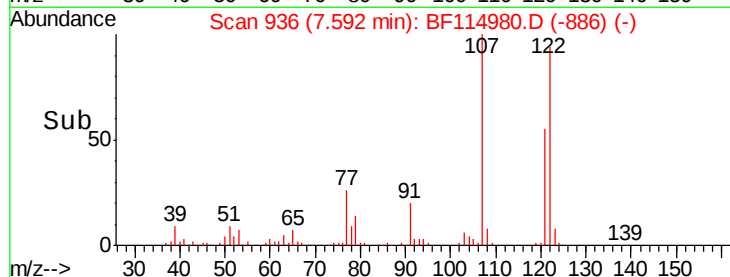
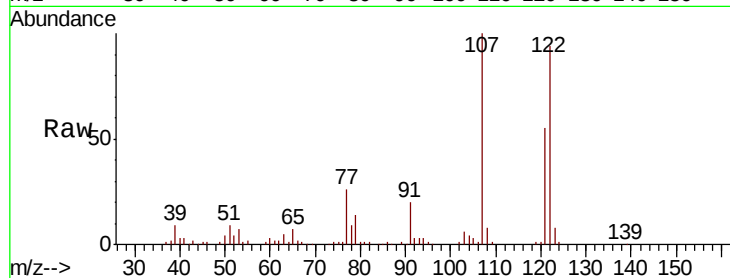
Tot Ion:122 Resp: 120830

Ion Ratio Lower Upper

122 100

107 106.4 88.8 133.2

121 58.1 47.4 71.0



#28

bis(2-Chloroethoxy)methane

Concen: 7.845 ng

RT: 7.68 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

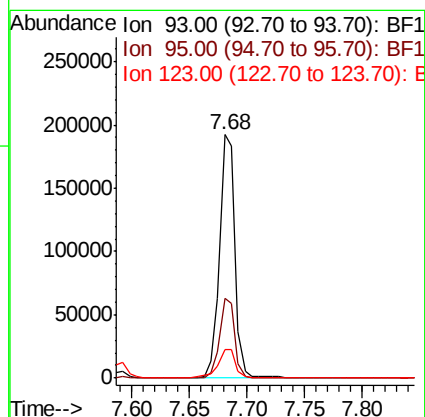
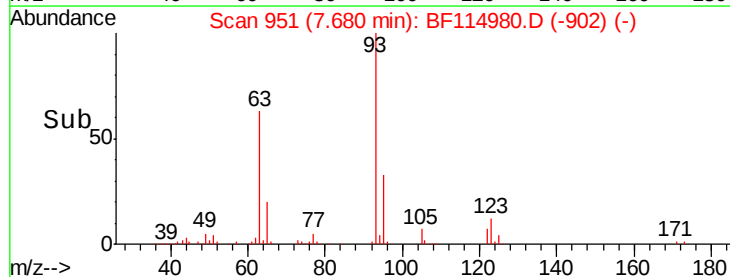
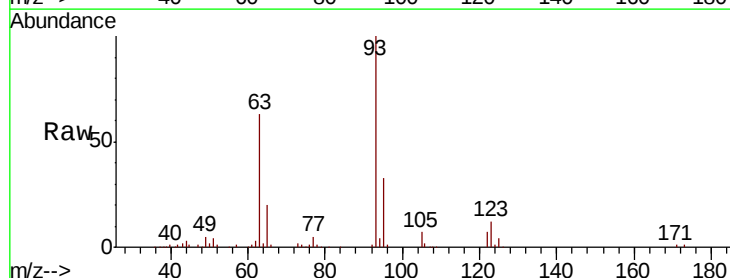
Tgt Ion: 93 Resp: 178156

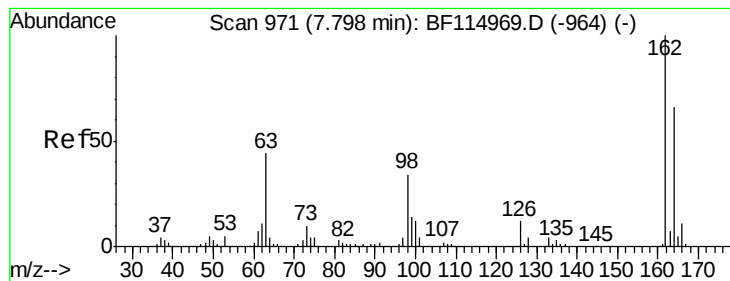
Ion Ratio Lower Upper

93 100

95 32.9 26.6 40.0

123 11.8 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 8.084 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

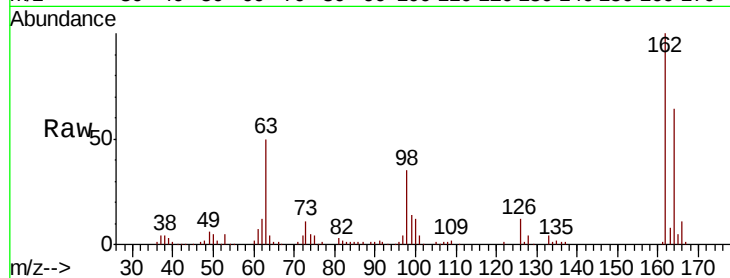
Tot Ion:162 Resp: 132031

Ion Ratio Lower Upper

162 100

164 64.4 45.7 85.7

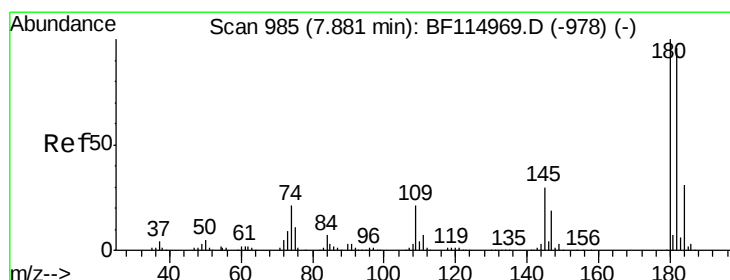
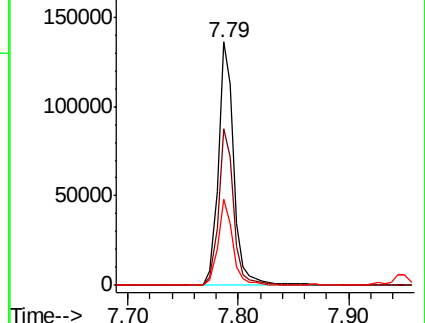
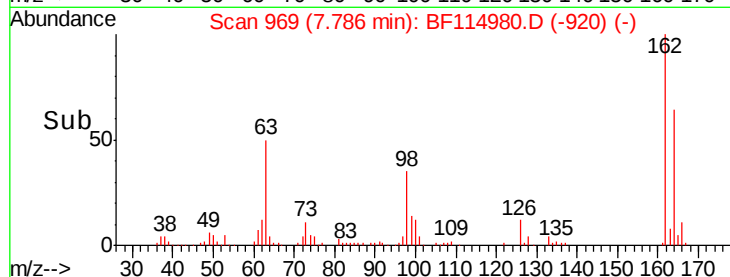
98 35.3 14.0 54.0



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: 7.825 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

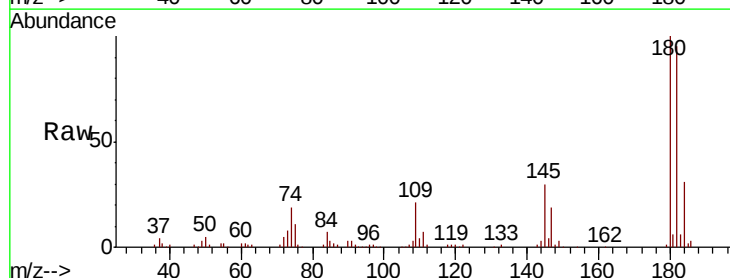
Tgt Ion:180 Resp: 147677

Ion Ratio Lower Upper

180 100

182 94.6 76.7 115.1

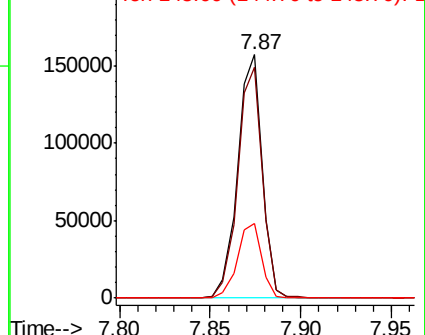
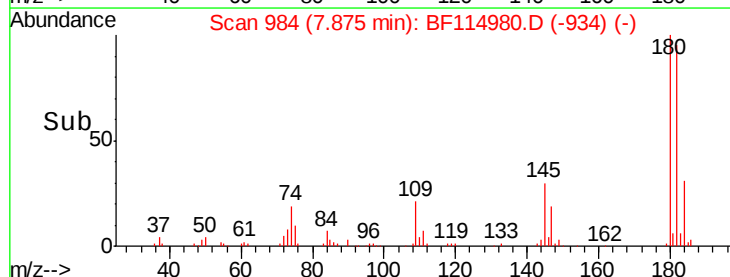
145 30.4 24.1 36.1

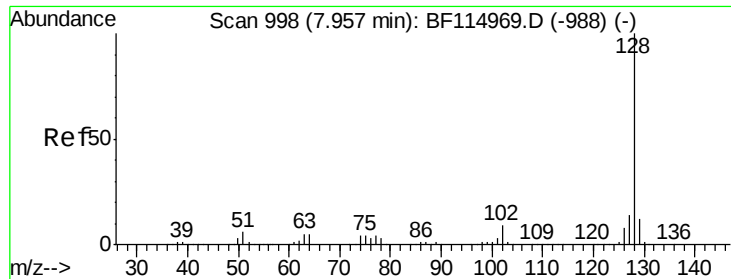


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

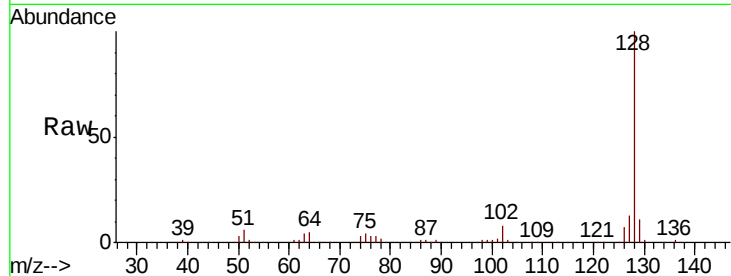




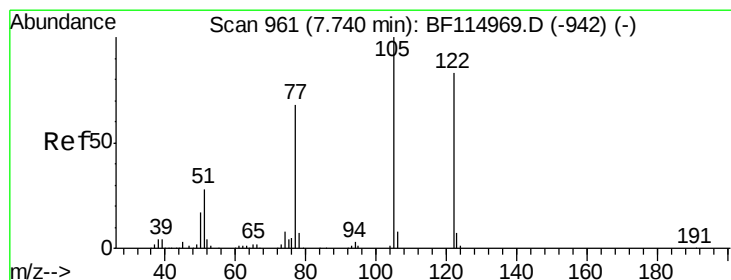
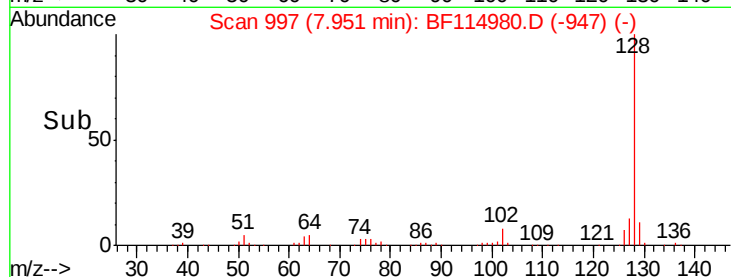
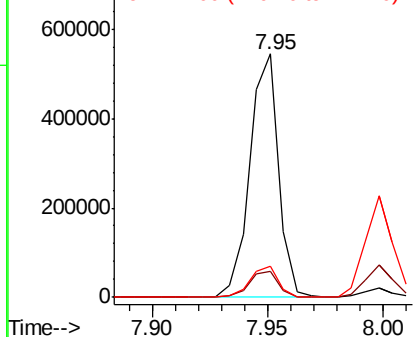
#31
Naphthalene
Concen: 8.850 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:128 Resp: 476308
Ion Ratio Lower Upper
128 100
129 10.7 9.5 14.3
127 12.8 11.5 17.3

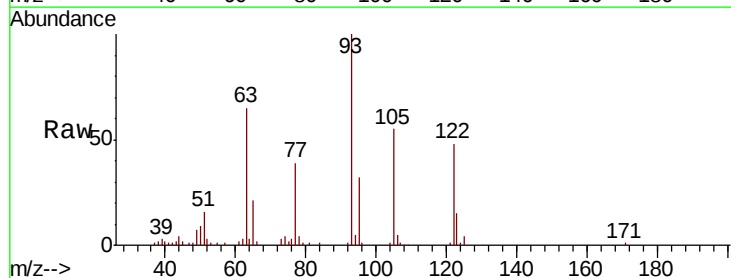


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

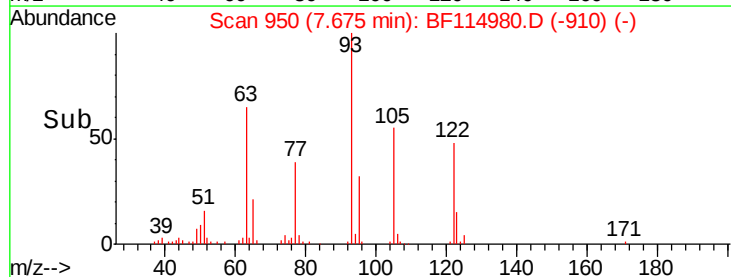
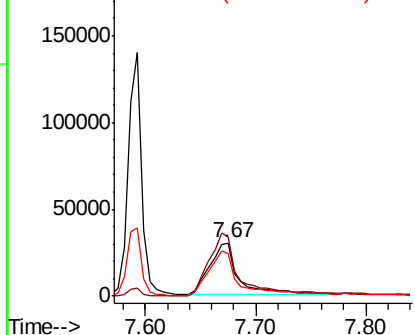


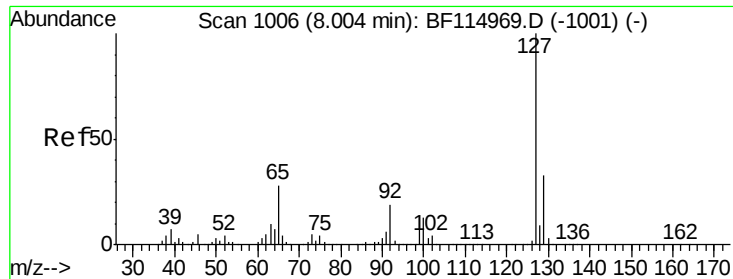
#32
Benzoic acid
Concen: 4.971 ng
RT: 7.67 min Scan# 950
Delta R.T. -0.06 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion:122 Resp: 55605
Ion Ratio Lower Upper
122 100
105 112.7 98.6 138.6
77 81.1 60.9 100.9



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

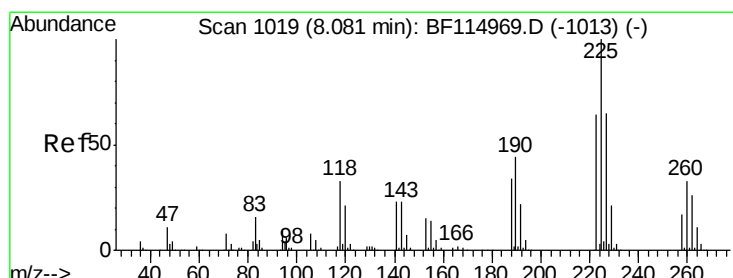
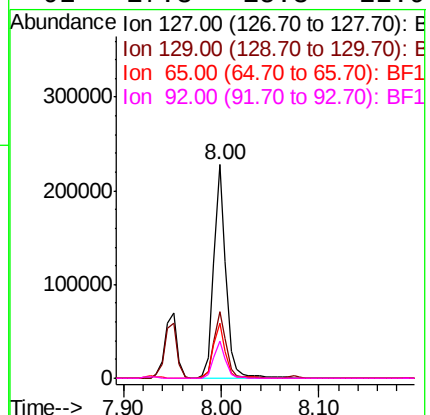
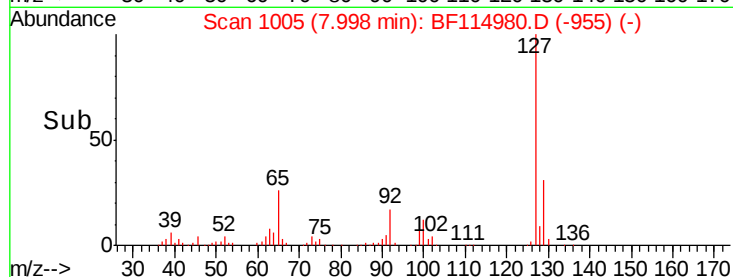
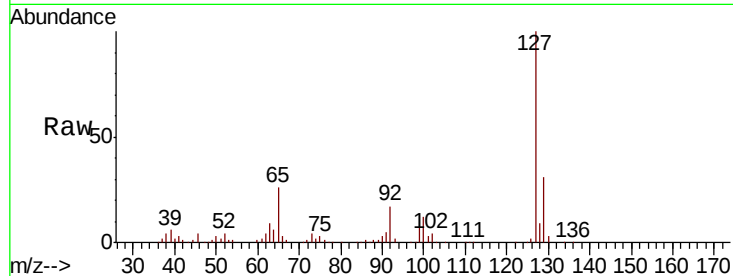




#33
4-Chloroaniline
Concen: 7.960 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

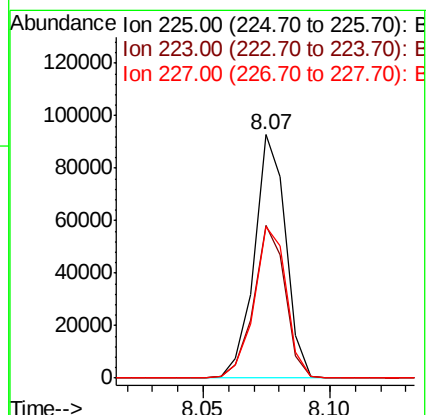
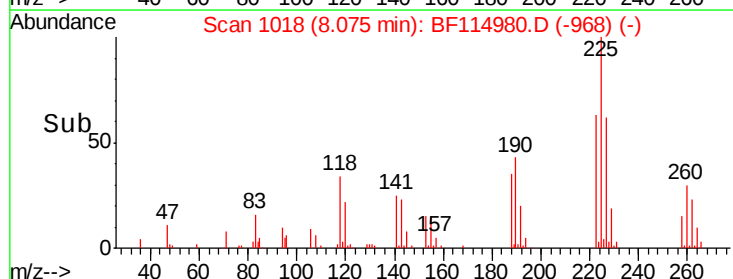
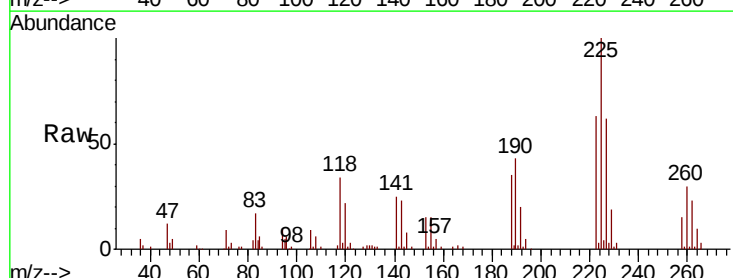
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

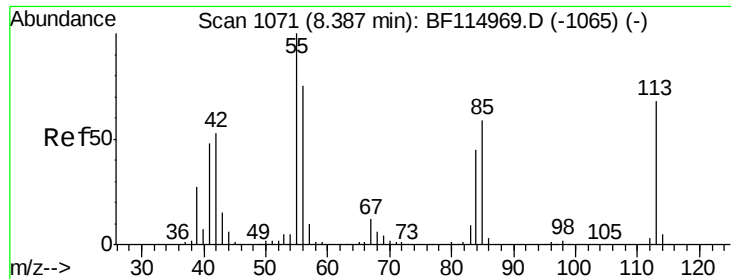
Tot Ion:	127	Resp:	197751
Ion	Ratio	Lower	Upper
127	100		
129	31.3	26.1	39.1
65	25.7	22.3	33.5
92	17.3	15.3	22.9



#34
Hexachlorobutadiene
Concen: 7.631 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion:	225	Resp:	80054
Ion	Ratio	Lower	Upper
225	100		
223	62.8	51.0	76.6
227	62.4	51.7	77.5

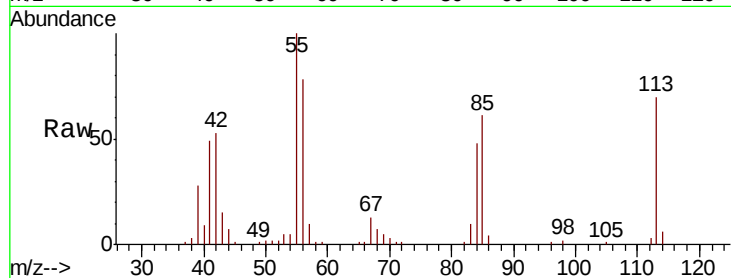




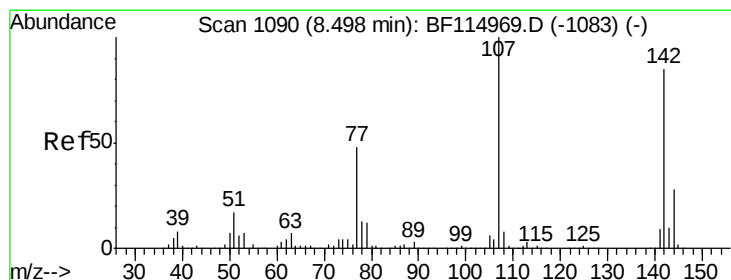
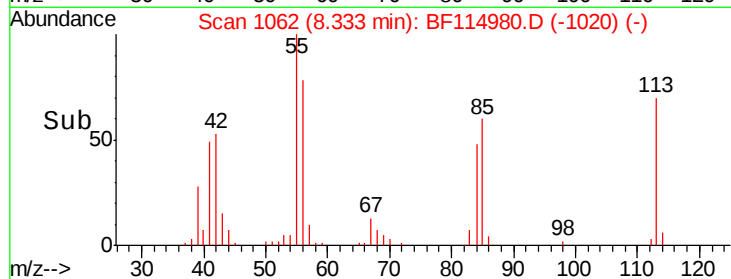
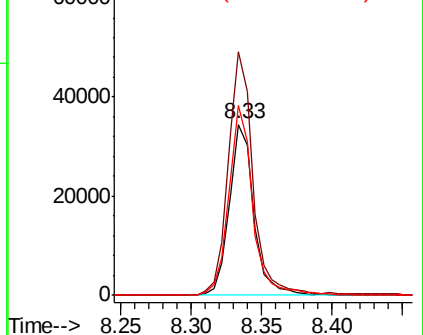
#35
 Caprolactam
 Concen: 7.661 ng
 RT: 8.33 min Scan# 1062
 Delta R.T. -0.05 min
 Lab File: BF114980.D
 Acq: 12 Jun 2019 17:44

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion:113 Resp: 41678
 Ion Ratio Lower Upper
 113 100
 55 142.3 127.3 167.3
 56 110.8 90.6 130.6

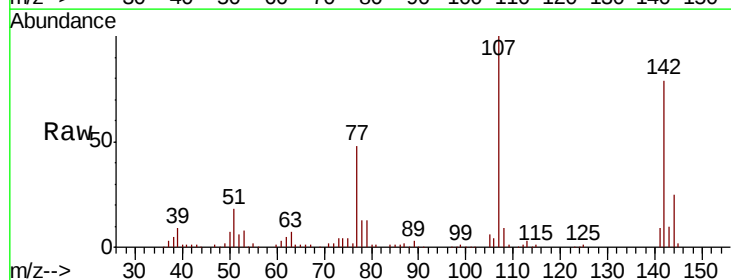


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

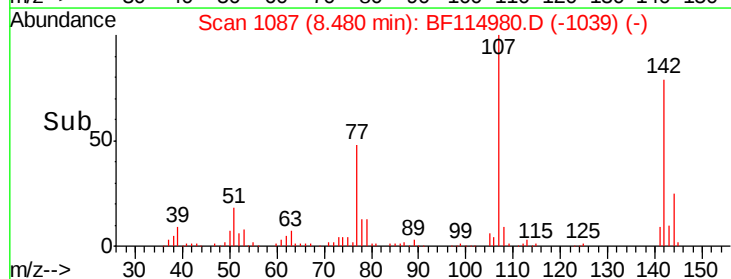
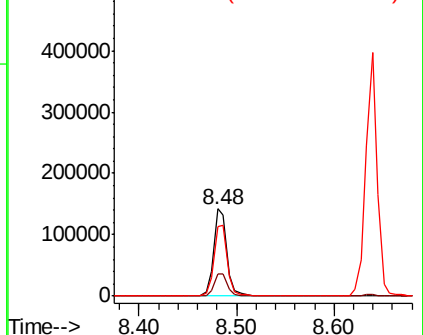


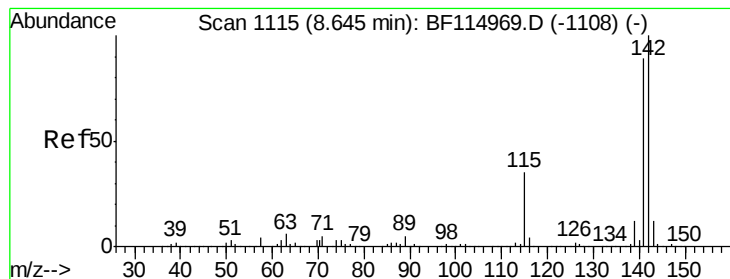
#36
 4-Chloro-3-methylphenol
 Concen: 8.103 ng
 RT: 8.48 min Scan# 1087
 Delta R.T. -0.02 min
 Lab File: BF114980.D
 Acq: 12 Jun 2019 17:44

Tgt Ion:107 Resp: 133380
 Ion Ratio Lower Upper
 107 100
 144 25.4 22.0 33.0
 142 79.3 68.2 102.4



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





#37

2-Methylnaphthalene

Concen: 8.968 ng

RT: 8.64 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

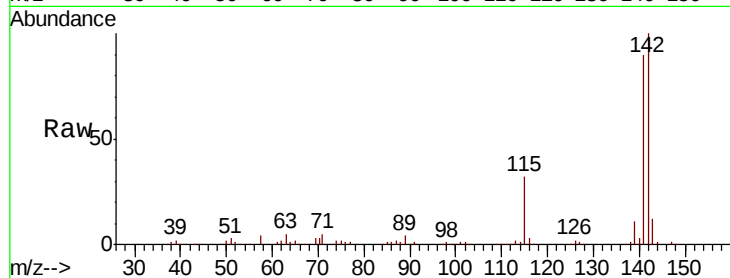
Tot Ion:142 Resp: 321943

Ion Ratio Lower Upper

142 100

141 90.0 71.0 106.6

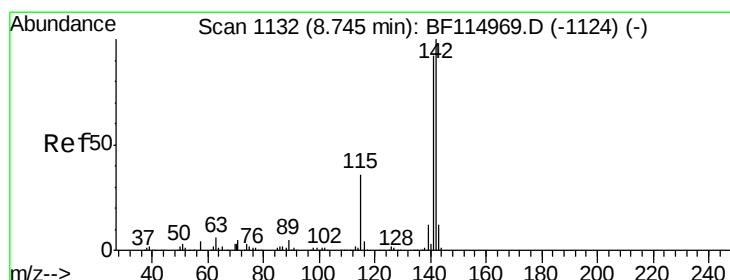
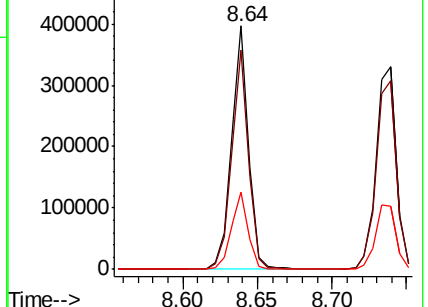
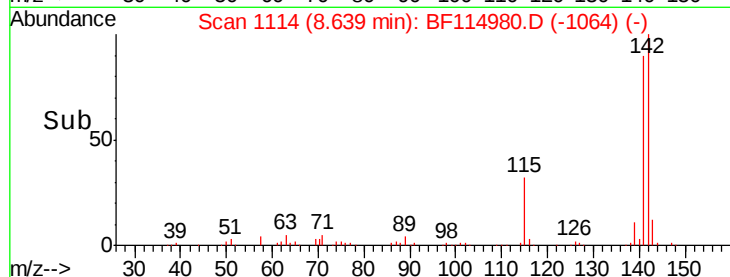
115 31.6 27.9 41.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 8.937 ng

RT: 8.74 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

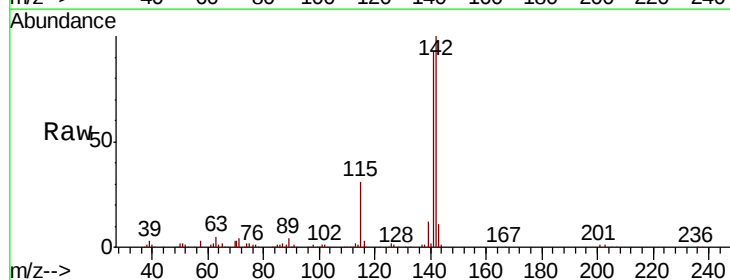
Tgt Ion:142 Resp: 303215

Ion Ratio Lower Upper

142 100

141 92.9 73.8 110.8

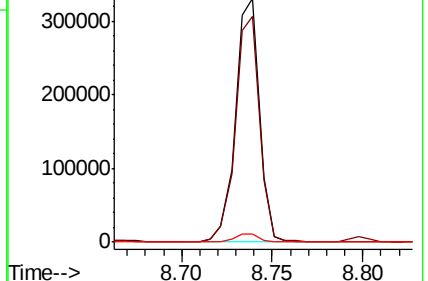
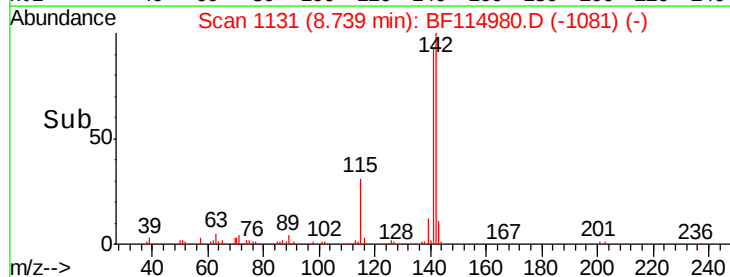
116 3.4 2.9 4.3

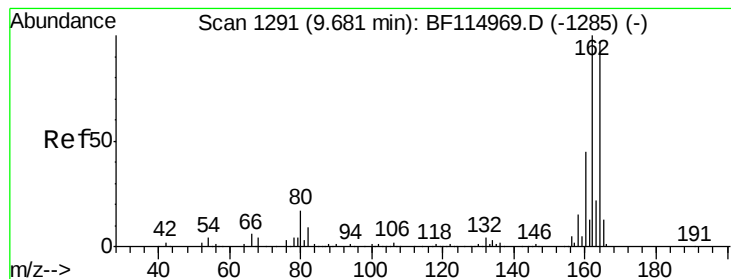


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

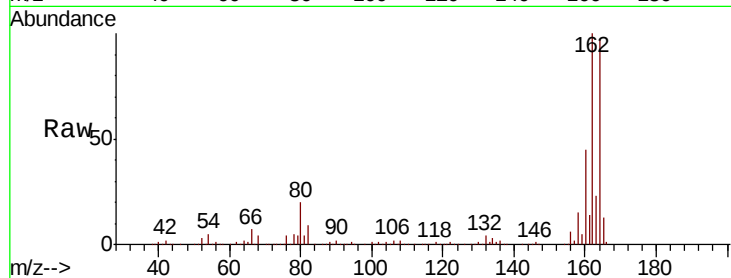
Tot Ion:164 Resp: 560811

Ion Ratio Lower Upper

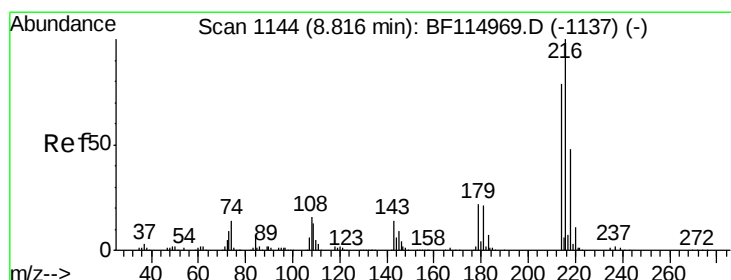
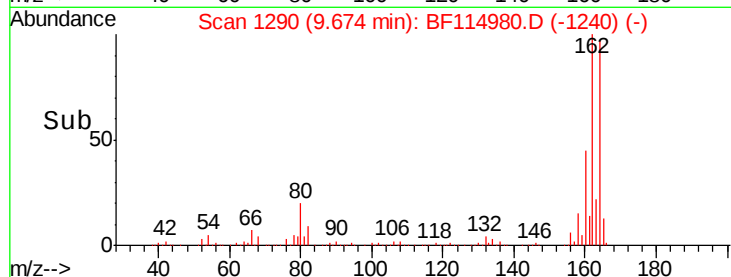
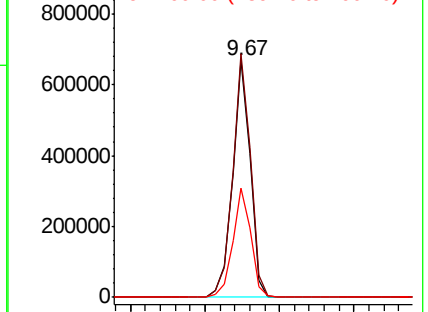
164 100

162 102.7 82.6 124.0

160 46.1 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: 8.320 ng

RT: 8.81 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Tgt Ion:216 Resp: 137855

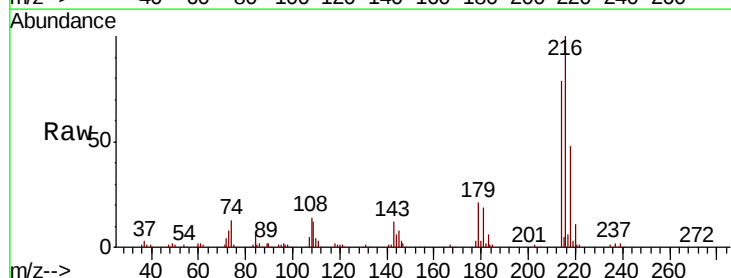
Ion Ratio Lower Upper

216 100

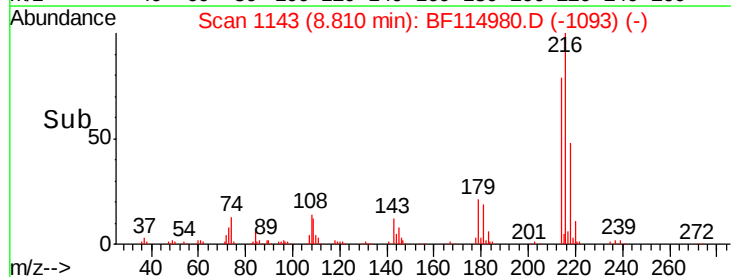
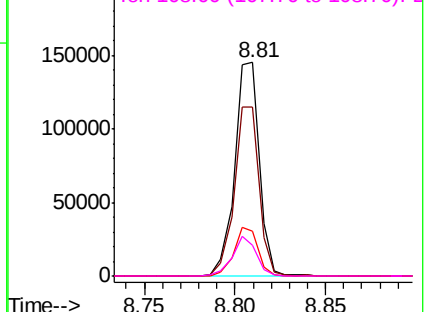
214 79.4 63.7 95.5

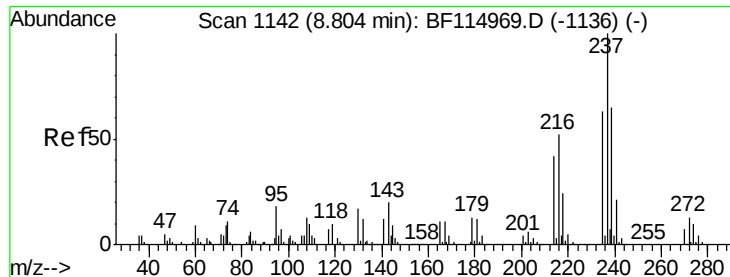
179 22.1 18.2 27.4

108 17.7 15.0 22.6



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: 5.134 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

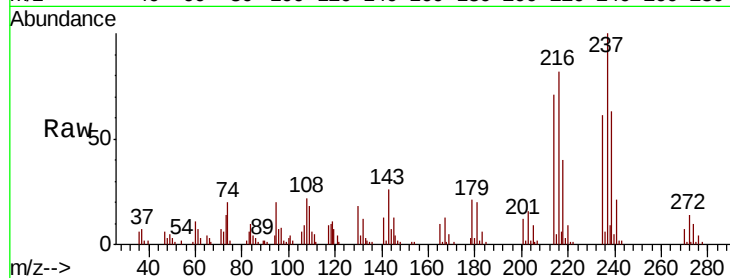
Tot Ion:237 Resp: 41914

Ion Ratio Lower Upper

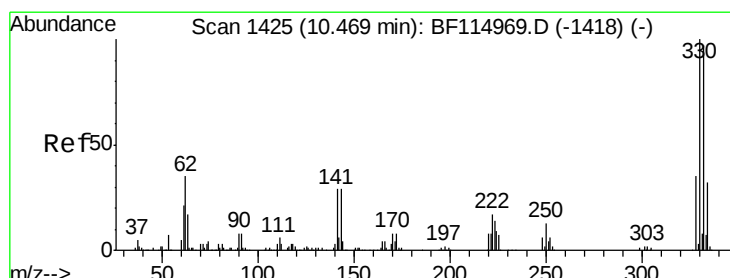
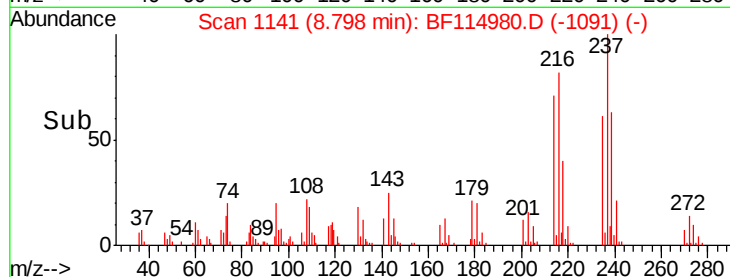
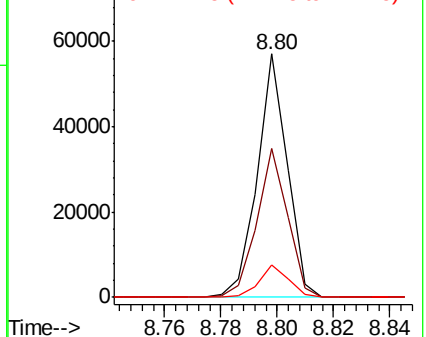
237 100

235 61.0 42.7 82.7

272 13.5 0.0 32.7



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: 109.002 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

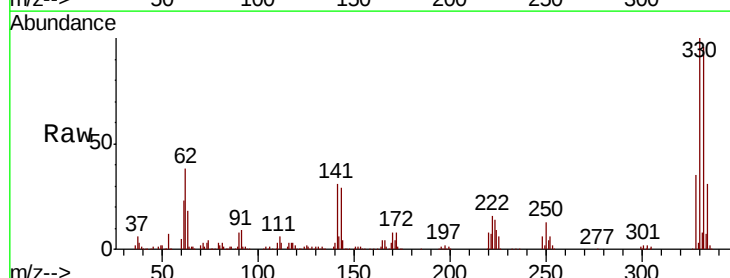
Tgt Ion:330 Resp: 654610

Ion Ratio Lower Upper

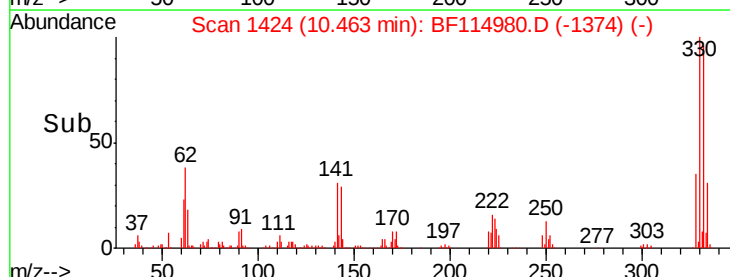
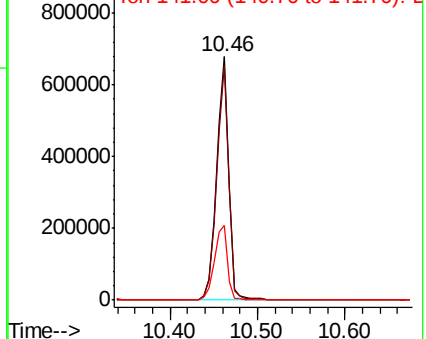
330 100

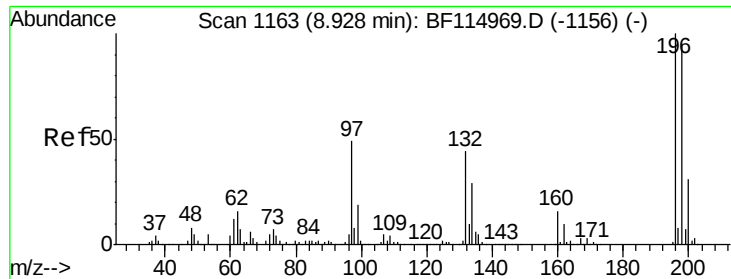
332 96.2 77.6 116.4

141 33.0 27.2 40.8



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

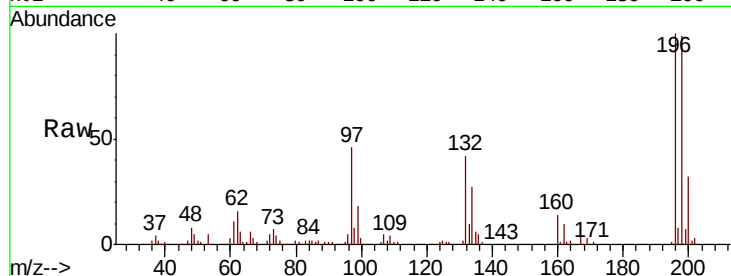




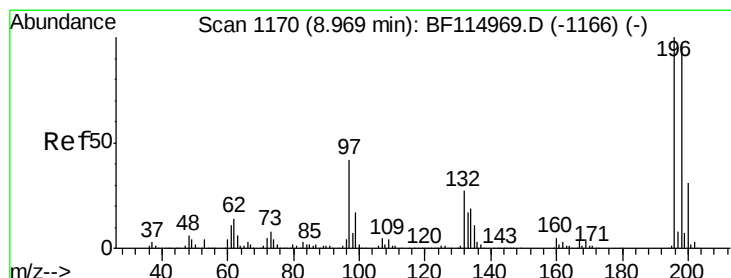
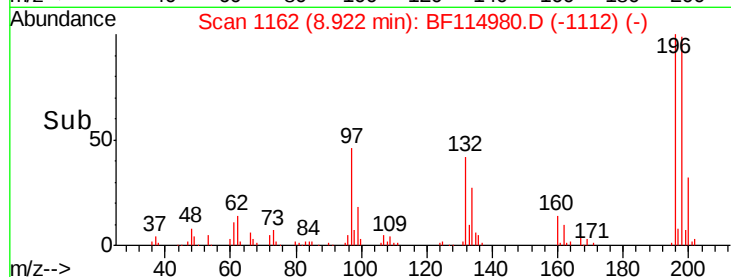
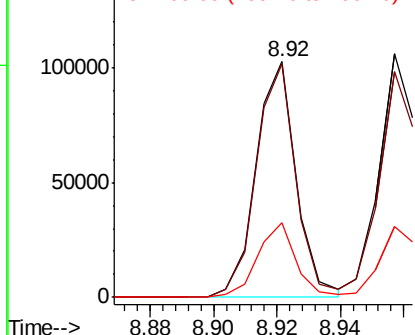
#43
 2,4,6-Trichlorophenol
 Concen: 7.333 ng
 RT: 8.92 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: BF114980.D
 Acq: 12 Jun 2019 17:44

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion:196 Resp: 90742
 Ion Ratio Lower Upper
 196 100
 198 99.1 75.8 113.8
 200 31.5 24.9 37.3



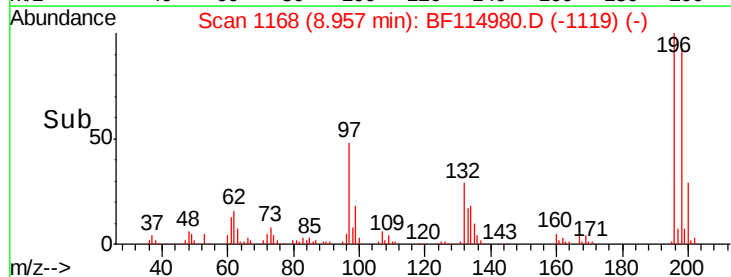
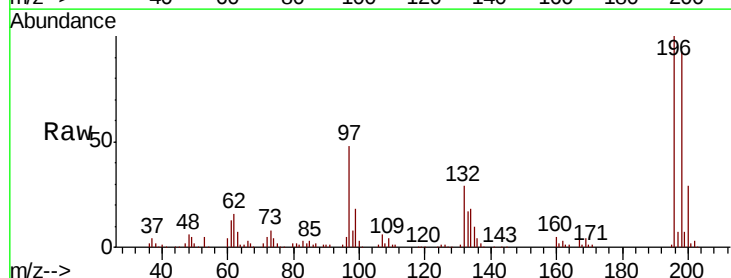
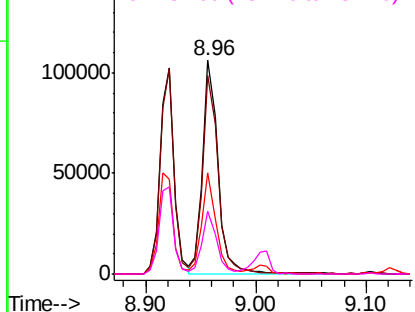
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

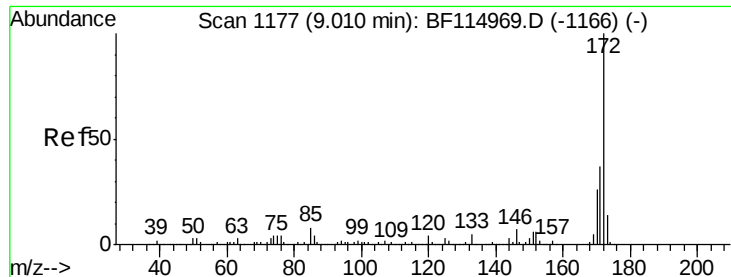


#44
 2,4,5-Trichlorophenol
 Concen: 8.059 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF114980.D
 Acq: 12 Jun 2019 17:44

Tgt Ion:196 Resp: 100793
 Ion Ratio Lower Upper
 196 100
 198 92.9 77.3 115.9
 97 47.6 34.2 51.4
 132 29.2 22.1 33.1

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

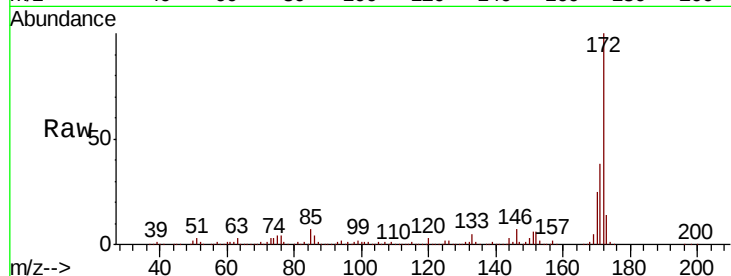




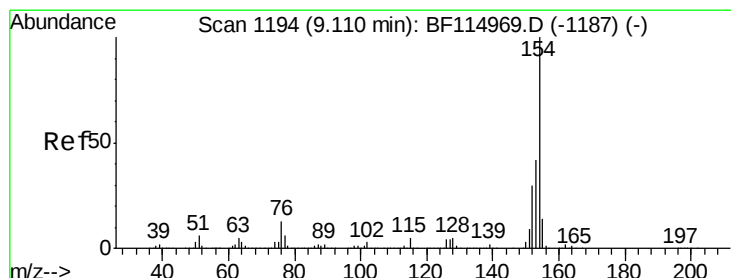
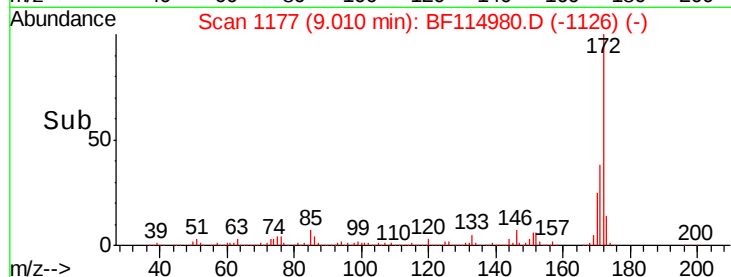
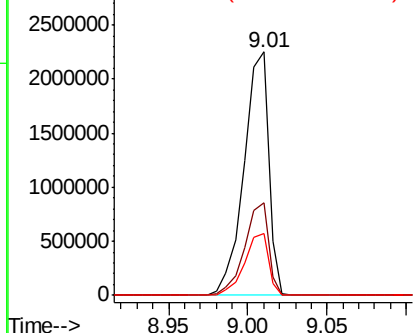
#45
2-Fluorobiphenyl
Concen: 73.622 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:172 Resp: 2436112
Ion Ratio Lower Upper
172 100
171 37.8 29.8 44.6
170 25.5 20.6 31.0

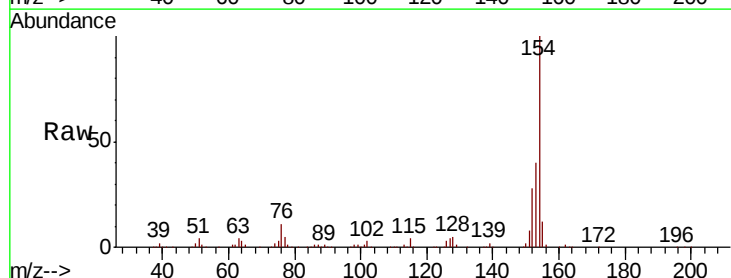


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

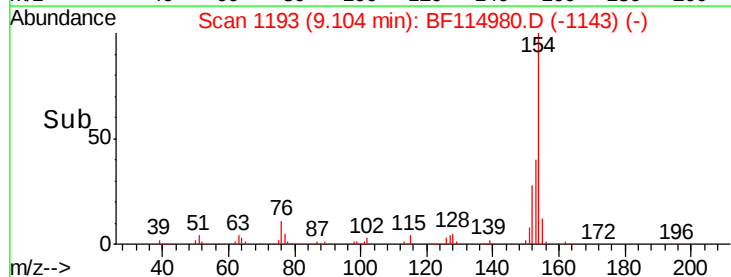
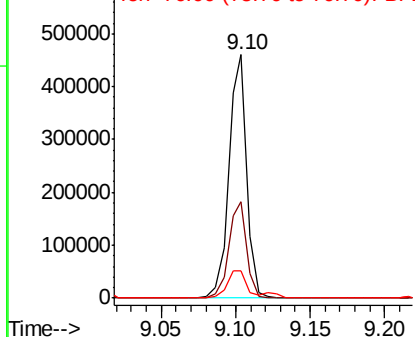


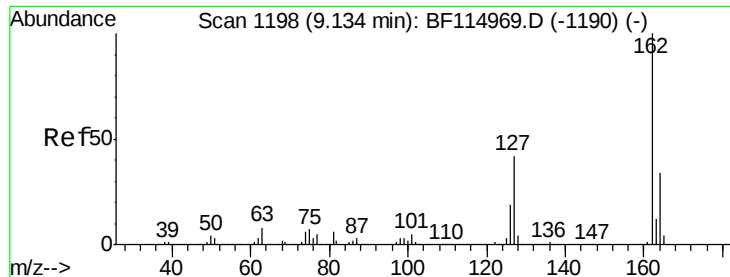
#46
1,1'-Biphenyl
Concen: 8.649 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion:154 Resp: 388677
Ion Ratio Lower Upper
154 100
153 39.7 22.4 62.4
76 11.2 0.0 33.3



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





#47

2-Chloronaphthalene

Concen: 8.179 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

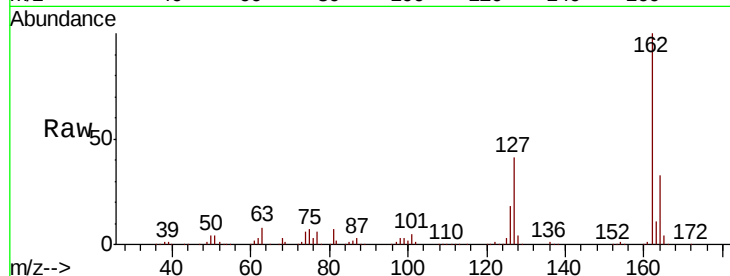
Tot Ion:162 Resp: 297236

Ion Ratio Lower Upper

162 100

127 40.6 33.4 50.2

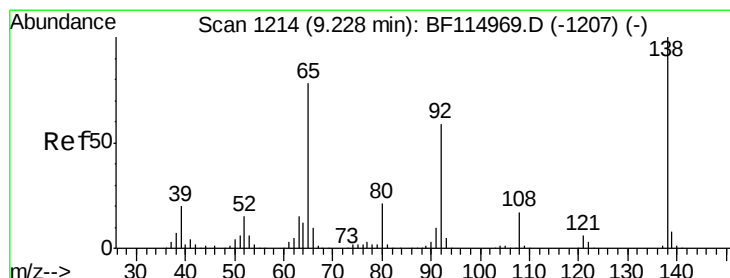
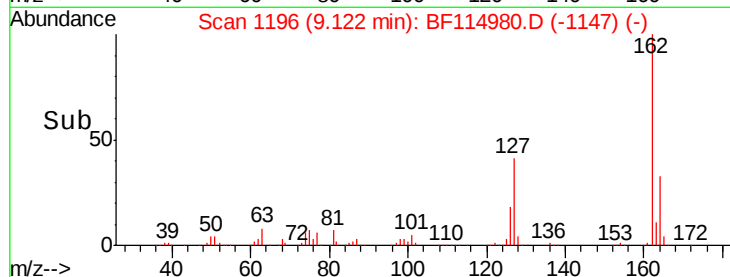
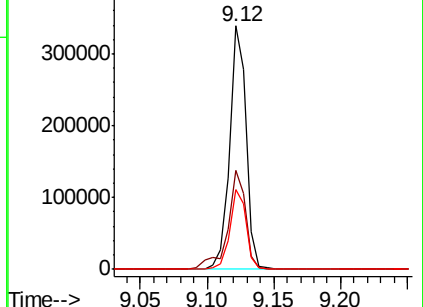
164 32.6 27.2 40.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 7.177 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

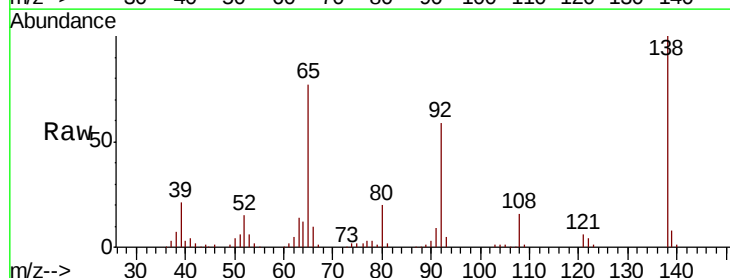
Tgt Ion: 65 Resp: 77095

Ion Ratio Lower Upper

65 100

92 76.6 60.5 90.7

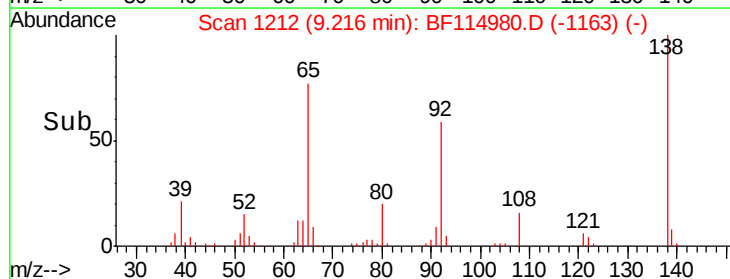
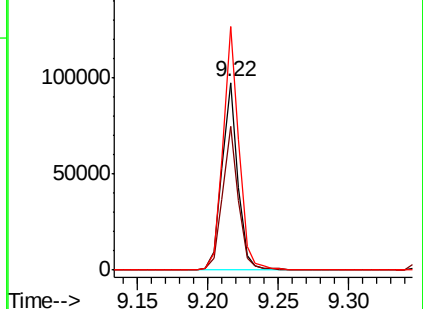
138 129.7 102.0 153.0

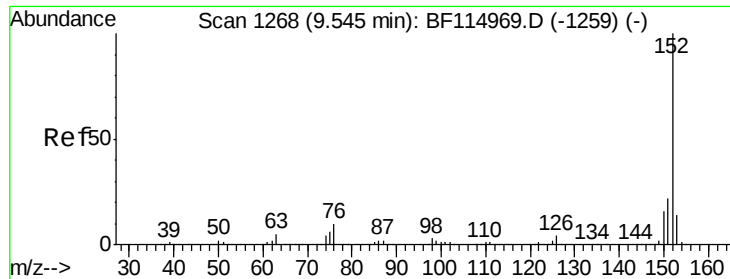


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 8.543 ng

RT: 9.53 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

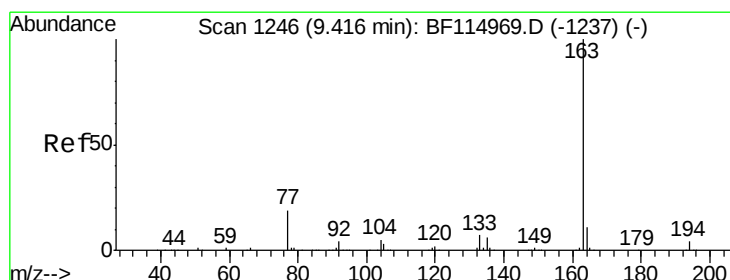
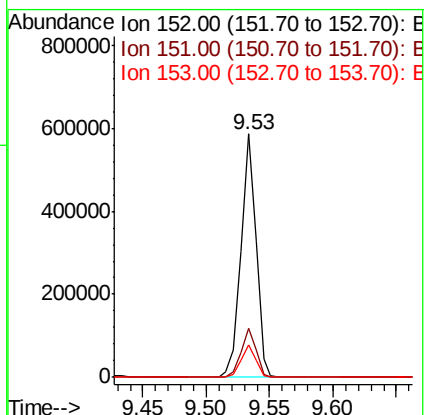
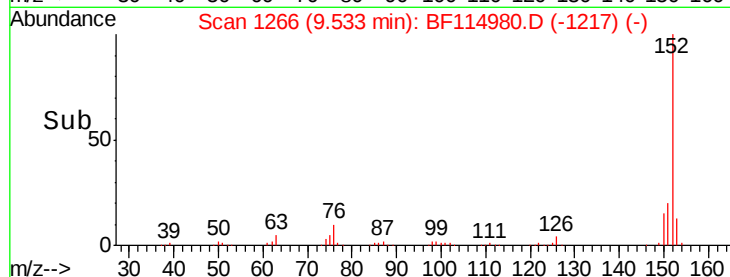
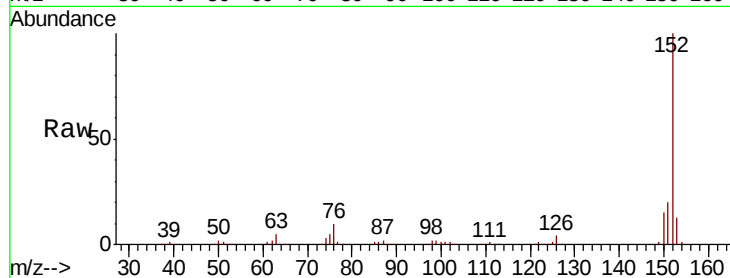
Tot Ion:152 Resp: 477321

Ion Ratio Lower Upper

152 100

151 20.0 17.5 26.3

153 13.3 11.2 16.8



#50

Dimethylphthalate

Concen: 7.911 ng

RT: 9.40 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

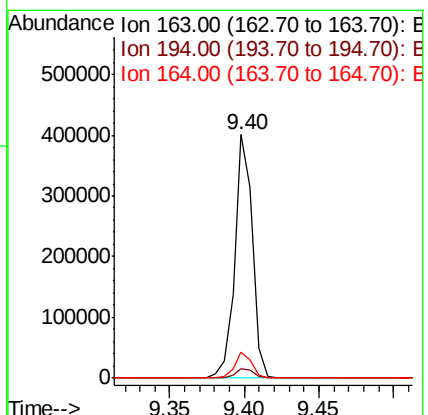
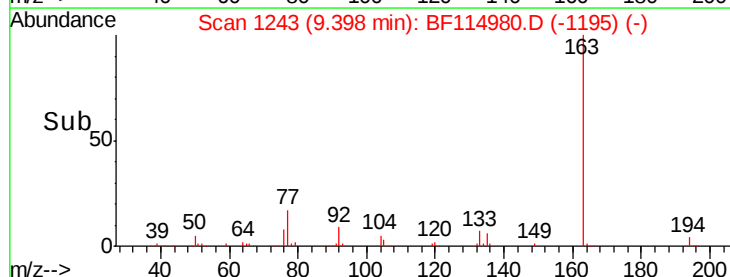
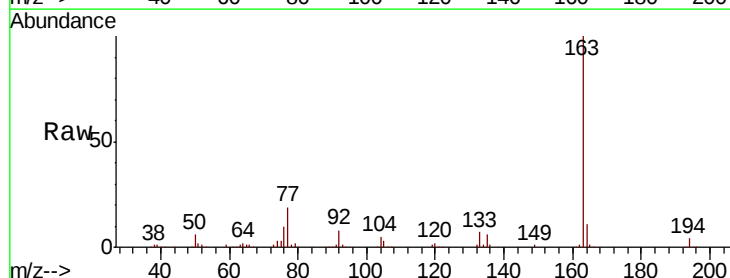
Tgt Ion:163 Resp: 333655

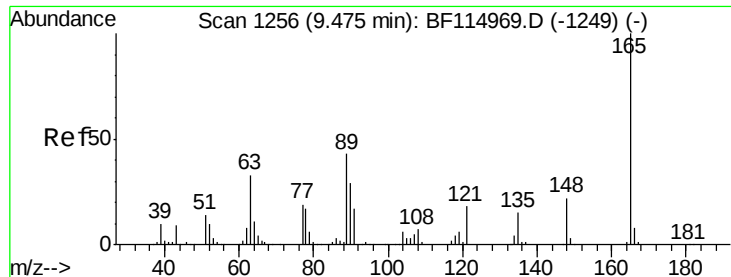
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.6 8.6 12.8





#51

2,6-Dinitrotoluene

Concen: 7.751 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

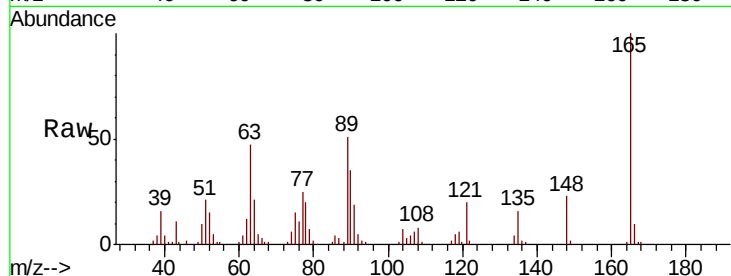
Tot Ion:165 Resp: 74155

Ion Ratio Lower Upper

165 100

63 46.5 30.6 46.0#

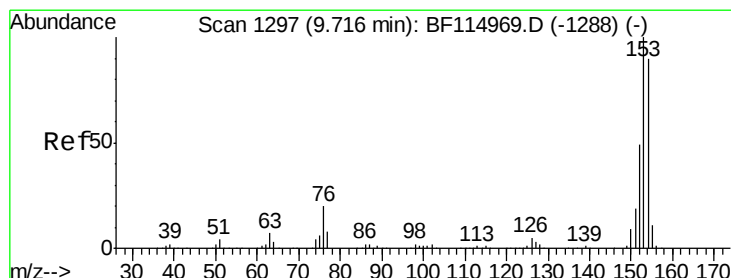
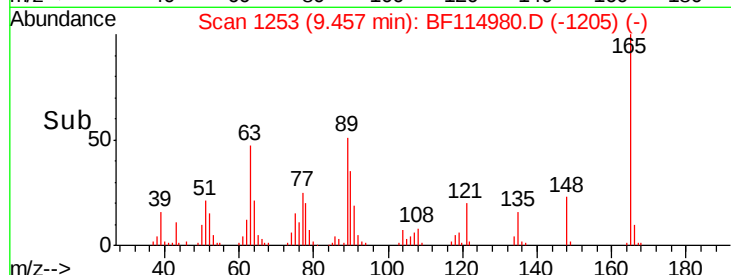
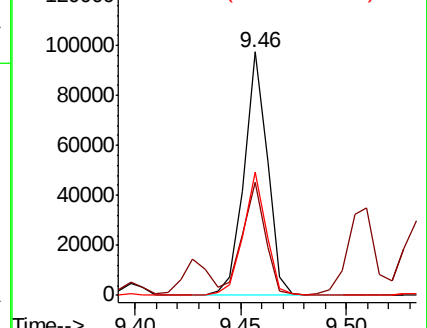
89 50.6 34.4 51.6



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



#52

Acenaphthene

Concen: 8.620 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

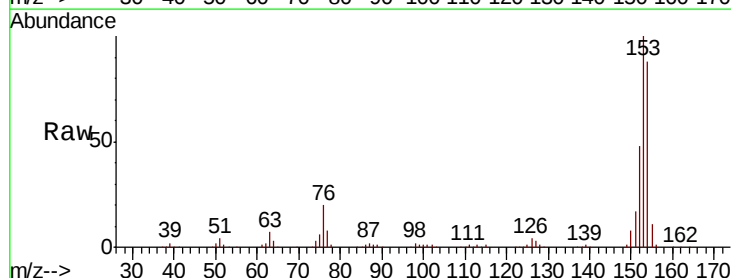
Tgt Ion:154 Resp: 275556

Ion Ratio Lower Upper

154 100

153 113.4 88.5 132.7

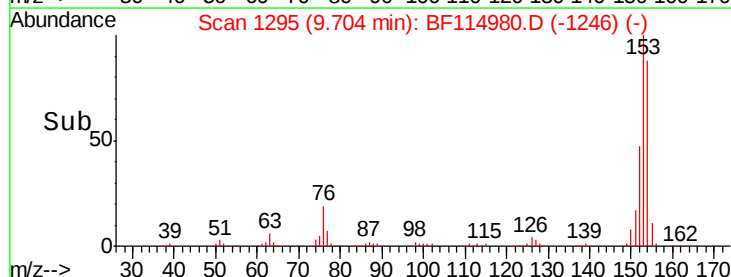
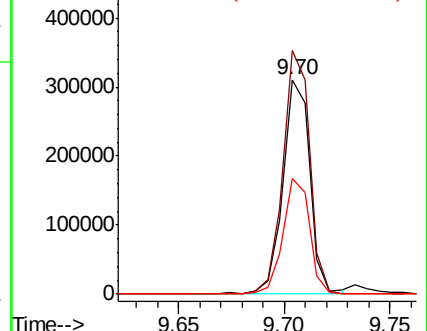
152 53.9 43.6 65.4

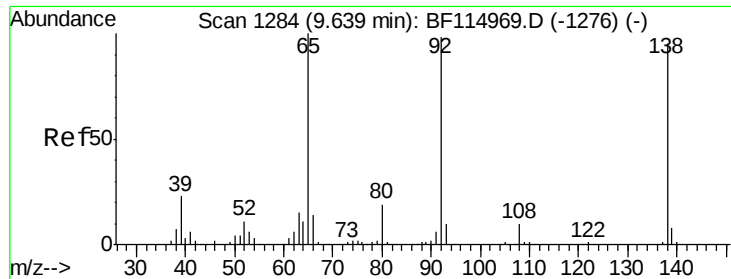


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

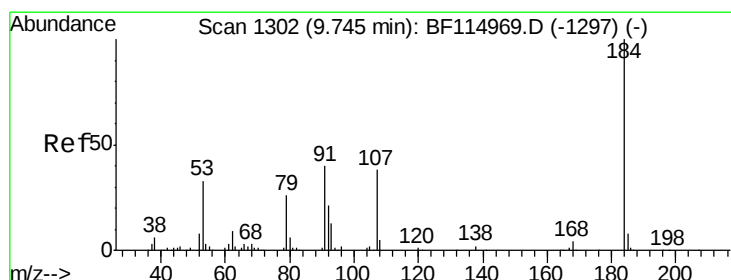
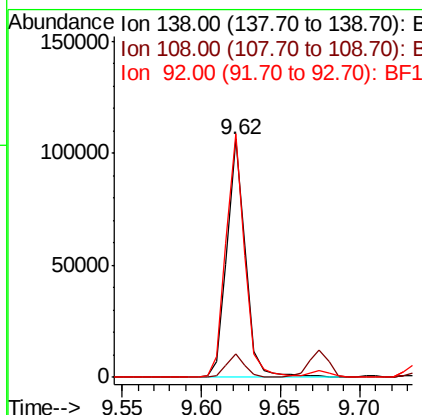
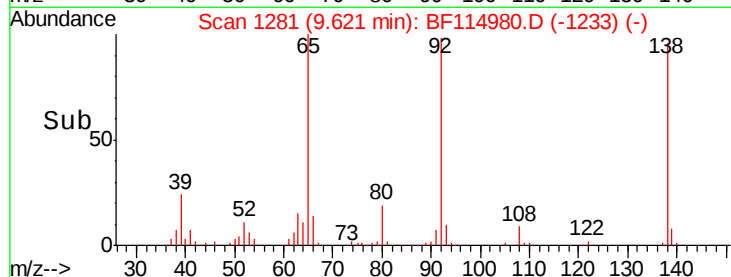
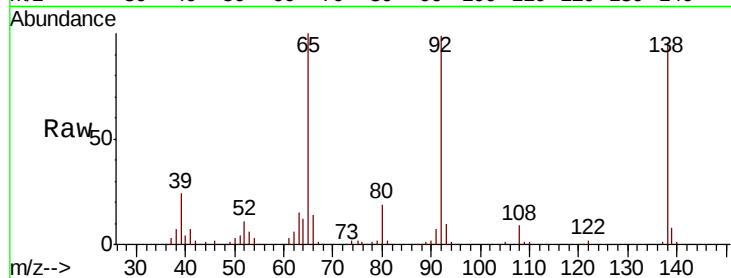




#53
 3-Nitroaniline
 Concen: 7.361 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: BF114980.D
 Acq: 12 Jun 2019 17:44

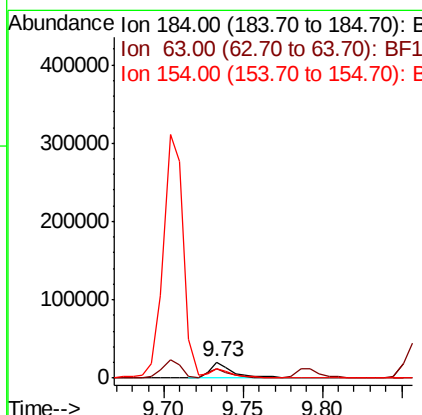
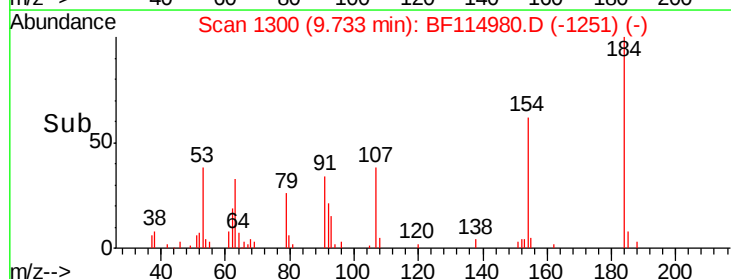
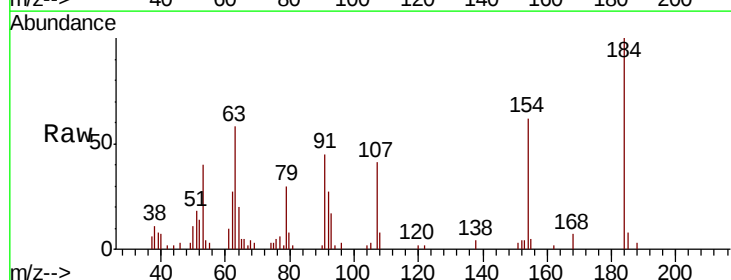
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

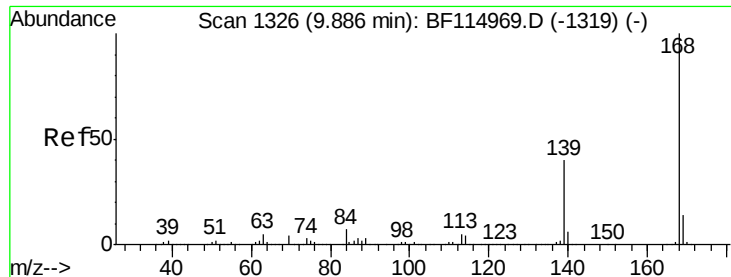
Tot Ion:138 Resp: 86288
 Ion Ratio Lower Upper
 138 100
 108 9.7 8.0 12.0
 92 102.3 82.4 123.6



#54
 2,4-Dinitrophenol
 Concen: 4.768 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF114980.D
 Acq: 12 Jun 2019 17:44

Tgt Ion:184 Resp: 22124
 Ion Ratio Lower Upper
 184 100
 63 57.7 40.5 60.7
 154 62.0 44.8 67.2

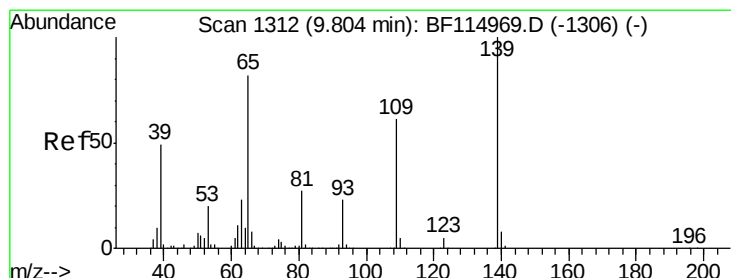
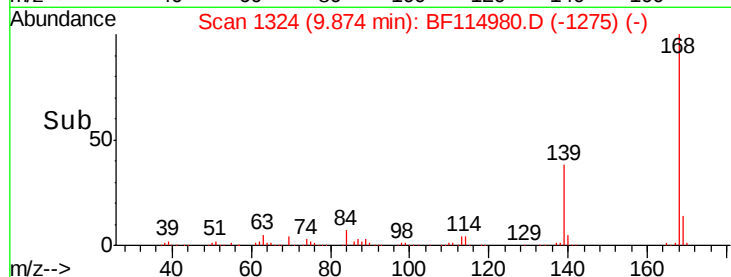
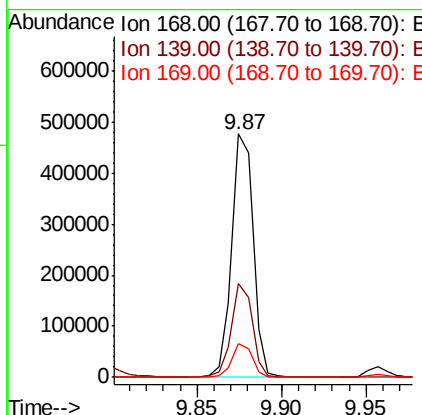
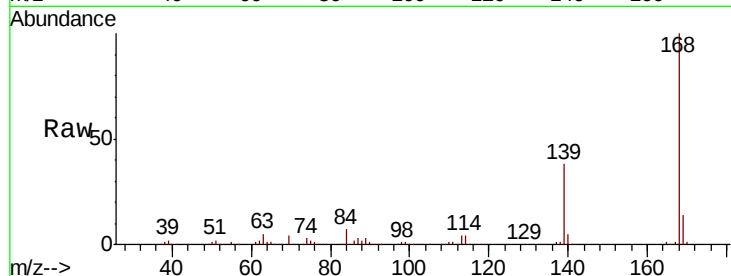




#55
Dibenzenofuran
Concen: 8.770 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

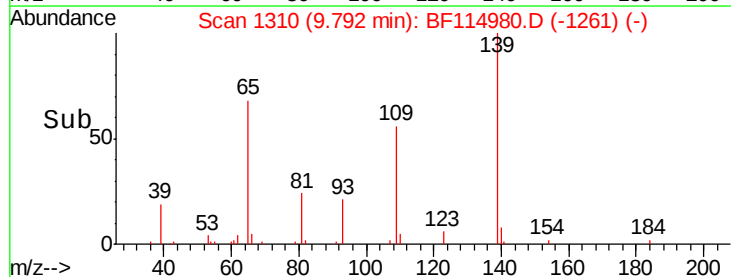
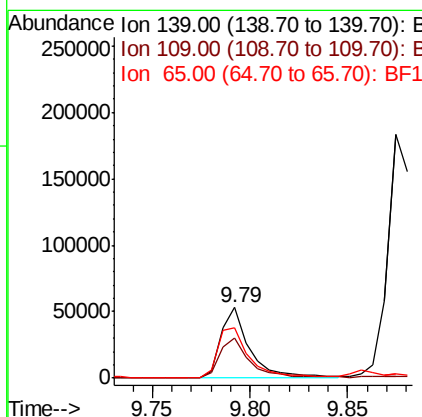
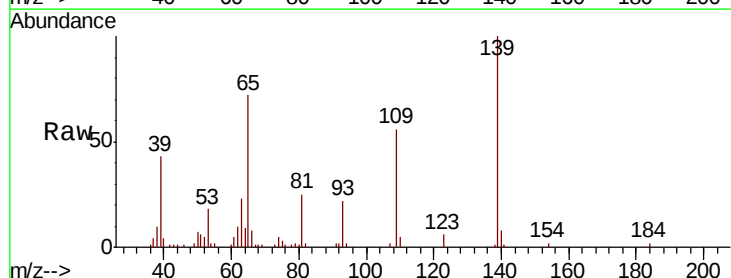
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

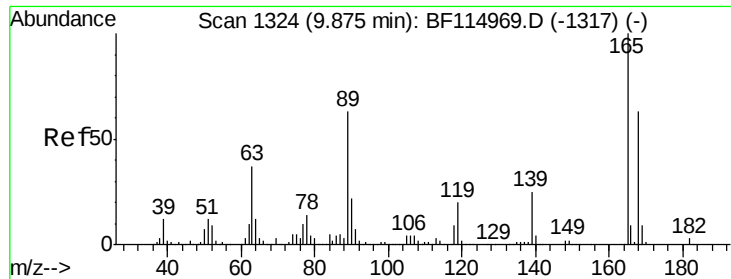
Tot Ion:168 Resp: 422520
Ion Ratio Lower Upper
168 100
139 38.5 32.5 48.7
169 13.6 11.5 17.3



#56
4-Nitrophenol
Concen: 6.791 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion:139 Resp: 54891
Ion Ratio Lower Upper
139 100
109 56.0 41.4 81.4
65 72.1 62.7 102.7

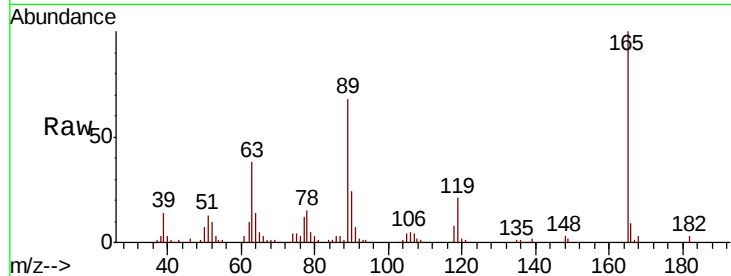




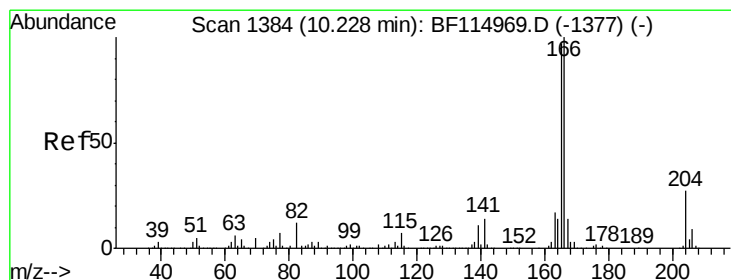
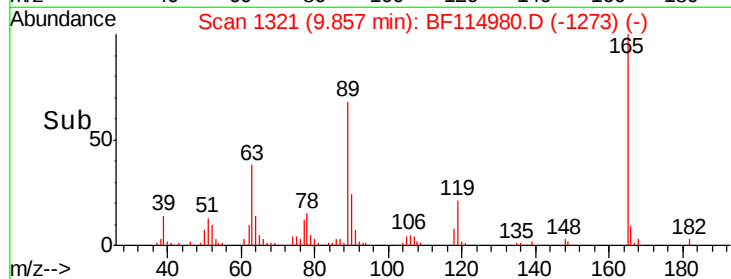
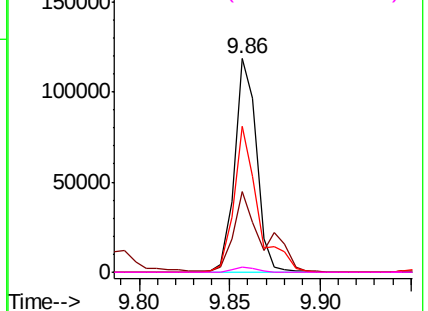
#57
2,4-Dinitrotoluene
Concen: 8.172 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.02 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:165	Resp:	99511
Ion Ratio	Lower	Upper
165	100	
63	37.7	29.4 44.2
89	68.4	50.6 75.8
182	2.6	2.2 3.2

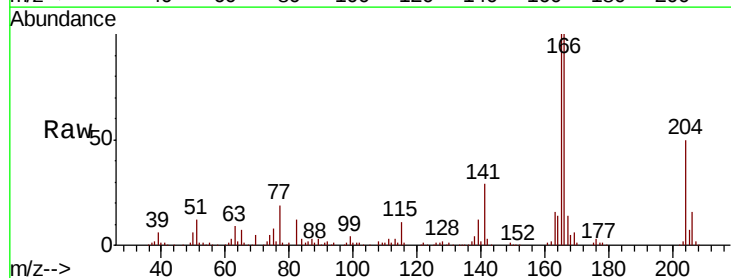


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

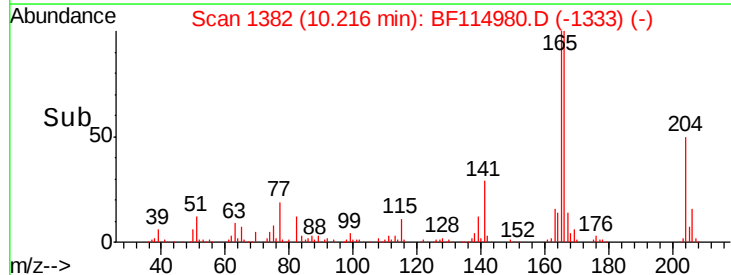
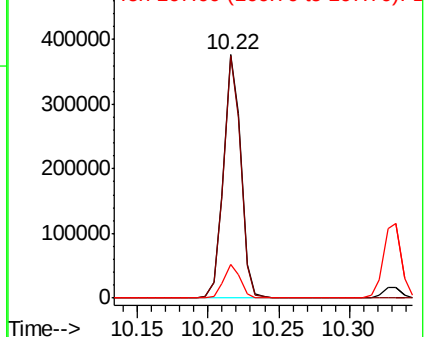


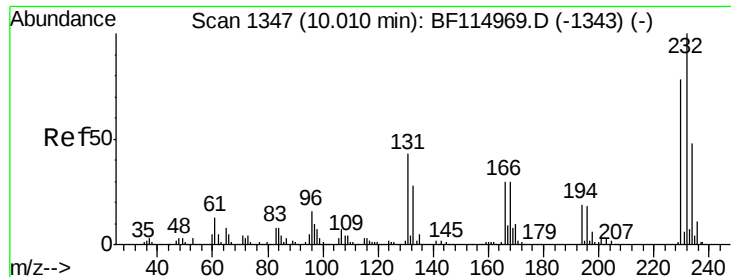
#58
Fluorene
Concen: 9.144 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion:166	Resp:	322199
Ion Ratio	Lower	Upper
166	100	
165	99.5	77.6 116.4
167	13.8	11.0 16.4



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

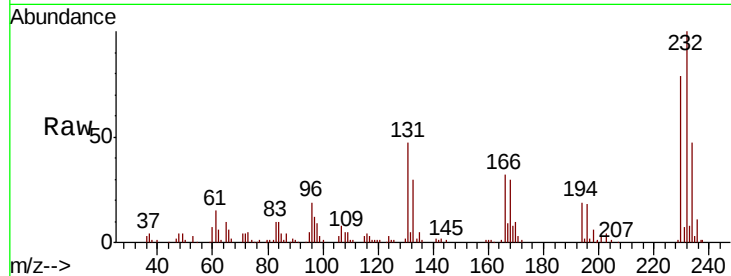




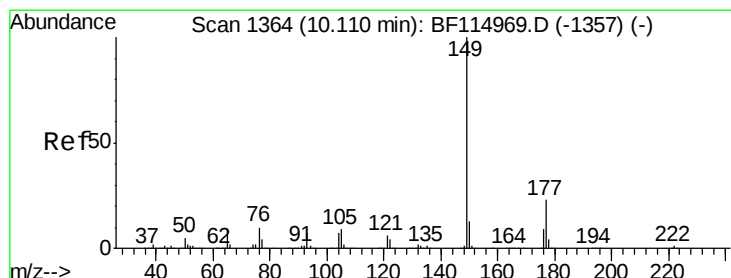
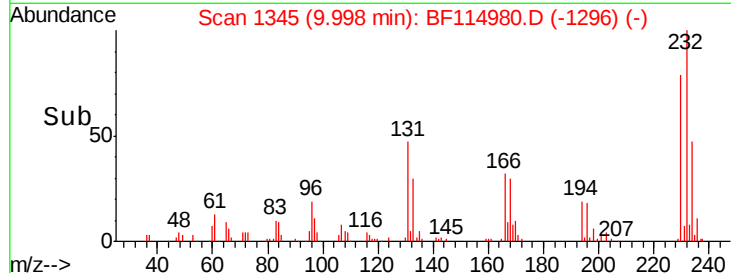
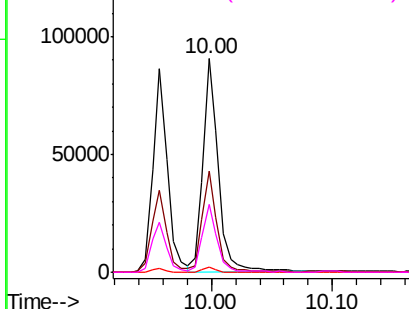
#59
2,3,4,6-Tetrachlorophenol
Concen: 7.957 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:232 Resp: 80386
Ion Ratio Lower Upper
232 100
131 45.8 36.9 55.3
130 1.8 1.8 2.6
166 30.8 24.8 37.2

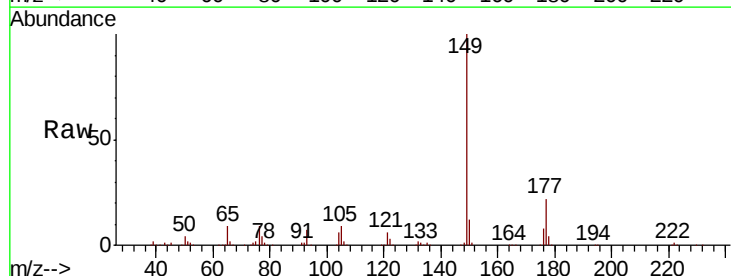


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

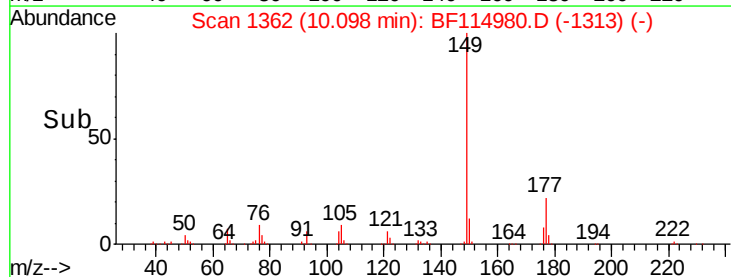
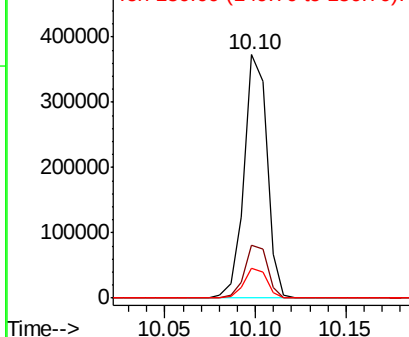


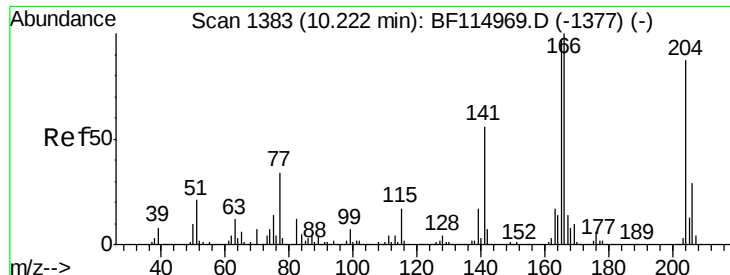
#60
Diethylphthalate
Concen: 8.150 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion:149 Resp: 328674
Ion Ratio Lower Upper
149 100
177 21.6 18.6 27.8
150 12.3 10.5 15.7



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

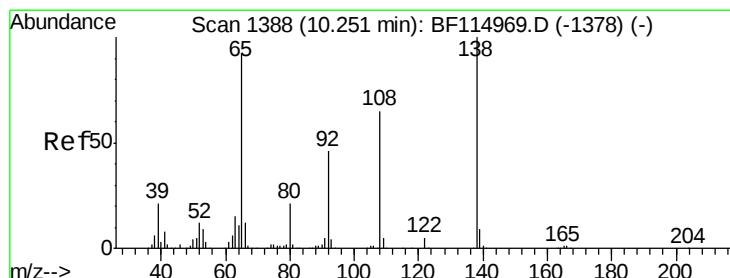
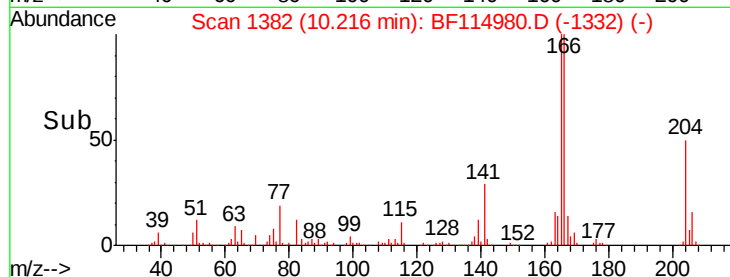
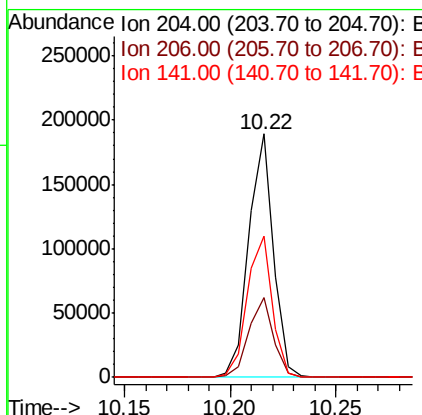
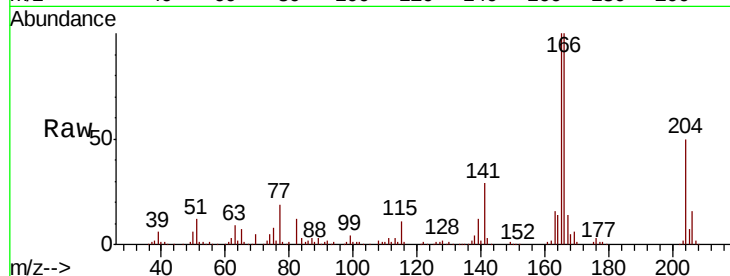




#61
4-Chlorophenyl-phenylether
Concen: 8.843 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

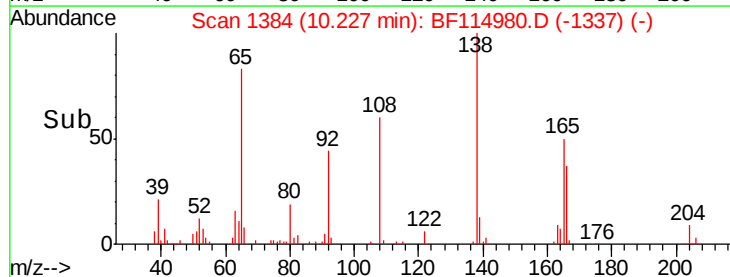
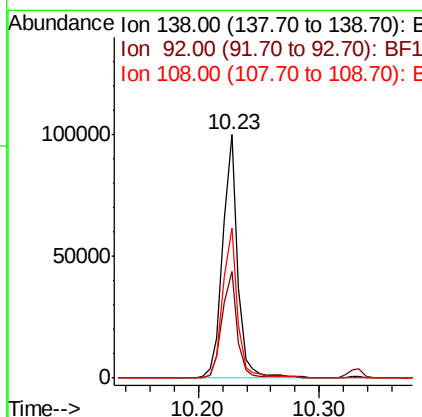
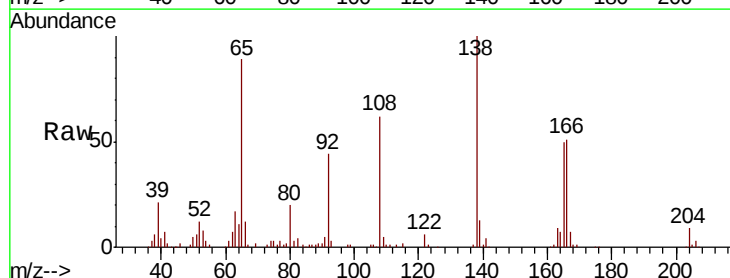
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

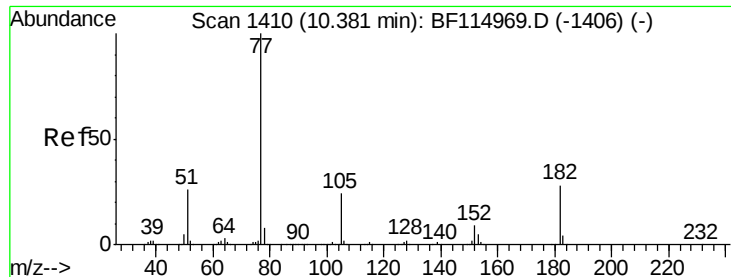
Tot Ion:204 Resp: 153804
Ion Ratio Lower Upper
204 100
206 32.7 26.5 39.7
141 57.8 51.8 77.8



#62
4-Nitroaniline
Concen: 7.252 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.02 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion:138 Resp: 85462
Ion Ratio Lower Upper
138 100
92 43.9 25.7 65.7
108 61.7 44.6 84.6

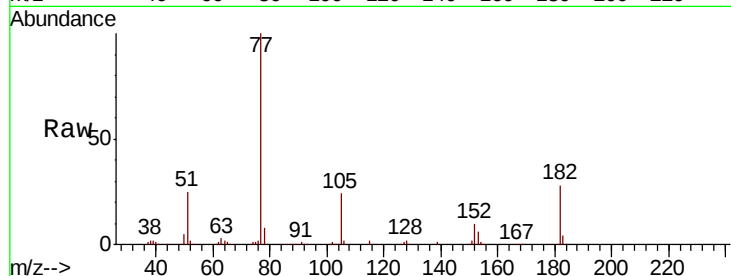




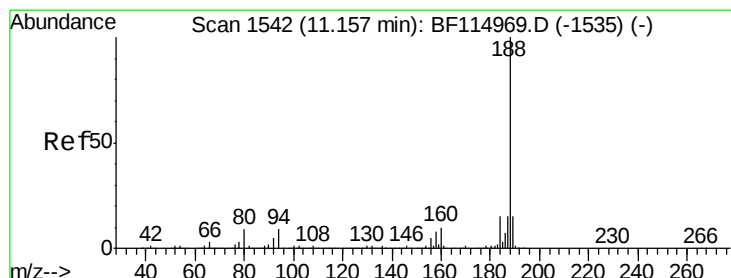
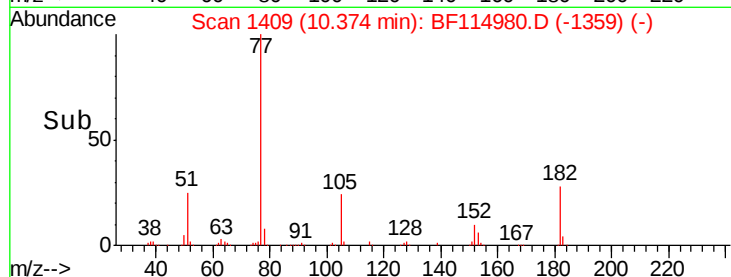
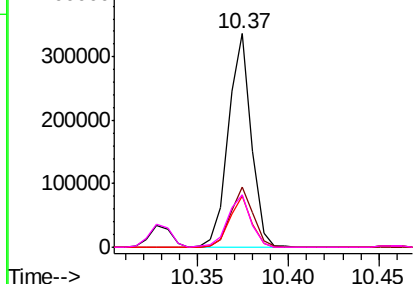
#63
Azobenzene
Concen: 8.358 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	77	Resp:	294858
Ion	Ratio	Lower	Upper
77	100		
182	28.1	7.4	47.4
105	23.9	4.2	44.2
51	24.5	6.2	46.2

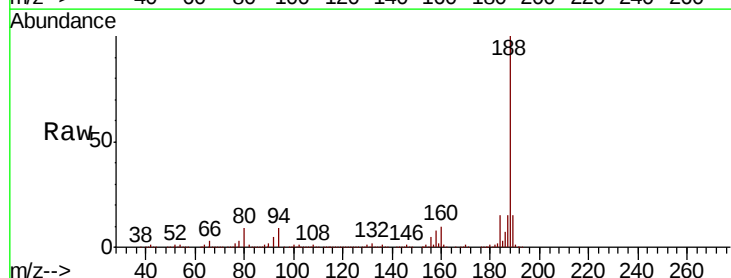


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

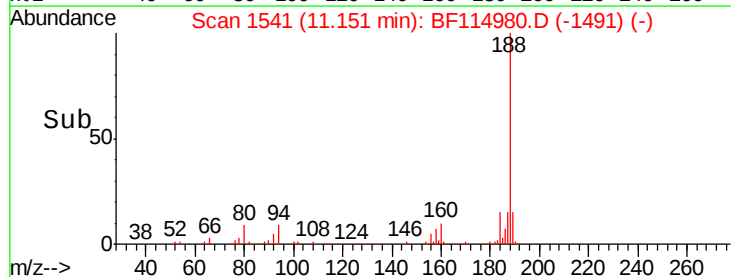
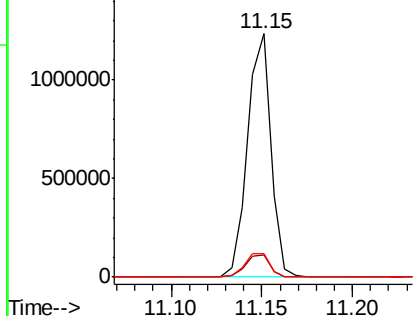


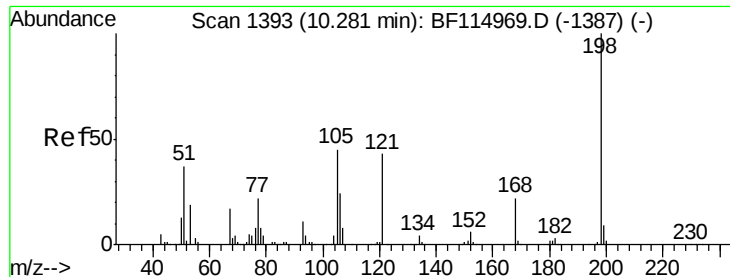
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion:	188	Resp:	1109432
Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	9.5	7.4	11.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

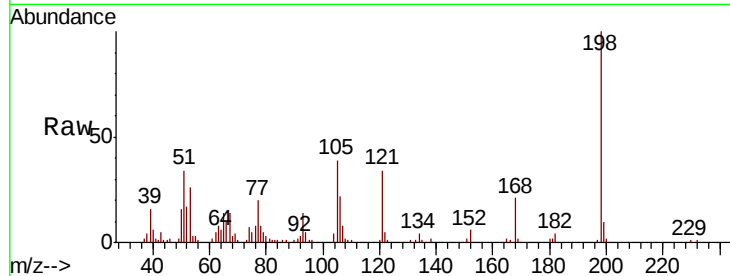




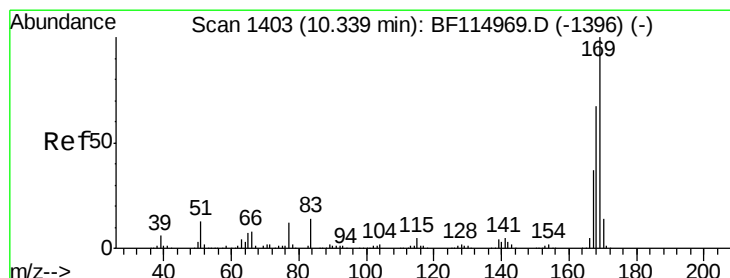
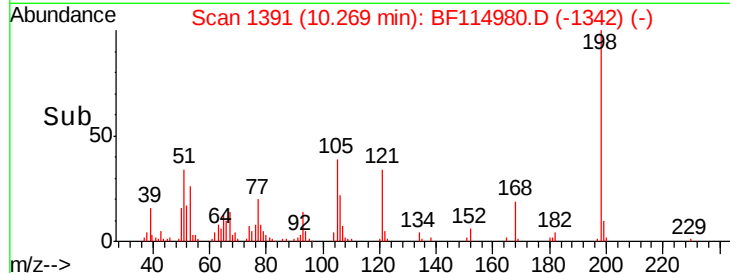
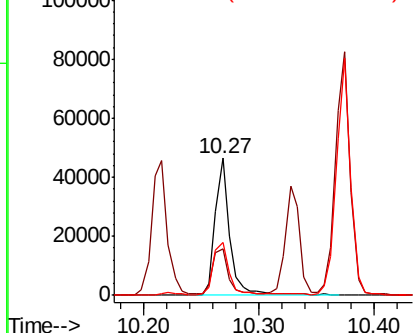
#65
4,6-Dinitro-2-methylphenol
Concen: 6.568 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:198 Resp: 40838
Ion Ratio Lower Upper
198 100
51 34.2 23.0 63.0
105 38.7 26.5 66.5

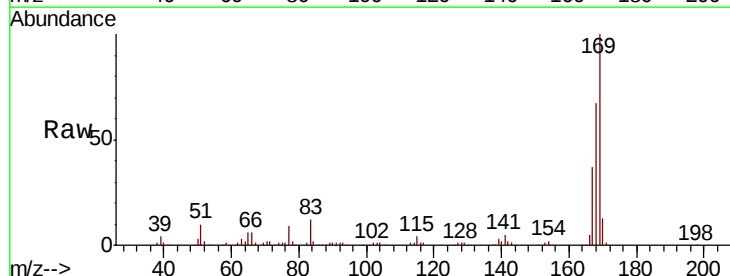


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

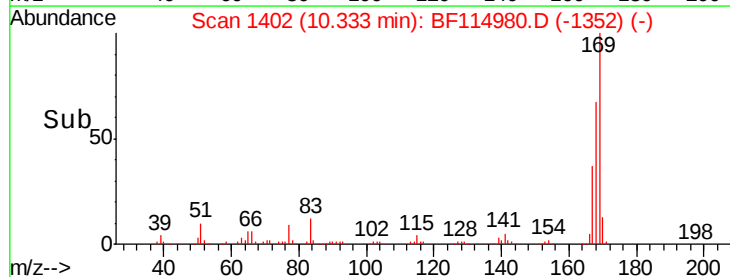
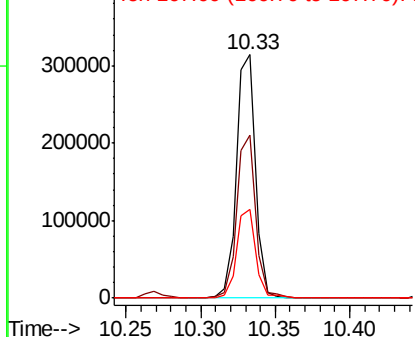


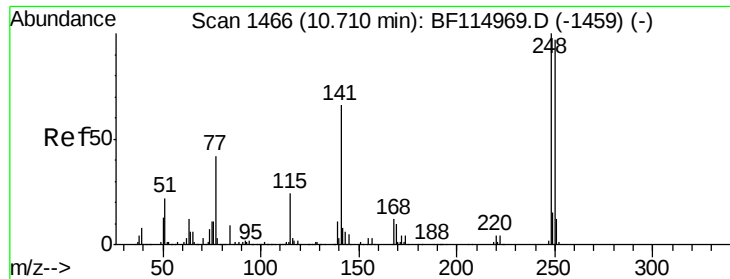
#66
n-Nitrosodiphenylamine
Concen: 8.499 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion:169 Resp: 281849
Ion Ratio Lower Upper
169 100
168 66.7 53.6 80.4
167 36.5 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

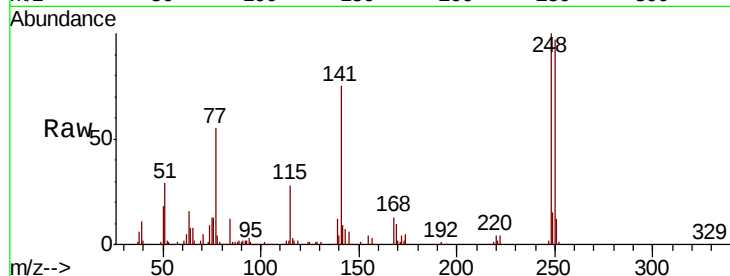




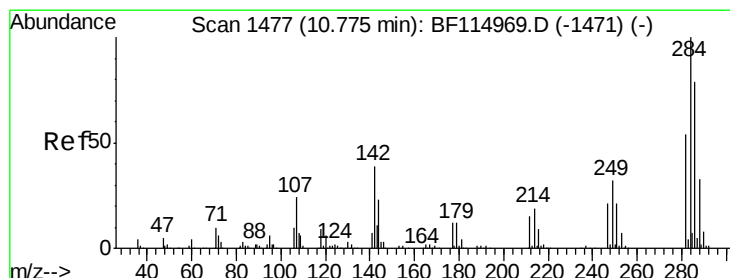
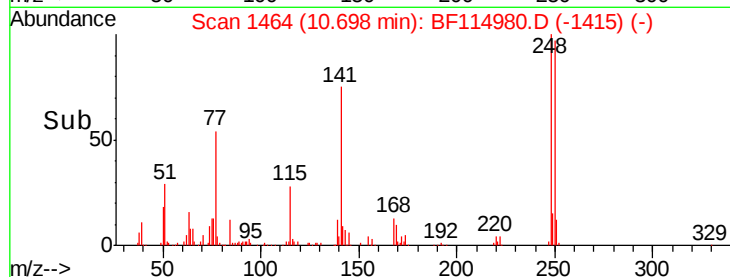
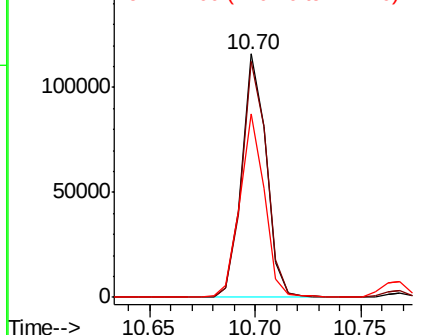
#67
4-Bromophenyl-phenylether
Concen: 7.804 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:248 Resp: 92959
Ion Ratio Lower Upper
248 100
250 96.9 77.8 116.8
141 75.1 53.1 79.7

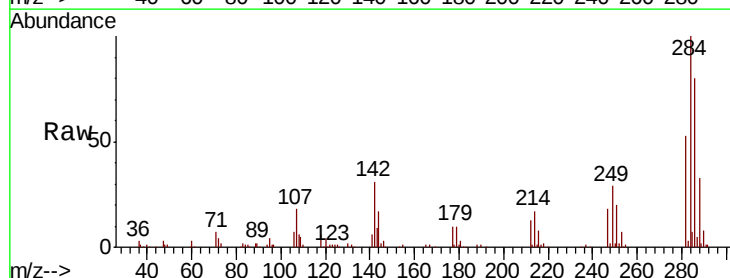


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

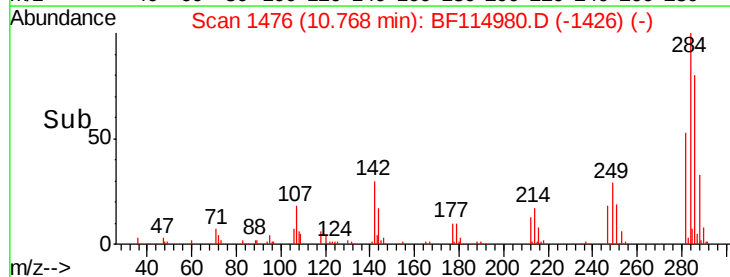
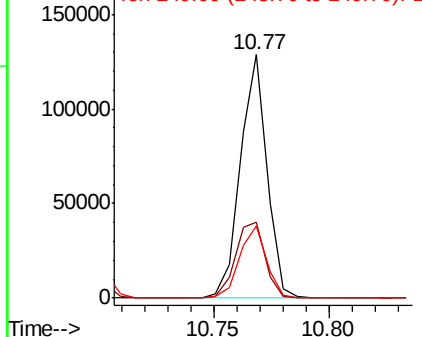


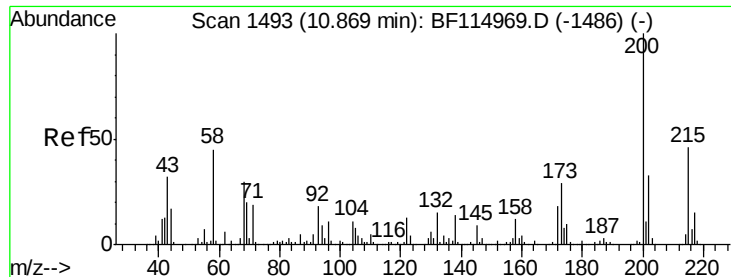
#68
Hexachlorobenzene
Concen: 7.869 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion:284 Resp: 103197
Ion Ratio Lower Upper
284 100
142 30.9 31.5 47.3#
249 29.4 25.6 38.4



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

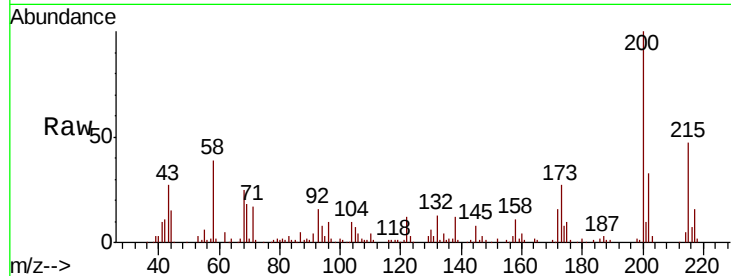




#69
Atrazine
Concen: 8.015 ng
RT: 10.86 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.8	9.0	49.0
215	46.7	26.5	66.5

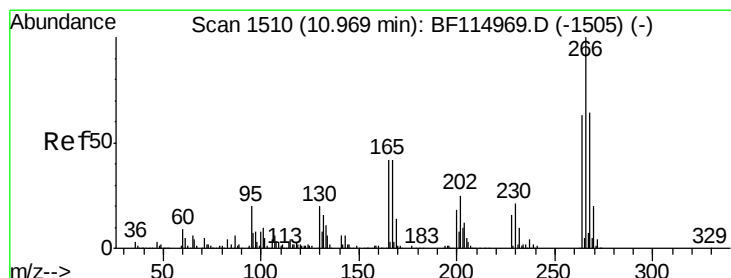
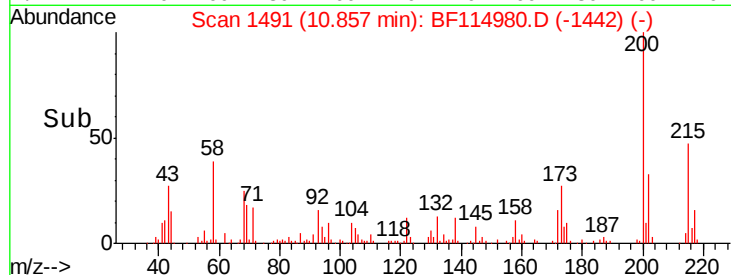
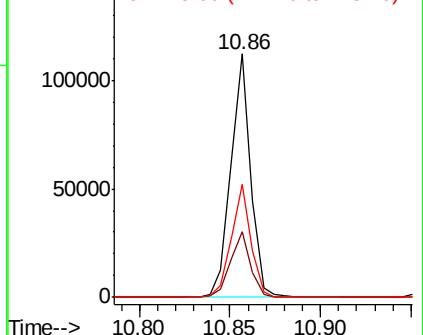


Abundance

Ion 200.00 (199.70 to 200.70): E

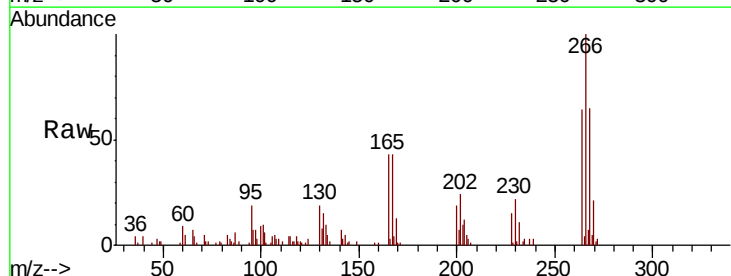
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 6.252 ng
RT: 10.96 min Scan# 1509
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.1	51.4	77.2
264	64.3	50.3	75.5

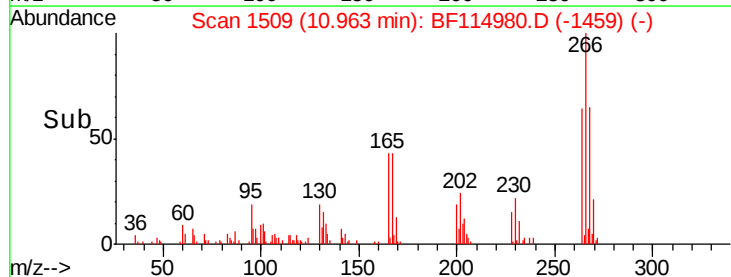
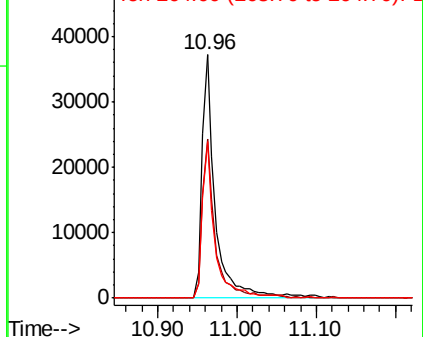


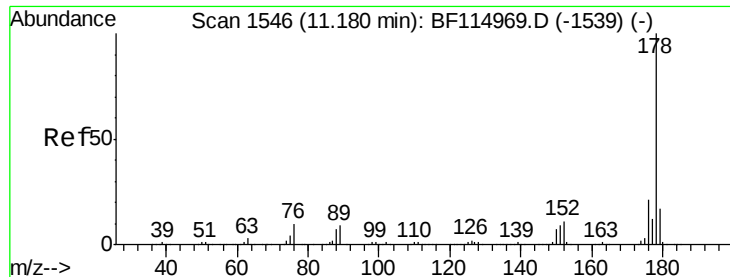
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

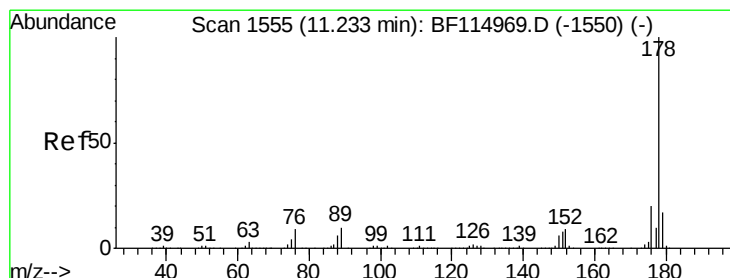
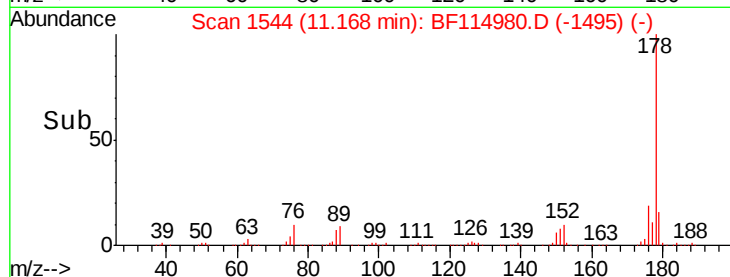
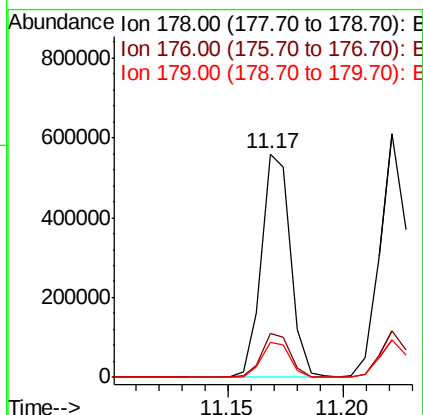
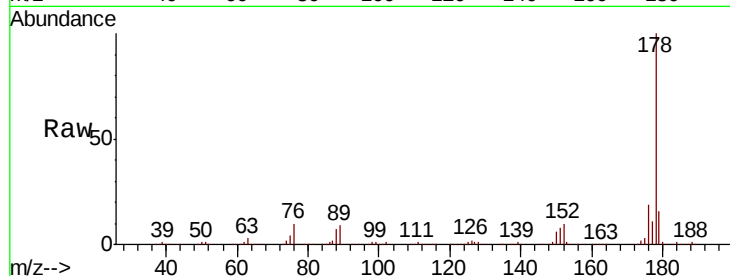




#71
Phenanthrene
Concen: 8.655 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

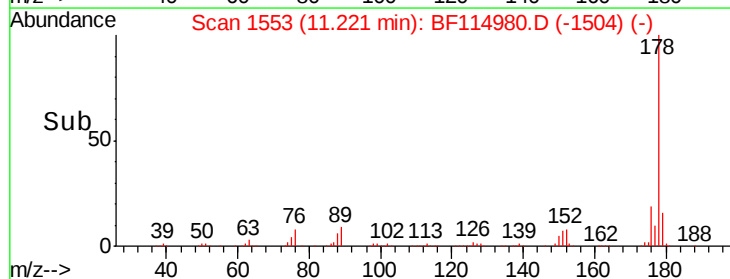
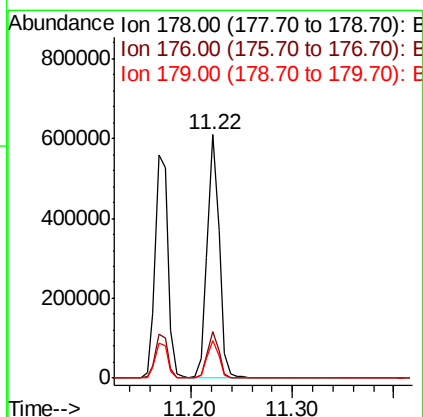
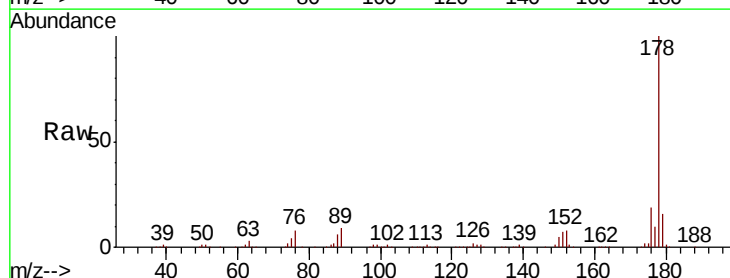
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

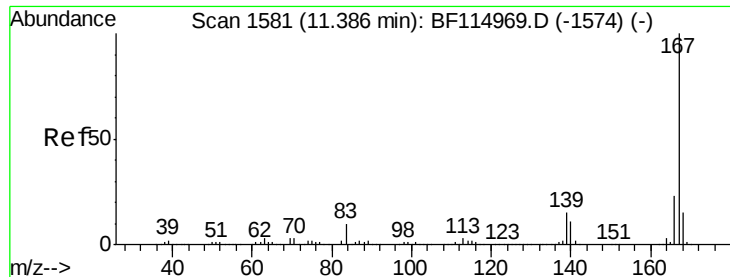
Tot Ion:178 Resp: 495800
Ion Ratio Lower Upper
178 100
176 19.5 16.9 25.3
179 15.7 13.4 20.0



#72
Anthracene
Concen: 8.698 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion:178 Resp: 502660
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.4
179 15.7 13.2 19.8

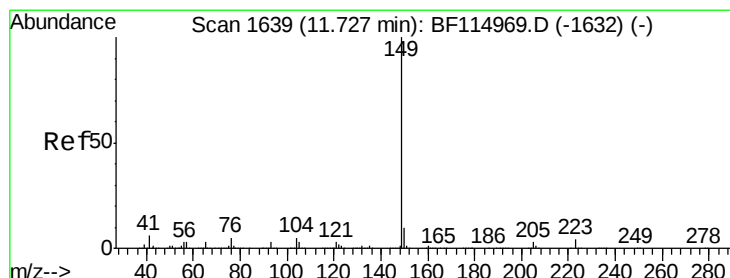
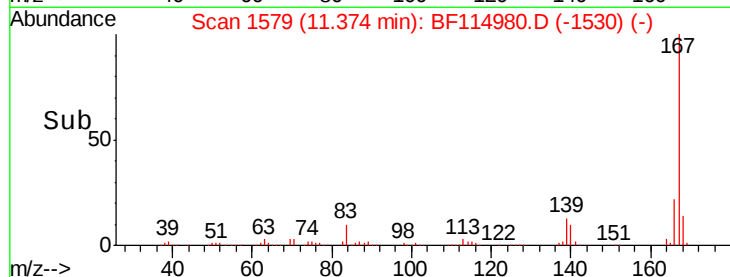
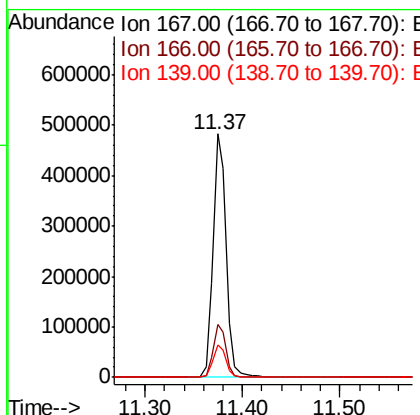
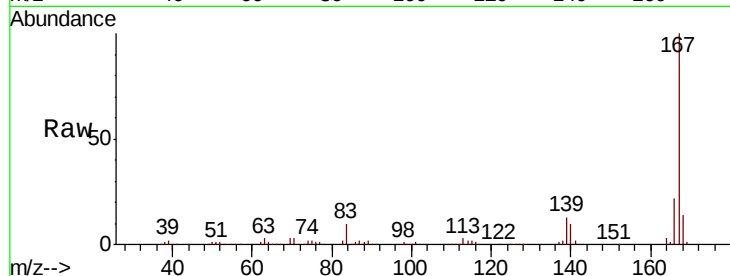




#73
 Carbazole
 Concen: 8.844 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF114980.D
 Acq: 12 Jun 2019 17:44

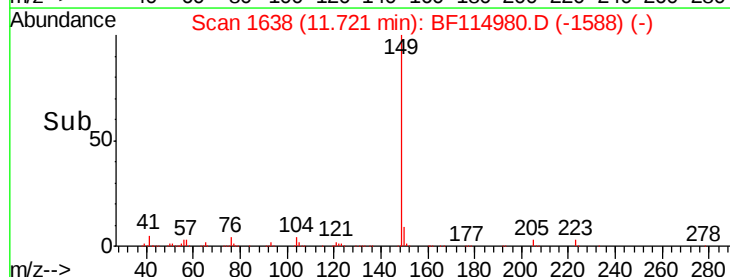
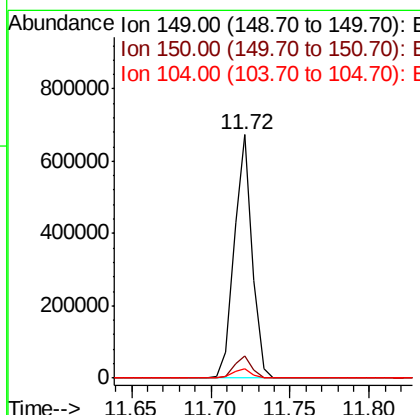
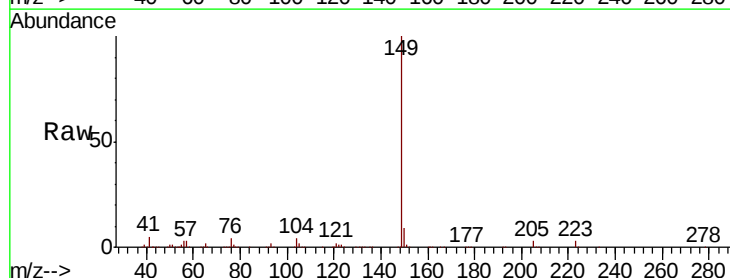
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

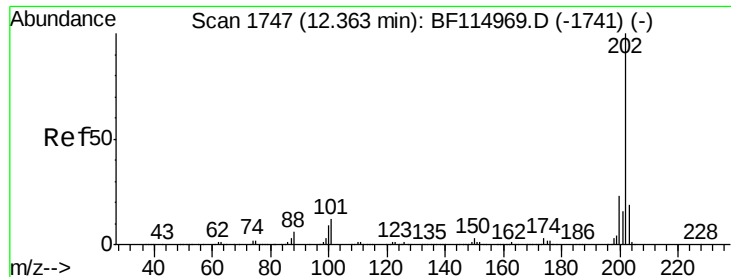
Tot Ion:167 Resp: 446103
 Ion Ratio Lower Upper
 167 100
 166 21.5 18.5 27.7
 139 13.5 12.0 18.0



#74
 Di-n-butylphthalate
 Concen: 8.233 ng
 RT: 11.72 min Scan# 1638
 Delta R.T. -0.01 min
 Lab File: BF114980.D
 Acq: 12 Jun 2019 17:44

Tgt Ion:149 Resp: 523489
 Ion Ratio Lower Upper
 149 100
 150 9.2 8.1 12.1
 104 4.1 4.0 6.0





#75

Fluoranthene

Concen: 8.713 ng

RT: 12.35 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

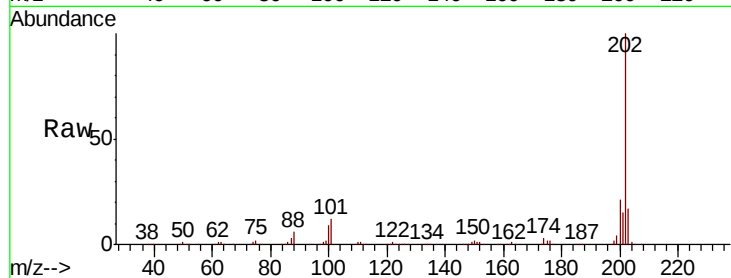
Tot Ion:202 Resp: 510331

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.4

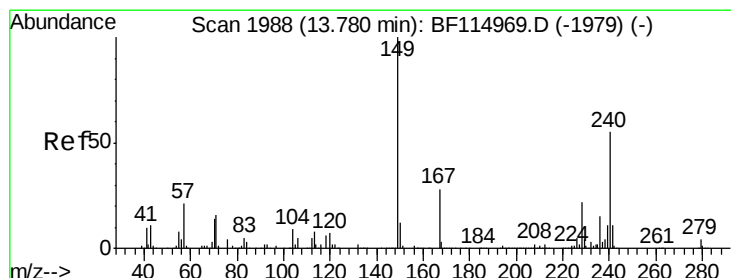
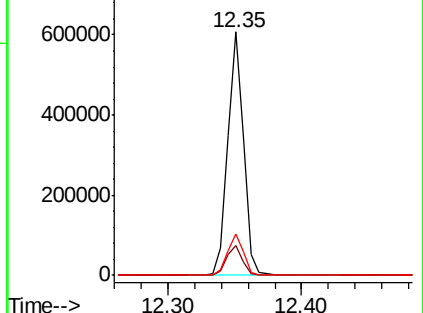
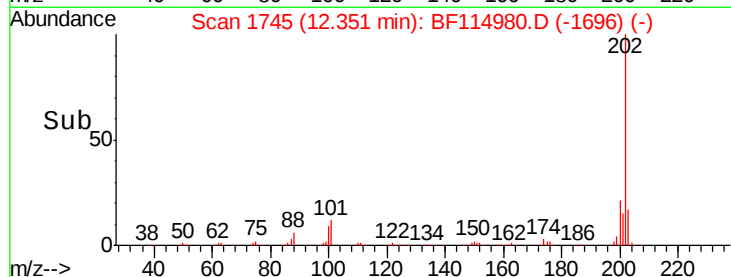
203 17.1 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

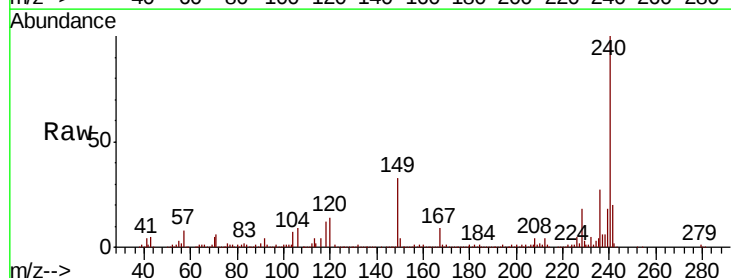
Tgt Ion:240 Resp: 812224

Ion Ratio Lower Upper

240 100

120 13.7 10.0 15.0

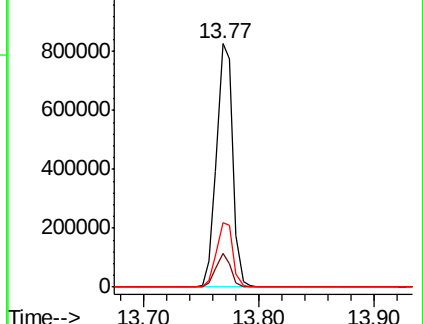
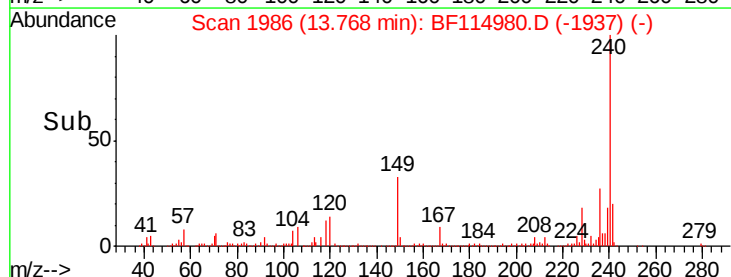
236 26.6 21.6 32.4

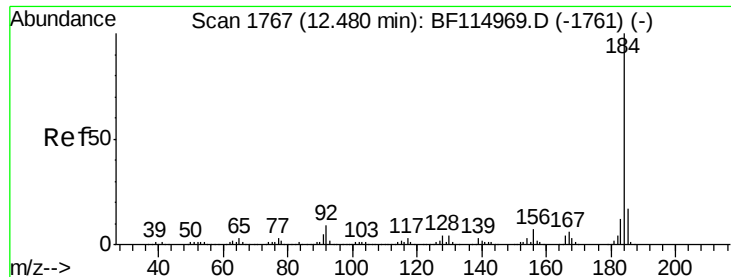


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 7.250 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

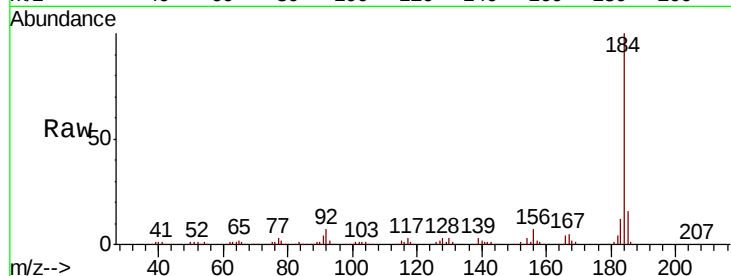
Tot Ion:184 Resp: 238185

Ion Ratio Lower Upper

184 100

185 15.9 13.4 20.0

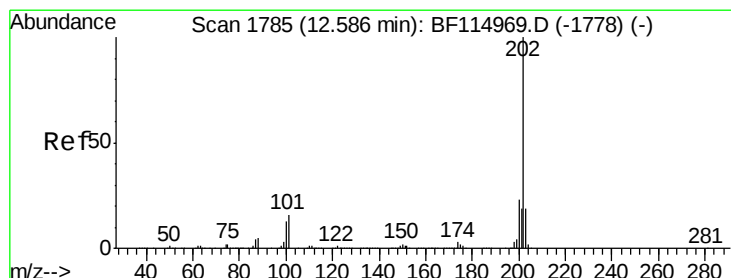
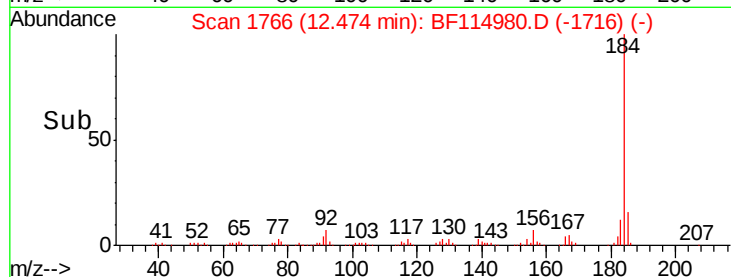
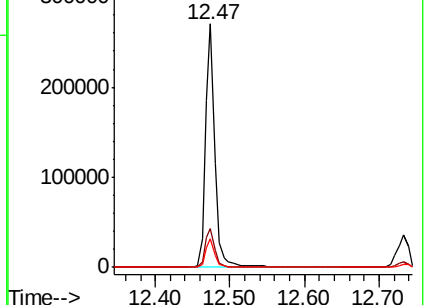
183 11.5 9.8 14.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 7.064 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

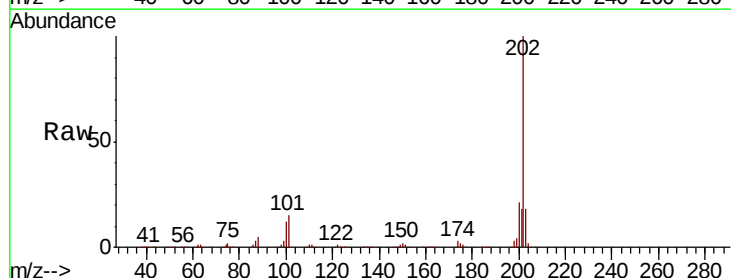
Tgt Ion:202 Resp: 522659

Ion Ratio Lower Upper

202 100

200 21.4 18.4 27.6

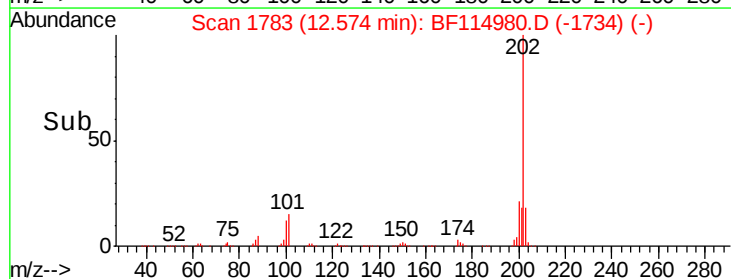
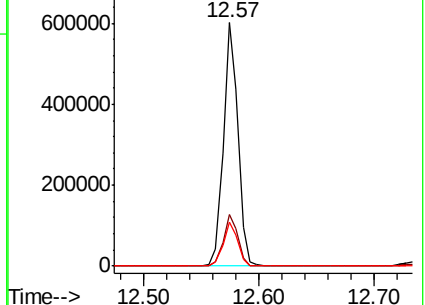
203 18.0 14.9 22.3

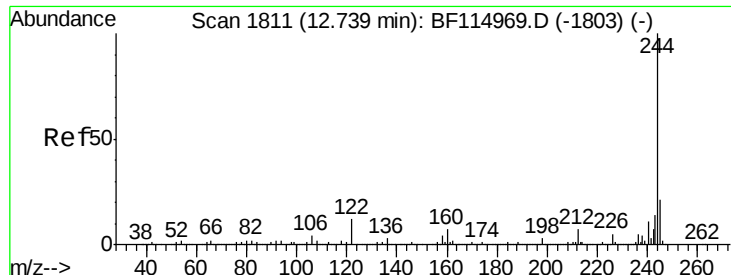


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

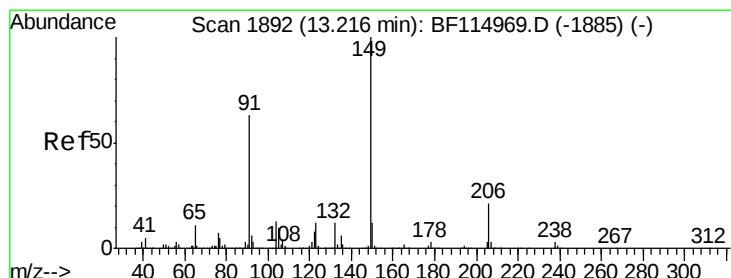
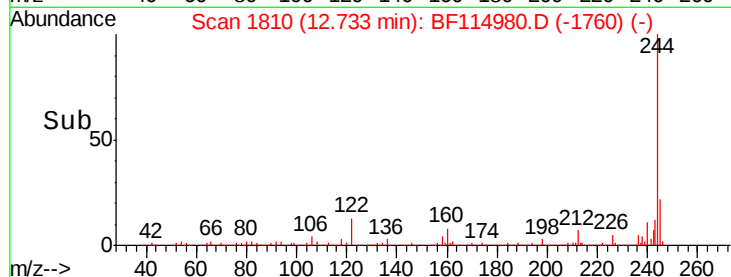
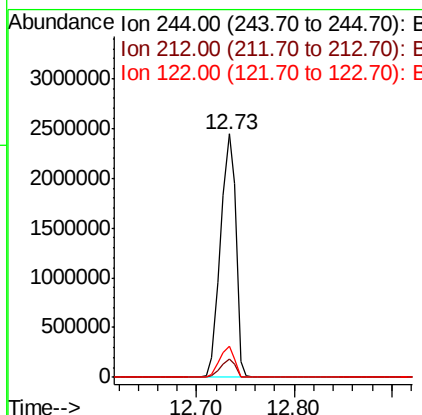
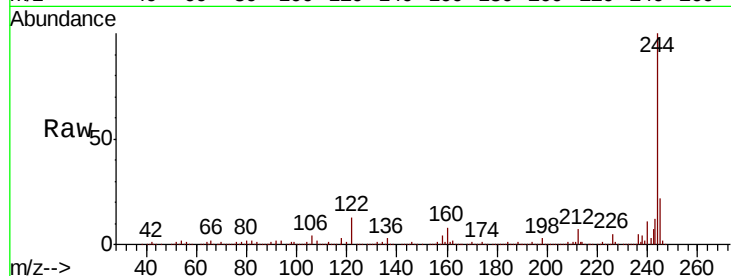




#79
 Terphenyl-d14
 Concen: 62.182 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: BF114980.D
 Acq: 12 Jun 2019 17:44

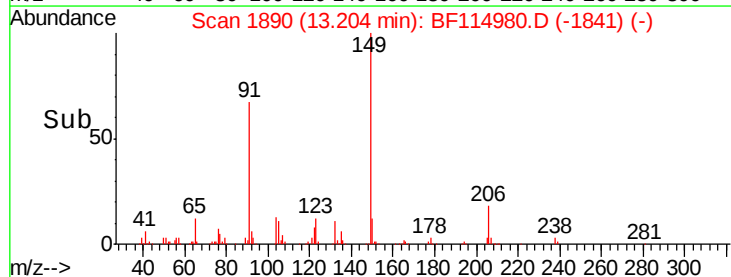
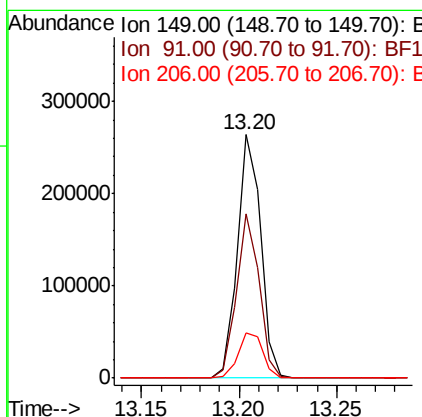
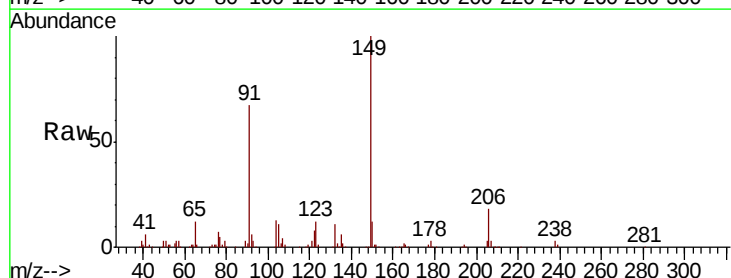
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

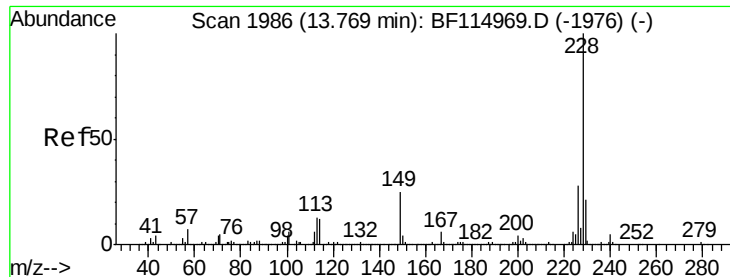
Tot Ion:244 Resp: 2685243
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 12.6 9.4 14.0



#80
 Butylbenzylphthalate
 Concen: 6.340 ng
 RT: 13.20 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: BF114980.D
 Acq: 12 Jun 2019 17:44

Tgt Ion:149 Resp: 219124
 Ion Ratio Lower Upper
 149 100
 91 67.3 50.6 76.0
 206 18.4 16.7 25.1





#81

Benzo(a)anthracene

Concen: 7.556 ng

RT: 13.76 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

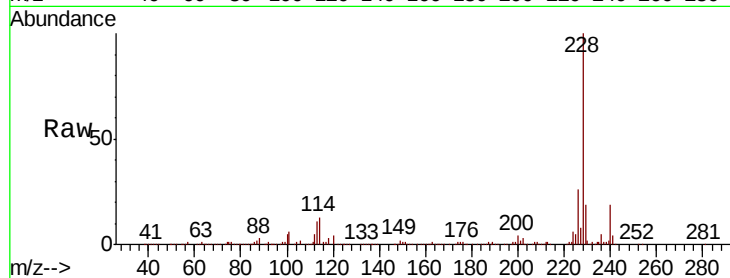
Tot Ion:228 Resp: 459229

Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.0	33.0
229	19.5	16.6	25.0

228 100

226 26.4 22.0 33.0

229 19.5 16.6 25.0

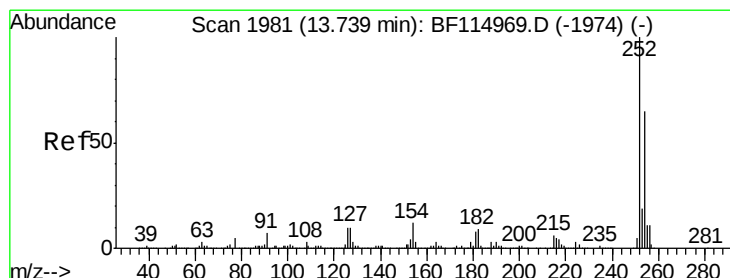
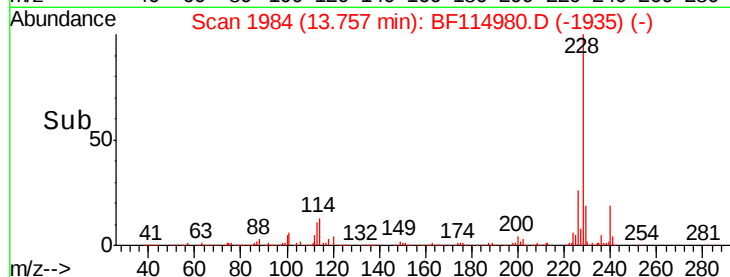
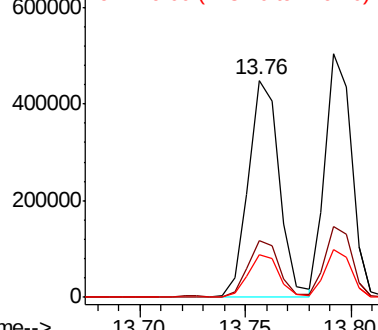


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 7.155 ng

RT: 13.73 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

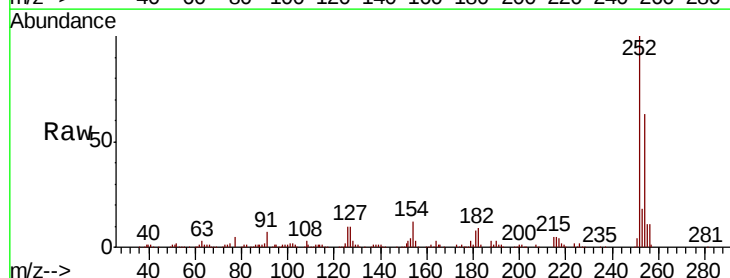
Tgt Ion:252 Resp: 166740

Ion	Ratio	Lower	Upper
252	100		
254	62.7	52.2	78.4
126	9.8	8.0	12.0

252 100

254 62.7 52.2 78.4

126 9.8 8.0 12.0

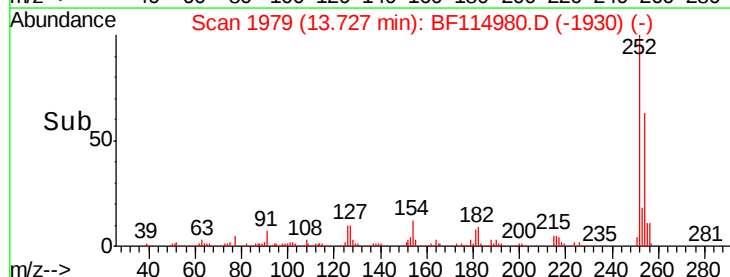
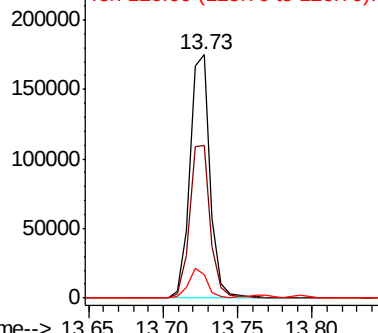


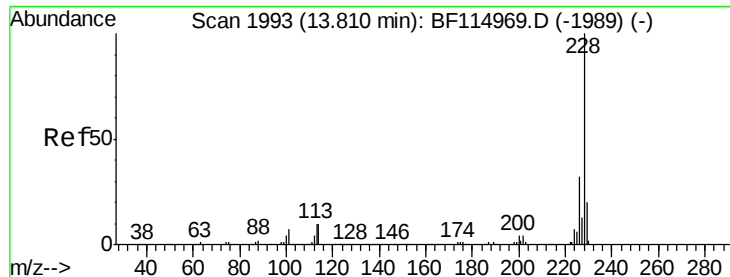
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 7.228 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.02 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

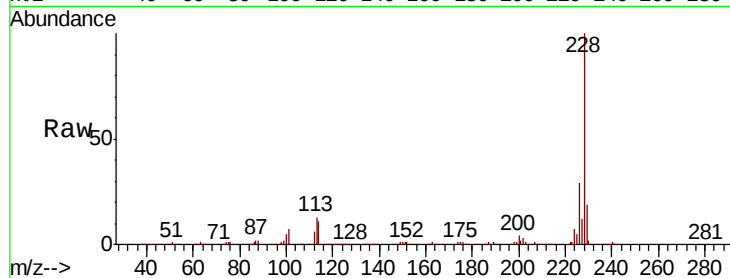
Tot Ion:228 Resp: 436847

Ion Ratio Lower Upper

228 100

226 28.9 25.4 38.0

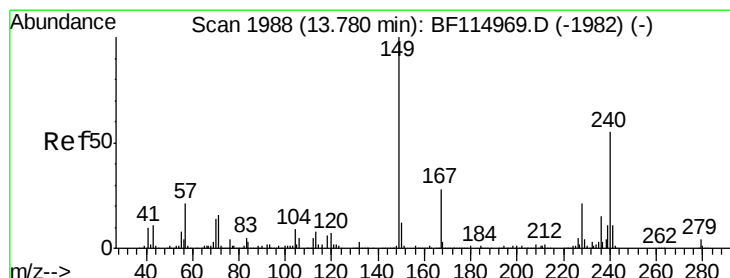
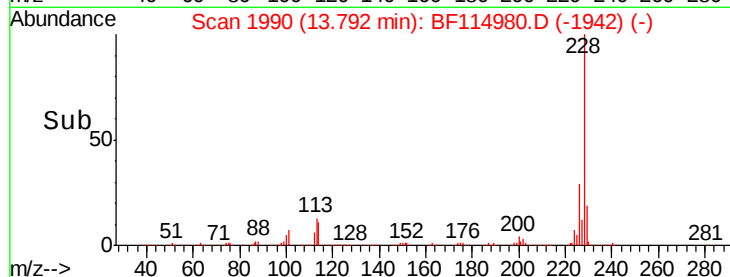
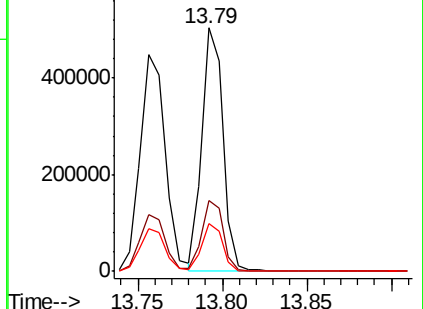
229 19.5 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.834 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

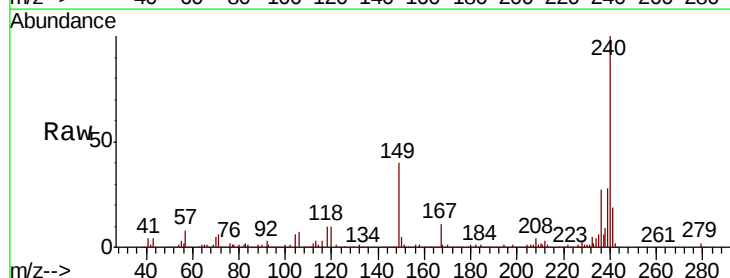
Tgt Ion:149 Resp: 279139

Ion Ratio Lower Upper

149 100

167 27.7 22.2 33.4

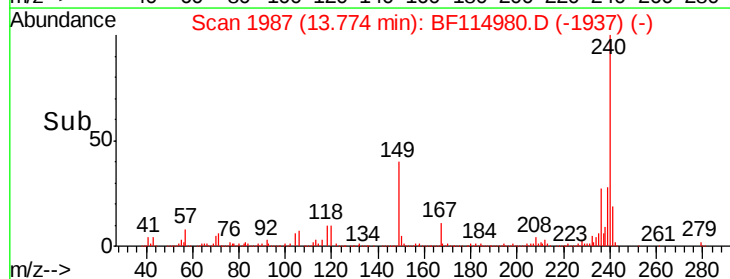
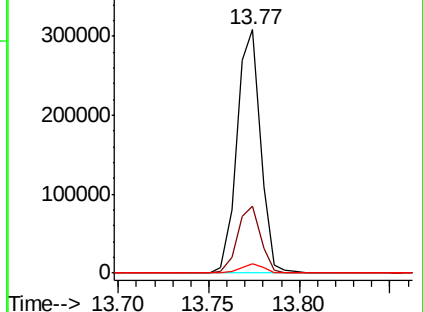
279 3.9 3.4 5.0

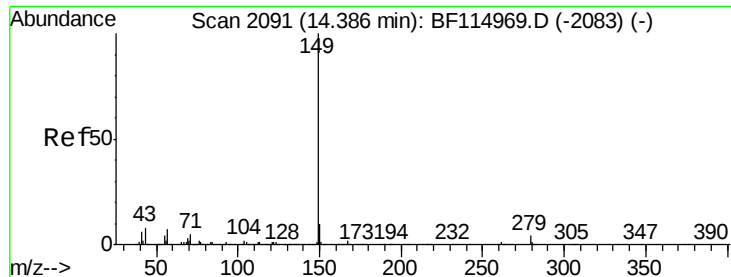


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

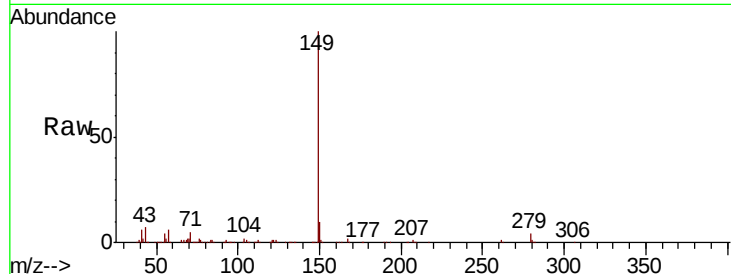




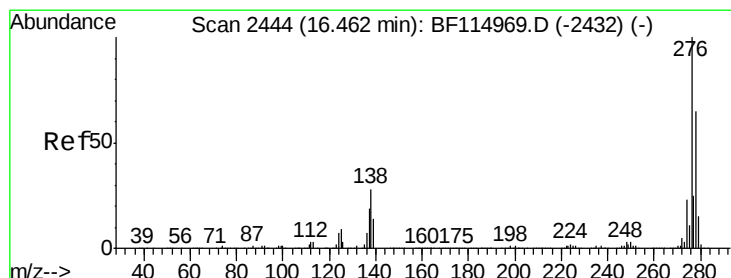
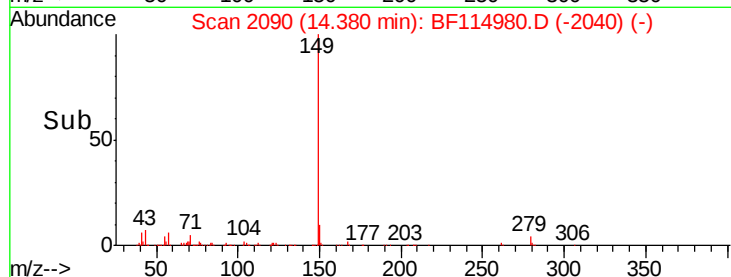
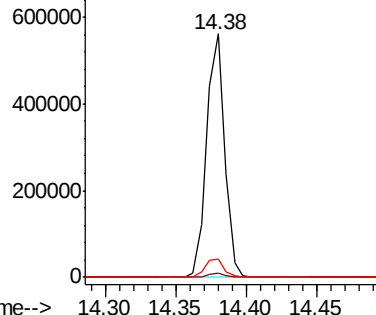
#85
Di-n-octyl phthalate
Concen: 7.110 ng
RT: 14.38 min Scan# 2090
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:149 Resp: 500074
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 7.8 6.5 9.7

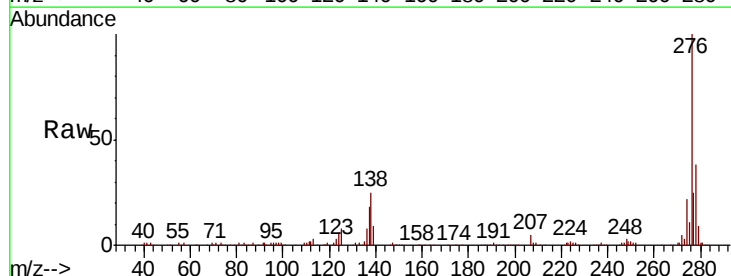


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

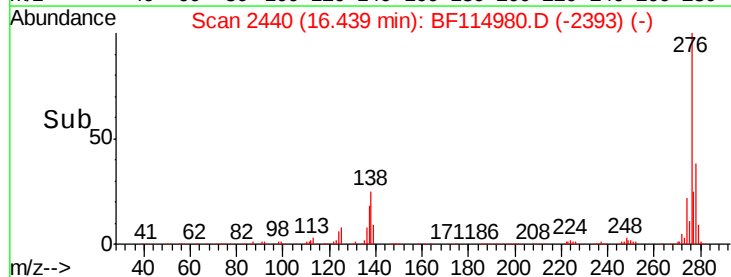
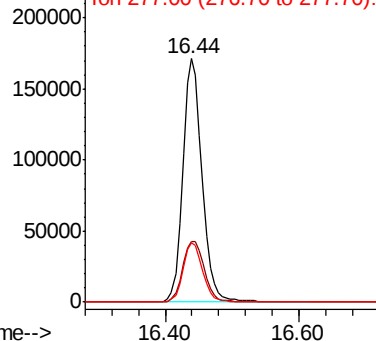


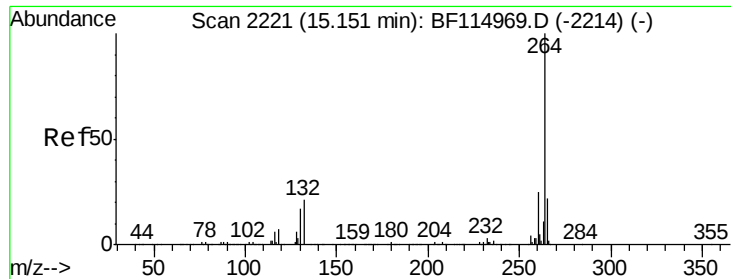
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.531 ng
RT: 16.44 min Scan# 2440
Delta R.T. -0.02 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion:276 Resp: 346726
Ion Ratio Lower Upper
276 100
138 28.2 23.0 34.4
277 25.1 20.6 30.8



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



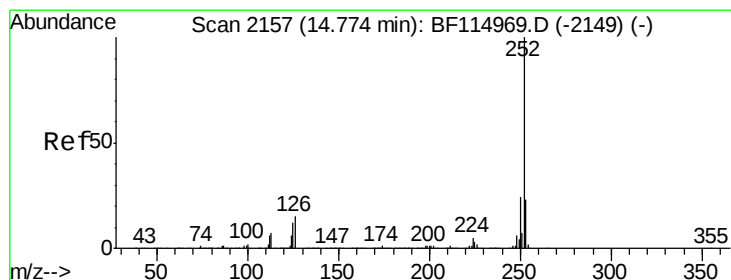
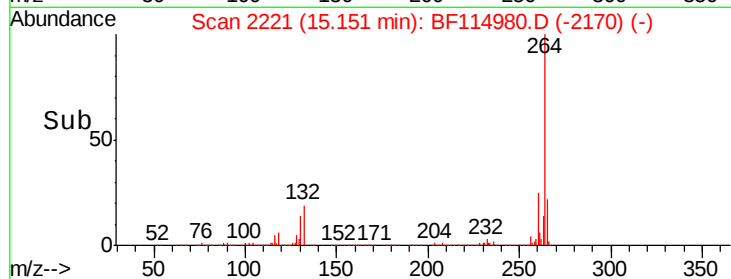
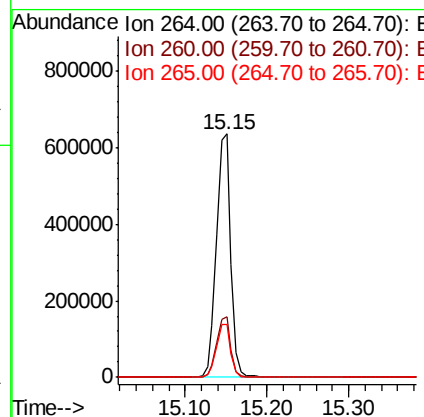
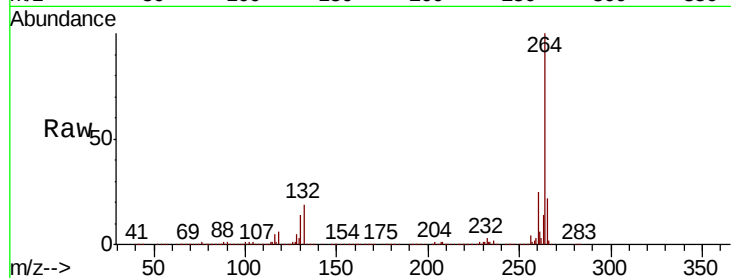


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:264 Resp: 774755

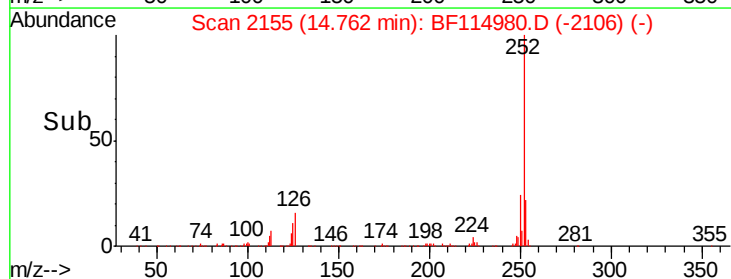
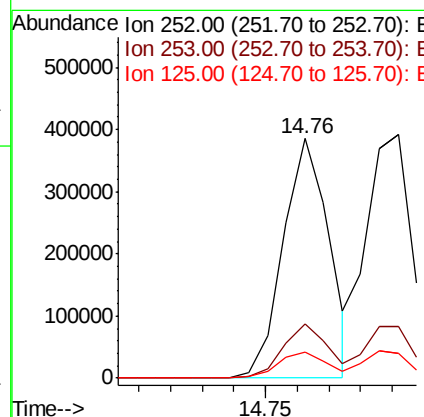
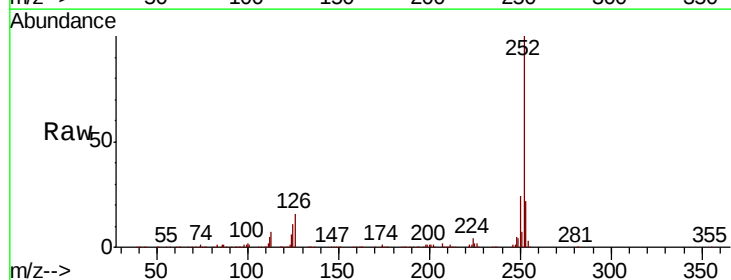
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.9	29.9
265	21.6	17.6	26.4

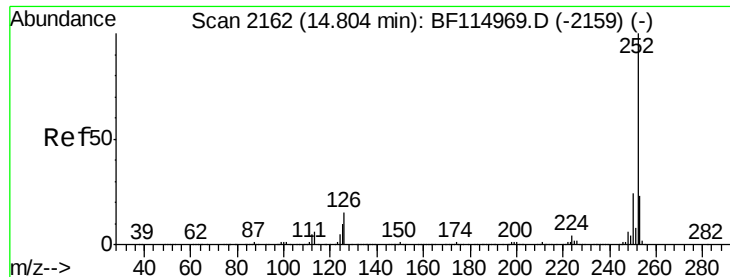


#88
Benzo(b)fluoranthene
Concen: 7.563 ng
RT: 14.76 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion:252 Resp: 389542

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	11.1	9.4	14.0

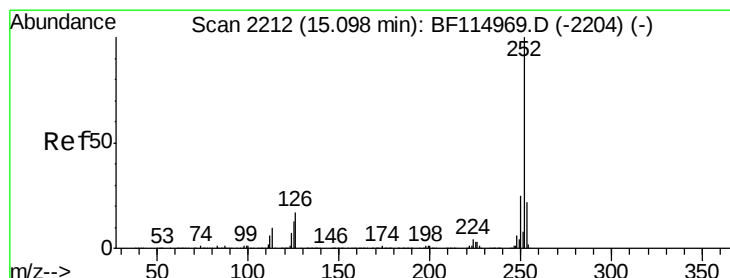
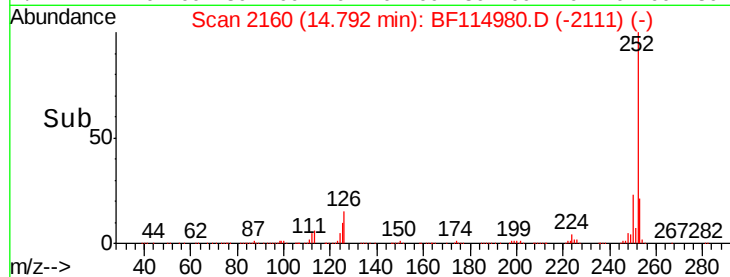
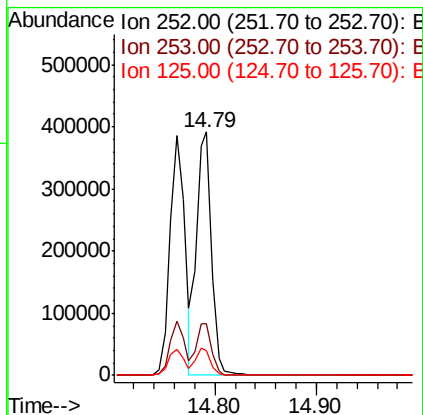
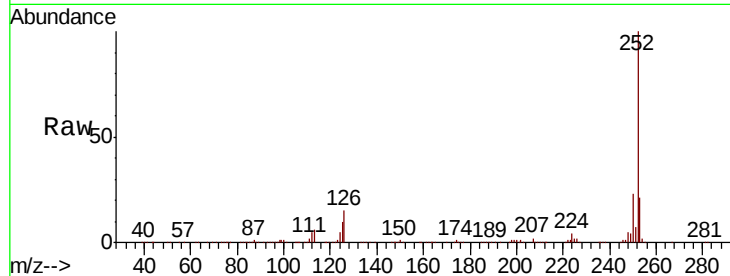




#89
Benzo(k)fluoranthene
Concen: 8.876 ng
RT: 14.79 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

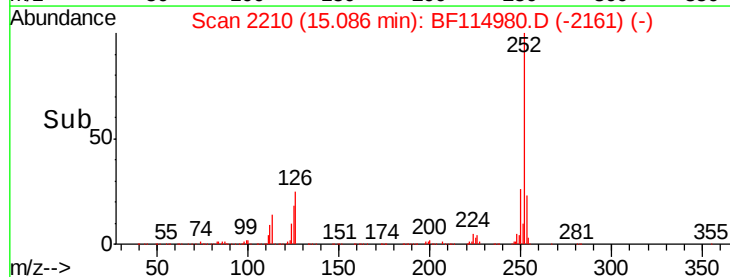
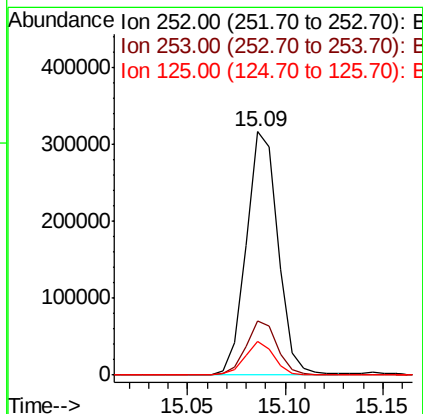
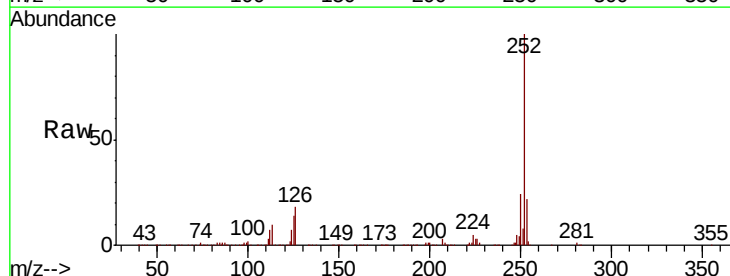
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

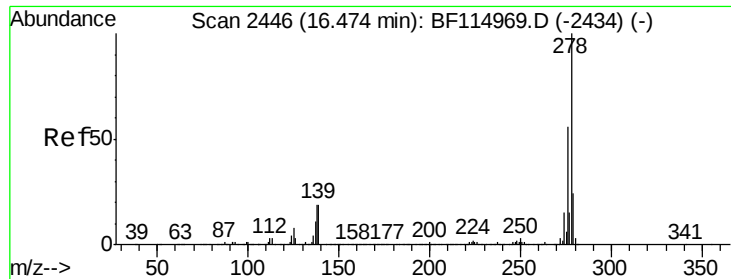
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	10.1	8.2	12.4



#90
Benzo(a)pyrene
Concen: 8.044 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF114980.D
Acq: 12 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	13.6	10.7	16.1





#91

Dibenzo(a,h)anthracene

Concen: 7.573 ng

RT: 16.46 min Scan# 2443

Delta R.T. -0.02 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

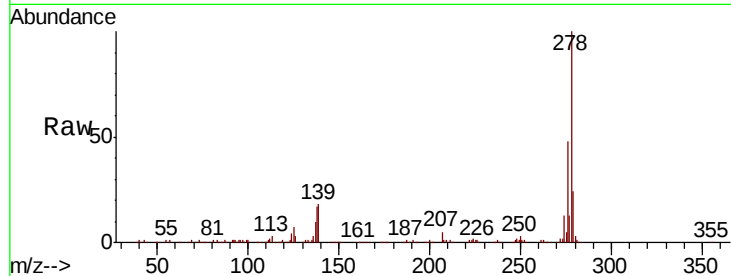
Tot Ion:278 Resp: 289832

Ion Ratio Lower Upper

278 100

139 18.0 15.3 22.9

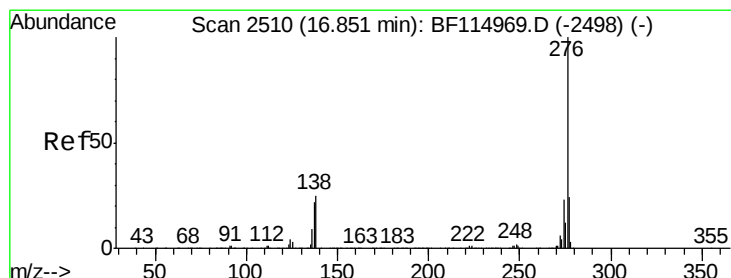
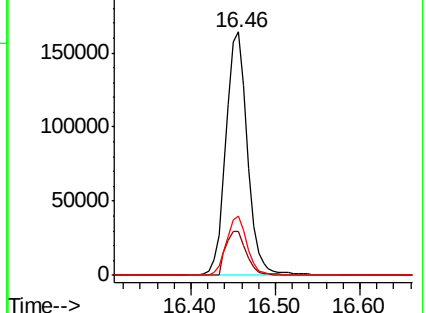
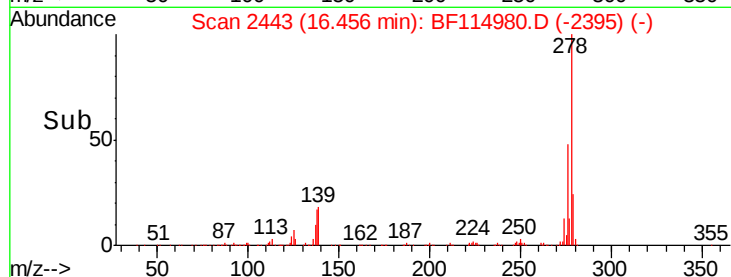
279 24.3 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 7.101 ng

RT: 16.83 min Scan# 2506

Delta R.T. -0.02 min

Lab File: BF114980.D

Acq: 12 Jun 2019 17:44

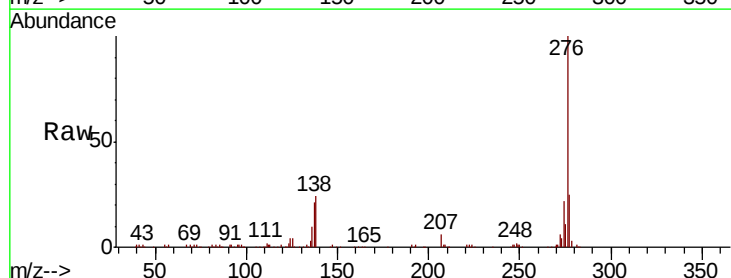
Tgt Ion:276 Resp: 277158

Ion Ratio Lower Upper

276 100

277 24.6 18.8 28.2

138 24.4 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

