

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
 Data File : BF115108.D
 Acq On : 22 Jun 2019 9:28
 Operator : HP/JU
 Sample : K2241-03
 Misc : MDL-SOIL-8PPM
 ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jun 24 04:23:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 21 17:55:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	235911	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	927517	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	465976	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	905756	20.00	ng	-0.01
76) Chrysene-d12	13.72	240	718505	20.00	ng	-0.02
87) Perylene-d12	15.08	264	769926	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1627889	106.49	ng	0.00
7) Phenol-d6	6.25	99	2085349	112.39	ng	0.00
23) Nitrobenzene-d5	7.17	82	1287221	85.37	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	632154	128.65	ng	-0.01
45) 2-Fluorobiphenyl	8.97	172	2409035	87.82	ng	-0.01
79) Terphenyl-d14	12.69	244	2749358	81.36	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.19	88	41600	5.766	ng	98
3) Pyridine	2.88	79	114850	5.648	ng	99
4) n-Nitrosodimethylamine	2.77	42	23551	2.954	ng	# 94
6) Aniline	6.27	93	197892	7.760	ng	99
8) 2-Chlorophenol	6.40	128	134912	7.848	ng	98
9) Benzaldehyde	6.15	77	112891	9.326	ng	98
10) Phenol	6.26	94	170104	7.826	ng	94
11) bis(2-Chloroethyl)ether	6.35	93	123909	7.734	ng	96
12) 1,3-Dichlorobenzene	6.55	146	150541	7.891	ng	96
13) 1,4-Dichlorobenzene	6.62	146	152924	7.994	ng	98
14) 1,2-Dichlorobenzene	6.78	146	143190	8.082	ng	98
15) Benzyl Alcohol	6.75	79	125112	9.260	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.90	45	179470	7.723	ng	98
17) 2-Methylphenol	6.87	107	109308	7.704	ng	99
18) Hexachloroethane	7.12	117	50476	7.319	ng	96
19) n-Nitroso-di-n-propylamine	7.02	70	94847	7.984	ng	97
20) 3+4-Methylphenols	7.02	107	142640	8.706	ng	# 82
22) Acetophenone	7.02	105	202070	9.516	ng	# 98
24) Nitrobenzene	7.19	77	141298	8.506	ng	99
25) Isophorone	7.43	82	254016	8.224	ng	99
26) 2-Nitrophenol	7.51	139	65652	8.003	ng	98
27) 2,4-Dimethylphenol	7.55	122	122058	9.088	ng	98
28) bis(2-Chloroethoxy)methane	7.65	93	159027	8.146	ng	99
29) 2,4-Dichlorophenol	7.74	162	112627	8.126	ng	98
30) 1,2,4-Trichlorobenzene	7.84	180	125717	8.211	ng	98
31) Naphthalene	7.91	128	416162	9.141	ng	97
32) Benzoic acid	7.62	122	73452	7.661	ng	96
33) 4-Chloroaniline	7.96	127	170709	8.204	ng	99
34) Hexachlorobutadiene	8.04	225	66791	7.961	ng	98
35) Caprolactam	8.29	113	37216	7.986	ng	99
36) 4-Chloro-3-methylphenol	8.44	107	118007	8.407	ng	99
37) 2-Methylnaphthalene	8.60	142	281873	9.182	ng	98
38) 1-Methylnaphthalene	8.70	142	269128	9.179	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.77	216	126367	9.597	ng	99

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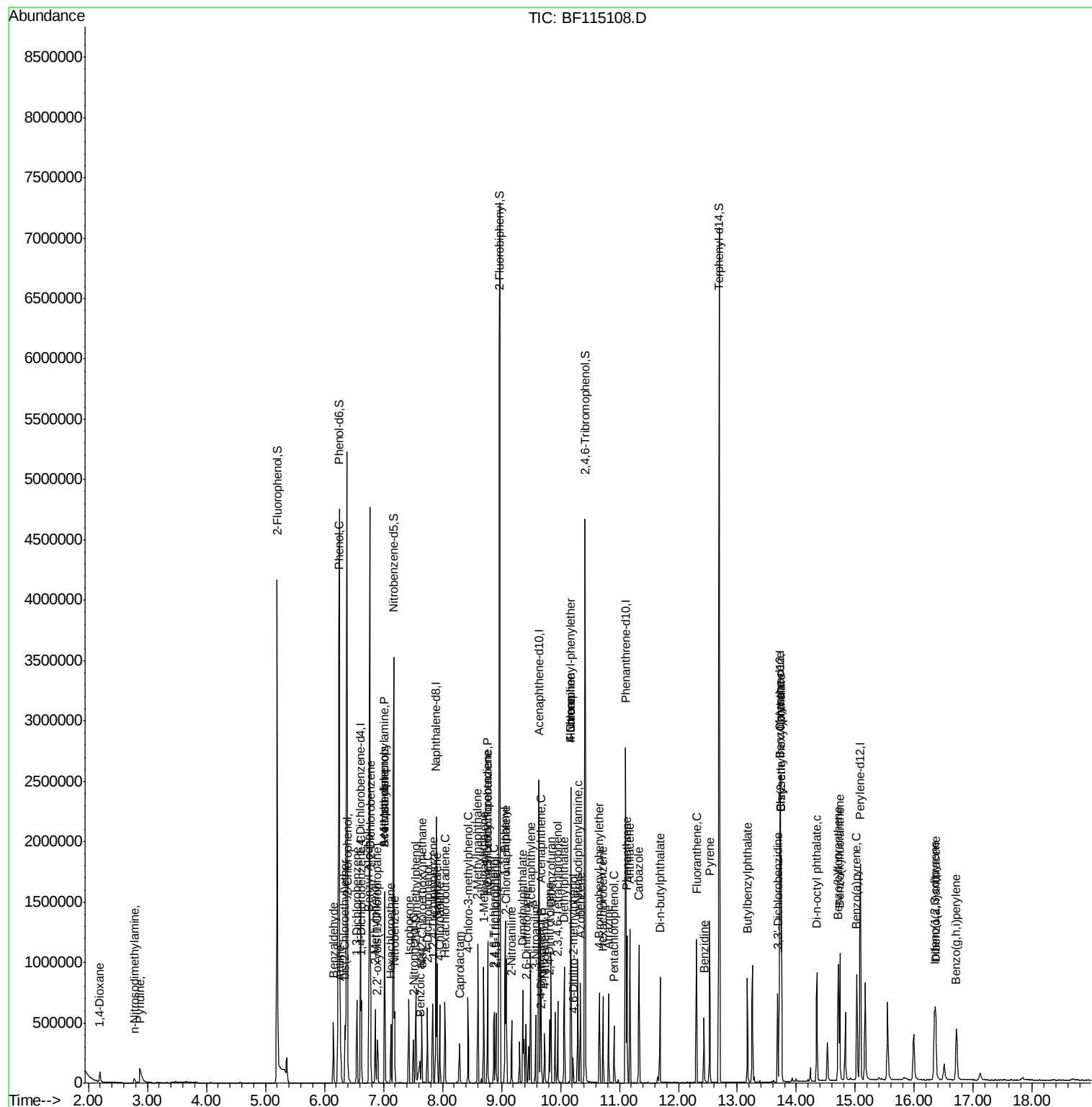
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.77	237	63318	8.109	ng	97
43) 2,4,6-Trichlorophenol	8.88	196	80467	7.915	ng	99
44) 2,4,5-Trichlorophenol	8.91	196	86856	8.297	ng	96
46) 1,1'-Biphenyl	9.07	154	361315	9.691	ng	98
47) 2-Chloronaphthalene	9.08	162	261153	8.635	ng	98
48) 2-Nitroaniline	9.17	65	69275	7.857	ng	99
49) Acenaphthylene	9.50	152	421200	8.939	ng	97
50) Dimethylphthalate	9.37	163	299298	8.730	ng	99
51) 2,6-Dinitrotoluene	9.42	165	63975	8.083	ng	93
52) Acenaphthene	9.67	154	258432	8.765	ng	97
53) 3-Nitroaniline	9.58	138	73730	7.634	ng	98
54) 2,4-Dinitrophenol	9.68	184	17790	11.311	ng	96
55) Dibenzofuran	9.84	168	375630	8.876	ng	98
56) 4-Nitrophenol	9.73	139	55767	7.202	ng	96
57) 2,4-Dinitrotoluene	9.81	165	80959	7.922	ng	92
58) Fluorene	10.18	166	286700	4.203	ng	99
59) 2,3,4,6-Tetrachlorophenol	9.95	232	77179	8.792	ng	97
60) Diethylphthalate	10.07	149	292323	8.483	ng	98
61) 4-Chlorophenyl-phenylether	10.18	204	134665	3.833	ng	97
62) 4-Nitroaniline	10.18	138	71779	7.408	ng	98
63) Azobenzene	10.34	77	281917	8.758	ng	96
65) 4,6-Dinitro-2-methylphenol	10.22	198	27115	10.005	ng	94
66) n-Nitrosodiphenylamine	10.29	169	250636	8.882	ng	98
67) 4-Bromophenyl-phenylether	10.66	248	83780	8.531	ng	97
68) Hexachlorobenzene	10.72	284	90972	8.535	ng	99
69) Atrazine	10.82	200	74836	8.244	ng	99
70) Pentachlorophenol	10.91	266	49689	7.317	ng	97
71) Phenanthrene	11.13	178	447027	9.167	ng	97
72) Anthracene	11.18	178	448298	9.107	ng	98
73) Carbazole	11.33	167	399545	9.089	ng	98
74) Di-n-butylphthalate	11.69	149	460766	9.071	ng	98
75) Fluoranthene	12.31	202	451645	9.282	ng	95
77) Benzidine	12.43	184	176980	5.547	ng	97
78) Pyrene	12.53	202	468993	8.494	ng	98
80) Butylbenzylphthalate	13.17	149	184294	7.563	ng	94
81) Benzo(a)anthracene	13.71	228	402617	7.809	ng	98
82) 3,3'-Dichlorobenzidine	13.68	252	151687	8.148	ng	99
83) Chrysene	13.75	228	405127	8.579	ng	98
84) Bis(2-ethylhexyl)phthalate	13.74	149	258334	8.091	ng	99
85) Di-n-octyl phthalate	14.35	149	420221	7.833	ng	100
86) Indeno(1,2,3-cd)pyrene	16.34	276	393754	7.046	ng	99
88) Benzo(b)fluoranthene	14.71	252	420793	8.759	ng	99
89) Benzo(k)fluoranthene	14.74	252	377157	8.754	ng	96
90) Benzo(a)pyrene	15.02	252	380475	8.787	ng	99
91) Dibenzo(a,h)anthracene	16.36	278	330229	8.169	ng	97
92) Benzo(g,h,i)perylene	16.71	276	326089	7.970	ng	100

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

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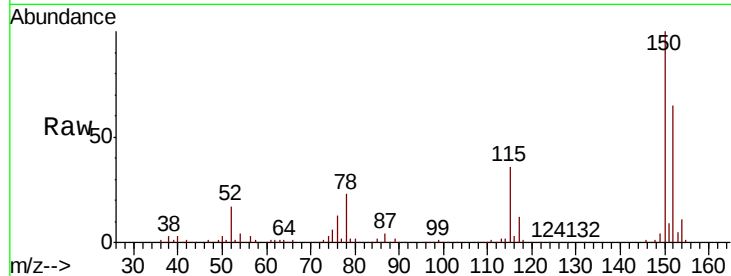


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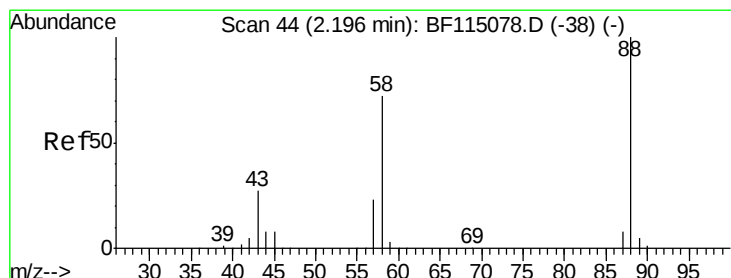
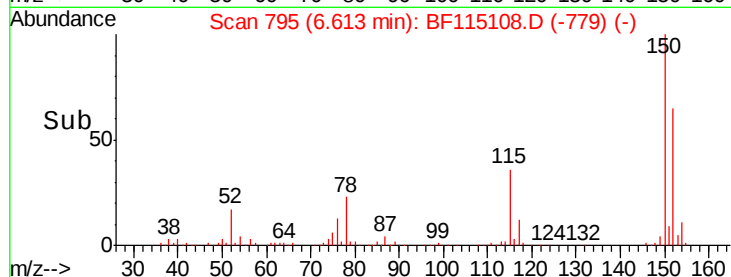
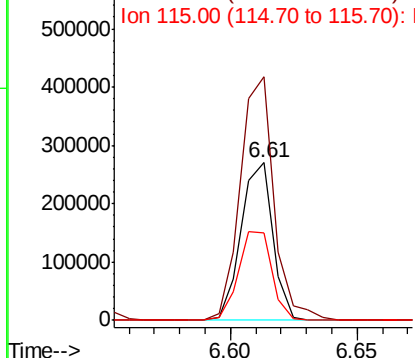
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

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

Tot Ion:152 Resp: 235911
Ion Ratio Lower Upper
152 100
150 154.8 124.2 186.2
115 56.0 46.1 69.1



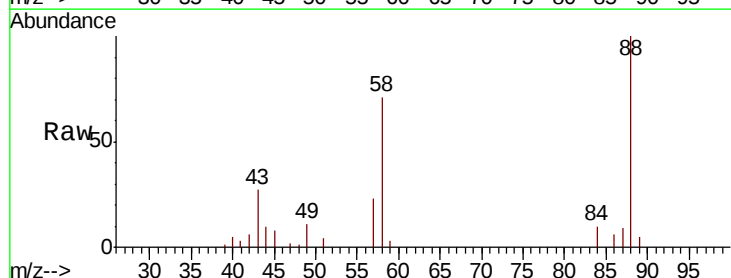
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



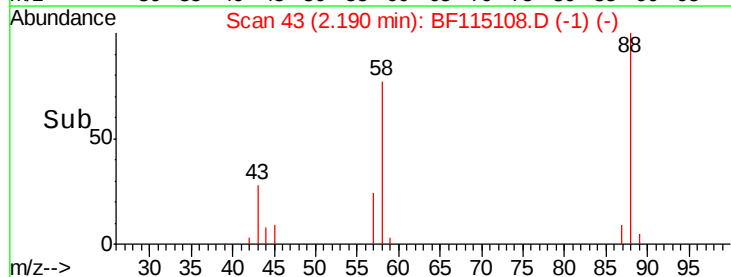
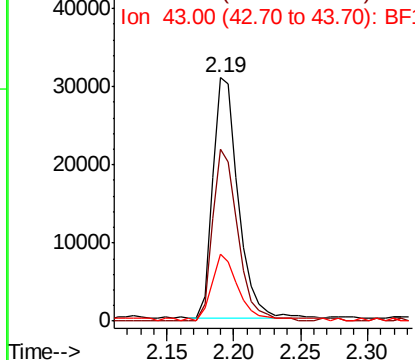
#2

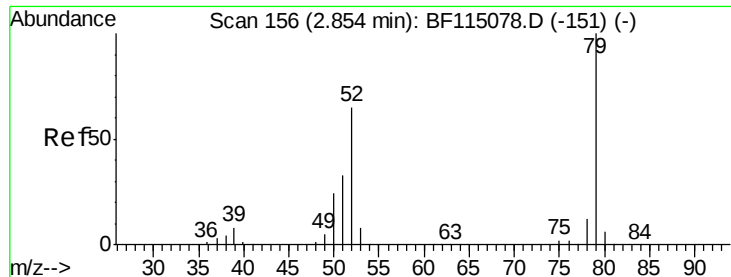
1,4-Dioxane
Concen: 5.766 ng
RT: 2.19 min Scan# 43
Delta R.T. -0.01 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion: 88 Resp: 41600
Ion Ratio Lower Upper
88 100
58 71.0 56.1 84.1
43 29.3 21.3 31.9



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: 5.648 ng

RT: 2.88 min Scan# 160

Delta R.T. 0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

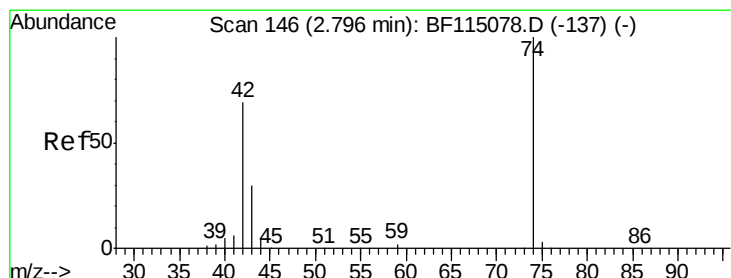
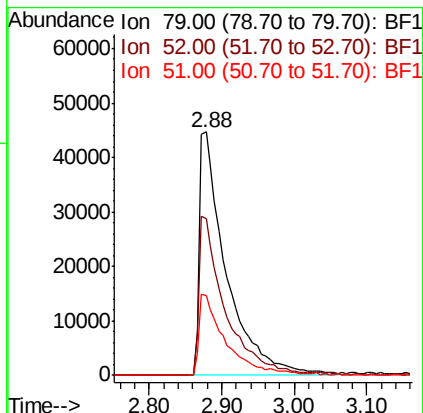
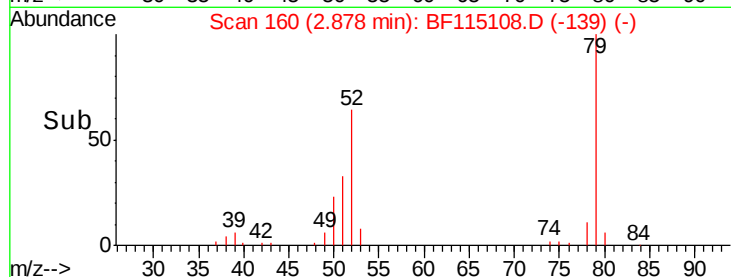
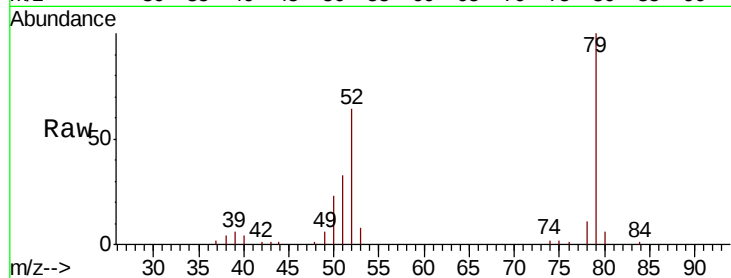
Tot Ion: 79 Resp: 114850

Ion Ratio Lower Upper

79 100

52 64.2 52.3 78.5

51 32.5 26.1 39.1



#4

n-Nitrosodimethylamine

Concen: 2.954 ng

RT: 2.77 min Scan# 142

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

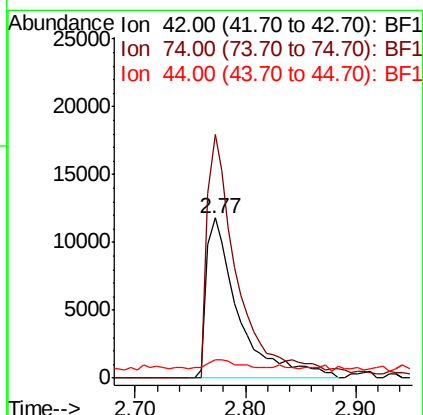
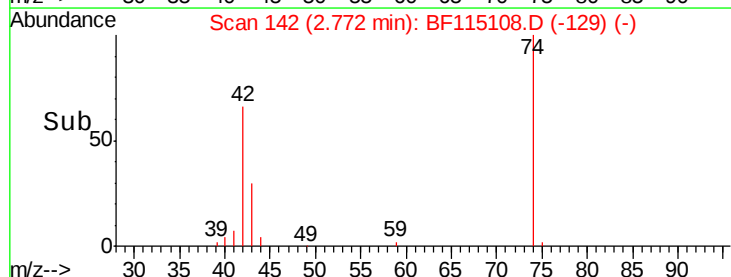
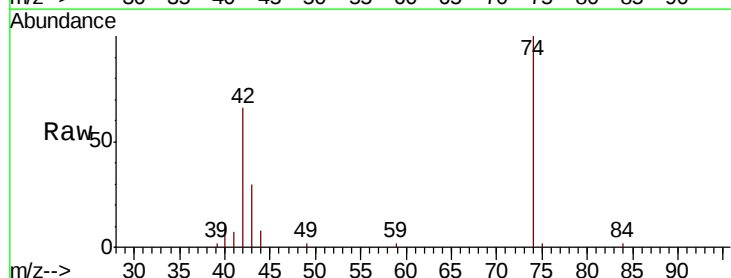
Tgt Ion: 42 Resp: 23551

Ion Ratio Lower Upper

42 100

74 152.3 116.6 175.0

44 11.8 5.3 7.9#





#5

2-Fluorophenol

Concen: 106.485 ng

RT: 5.20 min Scan# 555

Delta R.T. -0.01 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

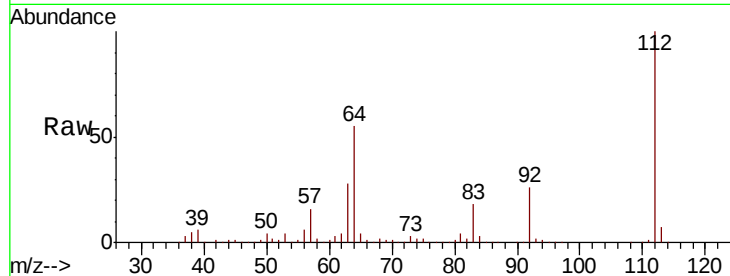
Tot Ion: 112 Resp: 1627889

Ion Ratio Lower Upper

112 100

64 54.6 43.8 65.6

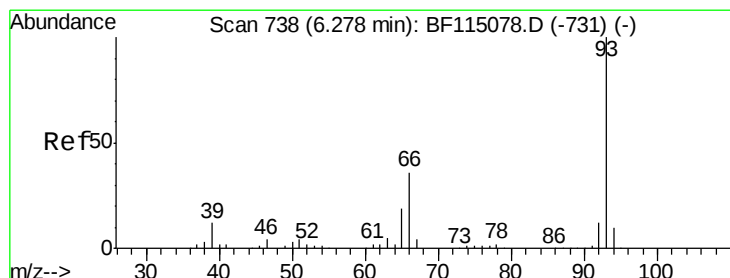
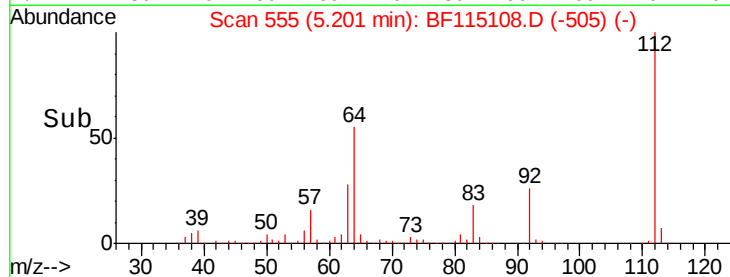
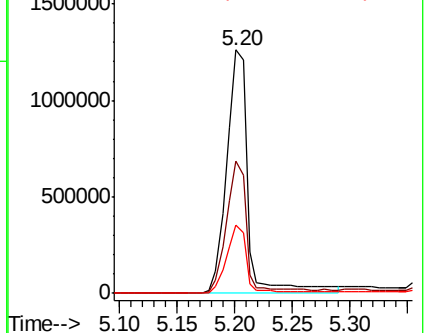
63 28.1 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 7.760 ng

RT: 6.27 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

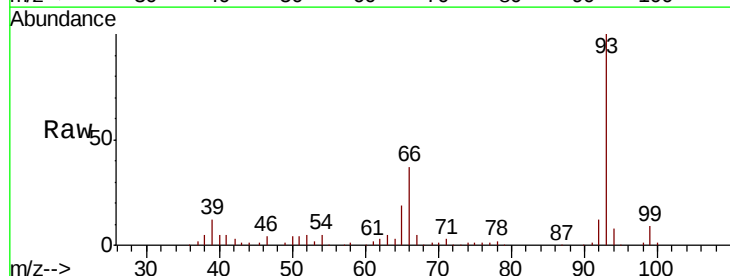
Tgt Ion: 93 Resp: 197892

Ion Ratio Lower Upper

93 100

66 36.8 30.0 45.0

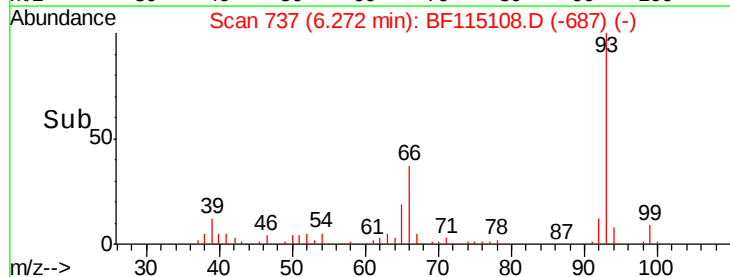
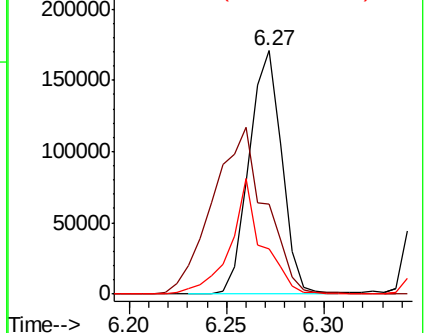
65 18.7 15.6 23.4

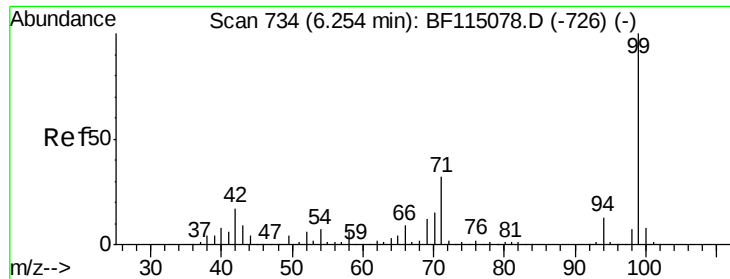


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 112.386 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF115108.D

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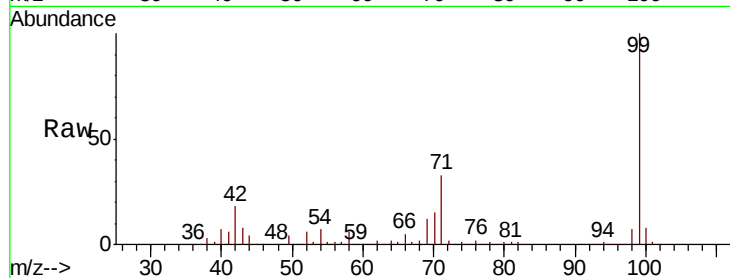
Tot Ion: 99 Resp: 2085349

Ion Ratio Lower Upper

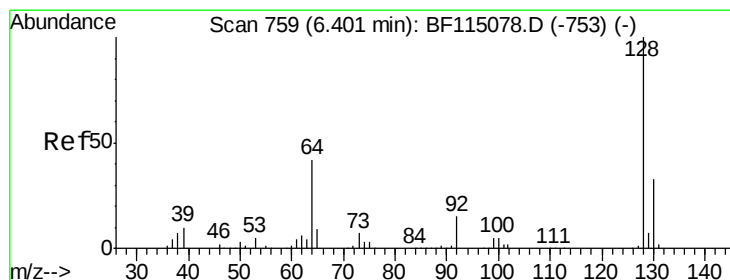
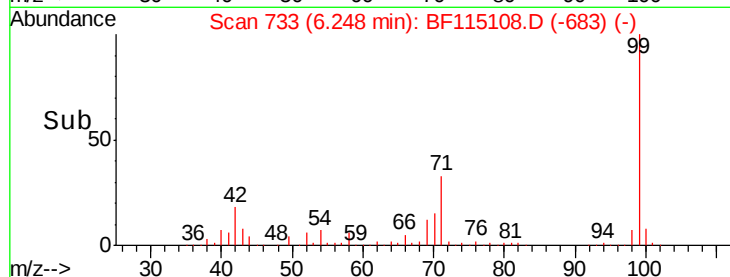
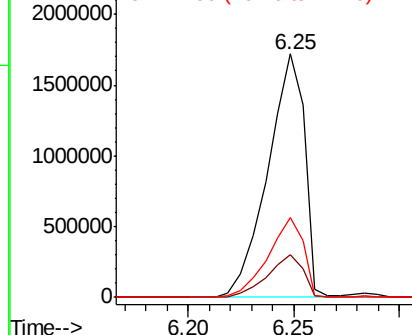
99 100

42 17.5 13.6 20.4

71 32.9 25.5 38.3



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



#8

2-Chlorophenol

Concen: 7.848 ng

RT: 6.40 min Scan# 758

Delta R.T. -0.01 min

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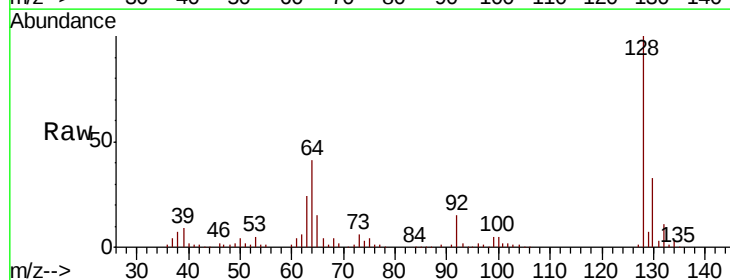
Tgt Ion:128 Resp: 134912

Ion Ratio Lower Upper

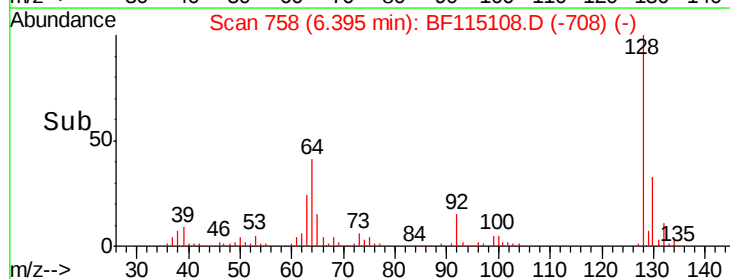
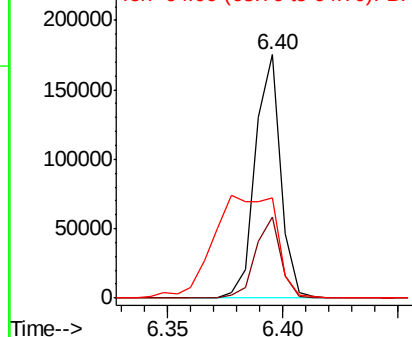
128 100

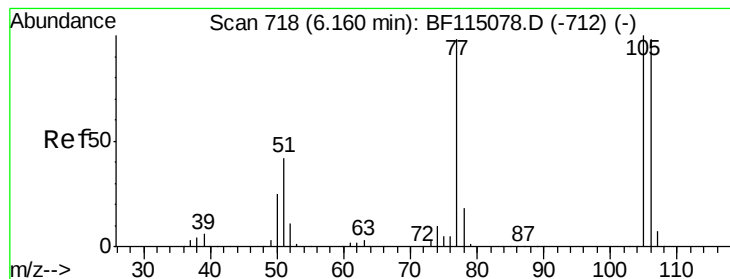
130 33.5 12.9 52.9

64 41.4 22.9 62.9



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





#9

Benzaldehyde

Concen: 9.326 ng

RT: 6.15 min Scan# 717

Delta R.T. -0.01 min

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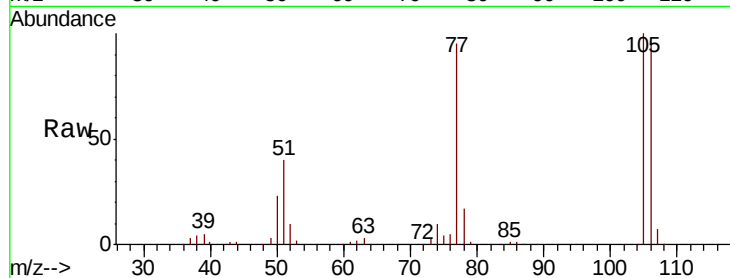
Tot Ion: 77 Resp: 112891

Ion Ratio Lower Upper

77 100

105 104.9 81.5 121.5

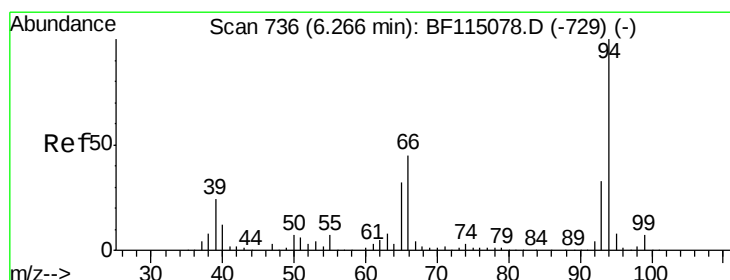
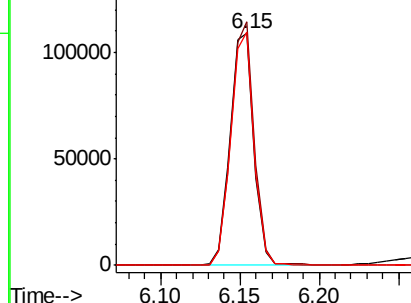
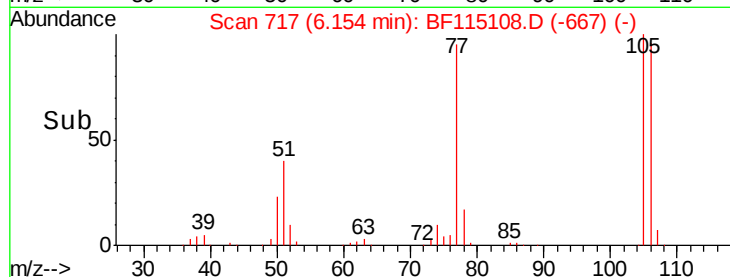
106 100.8 79.7 119.7



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: 7.826 ng

RT: 6.26 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF115108.D

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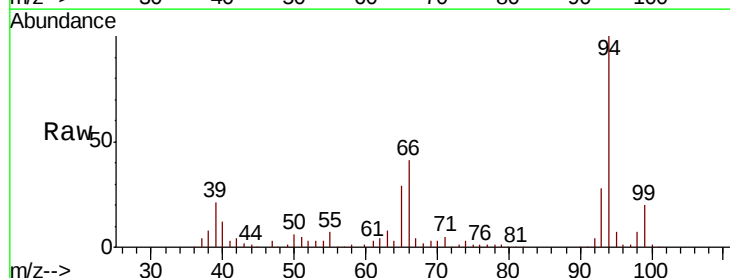
Tgt Ion: 94 Resp: 170104

Ion Ratio Lower Upper

94 100

65 28.8 11.9 51.9

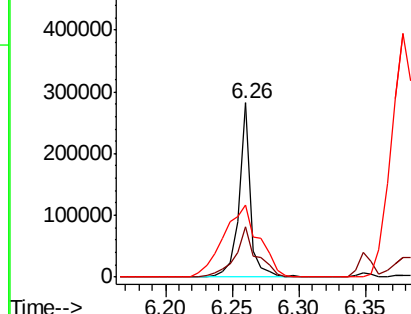
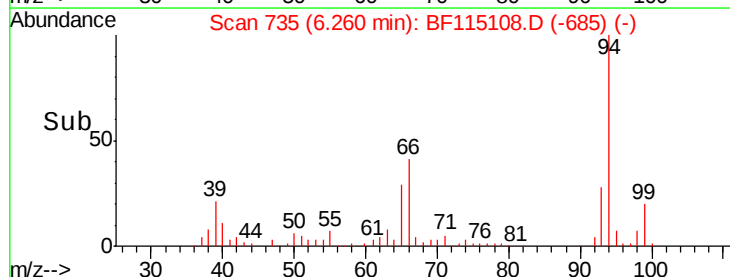
66 41.3 25.2 65.2

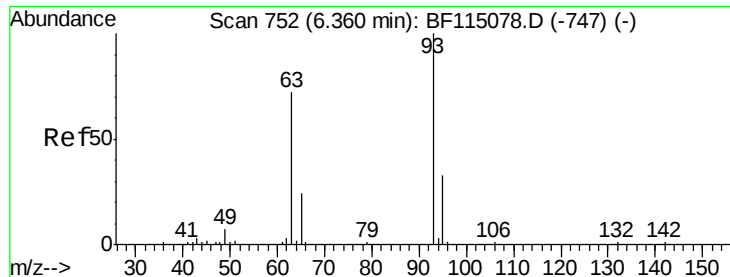


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

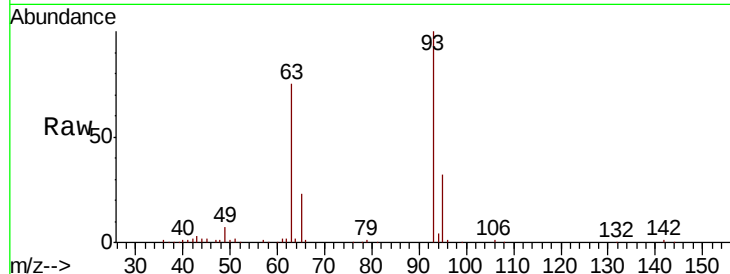




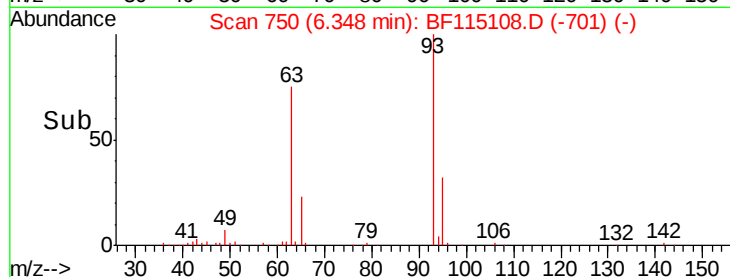
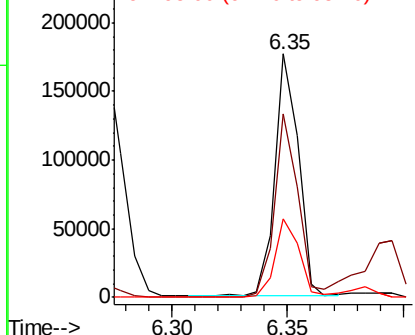
#11
bis(2-Chloroethyl)ether
Concen: 7.734 ng
RT: 6.35 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

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

Tot Ion	Ratio	Lower	Upper
93	100		
63	75.3	51.5	91.5
95	32.1	13.4	53.4

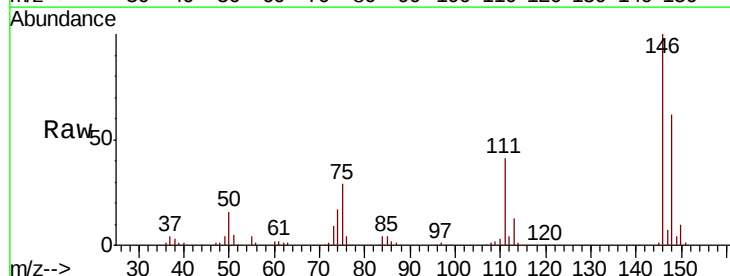


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

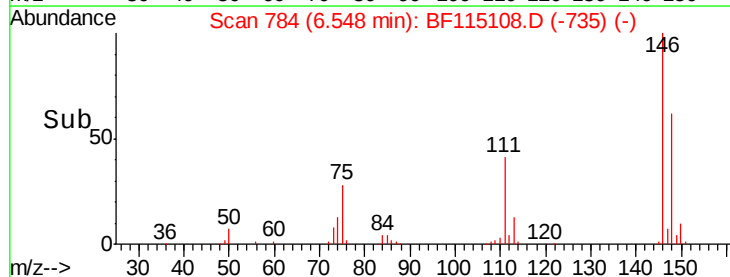
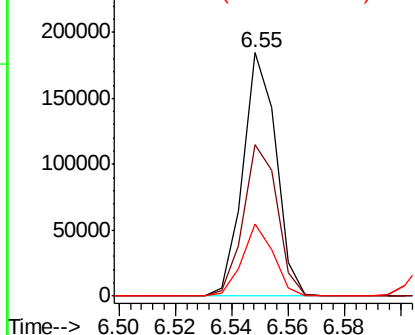


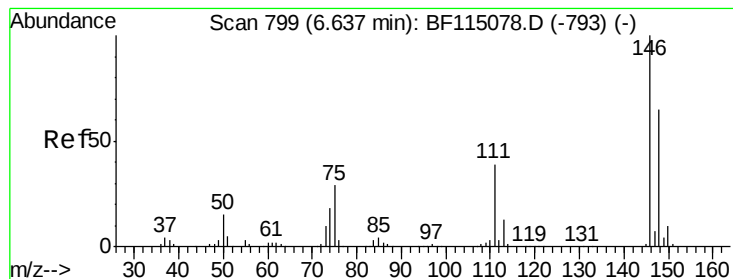
#12
1,3-Dichlorobenzene
Concen: 7.891 ng
RT: 6.55 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.1	52.6	78.8
75	29.4	22.6	34.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 7.994 ng

RT: 6.62 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

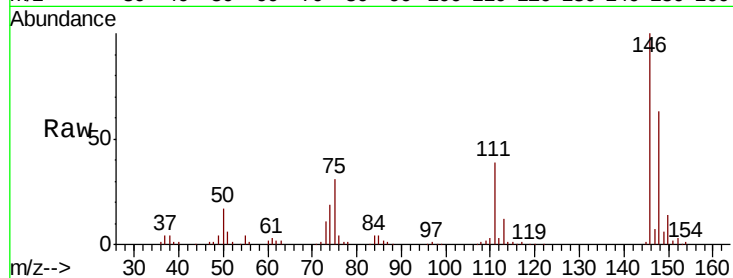
Tot Ion:146 Resp: 152924

Ion Ratio Lower Upper

146 100

148 62.7 51.9 77.9

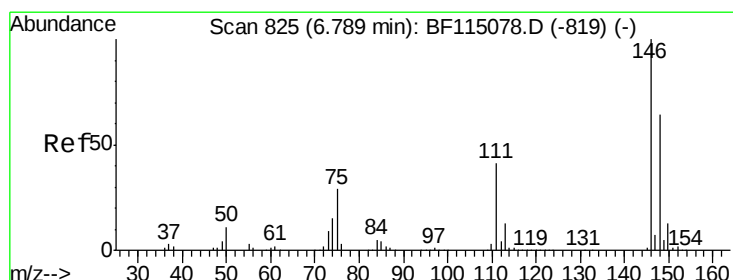
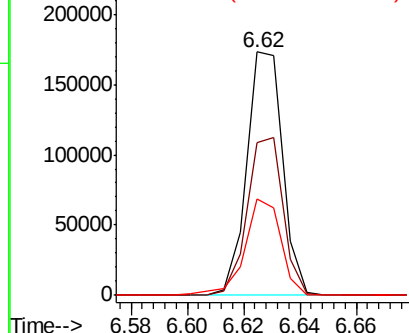
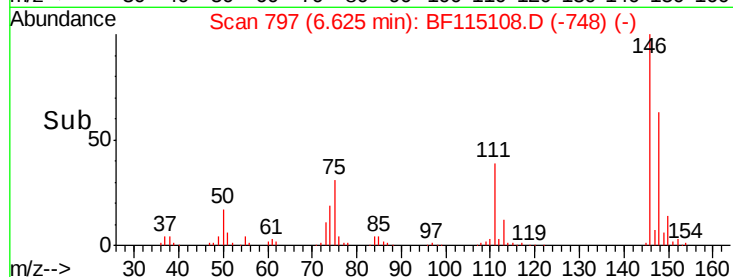
111 39.4 31.4 47.0



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: 8.082 ng

RT: 6.78 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

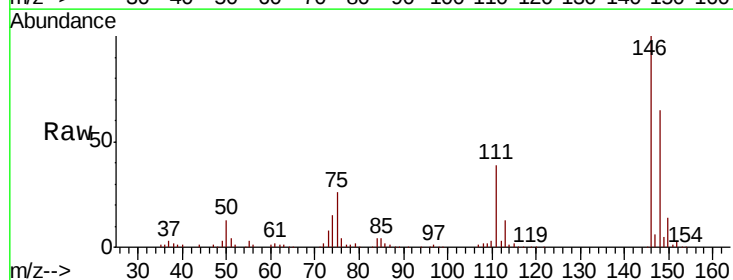
Tgt Ion:146 Resp: 143190

Ion Ratio Lower Upper

146 100

148 64.9 51.1 76.7

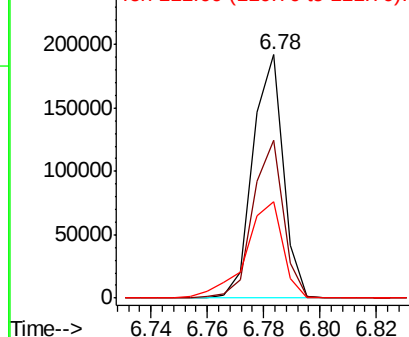
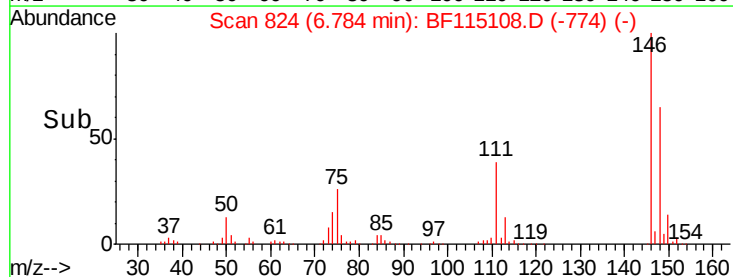
111 39.5 33.2 49.8

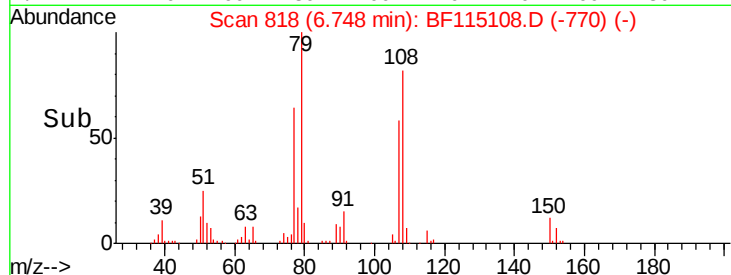
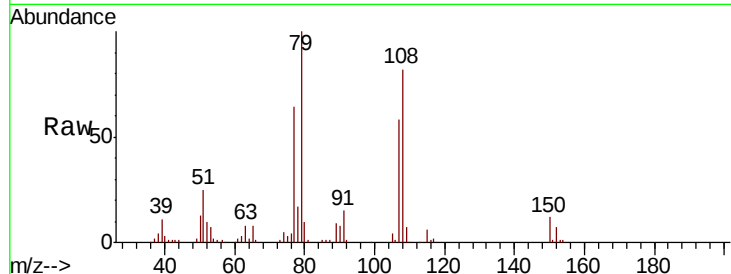


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

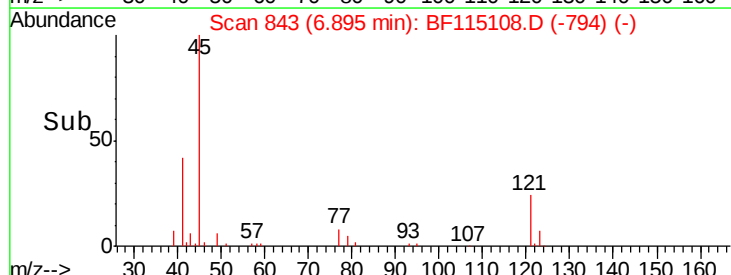
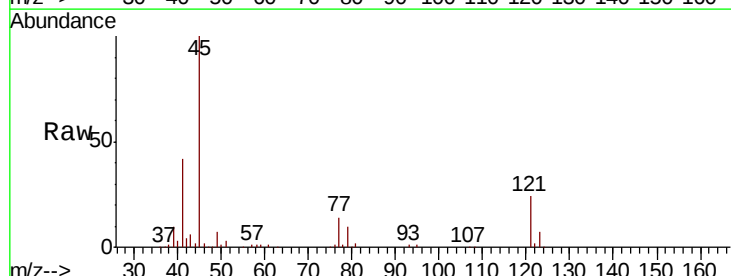
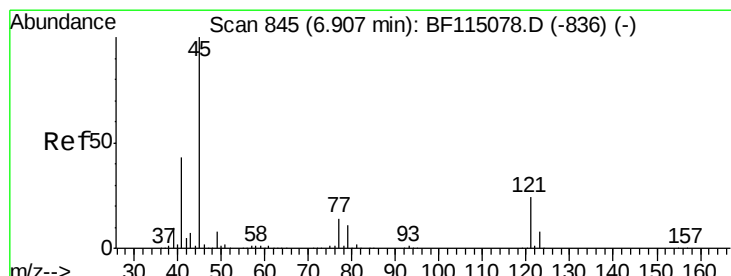
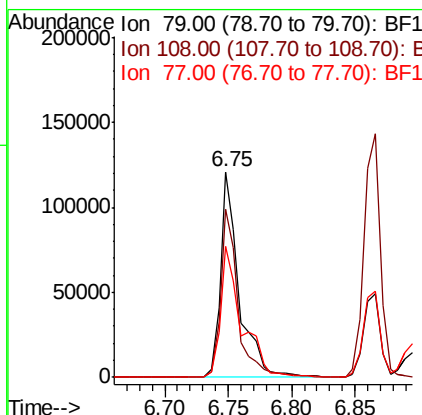




#15
Benzyl Alcohol
Concen: 9.260 ng
RT: 6.75 min Scan# 818
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

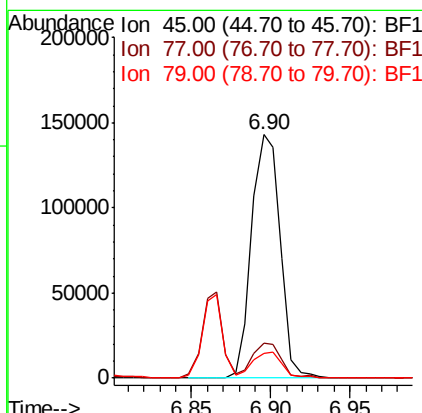
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

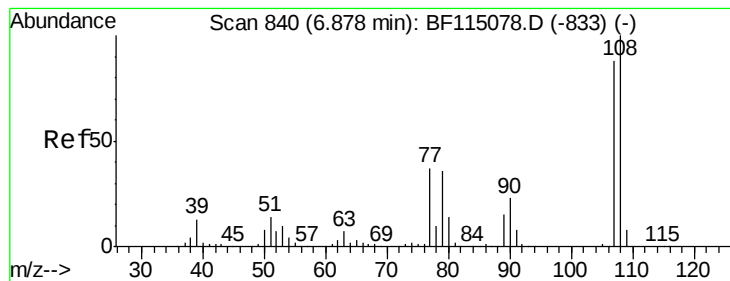
Tot Ion: 79 Resp: 125112
Ion Ratio Lower Upper
79 100
108 82.0 68.7 103.1
77 63.7 51.7 77.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.723 ng
RT: 6.90 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion: 45 Resp: 179470
Ion Ratio Lower Upper
45 100
77 14.1 0.0 34.6
79 10.4 0.0 31.2

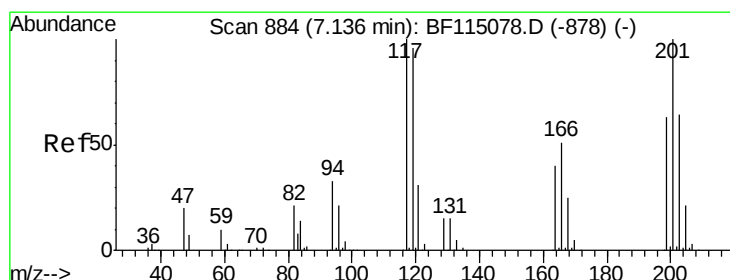
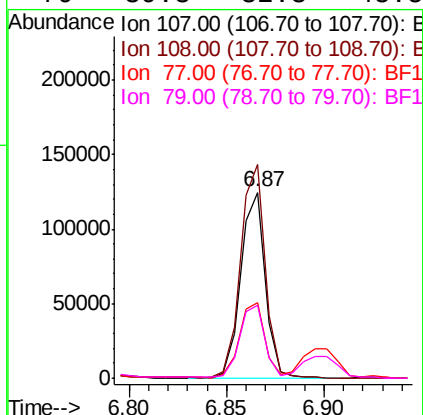
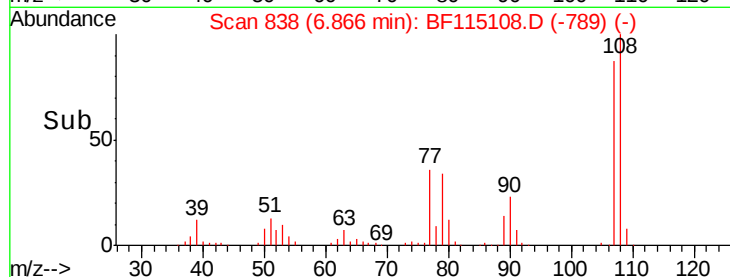
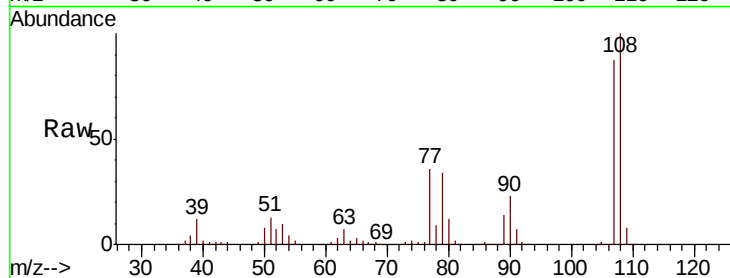




#17
2-Methylphenol
Concen: 7.704 ng
RT: 6.87 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

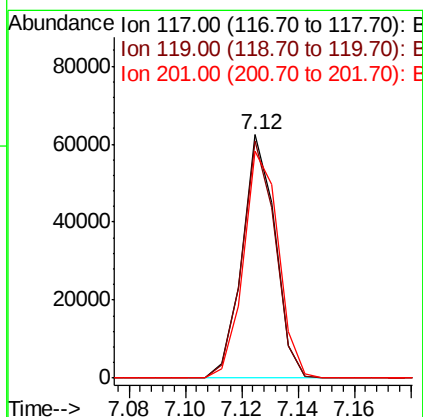
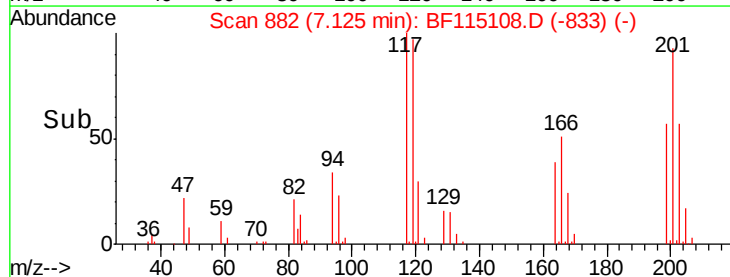
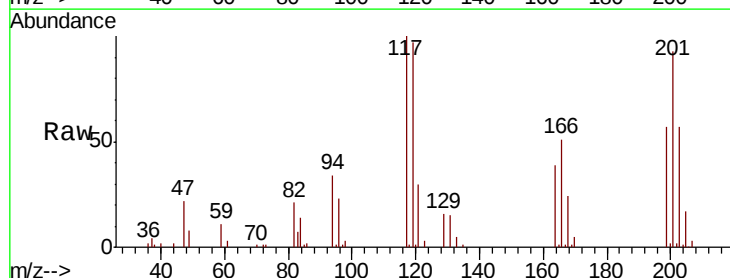
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

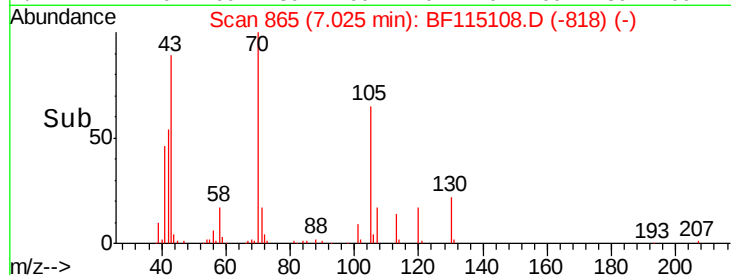
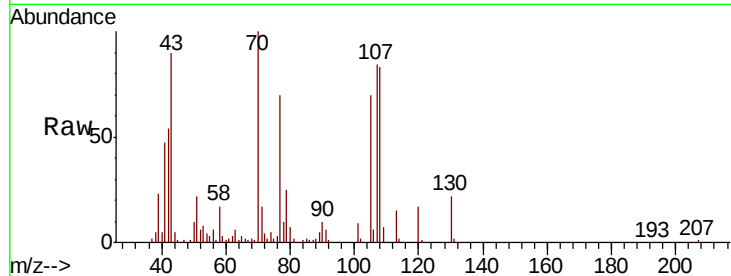
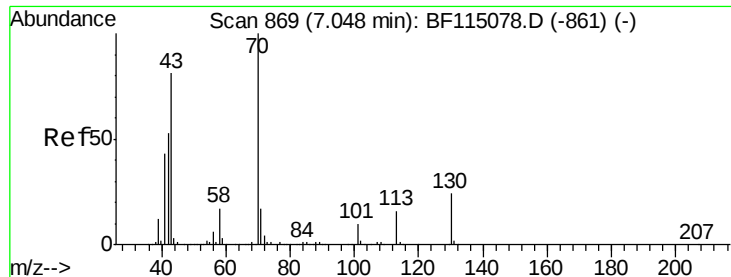
Tot Ion	Ratio	Lower	Upper
107	100		
108	114.9	90.9	136.3
77	40.9	33.4	50.2
79	39.3	32.3	48.5



#18
Hexachloroethane
Concen: 7.319 ng
RT: 7.12 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.6	114.8
201	93.3	80.2	120.2

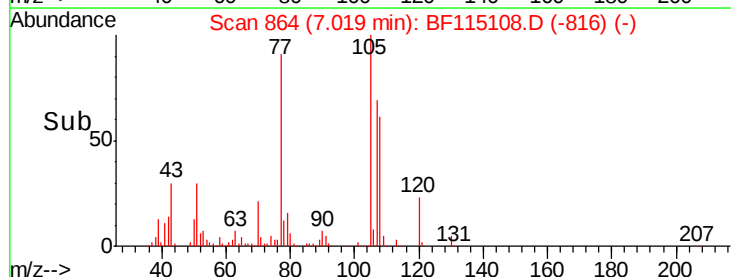
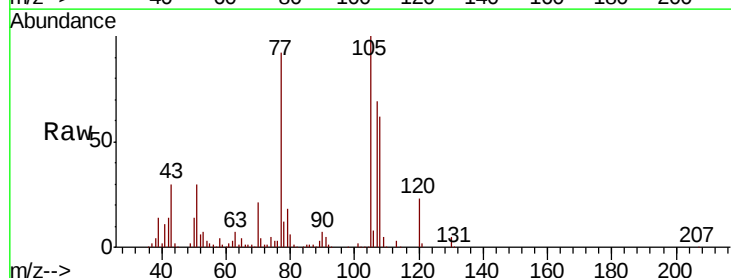
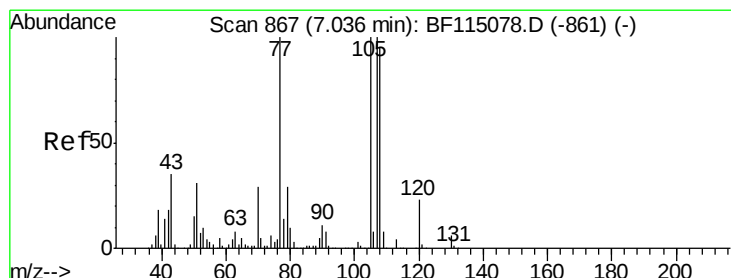
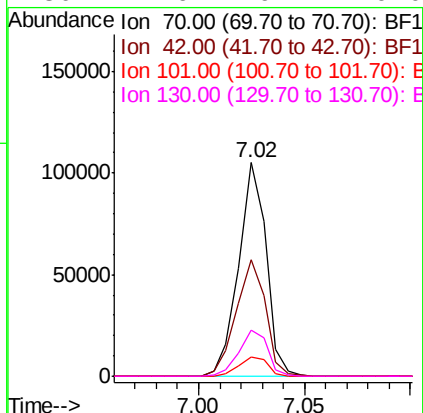




#19
n-Nitroso-di-n-propylamine
Concen: 7.984 ng
RT: 7.02 min Scan# 865
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

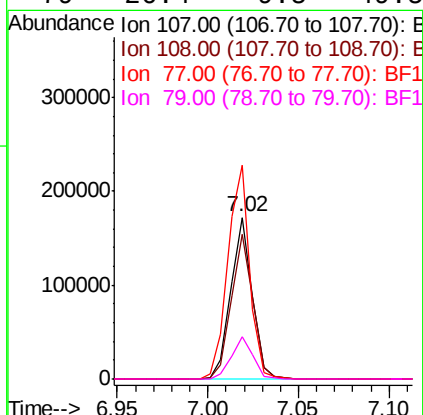
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	70	Resp:	94847
Ion	Ratio	Lower	Upper
70	100		
42	54.3	42.6	63.8
101	8.9	8.0	12.0
130	21.6	19.4	29.0



#20
3+4-Methylphenols
Concen: 8.706 ng
RT: 7.02 min Scan# 864
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion:	107	Resp:	142640
Ion	Ratio	Lower	Upper
107	100		
108	89.6	75.5	115.5
77	132.4	80.2	120.2#
79	26.4	9.5	49.5

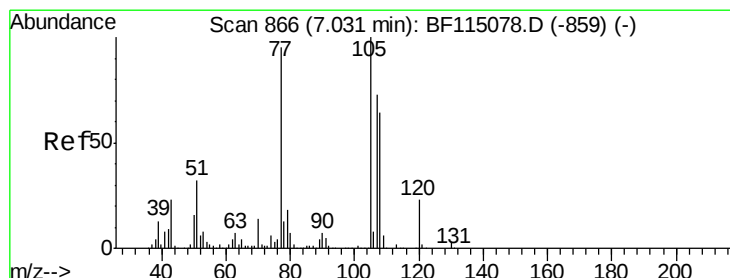
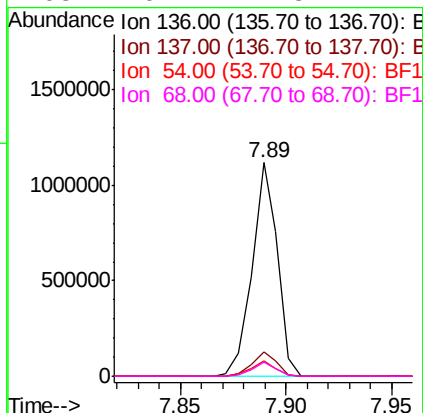
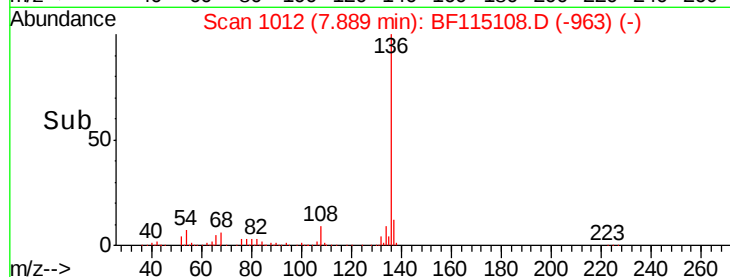
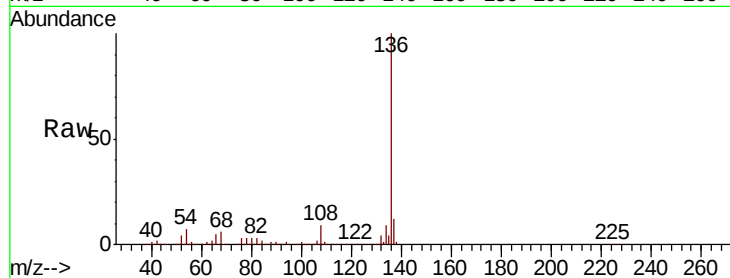




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.89 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

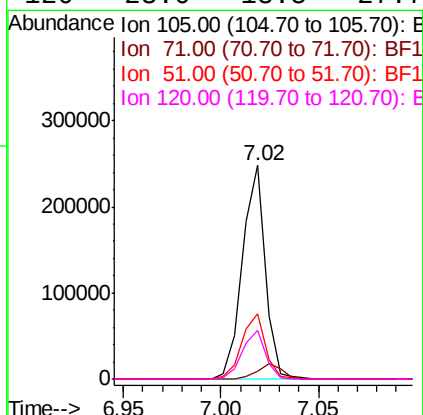
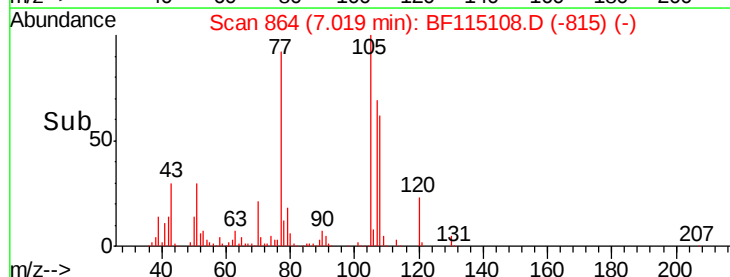
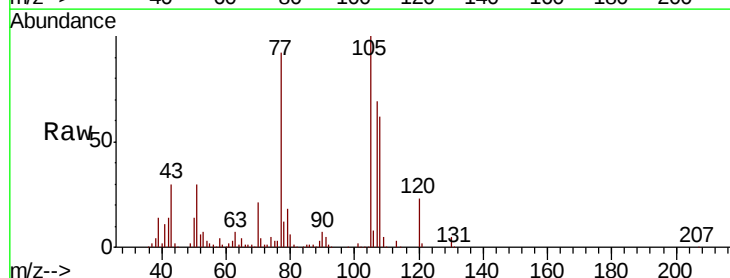
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

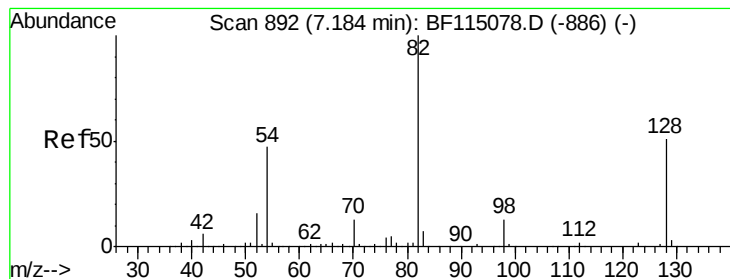
Tot Ion:136	Resp: 927517
Ion Ratio	Lower Upper
136 100	
137 11.5	8.9 13.3
54 7.4	5.6 8.4
68 6.4	4.8 7.2



#22
Acetophenone
Concen: 9.516 ng
RT: 7.02 min Scan# 864
Delta R.T. -0.01 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt	Ion:105	Resp:	202070
Ion	Ratio	Lower	Upper
105	100		
71	3.8	1.9	2.9#
51	30.3	25.8	38.8
120	23.0	18.5	27.7





#23

Nitrobenzene-d5

Concen: 85.372 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

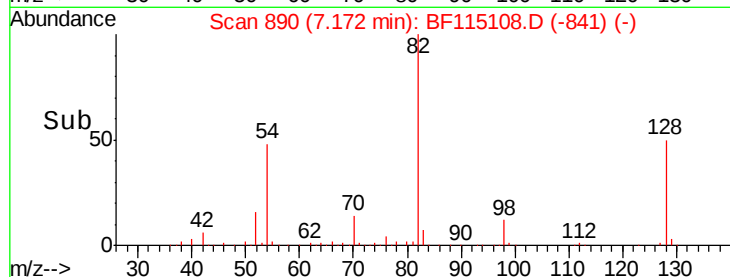
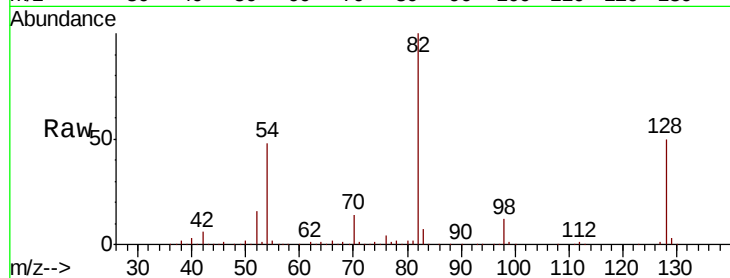
Tot Ion: 82 Resp: 1287221

Ion Ratio Lower Upper

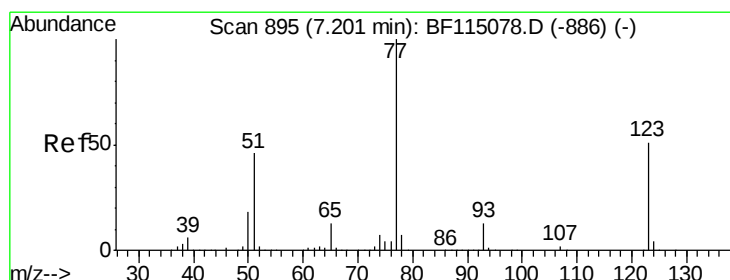
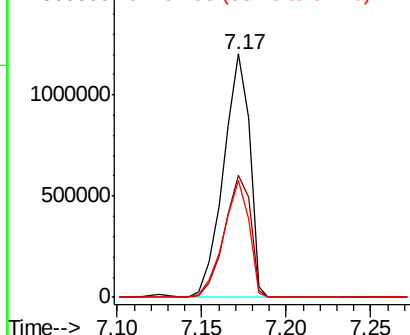
82 100

128 49.9 40.4 60.6

54 47.9 37.5 56.3



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: 8.506 ng

RT: 7.19 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

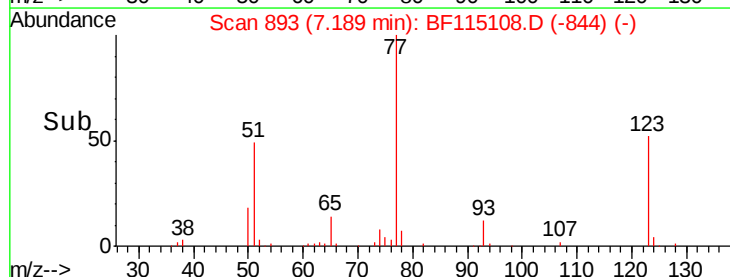
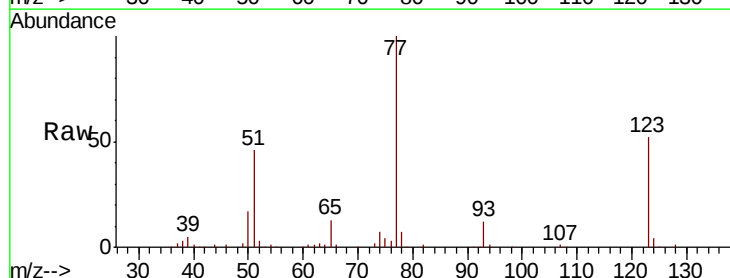
Tgt Ion: 77 Resp: 141298

Ion Ratio Lower Upper

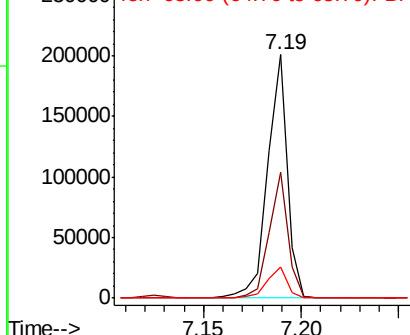
77 100

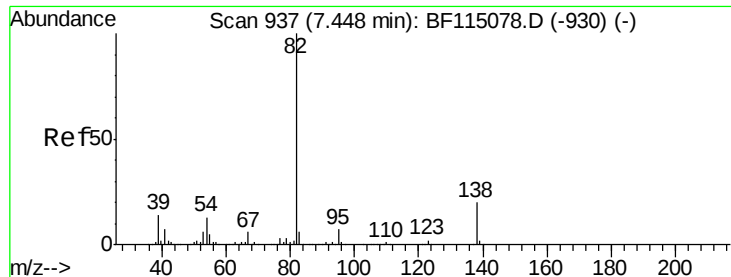
123 51.8 41.0 61.6

65 12.7 10.5 15.7



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: 8.224 ng

RT: 7.43 min Scan# 934

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

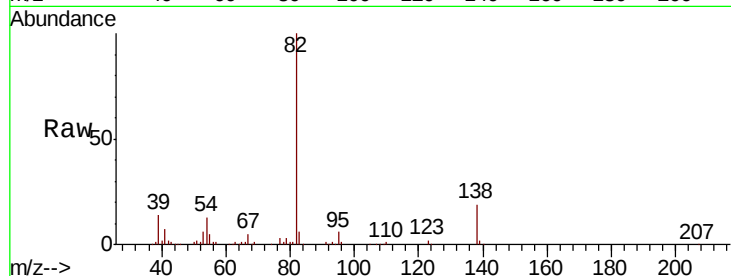
Tot Ion: 82 Resp: 254016

Ion Ratio Lower Upper

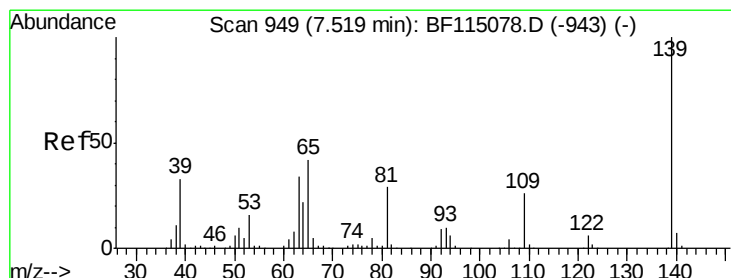
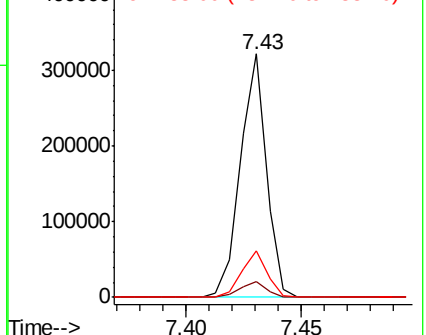
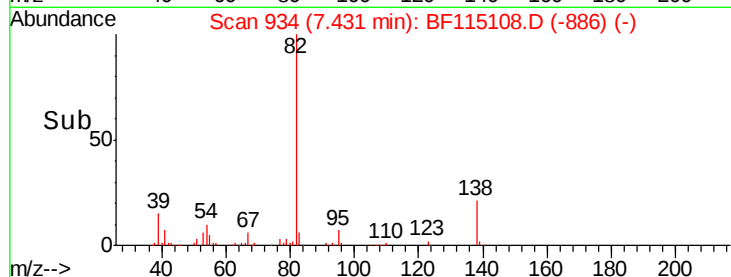
82 100

95 6.5 5.4 8.2

138 19.1 15.9 23.9



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 8.003 ng

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

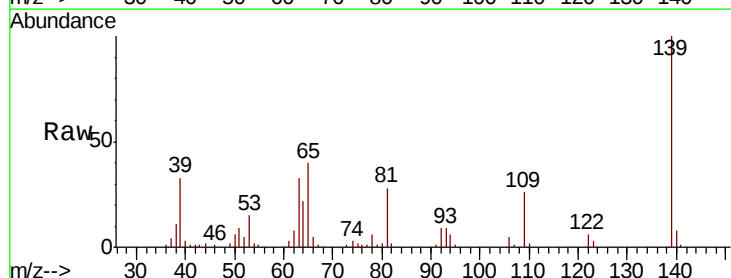
Tgt Ion: 139 Resp: 65652

Ion Ratio Lower Upper

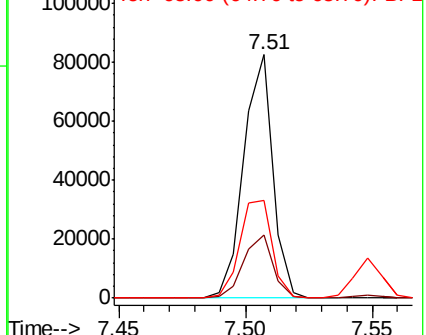
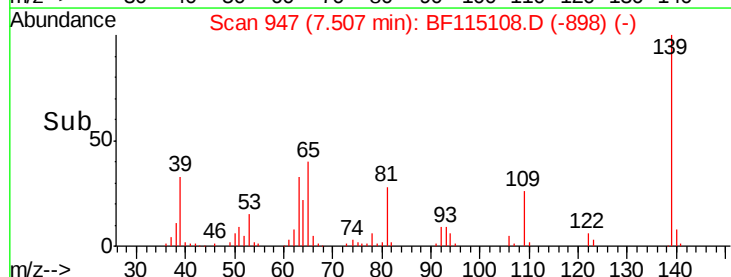
139 100

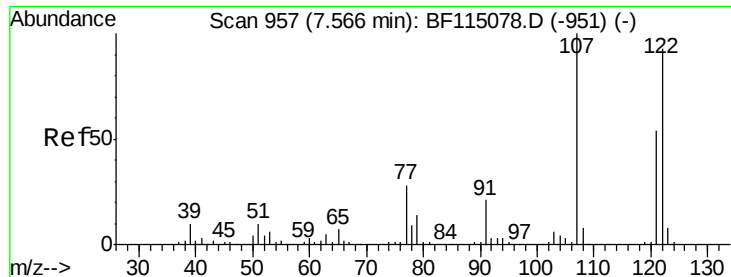
109 25.7 20.4 30.6

65 39.9 33.6 50.4



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

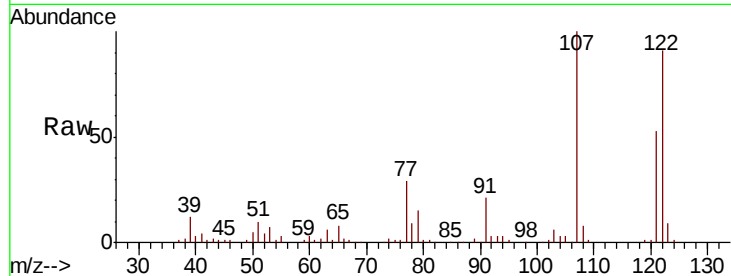




#27
 2,4-Dimethylphenol
 Concen: 9.088 ng
 RT: 7.55 min Scan# 954
 Delta R.T. -0.02 min
 Lab File: BF115108.D
 Acq: 22 Jun 2019 9:28

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

Tot Ion	Ratio	Lower	Upper
122	100		
107	110.1	85.8	128.6
121	57.9	46.3	69.5

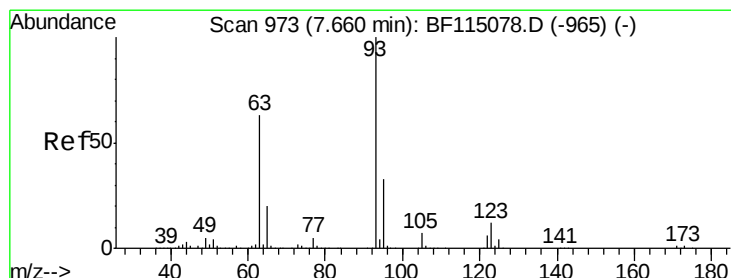
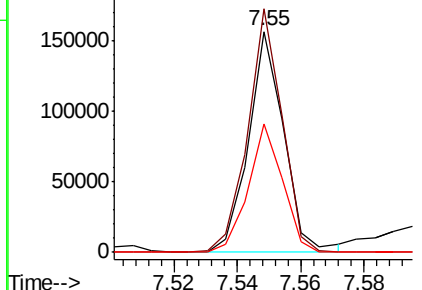
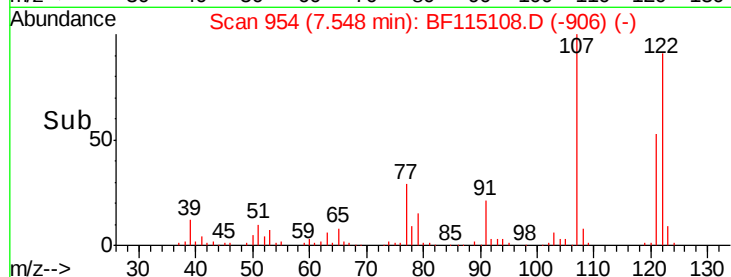


Abundance

Ion 122.00 (121.70 to 122.70): E

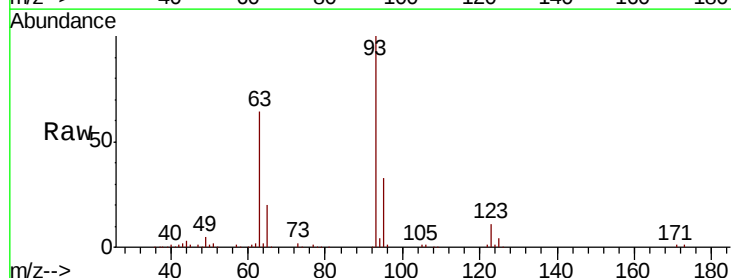
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
 bis(2-Chloroethoxy)methane
 Concen: 8.146 ng
 RT: 7.65 min Scan# 971
 Delta R.T. -0.01 min
 Lab File: BF115108.D
 Acq: 22 Jun 2019 9:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	11.0	9.7	14.5

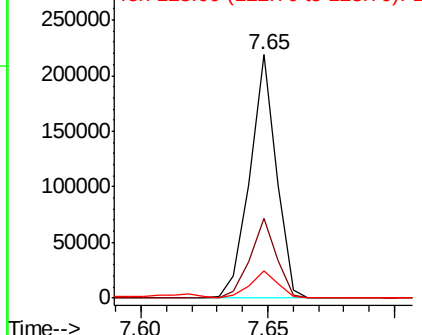
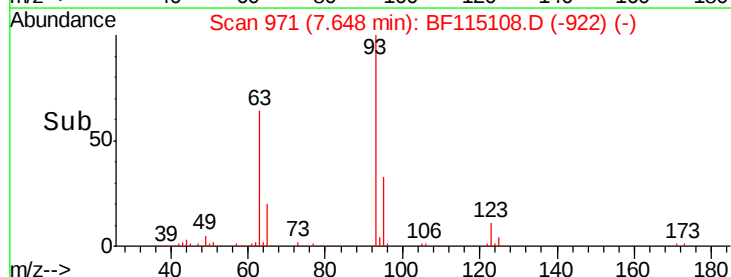


Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

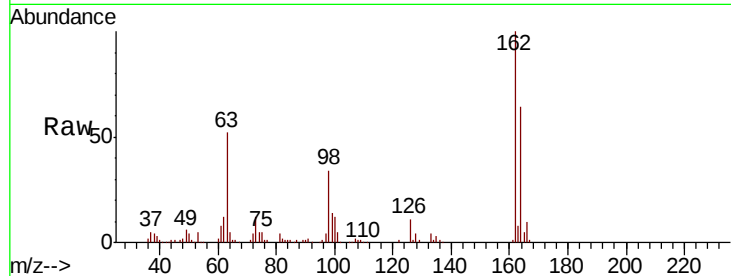




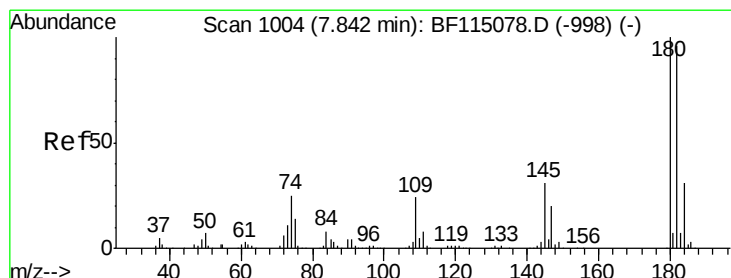
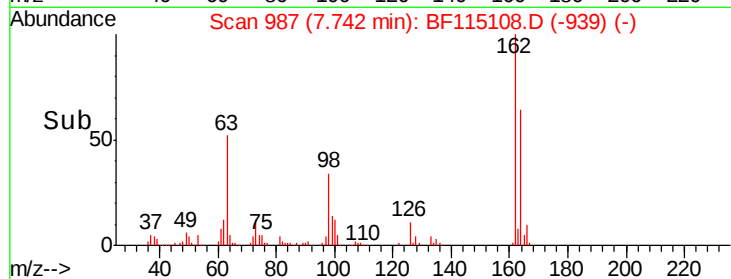
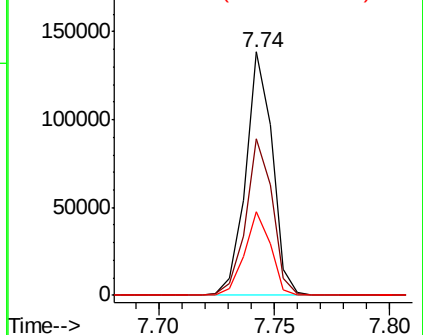
#29
2,4-Dichlorophenol
Concen: 8.126 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

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

Tot Ion:162 Resp: 112627
Ion Ratio Lower Upper
162 100
164 64.1 45.3 85.3
98 34.3 12.5 52.5

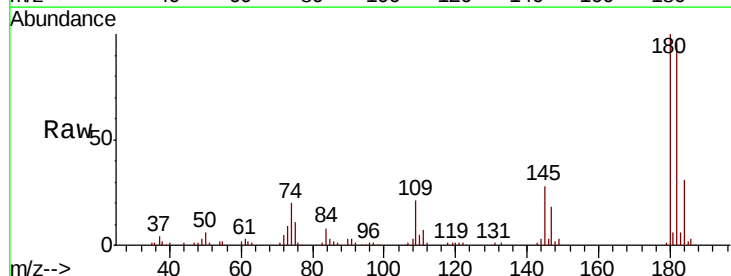


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

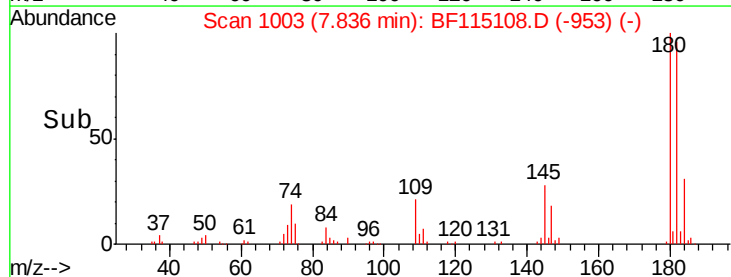
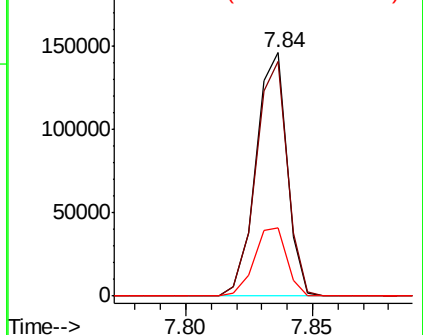


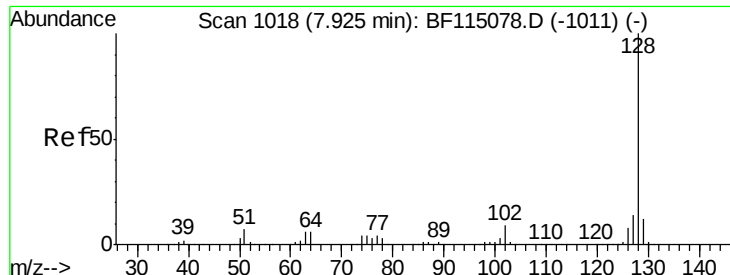
#30
1,2,4-Trichlorobenzene
Concen: 8.211 ng
RT: 7.84 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion:180 Resp: 125717
Ion Ratio Lower Upper
180 100
182 96.2 76.4 114.6
145 28.1 24.8 37.2



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

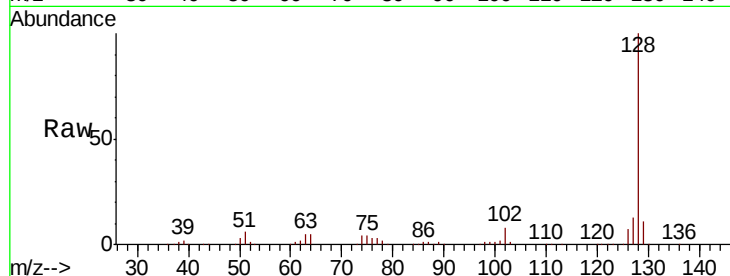




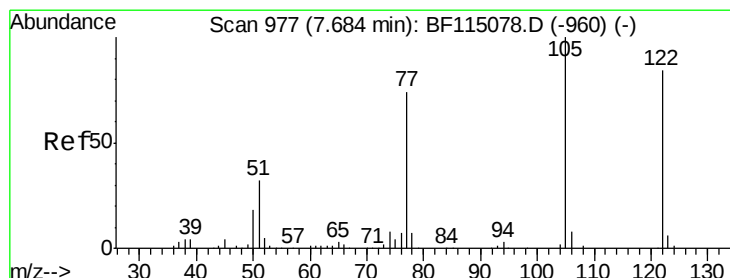
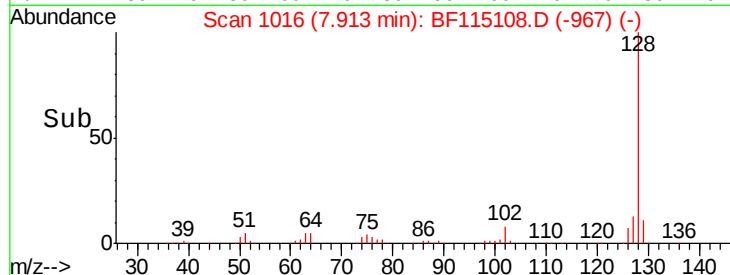
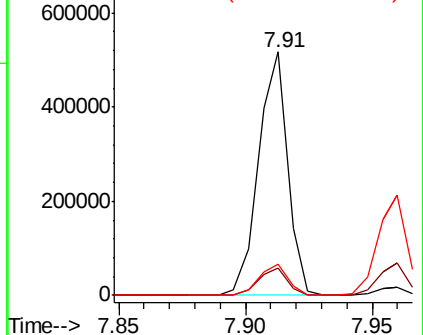
#31
Naphthalene
Concen: 9.141 ng
RT: 7.91 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

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

Tot Ion:128 Resp: 416162
Ion Ratio Lower Upper
128 100
129 11.0 9.6 14.4
127 12.9 11.4 17.0

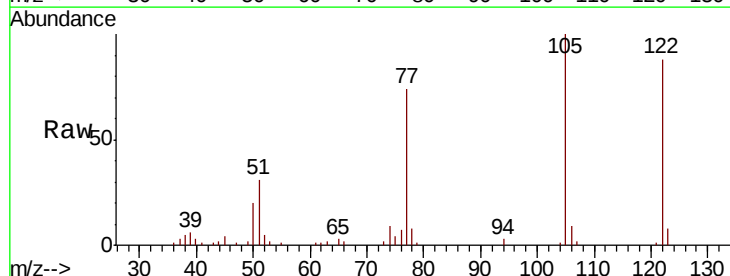


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

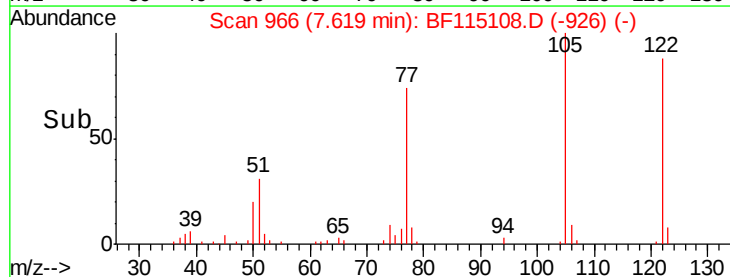
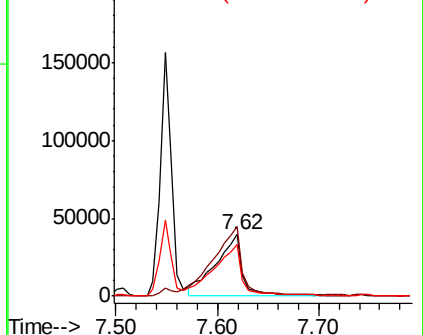


#32
Benzoic acid
Concen: 7.661 ng
RT: 7.62 min Scan# 966
Delta R.T. -0.06 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion:122 Resp: 73452
Ion Ratio Lower Upper
122 100
105 113.6 98.2 138.2
77 84.6 67.0 107.0



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

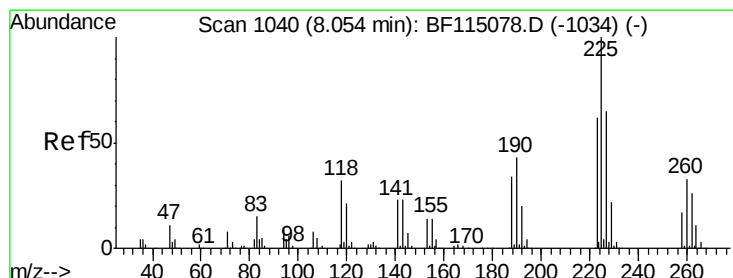
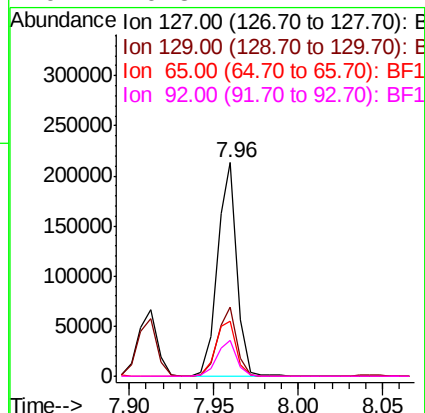
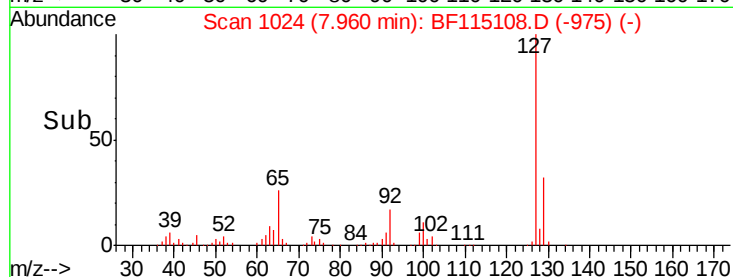
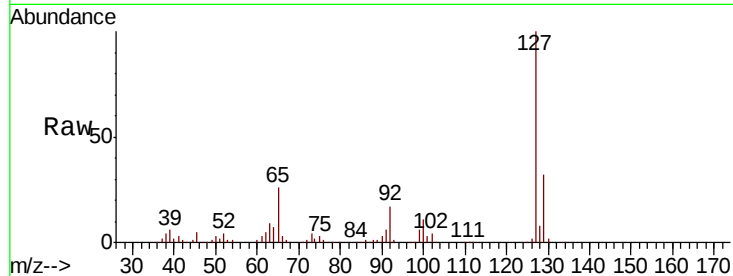




#33
4-Chloroaniline
Concen: 8.204 ng
RT: 7.96 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

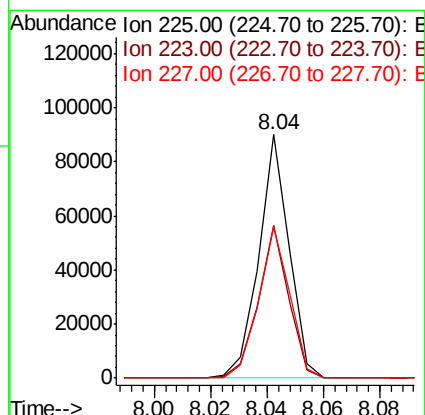
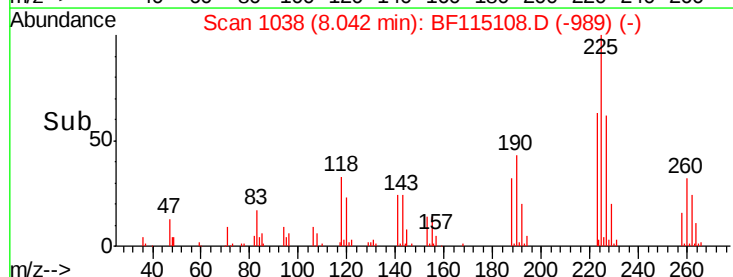
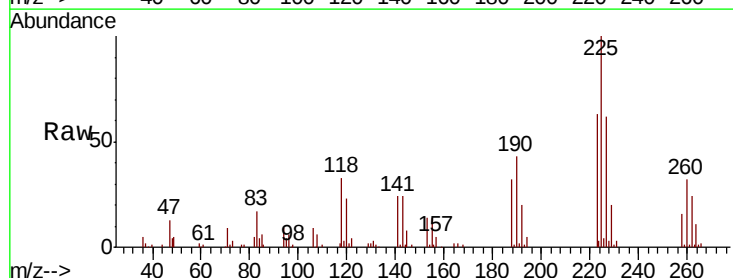
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

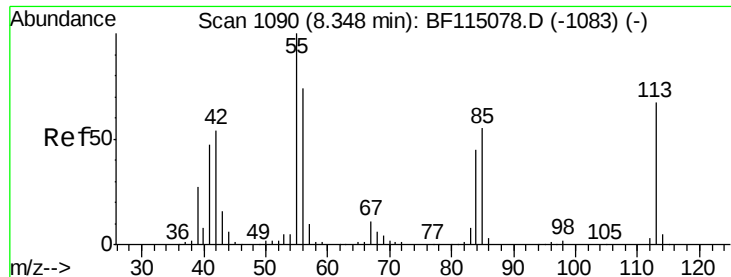
Tot Ion:	127	Resp:	170709
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	26.0	21.4	32.2
92	16.8	14.1	21.1



#34
Hexachlorobutadiene
Concen: 7.961 ng
RT: 8.04 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion:	225	Resp:	66791
Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.4	74.2
227	62.2	51.8	77.8

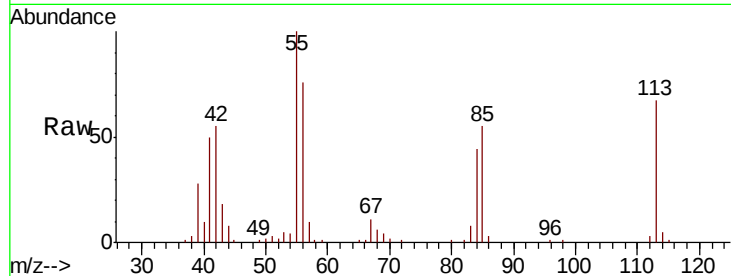




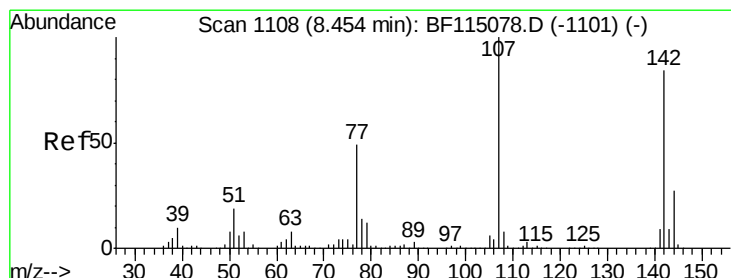
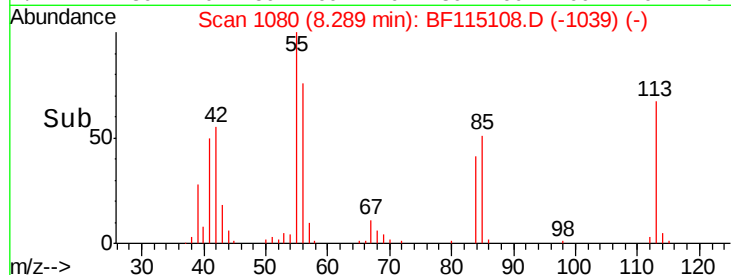
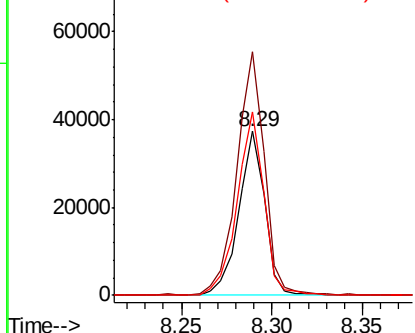
#35
Caprolactam
Concen: 7.986 ng
RT: 8.29 min Scan# 1080
Delta R.T. -0.06 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

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

Tot Ion:113 Resp: 37216
Ion Ratio Lower Upper
113 100
55 148.3 130.2 170.2
56 112.0 91.6 131.6

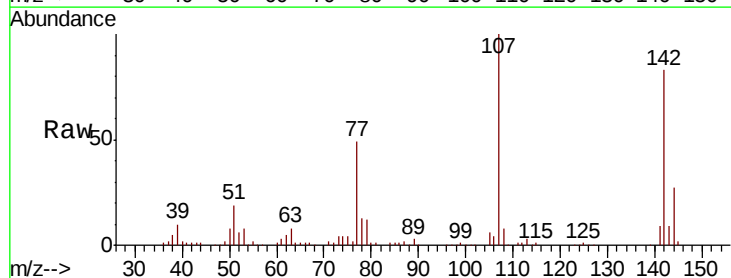


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

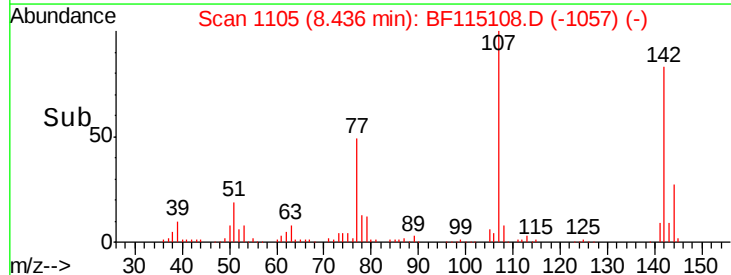
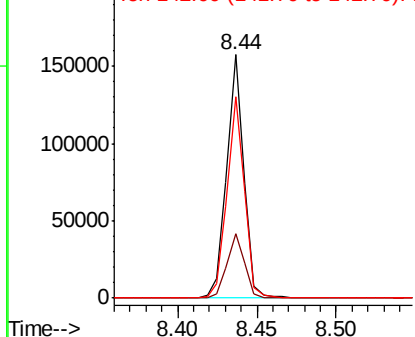


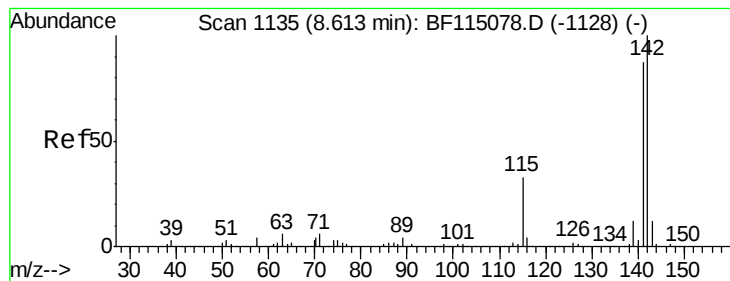
#36
4-Chloro-3-methylphenol
Concen: 8.407 ng
RT: 8.44 min Scan# 1105
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion:107 Resp: 118007
Ion Ratio Lower Upper
107 100
144 26.5 21.7 32.5
142 82.7 67.0 100.4



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: 9.182 ng

RT: 8.60 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

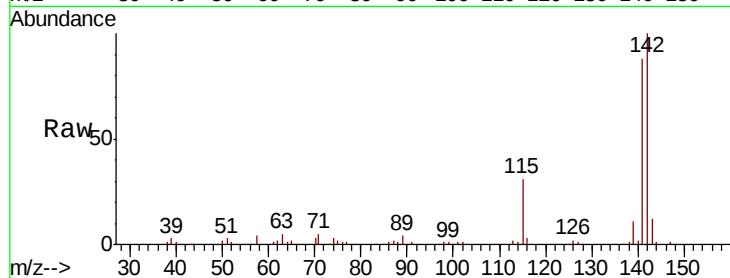
Tot Ion:142 Resp: 281873

Ion Ratio Lower Upper

142 100

141 88.0 69.8 104.6

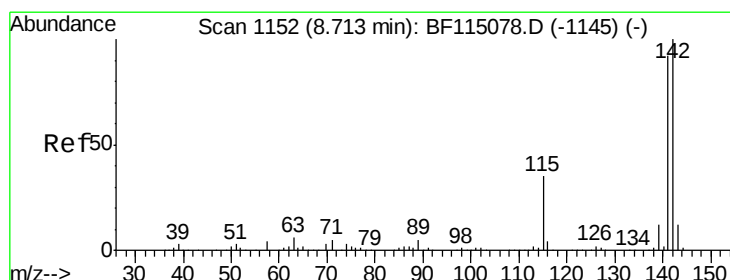
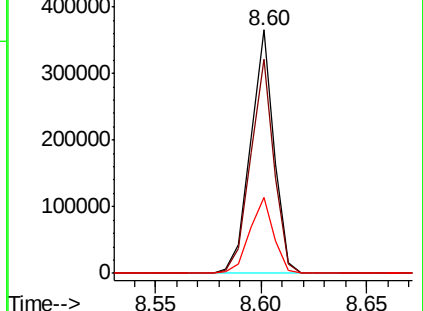
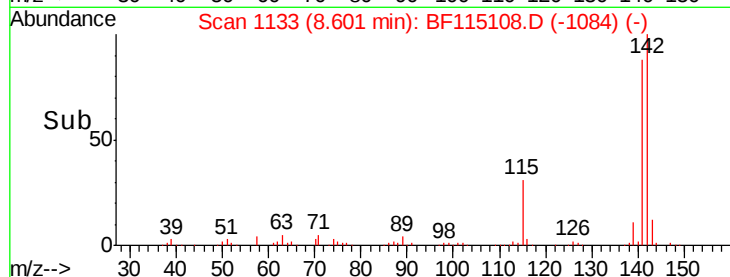
115 31.4 26.7 40.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 9.179 ng

RT: 8.70 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

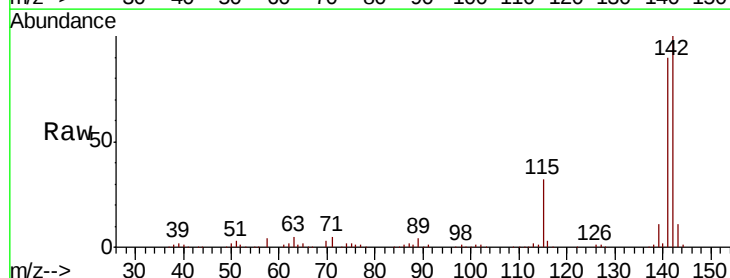
Tgt Ion:142 Resp: 269128

Ion Ratio Lower Upper

142 100

141 90.3 73.8 110.8

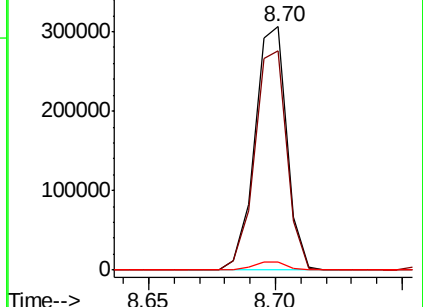
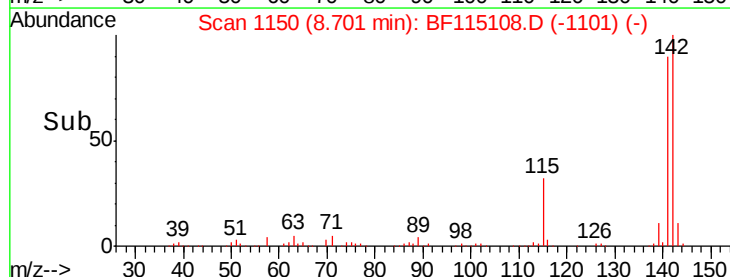
116 3.2 2.8 4.2

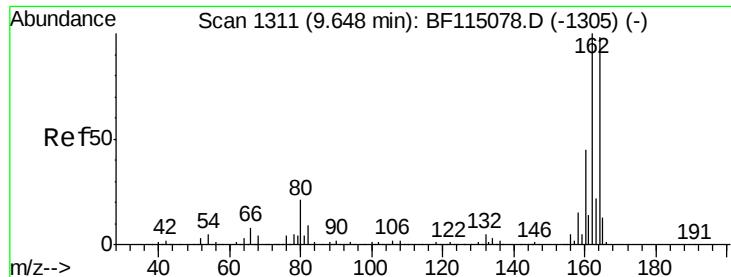


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

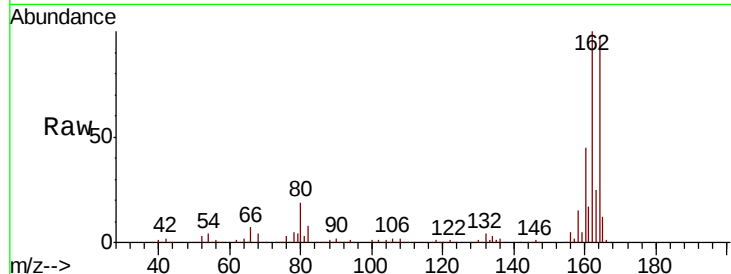




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.7	122.5
160	46.3	37.0	55.4

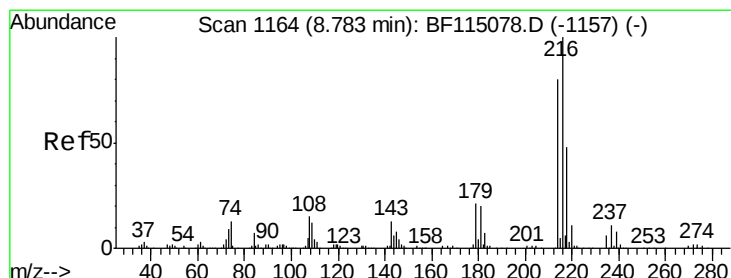
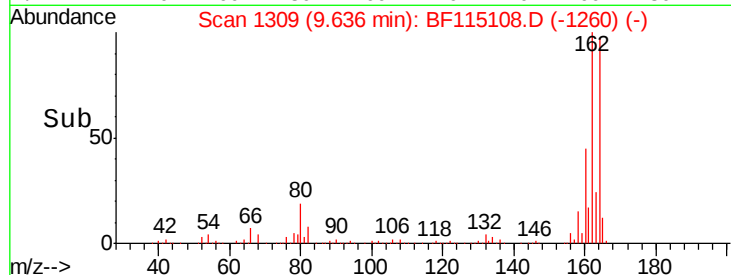
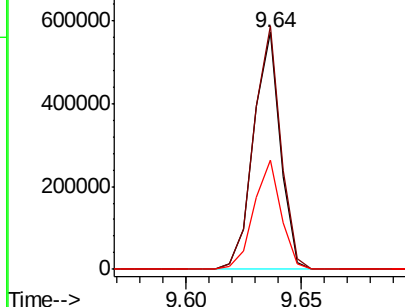


Abundance

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: 9.597 ng
RT: 8.77 min Scan# 1161
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.8	95.6
179	21.7	17.6	26.4
108	19.0	15.7	23.5

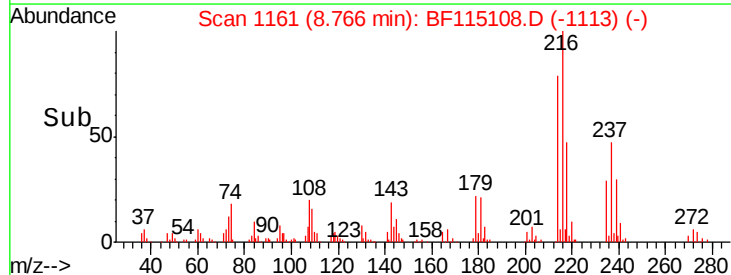
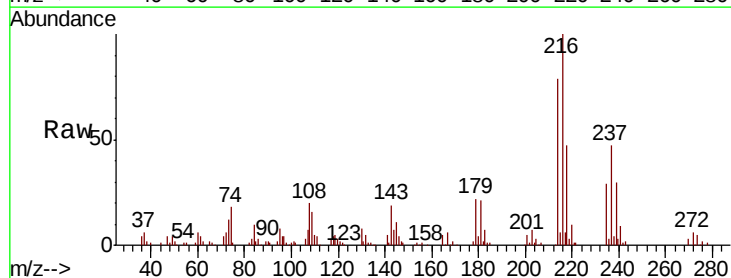
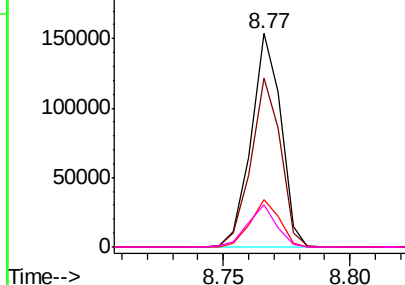
Abundance

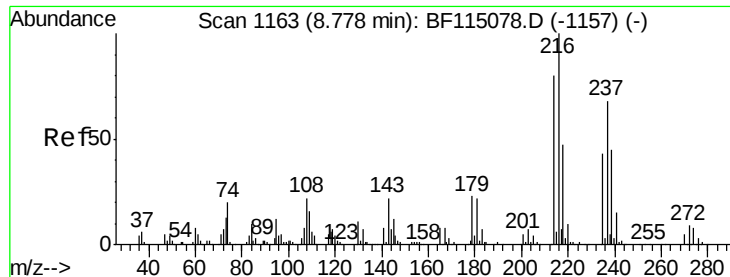
Ion 216.00 (215.70 to 216.70): E

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: 8.109 ng

RT: 8.77 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

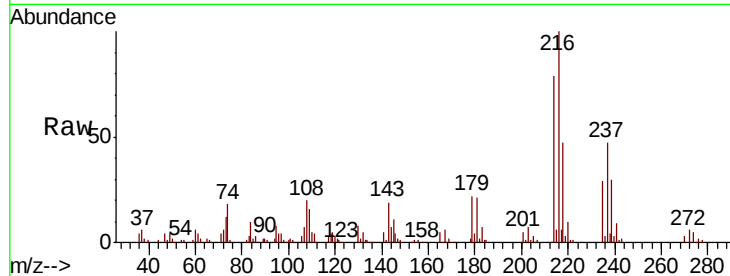
Tot Ion:237 Resp: 63318

Ion Ratio Lower Upper

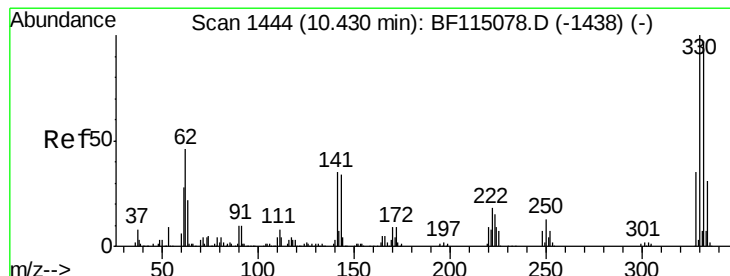
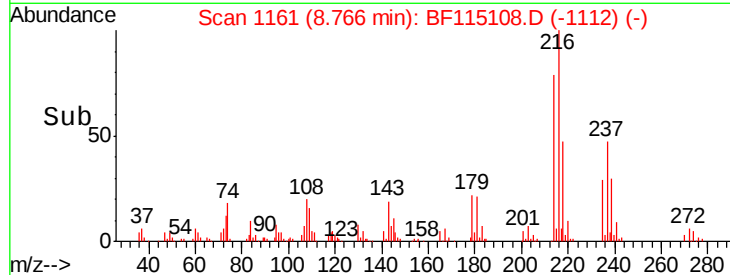
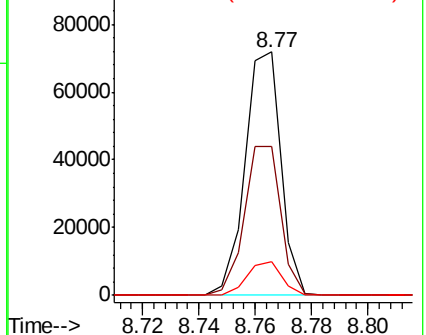
237 100

235 61.2 43.9 83.9

272 13.7 0.0 33.8



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: 128.647 ng

RT: 10.42 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

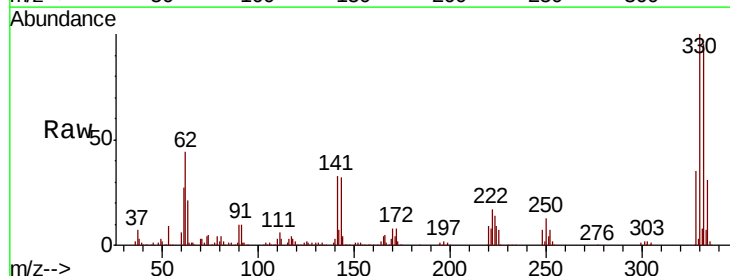
Tgt Ion:330 Resp: 632154

Ion Ratio Lower Upper

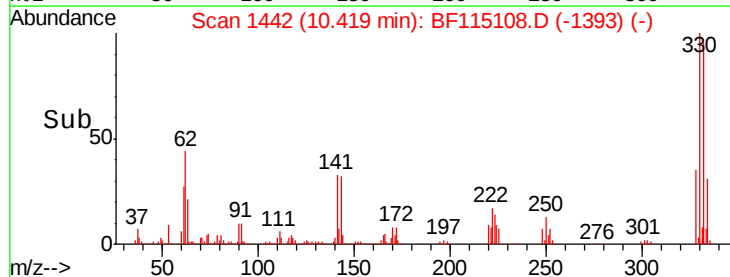
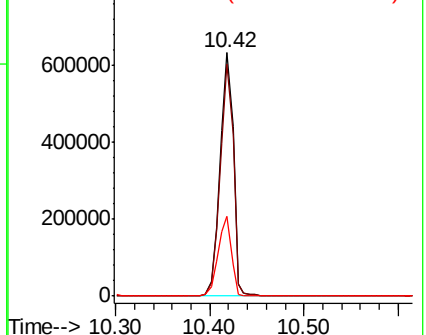
330 100

332 95.0 77.3 115.9

141 32.8 28.2 42.2



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

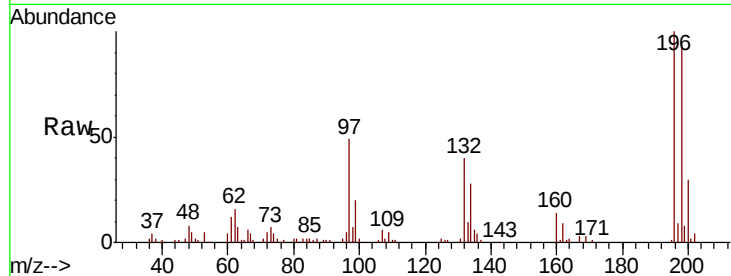




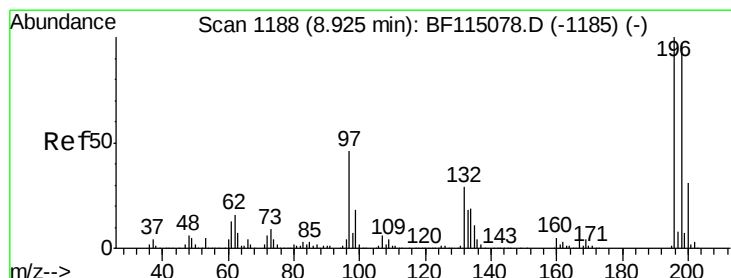
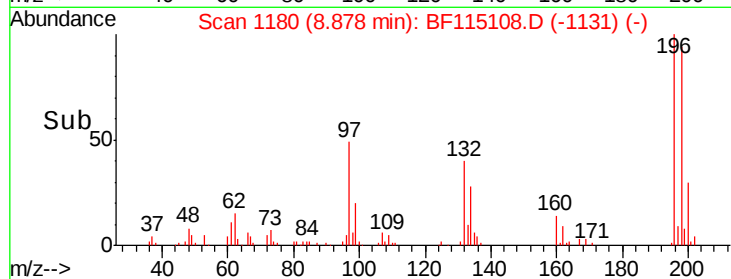
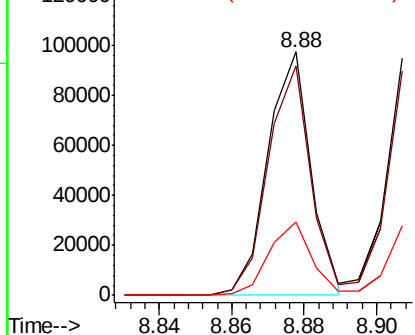
#43
 2,4,6-Trichlorophenol
 Concen: 7.915 ng
 RT: 8.88 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF115108.D
 Acq: 22 Jun 2019 9:28

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

Tot Ion:196 Resp: 80467
 Ion Ratio Lower Upper
 196 100
 198 94.1 76.3 114.5
 200 30.4 24.2 36.4



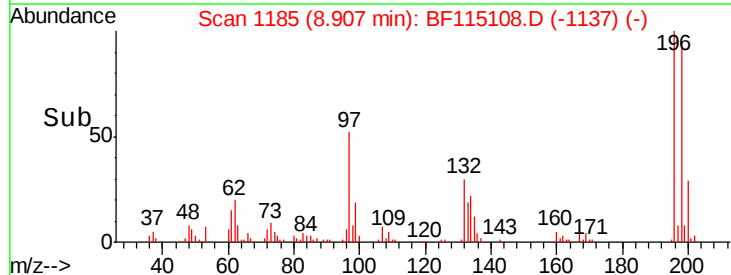
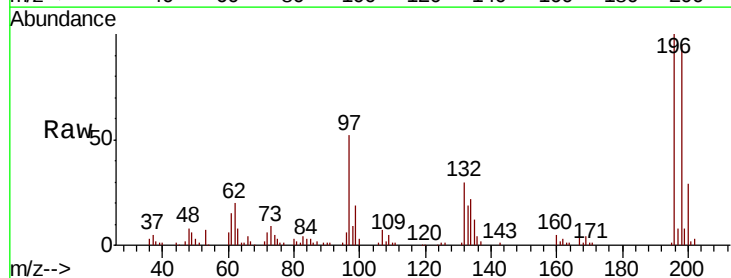
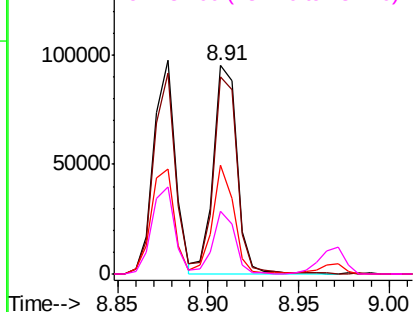
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

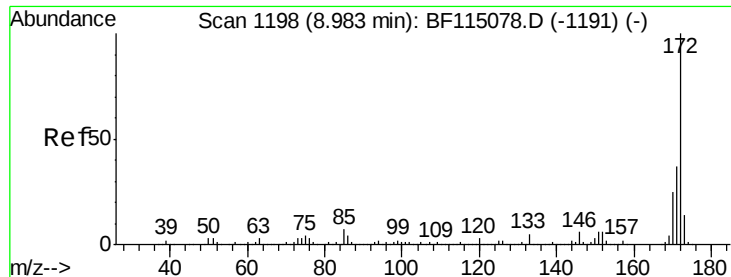


#44
 2,4,5-Trichlorophenol
 Concen: 8.297 ng
 RT: 8.91 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF115108.D
 Acq: 22 Jun 2019 9:28

Tgt Ion:196 Resp: 86856
 Ion Ratio Lower Upper
 196 100
 198 94.5 77.1 115.7
 97 52.3 37.7 56.5
 132 30.2 23.1 34.7

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

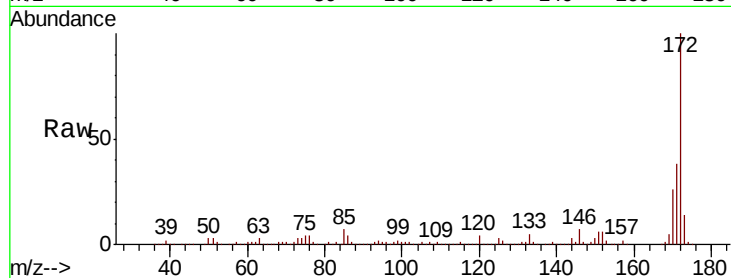




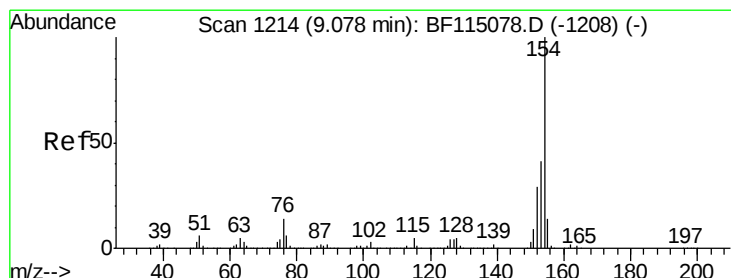
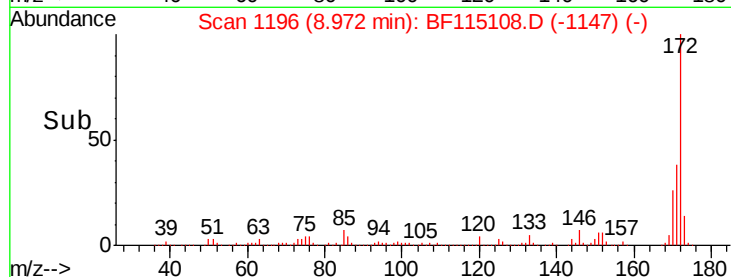
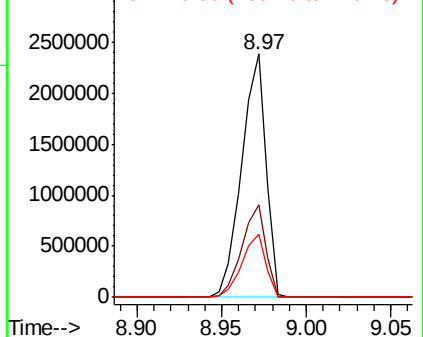
#45
2-Fluorobiphenyl
Concen: 87.817 ng
RT: 8.97 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

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

Tot Ion:172 Resp: 2409035
Ion Ratio Lower Upper
172 100
171 37.8 29.8 44.6
170 26.1 20.3 30.5

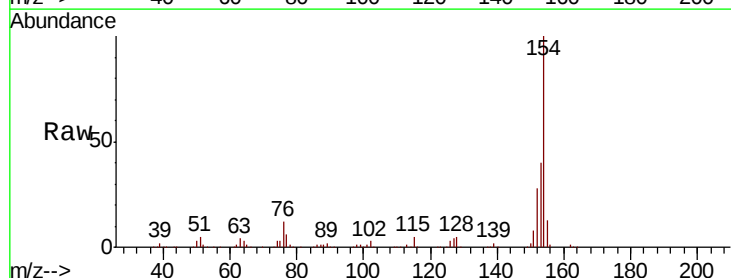


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

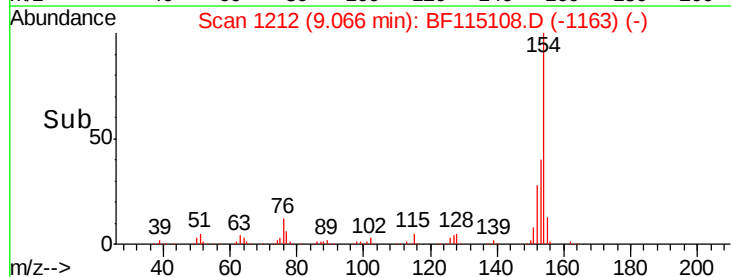
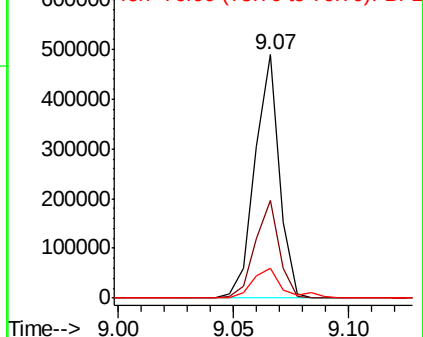


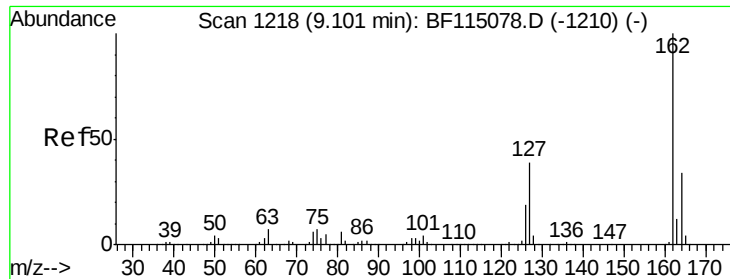
#46
1,1'-Biphenyl
Concen: 9.691 ng
RT: 9.07 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion:154 Resp: 361315
Ion Ratio Lower Upper
154 100
153 39.9 20.9 60.9
76 12.3 0.0 34.1



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

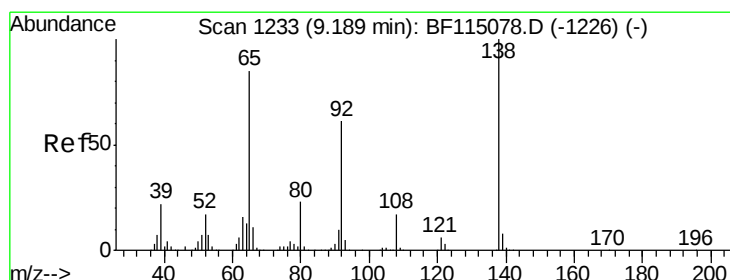
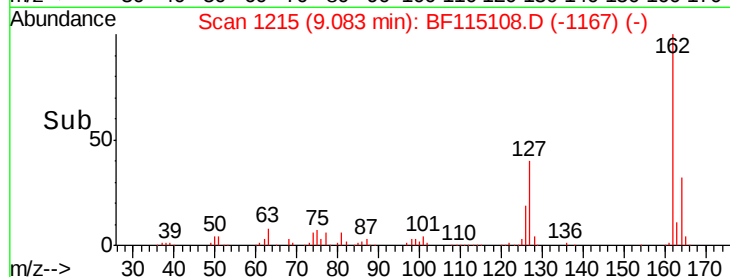
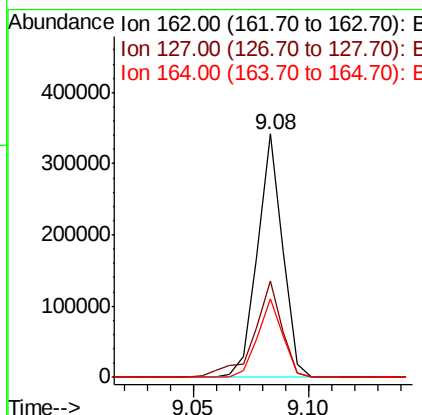
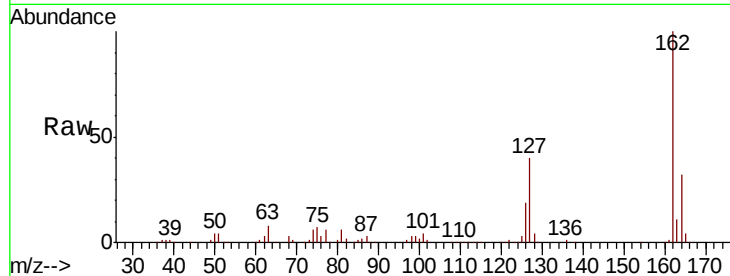




#47
2-Chloronaphthalene
Concen: 8.635 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

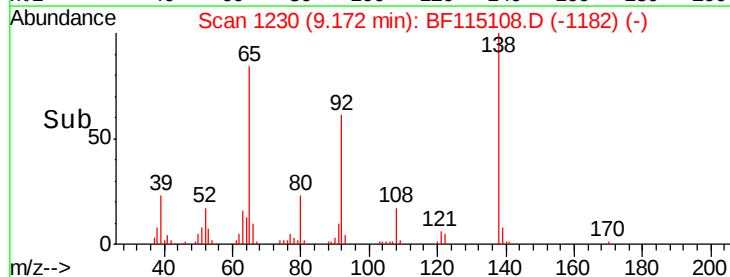
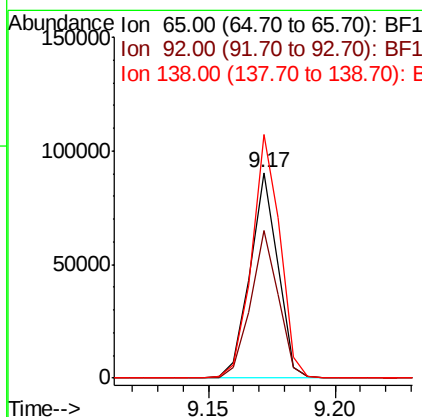
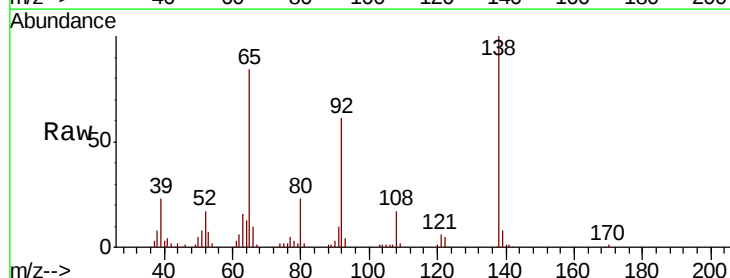
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

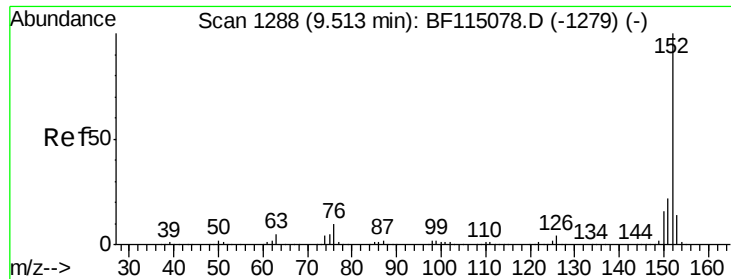
Tot Ion:162 Resp: 261153
Ion Ratio Lower Upper
162 100
127 39.6 30.8 46.2
164 32.4 27.0 40.4



#48
2-Nitroaniline
Concen: 7.857 ng
RT: 9.17 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion: 65 Resp: 69275
Ion Ratio Lower Upper
65 100
92 71.7 57.4 86.2
138 118.5 94.1 141.1





#49

Acenaphthylene

Concen: 8.939 ng

RT: 9.50 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

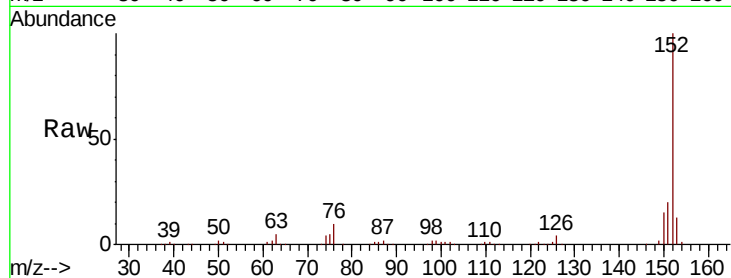
Tot Ion:152 Resp: 421200

Ion Ratio Lower Upper

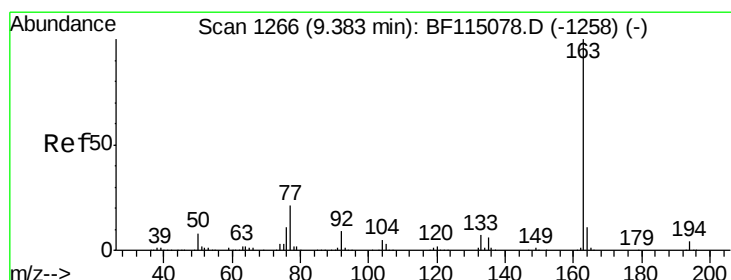
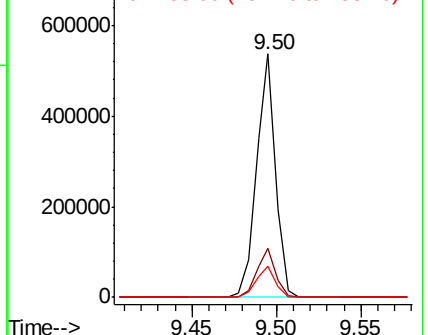
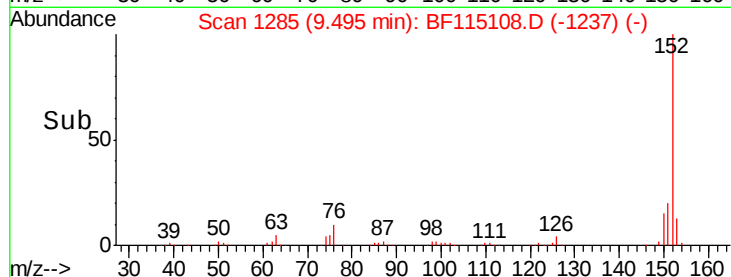
152 100

151 20.1 17.2 25.8

153 13.0 11.0 16.6



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



#50

Dimethylphthalate

Concen: 8.730 ng

RT: 9.37 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

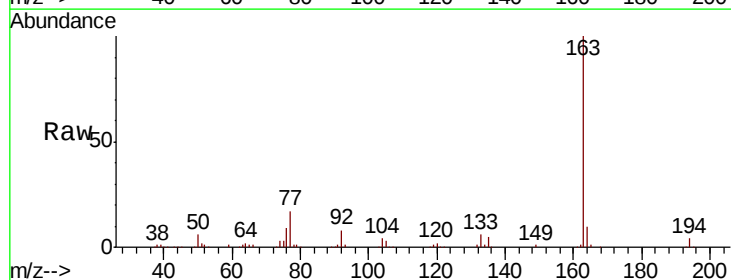
Tgt Ion:163 Resp: 299298

Ion Ratio Lower Upper

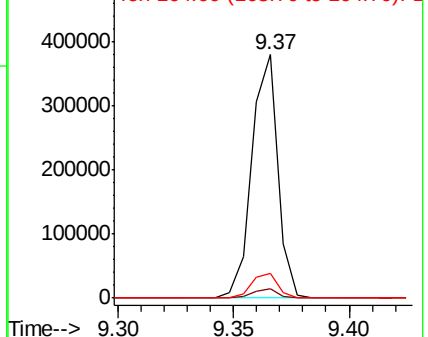
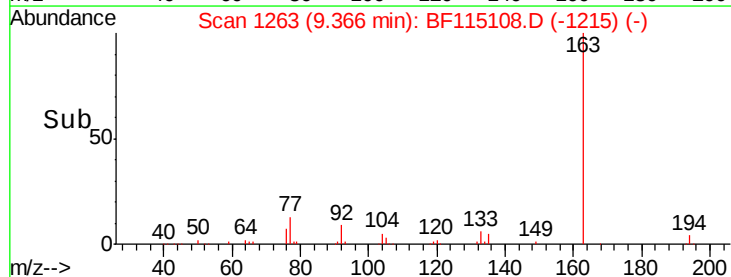
163 100

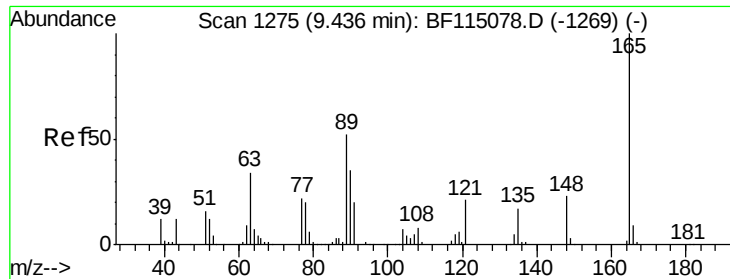
194 3.9 3.2 4.8

164 10.1 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

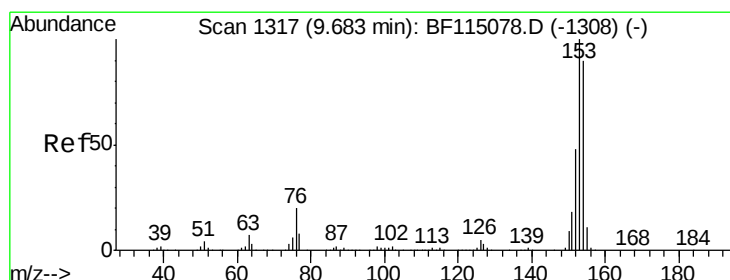
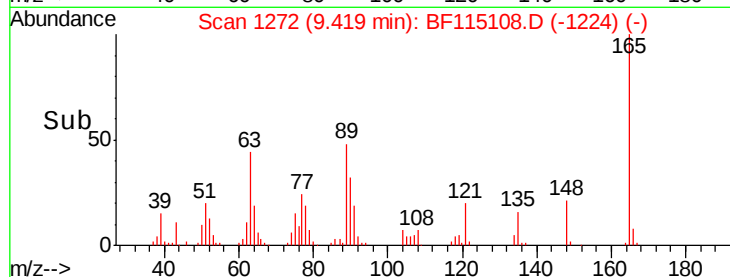
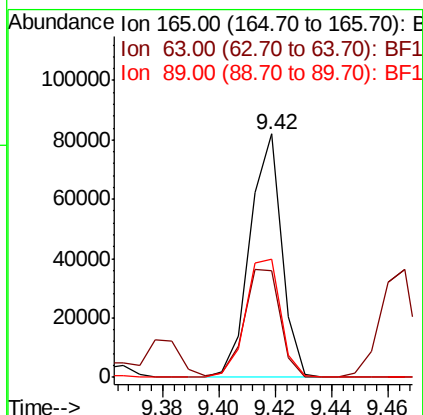
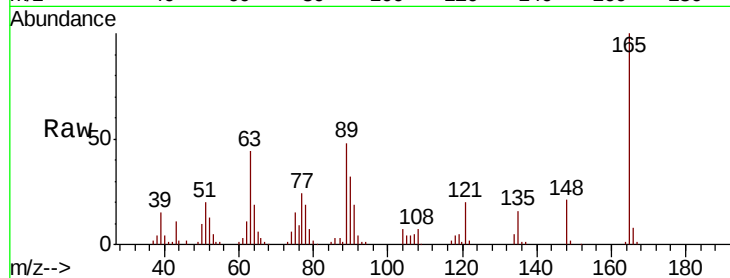




#51
2,6-Dinitrotoluene
Concen: 8.083 ng
RT: 9.42 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

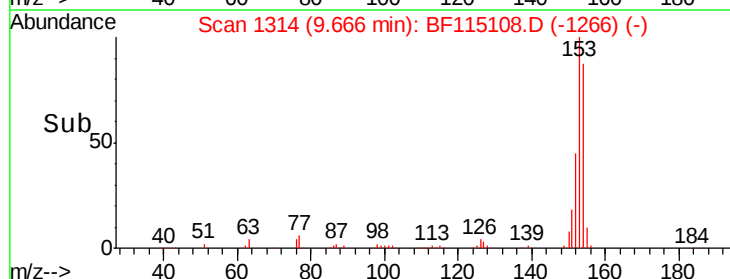
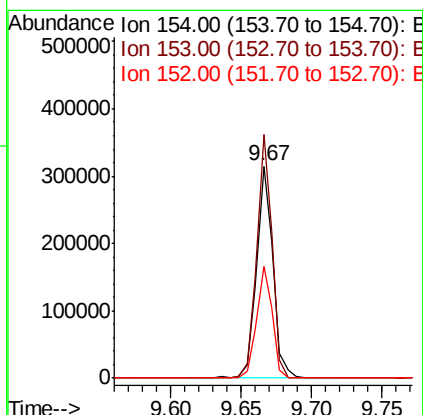
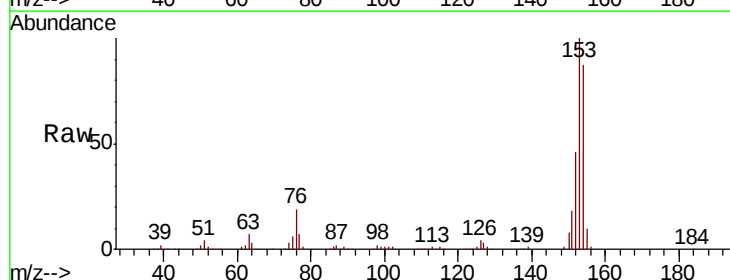
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

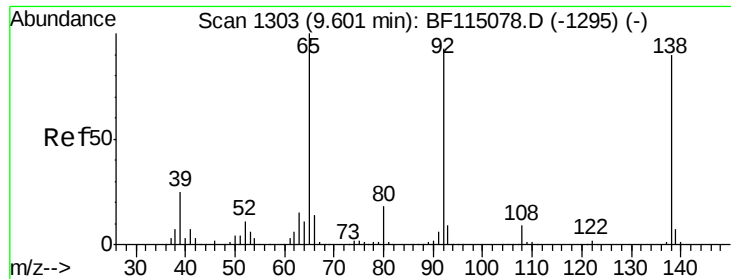
Tot Ion	Ratio	Lower	Upper
165	100		
63	43.6	39.4	59.2
89	48.3	42.0	63.0



#52
Acenaphthene
Concen: 8.765 ng
RT: 9.67 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.9	88.7	133.1
152	52.9	42.6	64.0

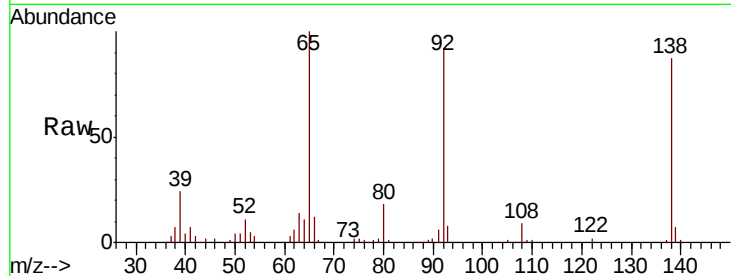




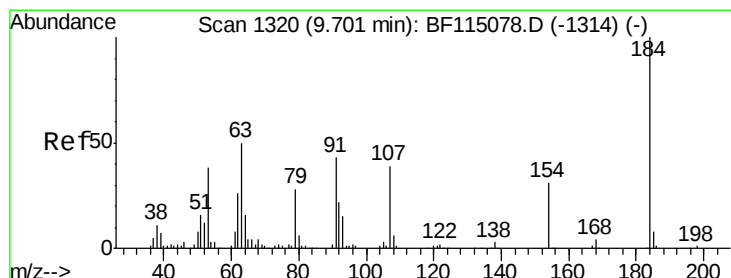
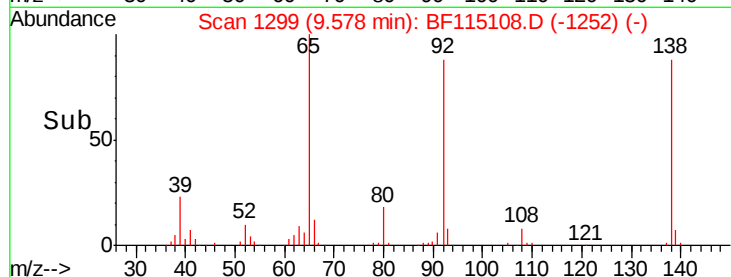
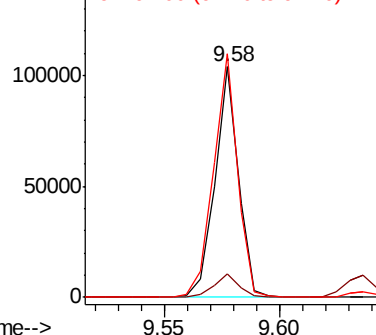
#53
3-Nitroaniline
Concen: 7.634 ng
RT: 9.58 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

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

Tot Ion:138 Resp: 73730
Ion Ratio Lower Upper
138 100
108 10.0 7.8 11.6
92 105.7 82.9 124.3

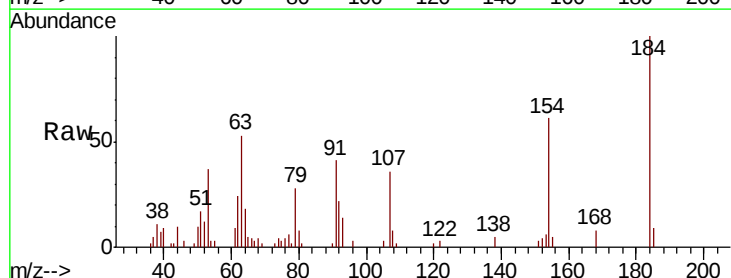


Abundance Ion 138.00 (137.70 to 138.70): E
150000
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

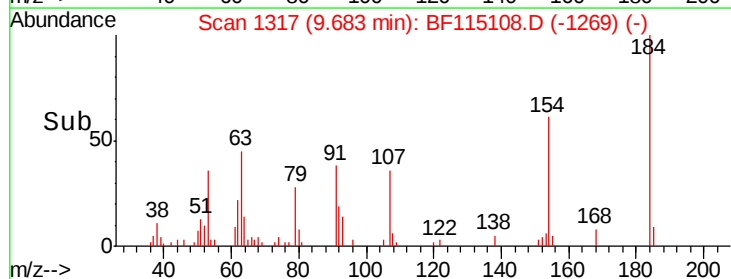
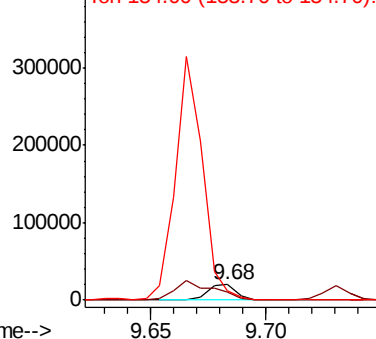


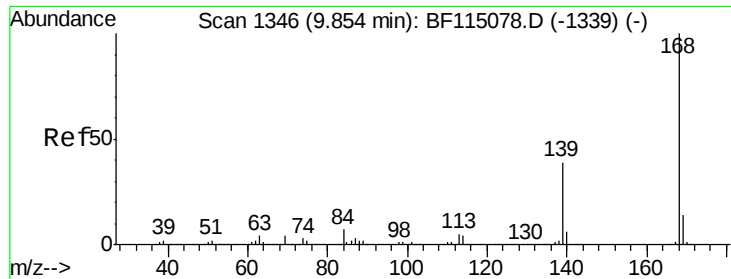
#54
2,4-Dinitrophenol
Concen: 11.311 ng
RT: 9.68 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion:184 Resp: 17790
Ion Ratio Lower Upper
184 100
63 52.6 41.9 62.9
154 61.4 44.7 67.1



Abundance Ion 184.00 (183.70 to 184.70): E
400000
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 8.876 ng

RT: 9.84 min Scan# 1343

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

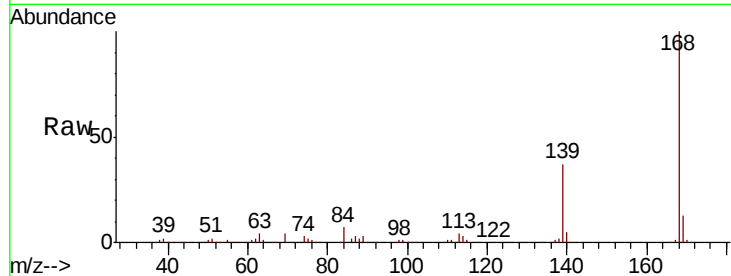
Tot Ion:168 Resp: 375630

Ion Ratio Lower Upper

168 100

139 37.4 31.1 46.7

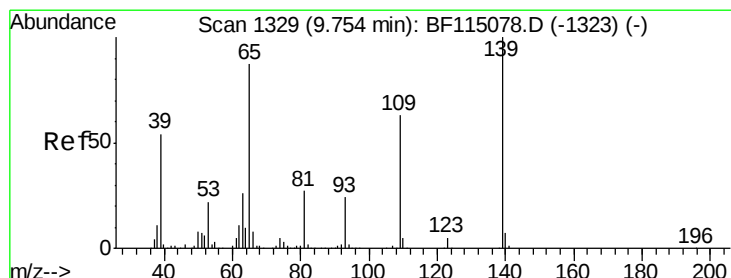
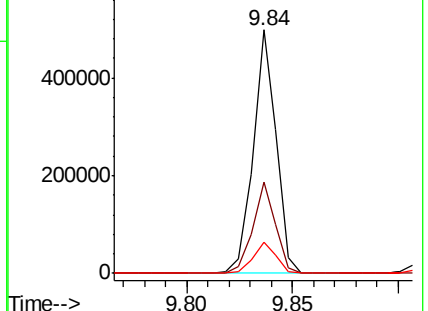
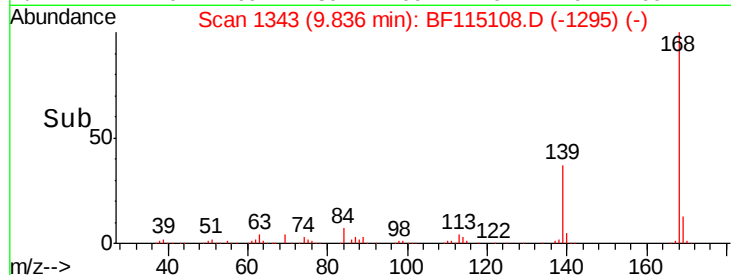
169 13.0 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 7.202 ng

RT: 9.73 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

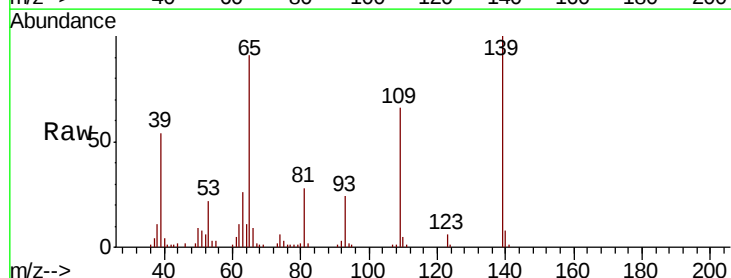
Tgt Ion:139 Resp: 55767

Ion Ratio Lower Upper

139 100

109 65.8 43.0 83.0

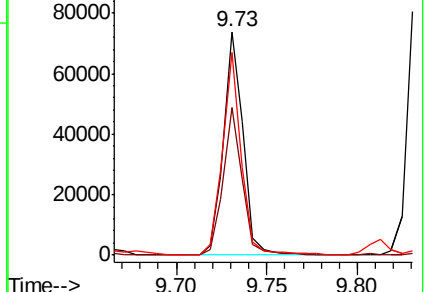
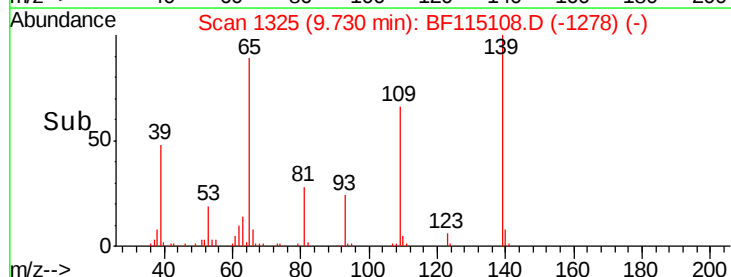
65 90.8 67.0 107.0

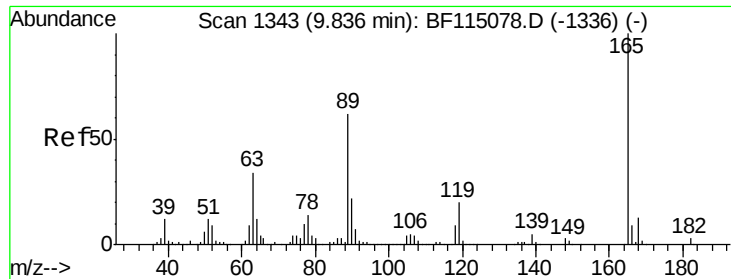


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

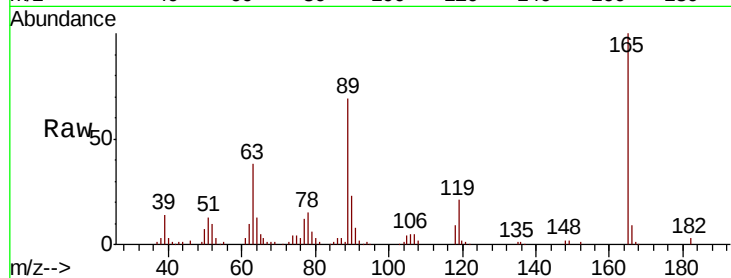




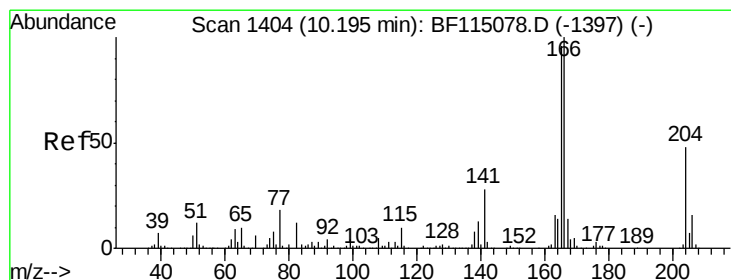
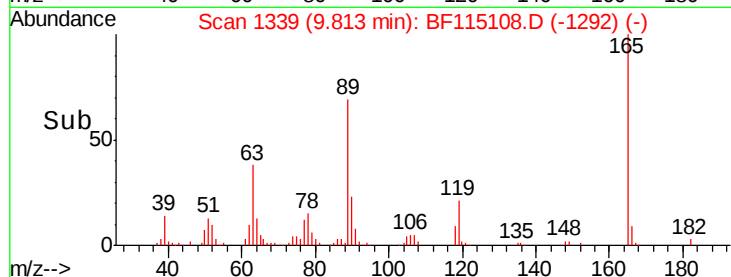
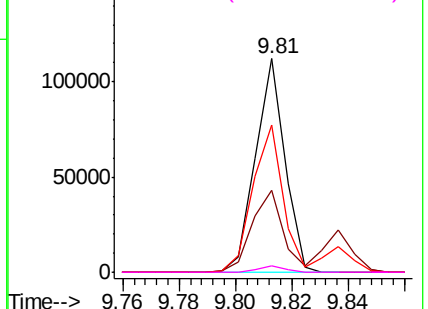
#57
2,4-Dinitrotoluene
Concen: 7.922 ng
RT: 9.81 min Scan# 1339
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

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

Tot Ion:165	Resp:	80959
Ion Ratio	Lower	Upper
165	100	
63	38.2	27.5 41.3
89	68.9	49.9 74.9
182	3.0	2.1 3.1

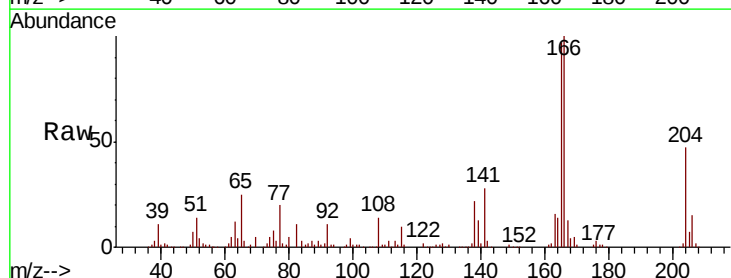


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

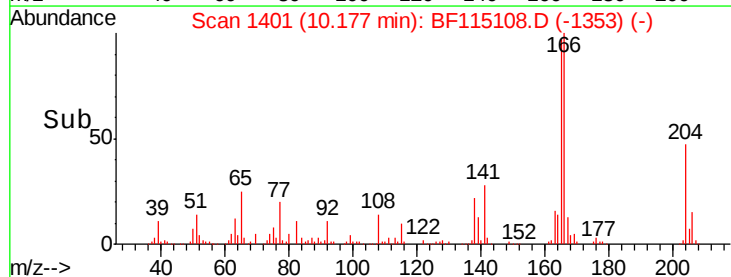
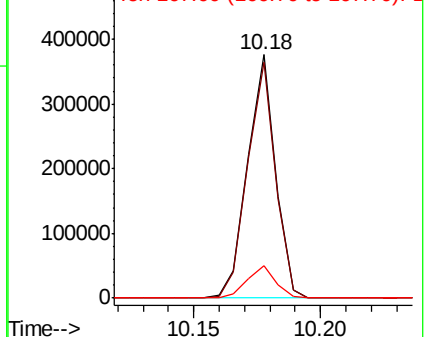


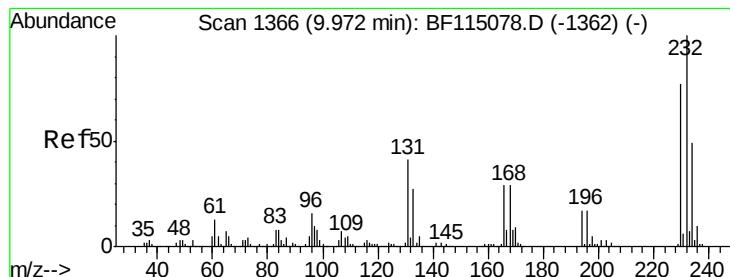
#58
Fluorene
Concen: 4.203 ng
RT: 10.18 min Scan# 1401
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion:166	Resp:	286700
Ion Ratio	Lower	Upper
166	100	
165	97.0	76.5 114.7
167	13.2	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: 8.792 ng

RT: 9.95 min Scan# 1363

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:232 Resp: 77179

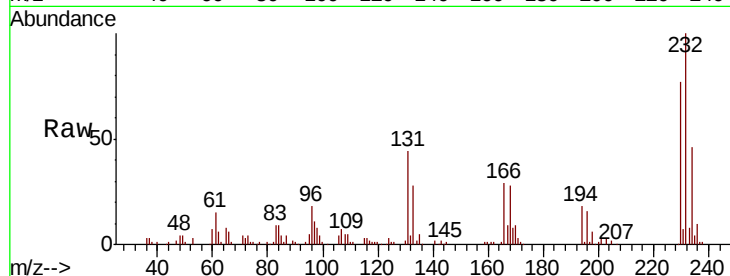
Ion Ratio Lower Upper

232 100

131 44.5 37.4 56.0

130 2.2 1.8 2.6

166 29.7 24.6 36.8

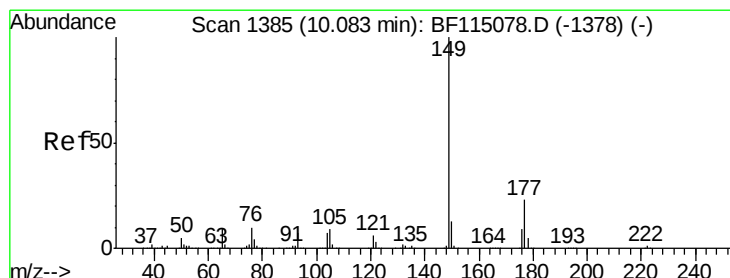
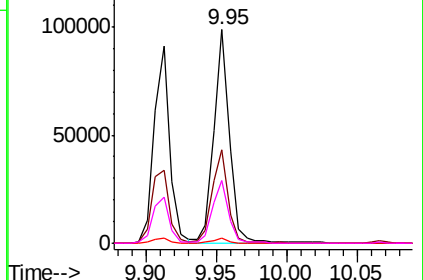
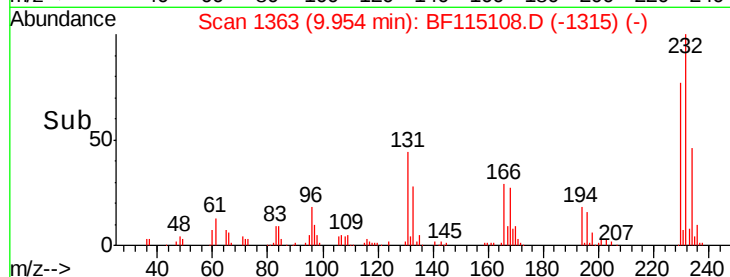


Abundance Ion 232.00 (231.70 to 232.70): E

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: 8.483 ng

RT: 10.07 min Scan# 1382

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

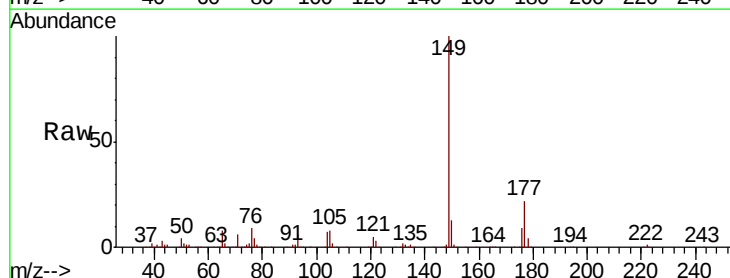
Tgt Ion:149 Resp: 292323

Ion Ratio Lower Upper

149 100

177 21.8 18.7 28.1

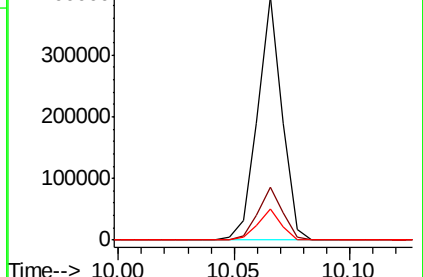
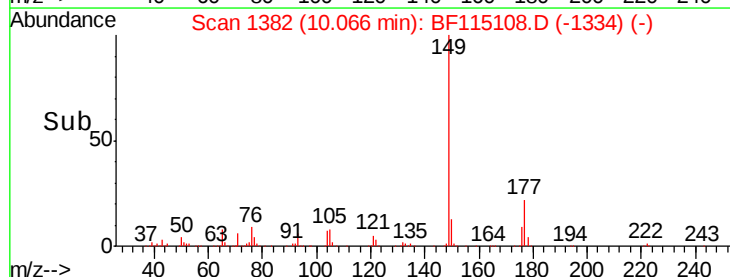
150 12.6 10.4 15.6

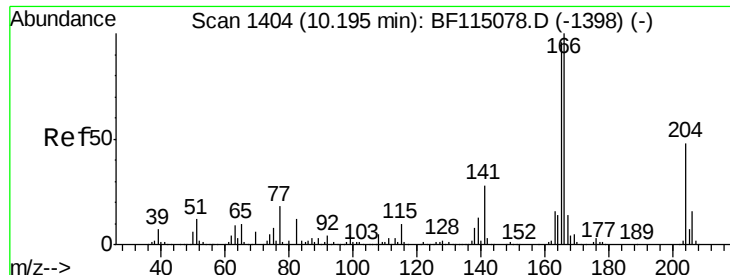


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#61

4-Chlorophenyl-phenylether

Concen: 3.833 ng

RT: 10.18 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

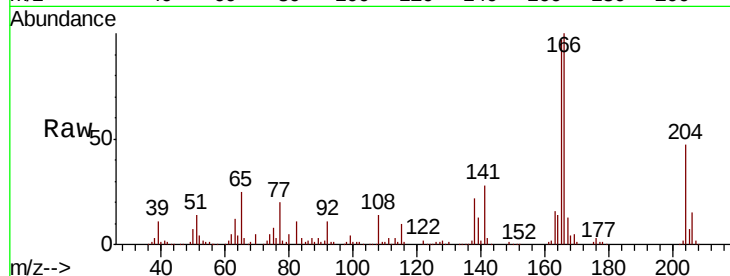
Tot Ion:204 Resp: 134665

Ion Ratio Lower Upper

204 100

206 32.2 26.6 40.0

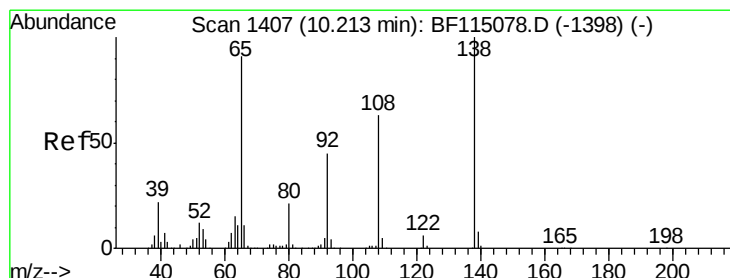
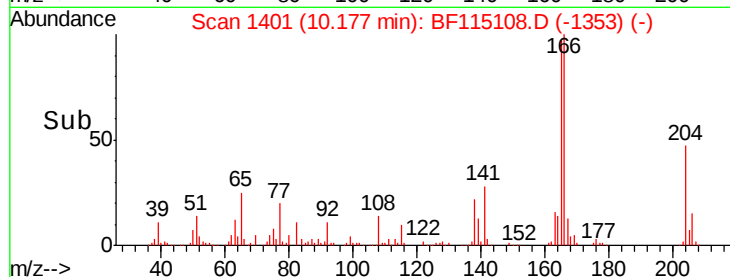
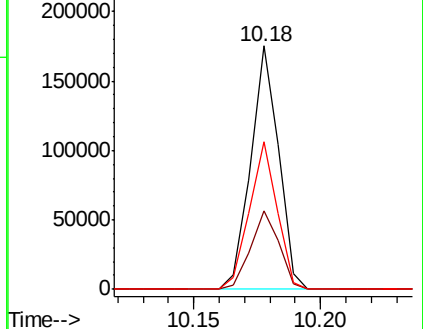
141 60.5 46.7 70.1



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 7.408 ng

RT: 10.18 min Scan# 1401

Delta R.T. -0.04 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

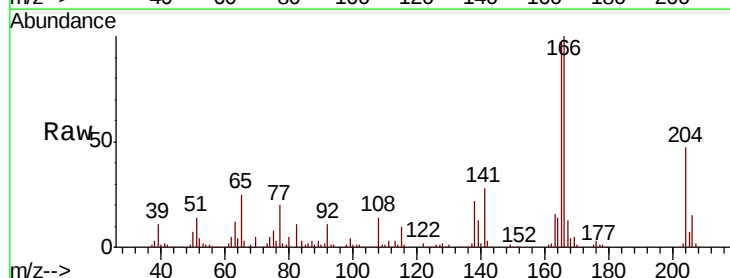
Tgt Ion:138 Resp: 71779

Ion Ratio Lower Upper

138 100

92 46.9 24.8 64.8

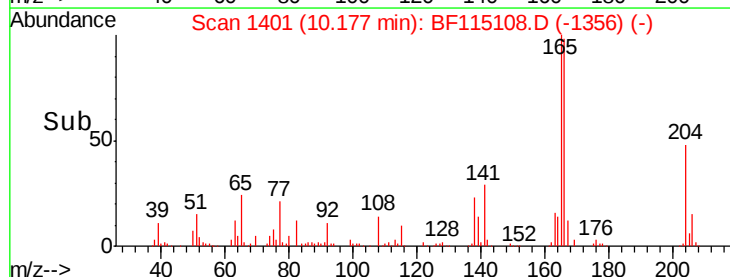
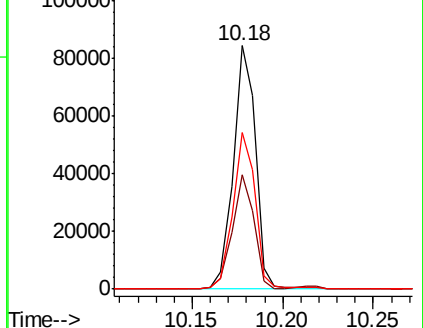
108 64.4 43.3 83.3



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E

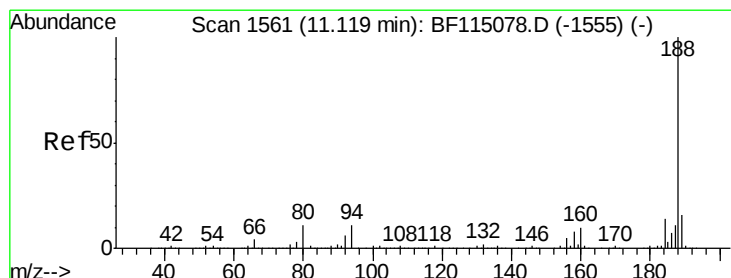
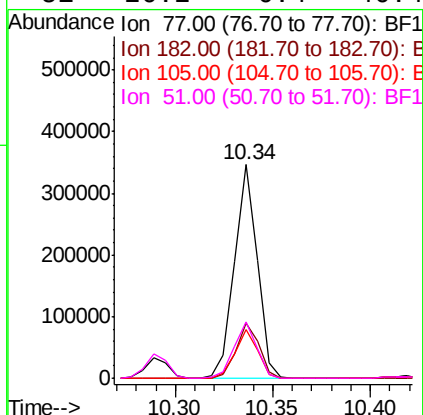
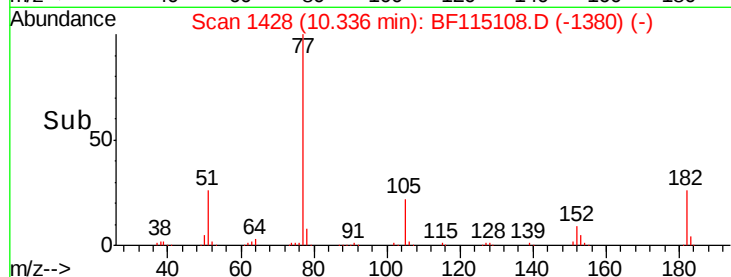
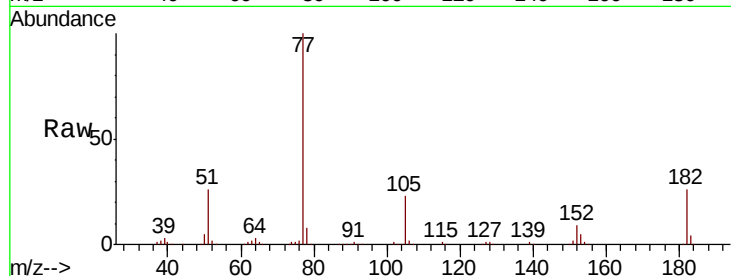




#63
Azobenzene
Concen: 8.758 ng
RT: 10.34 min Scan# 1428
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

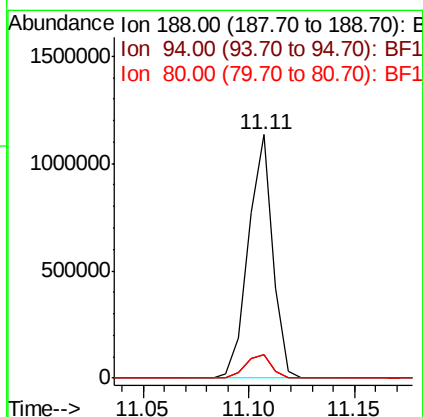
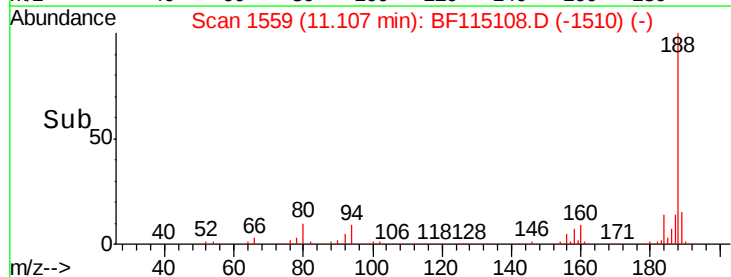
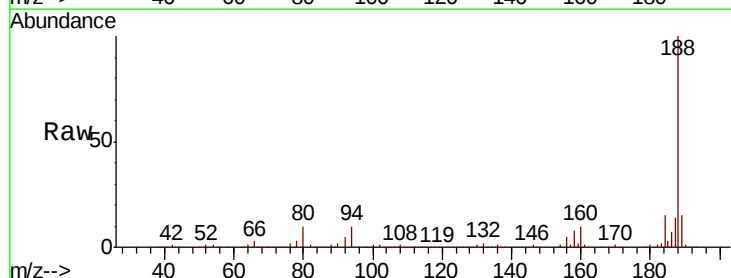
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	25.8	10.1	50.1	
105	23.0	4.5	44.5	
51	26.2	6.4	46.4	



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.7	8.6	12.8	
80	9.9	8.8	13.2	

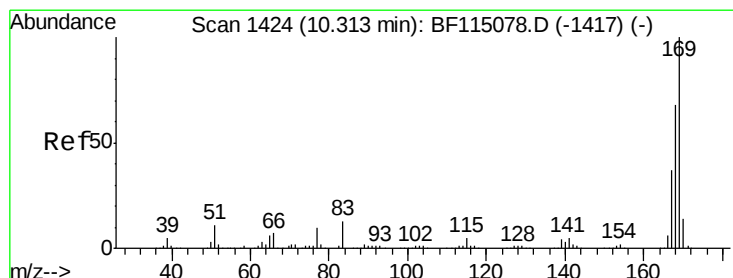
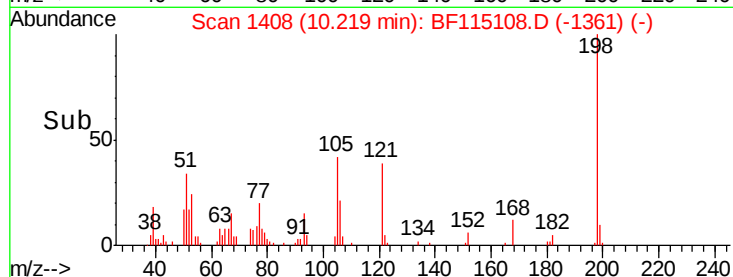
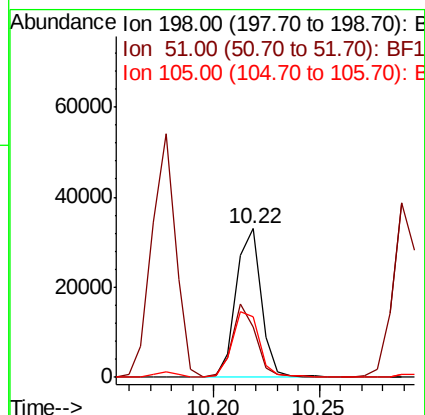
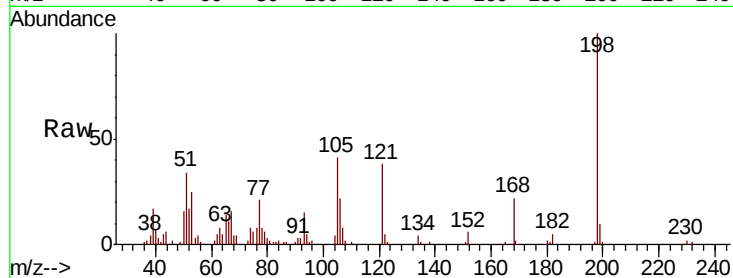




#65
4,6-Dinitro-2-methylphenol
Concen: 10.005 ng
RT: 10.22 min Scan# 1408
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

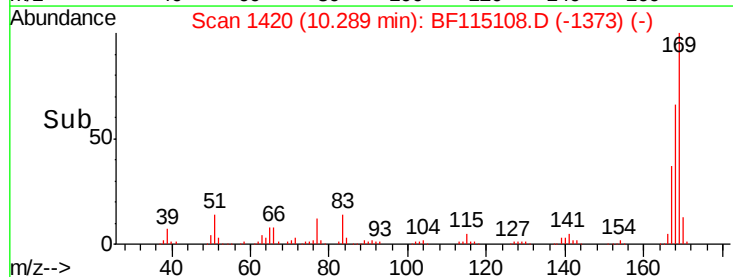
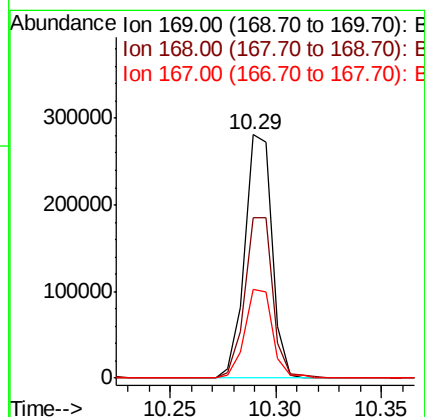
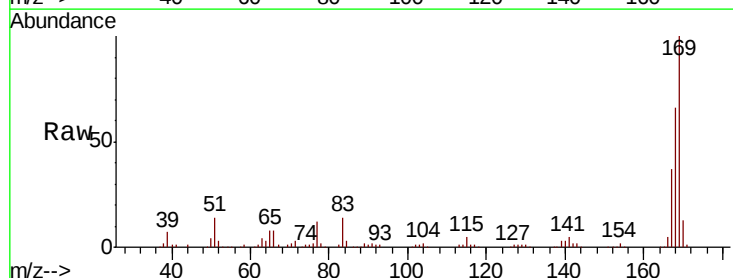
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:198 Resp: 27115
Ion Ratio Lower Upper
198 100
51 33.8 11.0 51.0
105 41.1 17.3 57.3



#66
n-Nitrosodiphenylamine
Concen: 8.882 ng
RT: 10.29 min Scan# 1420
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion:169 Resp: 250636
Ion Ratio Lower Upper
169 100
168 65.9 54.2 81.4
167 36.6 29.4 44.0





#67

4-Bromophenyl-phenylether

Concen: 8.531 ng

RT: 10.66 min Scan# 1483

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampled :

MDL-MDL-SOIL-03-QT2-2019

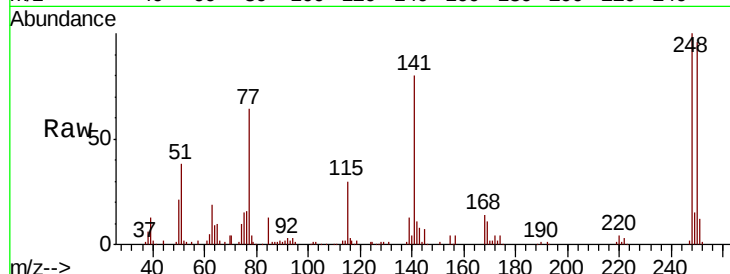
Tot Ion:248 Resp: 83780

Ion Ratio Lower Upper

248 100

250 95.5 76.2 114.2

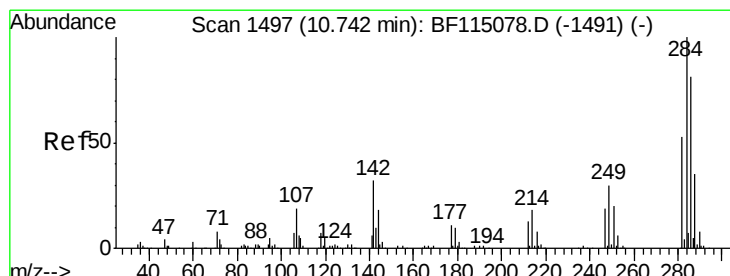
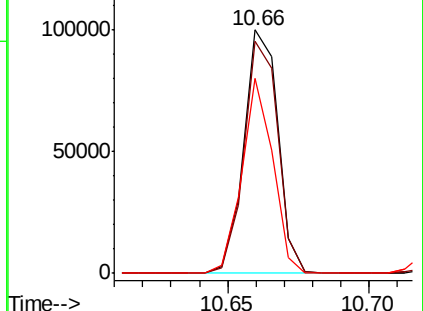
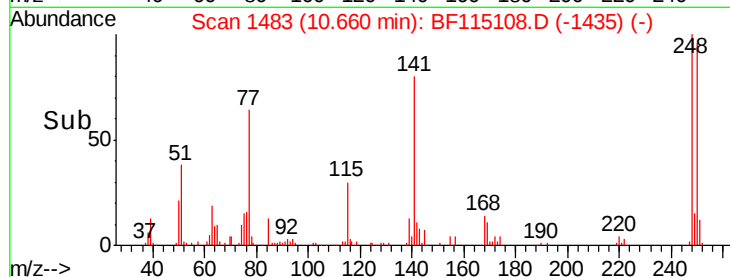
141 80.1 59.6 89.4



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 8.535 ng

RT: 10.72 min Scan# 1494

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

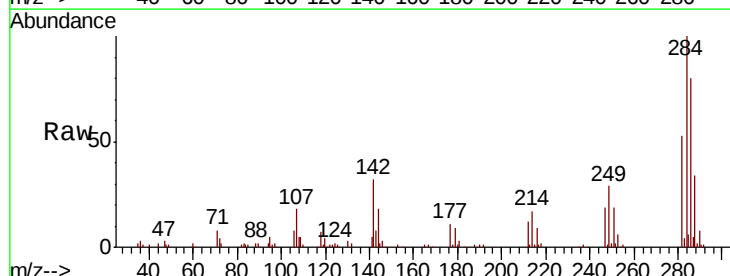
Tgt Ion:284 Resp: 90972

Ion Ratio Lower Upper

284 100

142 31.5 25.8 38.8

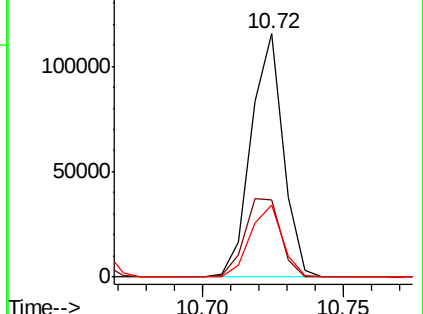
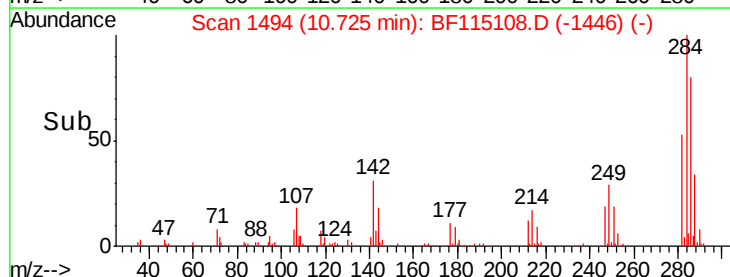
249 29.5 24.2 36.4

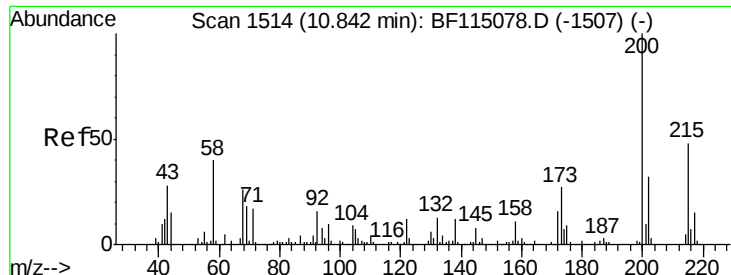


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

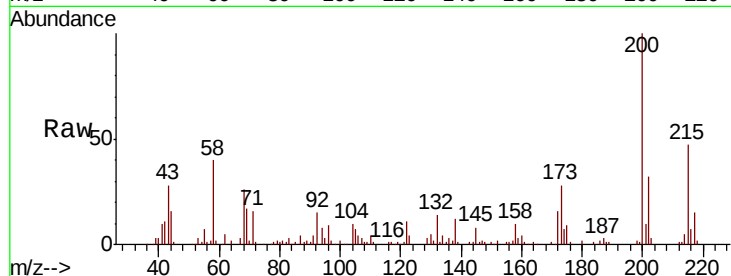




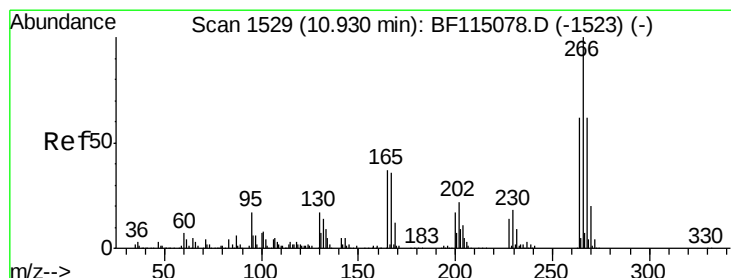
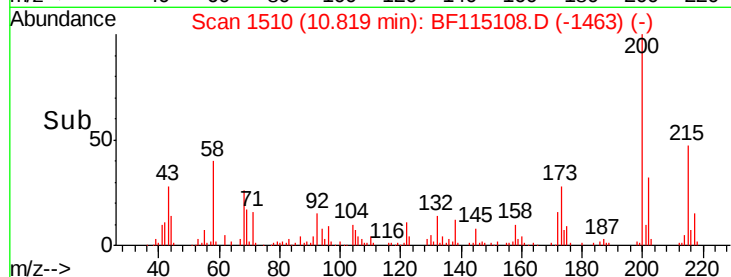
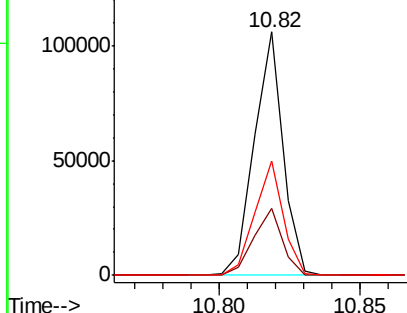
#69
Atrazine
Concen: 8.244 ng
RT: 10.82 min Scan# 1510
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

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

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.8	7.4	47.4
215	47.1	27.8	67.8

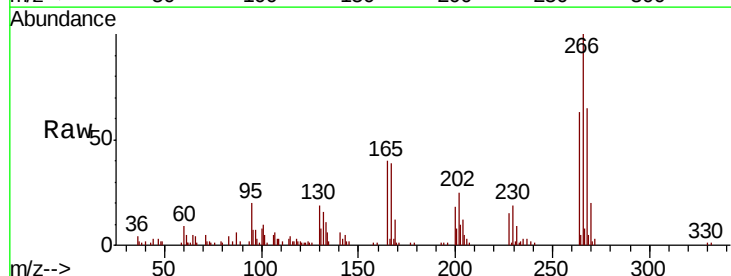


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

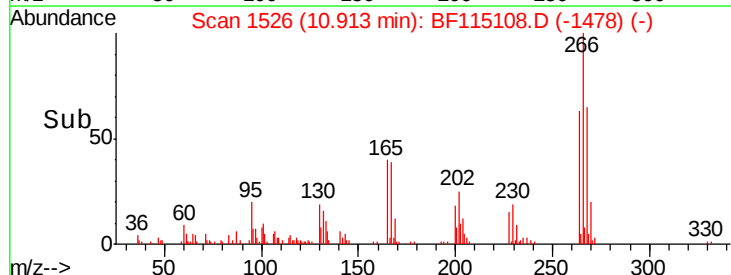
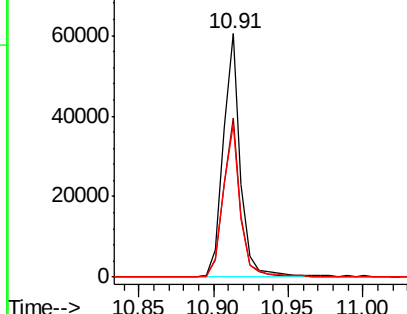


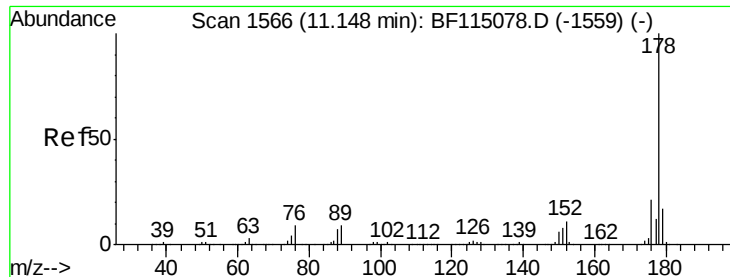
#70
Pentachlorophenol
Concen: 7.317 ng
RT: 10.91 min Scan# 1526
Delta R.T. -0.02 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.4	49.5	74.3
264	62.8	49.3	73.9



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: 9.167 ng

RT: 11.13 min Scan# 1563

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

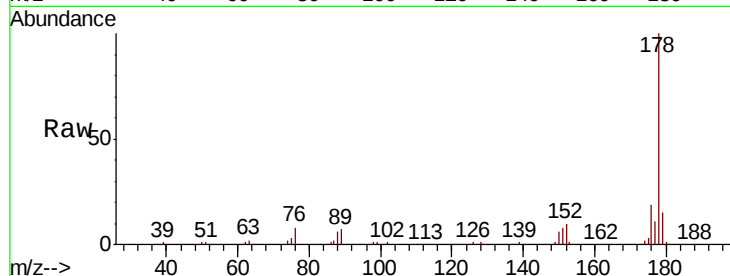
Tot Ion:178 Resp: 447027

Ion Ratio Lower Upper

178 100

176 19.4 16.9 25.3

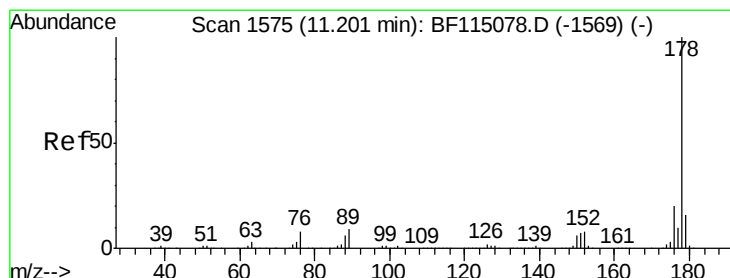
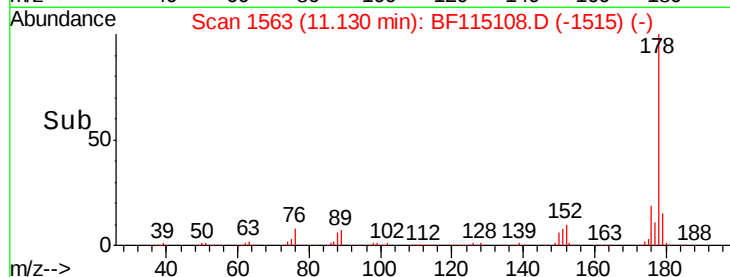
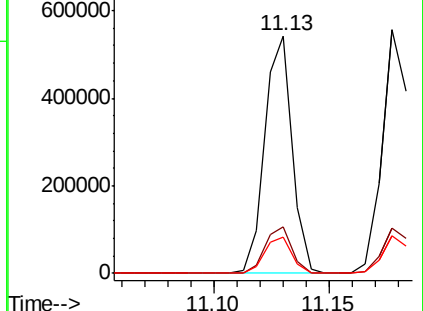
179 15.5 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 9.107 ng

RT: 11.18 min Scan# 1571

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

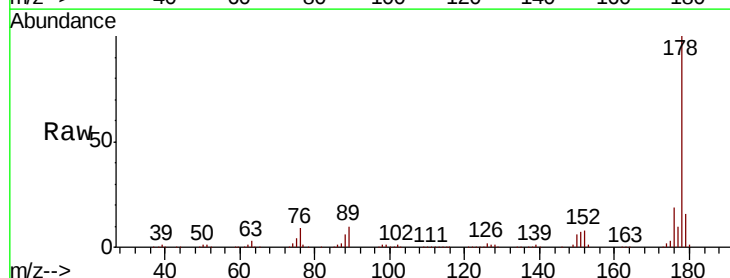
Tgt Ion:178 Resp: 448298

Ion Ratio Lower Upper

178 100

176 18.8 16.1 24.1

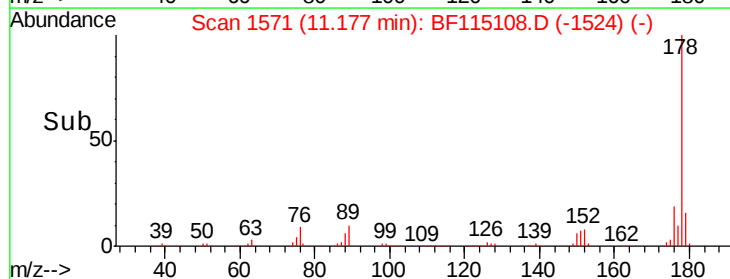
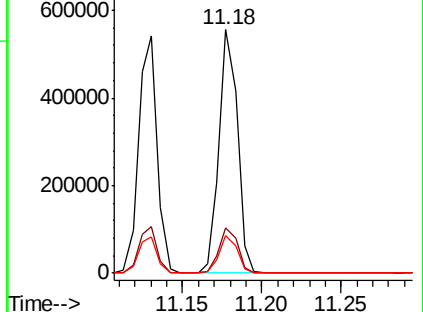
179 15.5 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

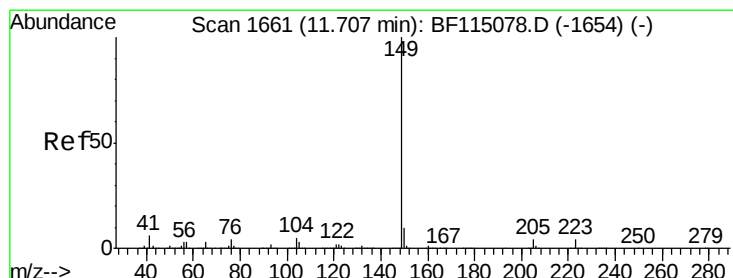
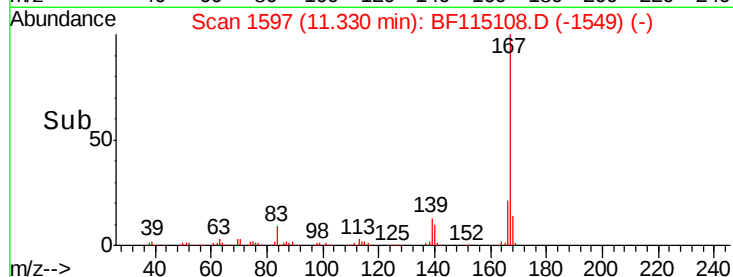
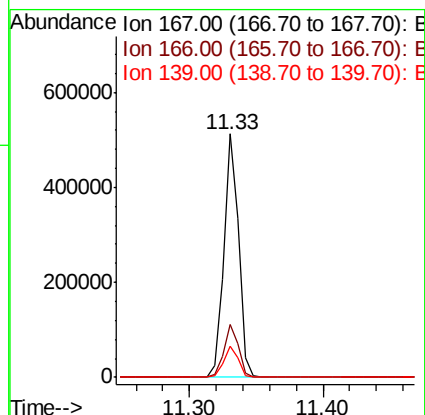
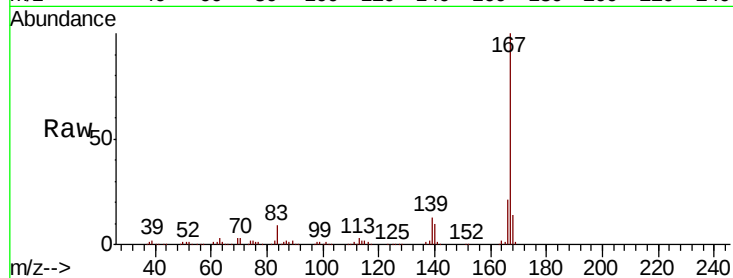




#73
 Carbazole
 Concen: 9.089 ng
 RT: 11.33 min Scan# 1597
 Delta R.T. -0.02 min
 Lab File: BF115108.D
 Acq: 22 Jun 2019 9:28

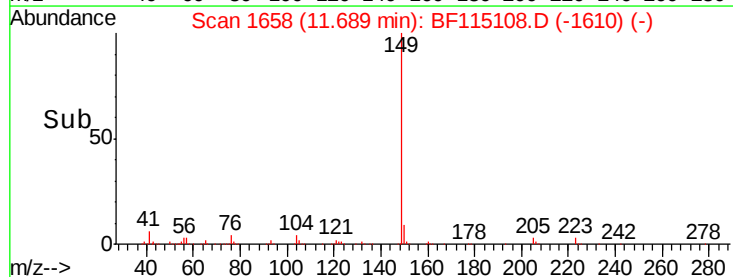
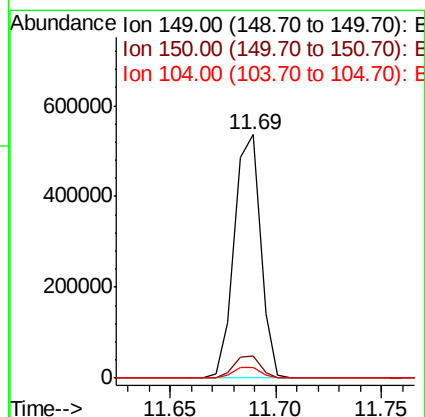
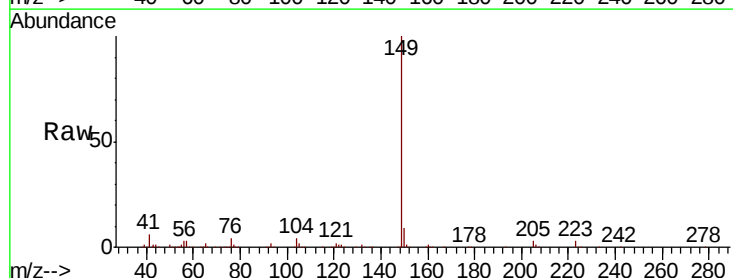
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

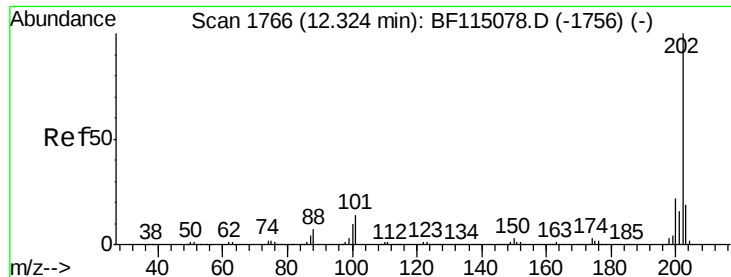
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	18.0	27.0
139	12.7	11.1	16.7



#74
 Di-n-butylphthalate
 Concen: 9.071 ng
 RT: 11.69 min Scan# 1658
 Delta R.T. -0.02 min
 Lab File: BF115108.D
 Acq: 22 Jun 2019 9:28

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.8	11.8
104	4.3	3.7	5.5





#75

Fluoranthene

Concen: 9.282 ng

RT: 12.31 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

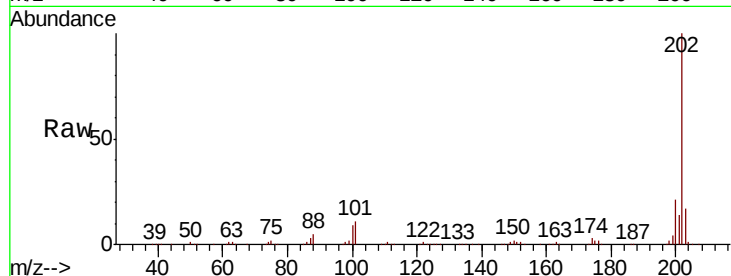
Tot Ion:202 Resp: 451645

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.0

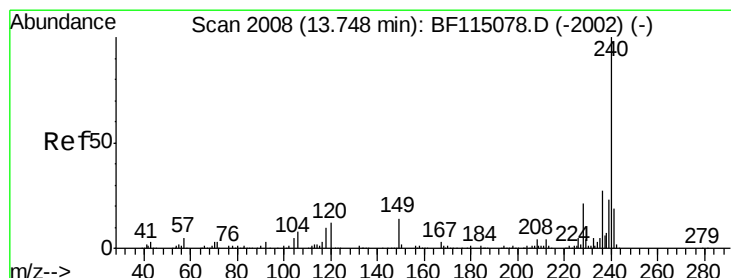
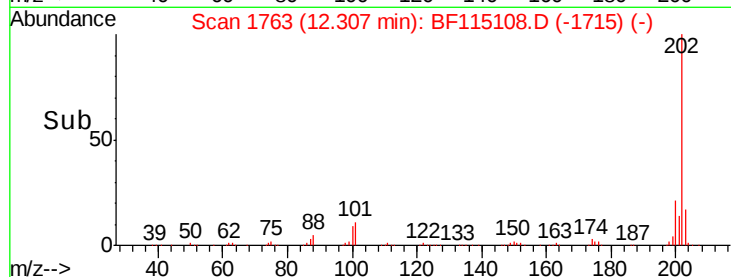
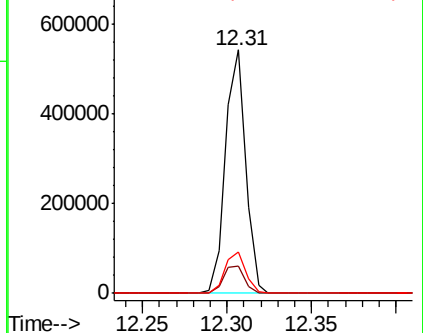
203 17.0 0.0 38.8



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: 13.72 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

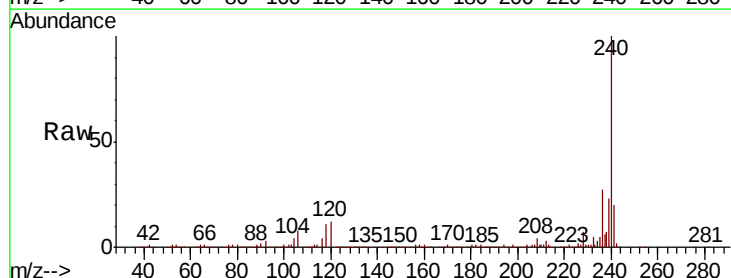
Tgt Ion:240 Resp: 718505

Ion Ratio Lower Upper

240 100

120 11.8 9.4 14.2

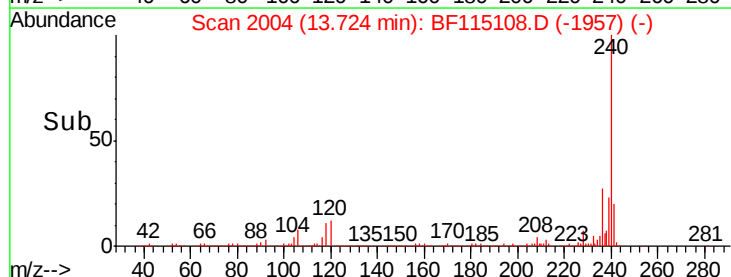
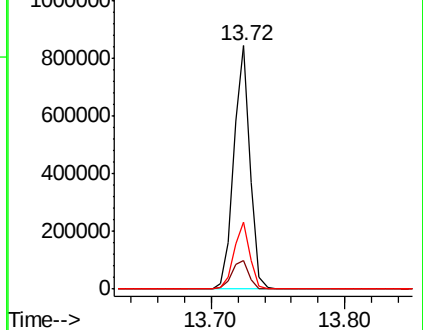
236 27.3 21.7 32.5

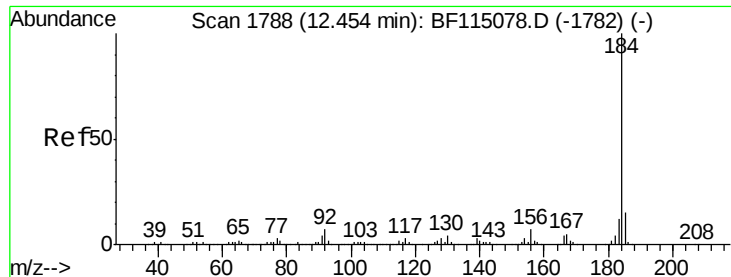


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 5.547 ng

RT: 12.43 min Scan# 1784

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

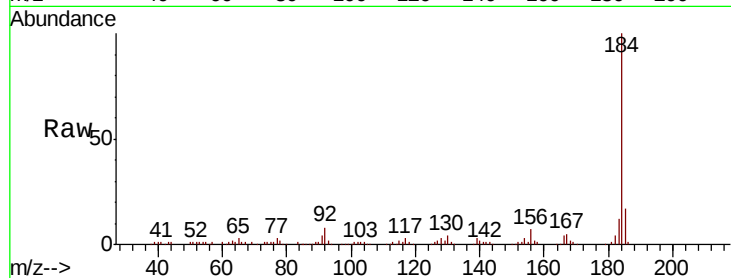
BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:184 Resp: 176980

Ion	Ratio	Lower	Upper
184	100		
185	17.1	12.2	18.2
183	11.6	9.6	14.4

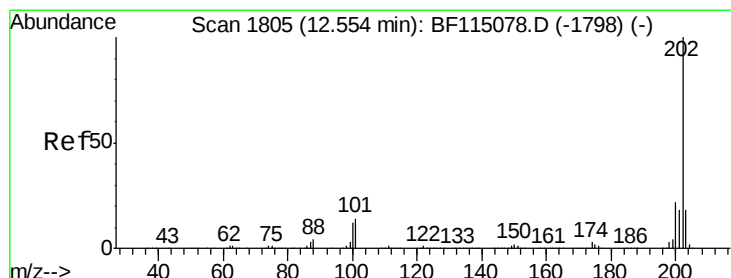
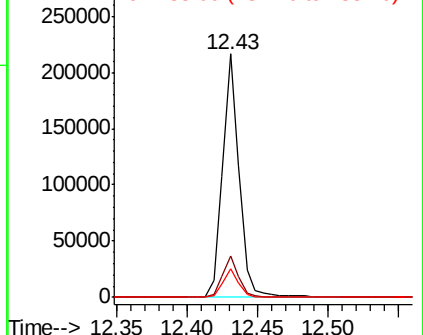
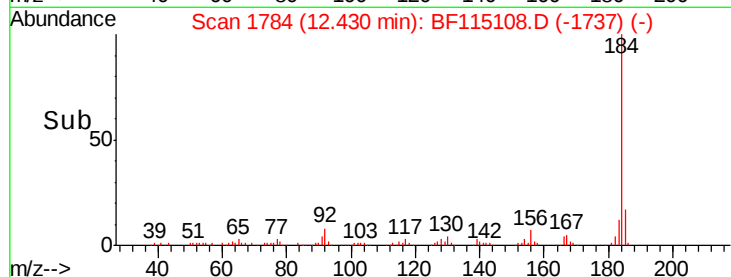


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 8.494 ng

RT: 12.53 min Scan# 1801

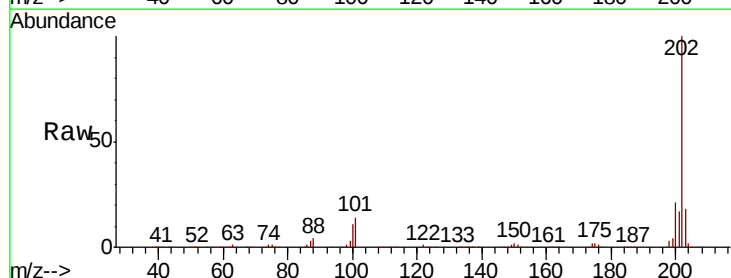
Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Tgt Ion:202 Resp: 468993

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.9	26.9
203	17.7	14.6	21.8

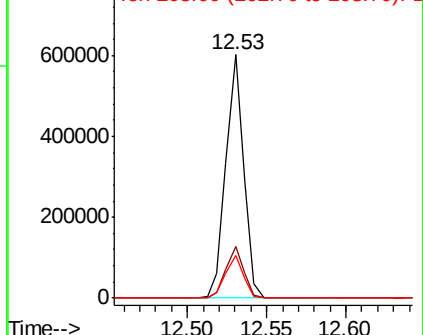
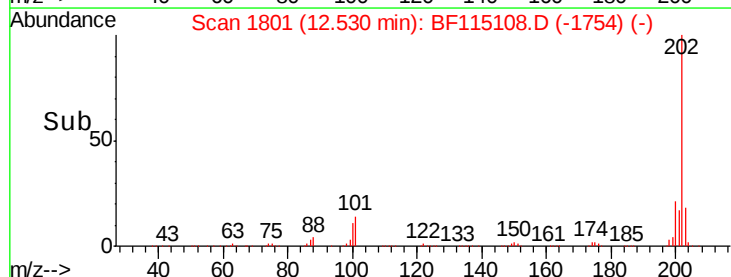


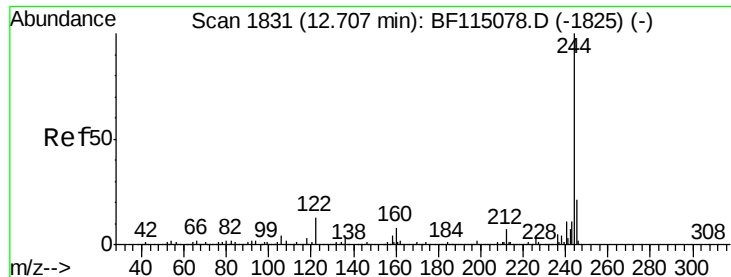
Abundance

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: 81.357 ng

RT: 12.69 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

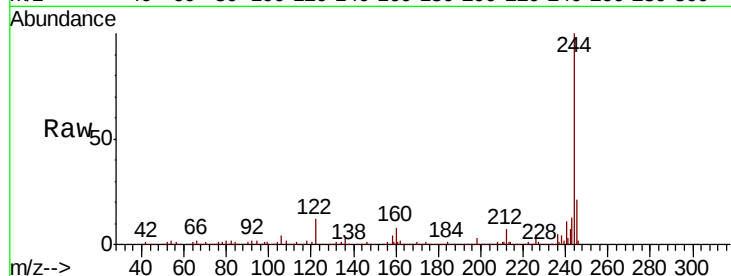
Tot Ion:244 Resp: 2749358

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

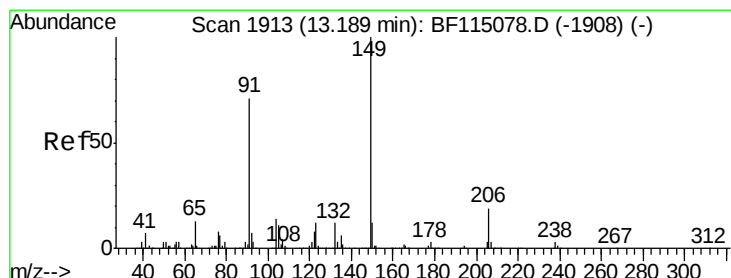
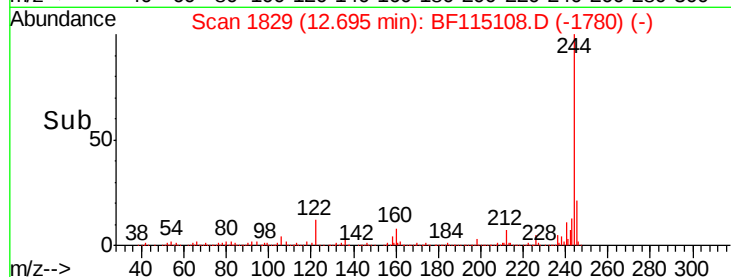
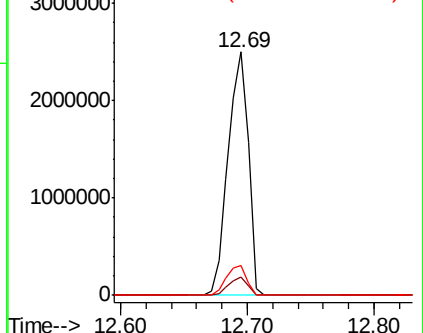
122 12.5 10.4 15.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 7.563 ng

RT: 13.17 min Scan# 1910

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

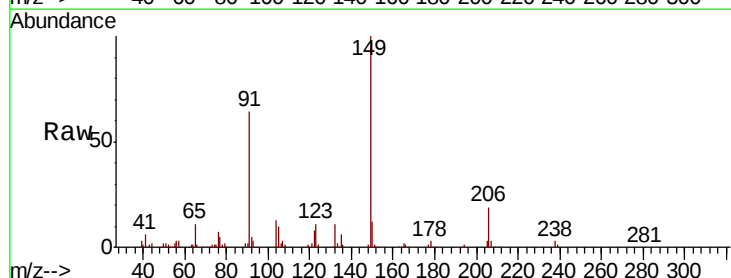
Tgt Ion:149 Resp: 184294

Ion Ratio Lower Upper

149 100

91 64.2 56.5 84.7

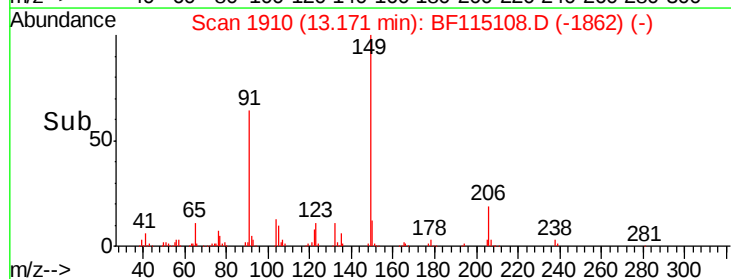
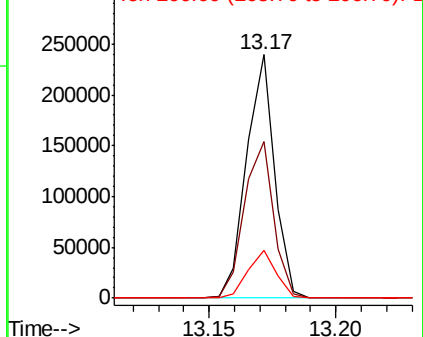
206 19.4 15.3 22.9

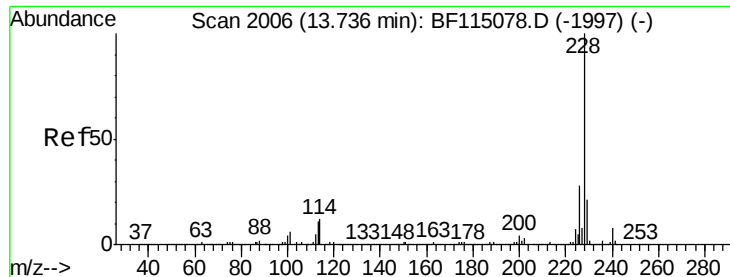


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 7.809 ng

RT: 13.71 min Scan# 2002

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

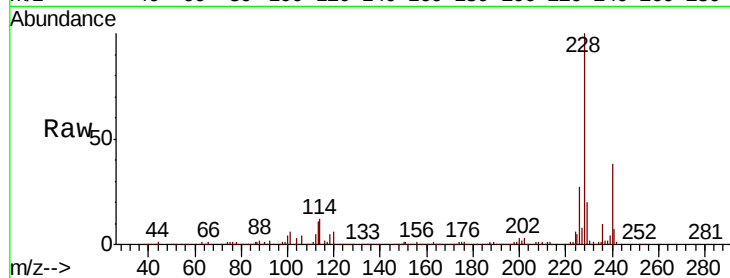
Tot Ion:228 Resp: 402617

Ion Ratio Lower Upper

228 100

226 26.9 22.5 33.7

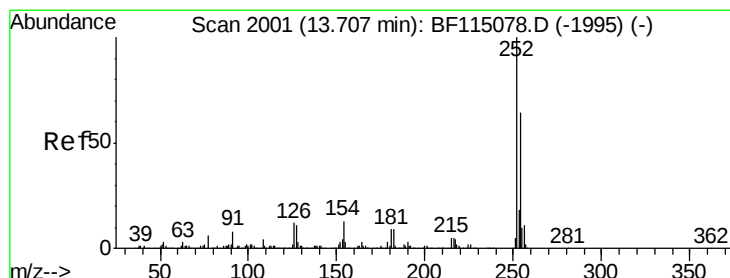
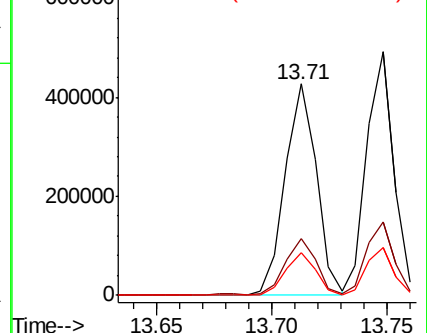
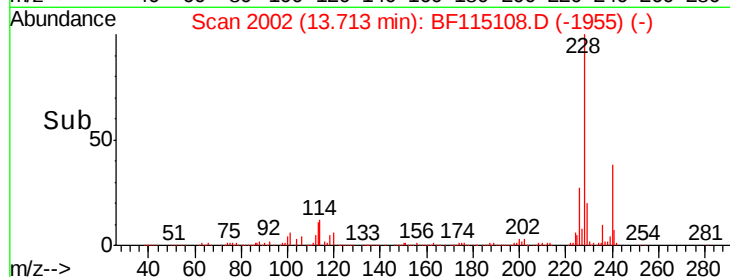
229 20.1 16.6 24.8



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: 8.148 ng

RT: 13.68 min Scan# 1997

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

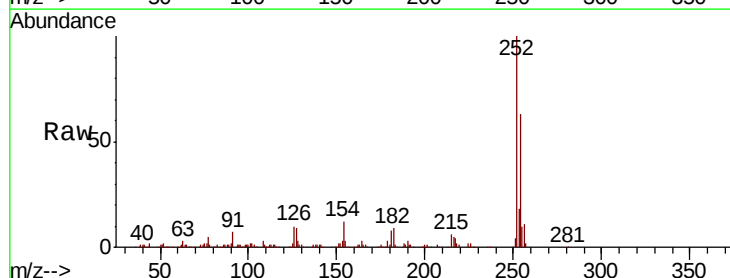
Tgt Ion:252 Resp: 151687

Ion Ratio Lower Upper

252 100

254 63.4 51.1 76.7

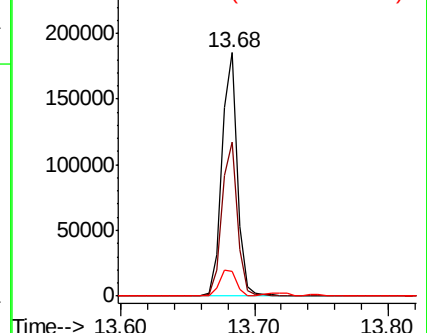
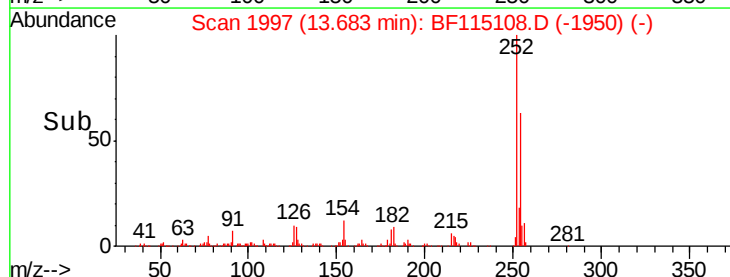
126 10.3 9.4 14.0



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: 8.579 ng

RT: 13.75 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

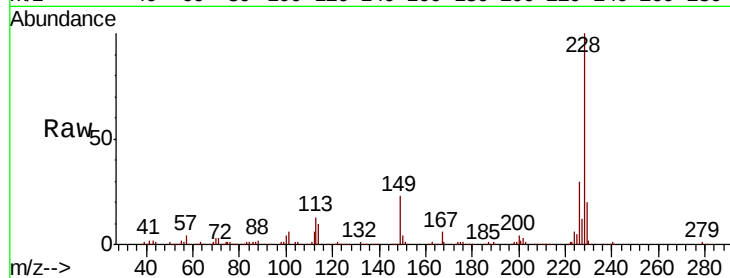
Tot Ion:228 Resp: 405127

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.0

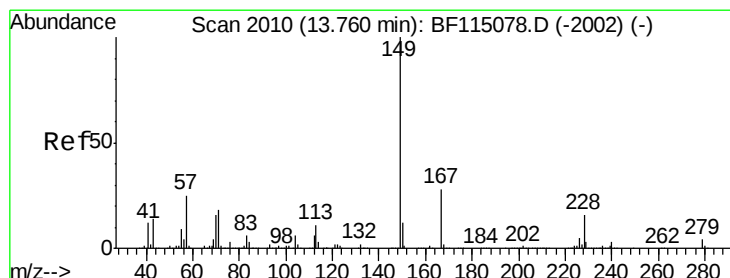
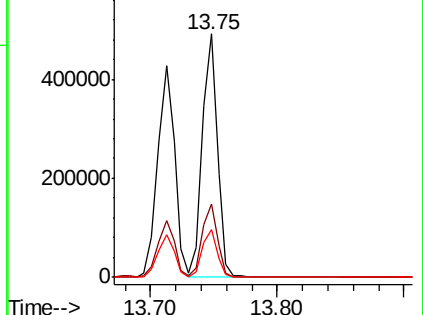
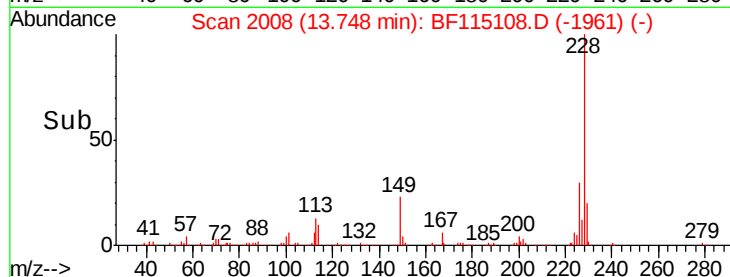
229 19.9 16.5 24.7



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: 8.091 ng

RT: 13.74 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

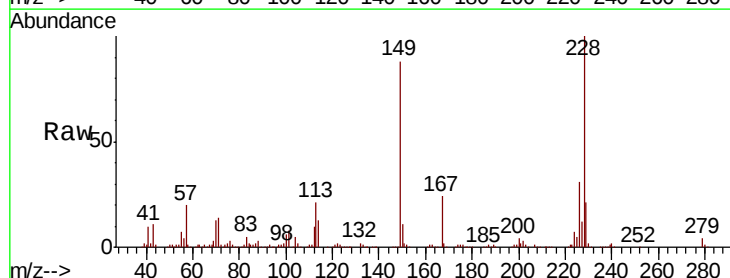
Tgt Ion:149 Resp: 258334

Ion Ratio Lower Upper

149 100

167 27.3 22.2 33.4

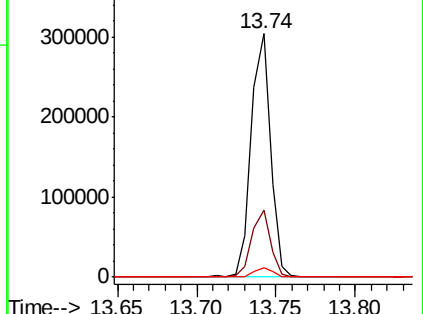
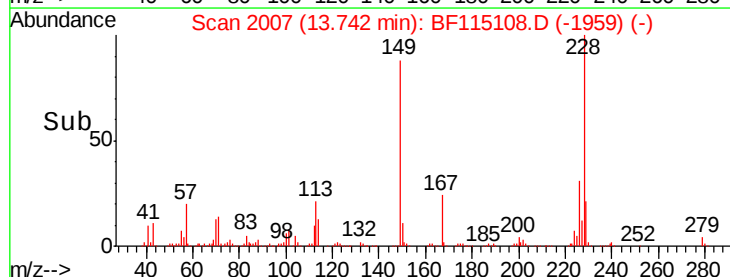
279 4.1 2.9 4.3

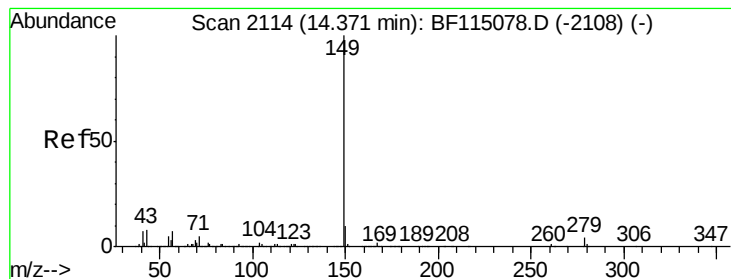


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 7.833 ng

RT: 14.35 min Scan# 2110

Delta R.T. -0.02 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

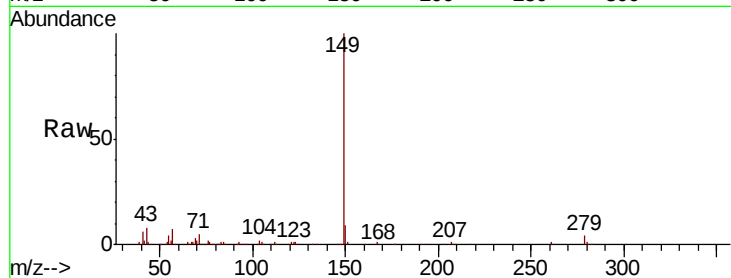
Tot Ion:149 Resp: 420221

Ion Ratio Lower Upper

149 100

167 1.4 1.2 1.8

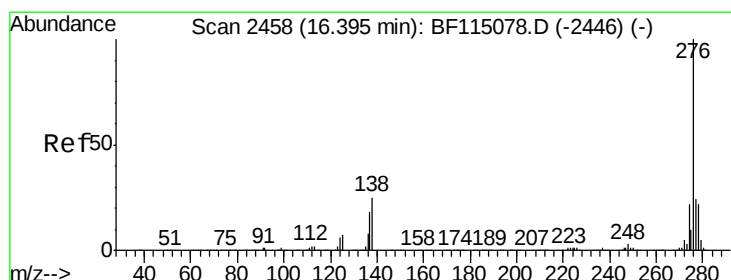
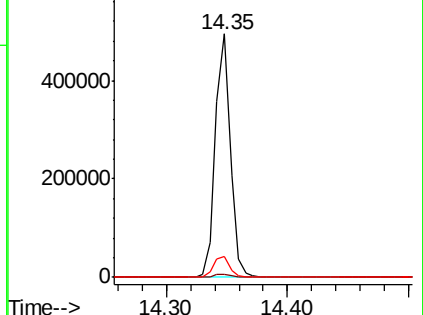
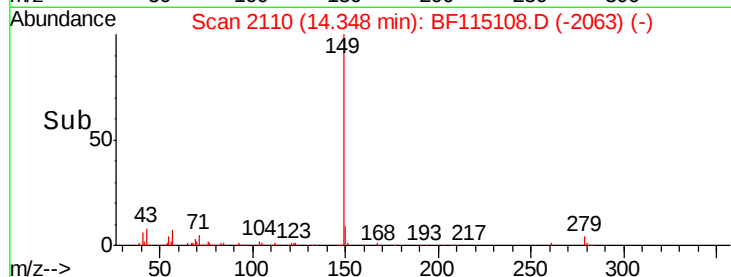
43 8.9 7.0 10.6



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: 7.046 ng

RT: 16.34 min Scan# 2449

Delta R.T. -0.05 min

Lab File: BF115108.D

Acq: 22 Jun 2019 9:28

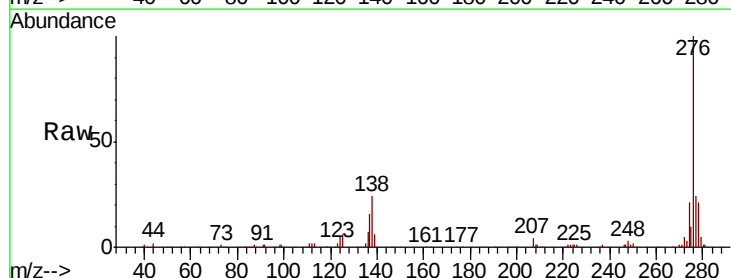
Tgt Ion:276 Resp: 393754

Ion Ratio Lower Upper

276 100

138 28.2 23.2 34.8

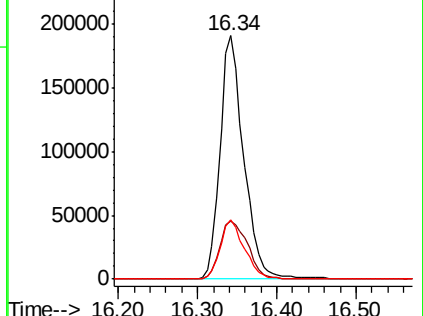
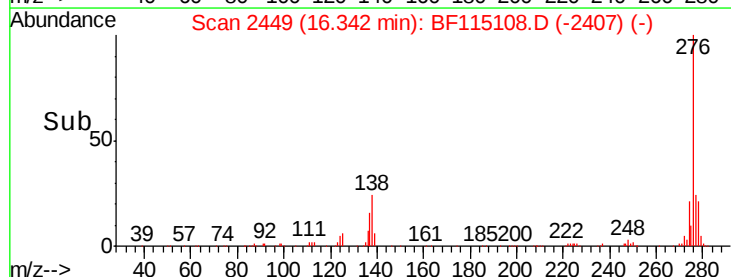
277 24.7 20.1 30.1

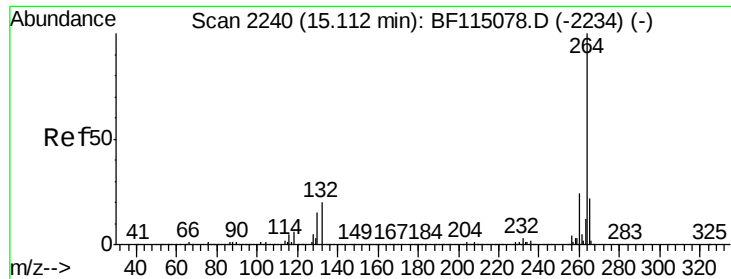


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

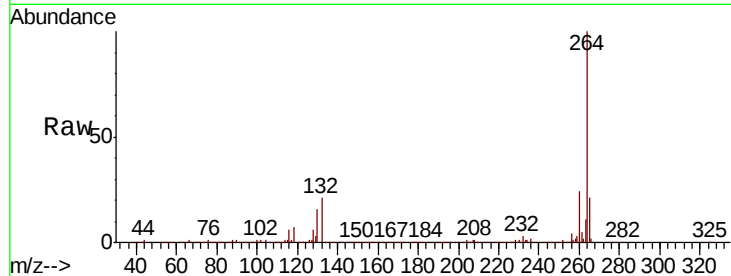




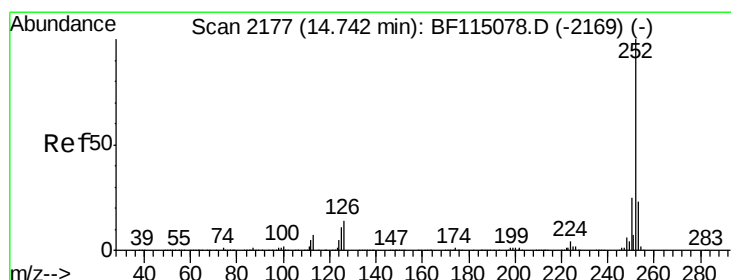
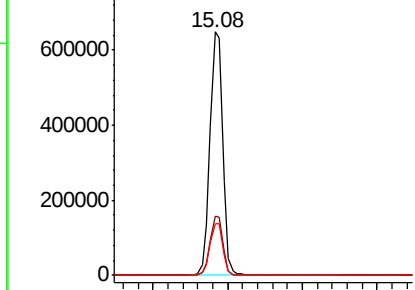
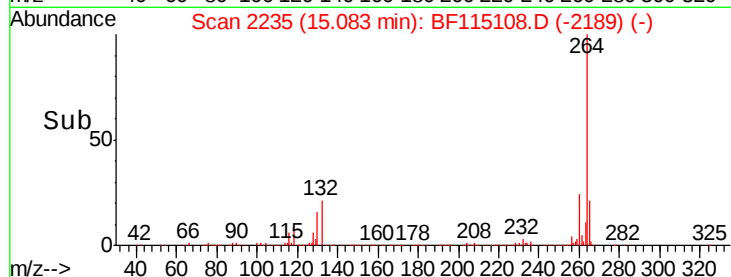
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.08 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

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

Tot Ion:	264	Resp:	769926
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	21.4	17.3	25.9

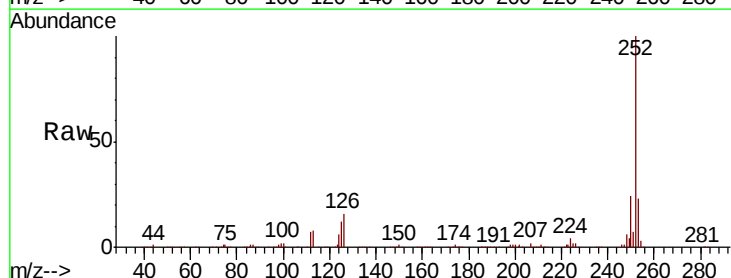


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

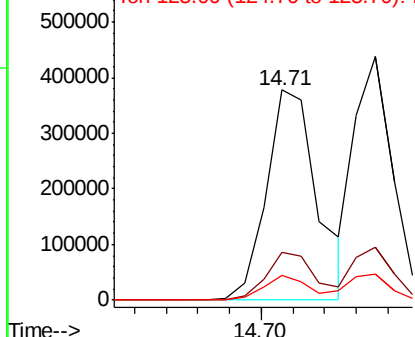
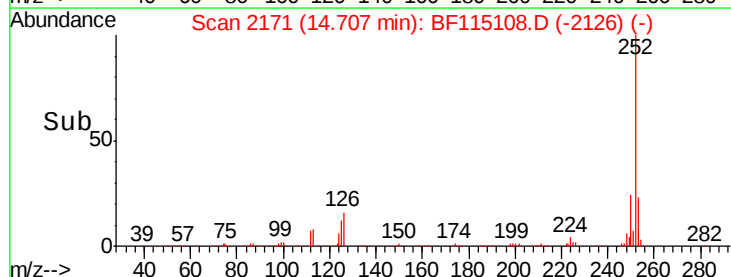


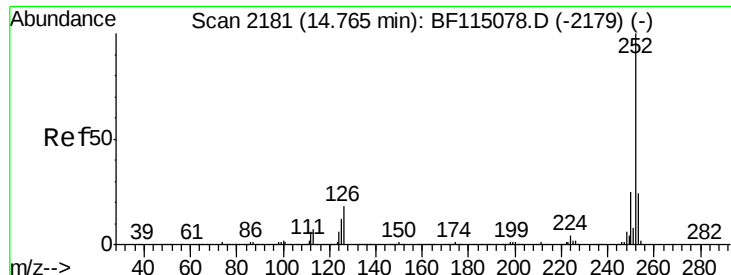
#88
Benzo(b)fluoranthene
Concen: 8.759 ng
RT: 14.71 min Scan# 2171
Delta R.T. -0.04 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion:	252	Resp:	420793
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	11.7	8.7	13.1



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

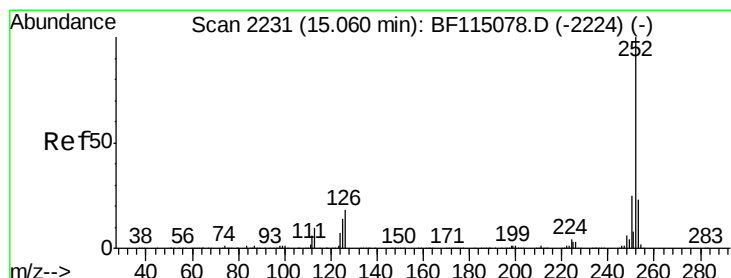
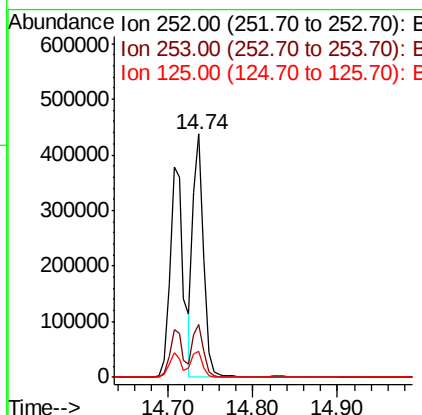
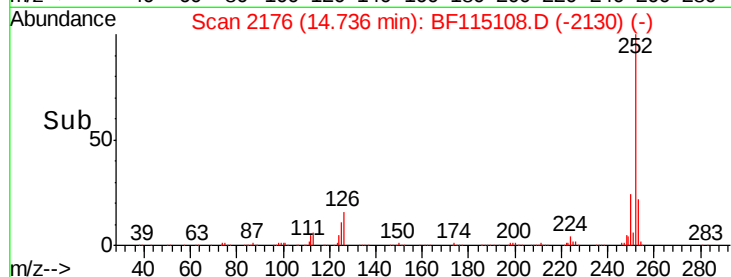
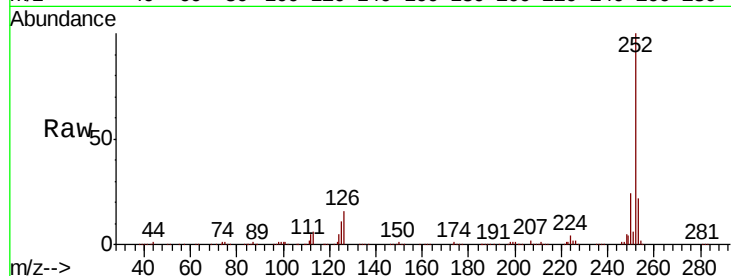




#89
Benzo(k)fluoranthene
Concen: 8.754 ng
RT: 14.74 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

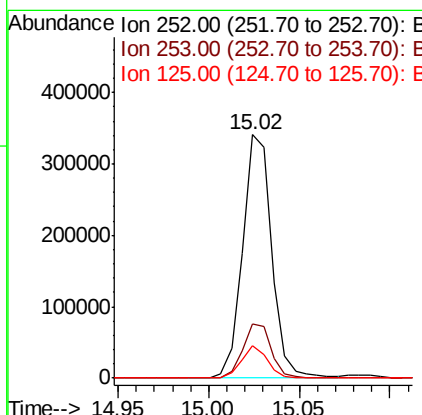
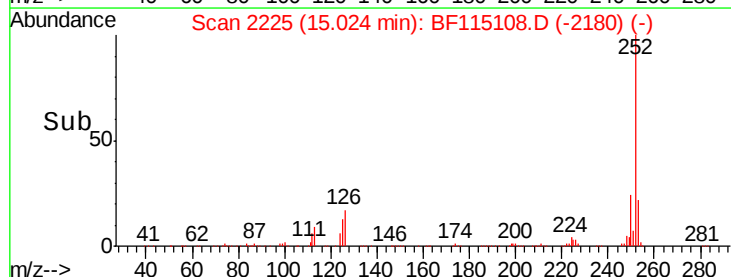
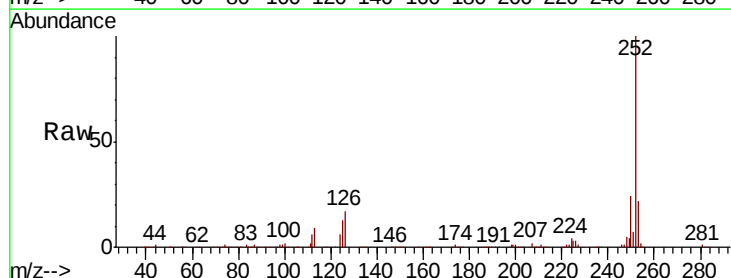
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

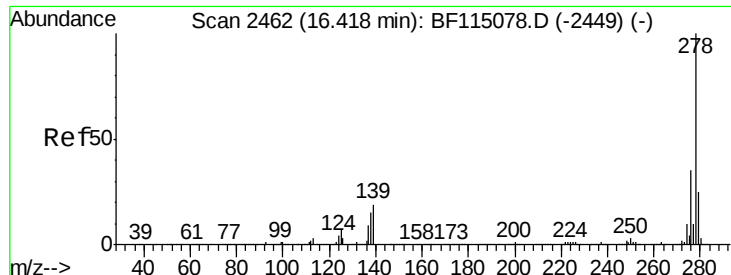
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.9	28.3
125	10.6	10.2	15.2



#90
Benzo(a)pyrene
Concen: 8.787 ng
RT: 15.02 min Scan# 2225
Delta R.T. -0.04 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.3	27.5
125	13.1	10.9	16.3

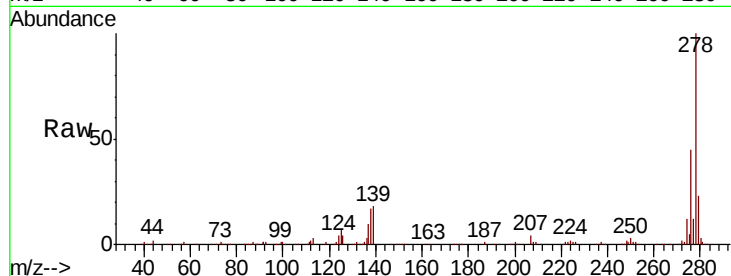




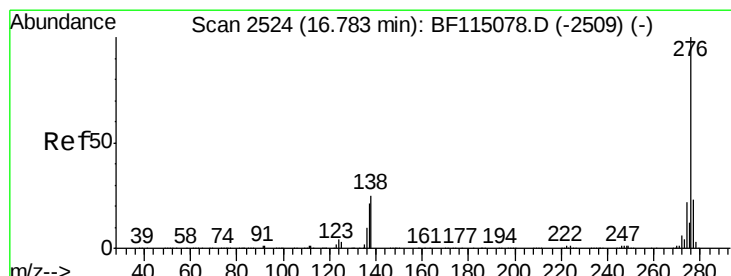
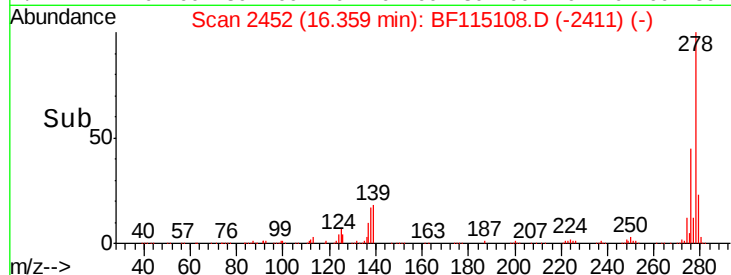
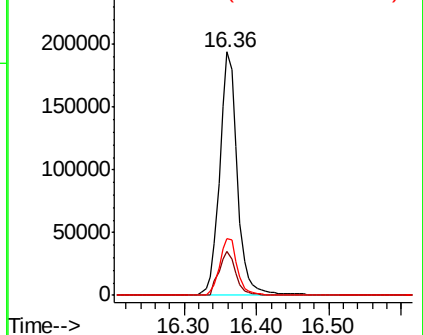
#91
Dibenzo(a,h)anthracene
Concen: 8.169 ng
RT: 16.36 min Scan# 2452
Delta R.T. -0.06 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.0	15.4	23.2
279	23.1	19.9	29.9

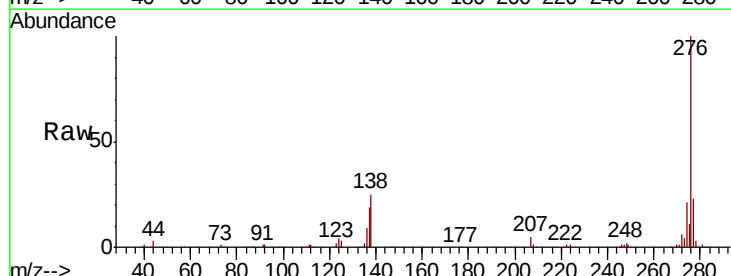


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 7.970 ng
RT: 16.71 min Scan# 2512
Delta R.T. -0.07 min
Lab File: BF115108.D
Acq: 22 Jun 2019 9:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	24.6	19.8	29.6



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

