

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082019\
 Data File : BF116433.D
 Acq On : 20 Aug 2019 14:29
 Operator : HP/JU
 Sample : K4165-03MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

Quant Time: Aug 20 15:12:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	108527	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	440223	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	245922	20.00	ng	-0.01
64) Phenanthrene-d10	11.32	188	444875	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	331876	20.00	ng	-0.01
87) Perylene-d12	15.42	264	332405	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	543264	83.80	ng	0.00
7) Phenol-d6	6.46	99	687376	84.04	ng	0.00
23) Nitrobenzene-d5	7.37	82	430123	56.40	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	195195	81.87	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	730911	55.67	ng	-0.01
79) Terphenyl-d14	12.90	244	854587	54.26	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.55	88	111654	34.092	ng	97
3) Pyridine	3.32	79	282554	30.885	ng	99
4) n-Nitrosodimethylamine	3.26	42	123674	34.255	ng	97
6) Aniline	6.47	93	355569	30.355	ng	# 42
8) 2-Chlorophenol	6.60	128	300078	41.859	ng	97
9) Benzaldehyde	6.36	77	148796	26.366	ng	99
10) Phenol	6.47	94	390467	40.539	ng	87
11) bis(2-Chloroethyl)ether	6.54	93	285501	40.317	ng	99
12) 1,3-Dichlorobenzene	6.75	146	318065	38.391	ng	98
13) 1,4-Dichlorobenzene	6.82	146	327686	39.502	ng	98
14) 1,2-Dichlorobenzene	6.97	146	302938	39.660	ng	98
15) Benzyl Alcohol	6.96	79	249590	40.210	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.08	45	375777	38.904	ng	63
17) 2-Methylphenol	7.07	107	251817	41.485	ng	# 90
18) Hexachloroethane	7.31	117	116250	38.063	ng	98
19) n-Nitroso-di-n-propylamine	7.22	70	214478	42.316	ng	95
20) 3+4-Methylphenols	7.23	107	332835	46.335	ng	# 77
22) Acetophenone	7.22	105	416032	43.091	ng	# 93
24) Nitrobenzene	7.39	77	337078	40.933	ng	98
25) Isophorone	7.63	82	609631	41.804	ng	99
26) 2-Nitrophenol	7.71	139	164702	42.430	ng	95
27) 2,4-Dimethylphenol	7.75	122	270724	46.357	ng	99
28) bis(2-Chloroethoxy)methane	7.83	93	371732	41.126	ng	100
29) 2,4-Dichlorophenol	7.96	162	267724	43.418	ng	99
30) 1,2,4-Trichlorobenzene	8.03	180	277219	39.440	ng	99
31) Naphthalene	8.10	128	870023	41.998	ng	99
32) Benzoic acid	7.90	122	121816	29.586	ng	99
33) 4-Chloroaniline	8.16	127	274851	29.694	ng	98
34) Hexachlorobutadiene	8.22	225	157344	38.863	ng	99
35) Caprolactam	8.53	113	44783	22.455	ng	97
36) 4-Chloro-3-methylphenol	8.66	107	280768	43.768	ng	97
37) 2-Methylnaphthalene	8.80	142	587114	43.033	ng	98
38) 1-Methylnaphthalene	8.89	142	546805	42.365	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	265459	40.377	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	76099	29.797	ng	99
43) 2,4,6-Trichlorophenol	9.09	196	168217	37.172	ng	99
44) 2,4,5-Trichlorophenol	9.13	196	176290	37.686	ng	98
46) 1,1'-Biphenyl	9.26	154	720479	41.497	ng	99
47) 2-Chloronaphthalene	9.29	162	566378	39.195	ng	99
48) 2-Nitroaniline	9.39	65	185321	38.800	ng	99
49) Acenaphthylene	9.70	152	861114	40.847	ng	99
50) Dimethylphthalate	9.56	163	813341	48.574	ng	100
51) 2,6-Dinitrotoluene	9.63	165	150245	41.289	ng	# 84
52) Acenaphthene	9.87	154	523165	40.451	ng	98
53) 3-Nitroaniline	9.80	138	132850	29.547	ng	99
54) 2,4-Dinitrophenol	9.93	184	91389	52.369	ng	99
55) Dibenzofuran	10.05	168	758061	40.304	ng	100
56) 4-Nitrophenol	9.99	139	163462	56.751	ng	93
57) 2,4-Dinitrotoluene	10.05	165	191277	39.480	ng	95
58) Fluorene	10.39	166	625302	43.212	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.17	232	156667	39.809	ng	97
60) Diethylphthalate	10.26	149	666782	42.652	ng	100
61) 4-Chlorophenyl-phenylether	10.37	204	314909	42.969	ng	97
62) 4-Nitroaniline	10.42	138	169430	36.463	ng	98
63) Azobenzene	10.53	77	681721	42.397	ng	99
65) 4,6-Dinitro-2-methylphenol	10.46	198	91420	38.778	ng	100
66) n-Nitrosodiphenylamine	10.49	169	555985	41.522	ng	99
67) 4-Bromophenyl-phenylether	10.86	248	191794	40.273	ng	97
68) Hexachlorobenzene	10.94	284	213586	38.785	ng	99
69) Atrazine	11.02	200	181507	41.203	ng	99
70) Pentachlorophenol	11.15	266	145173	54.299	ng	98
71) Phenanthrene	11.35	178	945205	41.560	ng	100
72) Anthracene	11.40	178	980695	42.608	ng	99
73) Carbazole	11.56	167	896226	42.919	ng	100
74) Di-n-butylphthalate	11.87	149	1108244	45.495	ng	99
75) Fluoranthene	12.54	202	1015477	42.650	ng	98
77) Benzidine	12.66	184	421969	37.635	ng	97
78) Pyrene	12.77	202	1025581	40.995	ng	99
80) Butylbenzylphthalate	13.37	149	487063	46.026	ng	96
81) Benzo(a)anthracene	13.96	228	859773	40.532	ng	100
82) 3,3'-Dichlorobenzidine	13.91	252	284417	38.593	ng	100
83) Chrysene	13.99	228	849155	41.233	ng	98
84) Bis(2-ethylhexyl)phthalate	13.92	149	705994	51.338	ng	99
85) Di-n-octyl phthalate	14.53	149	1133921	51.913	ng	99
86) Indeno(1,2,3-cd)pyrene	16.89	276	835683	48.315	ng	100
88) Benzo(b)fluoranthene	15.00	252	792880	41.253	ng	99
89) Benzo(k)fluoranthene	15.03	252	734809	39.251	ng	98
90) Benzo(a)pyrene	15.36	252	739028	43.014	ng	100
91) Dibenzo(a,h)anthracene	16.88	278	702887	47.262	ng	99
92) Benzo(g,h,i)perylene	17.32	276	699953	47.923	ng	97

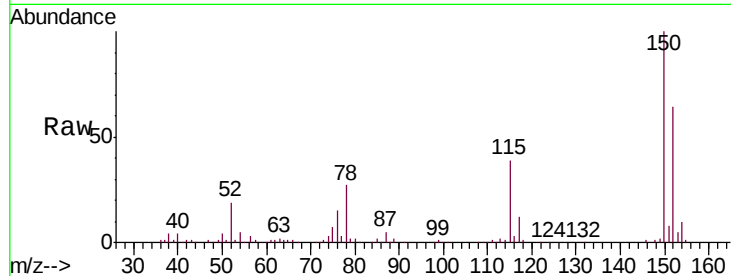
(#) = qualifier out of range (m) = manual integration (+) = signals summed



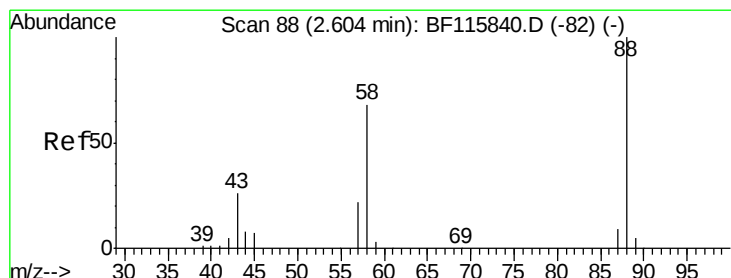
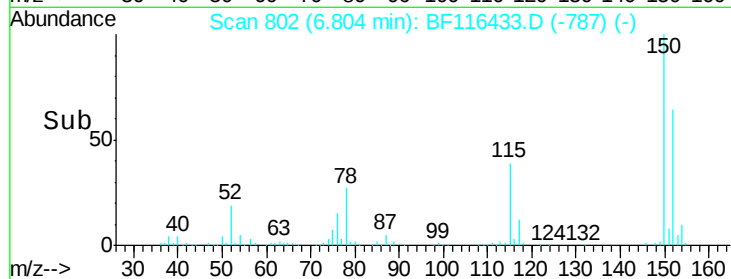
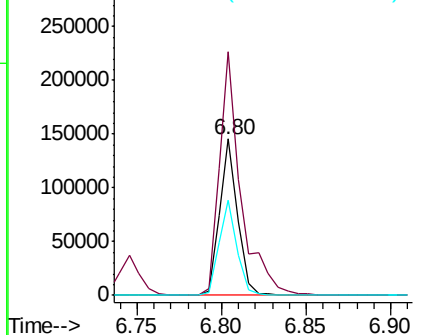
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Instrument :
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 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

Tgt Ion:152 Resp: 108527
 Ion Ratio Lower Upper
 152 100
 150 155.7 126.2 189.2
 115 60.7 49.9 74.9

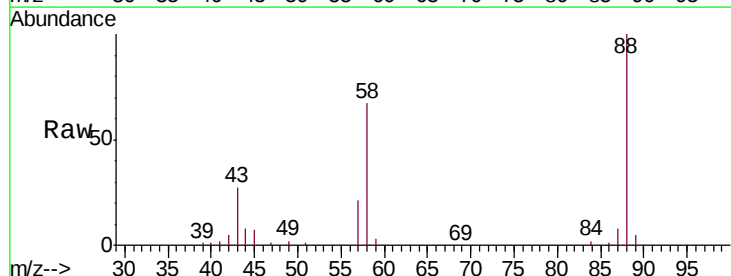


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

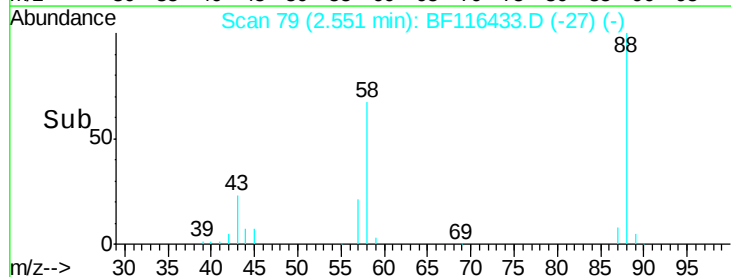
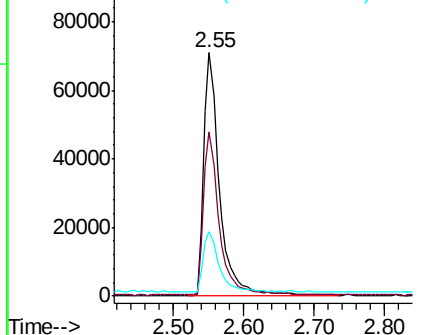


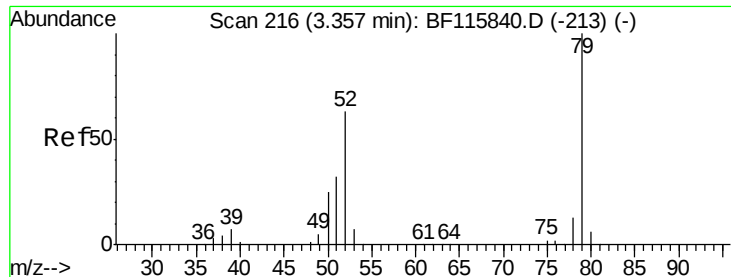
#2
 1,4-Dioxane
 Concen: 34.092 ng
 RT: 2.55 min Scan# 79
 Delta R.T. 0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Tgt Ion: 88 Resp: 111654
 Ion Ratio Lower Upper
 88 100
 58 64.9 53.7 80.5
 43 25.0 21.0 31.4



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

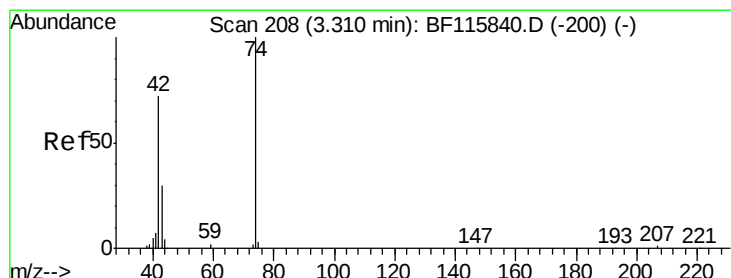
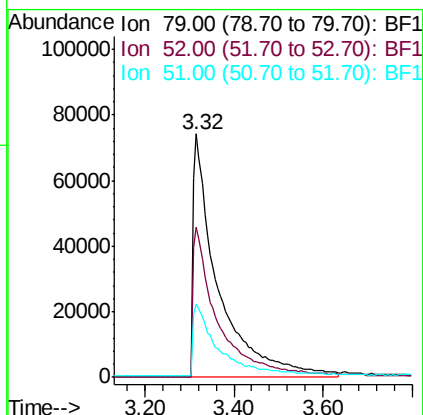
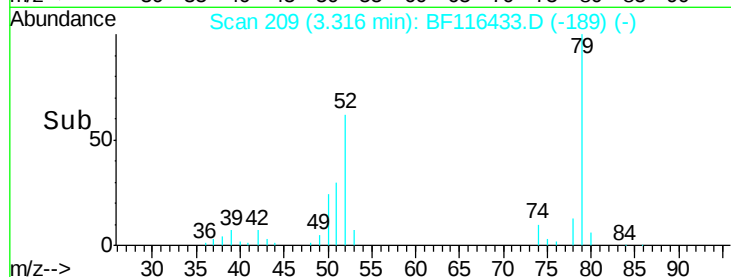
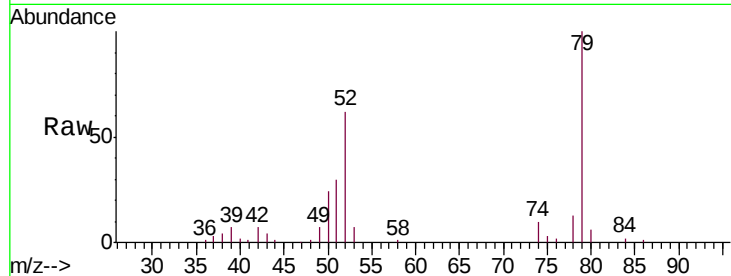




#3
 Pyridine
 Concen: 30.885 ng
 RT: 3.32 min Scan# 209
 Delta R.T. 0.02 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

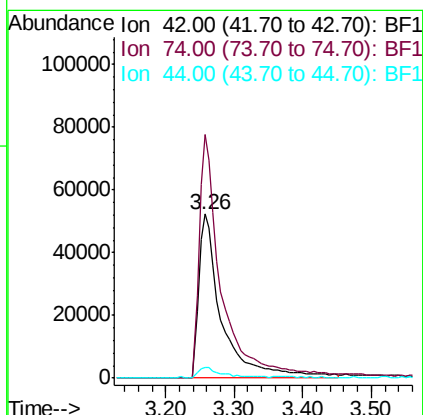
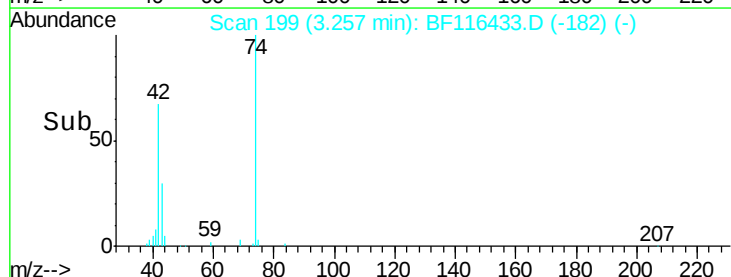
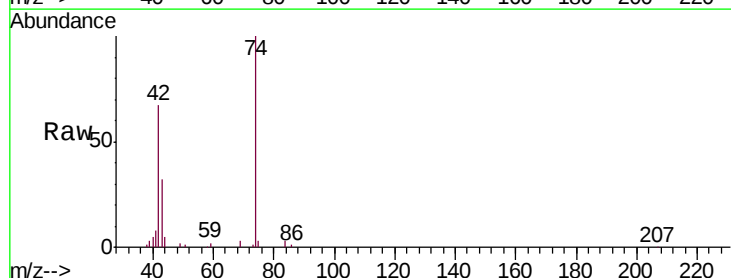
Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

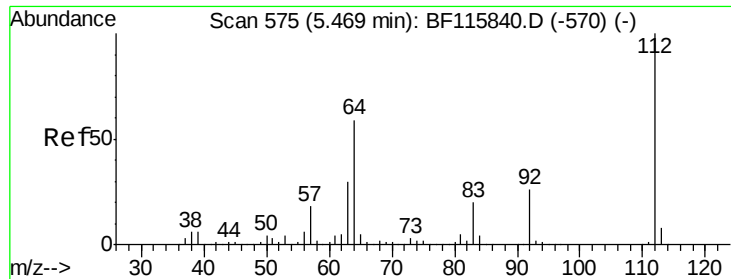
Tgt Ion: 79 Resp: 282554
 Ion Ratio Lower Upper
 79 100
 52 61.6 49.8 74.8
 51 30.3 25.2 37.8



#4
 n-Nitrosodimethylamine
 Concen: 34.255 ng
 RT: 3.26 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Tgt Ion: 42 Resp: 123674
 Ion Ratio Lower Upper
 42 100
 74 148.6 116.0 174.0
 44 6.9 4.6 7.0





#5

2-Fluorophenol

Concen: 83.800 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.00 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

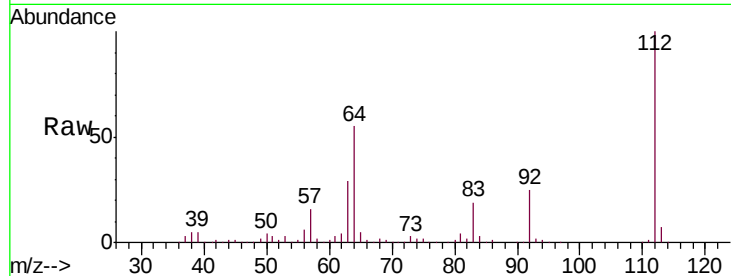
Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

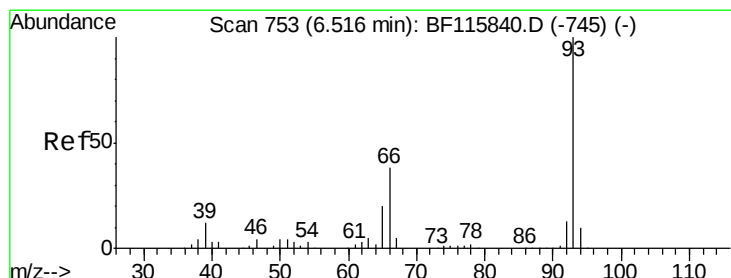
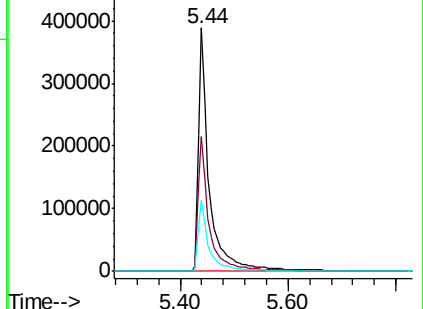
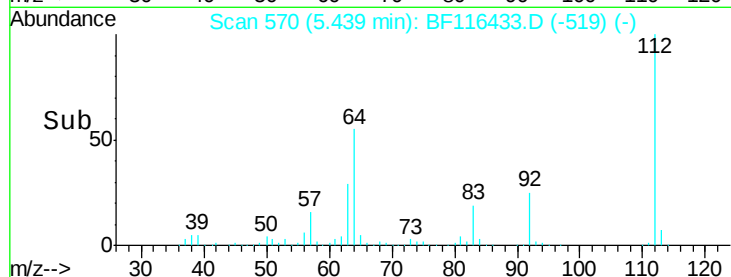
Tgt Ion:	112	Resp:	543264
Ion	Ratio	Lower	Upper
112	100		
64	55.5	45.4	68.2
63	29.1	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 30.355 ng

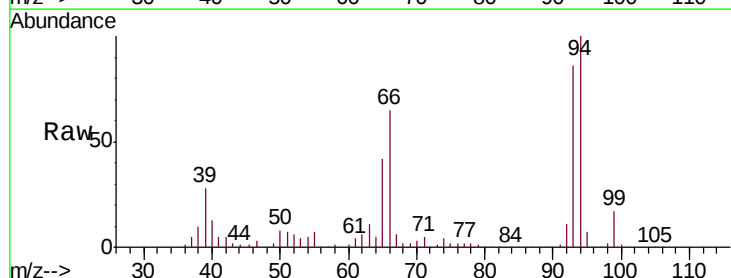
RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

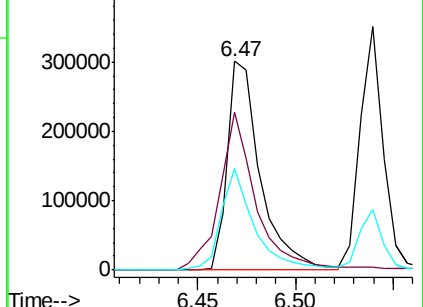
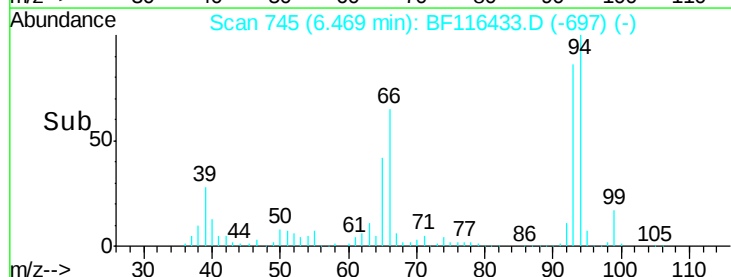
Tgt Ion:	93	Resp:	355569
Ion	Ratio	Lower	Upper
93	100		
66	75.8	32.2	48.4#
65	48.8	17.0	25.6#

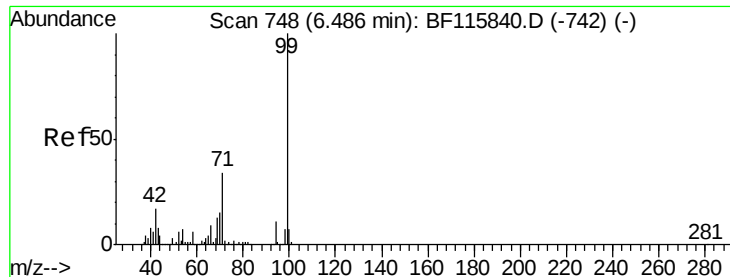


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 84.039 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF116433.D

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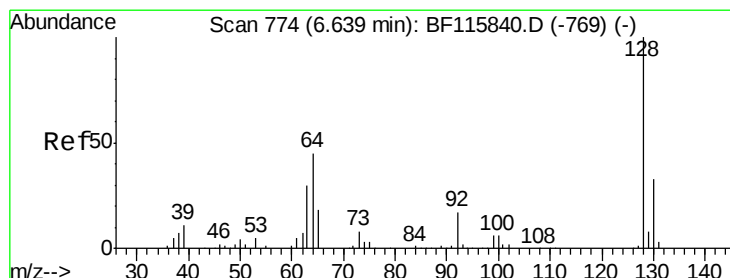
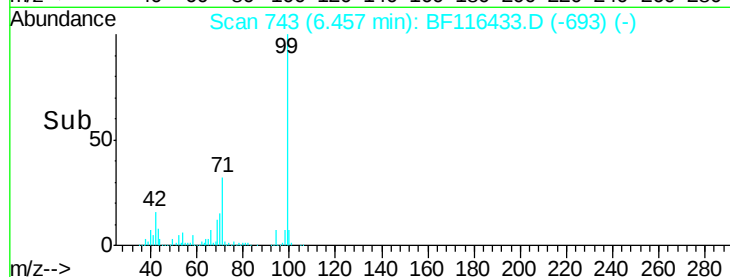
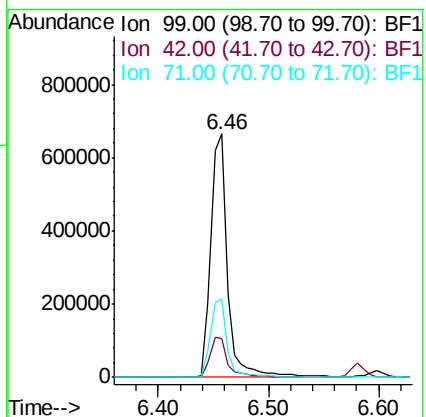
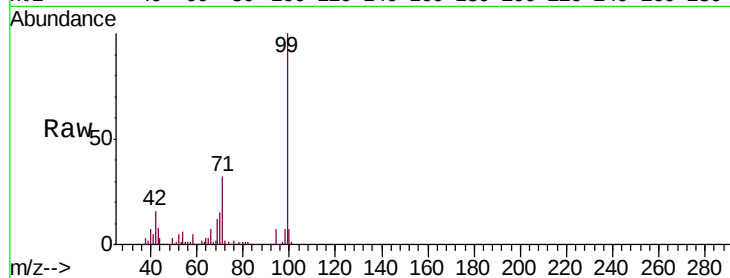
Tgt Ion: 99 Resp: 687376

Ion Ratio Lower Upper

99 100

42 15.9 13.8 20.8

71 32.2 27.3 40.9



#8

2-Chlorophenol

Concen: 41.859 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

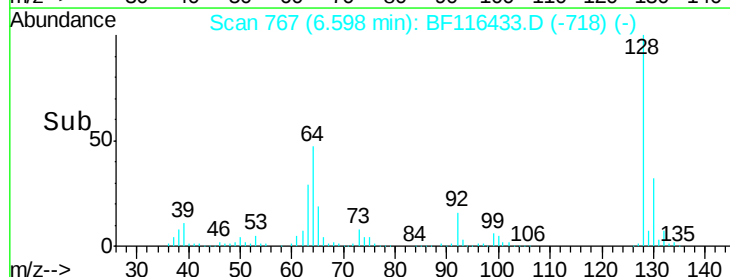
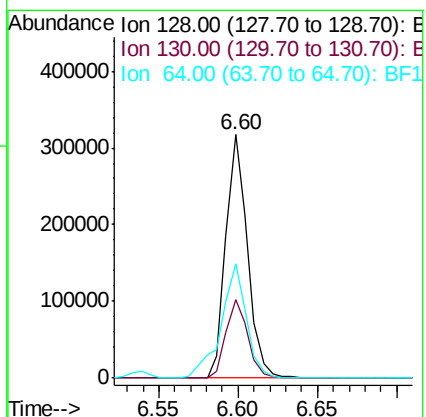
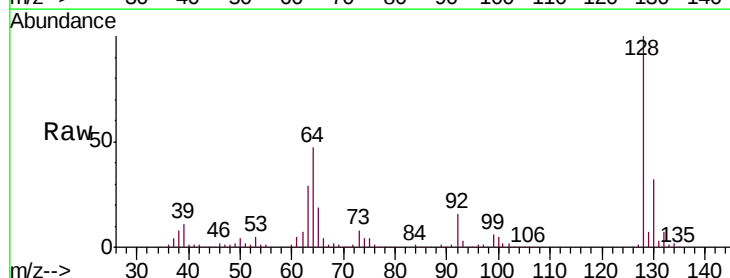
Tgt Ion: 128 Resp: 300078

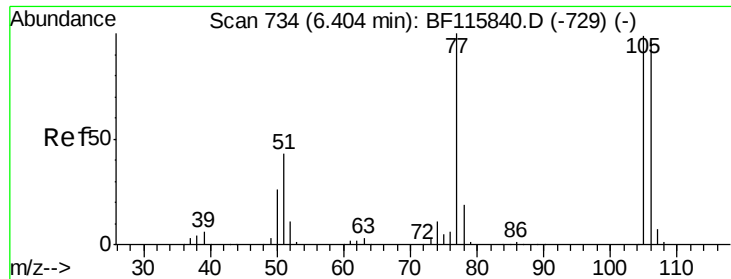
Ion Ratio Lower Upper

128 100

130 32.2 12.9 52.9

64 46.9 24.3 64.3





#9

Benzaldehyde

Concen: 26.366 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

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Acq: 20 Aug 2019 14:29

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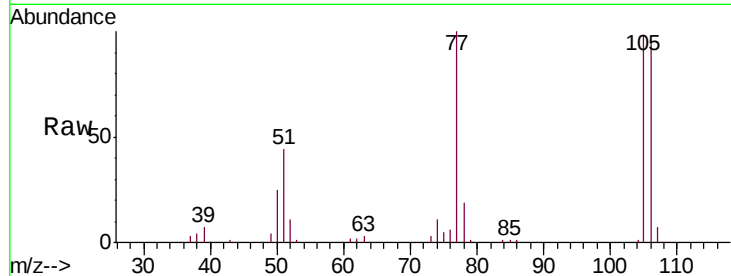
Tgt Ion: 77 Resp: 148796

Ion Ratio Lower Upper

77 100

105 98.1 79.2 119.2

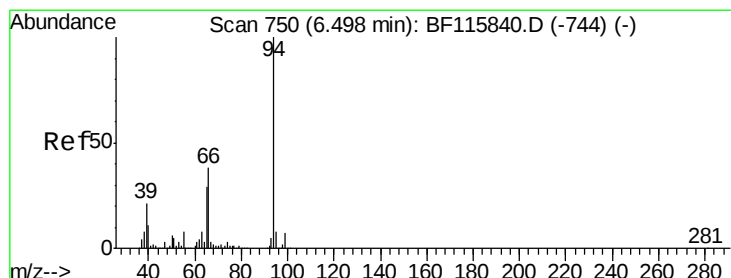
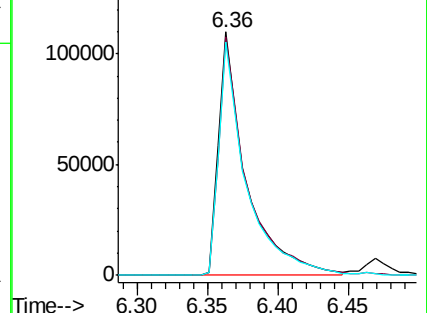
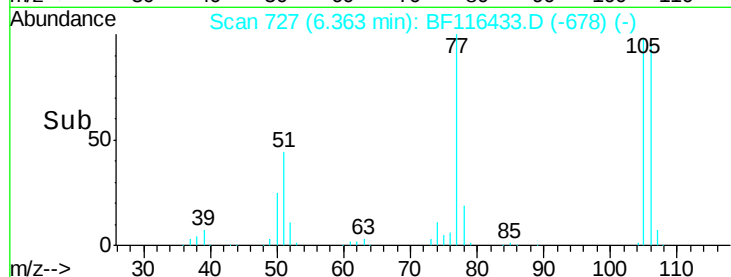
106 95.7 74.3 114.3



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 40.539 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

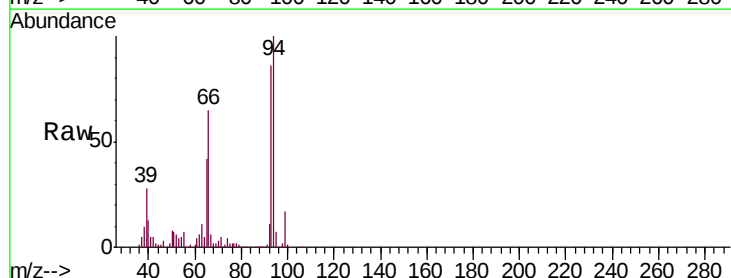
Tgt Ion: 94 Resp: 390467

Ion Ratio Lower Upper

94 100

65 42.1 16.8 56.8

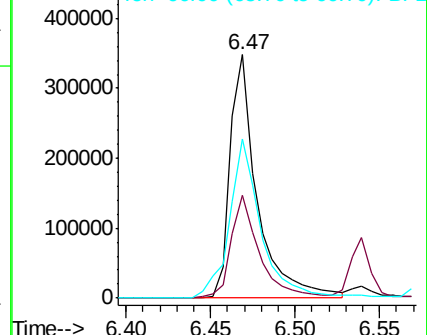
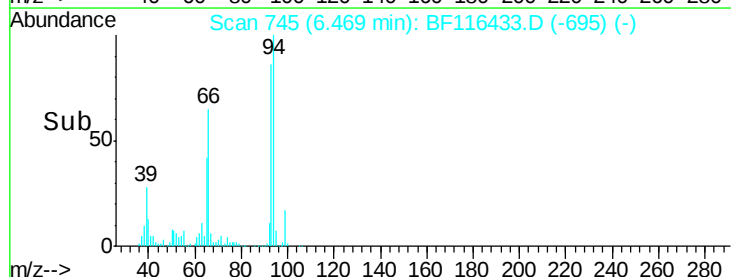
66 65.4 34.2 74.2



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

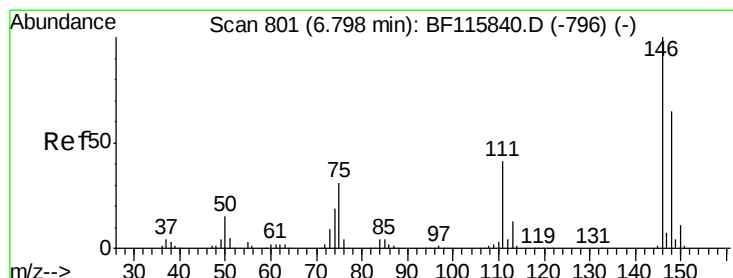
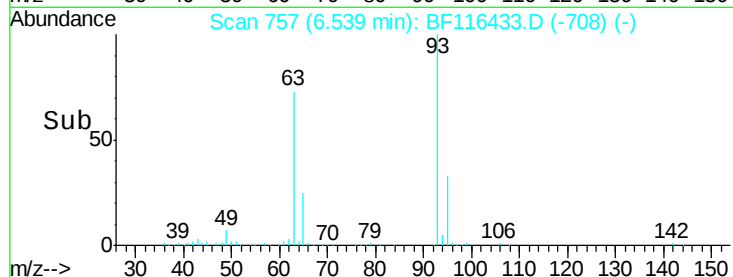
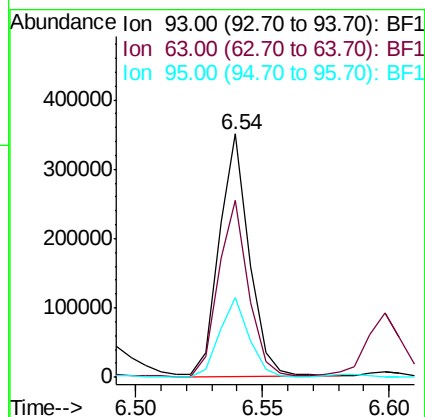
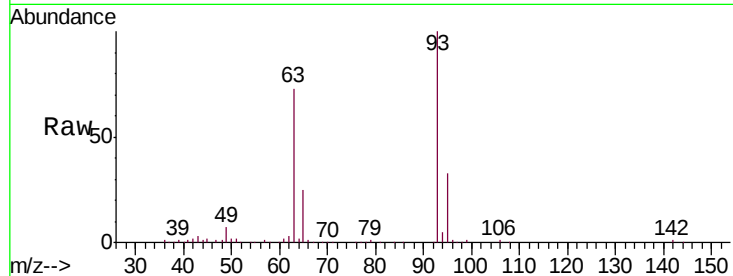




#11
bis(2-Chloroethyl)ether
Concen: 40.317 ng
RT: 6.54 min Scan# 757
Delta R.T. -0.01 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

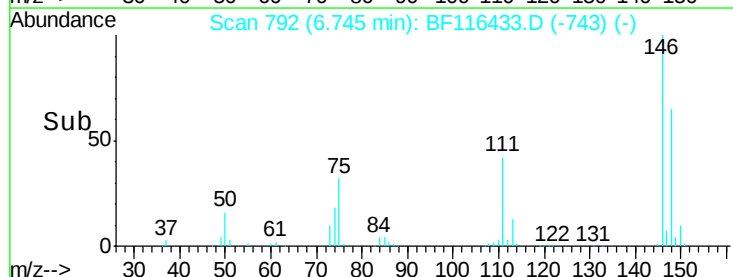
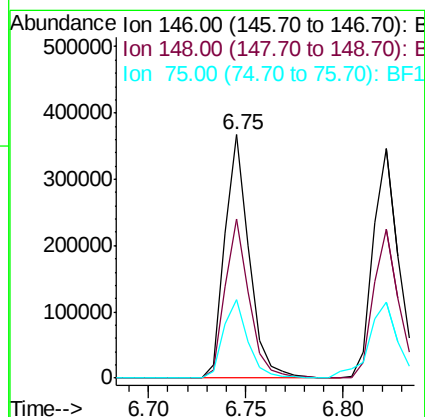
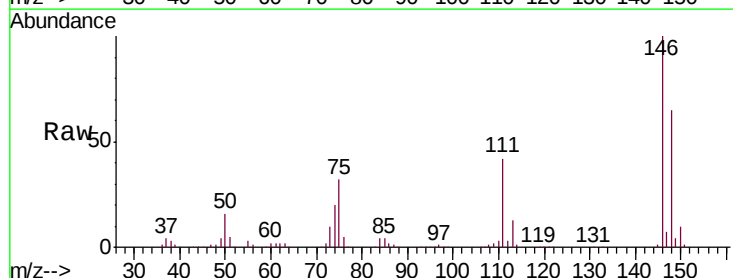
Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

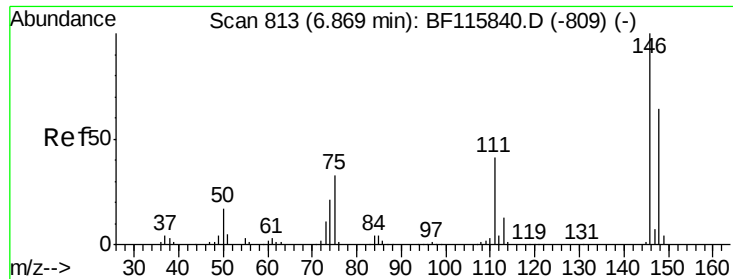
Tgt Ion: 93 Resp: 285501
Ion Ratio Lower Upper
93 100
63 72.8 51.9 91.9
95 33.0 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 38.391 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Tgt Ion: 146 Resp: 318065
Ion Ratio Lower Upper
146 100
148 65.2 51.3 76.9
75 32.0 27.4 41.2

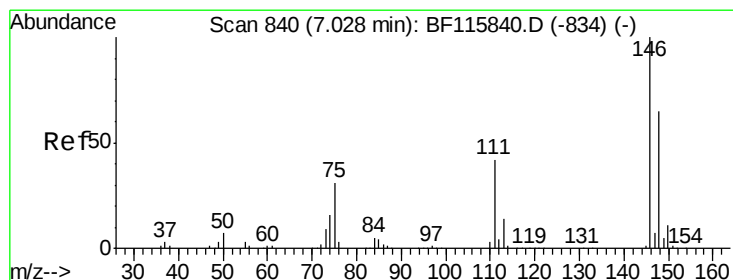
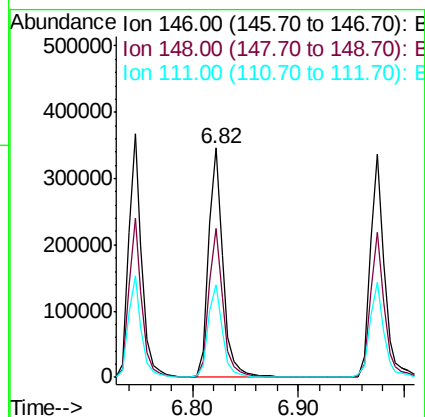
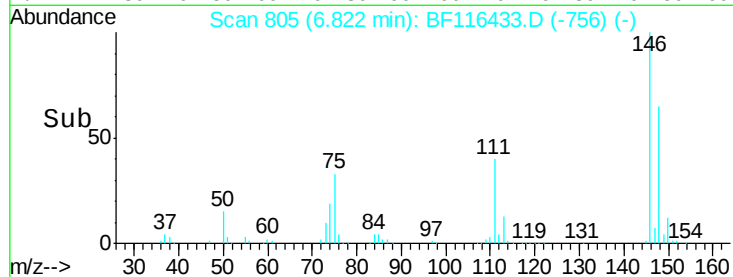
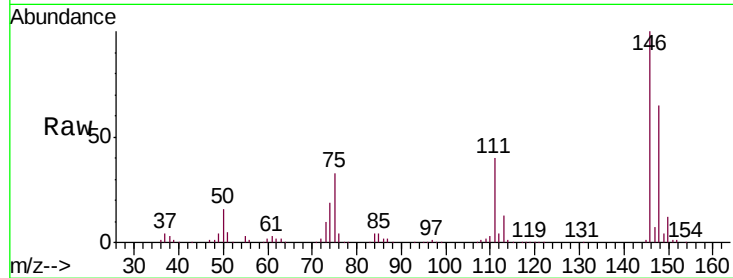




#13
 1,4-Dichlorobenzene
 Concen: 39.502 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

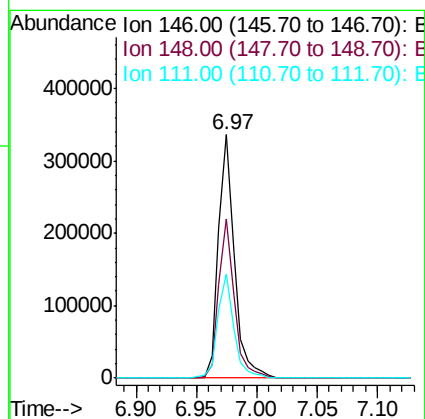
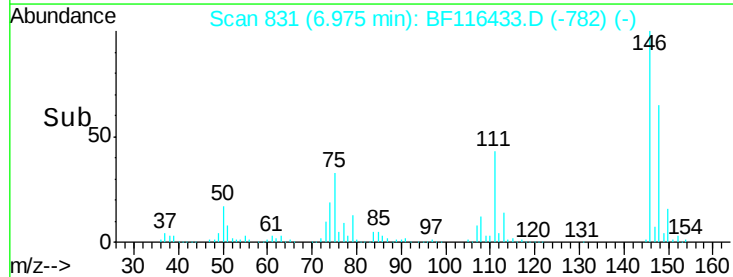
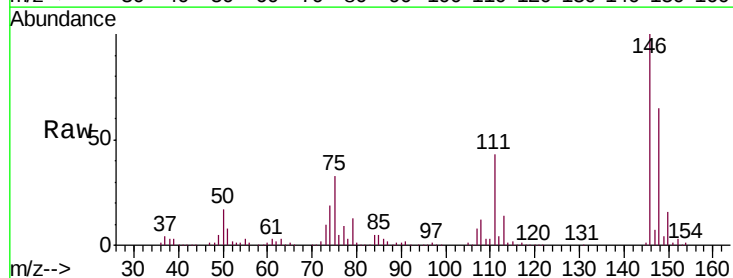
Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

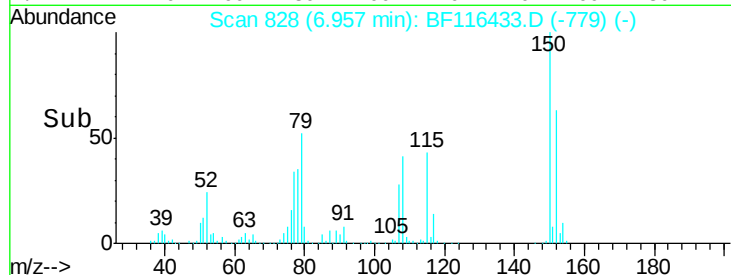
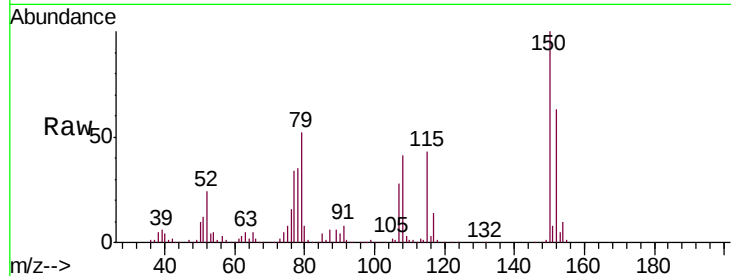
Tgt Ion:146 Resp: 327686
 Ion Ratio Lower Upper
 146 100
 148 65.1 51.3 76.9
 111 40.3 34.0 51.0



#14
 1,2-Dichlorobenzene
 Concen: 39.660 ng
 RT: 6.97 min Scan# 831
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Tgt Ion:146 Resp: 302938
 Ion Ratio Lower Upper
 146 100
 148 65.3 51.2 76.8
 111 42.9 33.5 50.3

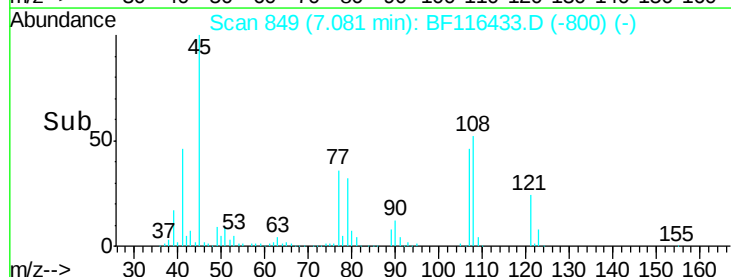
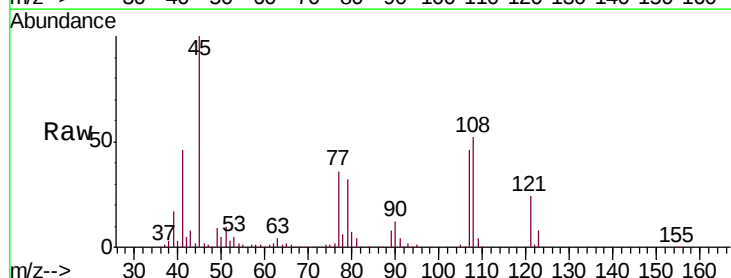
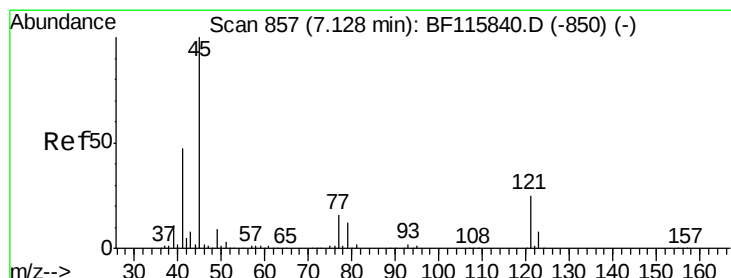
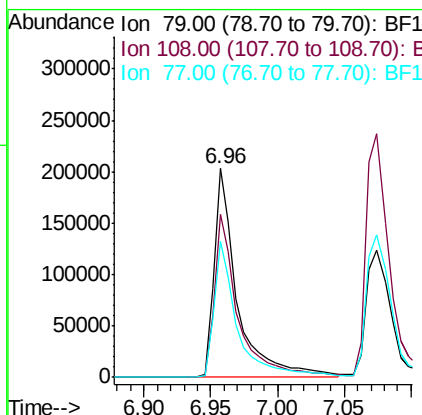




#15
Benzyl Alcohol
Concen: 40.210 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

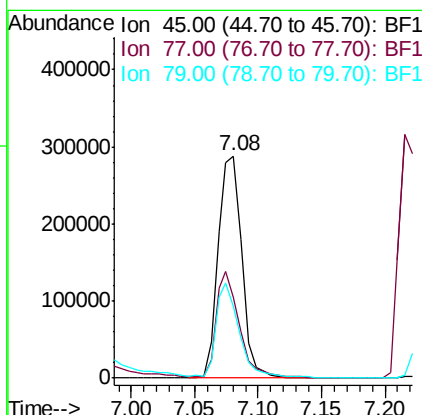
Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

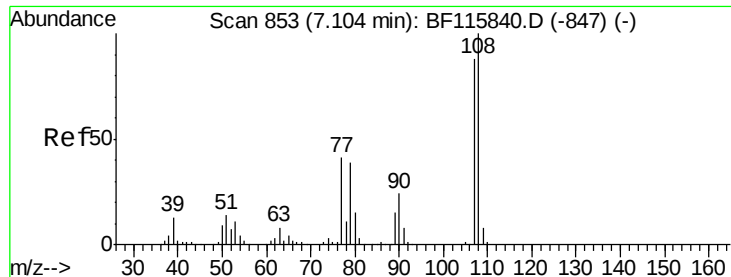
Tgt Ion: 79 Resp: 249590
Ion Ratio Lower Upper
79 100
108 78.4 62.7 94.1
77 65.0 52.2 78.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.904 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.01 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Tgt Ion: 45 Resp: 375777
Ion Ratio Lower Upper
45 100
77 36.4 0.0 40.0
79 32.2 0.0 35.9

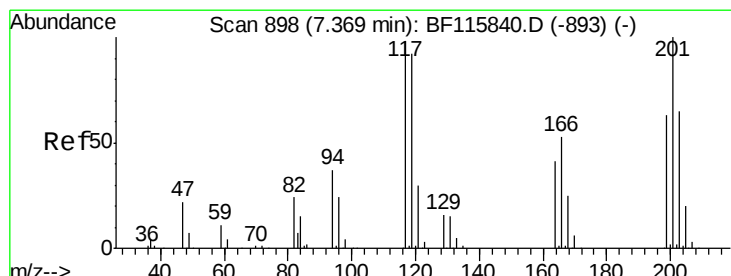
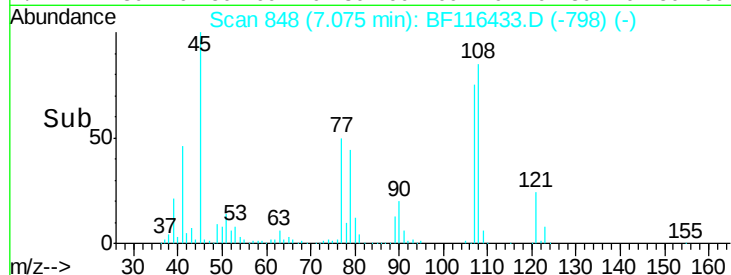
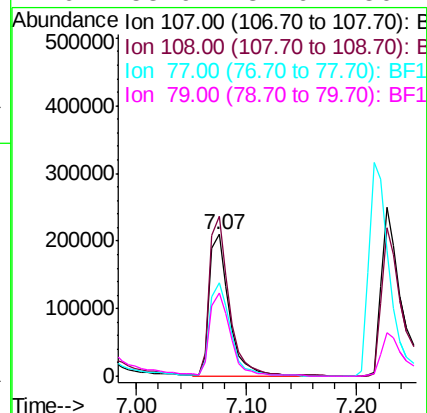
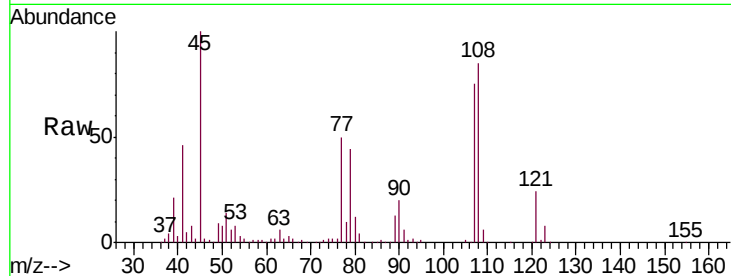




#17
 2-Methylphenol
 Concen: 41.485 ng
 RT: 7.07 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

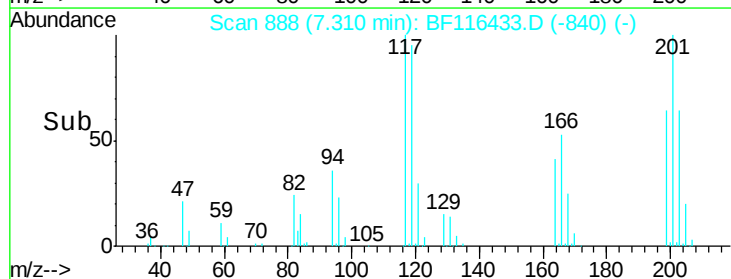
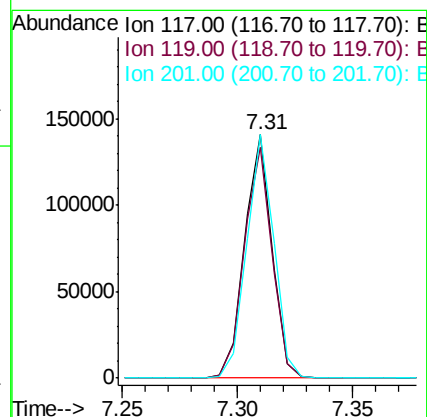
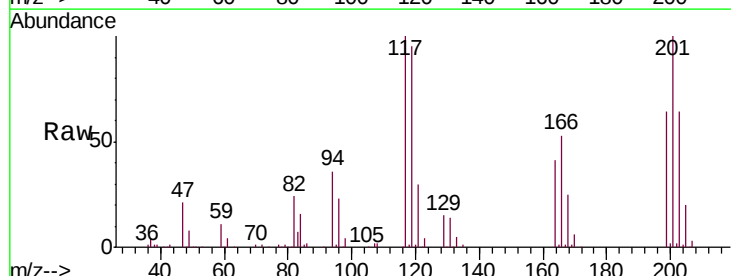
Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

Tgt Ion:107 Resp: 251817
 Ion Ratio Lower Upper
 107 100
 108 113.0 91.2 136.8
 77 66.2 40.3 60.5#
 79 58.9 37.6 56.4#



#18
 Hexachloroethane
 Concen: 38.063 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Tgt Ion:117 Resp: 116250
 Ion Ratio Lower Upper
 117 100
 119 94.9 76.1 114.1
 201 100.0 77.0 115.4

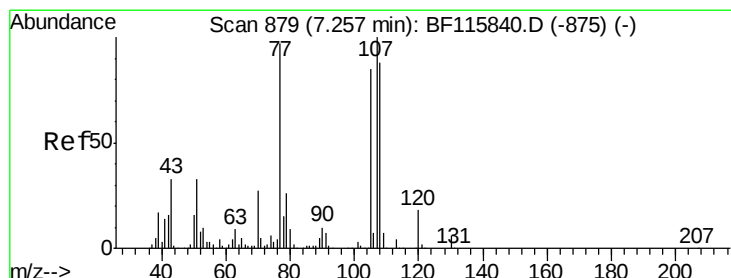
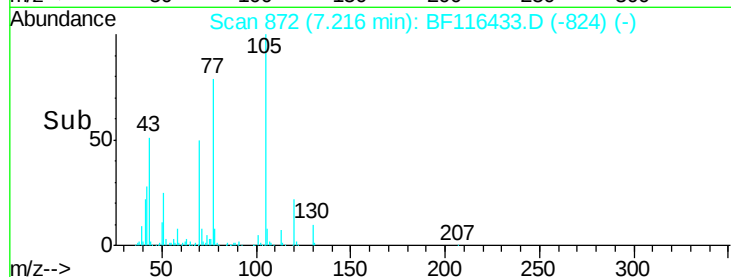
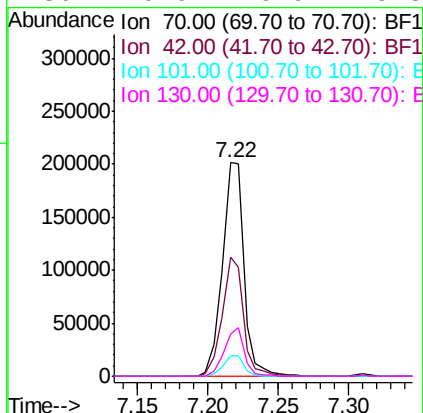
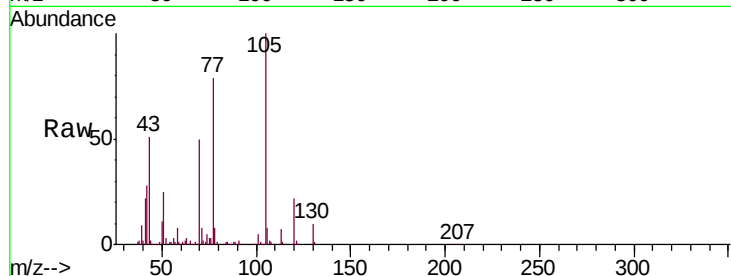




#19
n-Nitroso-di-n-propylamine
Concen: 42.316 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

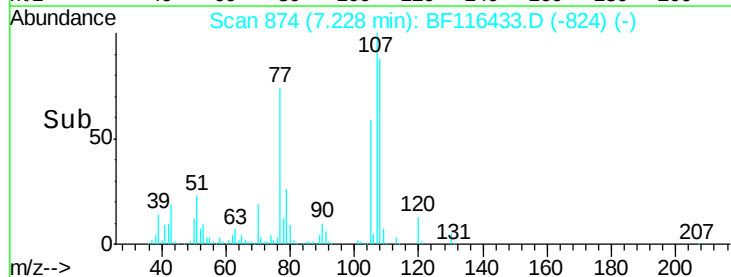
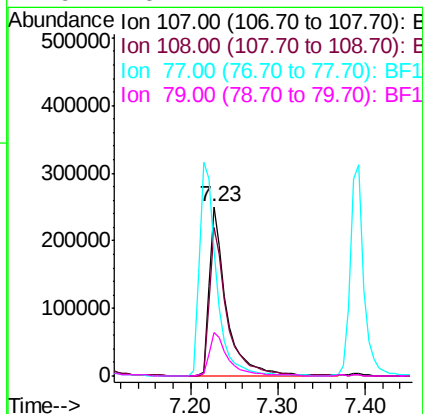
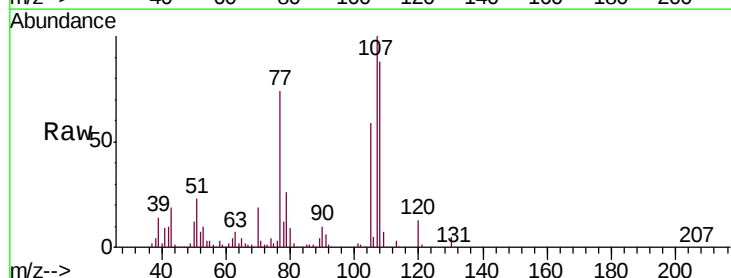
Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tgt Ion:	70	Resp:	214478
Ion	Ratio	Lower	Upper
70	100		
42	55.8	40.9	61.3
101	9.5	7.9	11.9
130	19.9	16.9	25.3



#20
3+4-Methylphenols
Concen: 46.335 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Tgt Ion:	107	Resp:	332835
Ion	Ratio	Lower	Upper
107	100		
108	88.1	67.6	107.6
77	74.1	104.4	144.4#
79	26.1	7.4	47.4

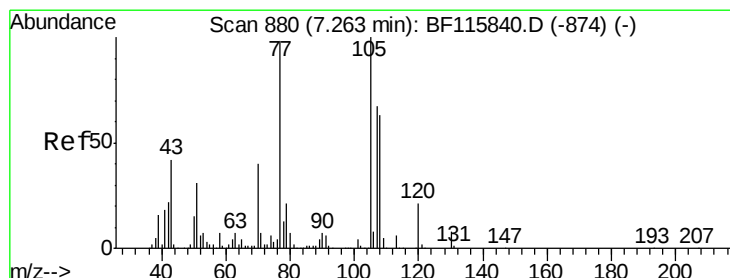
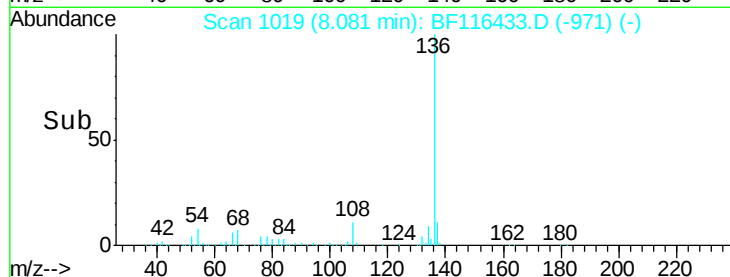
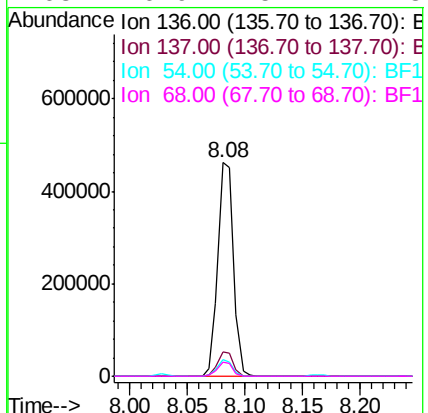
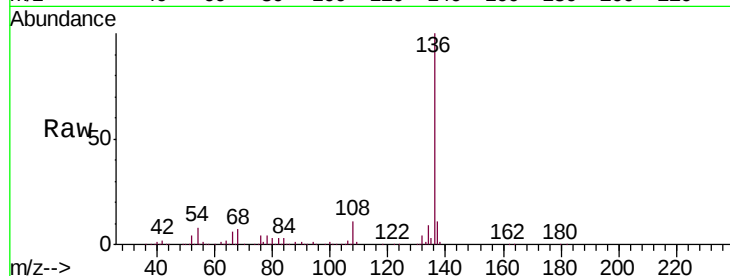




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

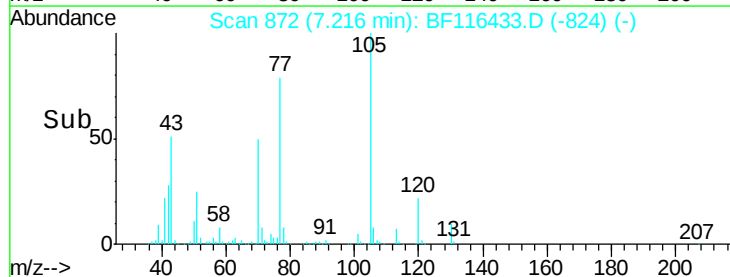
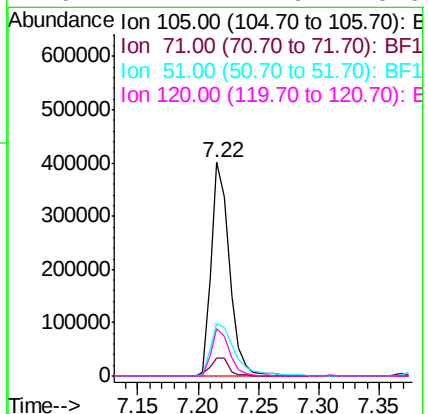
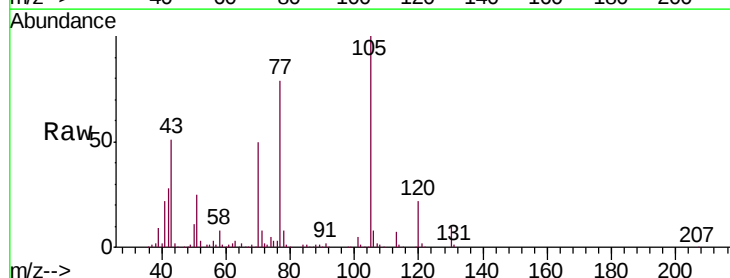
Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tgt Ion:	136	Resp:	440223
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.6	5.8	8.6
68	6.9	5.2	7.8



#22
Acetophenone
Concen: 43.091 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Tgt Ion:	105	Resp:	416032
Ion	Ratio	Lower	Upper
105	100		
71	8.4	5.9	8.9
51	24.8	25.3	37.9#
120	22.4	17.9	26.9

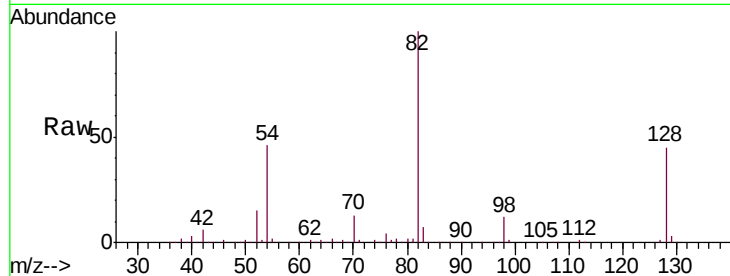




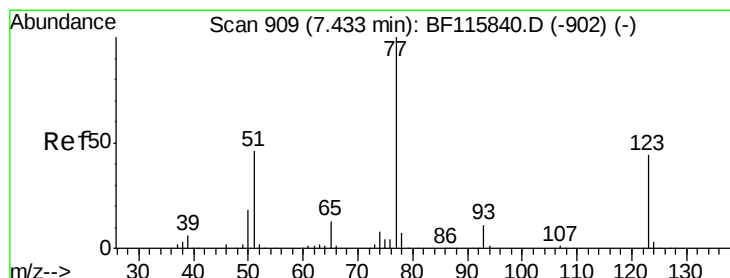
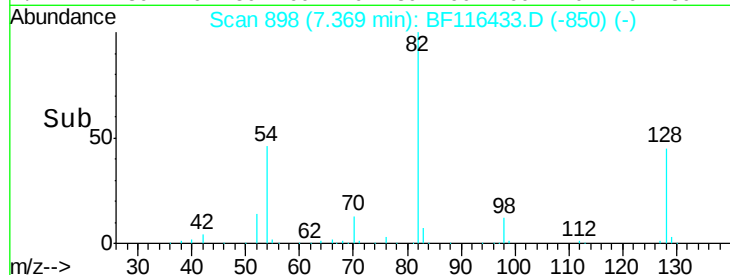
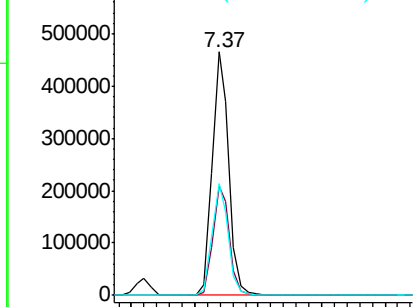
#23
 Nitrobenzene-d5
 Concen: 56.399 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

Tgt Ion: 82 Resp: 430123
 Ion Ratio Lower Upper
 82 100
 128 44.8 36.5 54.7
 54 46.0 36.0 54.0

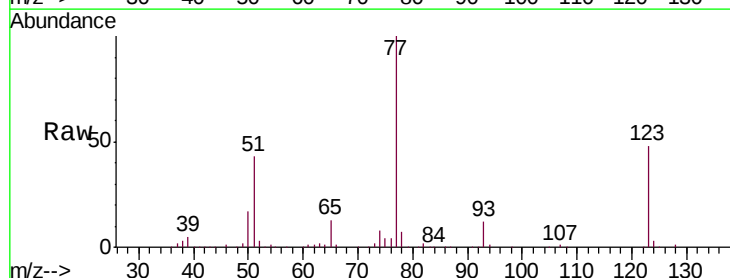


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

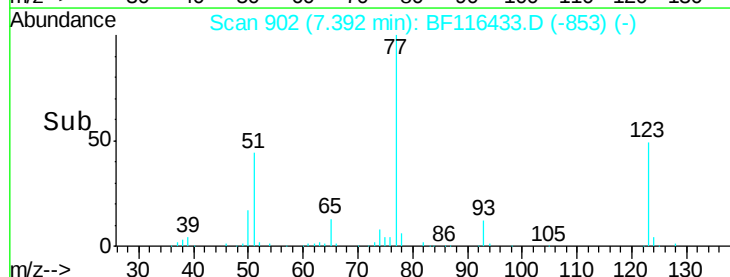
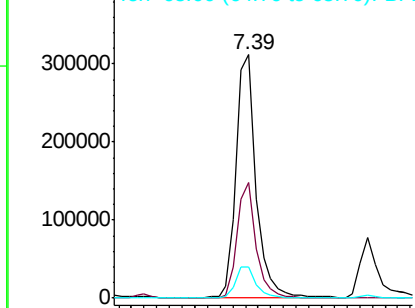


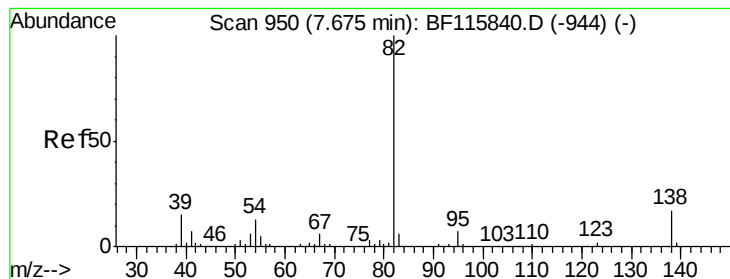
#24
 Nitrobenzene
 Concen: 40.933 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Tgt Ion: 77 Resp: 337078
 Ion Ratio Lower Upper
 77 100
 123 47.6 36.7 55.1
 65 12.9 10.6 16.0



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: 41.804 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

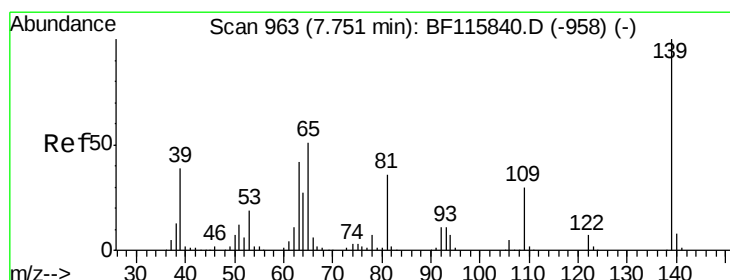
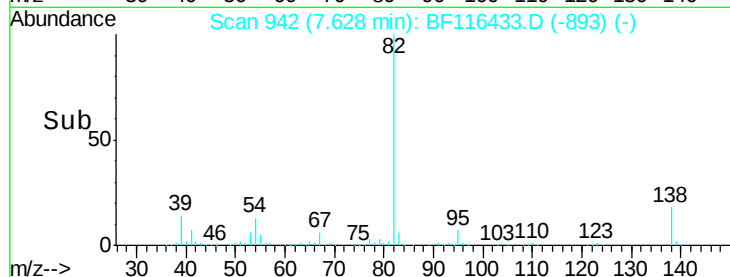
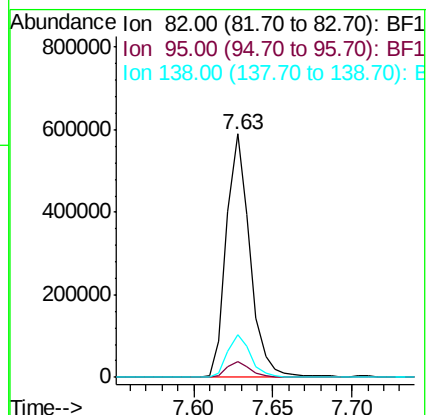
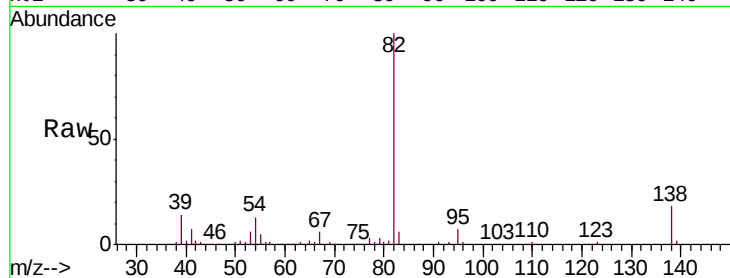
Tgt Ion: 82 Resp: 609631

Ion Ratio Lower Upper

82 100

95 6.6 5.4 8.0

138 17.6 14.5 21.7



#26

2-Nitrophenol

Concen: 42.430 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

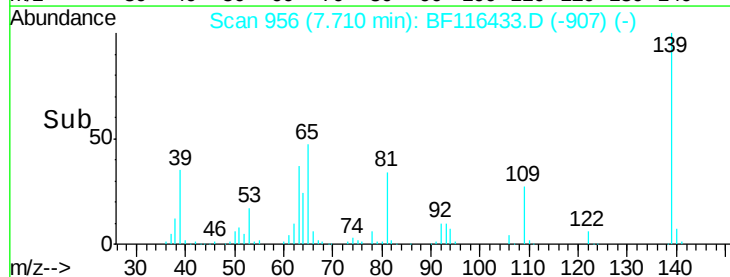
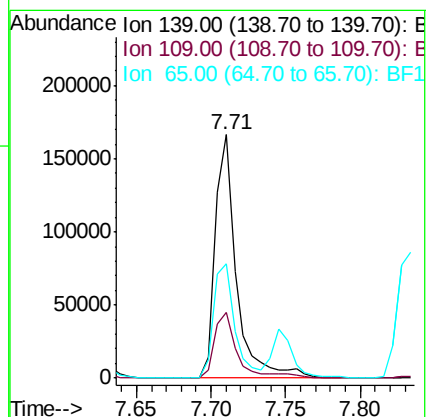
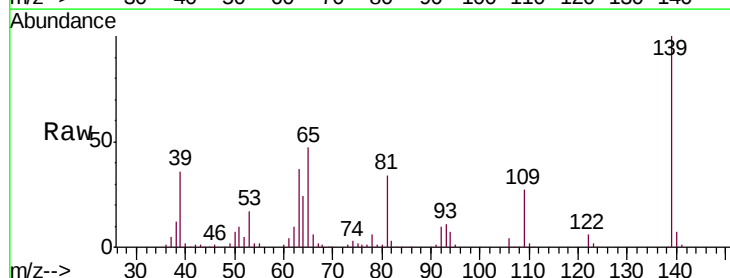
Tgt Ion: 139 Resp: 164702

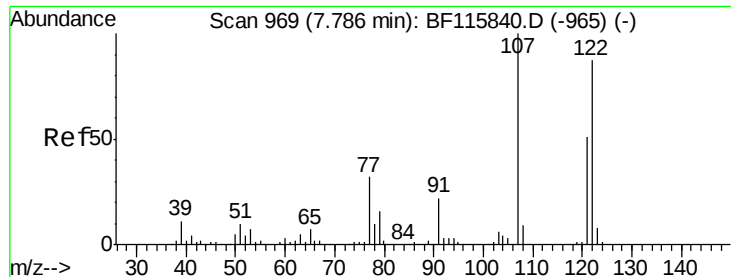
Ion Ratio Lower Upper

139 100

109 27.1 23.4 35.2

65 47.2 41.1 61.7

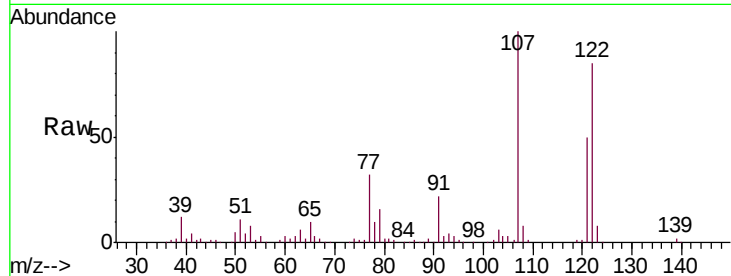




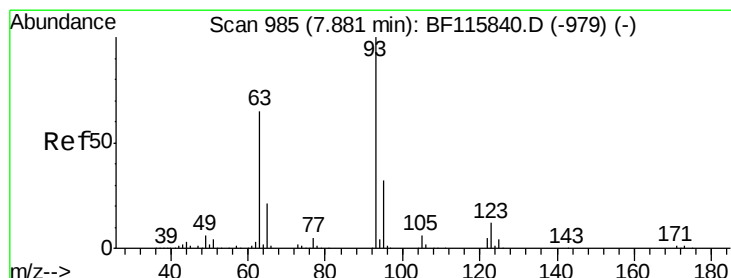
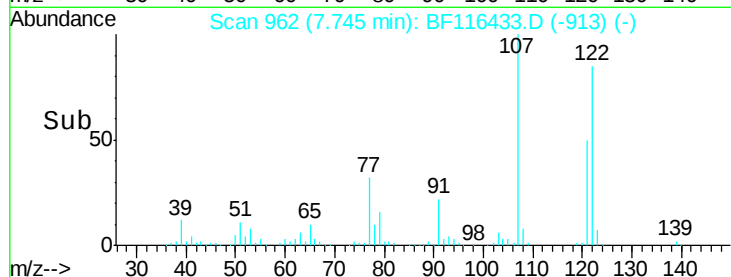
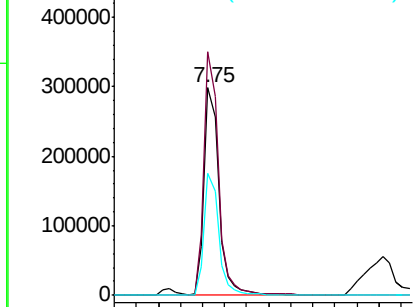
#27
 2,4-Dimethylphenol
 Concen: 46.357 ng
 RT: 7.75 min Scan# 962
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

Tgt Ion:122 Resp: 270724
 Ion Ratio Lower Upper
 122 100
 107 117.4 93.0 139.6
 121 59.1 47.6 71.4

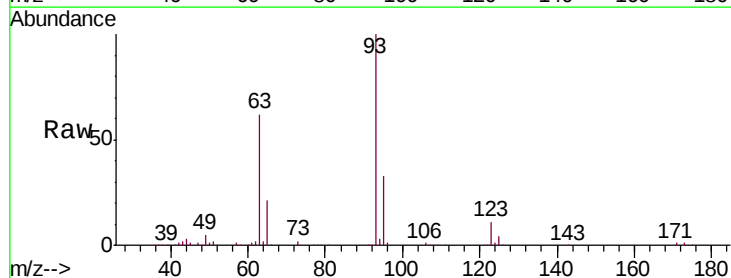


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

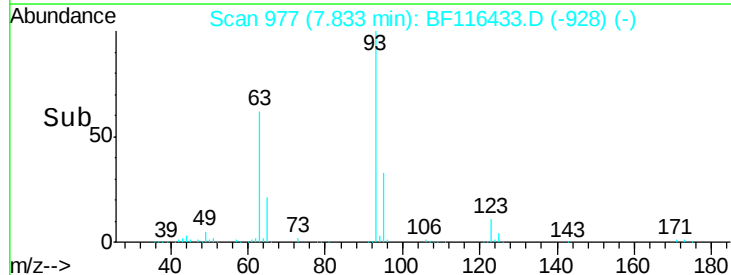
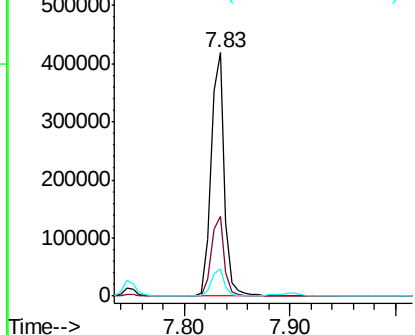


#28
 bis(2-Chloroethoxy)methane
 Concen: 41.126 ng
 RT: 7.83 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Tgt Ion: 93 Resp: 371732
 Ion Ratio Lower Upper
 93 100
 95 32.9 26.2 39.4
 123 11.5 9.2 13.8



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

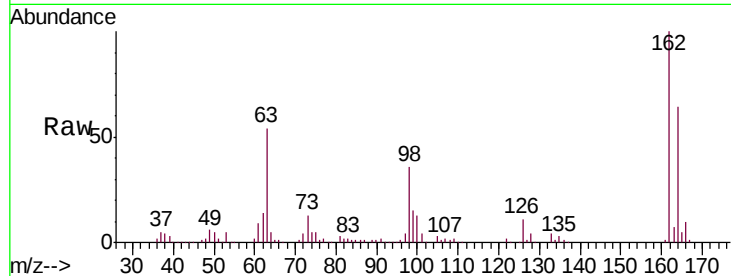




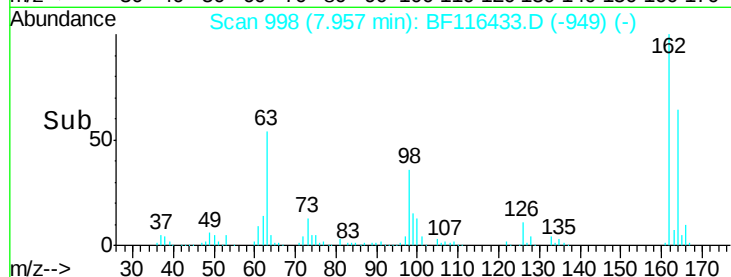
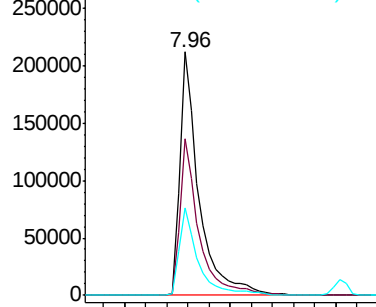
#29
2,4-Dichlorophenol
Concen: 43.418 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.4	45.1	85.1
98	36.0	15.8	55.8

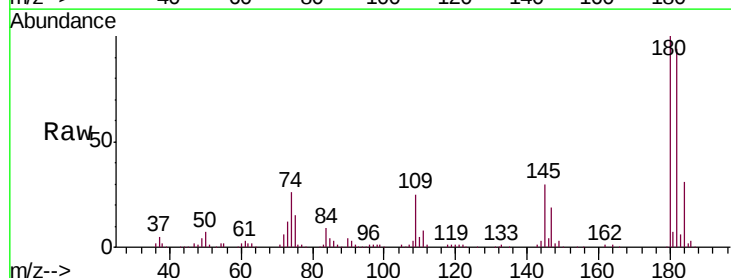


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

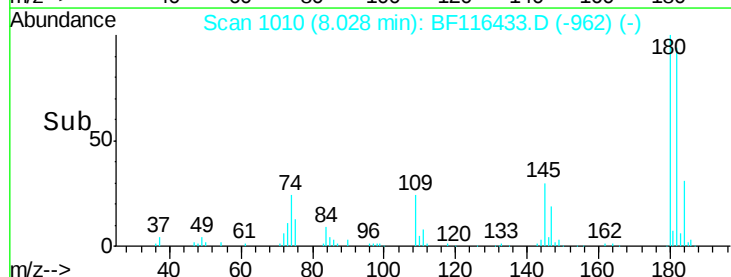
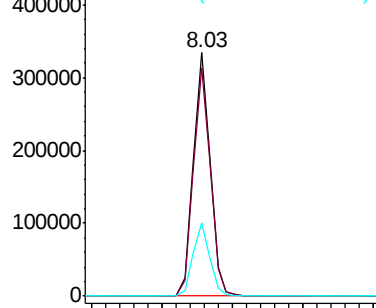


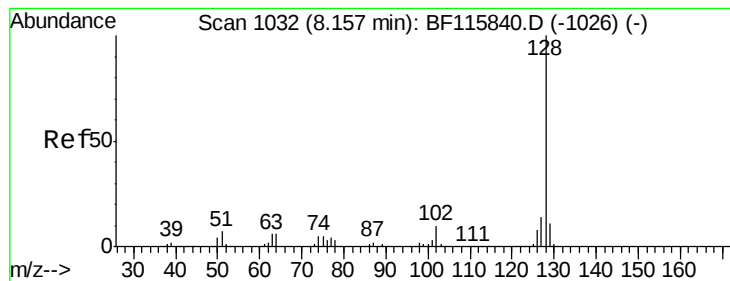
#30
1,2,4-Trichlorobenzene
Concen: 39.440 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.7	113.5
145	30.1	24.3	36.5



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: 41.998 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

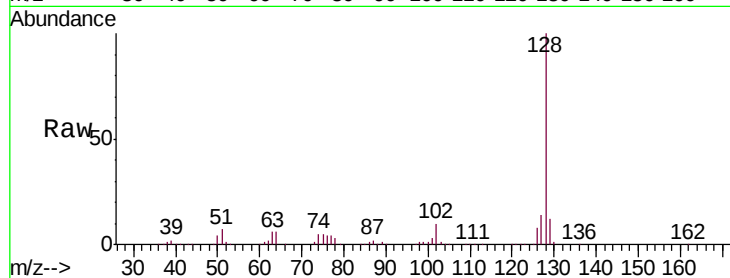
Tgt Ion:128 Resp: 870023

Ion Ratio Lower Upper

128 100

129 11.5 9.3 13.9

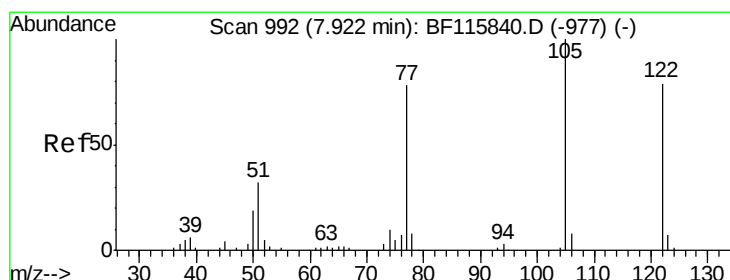
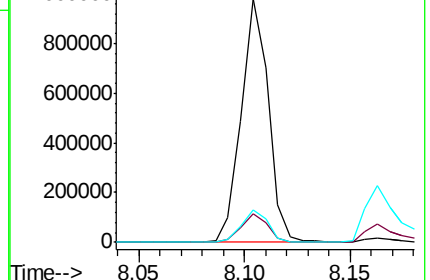
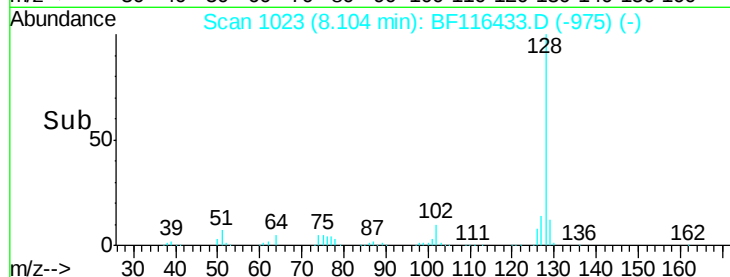
127 13.5 11.4 17.0



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: 29.586 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

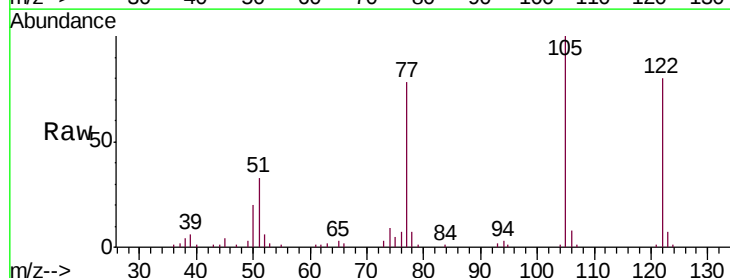
Tgt Ion:122 Resp: 121816

Ion Ratio Lower Upper

122 100

105 125.1 106.1 146.1

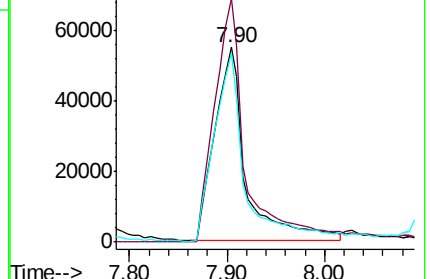
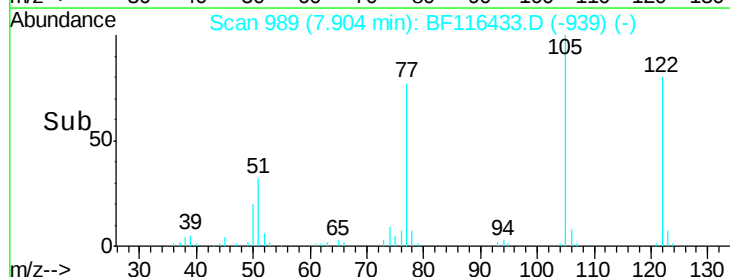
77 97.2 76.7 116.7

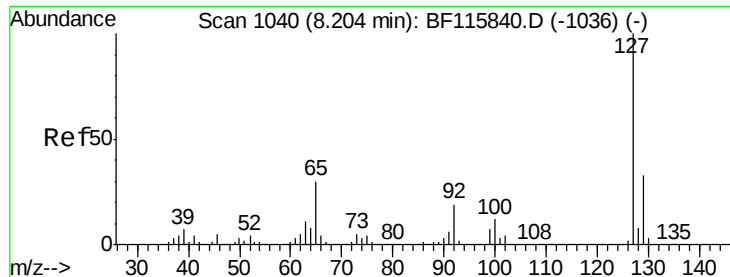


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

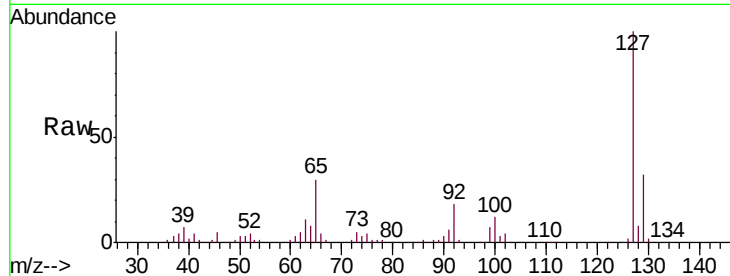




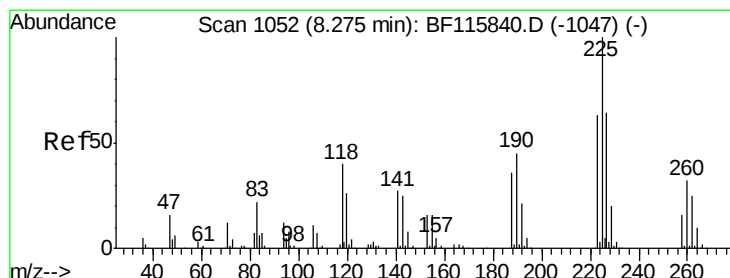
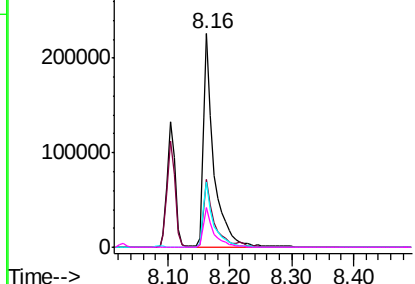
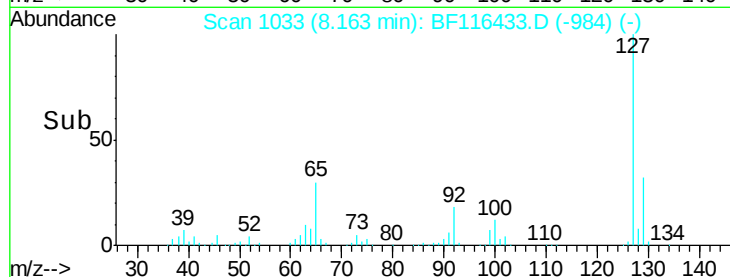
#33
4-Chloroaniline
Concen: 29.694 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tgt Ion:	127	Resp:	274851
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.1	39.1
65	30.3	24.9	37.3
92	18.5	15.7	23.5

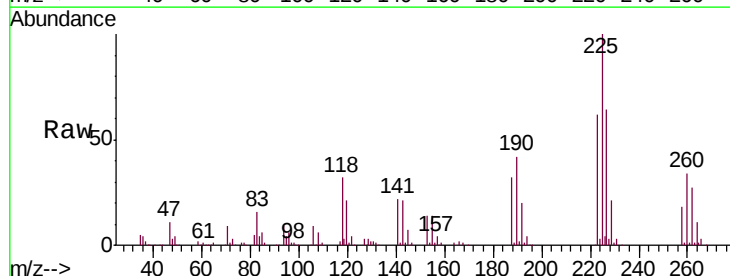


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

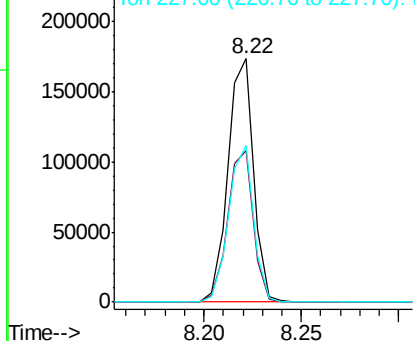
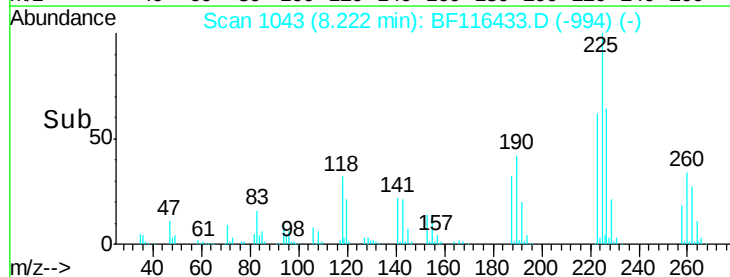


#34
Hexachlorobutadiene
Concen: 38.863 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Tgt Ion:	225	Resp:	157344
Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.0	75.0
227	64.4	51.0	76.4



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

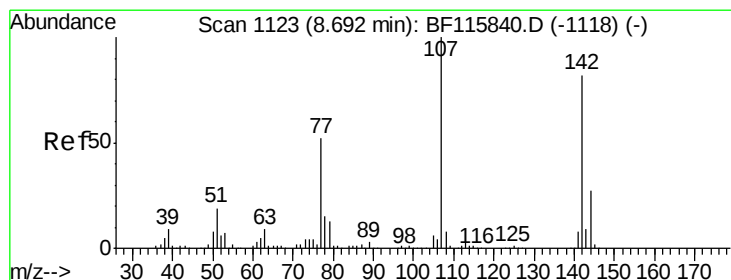
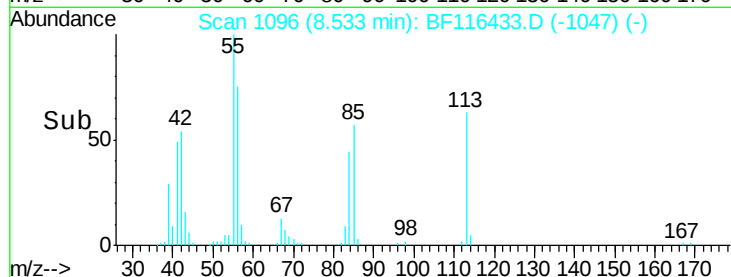
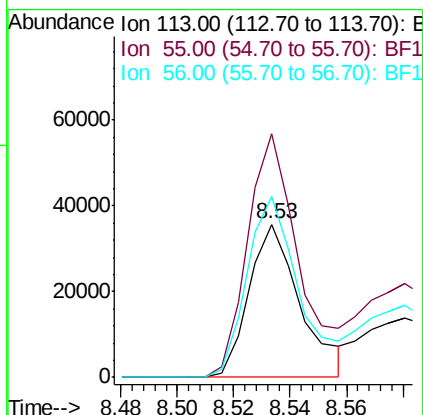
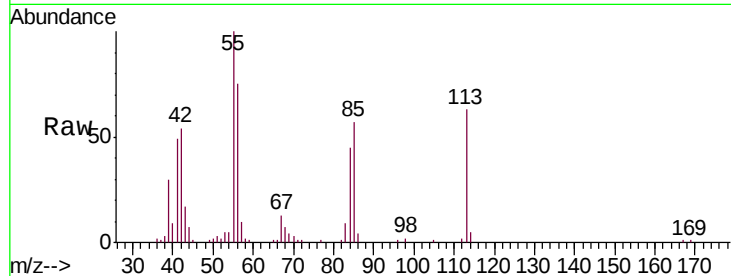




#35
 Caprolactam
 Concen: 22.455 ng
 RT: 8.53 min Scan# 1096
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

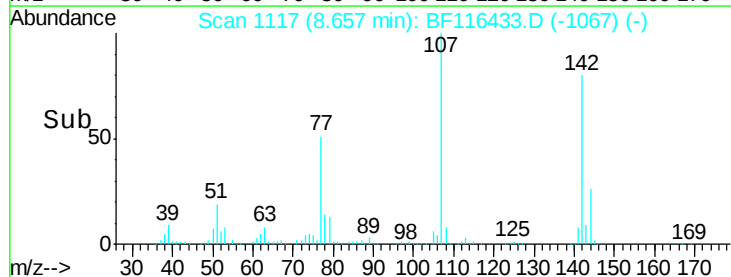
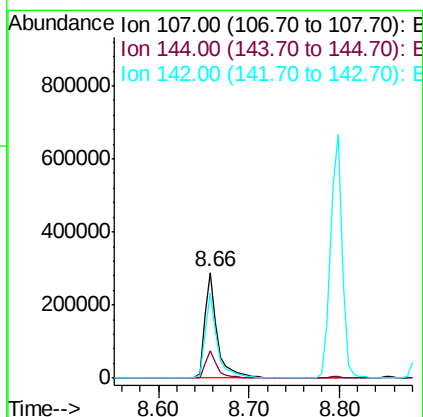
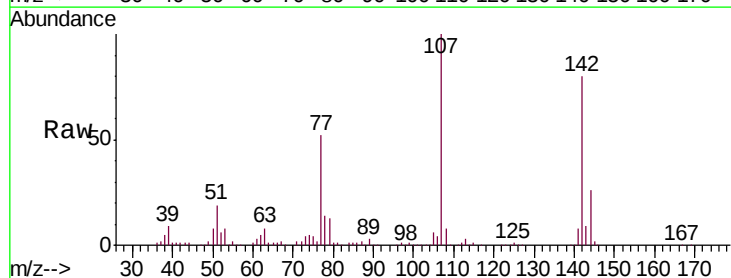
Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

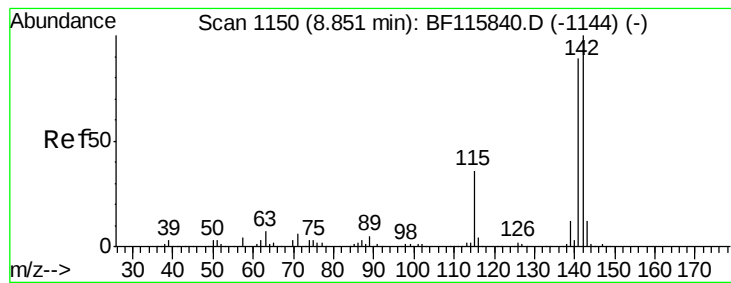
Tgt Ion:113 Resp: 44783
 Ion Ratio Lower Upper
 113 100
 55 159.4 144.3 184.3
 56 118.8 97.1 137.1



#36
 4-Chloro-3-methylphenol
 Concen: 43.768 ng
 RT: 8.66 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Tgt Ion:107 Resp: 280768
 Ion Ratio Lower Upper
 107 100
 144 26.2 20.2 30.2
 142 80.2 61.7 92.5

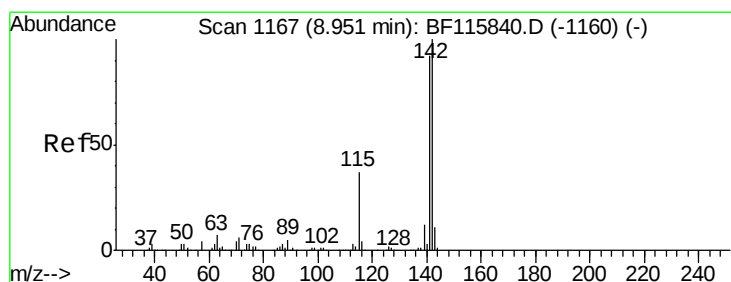
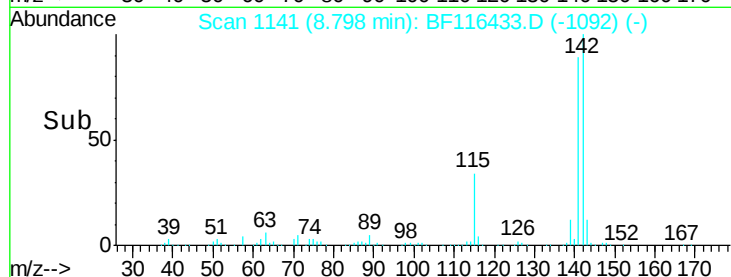
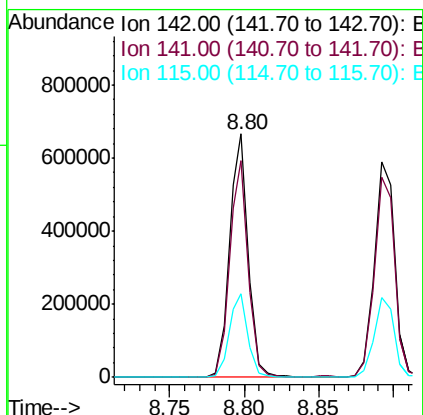
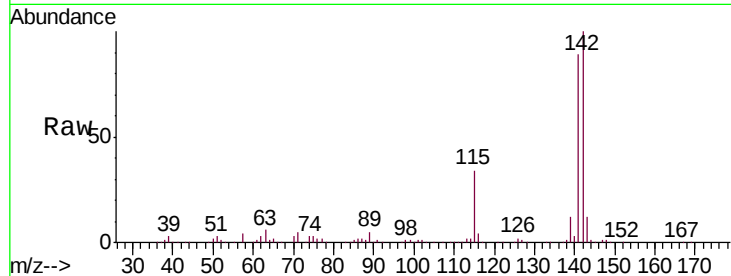




#37
2-Methylnaphthalene
Concen: 43.033 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

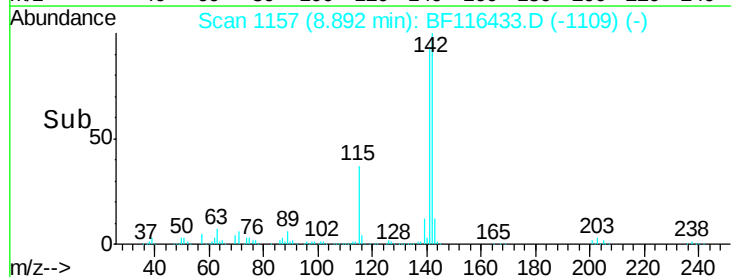
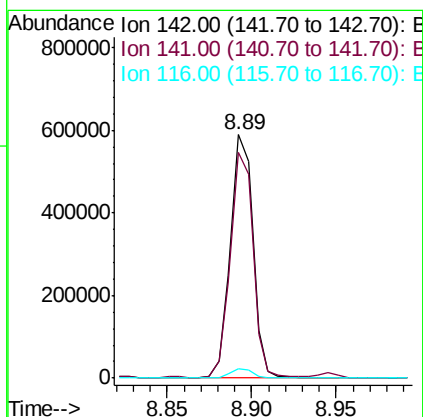
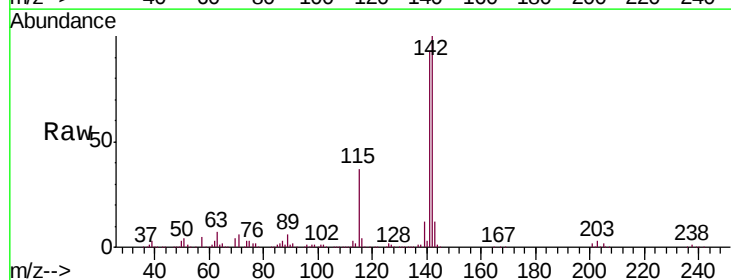
Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

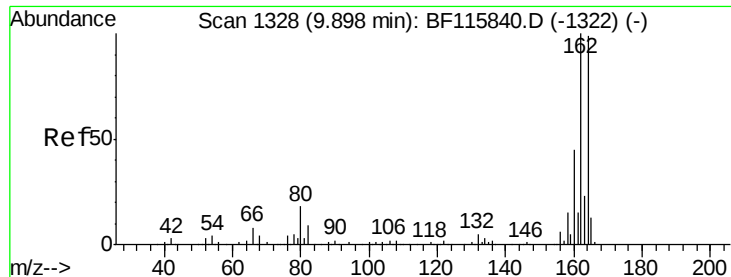
Tgt Ion:142 Resp: 587114
Ion Ratio Lower Upper
142 100
141 89.2 70.9 106.3
115 34.2 29.0 43.6



#38
1-Methylnaphthalene
Concen: 42.365 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Tgt Ion:142 Resp: 546805
Ion Ratio Lower Upper
142 100
141 92.8 74.4 111.6
116 4.0 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

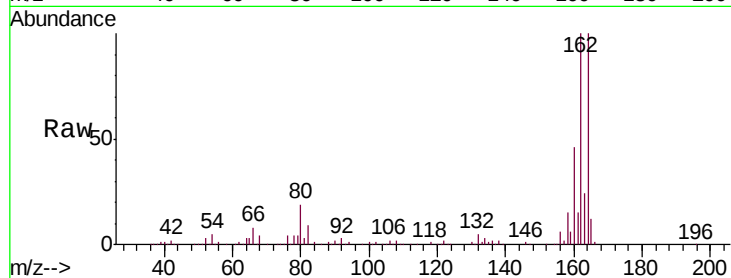
Tgt Ion:164 Resp: 245922

Ion Ratio Lower Upper

164 100

162 99.6 82.6 124.0

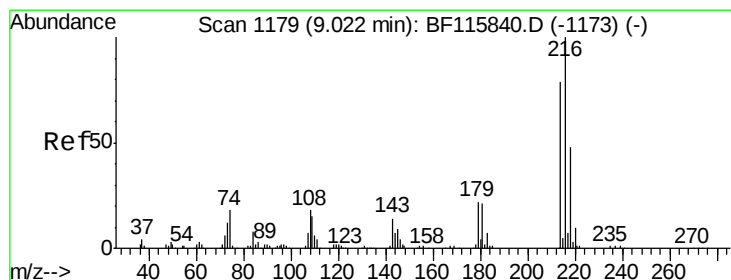
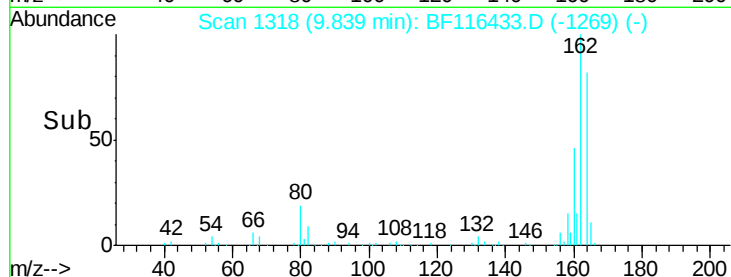
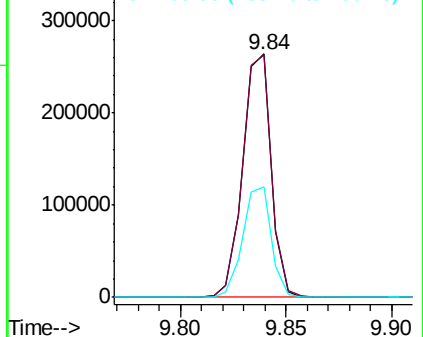
160 45.6 37.6 56.4



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: 40.377 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

Tgt Ion:216 Resp: 265459

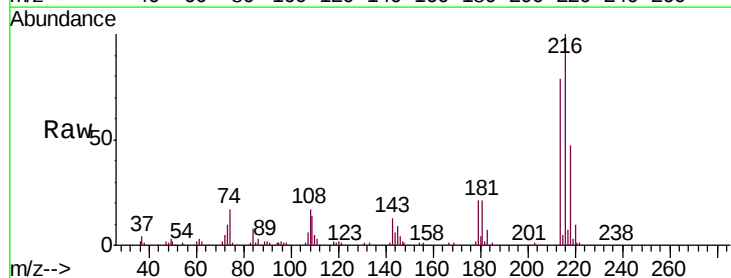
Ion Ratio Lower Upper

216 100

214 80.0 63.6 95.4

179 22.5 17.8 26.8

108 20.2 16.5 24.7

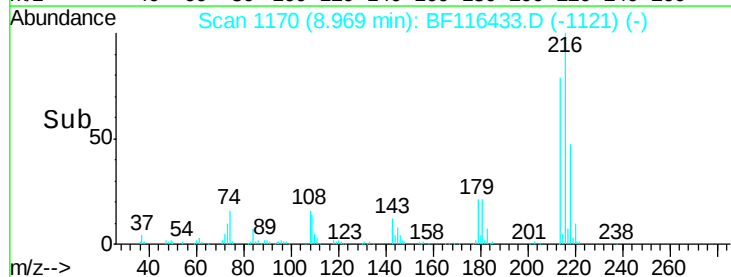
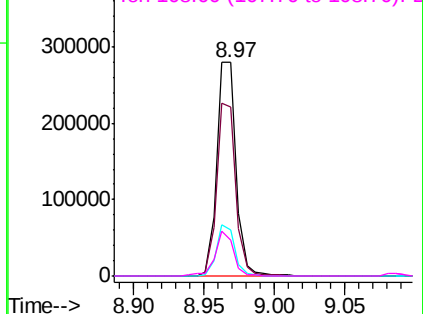


Abundance Ion 216.00 (215.70 to 216.70): E

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: 29.797 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.02 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

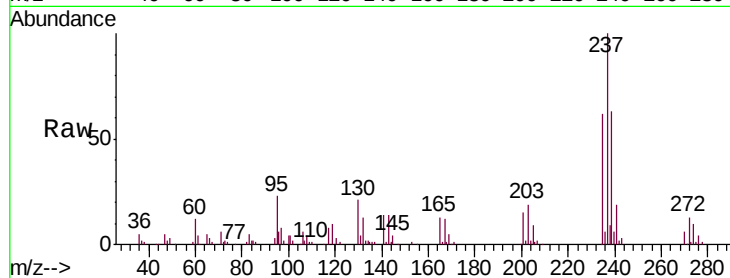
Tgt Ion: 237 Resp: 76099

Ion Ratio Lower Upper

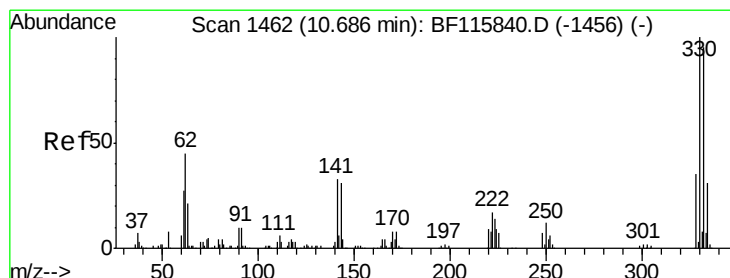
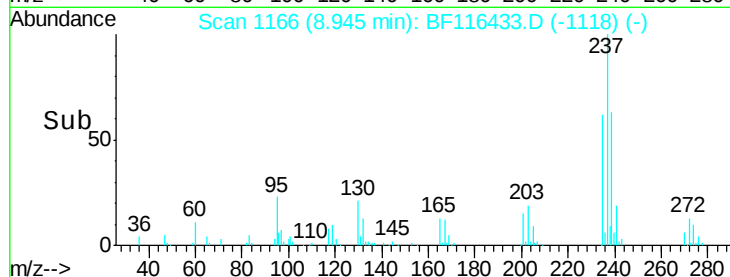
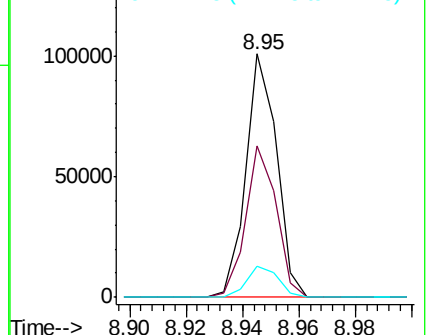
237 100

235 62.3 43.4 83.4

272 12.6 0.0 33.2



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: 81.867 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

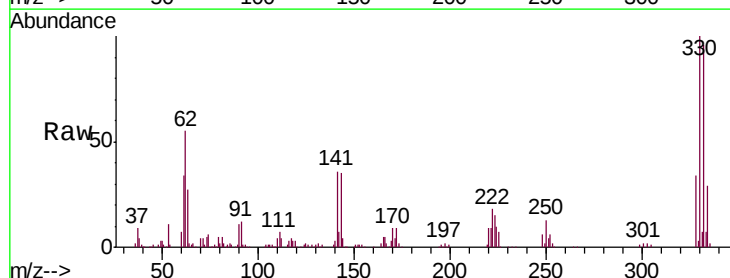
Tgt Ion: 330 Resp: 195195

Ion Ratio Lower Upper

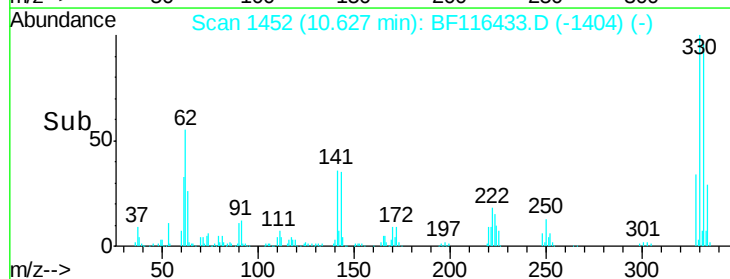
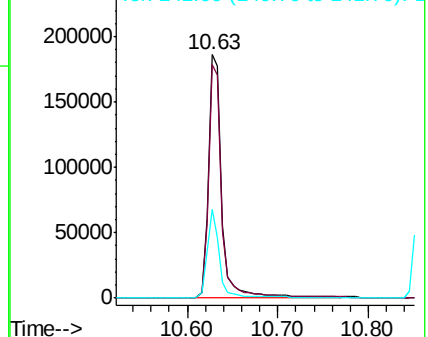
330 100

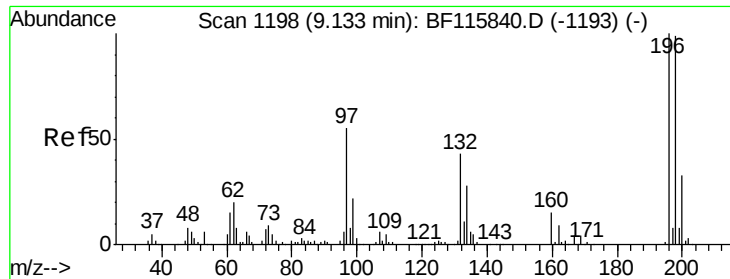
332 96.9 76.8 115.2

141 32.8 26.3 39.5



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

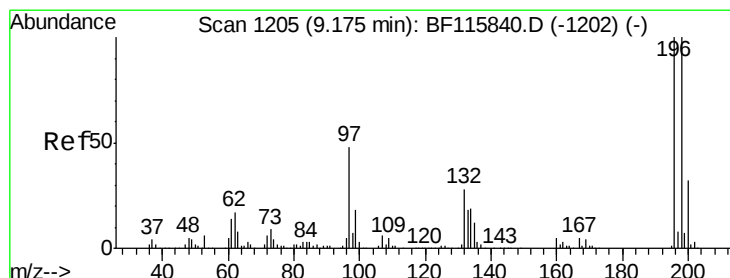
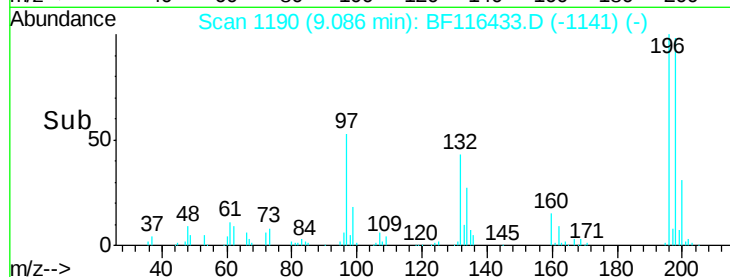
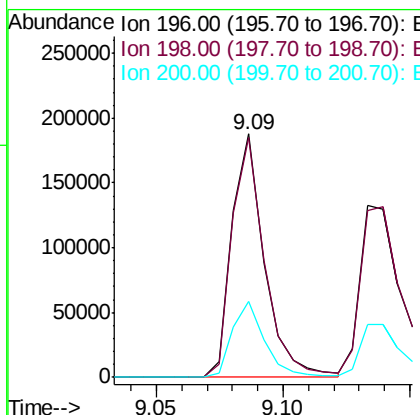
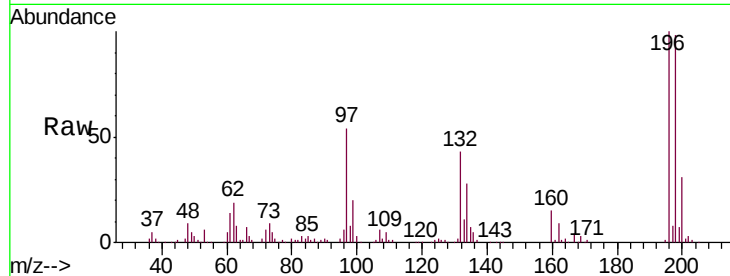




#43
 2,4,6-Trichlorophenol
 Concen: 37.172 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

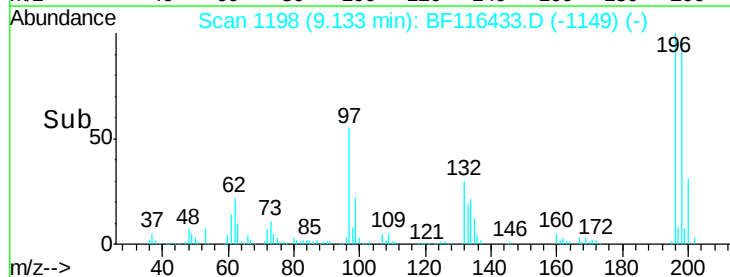
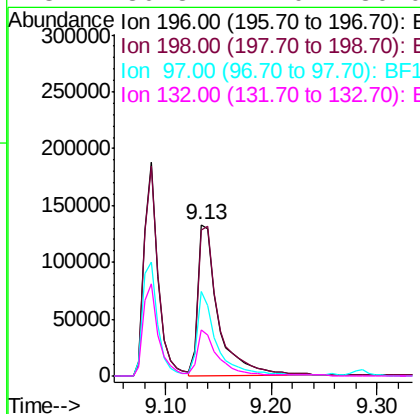
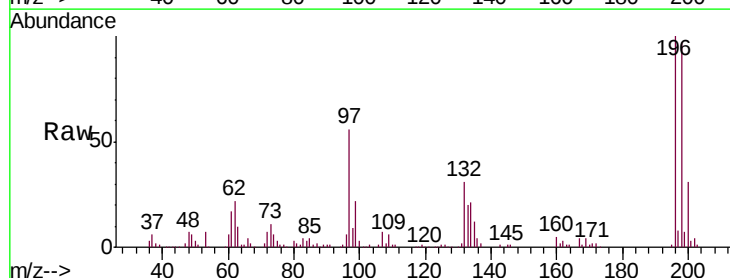
Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

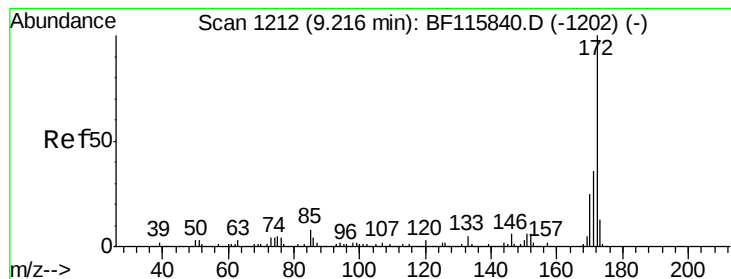
Tgt Ion:	196	Resp:	168217
Ion	Ratio	Lower	Upper
196	100		
198	98.3	79.2	118.8
200	31.4	25.2	37.8



#44
 2,4,5-Trichlorophenol
 Concen: 37.686 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Tgt Ion:	196	Resp:	176290
Ion	Ratio	Lower	Upper
196	100		
198	96.8	78.8	118.2
97	56.0	42.2	63.4
132	30.8	24.0	36.0





#45

2-Fluorobiphenyl

Concen: 55.670 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

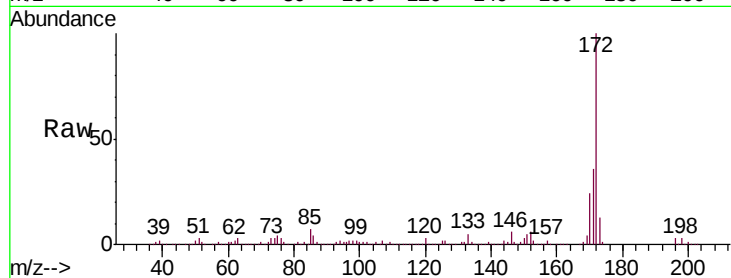
Tgt Ion:172 Resp: 730911

Ion Ratio Lower Upper

172 100

171 35.8 29.6 44.4

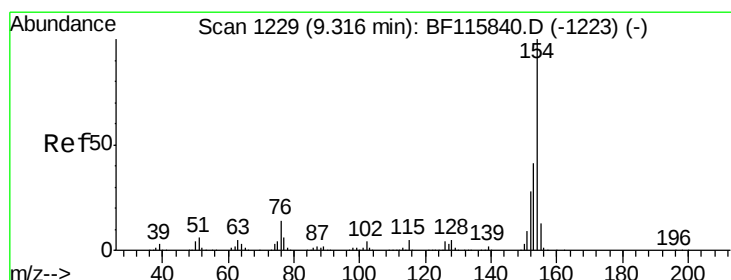
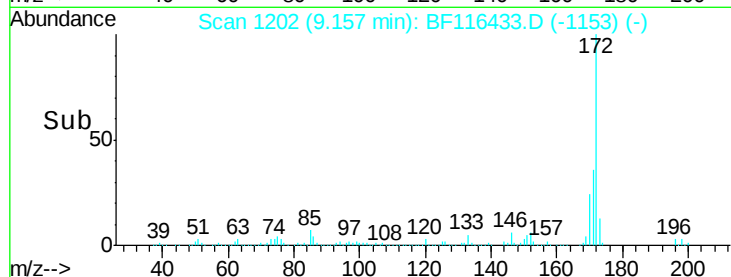
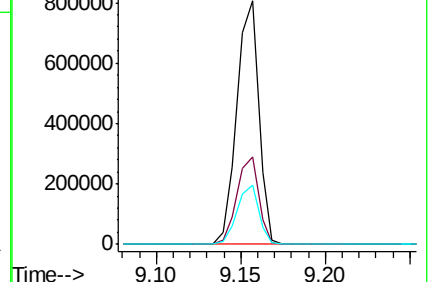
170 24.2 20.1 30.1



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: 41.497 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.02 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

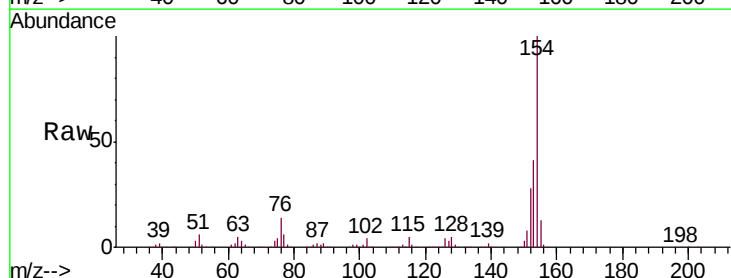
Tgt Ion:154 Resp: 720479

Ion Ratio Lower Upper

154 100

153 41.3 21.4 61.4

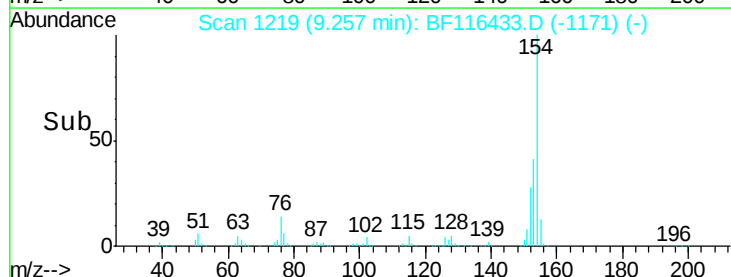
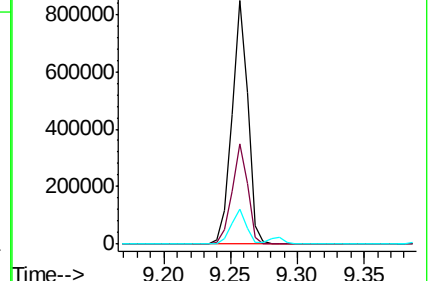
76 14.2 0.0 35.2

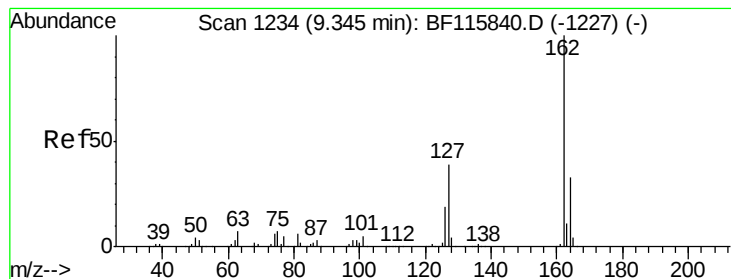


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 39.195 ng

RT: 9.29 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

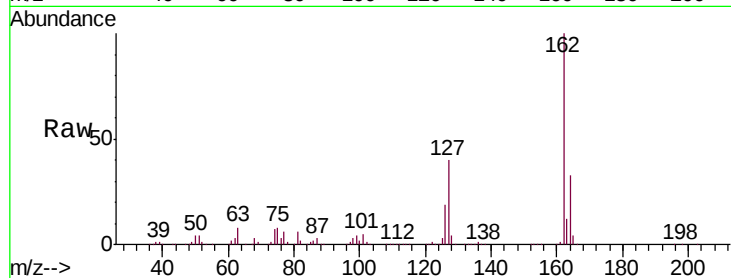
Tgt Ion: 162 Resp: 566378

Ion Ratio Lower Upper

162 100

127 40.0 32.8 49.2

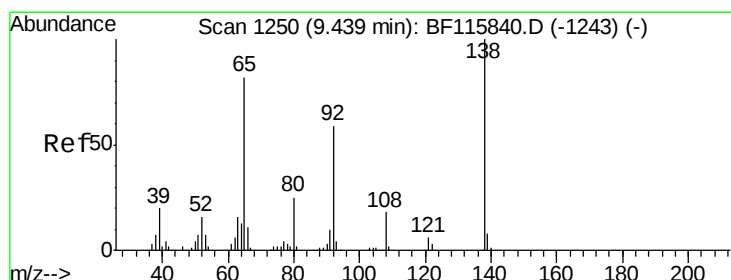
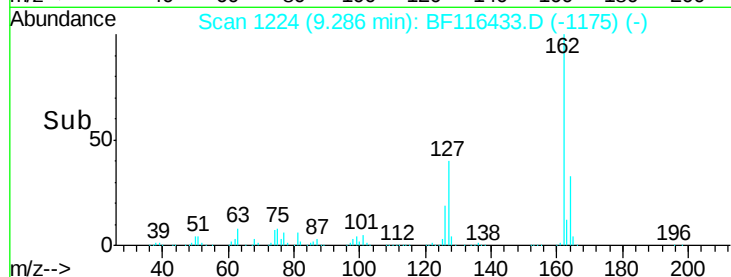
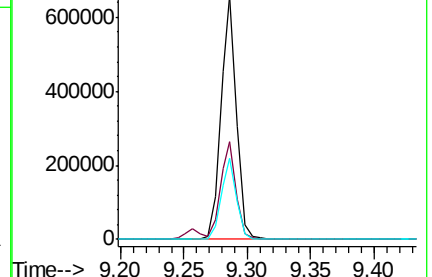
164 33.1 26.6 39.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 38.800 ng

RT: 9.39 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

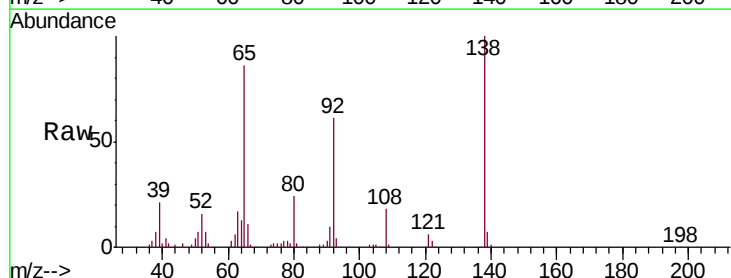
Tgt Ion: 65 Resp: 185321

Ion Ratio Lower Upper

65 100

92 71.2 57.8 86.8

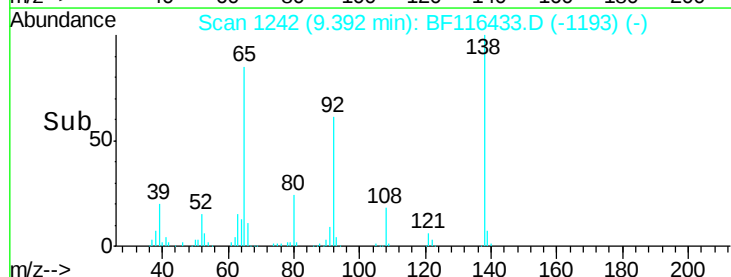
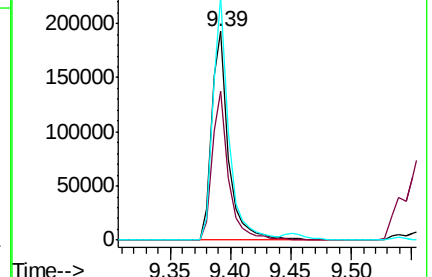
138 116.7 94.0 141.0

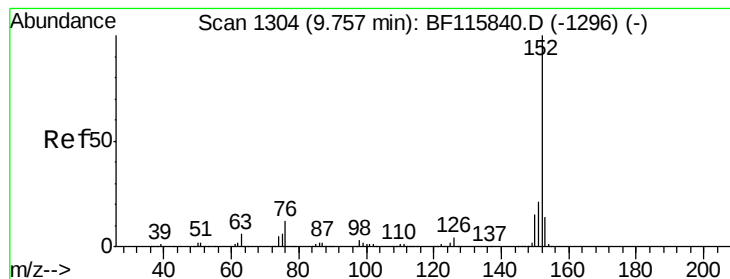


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 40.847 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

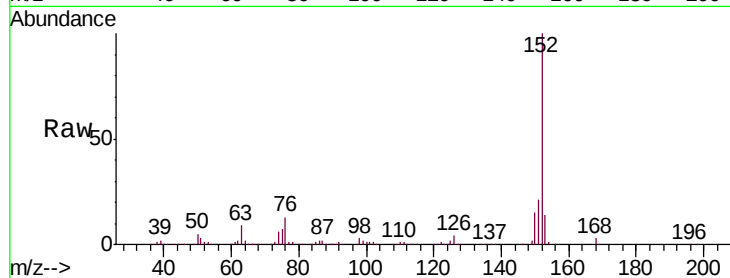
Tgt Ion:152 Resp: 861114

Ion Ratio Lower Upper

152 100

151 20.9 17.2 25.8

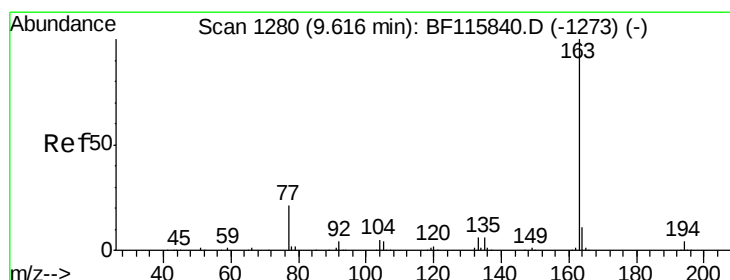
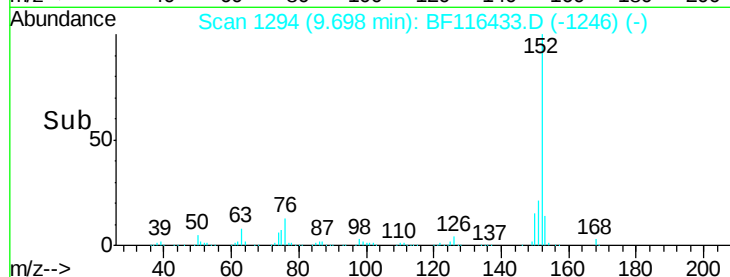
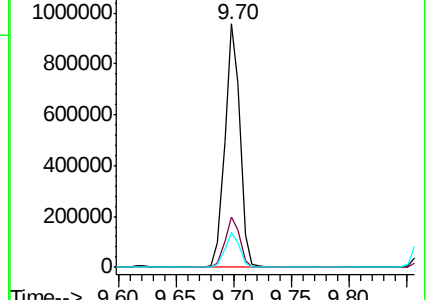
153 14.3 11.8 17.8



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: 48.574 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

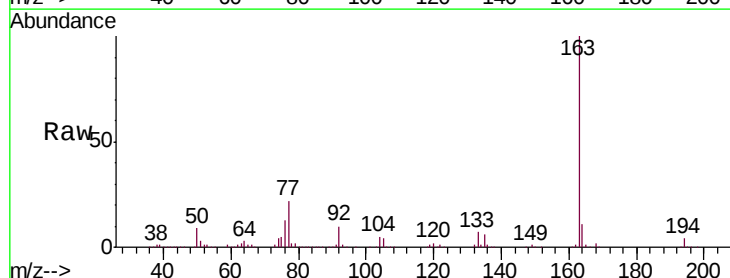
Tgt Ion:163 Resp: 813341

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

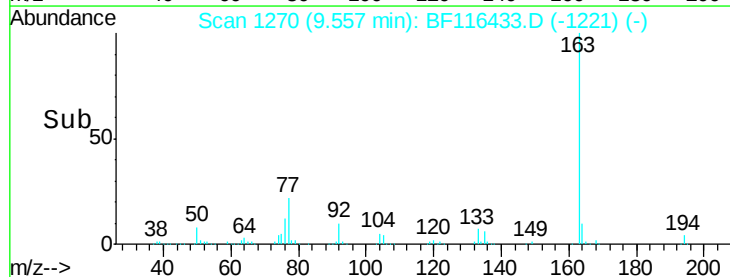
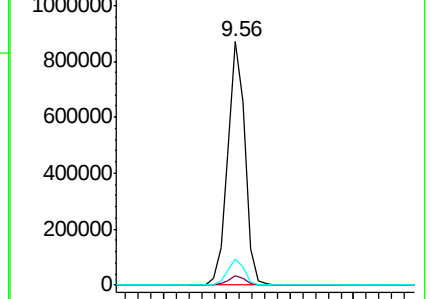
164 10.6 8.4 12.6

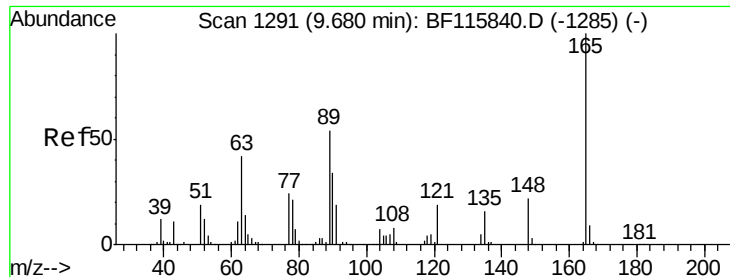


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 41.289 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

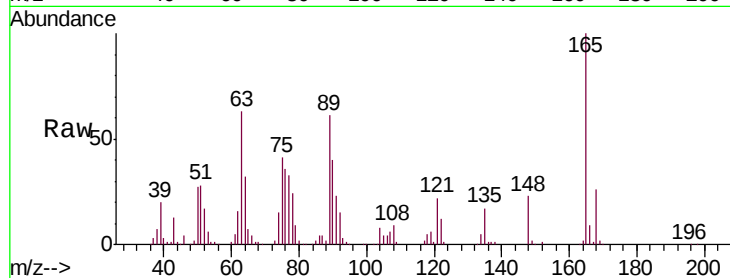
Tgt Ion:165 Resp: 150245

Ion Ratio Lower Upper

165 100

63 63.1 38.2 57.2#

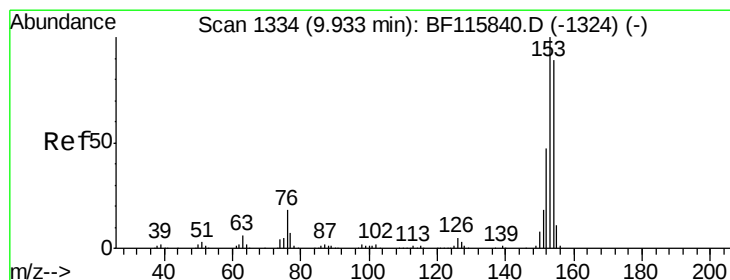
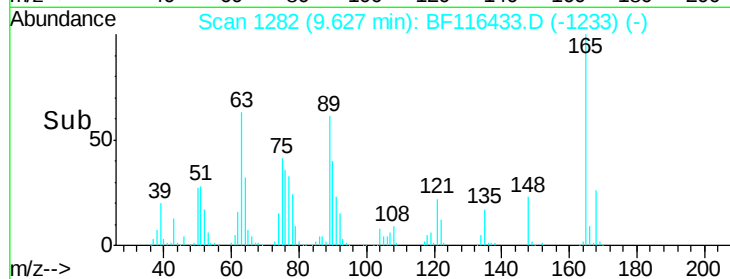
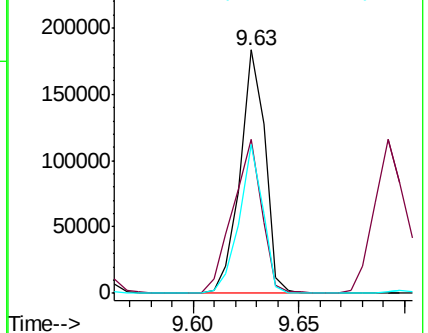
89 61.3 42.9 64.3



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 40.451 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

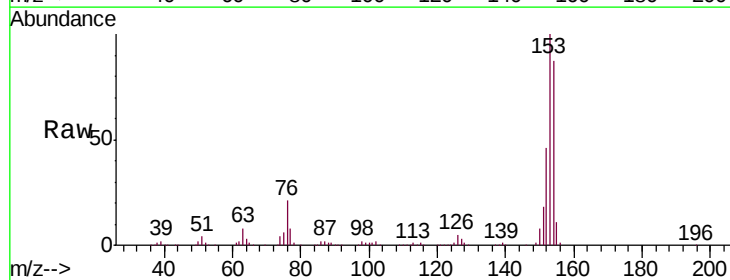
Tgt Ion:154 Resp: 523165

Ion Ratio Lower Upper

154 100

153 114.8 89.4 134.0

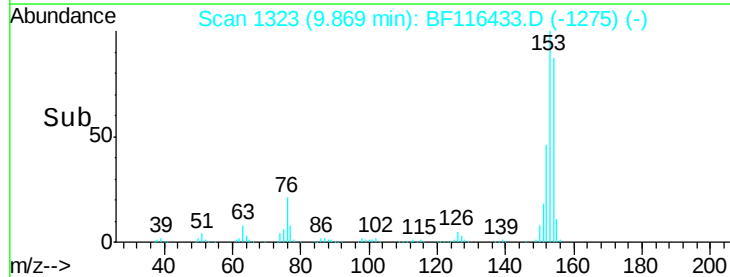
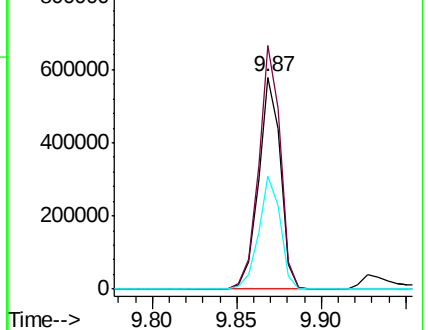
152 53.3 42.3 63.5

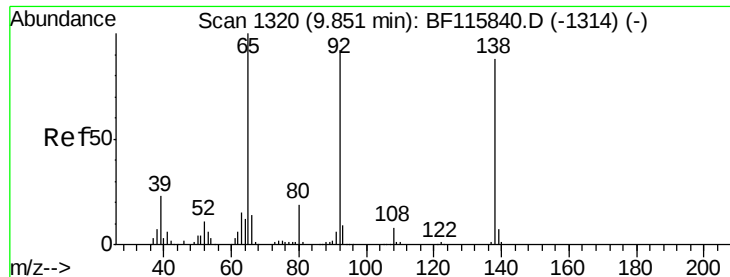


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

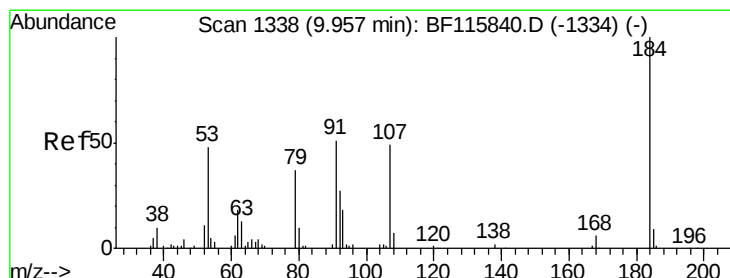
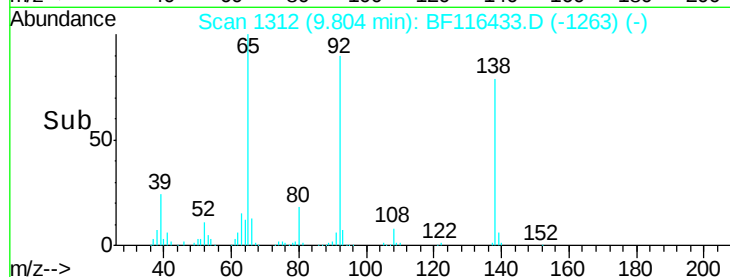
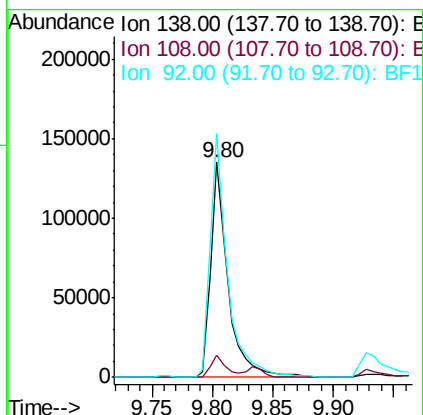
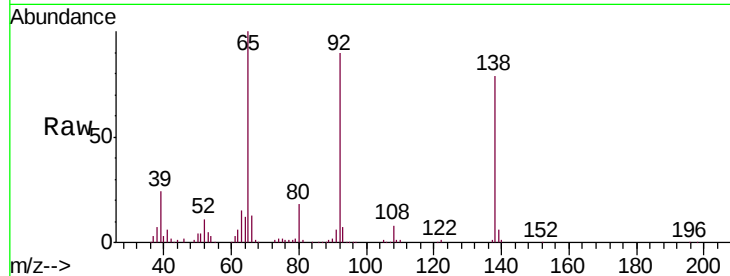




#53
 3-Nitroaniline
 Concen: 29.547 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

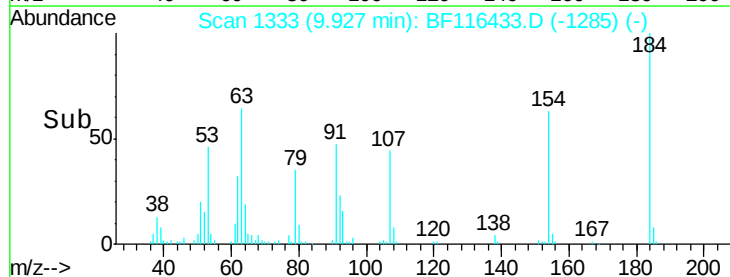
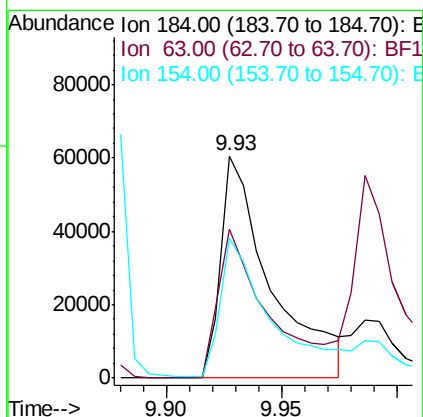
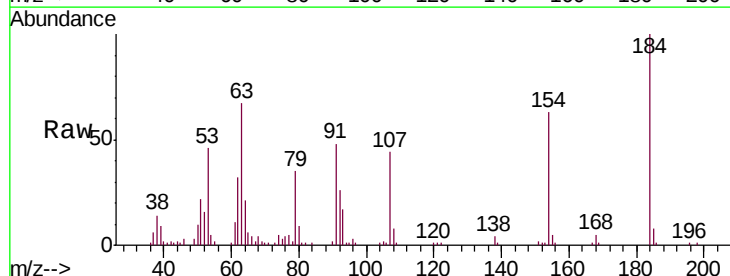
Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

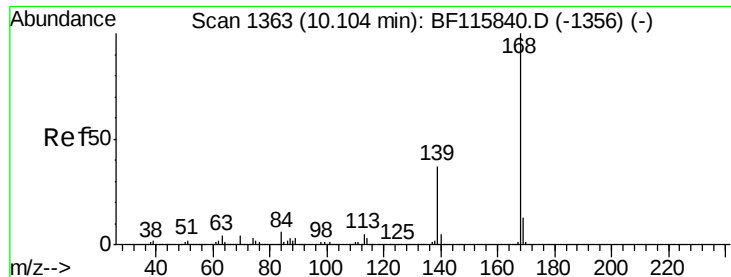
Tgt Ion:138 Resp: 132850
 Ion Ratio Lower Upper
 138 100
 108 10.4 8.0 12.0
 92 113.0 91.0 136.6



#54
 2,4-Dinitrophenol
 Concen: 52.369 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.02 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Tgt Ion:184 Resp: 91389
 Ion Ratio Lower Upper
 184 100
 63 67.0 53.0 79.4
 154 62.8 50.1 75.1

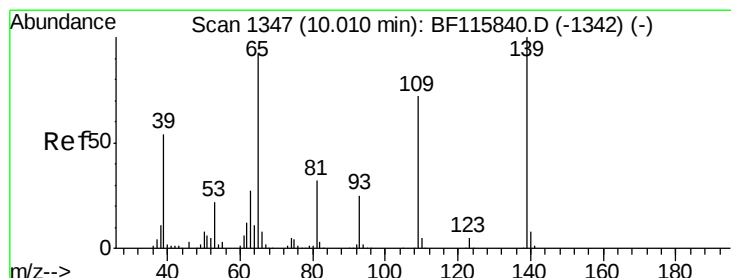
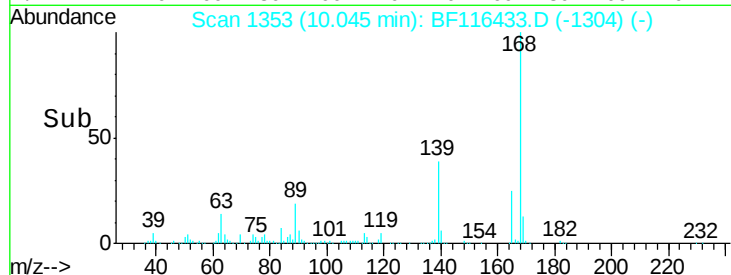
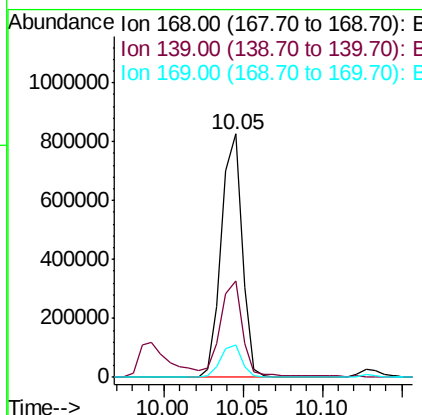
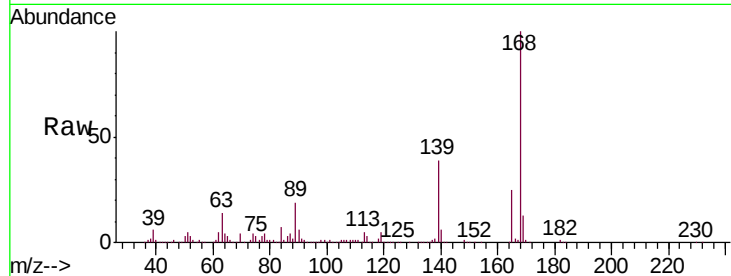




#55
Dibenzofuran
Concen: 40.304 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

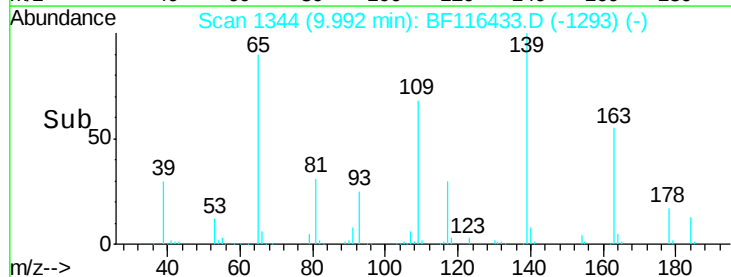
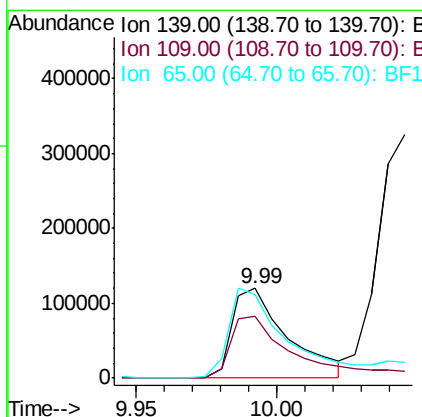
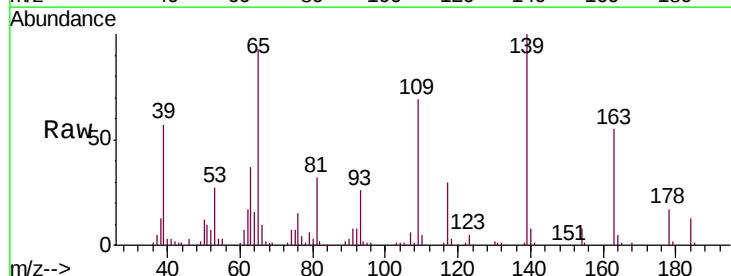
Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

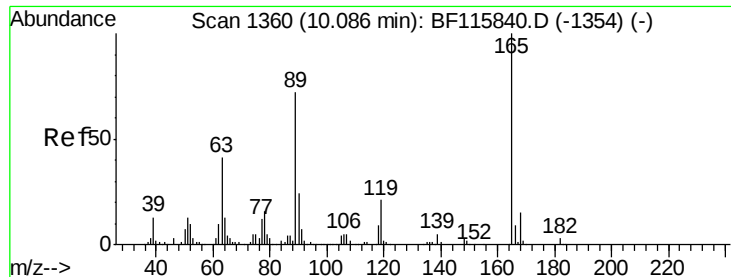
Tgt Ion:168 Resp: 758061
Ion Ratio Lower Upper
168 100
139 39.4 31.4 47.2
169 13.3 10.9 16.3



#56
4-Nitrophenol
Concen: 56.751 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.00 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Tgt Ion:139 Resp: 163462
Ion Ratio Lower Upper
139 100
109 69.3 54.4 94.4
65 93.4 80.6 120.6

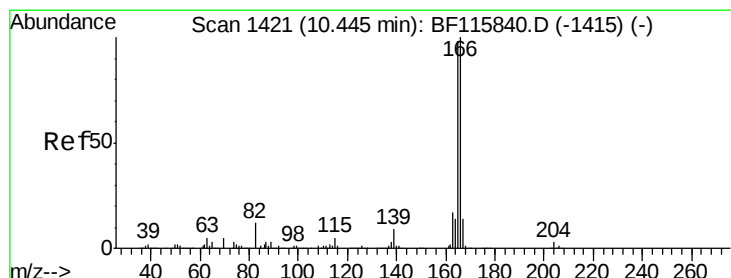
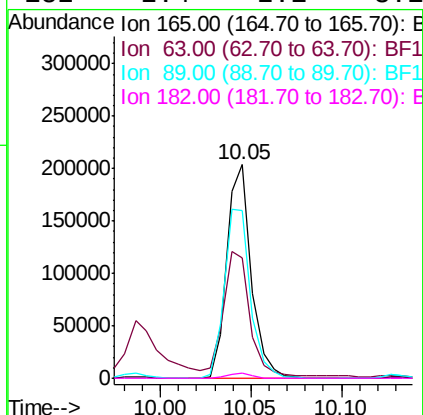
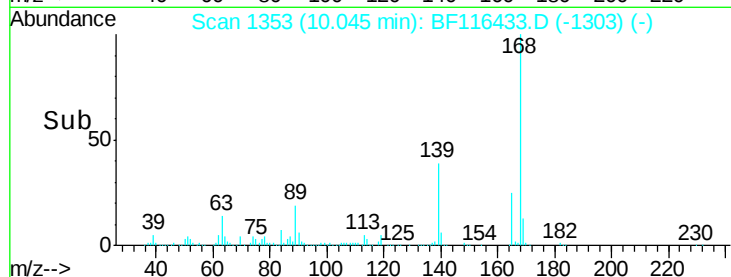
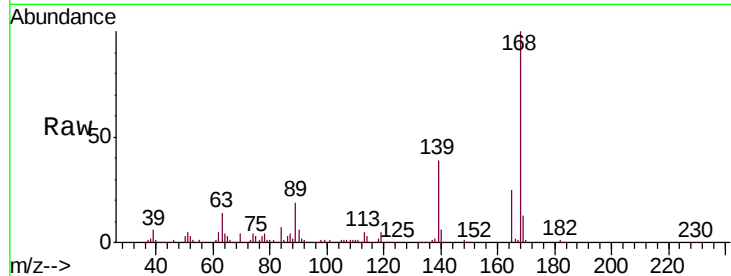




#57
 2,4-Dinitrotoluene
 Concen: 39.480 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

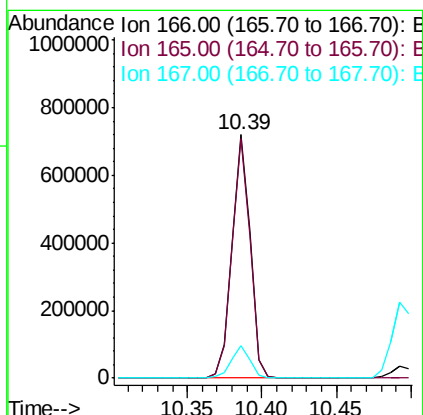
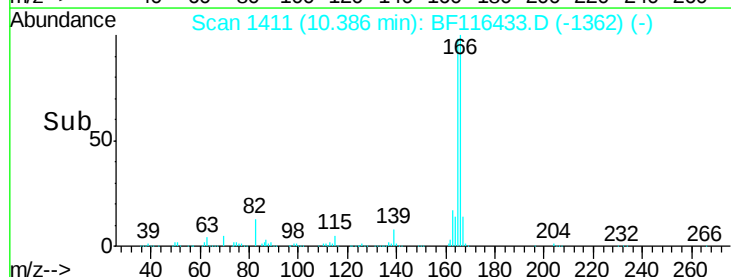
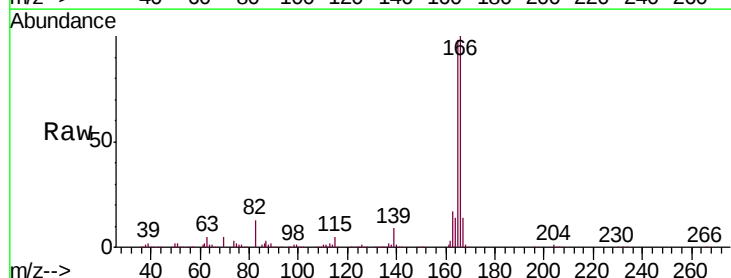
Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

Tgt Ion:	165	Resp:	191277
Ion	Ratio	Lower	Upper
165	100		
63	56.3	39.6	59.4
89	78.8	62.2	93.2
182	2.4	2.1	3.1



#58
 Fluorene
 Concen: 43.212 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Tgt Ion:	166	Resp:	625302
Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.4	117.6
167	13.6	11.0	16.4

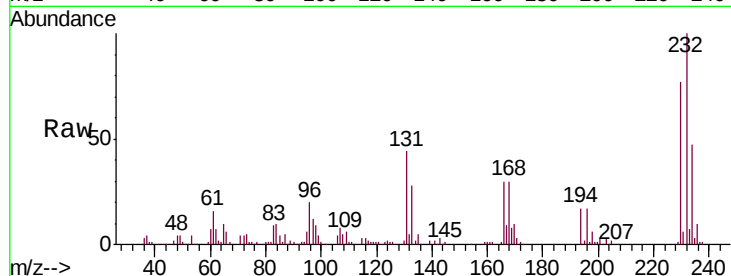




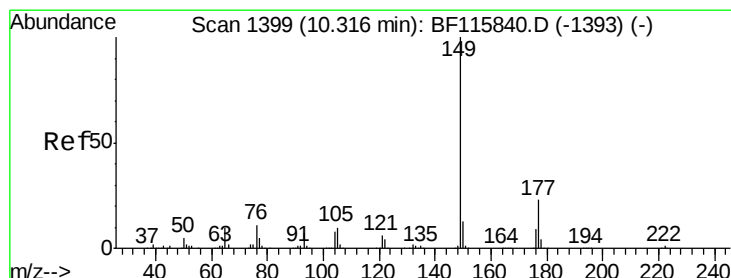
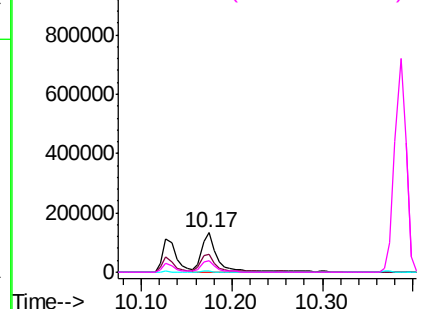
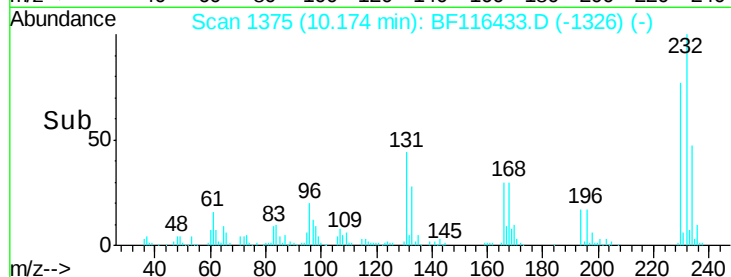
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 39.809 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

Tgt Ion:	232	Resp:	156667
Ion	Ratio	Lower	Upper
232	100		
131	42.6	36.2	54.2
130	2.4	1.9	2.9
166	28.1	23.0	34.4

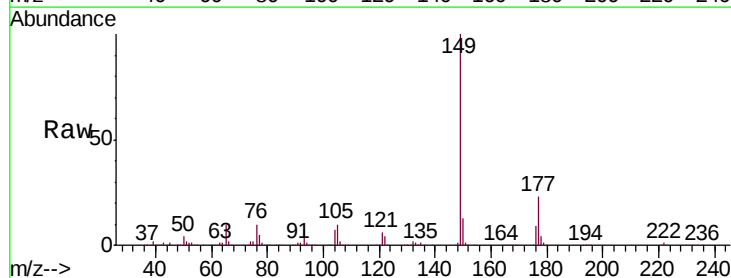


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

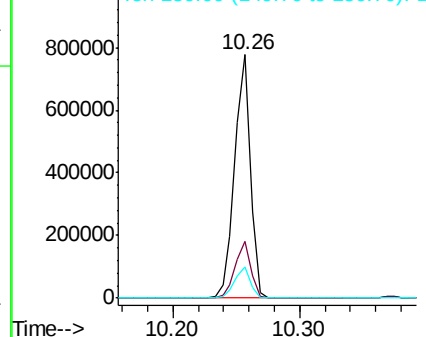
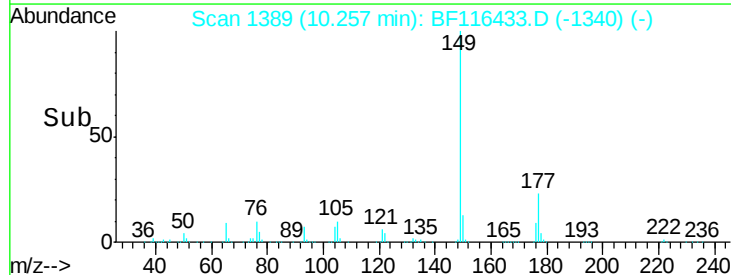


#60
 Diethylphthalate
 Concen: 42.652 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Tgt Ion:	149	Resp:	666782
Ion	Ratio	Lower	Upper
149	100		
177	23.3	18.8	28.2
150	12.8	10.2	15.4



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

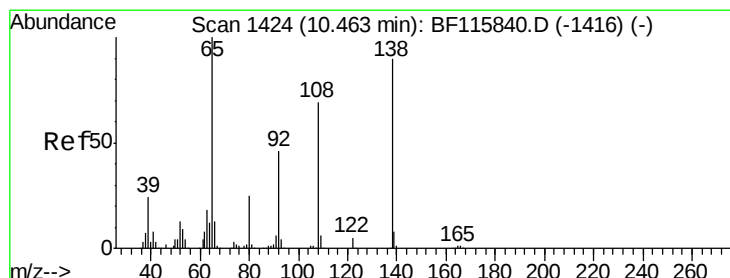
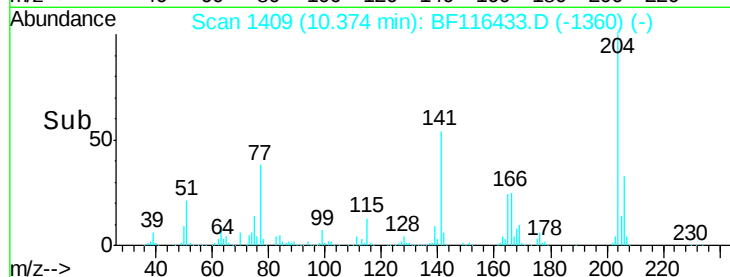
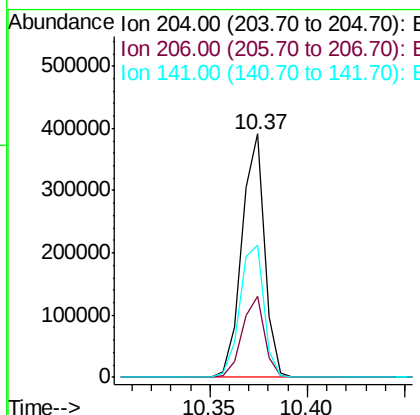
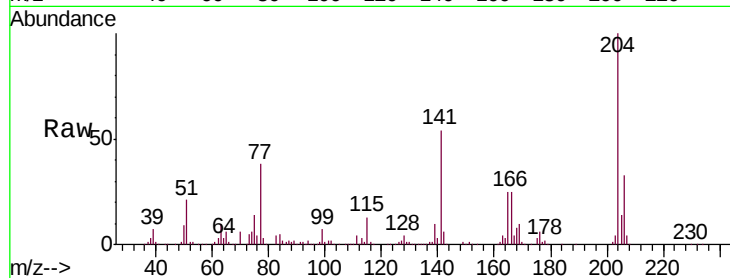




#61
 4-Chlorophenyl-phenylether
 Concen: 42.969 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

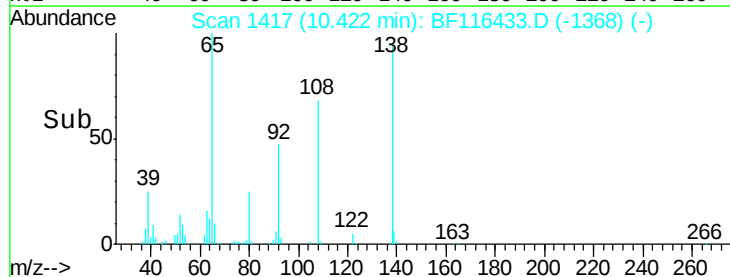
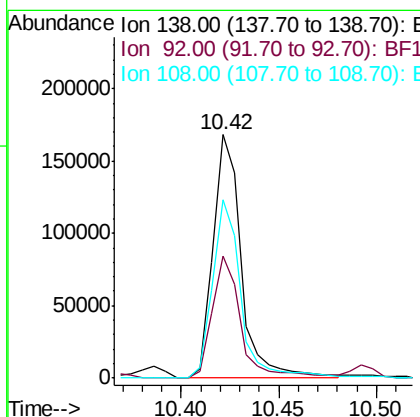
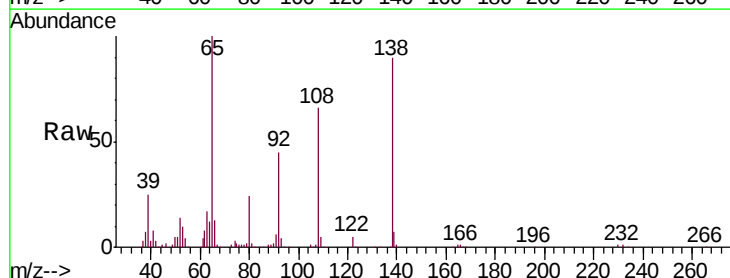
Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

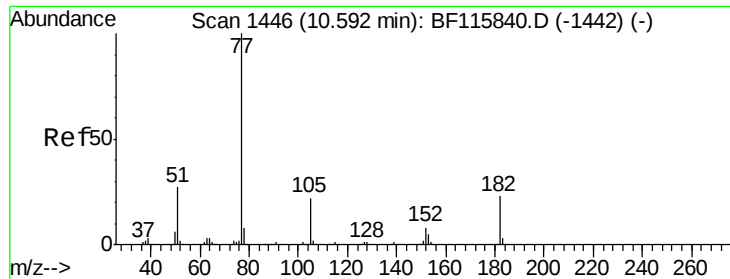
Tgt Ion:204 Resp: 314909
 Ion Ratio Lower Upper
 204 100
 206 33.3 26.4 39.6
 141 54.3 46.4 69.6



#62
 4-Nitroaniline
 Concen: 36.463 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Tgt Ion:138 Resp: 169430
 Ion Ratio Lower Upper
 138 100
 92 50.1 29.0 69.0
 108 73.4 54.7 94.7

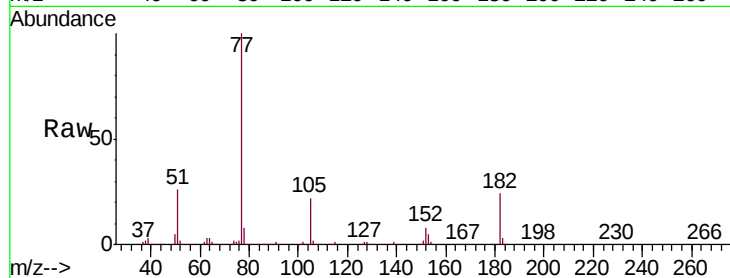




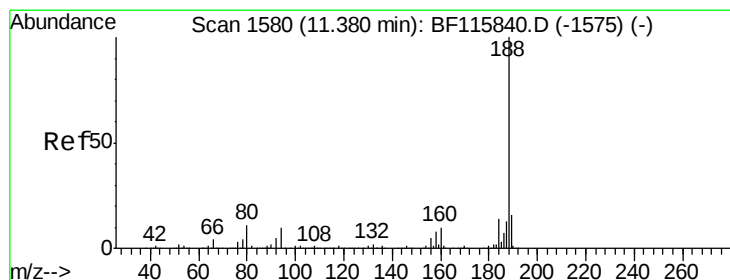
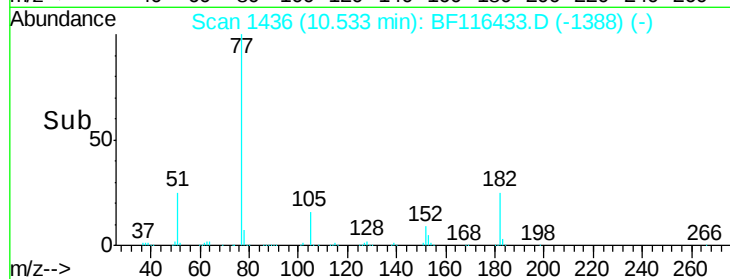
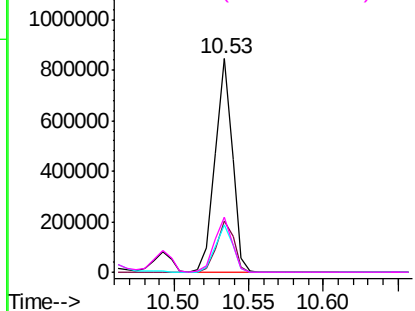
#63
Azobenzene
Concen: 42.397 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.02 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tgt Ion:	77	Resp:	681721
Ion	Ratio	Lower	Upper
77	100		
182	24.2	4.0	44.0
105	22.0	2.0	42.0
51	26.0	7.5	47.5

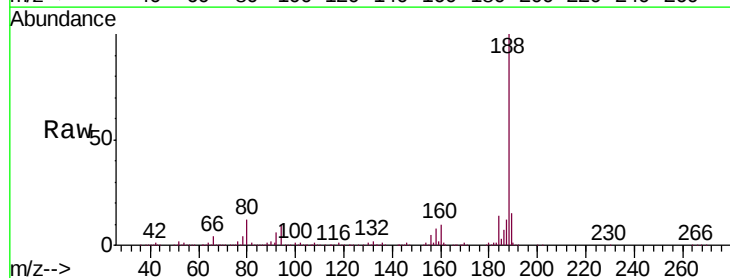


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

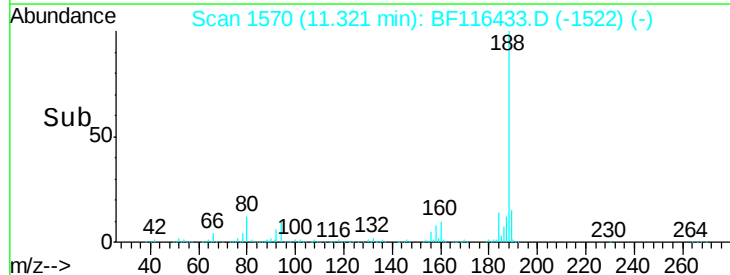
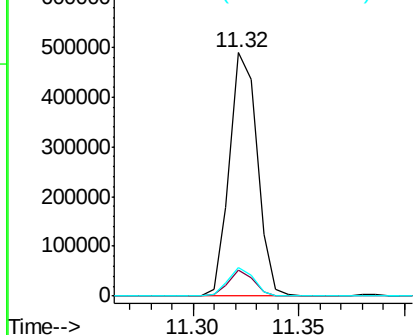


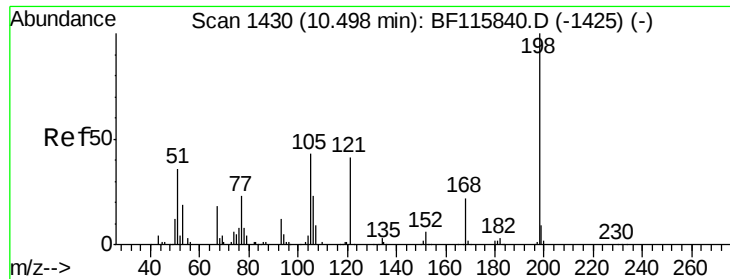
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Tgt Ion:	188	Resp:	444875
Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.1	12.1
80	12.0	8.7	13.1



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

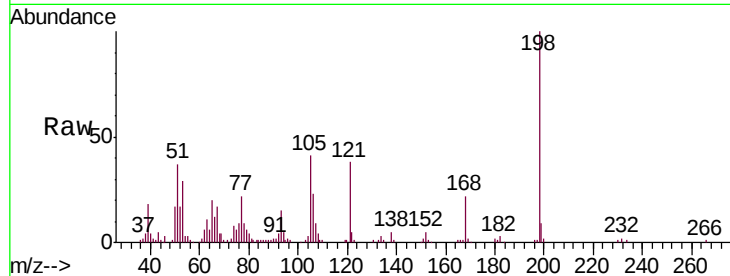




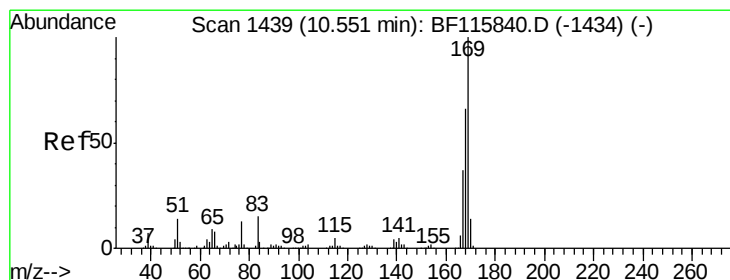
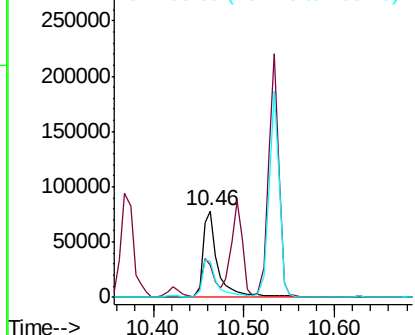
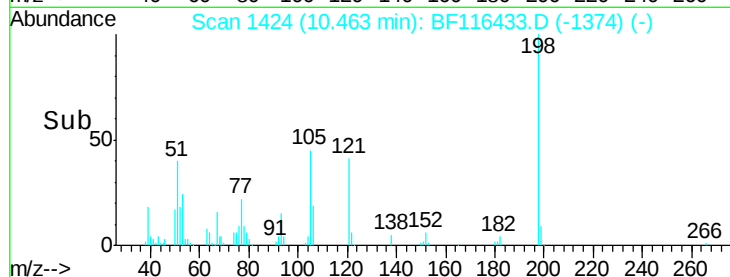
#65
 4,6-Dinitro-2-methylphenol
 Concen: 38.778 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

Tgt Ion:198 Resp: 91420
 Ion Ratio Lower Upper
 198 100
 51 37.2 17.0 57.0
 105 41.5 21.6 61.6

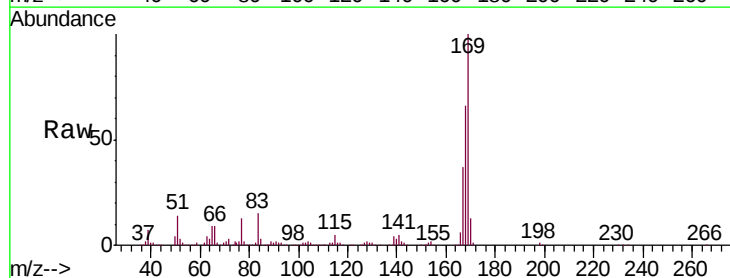


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

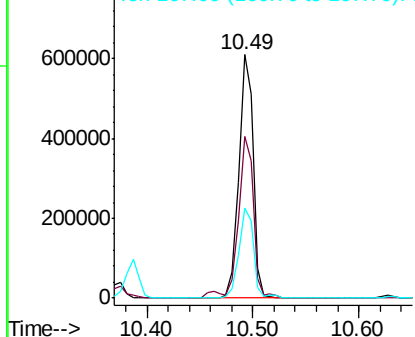
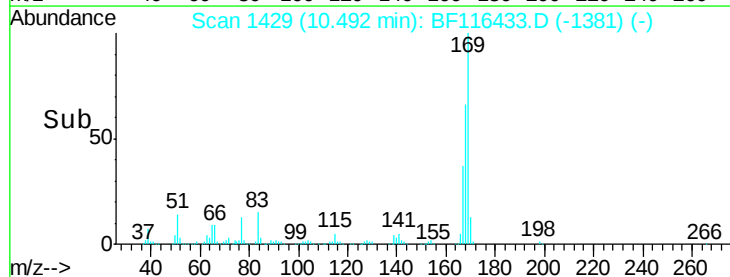


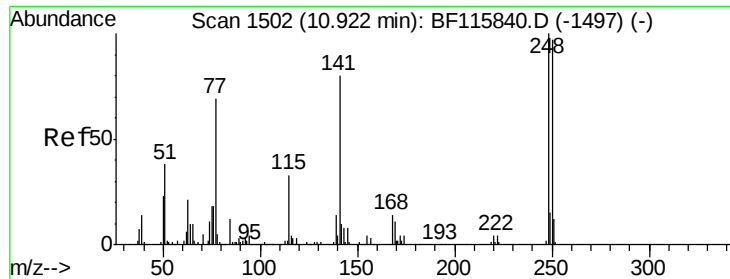
#66
 n-Nitrosodiphenylamine
 Concen: 41.522 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.02 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Tgt Ion:169 Resp: 555985
 Ion Ratio Lower Upper
 169 100
 168 66.3 53.8 80.6
 167 37.1 29.6 44.4



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

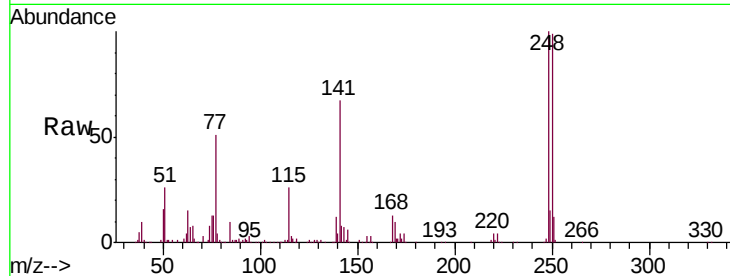




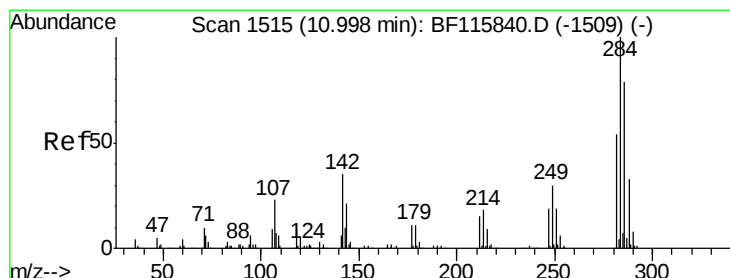
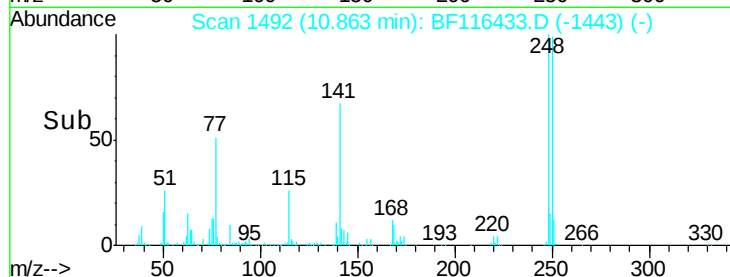
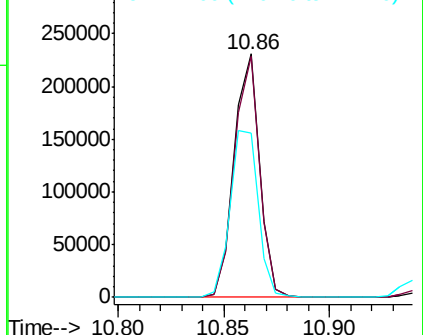
#67
4-Bromophenyl-phenylether
Concen: 40.273 ng
RT: 10.86 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tgt Ion:248 Resp: 191794
Ion Ratio Lower Upper
248 100
250 98.9 77.4 116.2
141 67.4 56.8 85.2

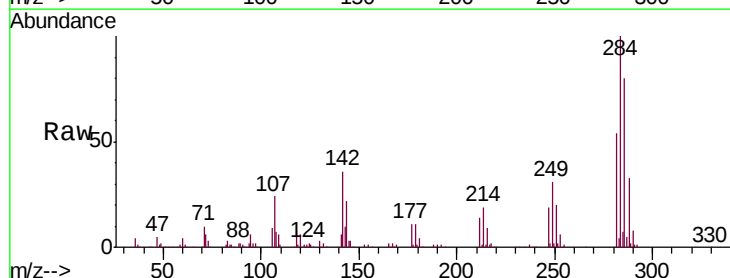


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

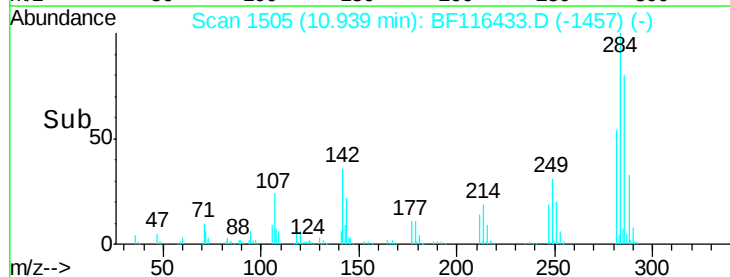
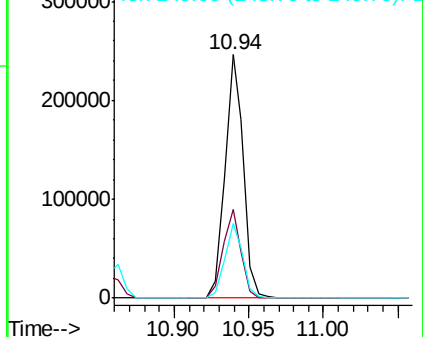


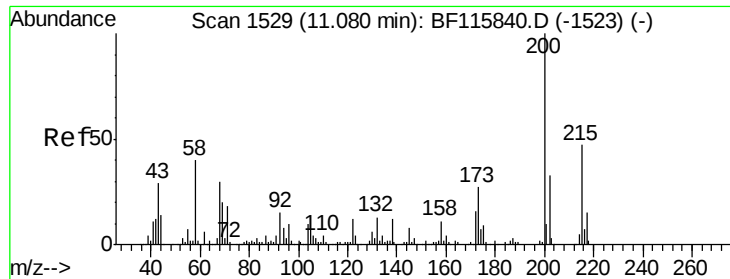
#68
Hexachlorobenzene
Concen: 38.785 ng
RT: 10.94 min Scan# 1505
Delta R.T. -0.02 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Tgt Ion:284 Resp: 213586
Ion Ratio Lower Upper
284 100
142 36.3 28.4 42.6
249 30.7 24.5 36.7



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: 41.203 ng

RT: 11.02 min Scan# 1519

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

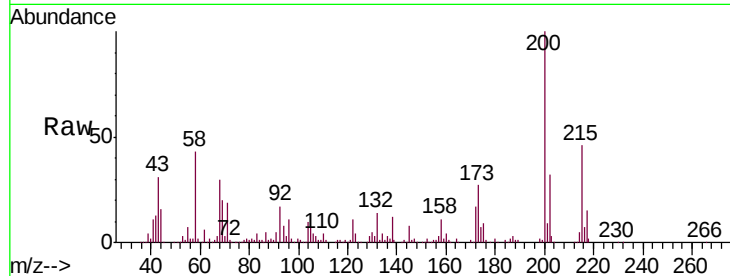
Tgt Ion:200 Resp: 181507

Ion Ratio Lower Upper

200 100

173 26.7 6.8 46.8

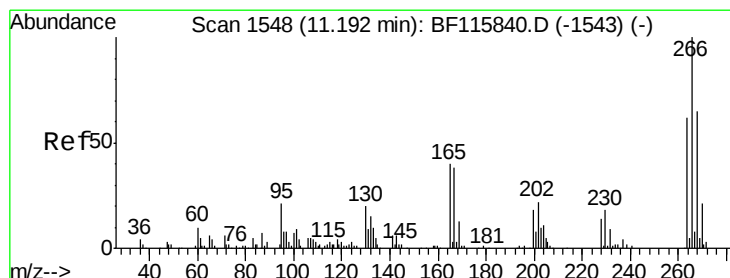
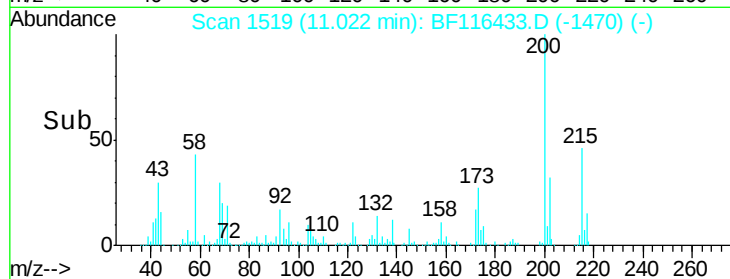
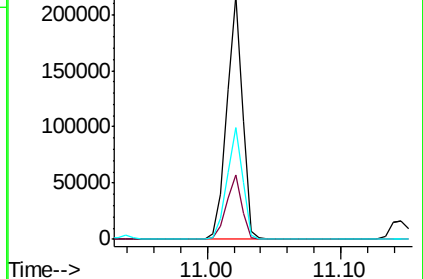
215 46.2 27.5 67.5



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 54.299 ng

RT: 11.15 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

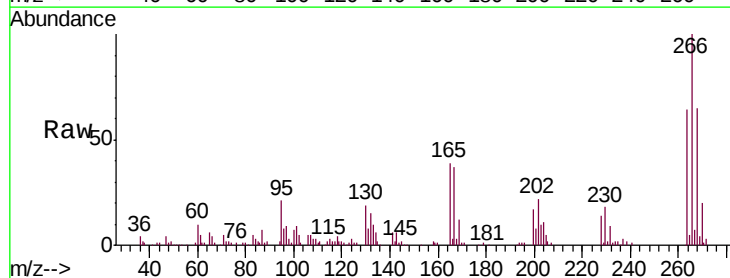
Tgt Ion:266 Resp: 145173

Ion Ratio Lower Upper

266 100

268 64.5 48.8 73.2

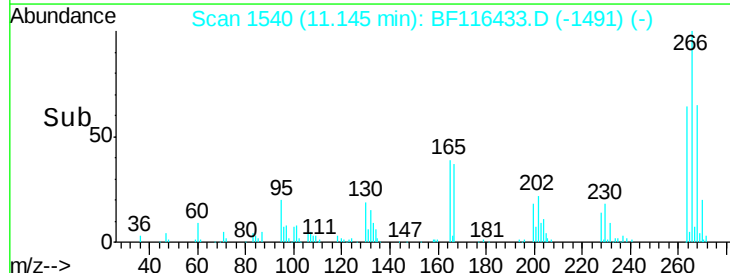
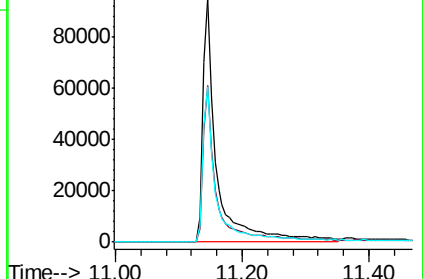
264 63.6 50.6 76.0

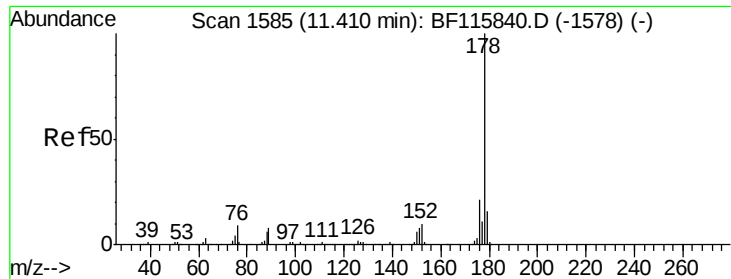


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

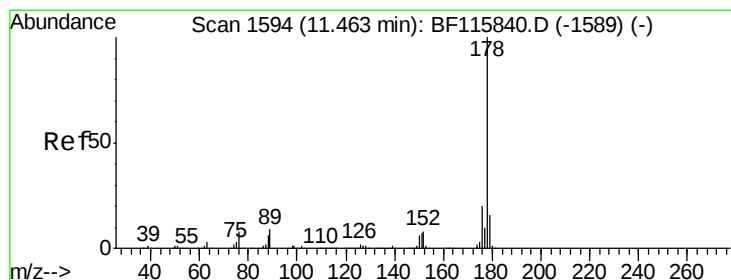
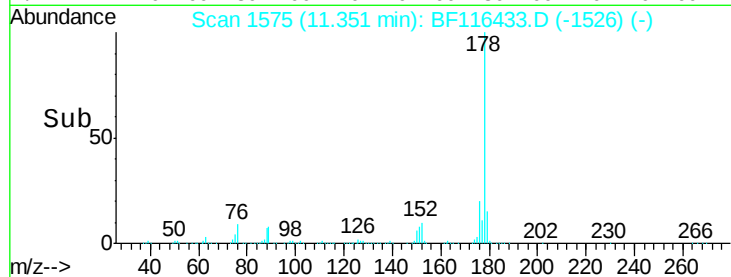
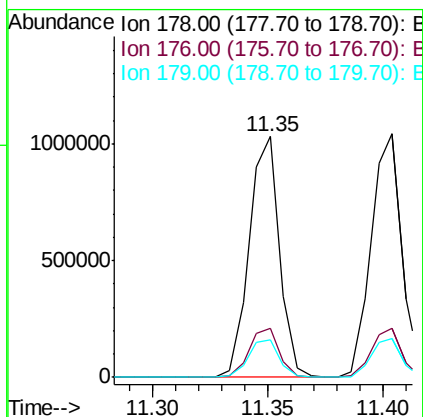
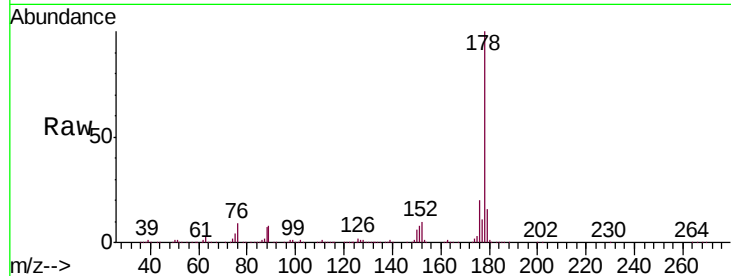




#71
Phenanthrene
Concen: 41.560 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

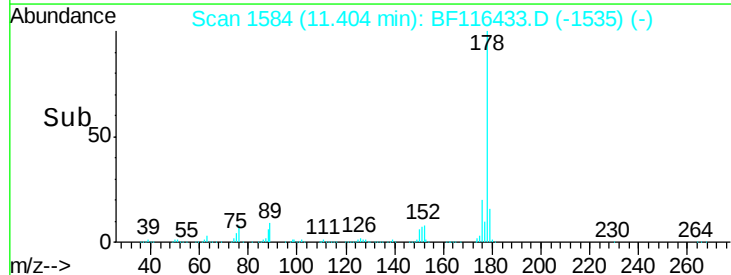
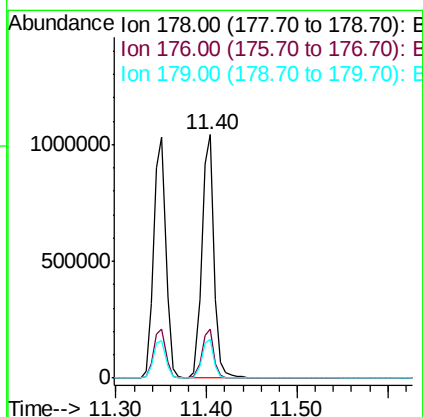
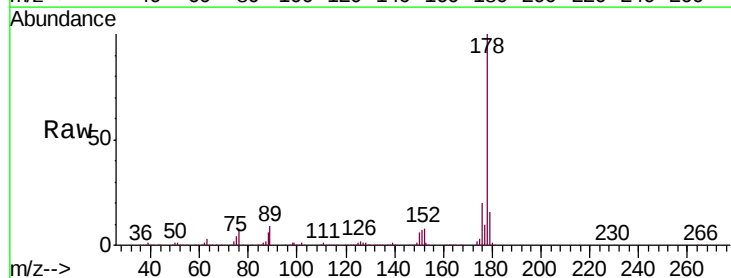
Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

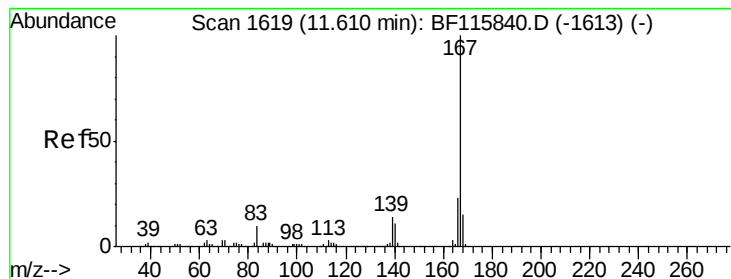
Tgt Ion:178 Resp: 945205
Ion Ratio Lower Upper
178 100
176 20.3 16.6 24.8
179 15.6 12.5 18.7



#72
Anthracene
Concen: 42.608 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Tgt Ion:178 Resp: 980695
Ion Ratio Lower Upper
178 100
176 19.9 15.7 23.5
179 15.7 13.0 19.6





#73

Carbazole

Concen: 42.919 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

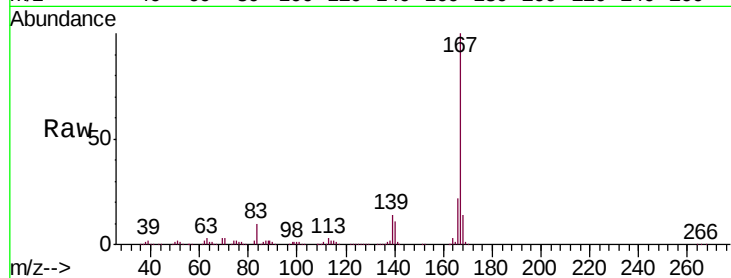
Tgt Ion:167 Resp: 896226

Ion Ratio Lower Upper

167 100

166 22.3 17.8 26.6

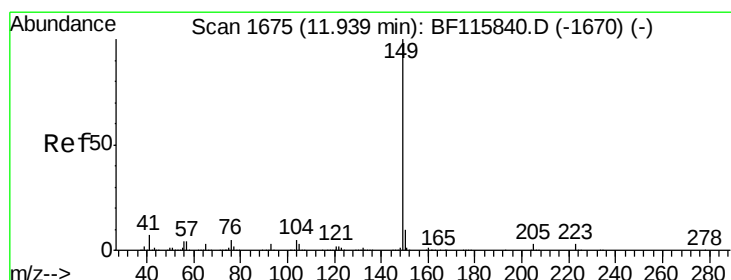
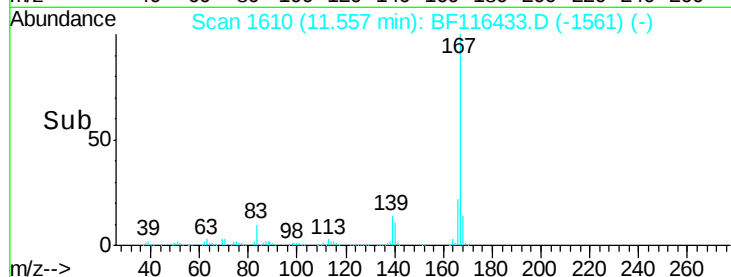
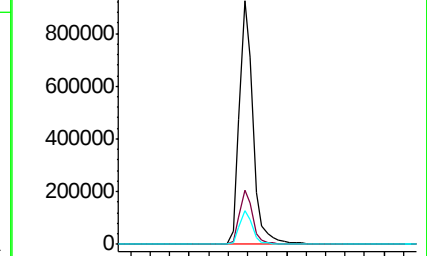
139 14.0 11.4 17.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 45.495 ng

RT: 11.87 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

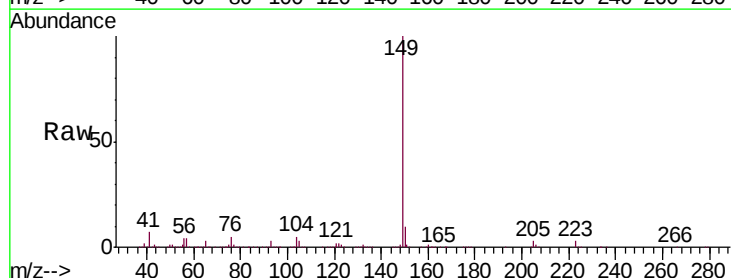
Tgt Ion:149 Resp: 1108244

Ion Ratio Lower Upper

149 100

150 9.6 8.0 12.0

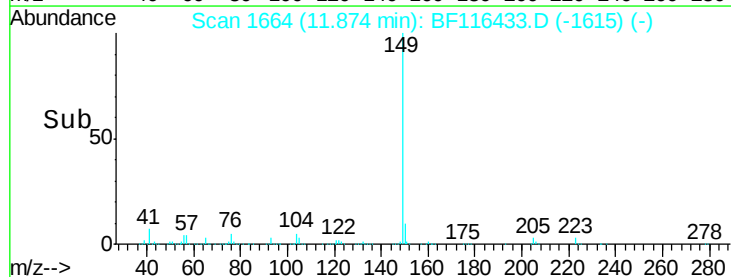
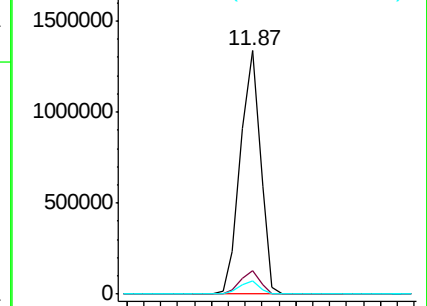
104 5.2 4.5 6.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



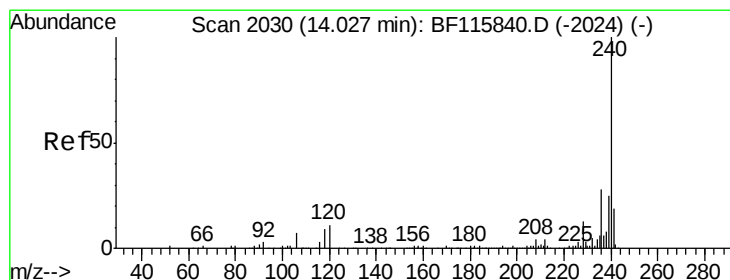
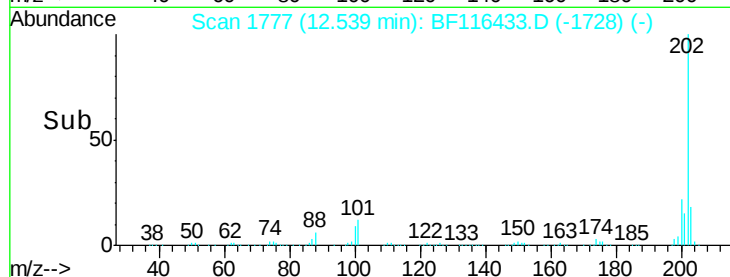
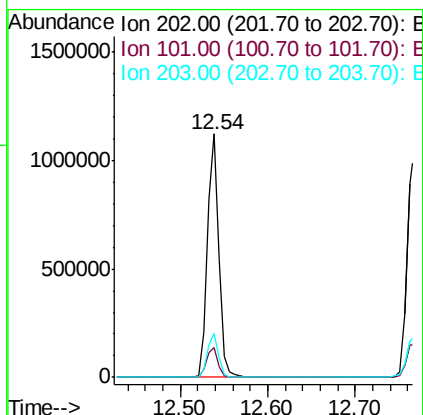
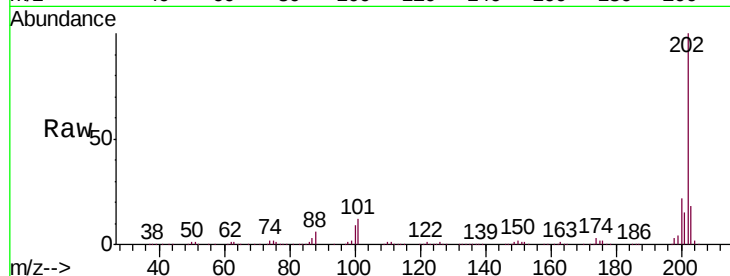


#75
Fluoranthene
 Concen: 42.650 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

Tgt Ion: 202 Resp: 1015477

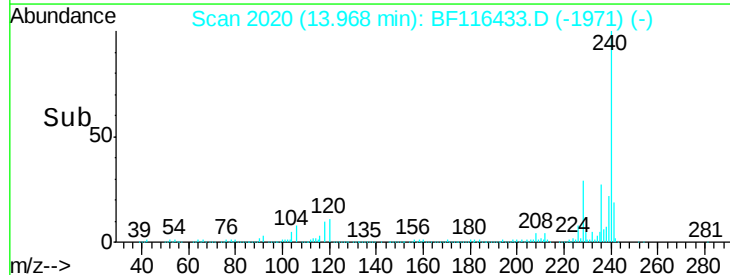
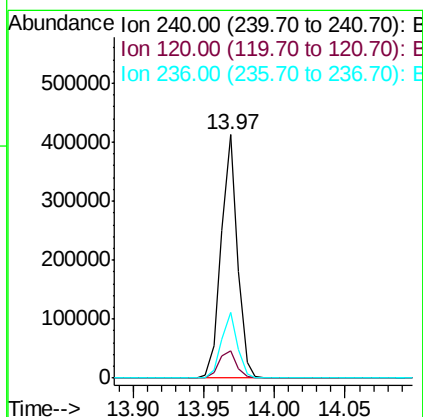
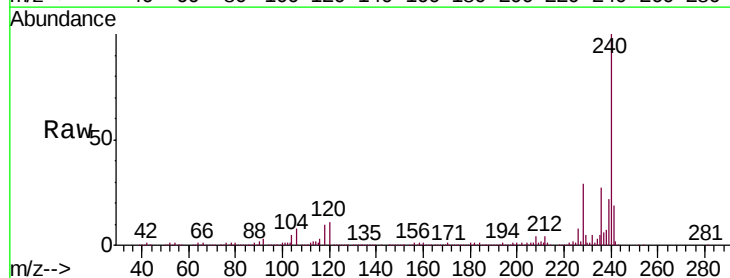
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.2
203	18.2	0.0	37.8



#76
Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF116433.D
 Acq: 20 Aug 2019 14:29

Tgt Ion: 240 Resp: 331876

Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.7	16.1
236	26.8	22.2	33.2





#77

Benzidine

Concen: 37.635 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.02 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

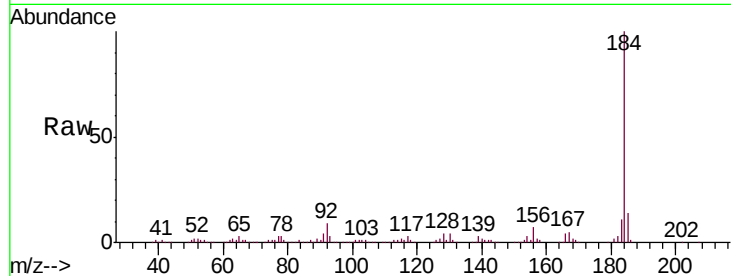
Tgt Ion:184 Resp: 421969

Ion Ratio Lower Upper

184 100

185 14.4 12.8 19.2

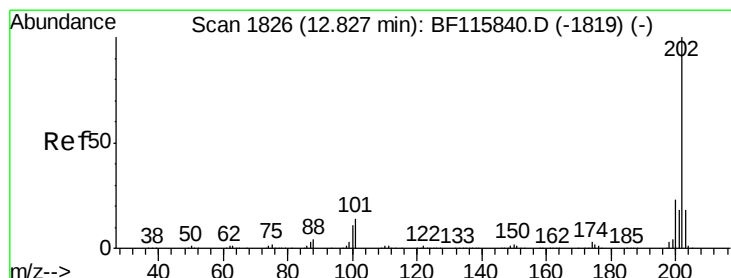
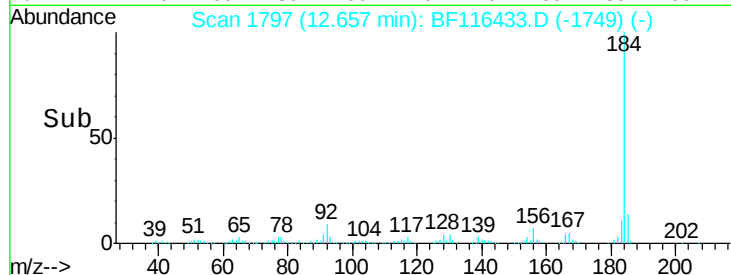
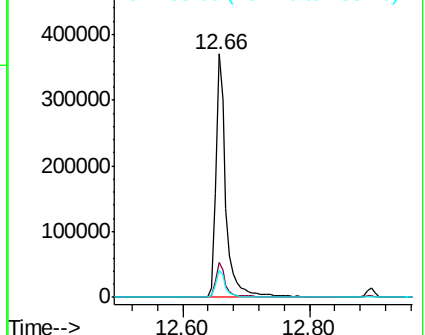
183 11.0 9.4 14.0



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: 40.995 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

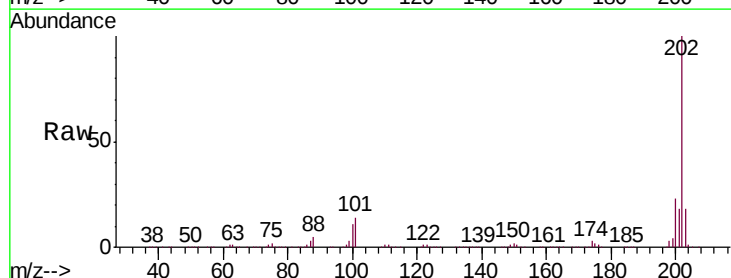
Tgt Ion:202 Resp: 1025581

Ion Ratio Lower Upper

202 100

200 23.2 18.0 27.0

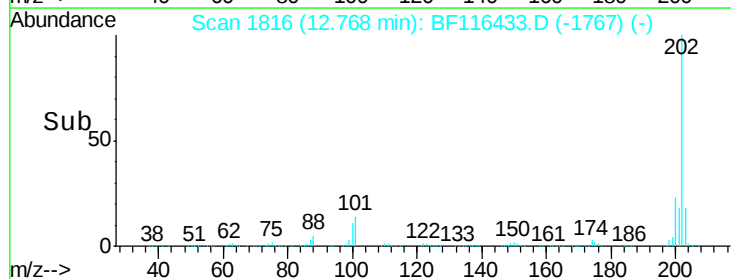
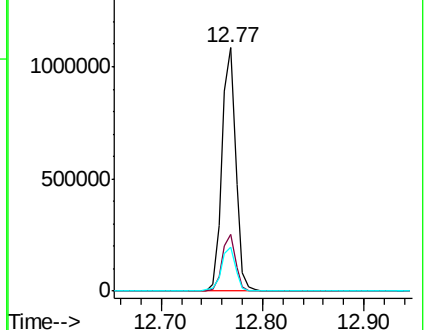
203 18.2 14.1 21.1



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: 54.260 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

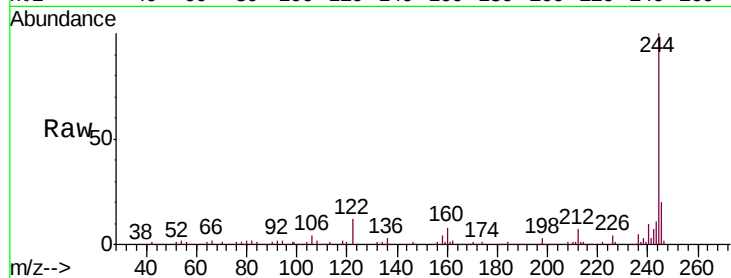
Tgt Ion:244 Resp: 854587

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

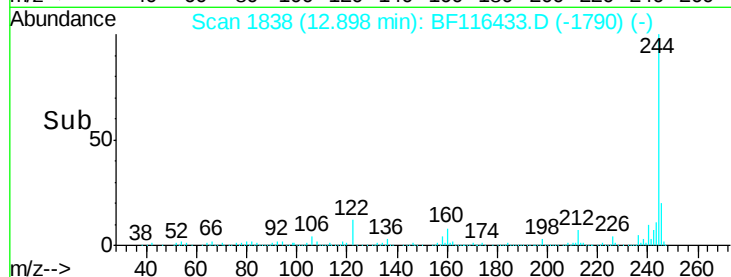
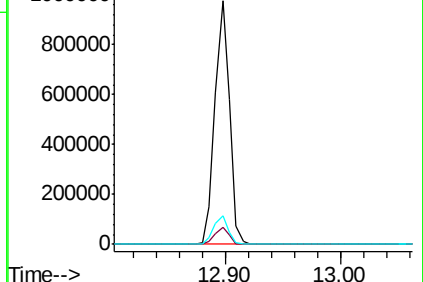
122 11.9 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 46.026 ng

RT: 13.37 min Scan# 1918

Delta R.T. -0.02 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

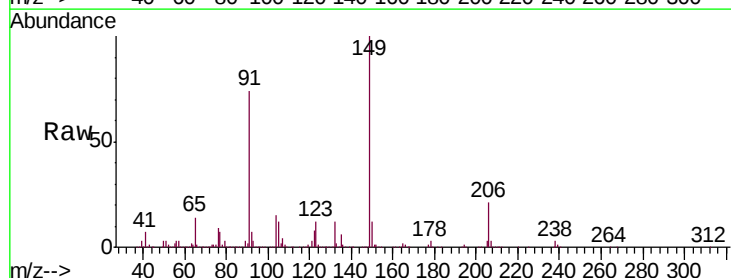
Tgt Ion:149 Resp: 487063

Ion Ratio Lower Upper

149 100

91 73.8 56.3 84.5

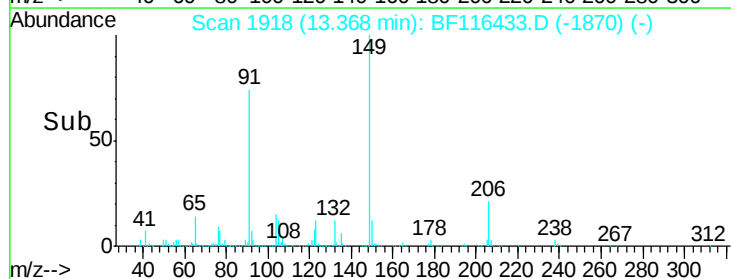
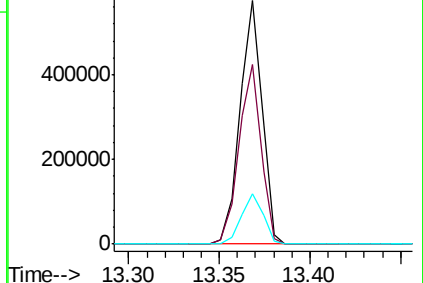
206 20.8 18.0 27.0



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: 40.532 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

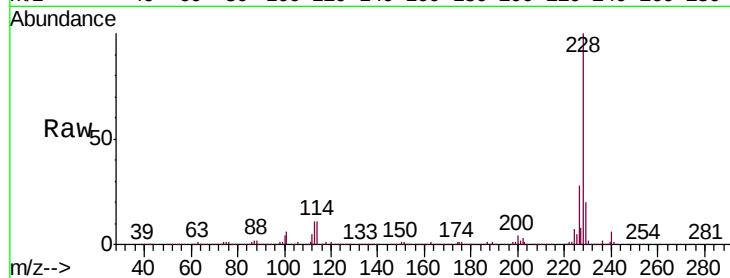
Tgt Ion:228 Resp: 859773

Ion Ratio Lower Upper

228 100

226 28.2 22.7 34.1

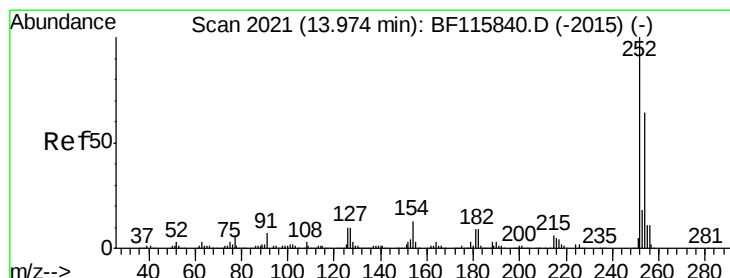
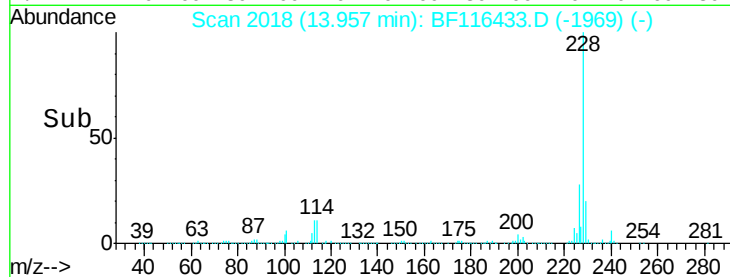
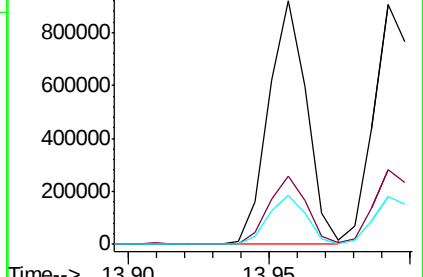
229 20.3 16.2 24.4



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: 38.593 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

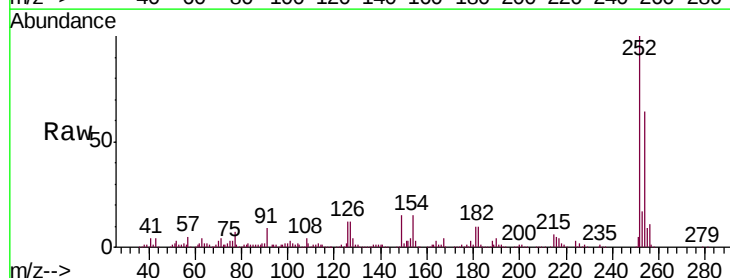
Tgt Ion:252 Resp: 284417

Ion Ratio Lower Upper

252 100

254 63.7 50.9 76.3

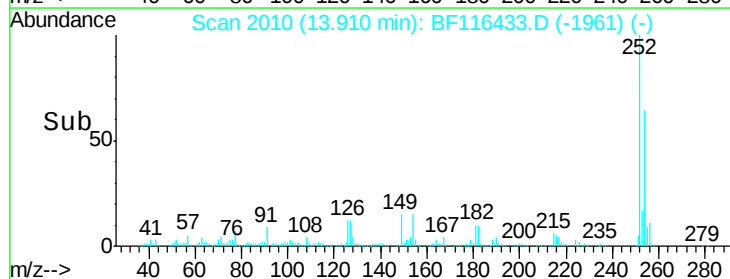
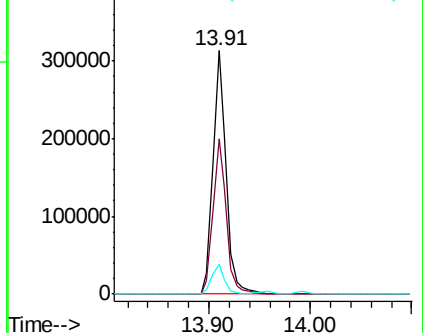
126 12.5 9.8 14.8



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: 41.233 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

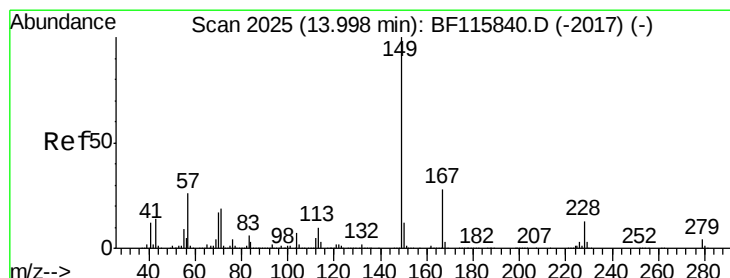
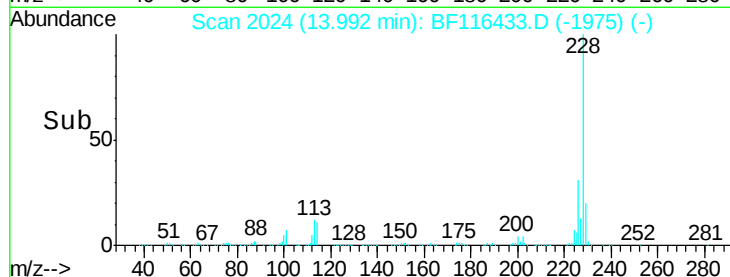
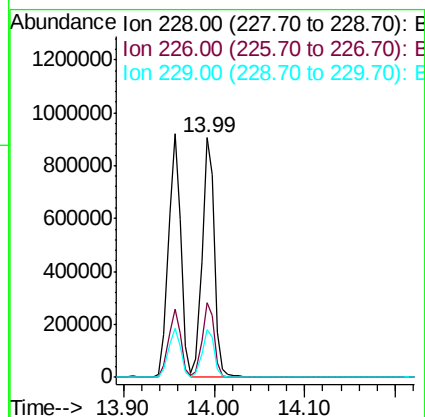
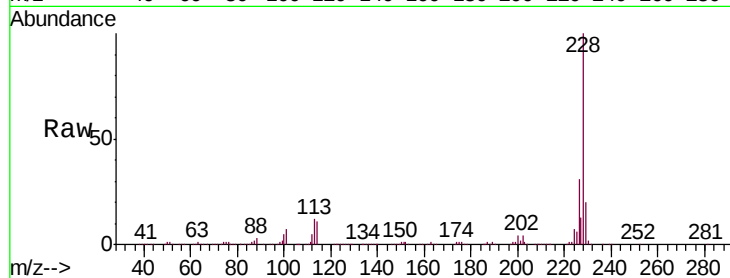
Tgt Ion:228 Resp: 849155

Ion Ratio Lower Upper

228 100

226 31.0 25.5 38.3

229 20.0 16.6 24.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.338 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

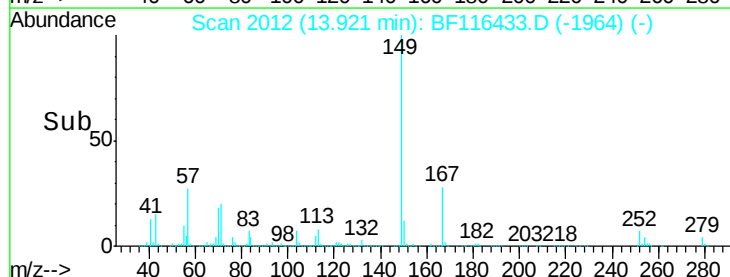
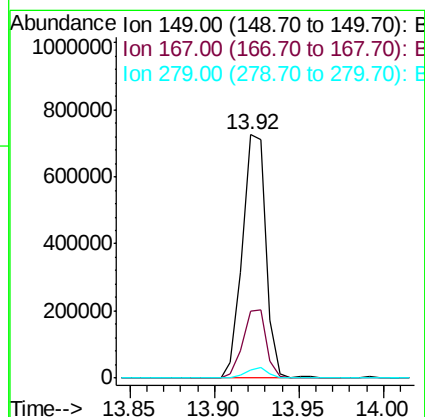
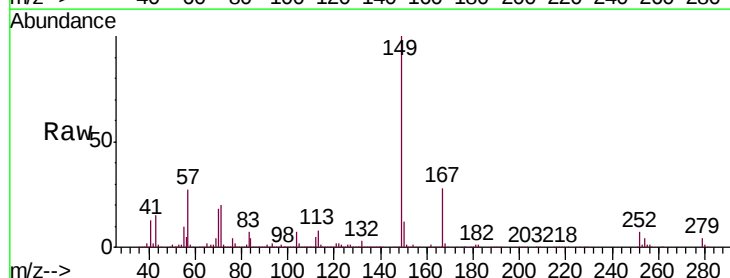
Tgt Ion:149 Resp: 705994

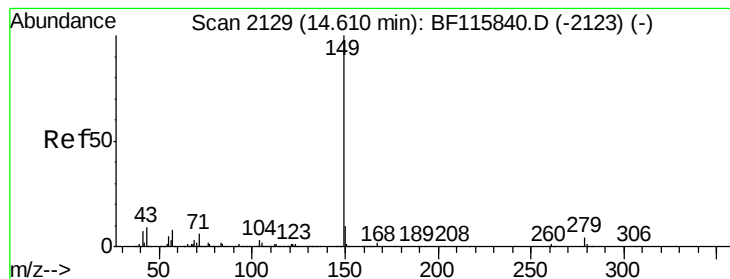
Ion Ratio Lower Upper

149 100

167 27.5 21.6 32.4

279 3.5 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 51.913 ng

RT: 14.53 min Scan# 2116

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

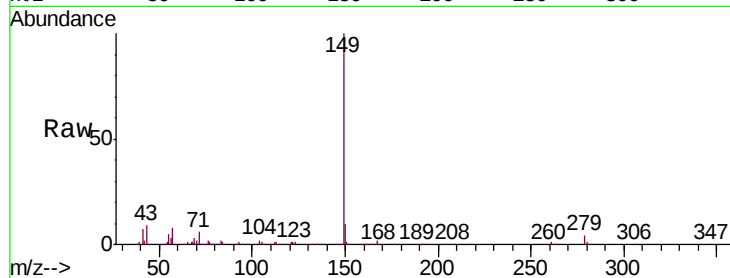
Tgt Ion:149 Resp: 1133921

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

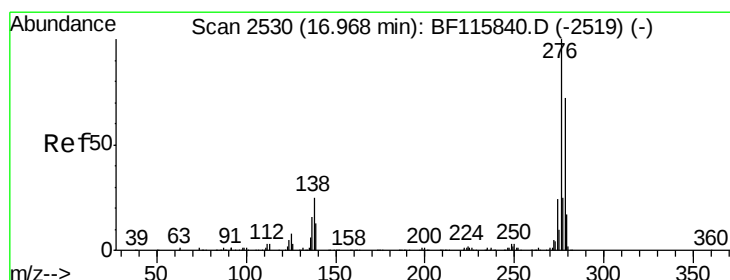
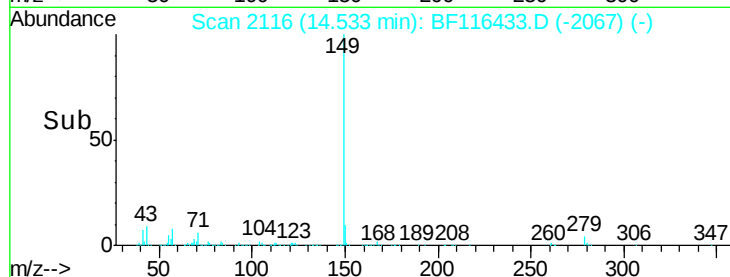
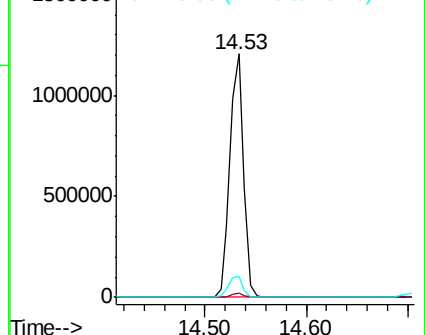
43 8.9 7.5 11.3



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: 48.315 ng

RT: 16.89 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

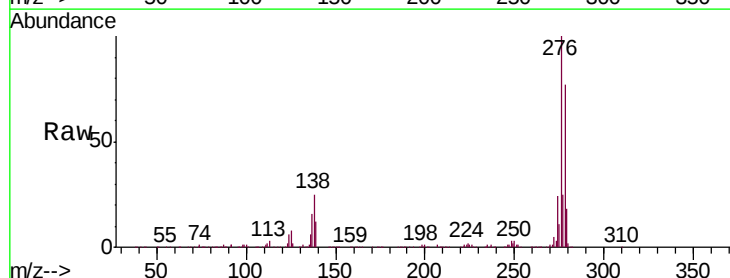
Tgt Ion:276 Resp: 835683

Ion Ratio Lower Upper

276 100

138 25.7 20.4 30.6

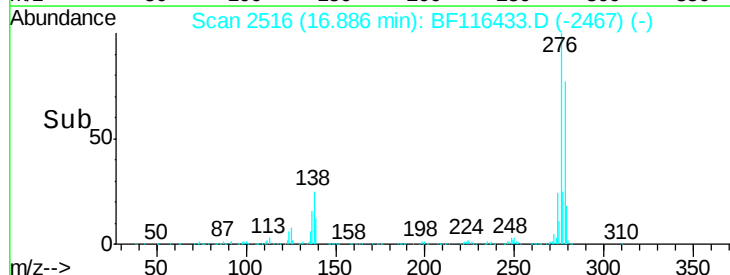
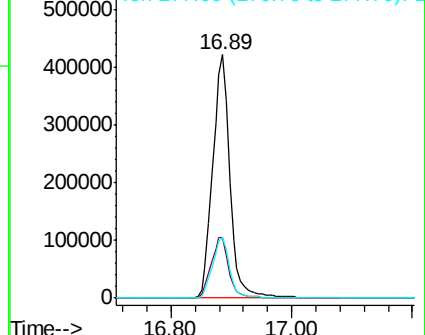
277 25.0 20.0 30.0

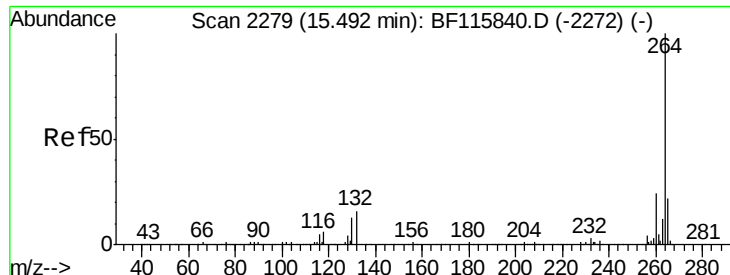


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



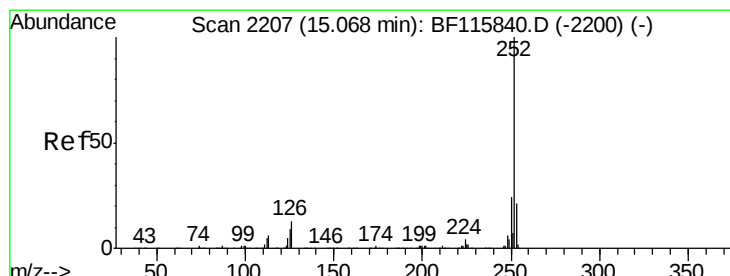
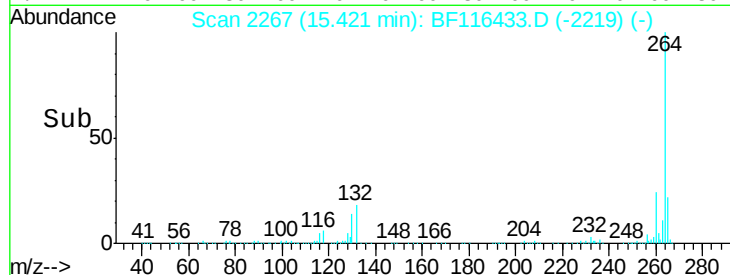
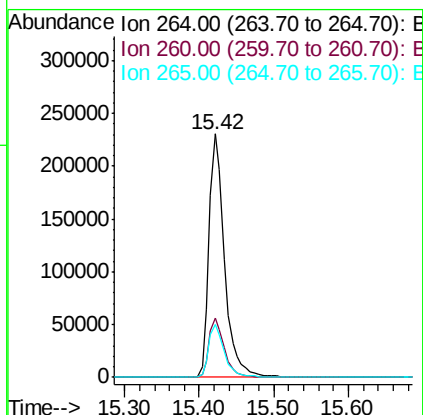
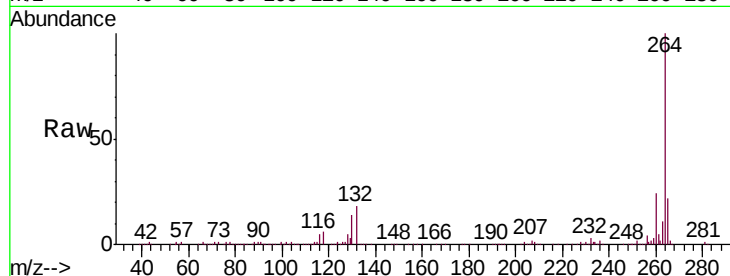


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tgt Ion: 264 Resp: 332405

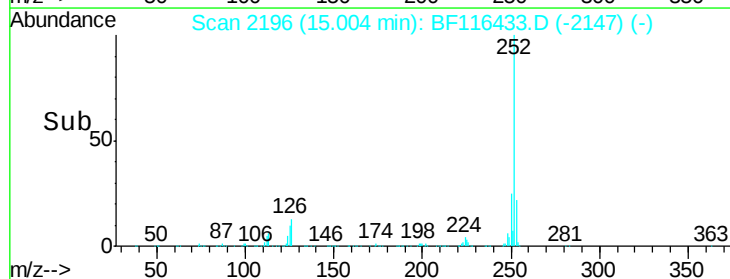
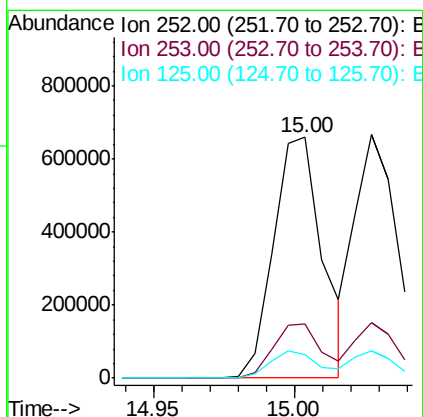
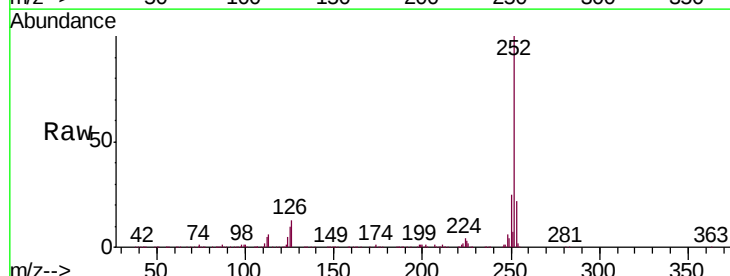
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.7	29.5
265	21.8	17.4	26.0

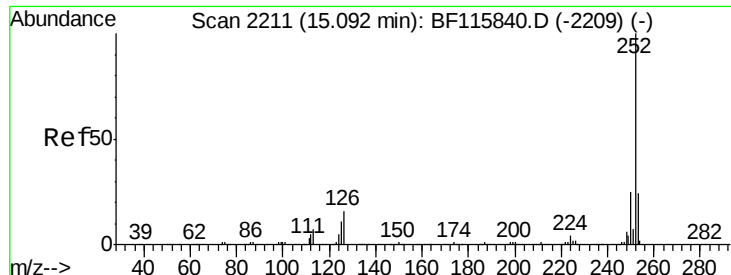


#88
Benzo(b)fluoranthene
Concen: 41.253 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Tgt Ion: 252 Resp: 792880

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	9.7	8.4	12.6

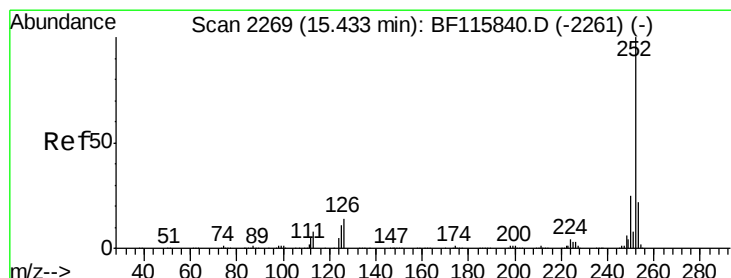
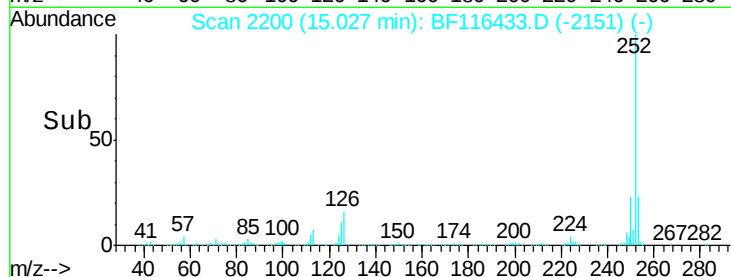
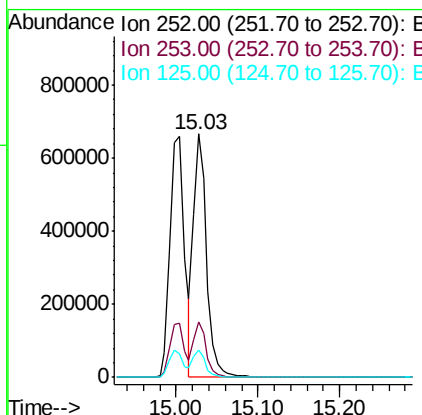
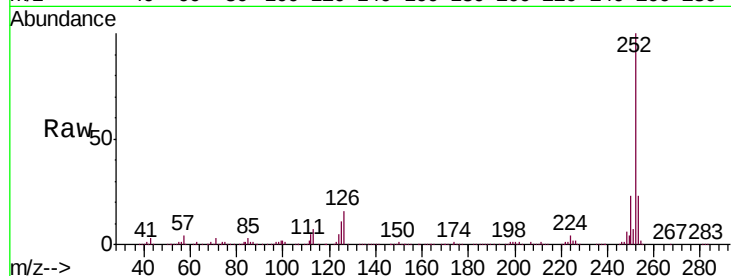




#89
Benzo(k)fluoranthene
Concen: 39.251 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

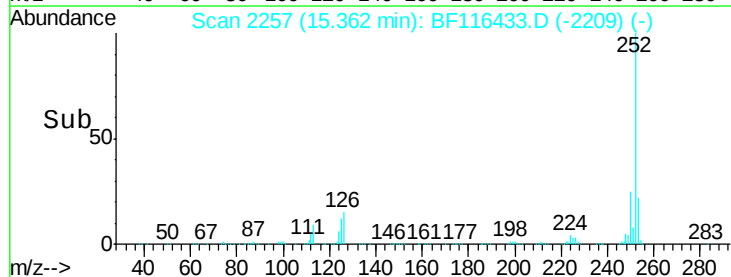
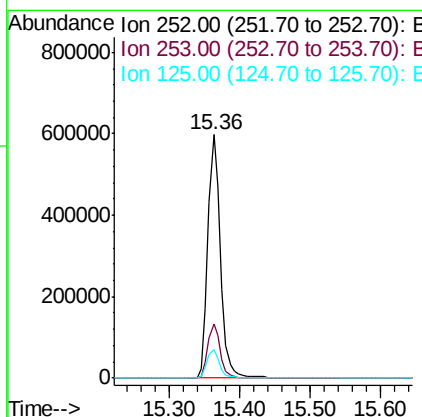
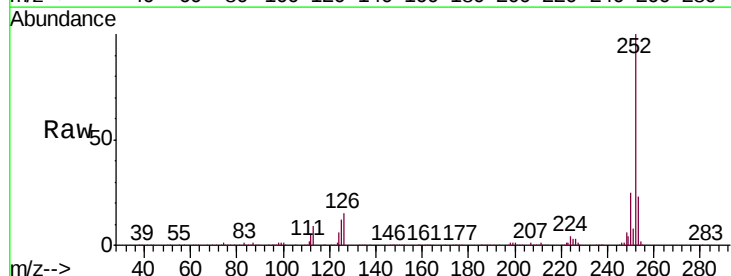
Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	11.3	7.7	11.5



#90
Benzo(a)pyrene
Concen: 43.014 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF116433.D
Acq: 20 Aug 2019 14:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.6	8.9	13.3





#91

Dibenzo(a,h)anthracene

Concen: 47.262 ng

RT: 16.88 min Scan# 2515

Delta R.T. -0.02 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

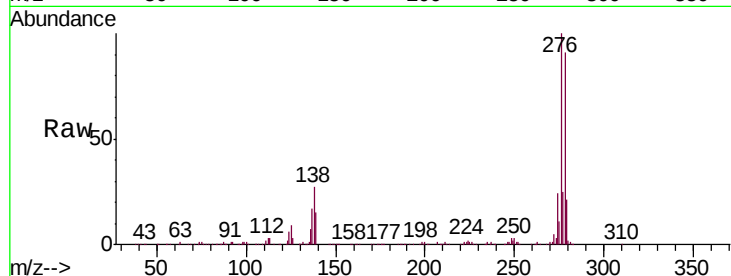
Tgt Ion:278 Resp: 702887

Ion Ratio Lower Upper

278 100

139 16.6 12.8 19.2

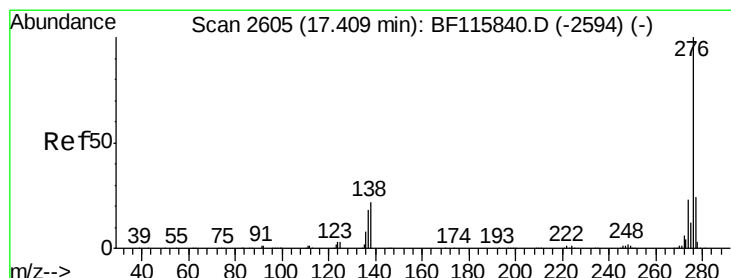
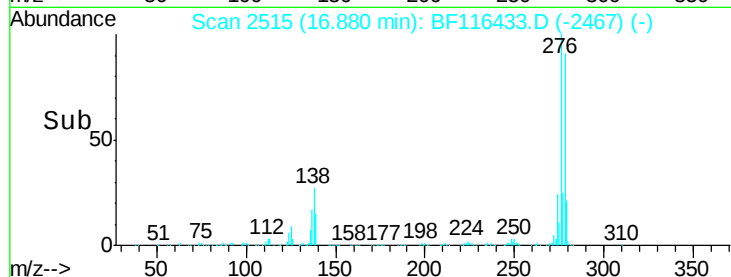
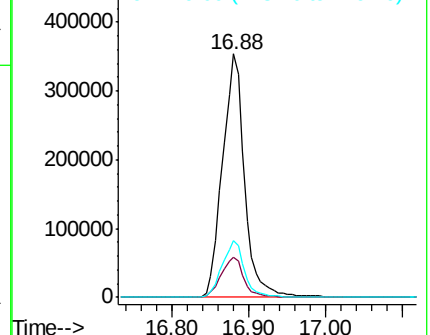
279 23.1 18.8 28.2



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: 47.923 ng

RT: 17.32 min Scan# 2590

Delta R.T. -0.02 min

Lab File: BF116433.D

Acq: 20 Aug 2019 14:29

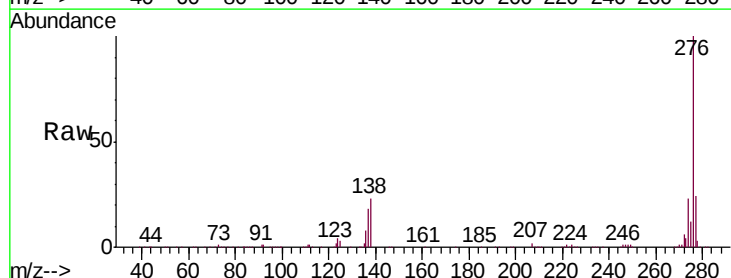
Tgt Ion:276 Resp: 699953

Ion Ratio Lower Upper

276 100

277 24.2 18.4 27.6

138 22.8 17.0 25.6



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

