

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
 Data File : BF101715.D
 Acq On : 26 Dec 2017 15:06
 Operator : SJ/JU
 Sample : I6837-03DL 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-69-01DL

Quant Time: Dec 26 15:48:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	134009	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	512485	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	204871	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	329494	20.00	ng	0.00
75) Chrysene-d12	13.97	240	273409	20.00	ng	0.00
86) Perylene-d12	15.43	264	291102	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	110951	12.33	ng	0.04
7) Phenol-d6	6.43	99	119129	10.64	ng	0.00
23) Nitrobenzene-d5	7.36	82	102172	11.10	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	26501	13.42	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	200079	15.15	ng	0.00
78) Terphenyl-d14	12.89	244	152415	13.44	ng	0.00

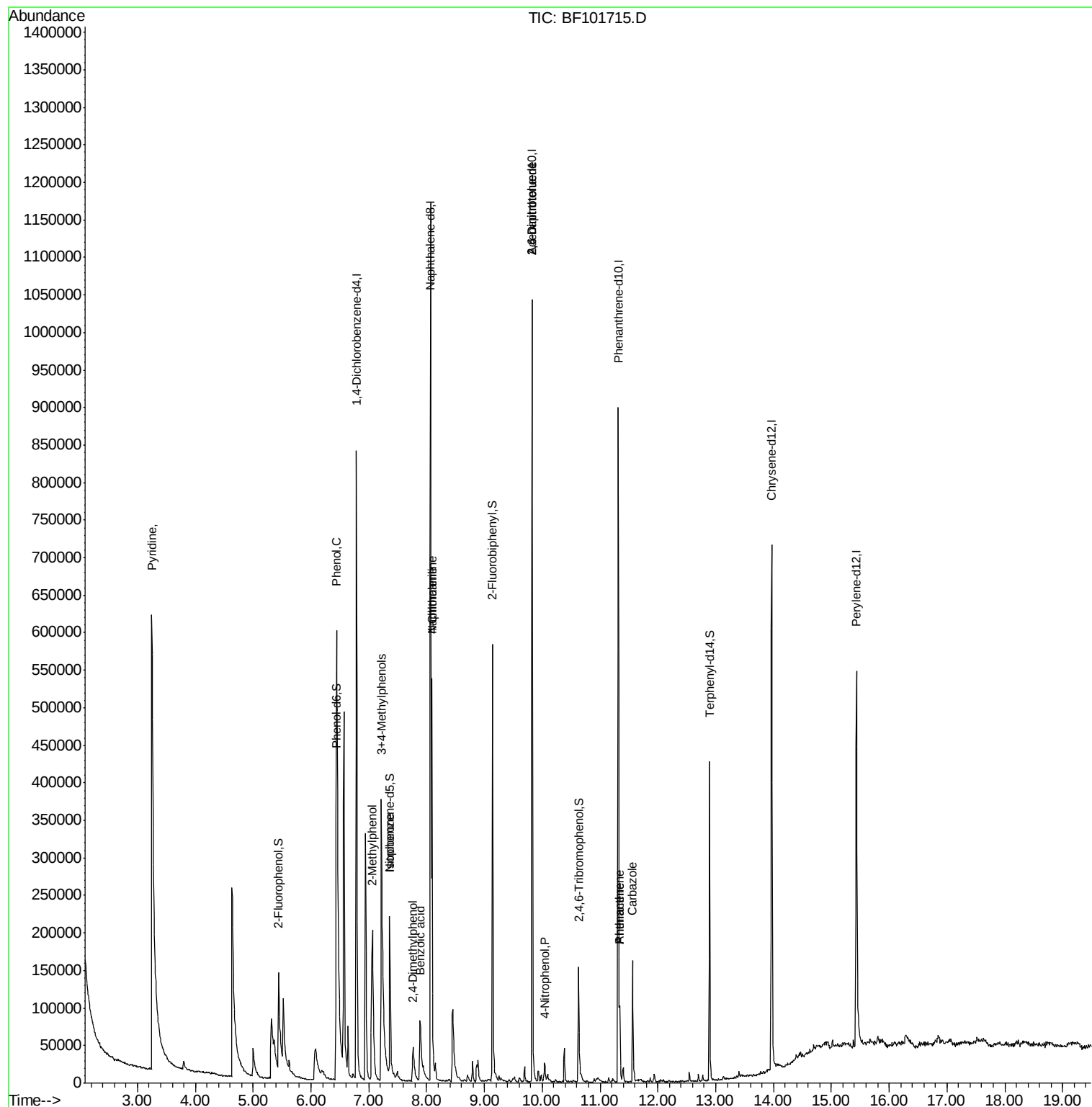
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.25	79	606204	47.199	ng	96
10) Phenol	6.45	94	373580	29.274	ng	99
17) 2-Methylphenol	7.06	107	51863	5.958	ng	96
20) 3+4-Methylphenols	7.22	107	192893	20.910	ng	84
25) Isophorone	7.36	82	102172	5.532	ng	# 64
27) 2,4-Dimethylphenol	7.77	122	20454	2.750	ng	# 91
31) Naphthalene	8.09	128	259842	10.071	ng	98
32) Benzoic acid	7.89	122	44829	15.423	ng	# 16
33) 4-Chloroaniline	8.09	127	32882	2.932	ng	# 31
50) 2,6-Dinitrotoluene	9.82	165	25822	7.710	ng	# 26
55) 4-Nitrophenol	10.04	139	4147	2.278	ng	# 9
56) 2,4-Dinitrotoluene	9.82	165	25822	6.843	ng	# 23
70) Phenanthrene	11.34	178	45078	2.460	ng	99
71) Anthracene	11.34	178	45078	2.408	ng	99
72) Carbazole	11.56	167	77681	4.433	ng	99

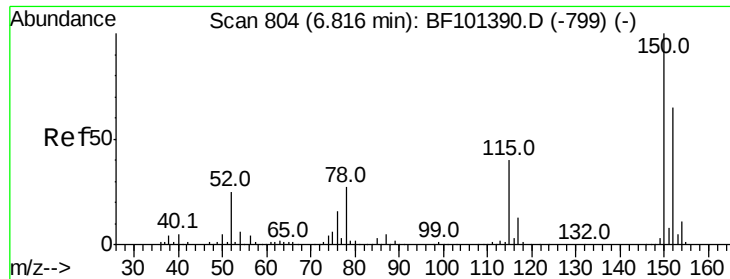
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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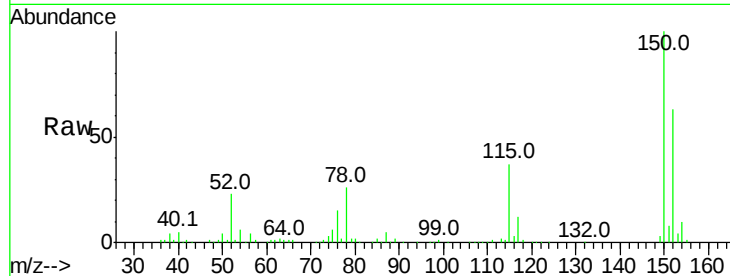


#1

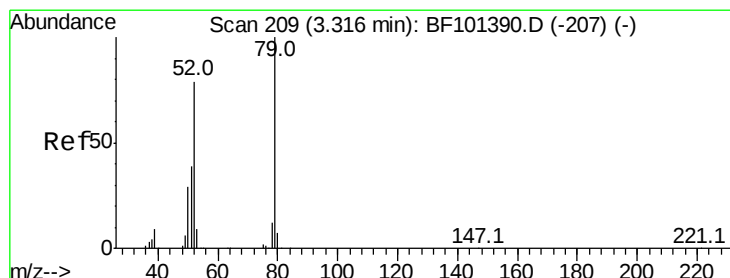
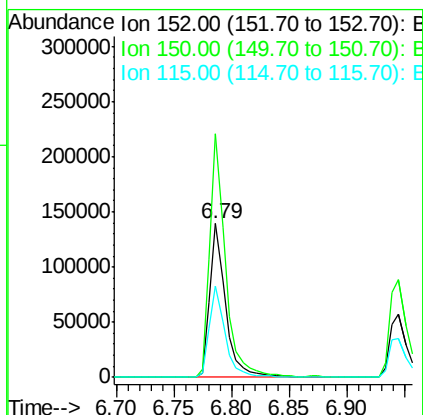
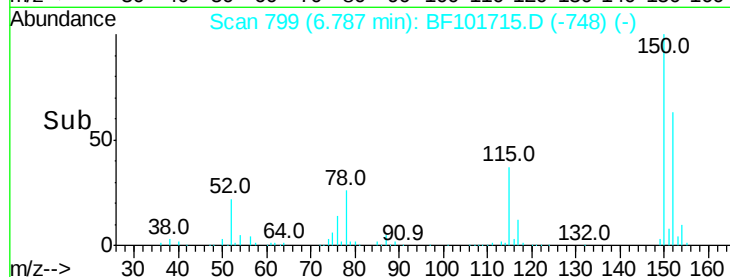
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF101715.D
 Acq: 26 Dec 2017 15:06

Instrument :
 BNA_F
 ClientSampleId :
 WC-69-01DL

Tot Ion:152 Resp: 134009
 Ion Ratio Lower Upper
 152 100
 150 158.1 124.6 186.8
 115 59.0 50.1 75.1



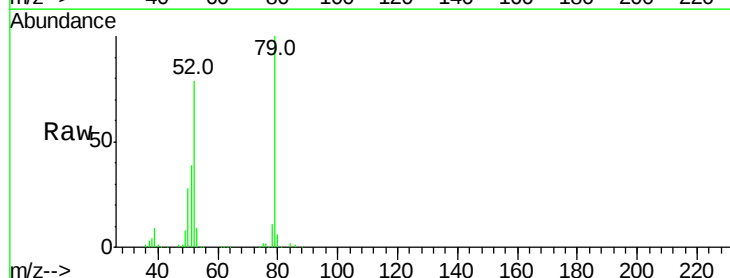
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



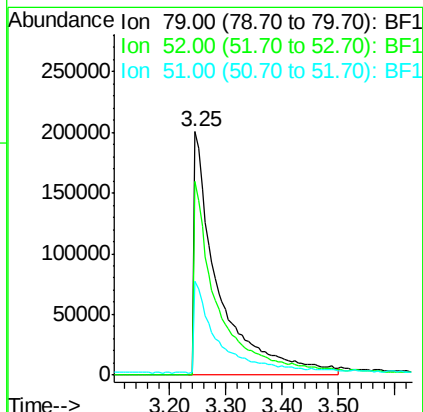
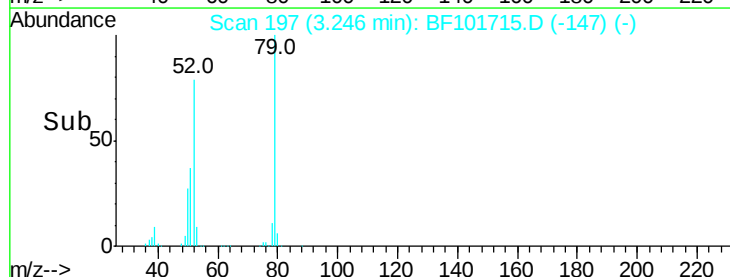
#3

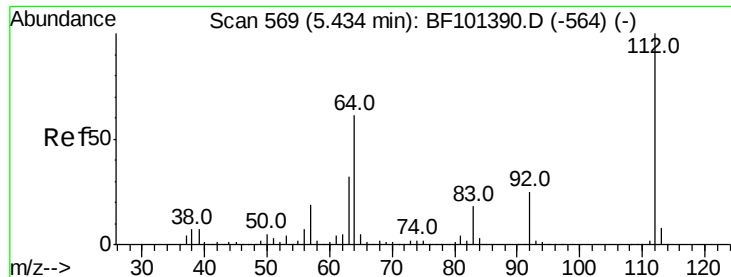
Pyridine
 Concen: 47.199 ng
 RT: 3.25 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: BF101715.D
 Acq: 26 Dec 2017 15:06

Tgt Ion: 79 Resp: 606204
 Ion Ratio Lower Upper
 79 100
 52 79.3 59.8 89.6
 51 38.5 29.8 44.8



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





#5

2-Fluorophenol

Concen: 12.333 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.04 min

Lab File: BF101715.D

Acq: 26 Dec 2017 15:06

Instrument :

BNA_F

ClientSampleId :

WC-69-01DL

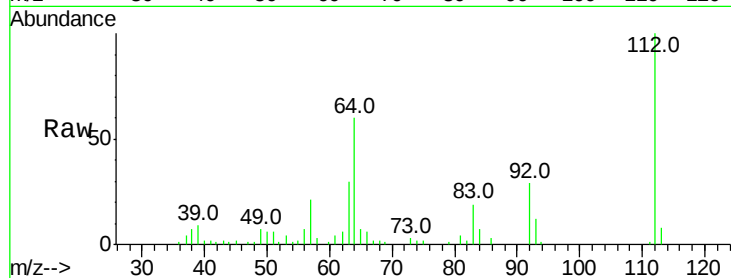
Tot Ion:112 Resp: 110951

Ion Ratio Lower Upper

112 100

64 60.2 47.9 71.9

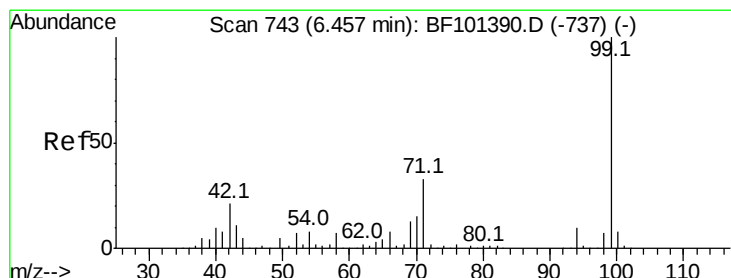
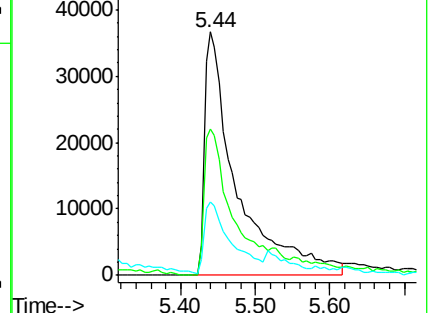
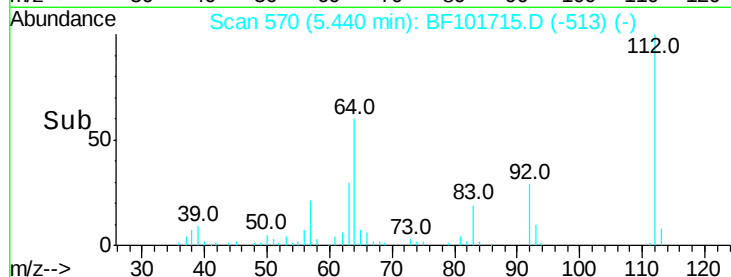
63 30.1 23.7 35.5



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



#7

Phenol-d6

Concen: 10.640 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101715.D

Acq: 26 Dec 2017 15:06

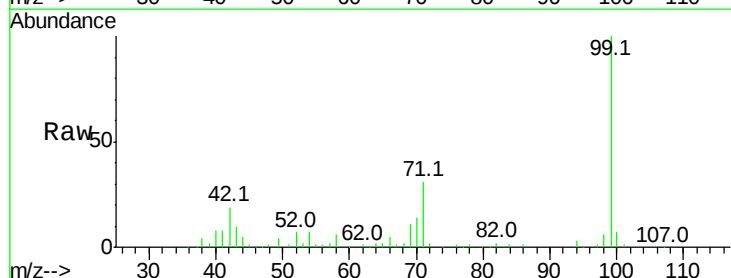
Tgt Ion: 99 Resp: 119129

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

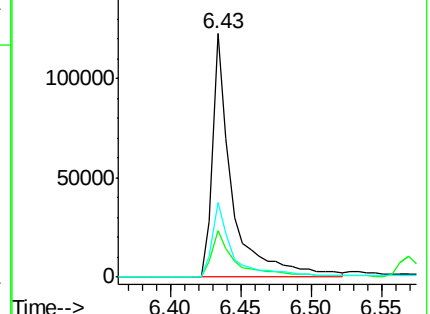
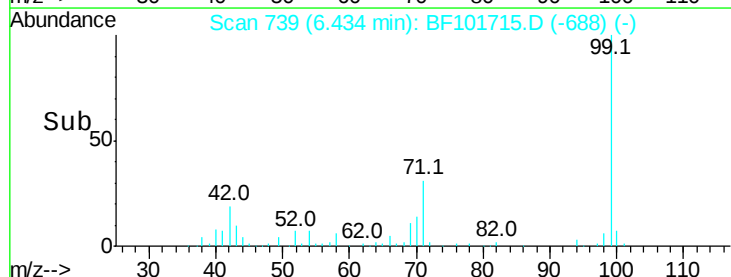
71 30.9 25.4 38.0

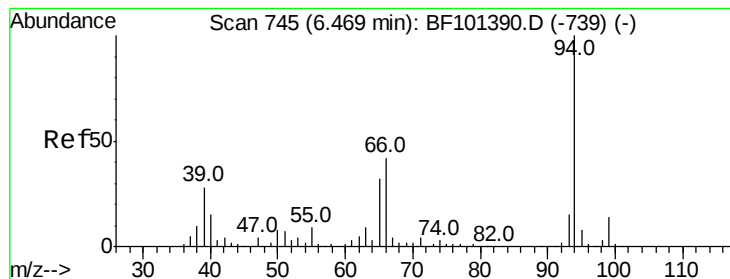


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 29.274 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF101715.D

Acq: 26 Dec 2017 15:06

Instrument :

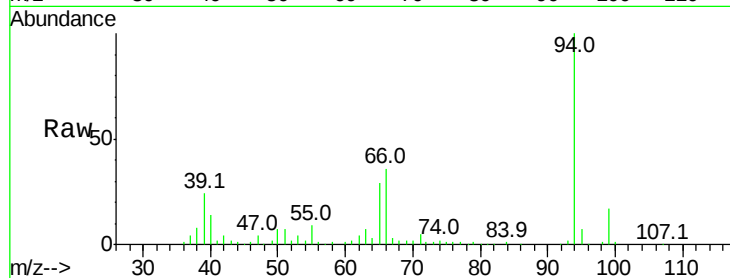
BNA_F

ClientSampleId :

WC-69-01DL

Tot Ion: 94 Resp: 373580

Ion	Ratio	Lower	Upper
94	100		
65	29.0	7.9	47.9
66	35.8	16.2	56.2



Abundance

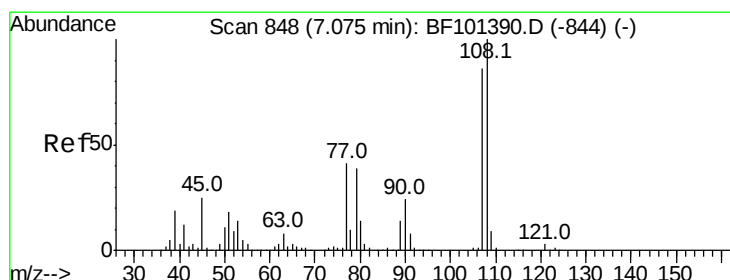
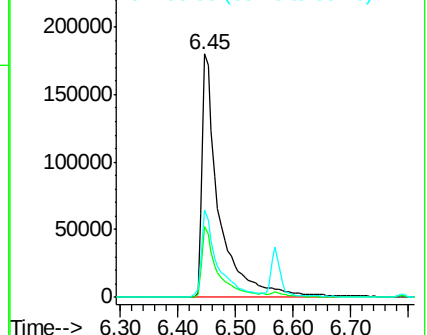
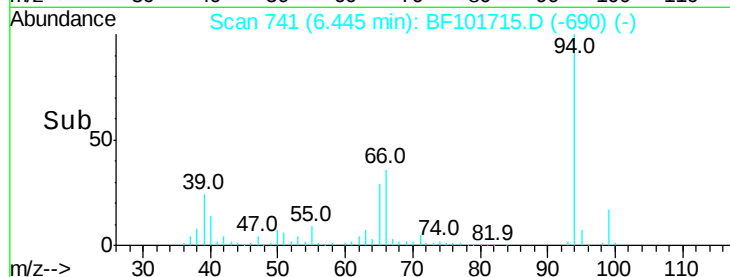
Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

6.45

Time-->



#17

2-Methylphenol

Concen: 5.958 ng

RT: 7.06 min Scan# 846

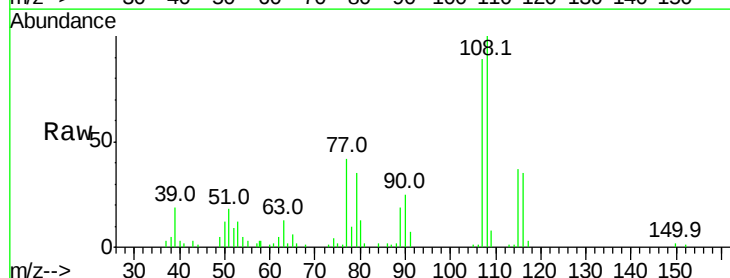
Delta R.T. 0.01 min

Lab File: BF101715.D

Acq: 26 Dec 2017 15:06

Tgt Ion:107 Resp: 51863

Ion	Ratio	Lower	Upper
107	100		
108	112.7	91.7	137.5
77	47.1	33.8	50.8
79	39.5	33.8	50.8



Abundance

Ion 107.00 (106.70 to 107.70): BF1

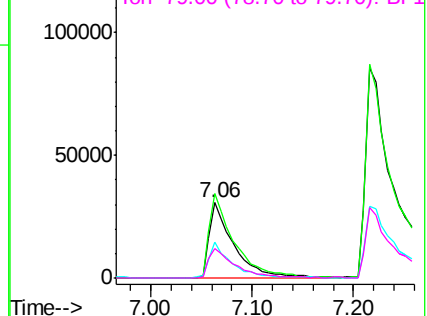
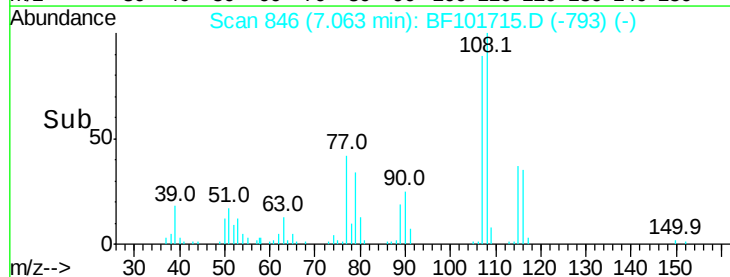
Ion 108.00 (107.70 to 108.70): BF1

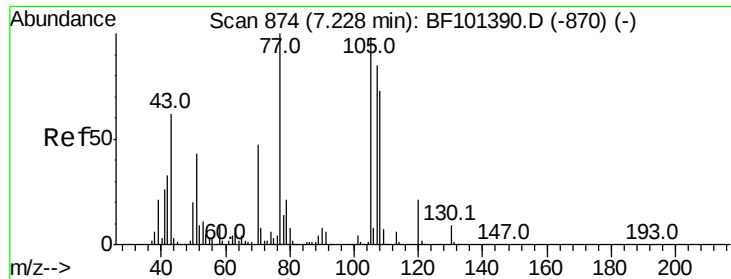
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

7.06

Time-->





#20

3+4-Methylphenols

Concen: 20.910 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.01 min

Lab File: BF101715.D

Acq: 26 Dec 2017 15:06

Instrument :

BNA_F

ClientSampled :

WC-69-01DL

Tot Ion:107 Resp: 192893

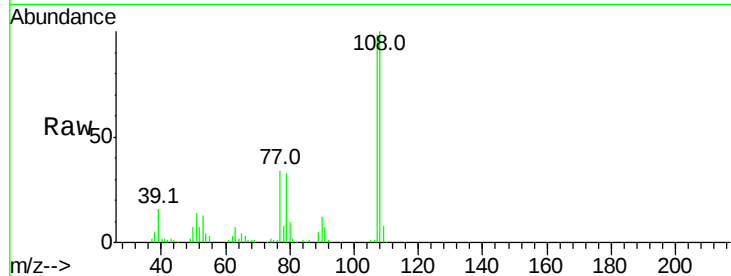
Ion Ratio Lower Upper

107 100

108 101.7 68.2 108.2

77 34.2 26.7 66.7

79 33.7 6.3 46.3

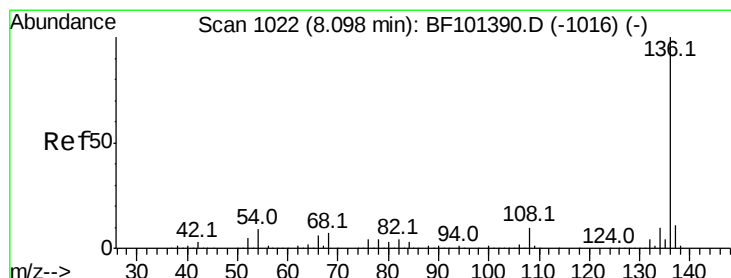
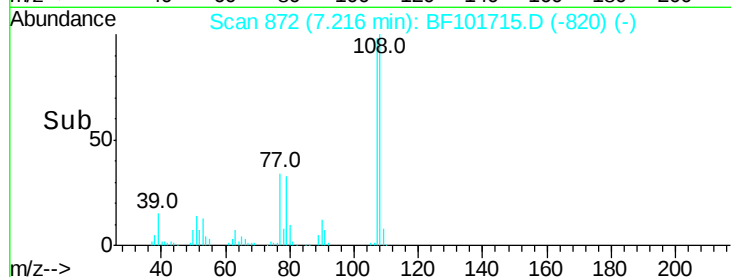
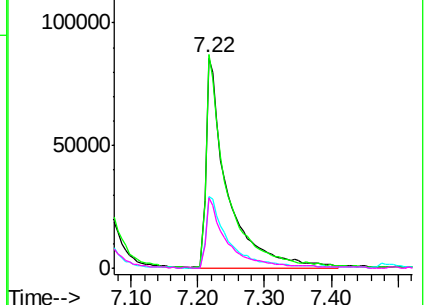


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF101715.D

Acq: 26 Dec 2017 15:06

Tgt Ion:136 Resp: 512485

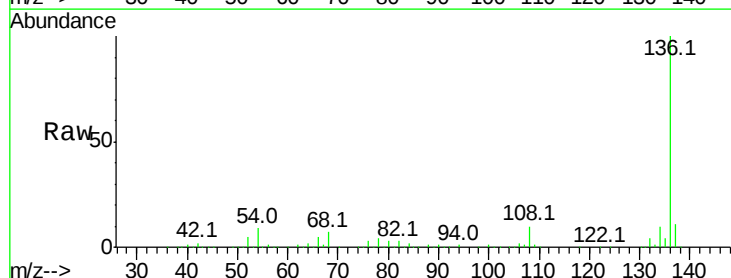
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.9 6.6 9.8

68 6.7 5.0 7.4

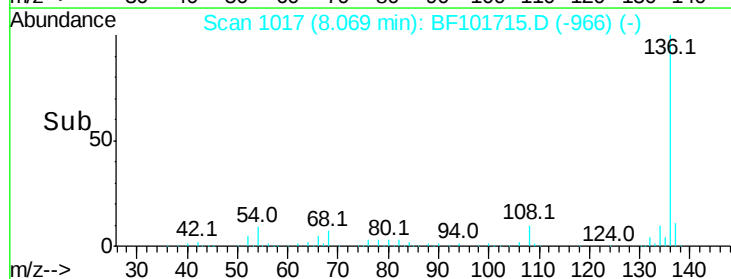
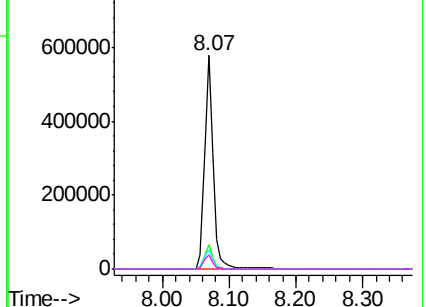


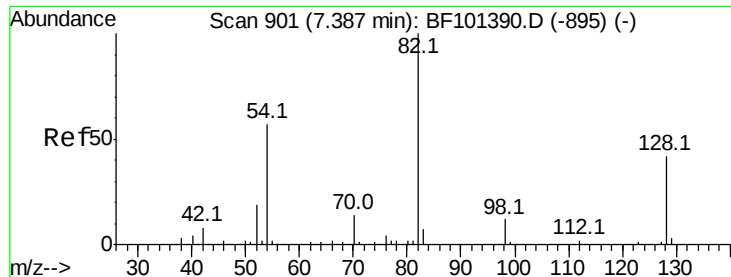
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

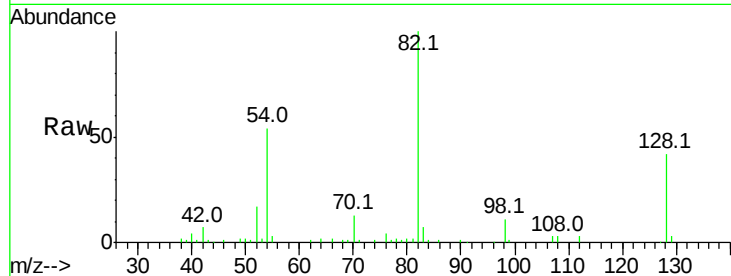




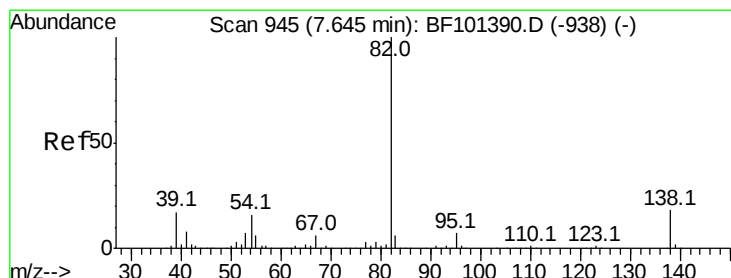
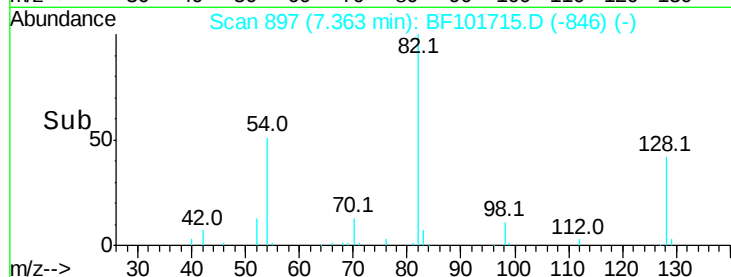
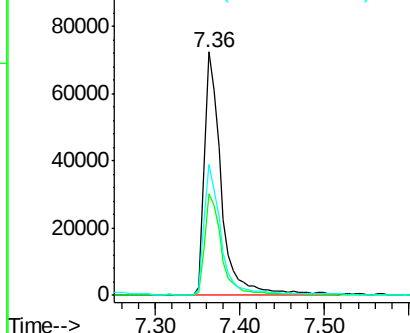
#23
Nitrobenzene-d5
Concen: 11.098 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF101715.D
Acq: 26 Dec 2017 15:06

Instrument :
BNA_F
ClientSampleId :
WC-69-01DL

Tot Ion: 82 Resp: 102172
Ion Ratio Lower Upper
82 100
128 41.9 36.1 54.1
54 53.6 41.4 62.2

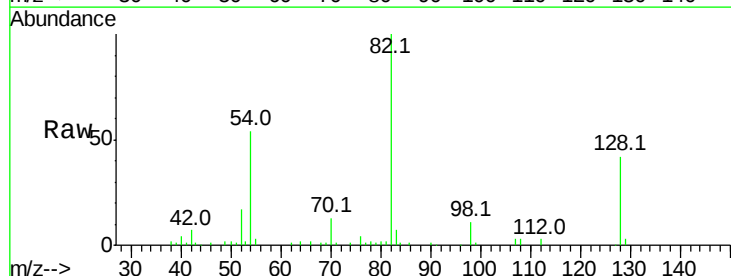


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

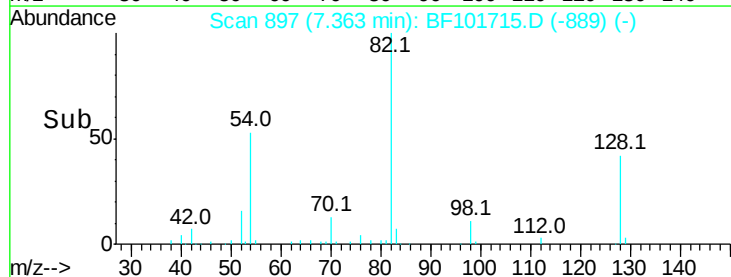
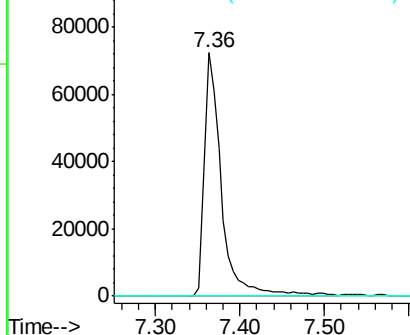


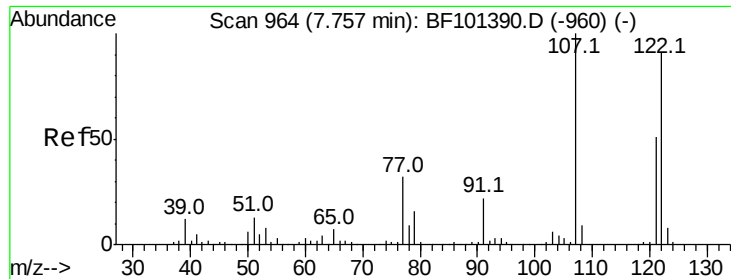
#25
Isophorone
Concen: 5.532 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.25 min
Lab File: BF101715.D
Acq: 26 Dec 2017 15:06

Tgt Ion: 82 Resp: 102172
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



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

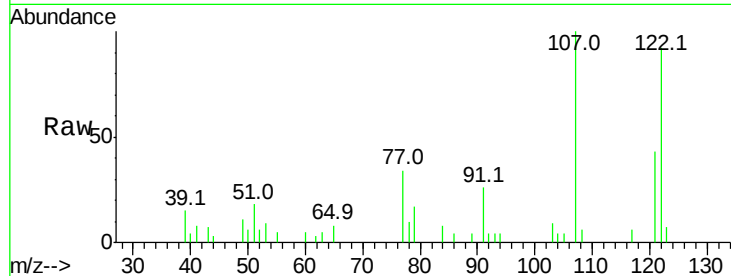




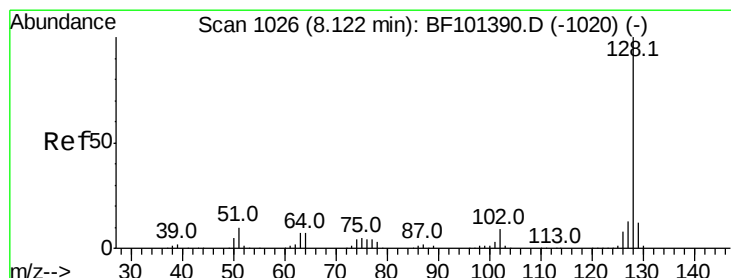
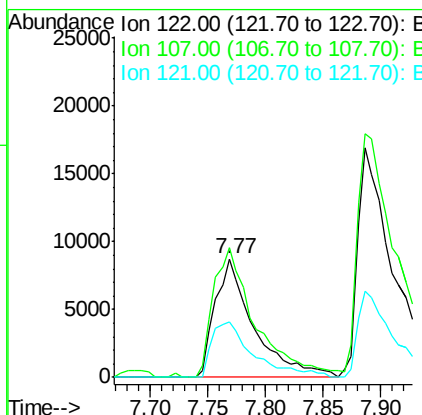
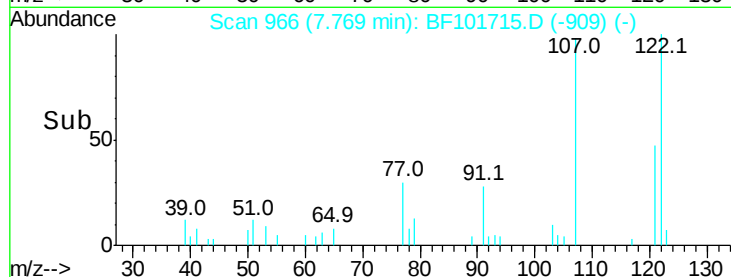
#27
2,4-Dimethylphenol
Concen: 2.750 ng
RT: 7.77 min Scan# 966
Delta R.T. 0.04 min
Lab File: BF101715.D
Acq: 26 Dec 2017 15:06

Instrument :
BNA_F
ClientSampleId :
WC-69-01DL

Tot Ion:122 Resp: 20454
Ion Ratio Lower Upper
122 100
107 109.1 91.2 136.8
121 46.6 47.2 70.8#

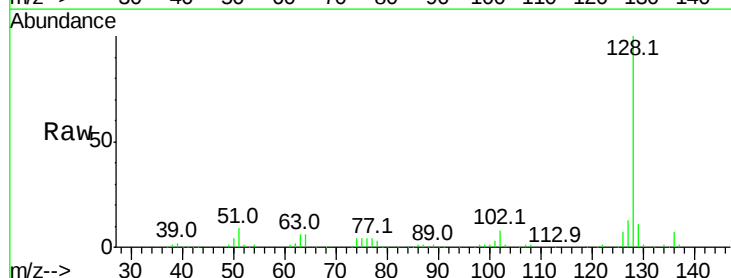


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

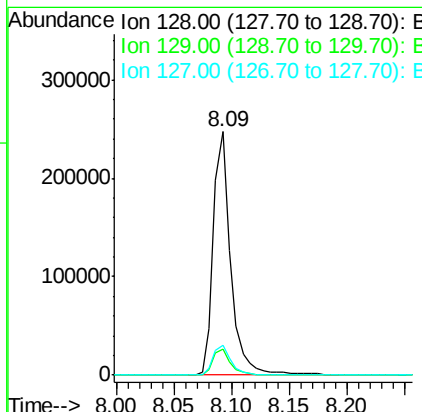
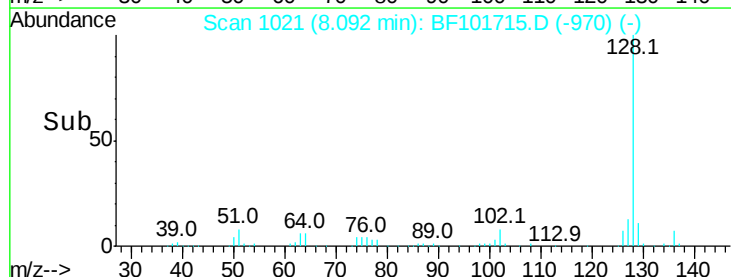


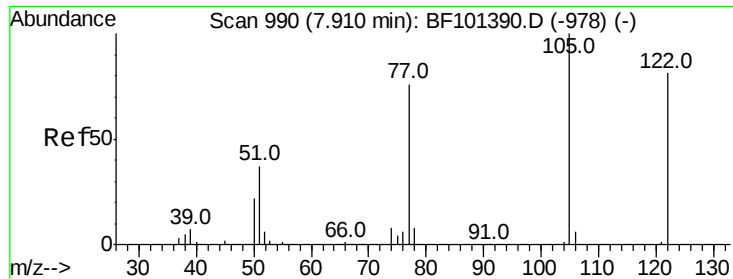
#31
Naphthalene
Concen: 10.071 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF101715.D
Acq: 26 Dec 2017 15:06

Tgt Ion:128 Resp: 259842
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.5 10.9 16.3



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

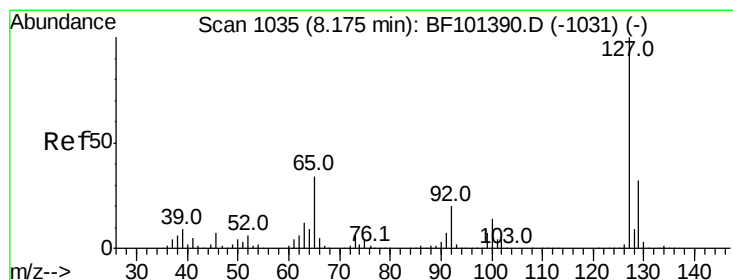
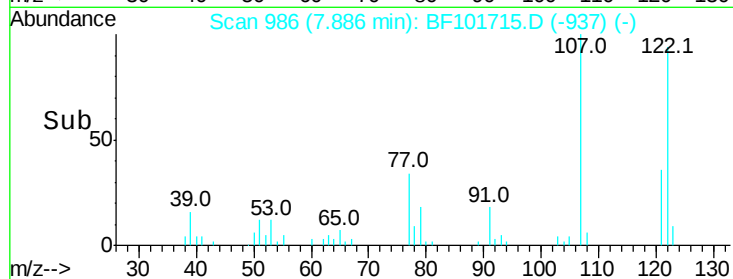
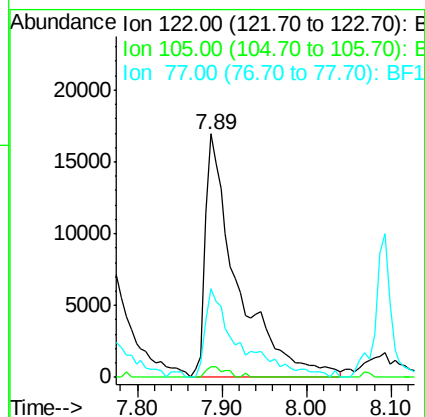
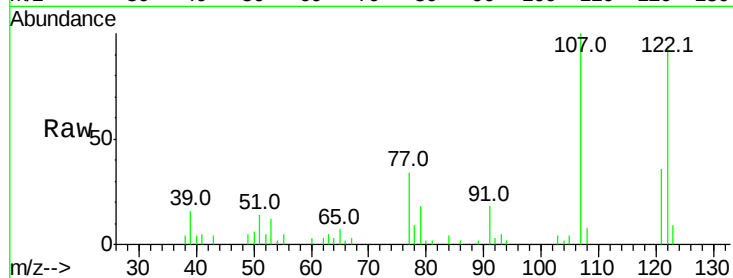




#32
Benzoic acid
Concen: 15.423 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF101715.D
Acq: 26 Dec 2017 15:06

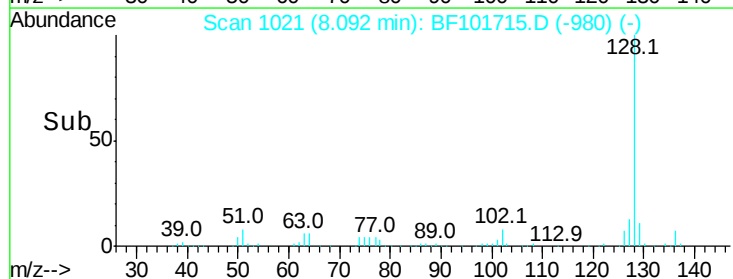
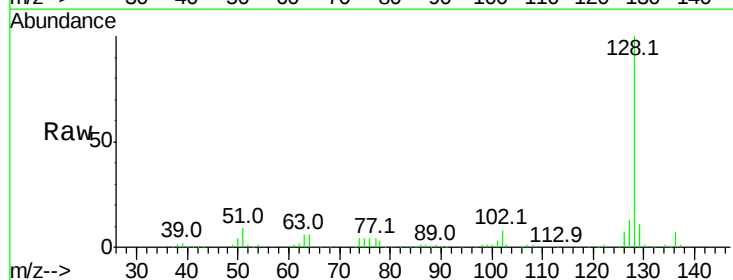
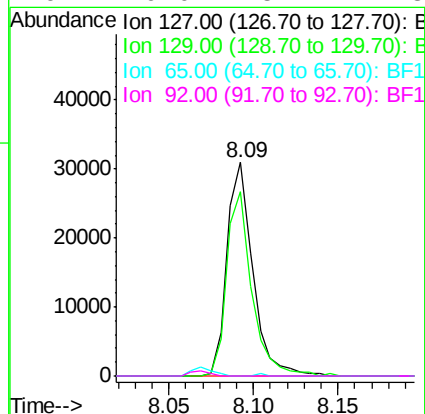
Instrument :
BNA_F
ClientSampleId :
WC-69-01DL

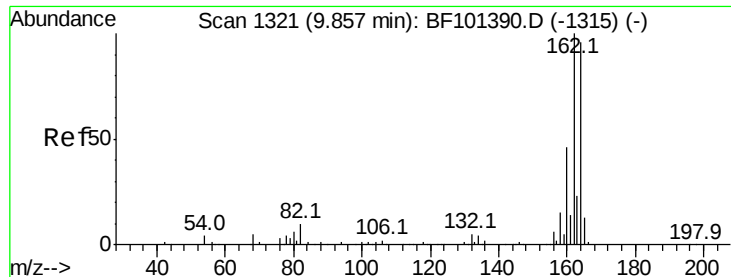
Tot Ion:122 Resp: 44829
Ion Ratio Lower Upper
122 100
105 4.3 101.1 141.1#
77 36.5 70.7 110.7#



#33
4-Chloroaniline
Concen: 2.932 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.06 min
Lab File: BF101715.D
Acq: 26 Dec 2017 15:06

Tgt Ion:127 Resp: 32882
Ion Ratio Lower Upper
127 100
129 86.3 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#

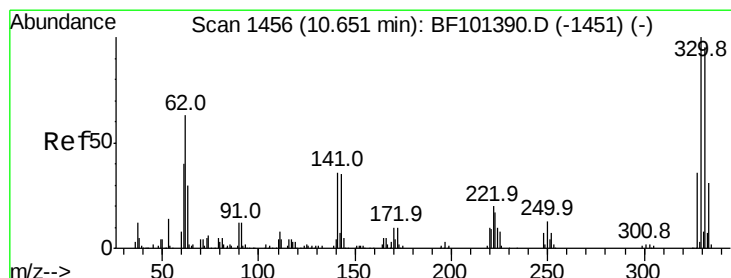
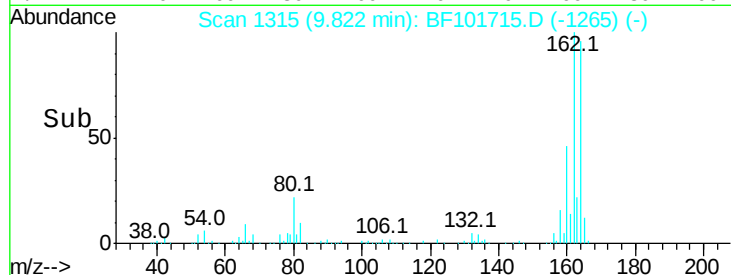
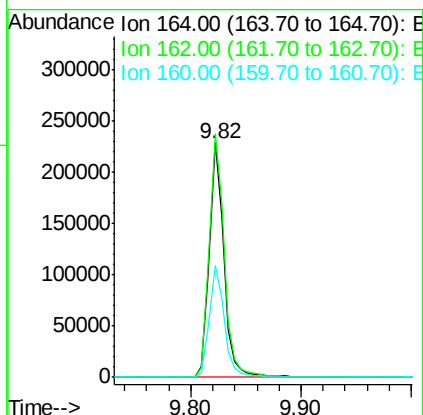
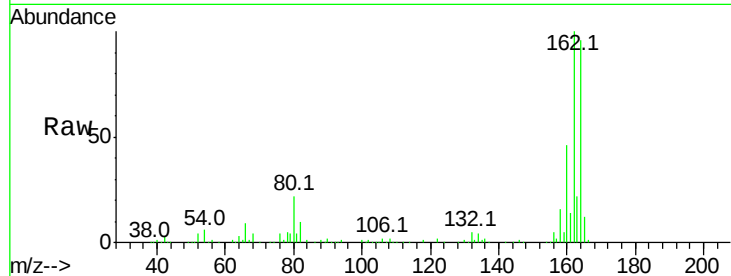




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101715.D
Acq: 26 Dec 2017 15:06

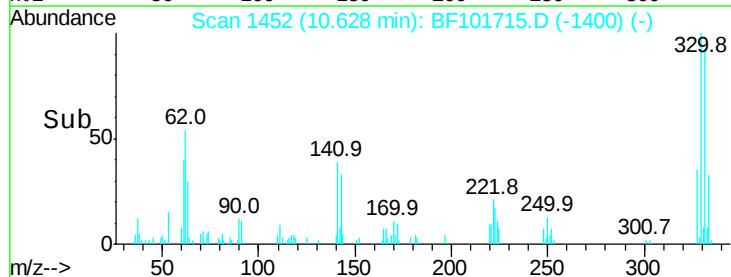
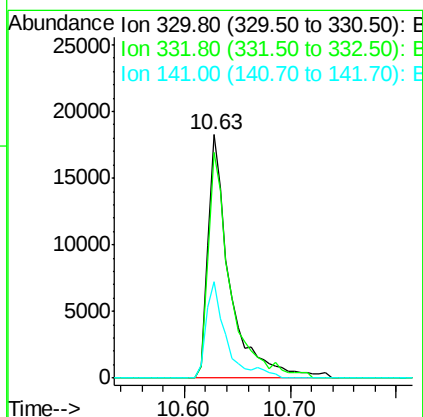
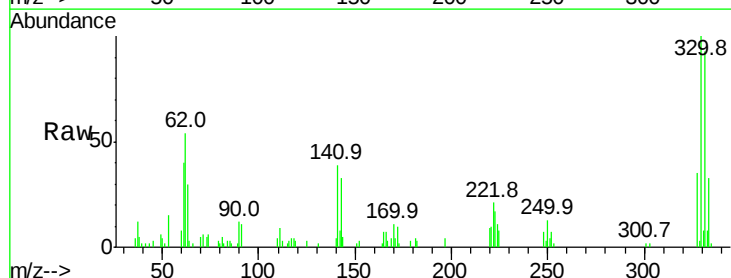
Instrument :
BNA_F
ClientSampleId :
WC-69-01DL

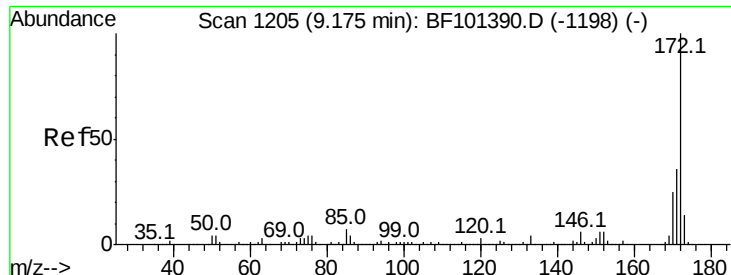
Tot Ion:164 Resp: 204871
Ion Ratio Lower Upper
164 100
162 104.0 86.1 129.1
160 47.7 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 13.424 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.01 min
Lab File: BF101715.D
Acq: 26 Dec 2017 15:06

Tgt Ion:330 Resp: 26501
Ion Ratio Lower Upper
330 100
332 94.2 77.0 115.6
141 36.4 29.9 44.9

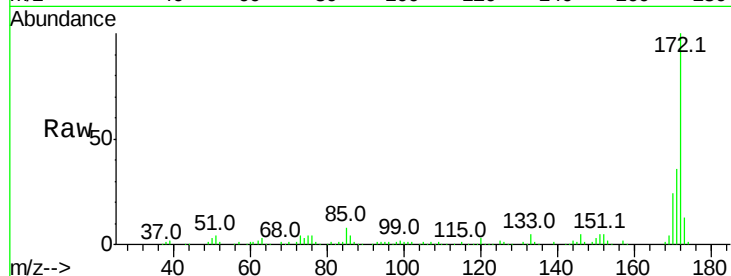




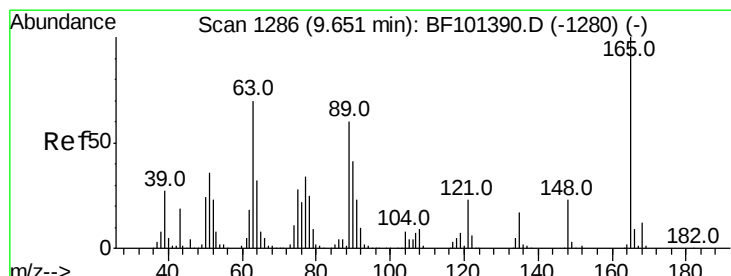
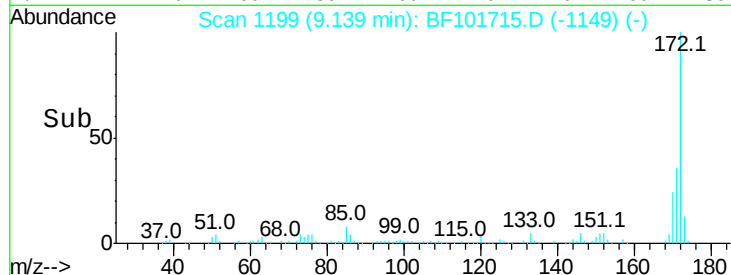
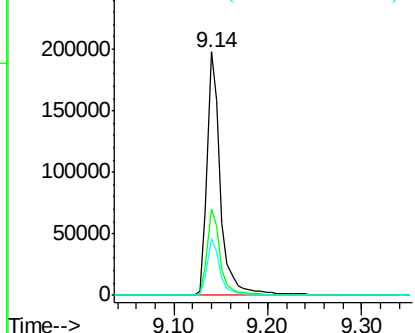
#44
 2-Fluorobiphenyl
 Concen: 15.150 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101715.D
 Acq: 26 Dec 2017 15:06

Instrument :
 BNA_F
 ClientSampleId :
 WC-69-01DL

Tot Ion:172 Resp: 200079
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 23.5 19.6 29.4

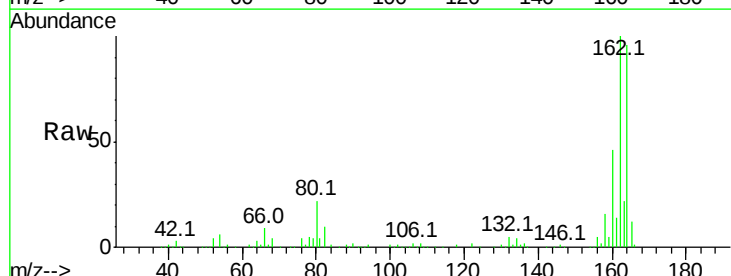


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

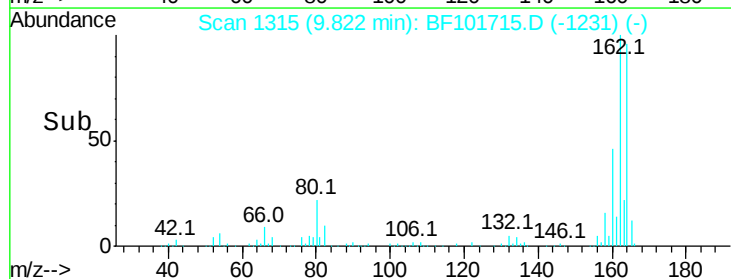
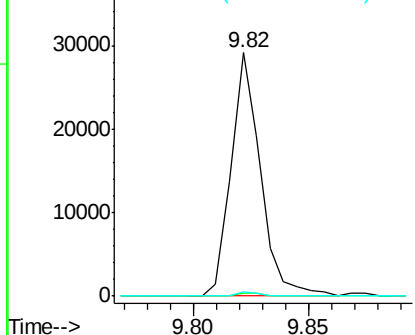


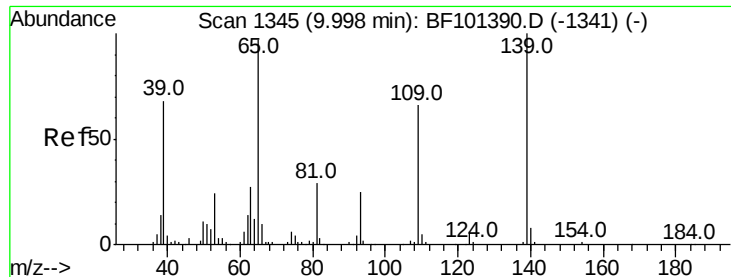
#50
 2,6-Dinitrotoluene
 Concen: 7.710 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF101715.D
 Acq: 26 Dec 2017 15:06

Tgt Ion:165 Resp: 25822
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.7 67.1#
 89 1.6 44.0 66.0#



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

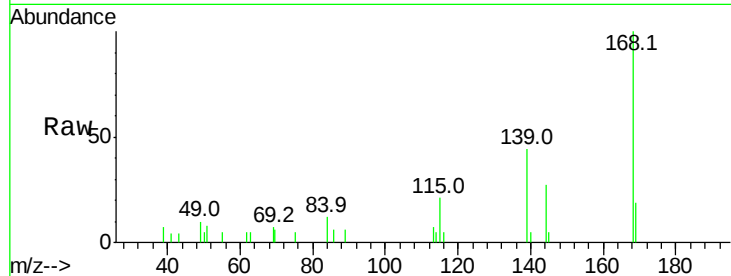




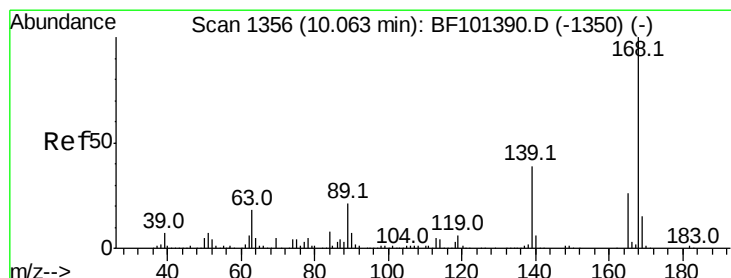
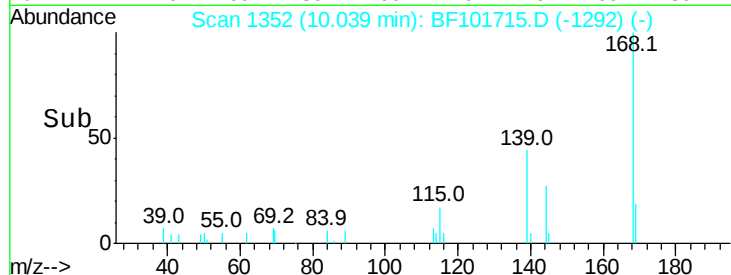
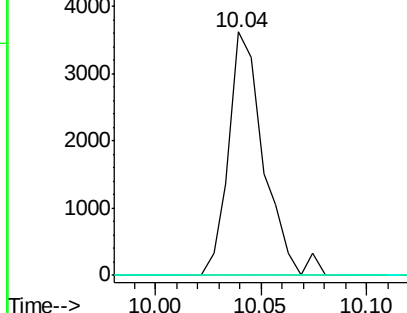
#55
4-Nitrophenol
Concen: 2.278 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.05 min
Lab File: BF101715.D
Acq: 26 Dec 2017 15:06

Instrument :
BNA_F
ClientSampleId :
WC-69-01DL

Tot Ion:139 Resp: 4147
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

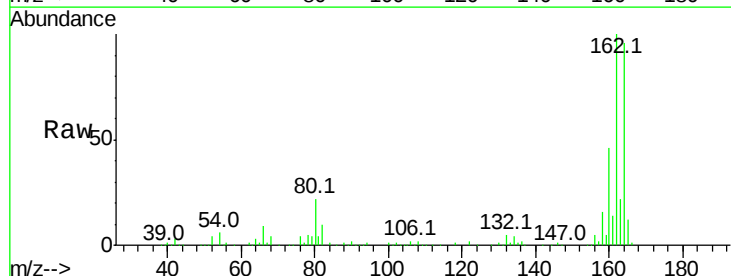


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

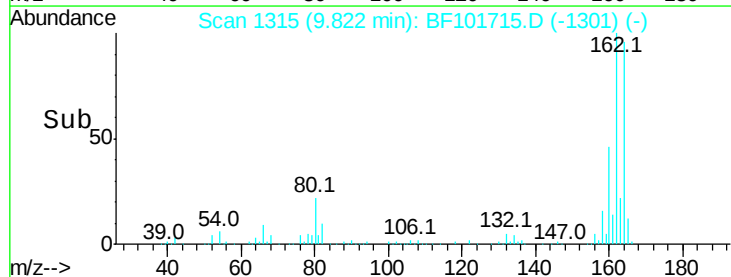
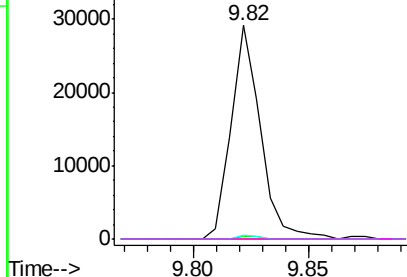


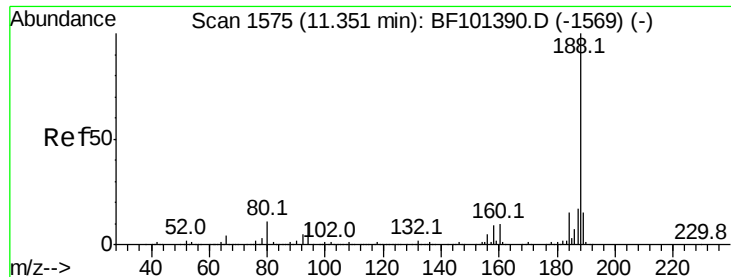
#56
2,4-Dinitrotoluene
Concen: 6.843 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.22 min
Lab File: BF101715.D
Acq: 26 Dec 2017 15:06

Tgt Ion:165 Resp: 25822
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.6 57.8 86.6#
182 0.0 1.6 2.4#



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

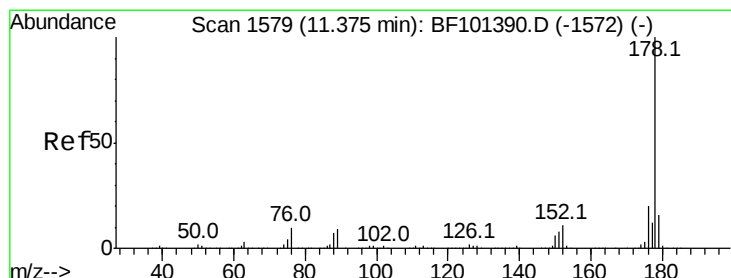
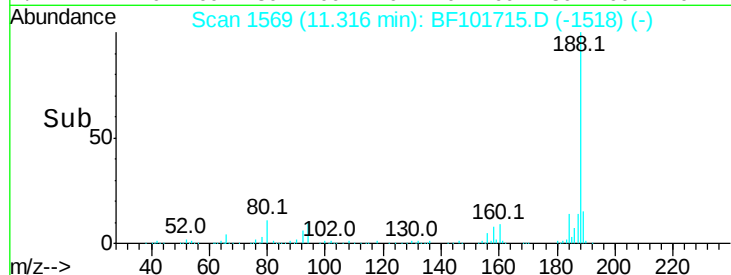
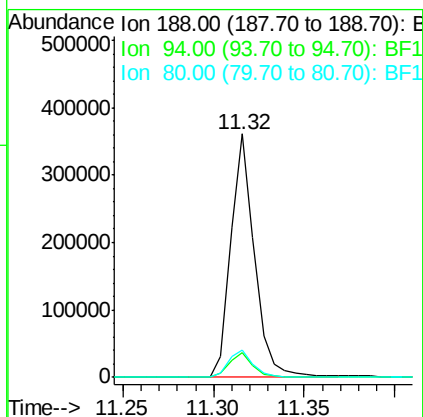
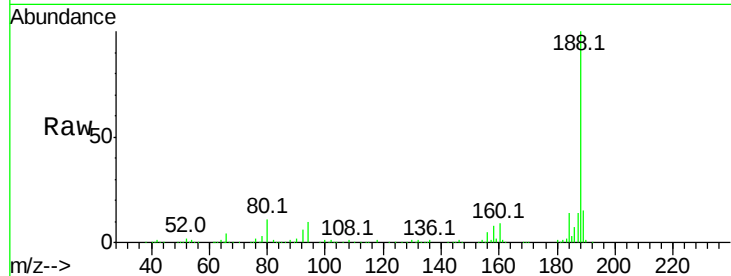




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF101715.D
Acq: 26 Dec 2017 15:06

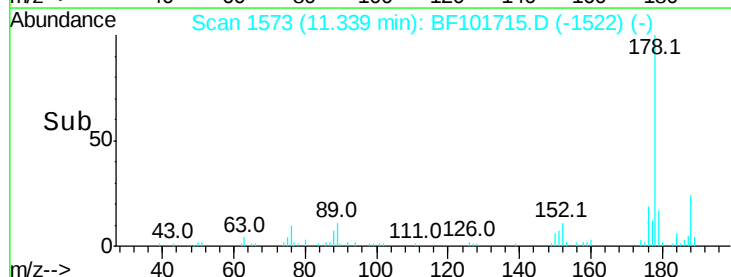
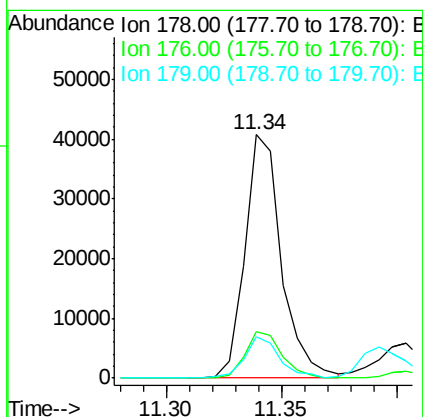
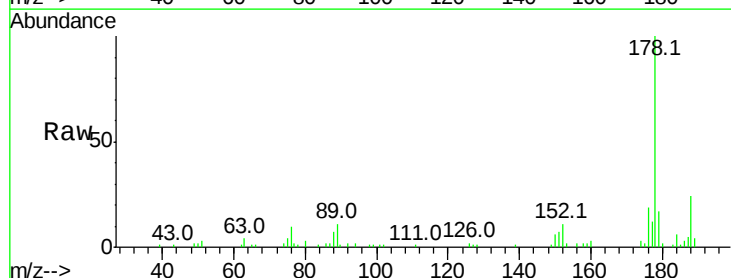
Instrument :
BNA_F
ClientSampleId :
WC-69-01DL

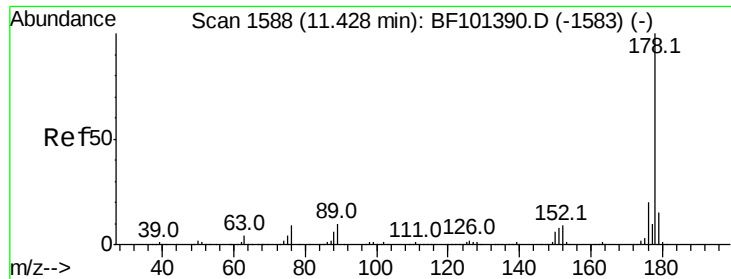
Tot Ion:188 Resp: 329494
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 11.0 9.2 13.8



#70
Phenanthrene
Concen: 2.460 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101715.D
Acq: 26 Dec 2017 15:06

Tgt Ion:178 Resp: 45078
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 16.9 13.0 19.6

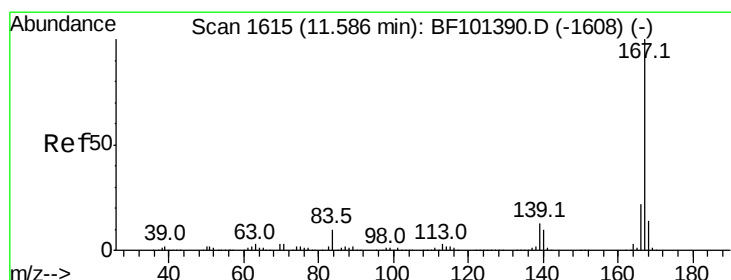
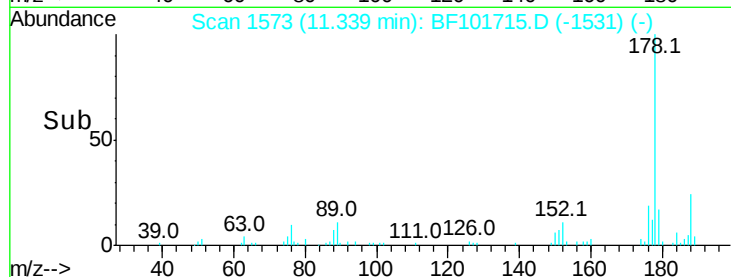
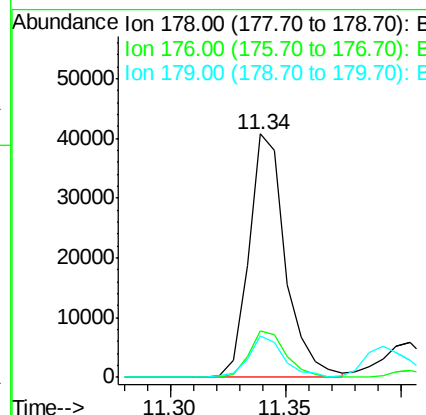
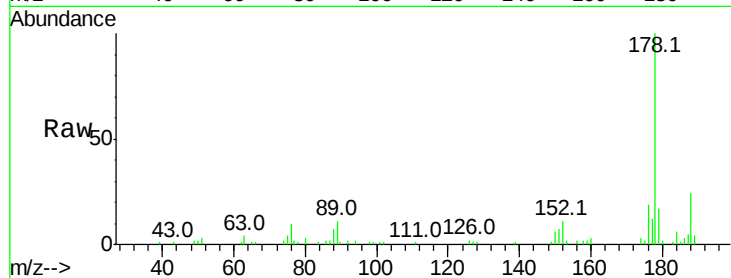




#71
 Anthracene
 Concen: 2.408 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.05 min
 Lab File: BF101715.D
 Acq: 26 Dec 2017 15:06

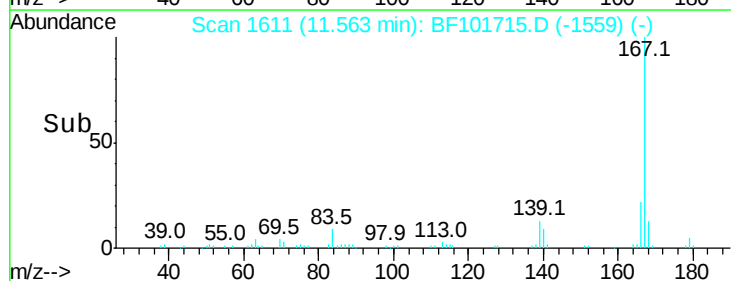
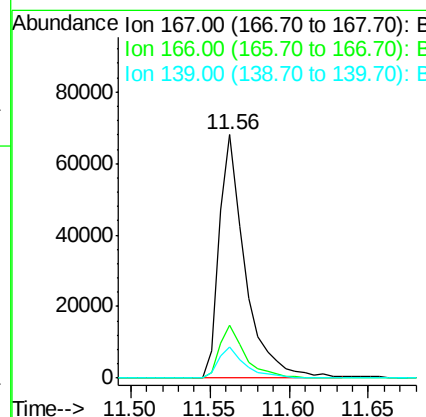
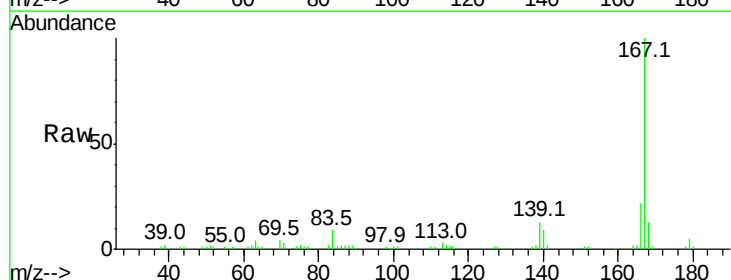
Instrument :
 BNA_F
 ClientSampleId :
 WC-69-01DL

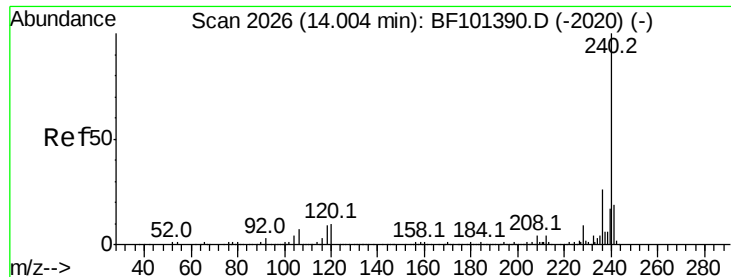
Tot Ion:178 Resp: 45078
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.2
 179 16.9 12.6 19.0



#72
 Carbazole
 Concen: 4.433 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BF101715.D
 Acq: 26 Dec 2017 15:06

Tgt Ion:167 Resp: 77681
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.6 26.4
 139 12.7 10.9 16.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF101715.D

Acq: 26 Dec 2017 15:06

Instrument :

BNA_F

ClientSampleId :

WC-69-01DL

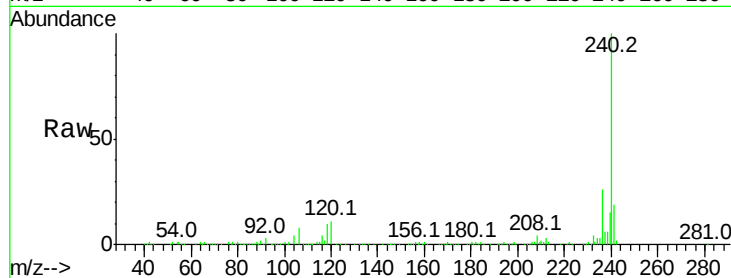
Tot Ion:240 Resp: 273409

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

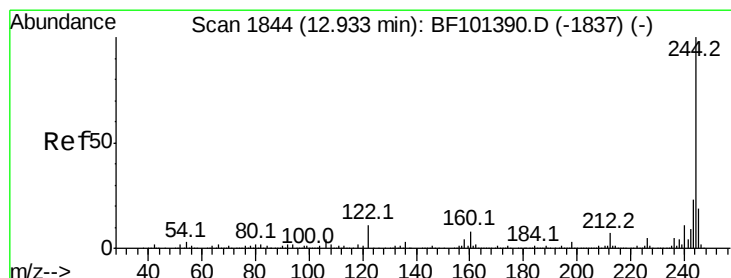
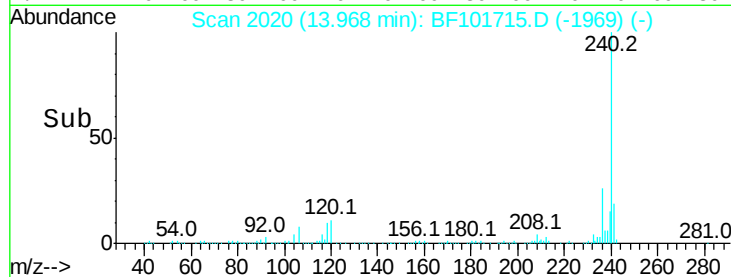
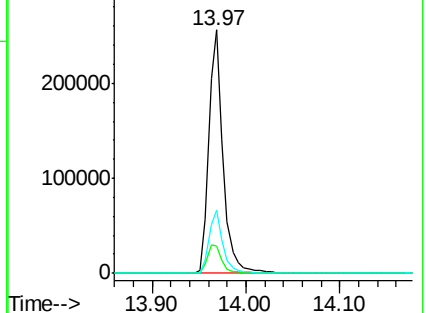
236 25.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 13.439 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101715.D

Acq: 26 Dec 2017 15:06

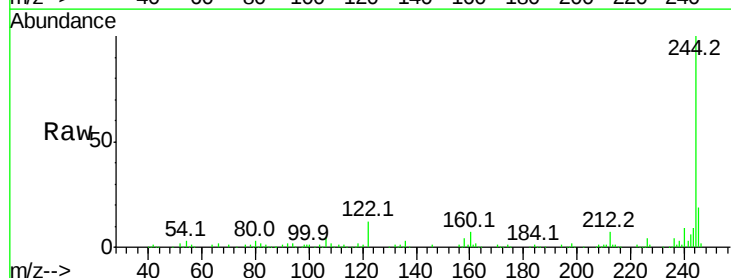
Tgt Ion:244 Resp: 152415

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

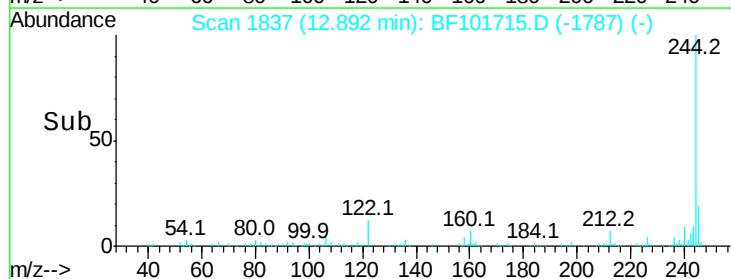
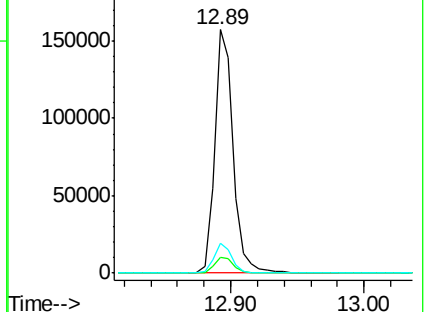
122 12.5 11.0 16.4

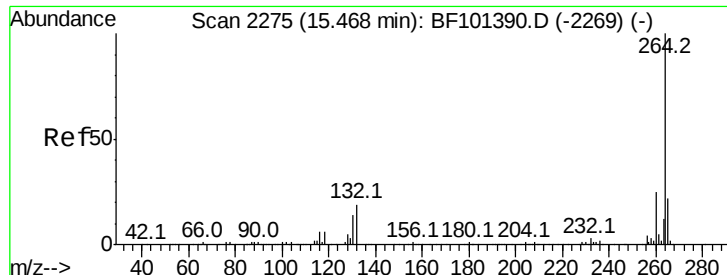


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

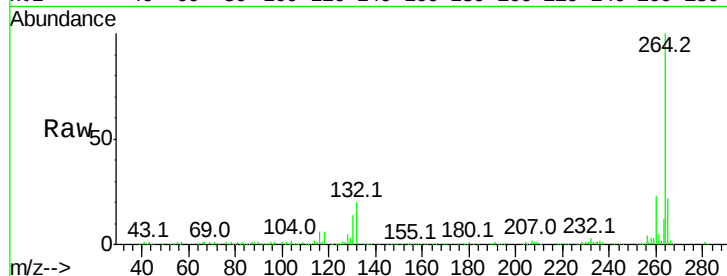




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF101715.D
Acq: 26 Dec 2017 15:06

Instrument :
BNA_F
ClientSampleId :
WC-69-01DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.7	17.5	26.3



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

