

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012318\
 Data File : BF102385.D
 Acq On : 24 Jan 2018 11:59
 Operator : SJ/JU
 Sample : J1239-16DL 20X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 24 12:33:58 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

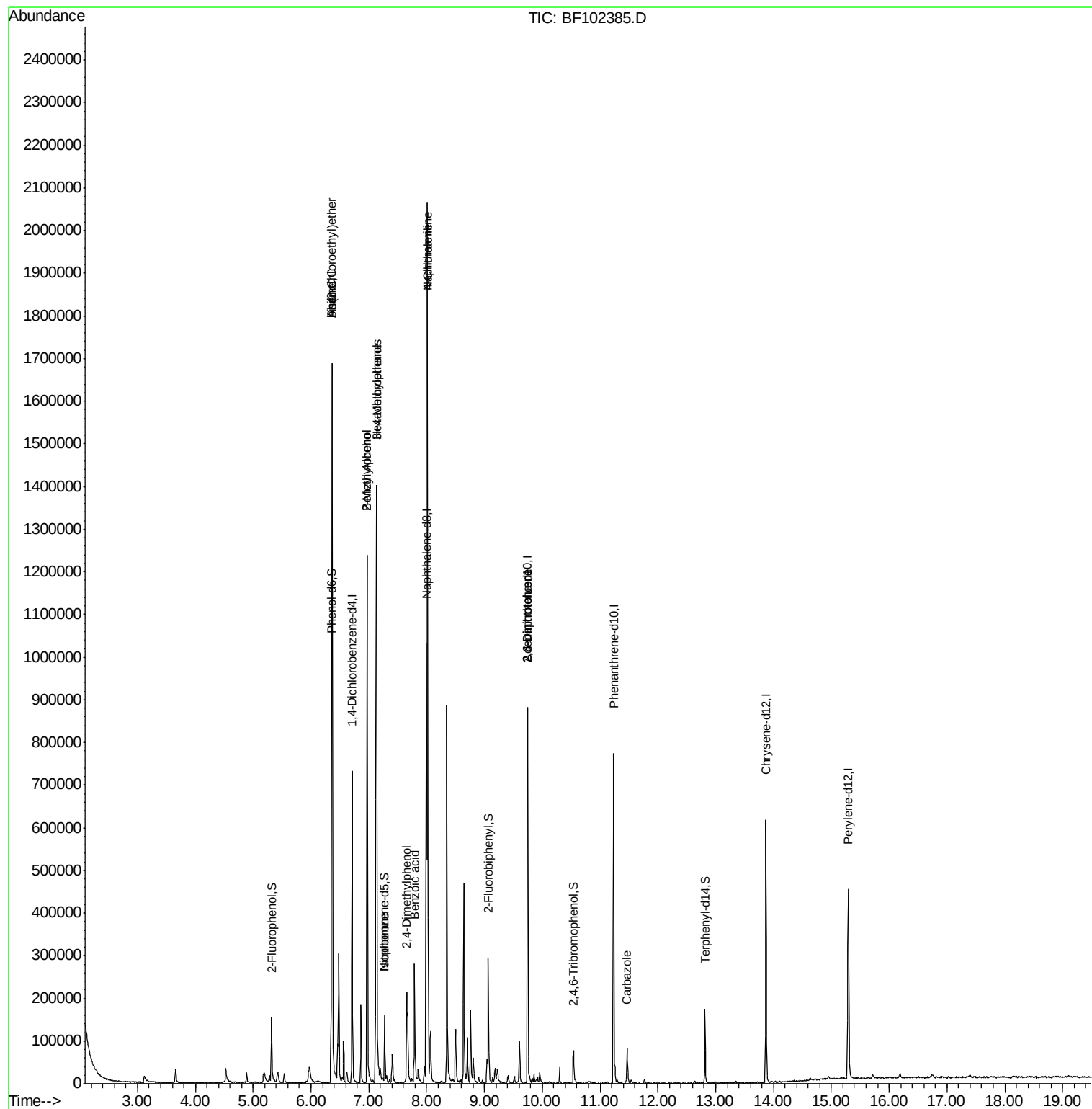
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	115127	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	463931	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	191744	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	281915	20.00	ng	0.00
75) Chrysene-d12	13.87	240	210895	20.00	ng	0.00
86) Perylene-d12	15.29	264	204660	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	51784	6.82	ng	0.00
7) Phenol-d6	6.35	99	60460	6.60	ng	0.00
23) Nitrobenzene-d5	7.27	82	43978	5.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	9974	5.25	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	93235	7.15	ng	-0.01
78) Terphenyl-d14	12.82	244	60136	6.43	ng	0.00
Target Compounds						
6) Aniline	6.37	93	28448	2.350	ng	Qvalue # 1
10) Phenol	6.36	94	622557	62.296	ng	99
11) bis(2-Chloroethyl)ether	6.37	93	28448	3.743	ng	# 1
15) Benzyl Alcohol	6.97	79	50782	7.863	ng	# 1
17) 2-Methylphenol	6.97	107	123069	17.804	ng	97
18) Hexachloroethane	7.13	117	8321	2.518	ng	# 2
20) 3+4-Methylphenols	7.13	107	385119	47.371	ng	85
25) Isophorone	7.27	82	43977	3.056	ng	# 64
27) 2,4-Dimethylphenol	7.66	122	66196	10.484	ng	96
31) Naphthalene	8.02	128	978255	42.233	ng	99
32) Benzoic acid	7.79	122	63255	11.958	ng	# 13
33) 4-Chloroaniline	8.02	127	130320	13.379	ng	# 35
50) 2,6-Dinitrotoluene	9.75	165	24436	7.151	ng	# 24
56) 2,4-Dinitrotoluene	9.75	165	24436	5.815	ng	# 22
72) Carbazole	11.47	167	38654	2.363	ng	96

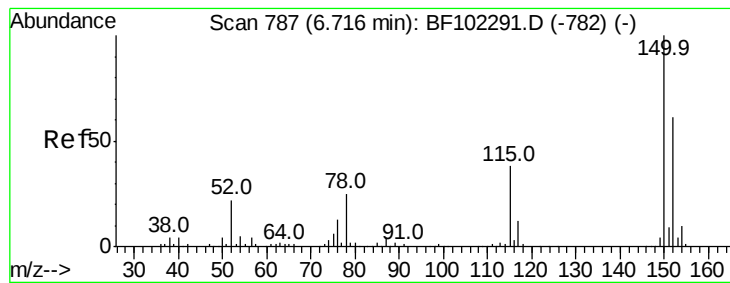
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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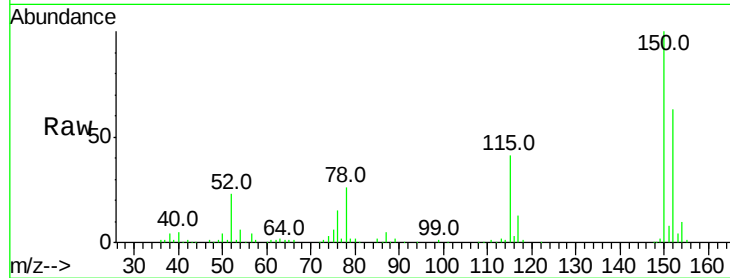


#1

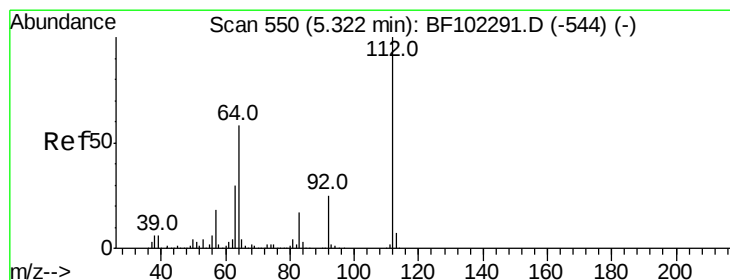
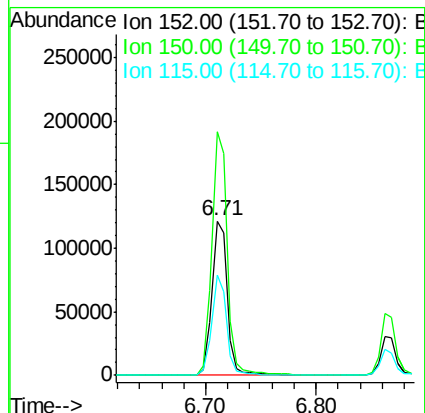
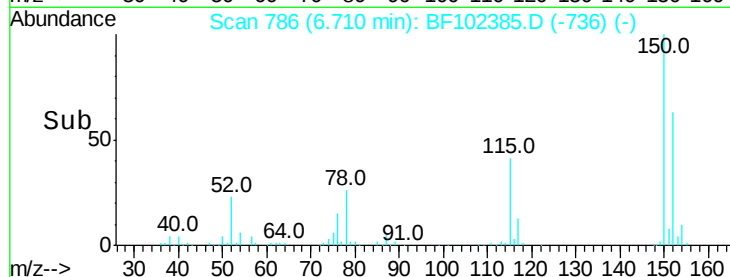
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102385.D
Acq: 24 Jan 2018 11:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115127
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 64.8 50.1 75.1



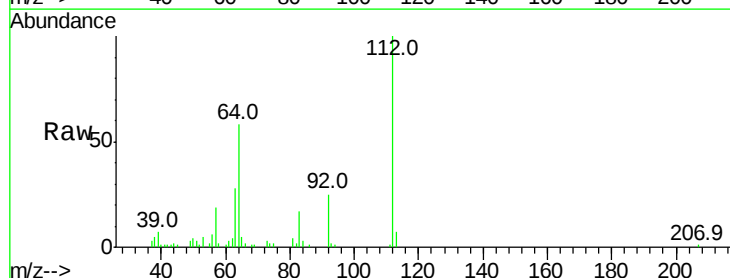
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



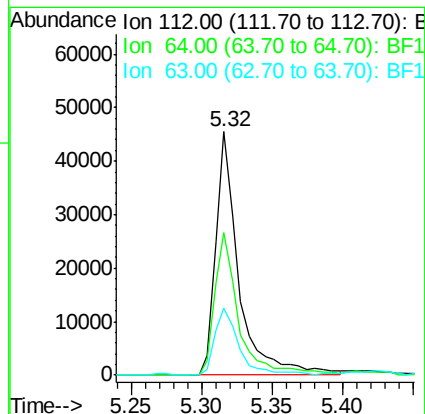
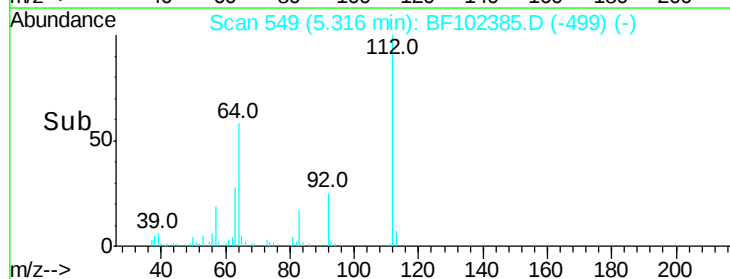
#5

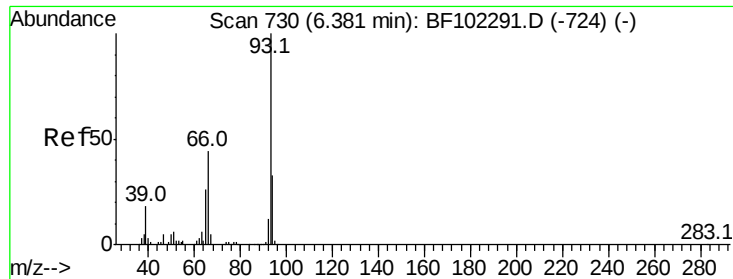
2-Fluorophenol
Concen: 6.820 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102385.D
Acq: 24 Jan 2018 11:59

Tgt Ion:112 Resp: 51784
Ion Ratio Lower Upper
112 100
64 58.5 47.9 71.9
63 27.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#6

Aniline

Concen: 2.350 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102385.D

Acq: 24 Jan 2018 11:59

Instrument :

BNA_F

ClientSampled :

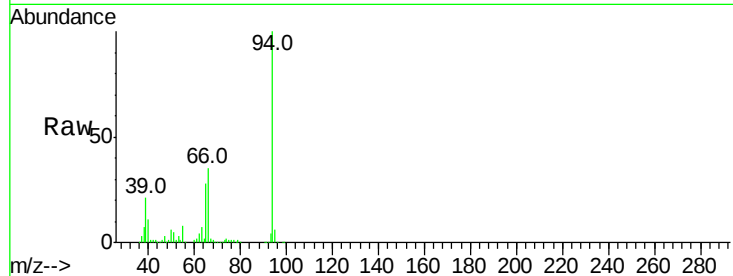
Tot Ion: 93 Resp: 28448

Ion Ratio Lower Upper

93 100

66 968.7 32.2 48.2#

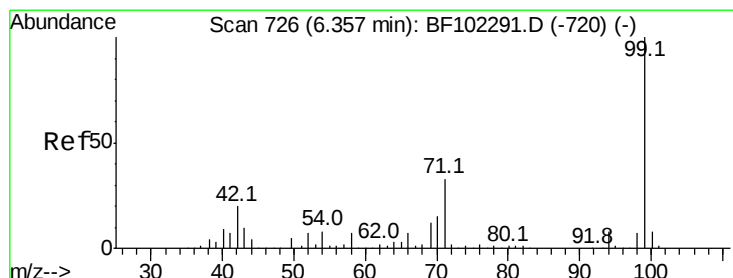
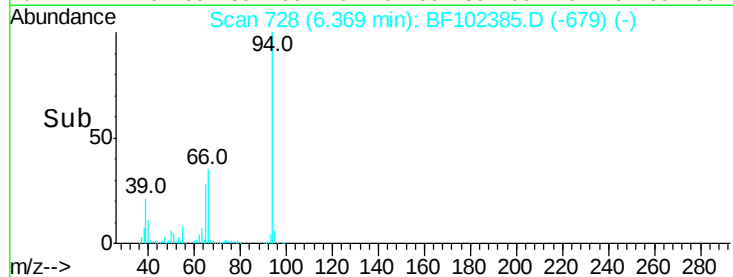
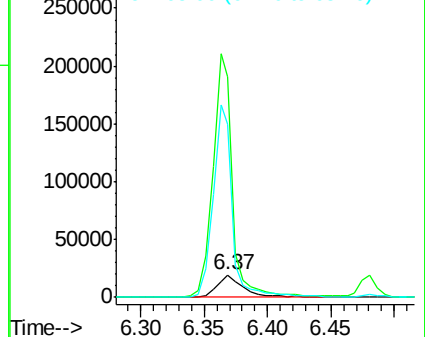
65 761.9 16.4 24.6#



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: 6.605 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102385.D

Acq: 24 Jan 2018 11:59

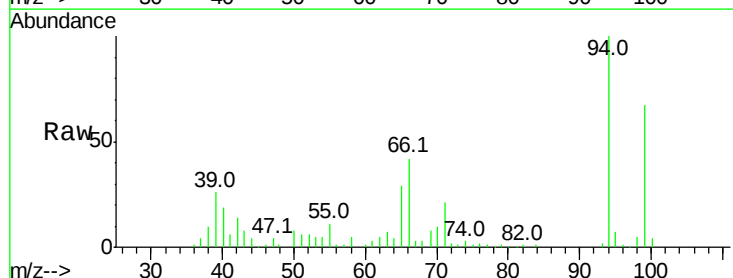
Tgt Ion: 99 Resp: 60460

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

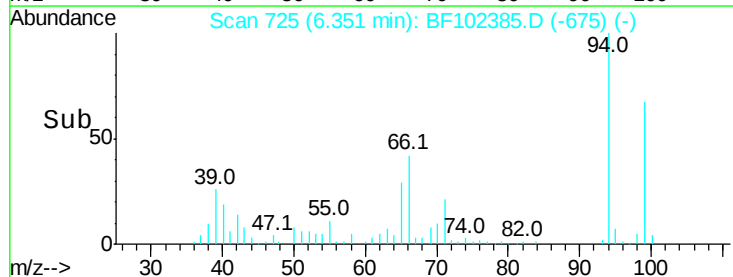
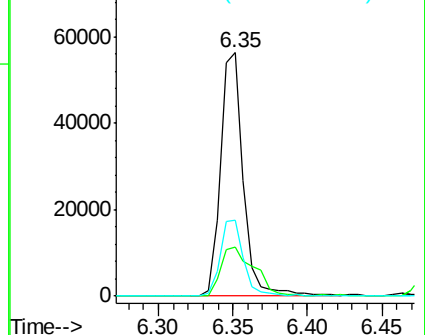
71 31.4 25.4 38.0

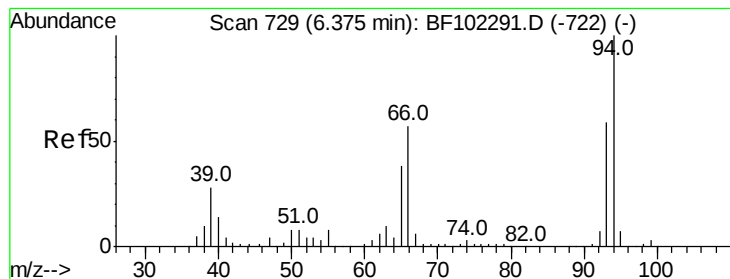


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 62.296 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102385.D

Acq: 24 Jan 2018 11:59

Instrument :

BNA_F

ClientSampleId :

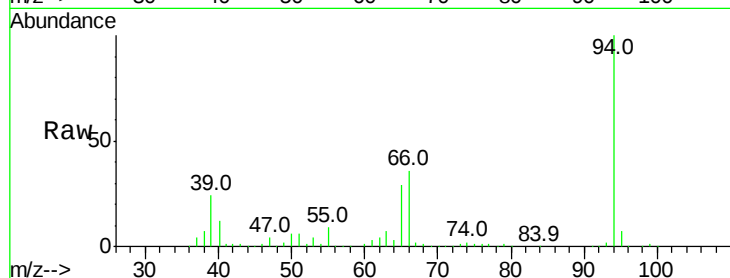
Tot Ion: 94 Resp: 622557

Ion Ratio Lower Upper

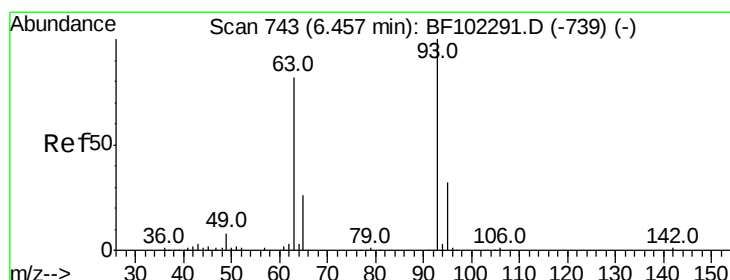
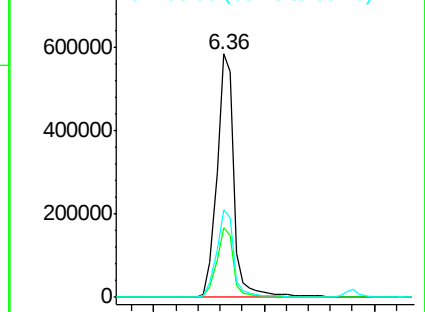
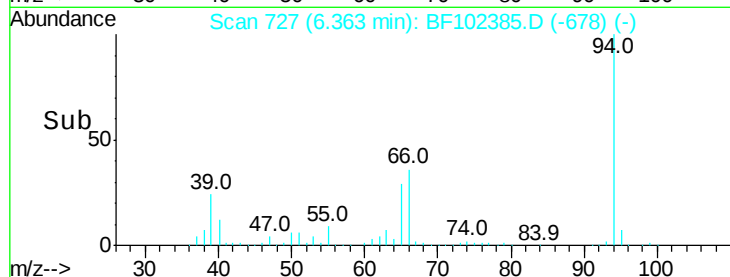
94 100

65 28.6 7.9 47.9

66 36.1 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



#11

bis(2-Chloroethyl)ether

Concen: 3.743 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.09 min

Lab File: BF102385.D

Acq: 24 Jan 2018 11:59

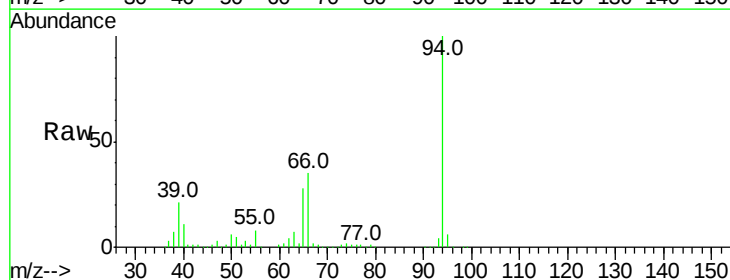
Tgt Ion: 93 Resp: 28448

Ion Ratio Lower Upper

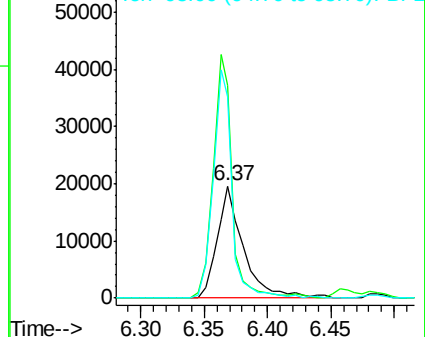
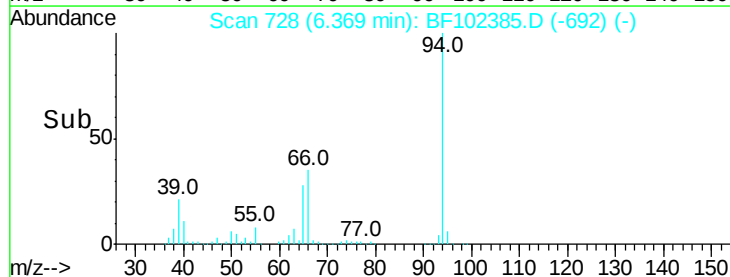
93 100

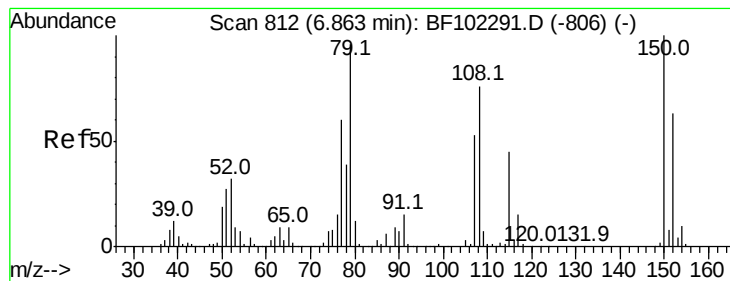
63 189.9 58.6 98.6#

95 179.0 11.8 51.8#



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





#15

Benzyl Alcohol

Concen: 7.863 ng

RT: 6.97 min Scan# 830

Delta R.T. 0.11 min

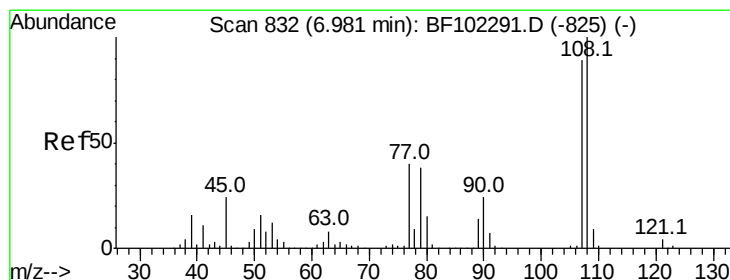
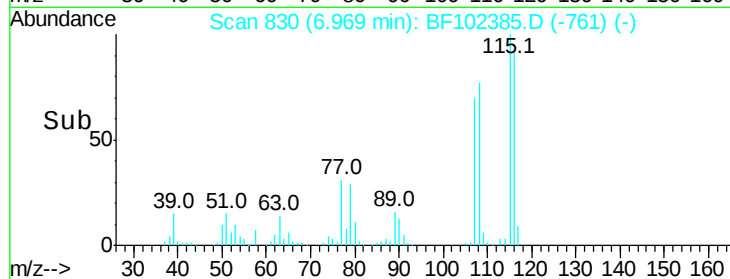
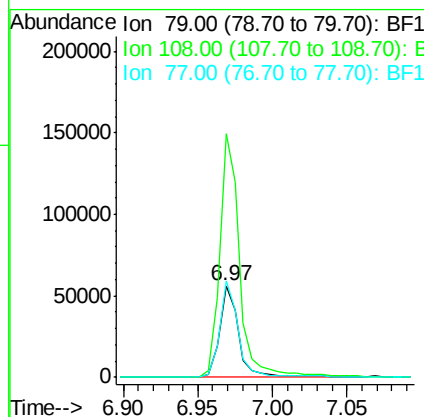
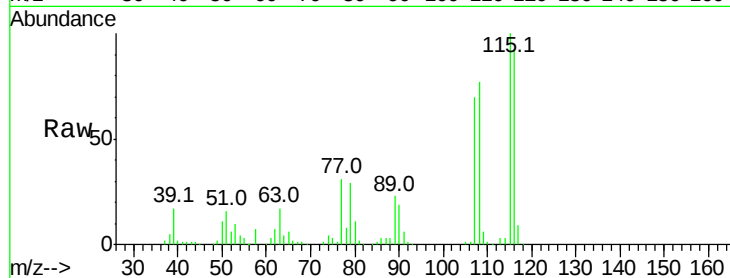
Lab File: BF102385.D

Acq: 24 Jan 2018 11:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 79 Resp: 50782

Ion	Ratio	Lower	Upper
79	100		
108	265.4	65.1	97.7#
77	105.7	50.6	75.8#



#17

2-Methylphenol

Concen: 17.804 ng

RT: 6.97 min Scan# 830

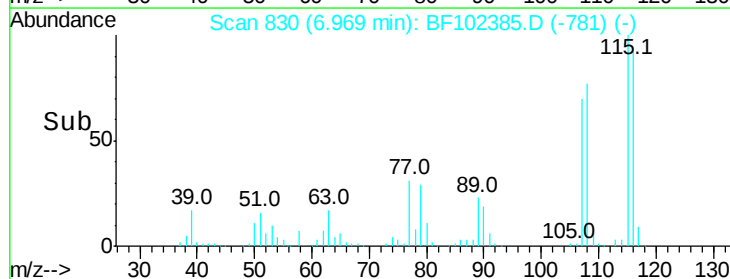
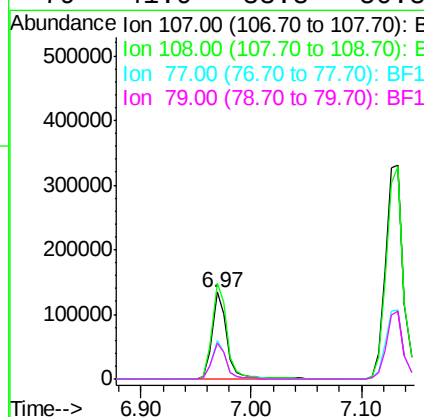
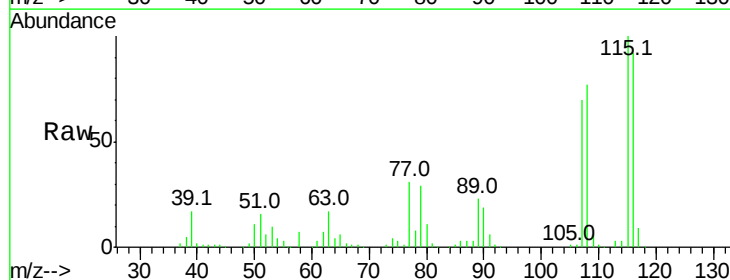
Delta R.T. -0.01 min

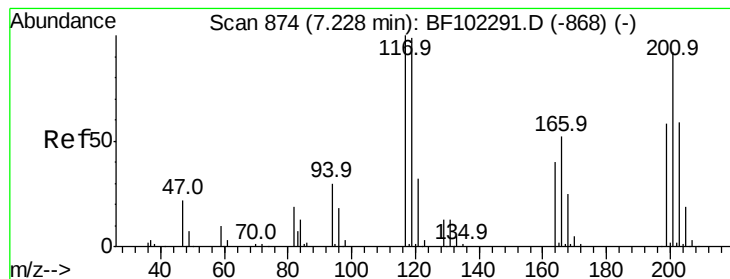
Lab File: BF102385.D

Acq: 24 Jan 2018 11:59

Tgt Ion: 107 Resp: 123069

Ion	Ratio	Lower	Upper
107	100		
108	111.1	91.7	137.5
77	44.3	33.8	50.8
79	41.9	33.8	50.8





#18

Hexachloroethane

Concen: 2.518 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.09 min

Lab File: BF102385.D

Acq: 24 Jan 2018 11:59

Instrument :

BNA_F

ClientSampled :

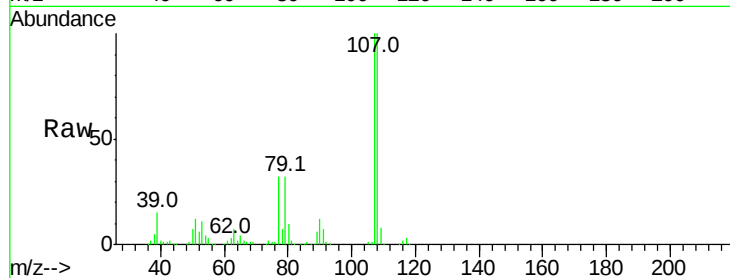
Tot Ion:117 Resp: 8321

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

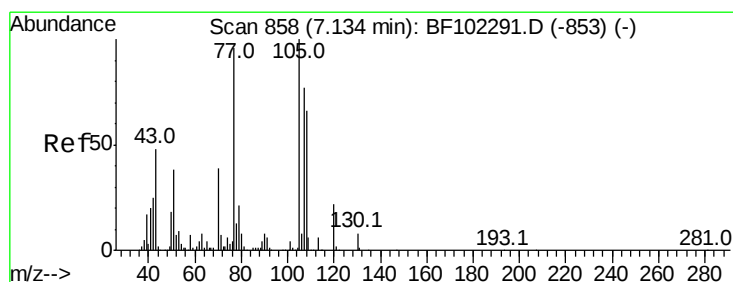
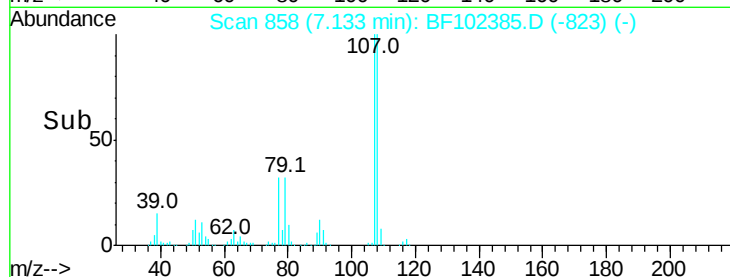
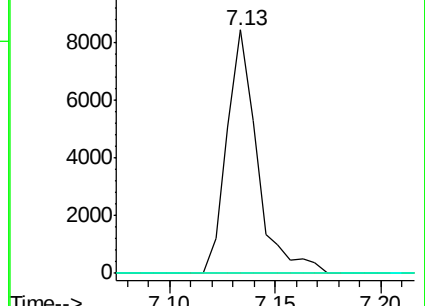
201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#20

3+4-Methylphenols

Concen: 47.371 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.00 min

Lab File: BF102385.D

Acq: 24 Jan 2018 11:59

Tgt Ion:107 Resp: 385119

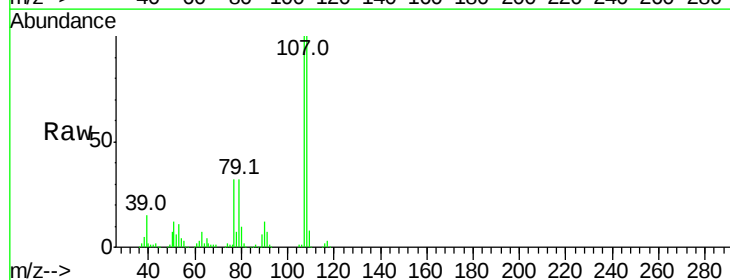
Ion Ratio Lower Upper

107 100

108 99.6 68.2 108.2

77 32.1 26.7 66.7

79 31.7 6.3 46.3

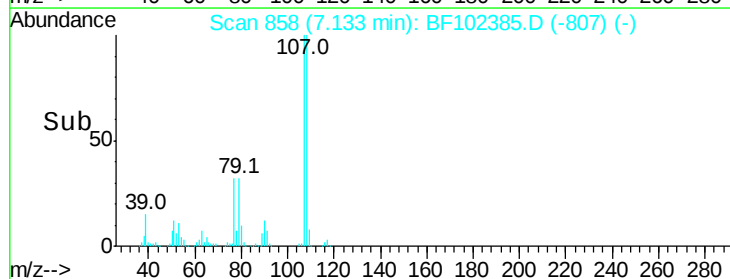
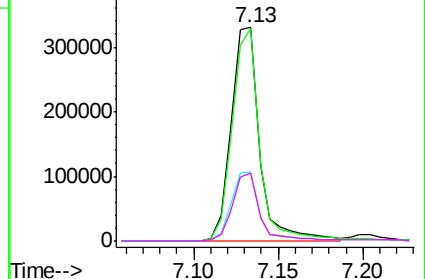


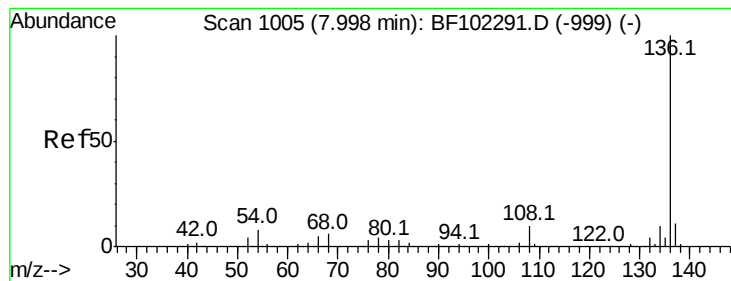
Abundance Ion 107.00 (106.70 to 107.70): E

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: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102385.D

Acq: 24 Jan 2018 11:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 463931

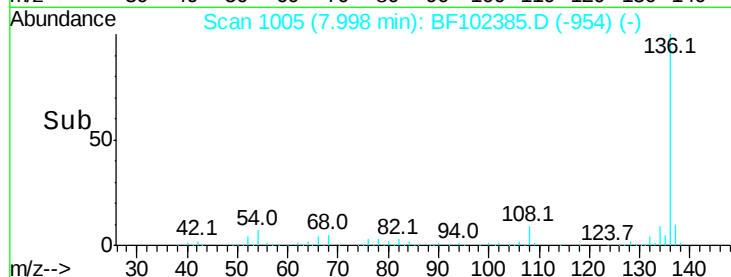
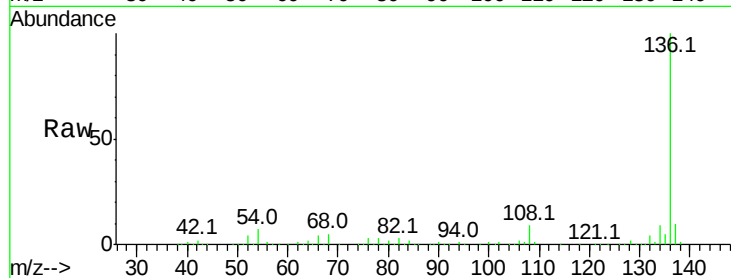
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 7.2 6.6 9.8

68 5.1 5.0 7.4

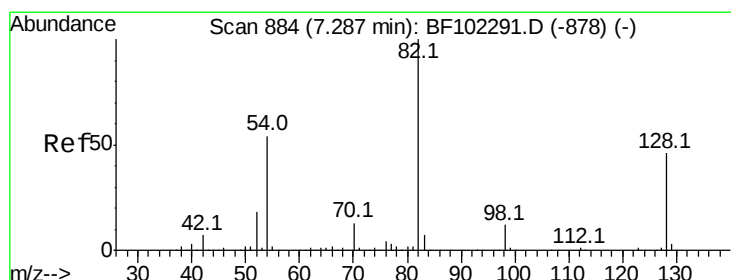
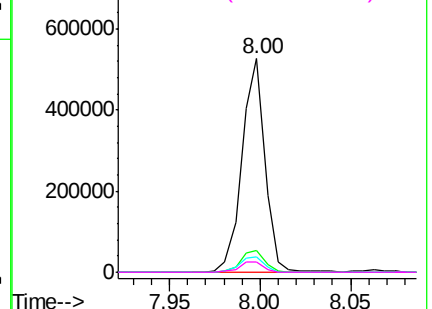


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.448 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF102385.D

Acq: 24 Jan 2018 11:59

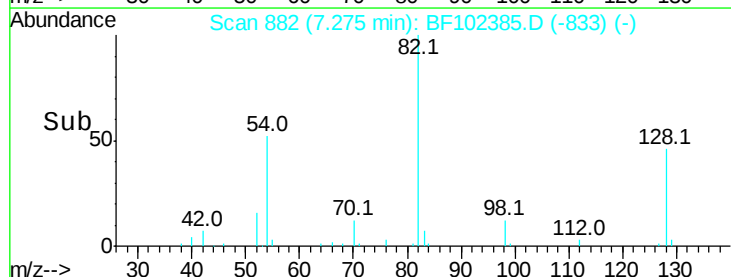
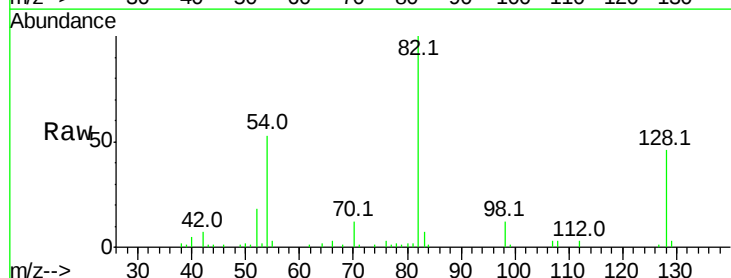
Tgt Ion: 82 Resp: 43978

Ion Ratio Lower Upper

82 100

128 46.0 36.1 54.1

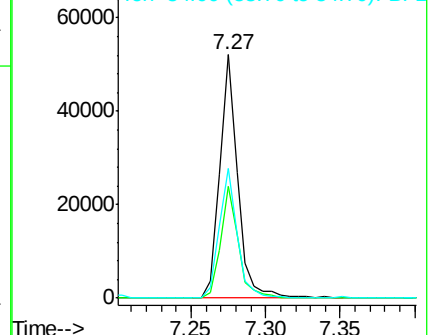
54 53.1 41.4 62.2

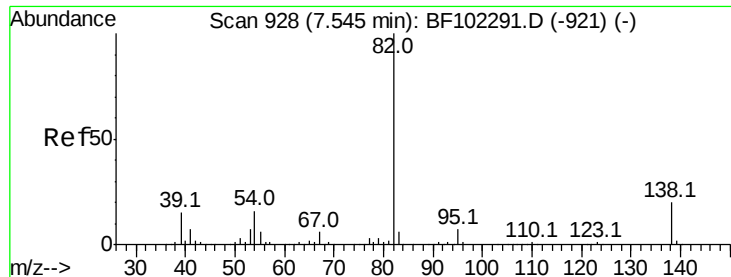


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 3.056 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.27 min

Lab File: BF102385.D

Acq: 24 Jan 2018 11:59

Instrument :

BNA_F

ClientSampleId :

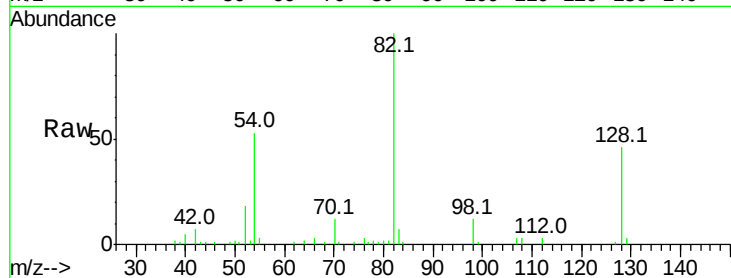
Tot Ion: 82 Resp: 43977

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

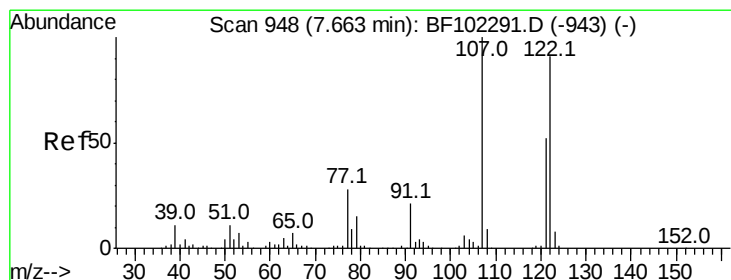
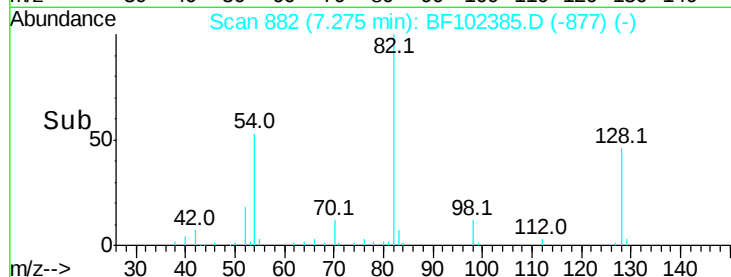
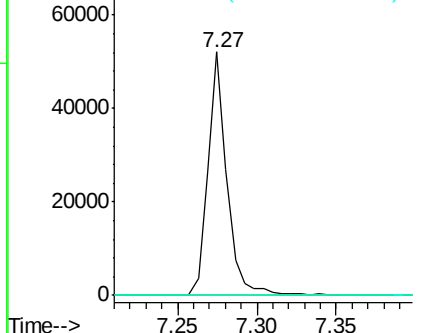
138 0.0 14.9 22.3#



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: 10.484 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF102385.D

Acq: 24 Jan 2018 11:59

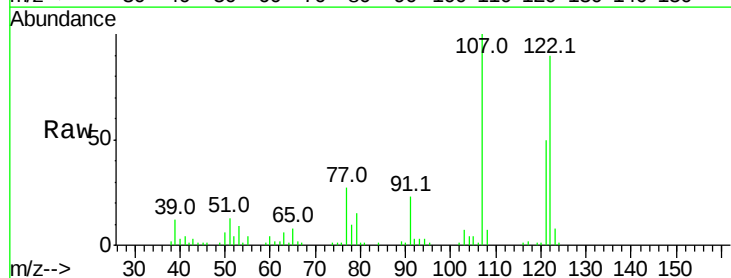
Tgt Ion: 122 Resp: 66196

Ion Ratio Lower Upper

122 100

107 110.6 91.2 136.8

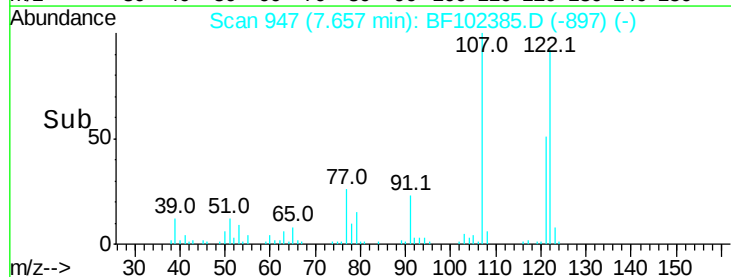
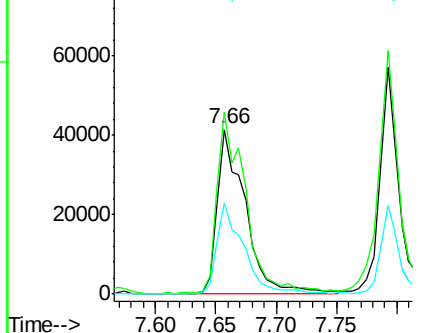
121 55.5 47.2 70.8

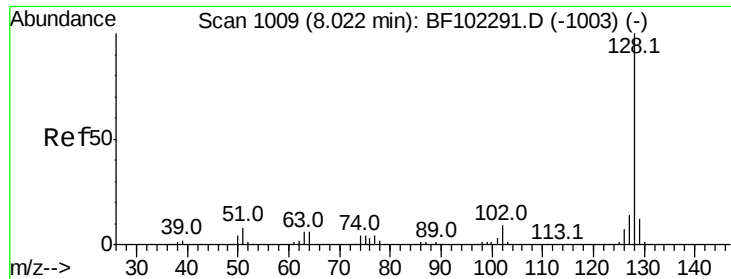


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

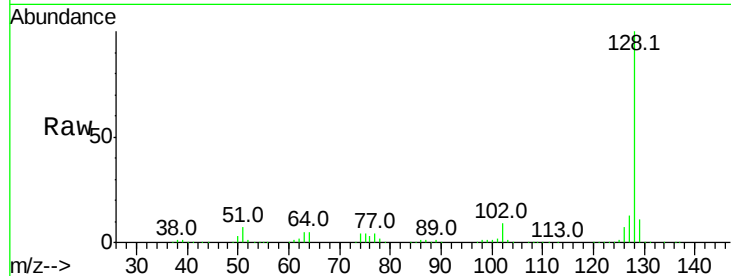




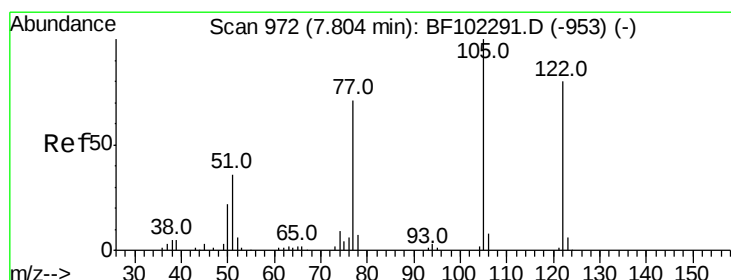
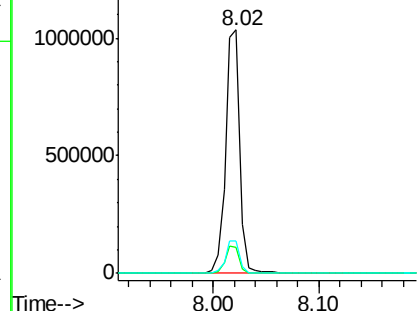
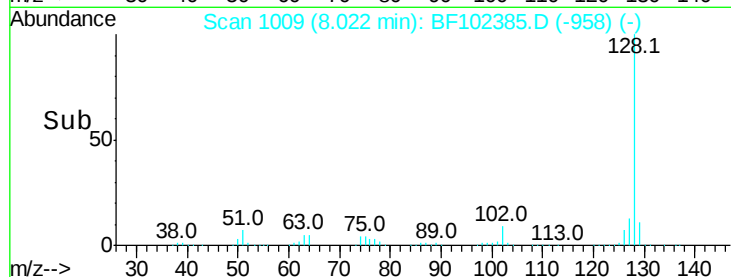
#31
Naphthalene
Concen: 42.233 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF102385.D
Acq: 24 Jan 2018 11:59

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.2	10.9	16.3

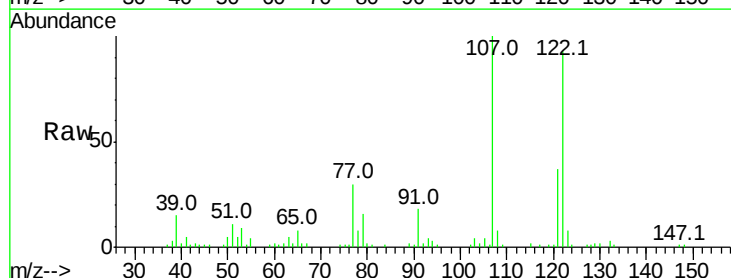


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

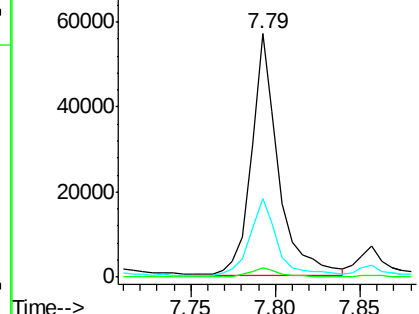
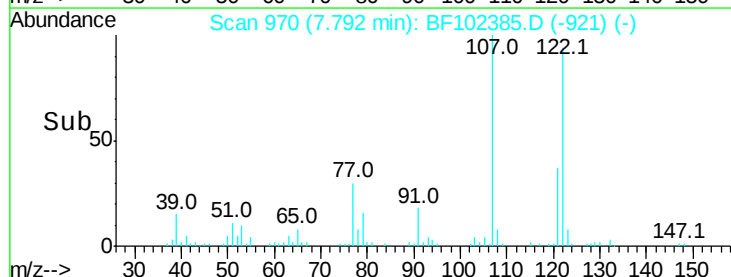


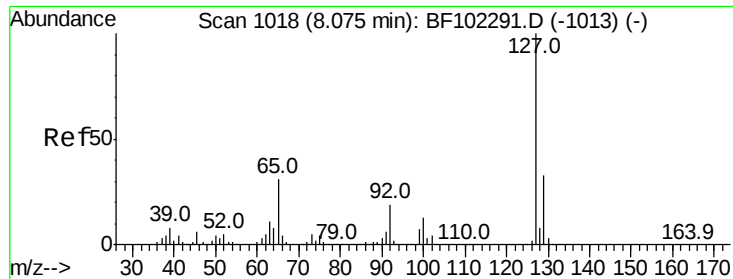
#32
Benzoic acid
Concen: 11.958 ng
RT: 7.79 min Scan# 970
Delta R.T. -0.01 min
Lab File: BF102385.D
Acq: 24 Jan 2018 11:59

Tgt Ion	Ratio	Lower	Upper
122	100		
105	3.8	101.1	141.1#
77	32.2	70.7	110.7#



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

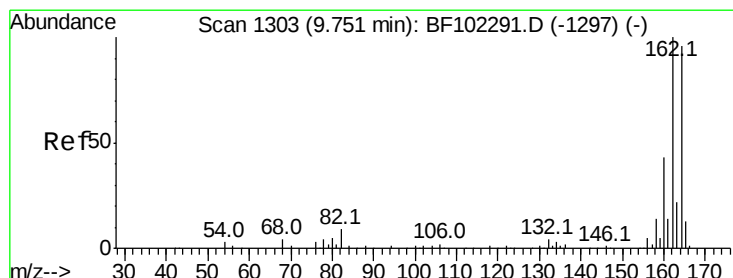
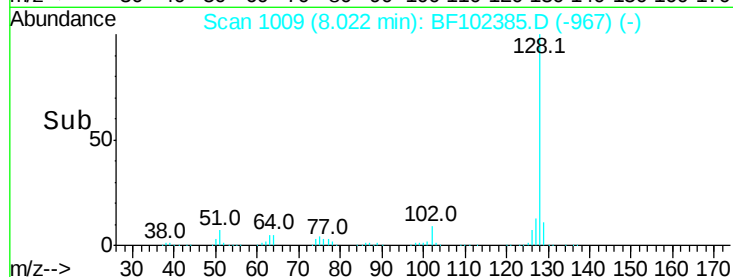
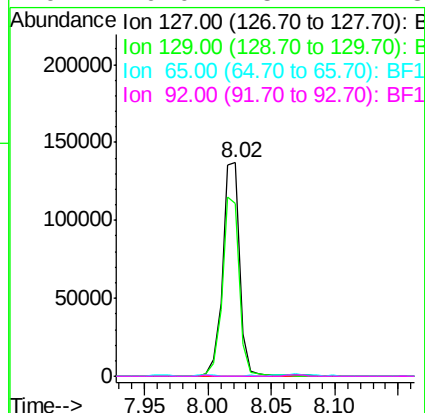
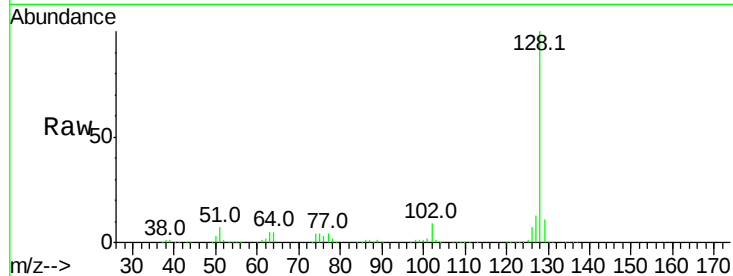




#33
4-Chloroaniline
Concen: 13.379 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.05 min
Lab File: BF102385.D
Acq: 24 Jan 2018 11:59

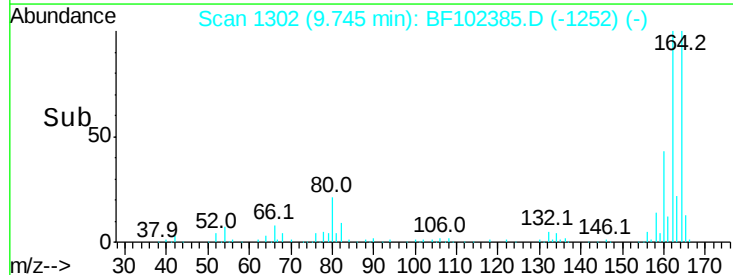
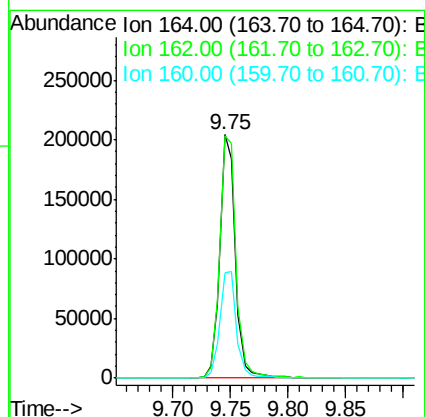
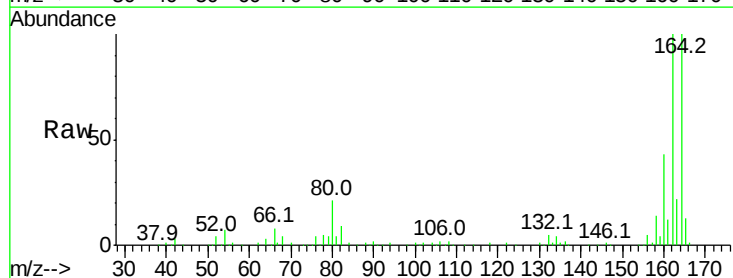
Instrument :
BNA_F
ClientSampleId :

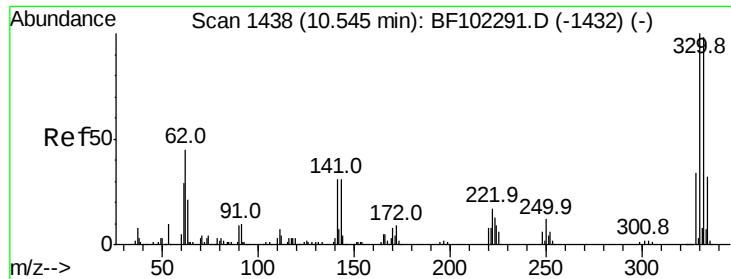
Tot Ion:127 Resp: 130320
Ion Ratio Lower Upper
127 100
129 80.7 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF102385.D
Acq: 24 Jan 2018 11:59

Tgt Ion:164 Resp: 191744
Ion Ratio Lower Upper
164 100
162 99.7 86.1 129.1
160 43.5 38.3 57.5

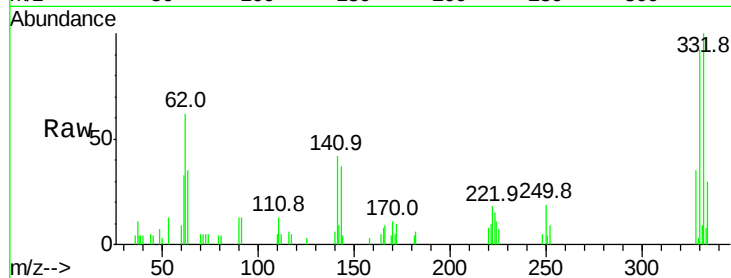




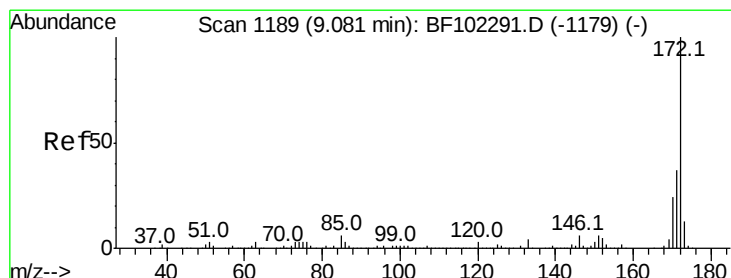
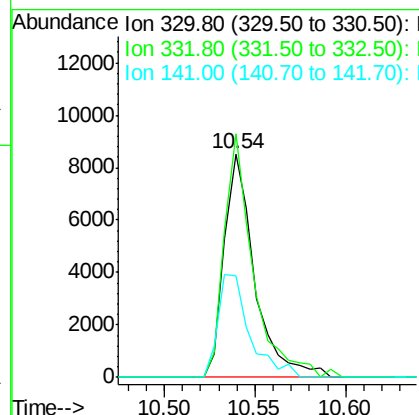
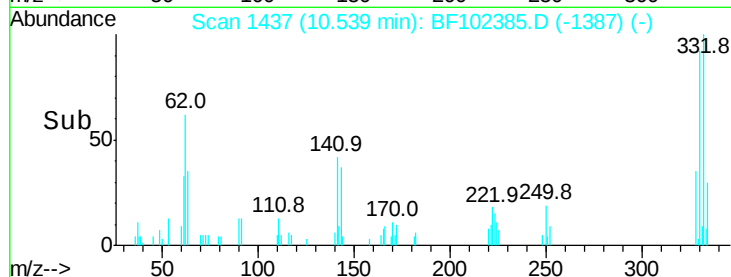
#41
 2,4,6-Tribromophenol
 Concen: 5.250 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102385.D
 Acq: 24 Jan 2018 11:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 9974
 Ion Ratio Lower Upper
 330 100
 332 103.9 77.0 115.6
 141 47.7 29.9 44.9#

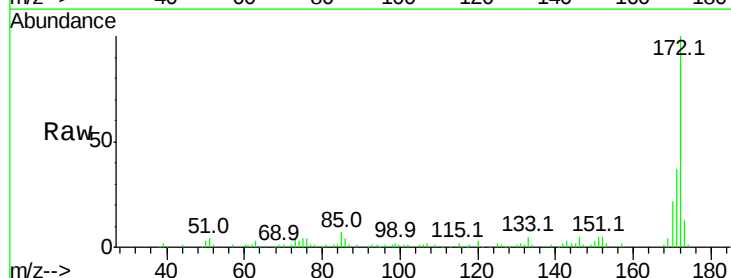


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

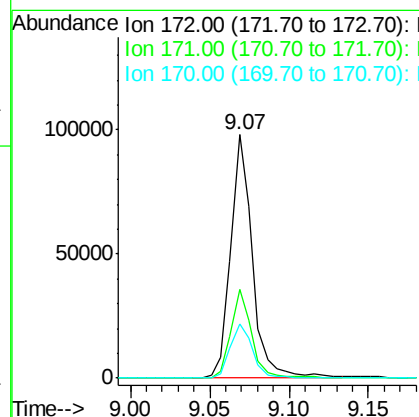
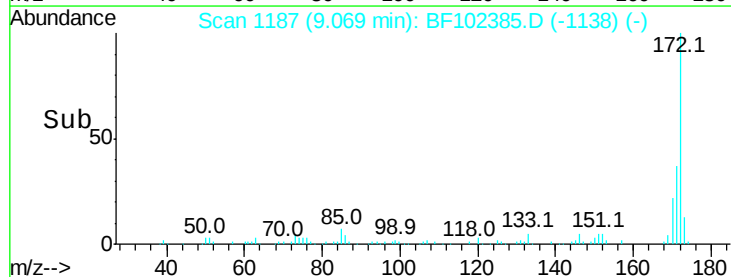


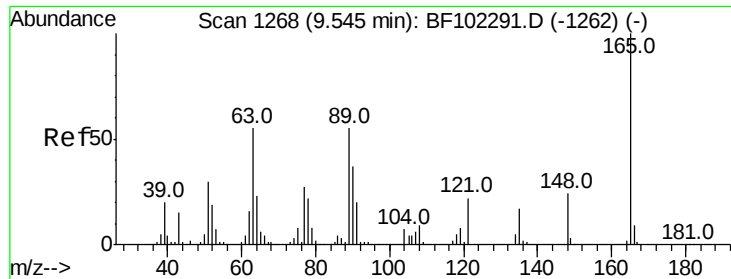
#44
 2-Fluorobiphenyl
 Concen: 7.150 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102385.D
 Acq: 24 Jan 2018 11:59

Tgt Ion:172 Resp: 93235
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 22.5 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

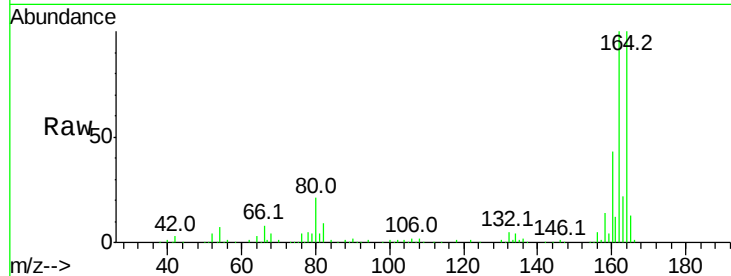




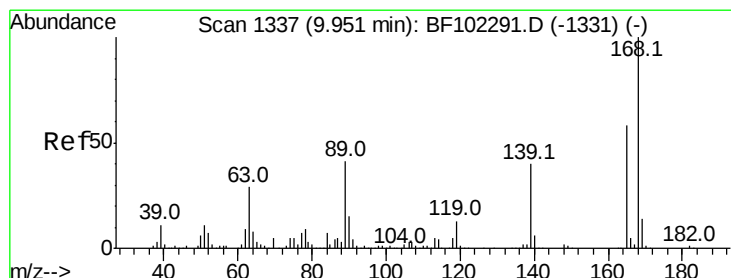
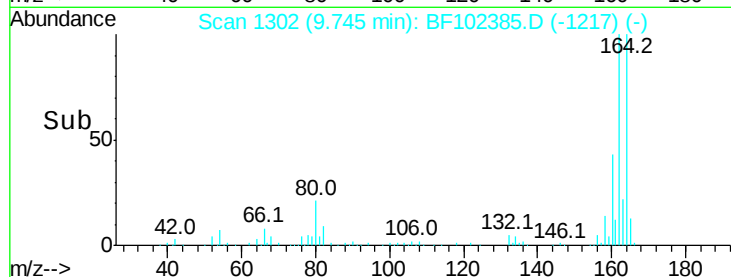
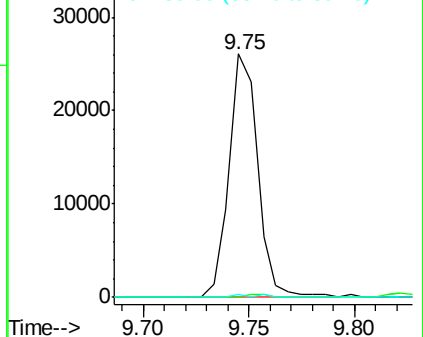
#50
 2,6-Dinitrotoluene
 Concen: 7.151 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.20 min
 Lab File: BF102385.D
 Acq: 24 Jan 2018 11:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.2	44.0	66.0#

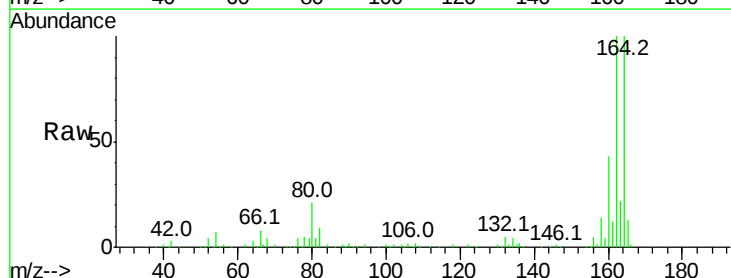


Abundance Ion 165.00 (164.70 to 165.70): E

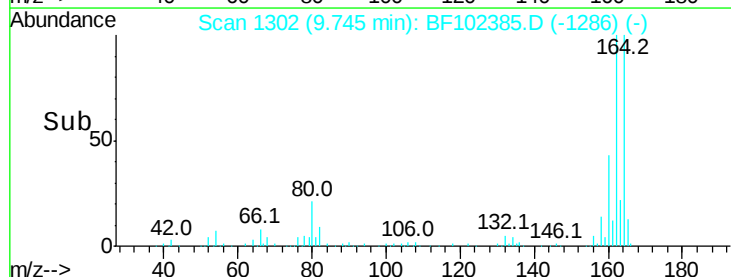
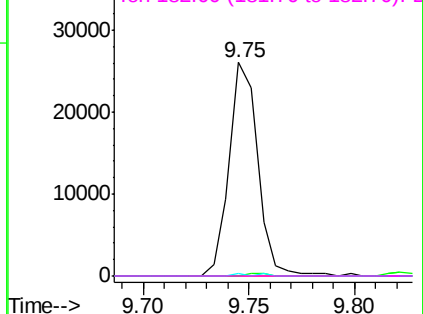


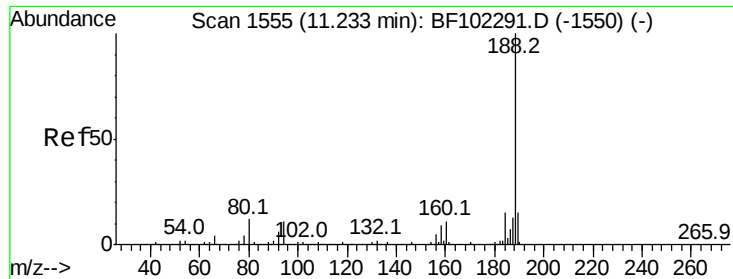
#56
 2,4-Dinitrotoluene
 Concen: 5.815 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102385.D
 Acq: 24 Jan 2018 11:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#



Abundance Ion 165.00 (164.70 to 165.70): E

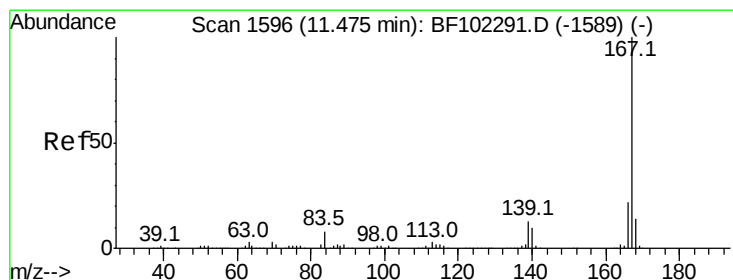
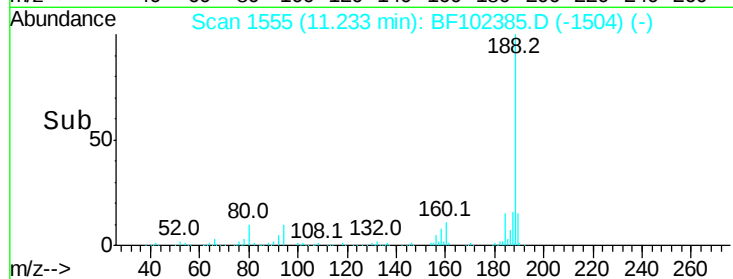
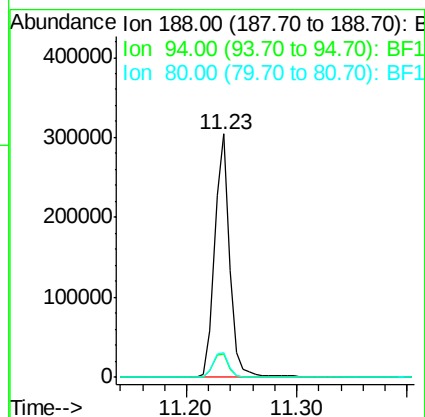
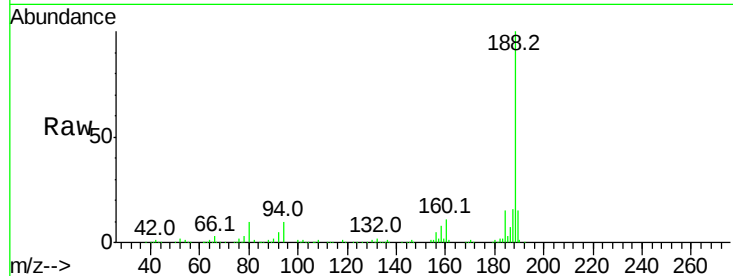




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102385.D
Acq: 24 Jan 2018 11:59

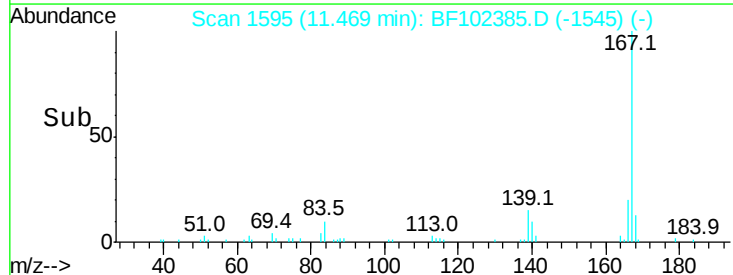
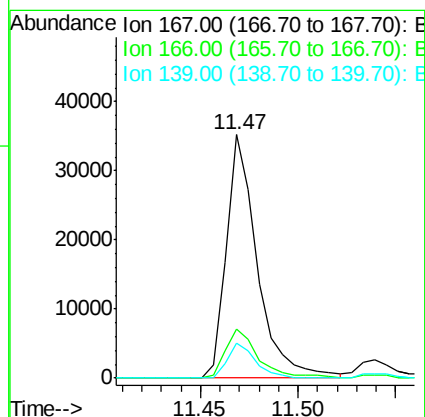
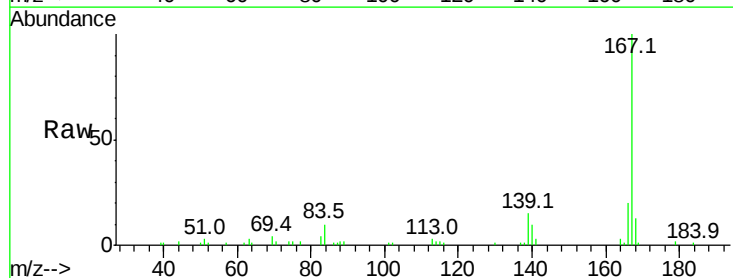
Instrument :
BNA_F
ClientSampleId :

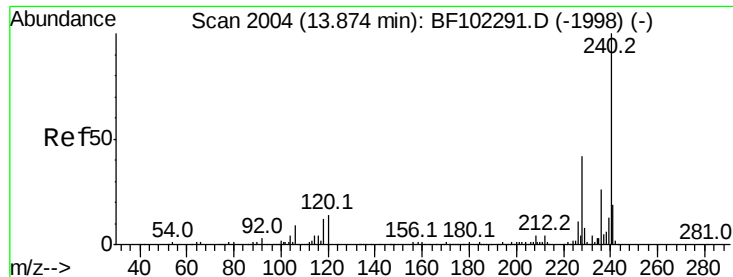
Tot Ion:188 Resp: 281915
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 10.4 9.2 13.8



#72
Carbazole
Concen: 2.363 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF102385.D
Acq: 24 Jan 2018 11:59

Tgt Ion:167 Resp: 38654
Ion Ratio Lower Upper
167 100
166 20.0 17.6 26.4
139 14.6 10.9 16.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102385.D

Acq: 24 Jan 2018 11:59

Instrument :

BNA_F

ClientSampleId :

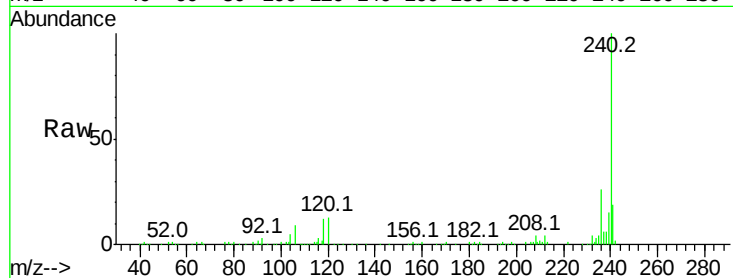
Tot Ion:240 Resp: 210895

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

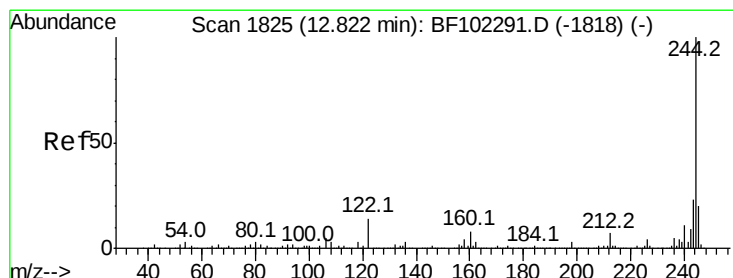
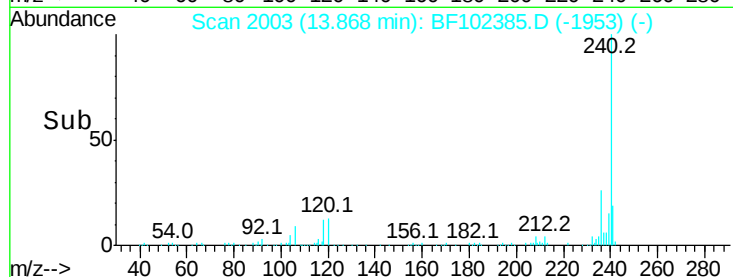
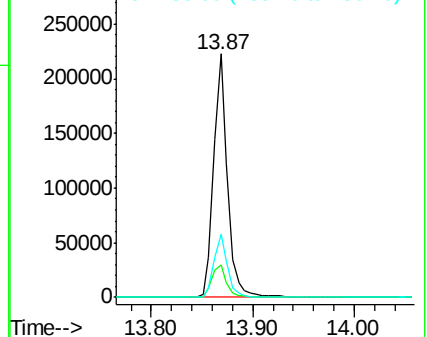
236 26.2 20.7 31.1



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: 6.428 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102385.D

Acq: 24 Jan 2018 11:59

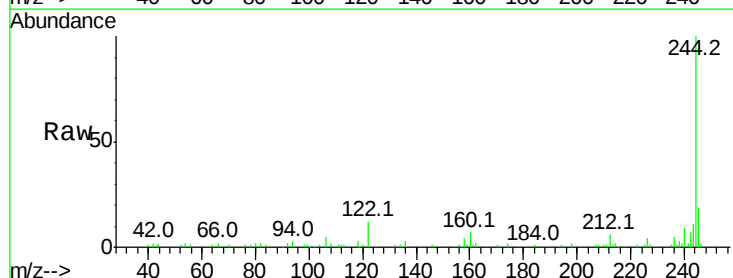
Tgt Ion:244 Resp: 60136

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

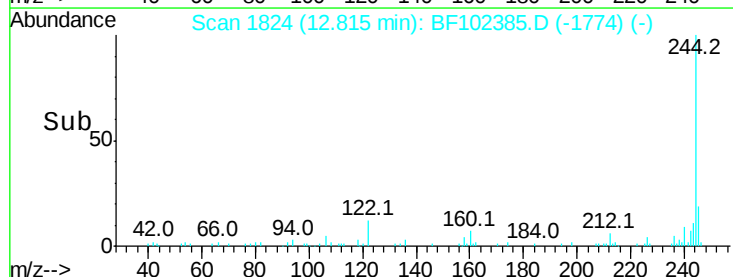
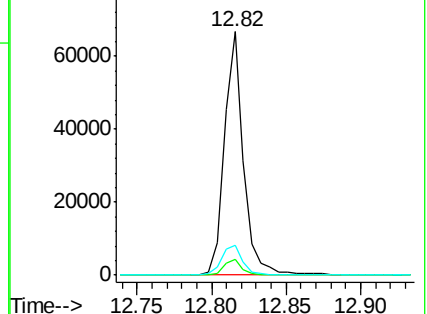
122 12.4 11.0 16.4

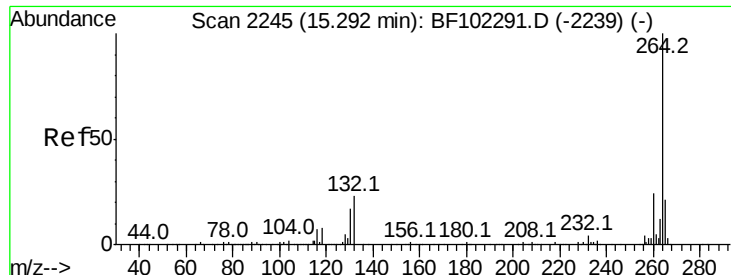


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.29 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: BF102385.D
 Acq: 24 Jan 2018 11:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.0	17.5	26.3

