

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012318\
 Data File : BF102380.D
 Acq On : 24 Jan 2018 9:44
 Operator : SJ/JU
 Sample : J1239-06DL 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

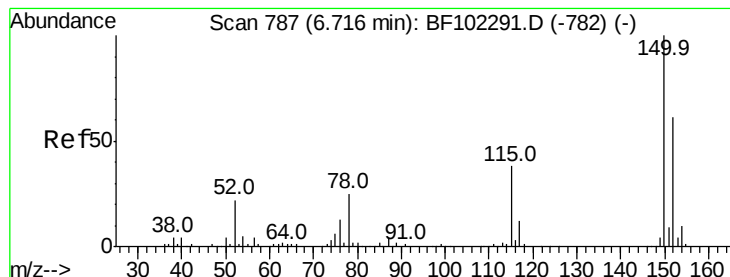
Quant Time: Jan 24 10:50:55 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	121601	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	508920	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	214762	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	312851	20.00	ng	0.00
75) Chrysene-d12	13.87	240	238582	20.00	ng	0.00
86) Perylene-d12	15.29	264	210110	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	110221	13.74	ng	0.00
7) Phenol-d6	6.35	99	118990	12.31	ng	0.00
23) Nitrobenzene-d5	7.27	82	87851	9.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	24931	11.72	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	185866	12.73	ng	-0.01
78) Terphenyl-d14	12.82	244	131307	12.41	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	487356	46.171	ng	99
15) Benzyl Alcohol	6.97	79	47242	6.925	ng	# 1
17) 2-Methylphenol	6.97	107	116801	15.997	ng	99
20) 3+4-Methylphenols	7.13	107	349855	40.742	ng	84
25) Isophorone	7.27	82	87734	5.557	ng	# 64
27) 2,4-Dimethylphenol	7.66	122	67514	9.748	ng	92
31) Naphthalene	8.02	128	1251682	49.260	ng	100
32) Benzoic acid	7.80	122	73486	12.664	ng	# 12
33) 4-Chloroaniline	8.02	127	168513	15.771	ng	# 36
37) 2-Methylnaphthalene	8.71	142	36517	2.158	ng	96
48) Acenaphthylene	9.61	152	85651	3.683	ng	98
50) 2,6-Dinitrotoluene	9.75	165	26953	7.042	ng	# 25
55) 4-Nitrophenol	9.95	139	8781	2.938	ng	# 9
56) 2,4-Dinitrotoluene	9.75	165	26953	5.727	ng	# 23
72) Carbazole	11.47	167	97831	5.389	ng	98

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

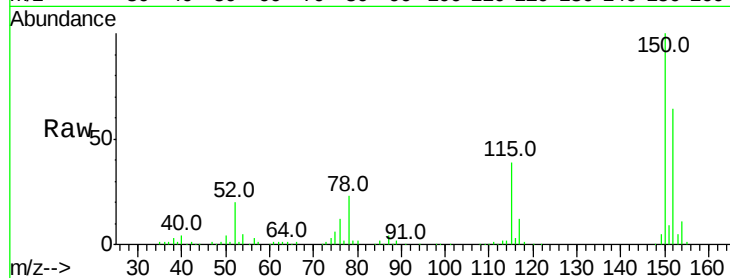


#1

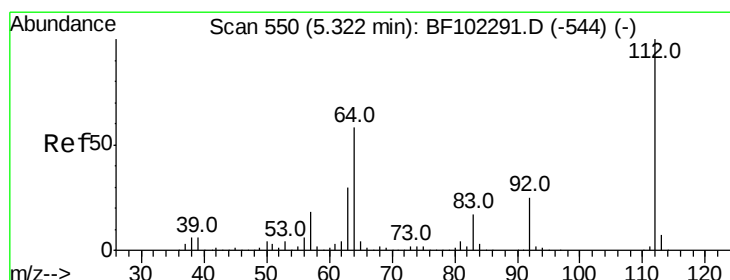
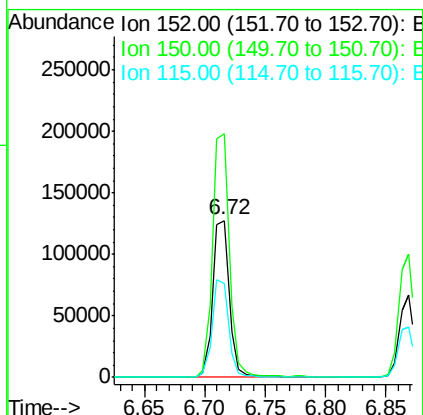
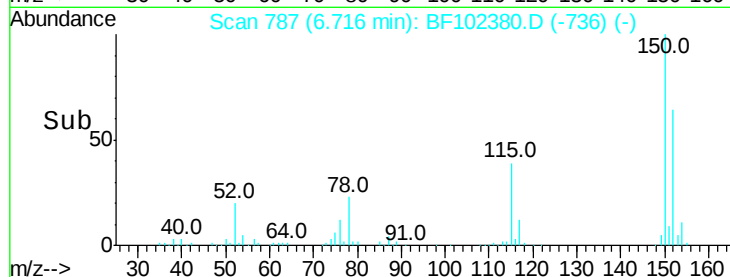
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 121601
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 60.0 50.1 75.1



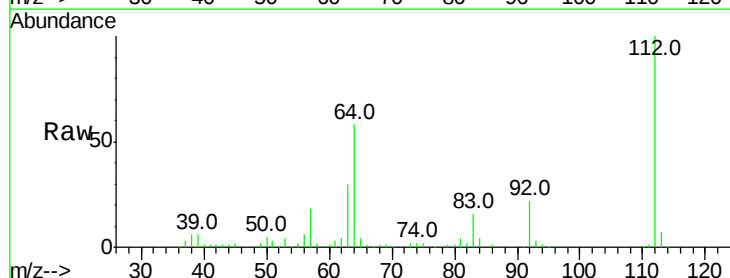
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



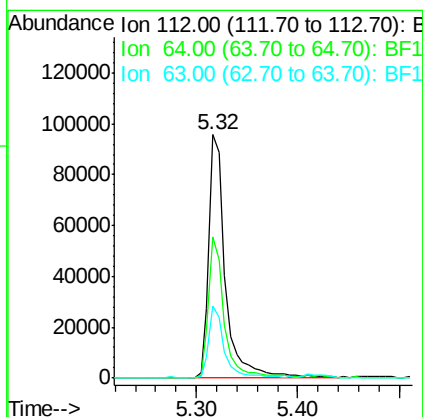
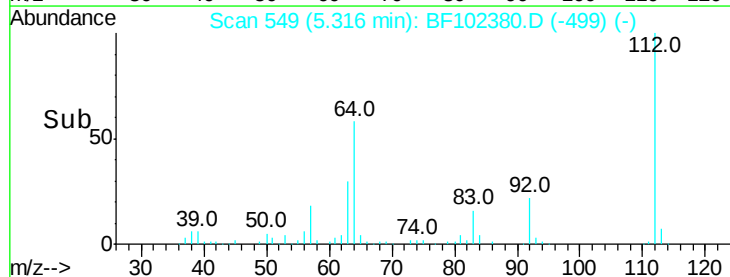
#5

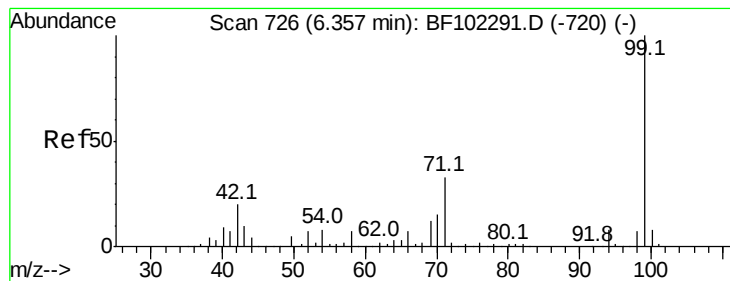
2-Fluorophenol
Concen: 13.744 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:112 Resp: 110221
Ion Ratio Lower Upper
112 100
64 57.8 47.9 71.9
63 29.6 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





#7

Phenol-d6

Concen: 12.307 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102380.D

Acq: 24 Jan 2018 9:44

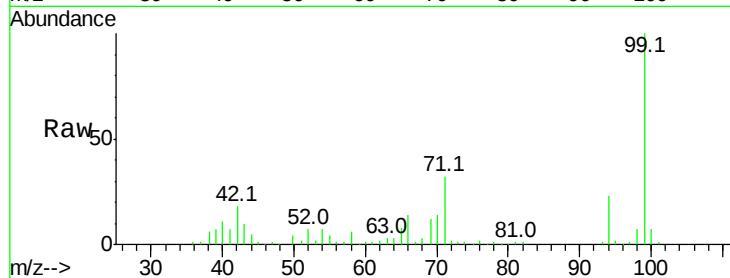
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 118990

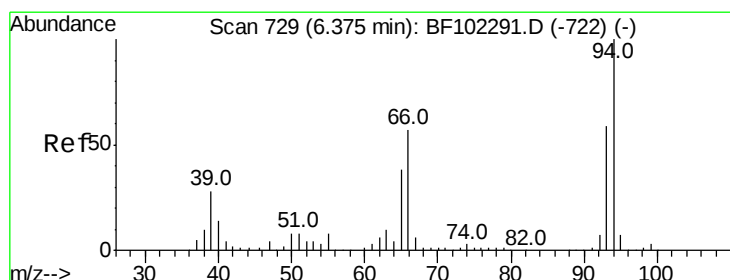
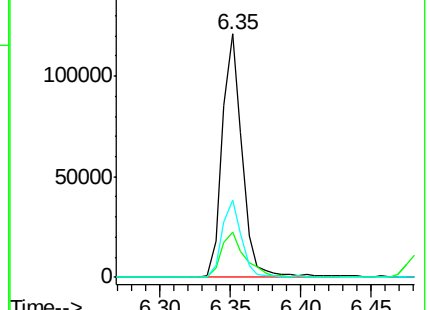
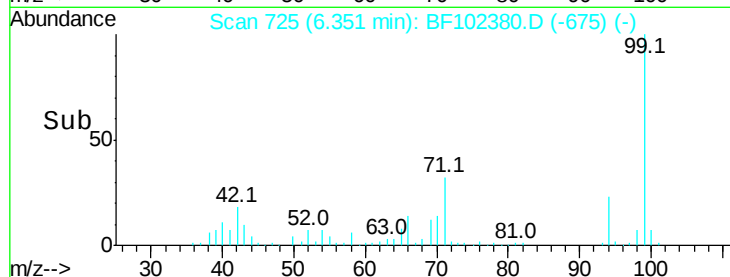
Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.5	21.7
71	31.6	25.4	38.0



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: 46.171 ng

RT: 6.37 min Scan# 728

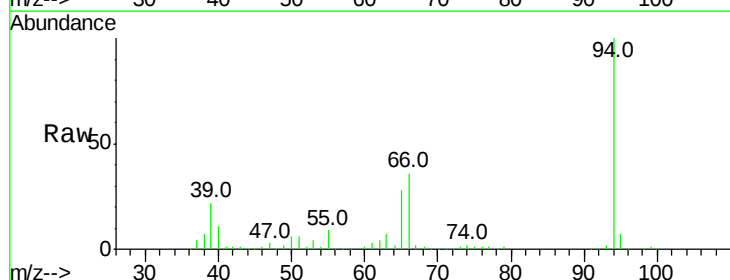
Delta R.T. -0.01 min

Lab File: BF102380.D

Acq: 24 Jan 2018 9:44

Tgt Ion: 94 Resp: 487356

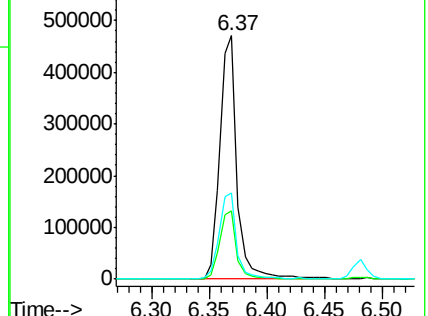
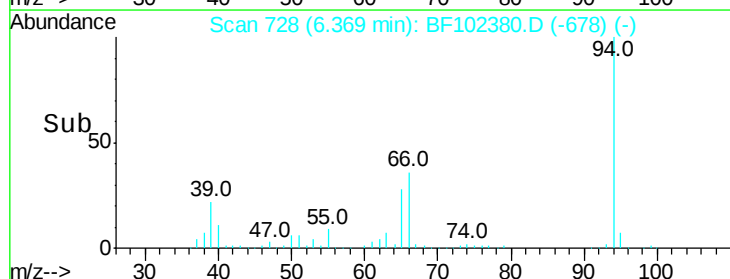
Ion	Ratio	Lower	Upper
94	100		
65	27.9	7.9	47.9
66	35.6	16.2	56.2

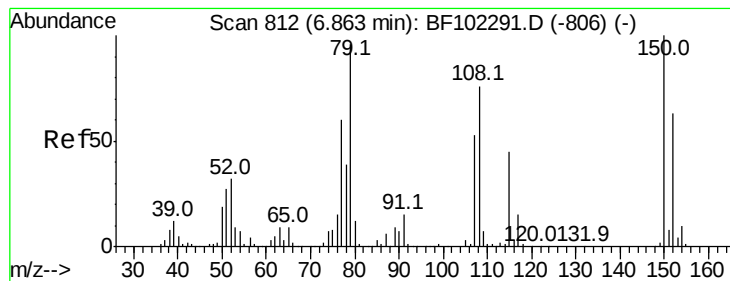


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 6.925 ng

RT: 6.97 min Scan# 830

Delta R.T. 0.11 min

Lab File: BF102380.D

Acq: 24 Jan 2018 9:44

Instrument :
BNA_F
ClientSampleId :

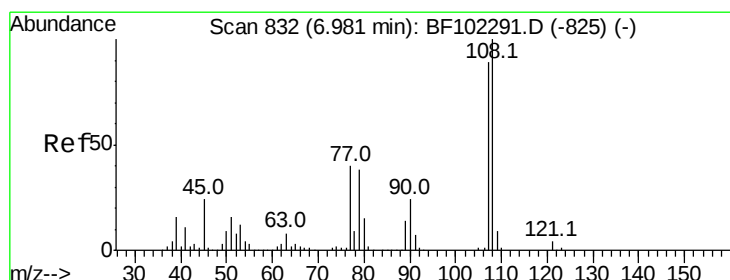
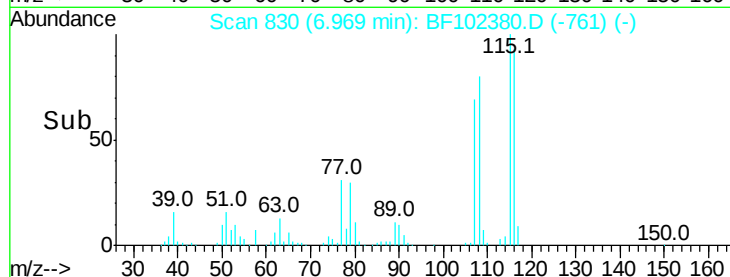
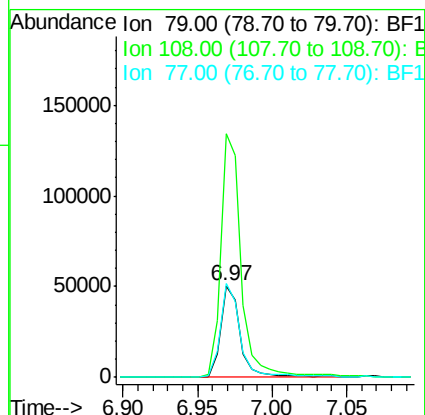
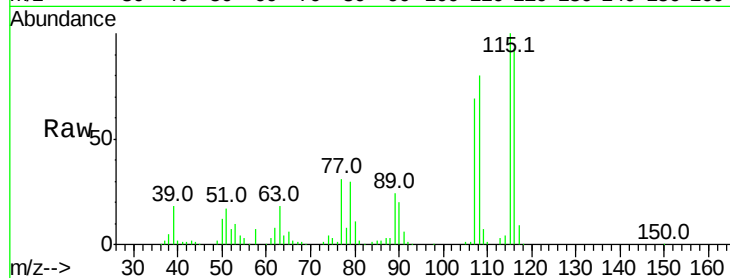
Tot Ion: 79 Resp: 47242

Ion Ratio Lower Upper

79 100

108 265.4 65.1 97.7#

77 103.0 50.6 75.8#



#17

2-Methylphenol

Concen: 15.997 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF102380.D

Acq: 24 Jan 2018 9:44

Tgt Ion: 107 Resp: 116801

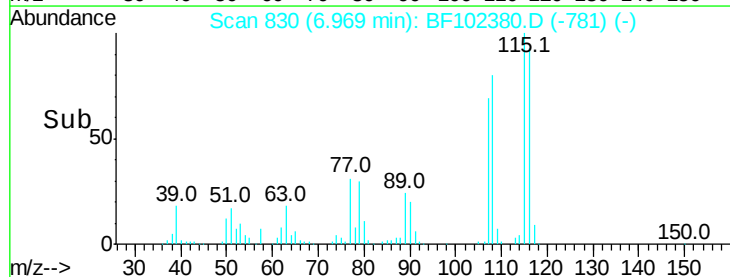
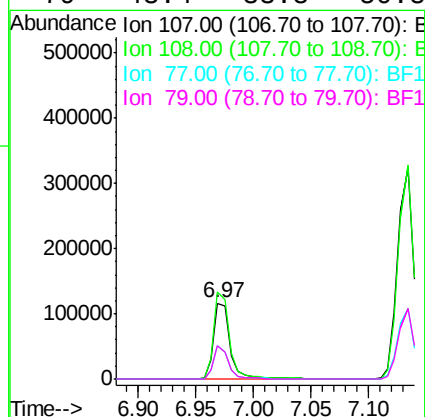
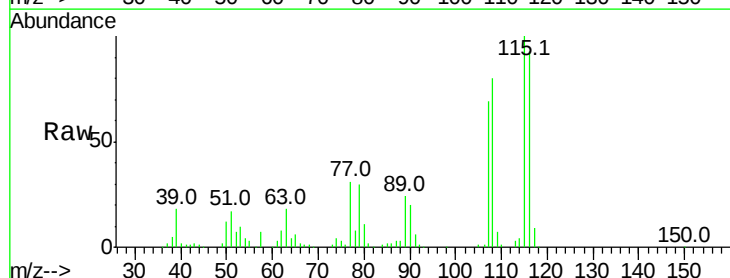
Ion Ratio Lower Upper

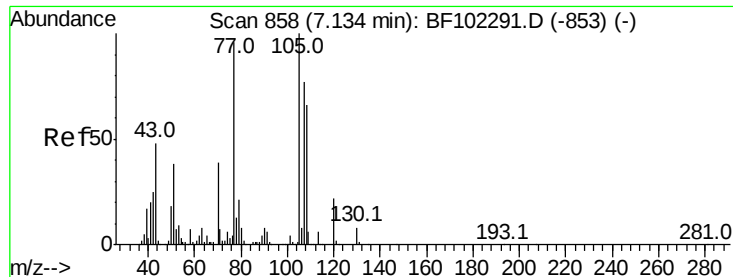
107 100

108 115.1 91.7 137.5

77 44.6 33.8 50.8

79 43.4 33.8 50.8





#20

3+4-Methylphenols

Concen: 40.742 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.00 min

Lab File: BF102380.D

Acq: 24 Jan 2018 9:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 349855

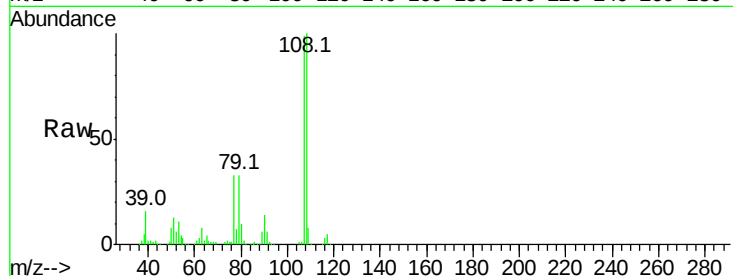
Ion Ratio Lower Upper

107 100

108 101.3 68.2 108.2

77 33.3 26.7 66.7

79 33.3 6.3 46.3

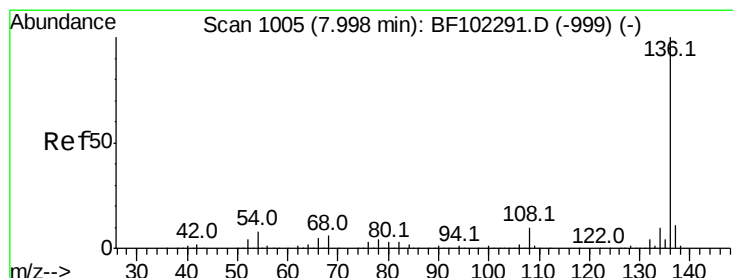
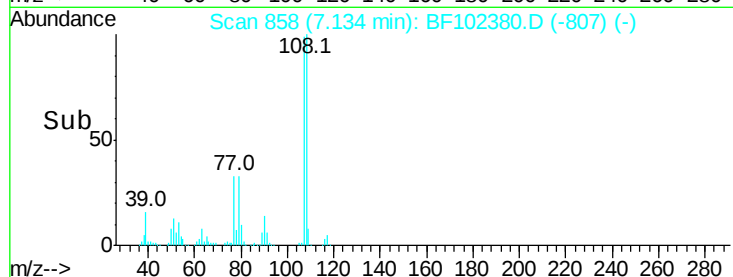
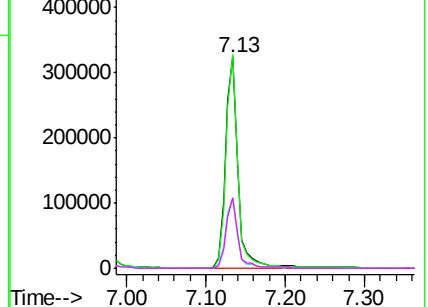


Abundance Ion 107.00 (106.70 to 107.70): E

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: BF102380.D

Acq: 24 Jan 2018 9:44

Tgt Ion:136 Resp: 508920

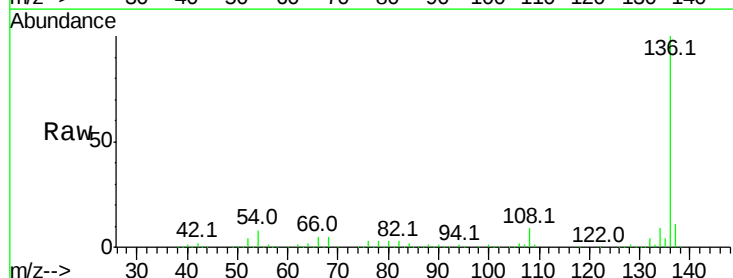
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.6 6.6 9.8

68 5.0 5.0 7.4

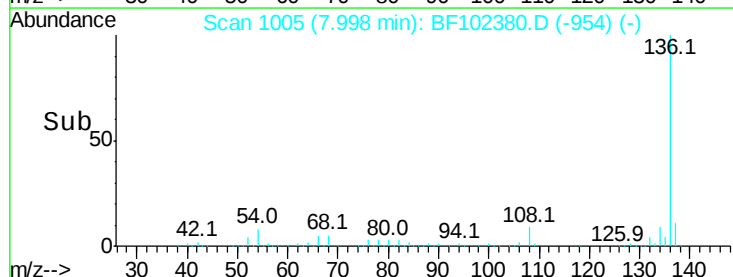
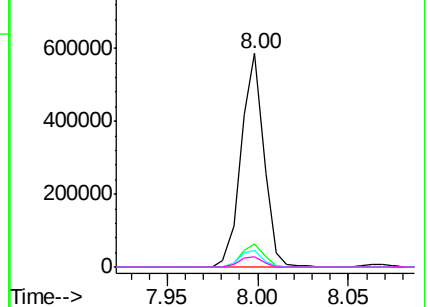


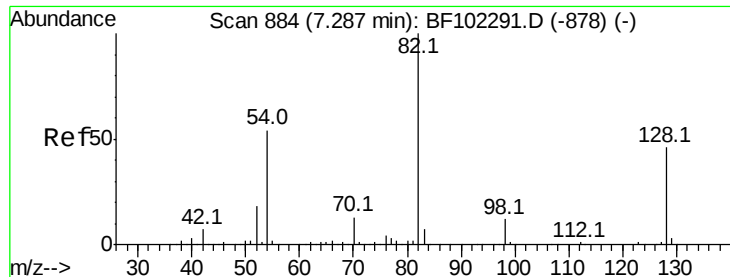
Abundance Ion 136.00 (135.70 to 136.70): E

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

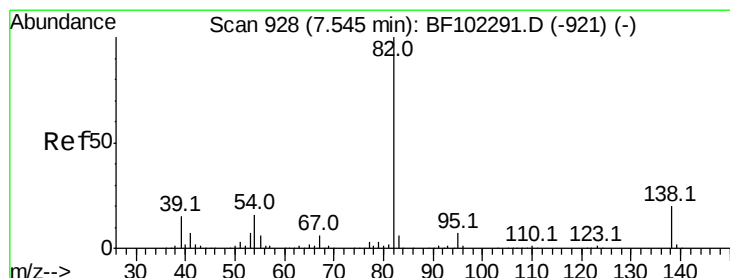
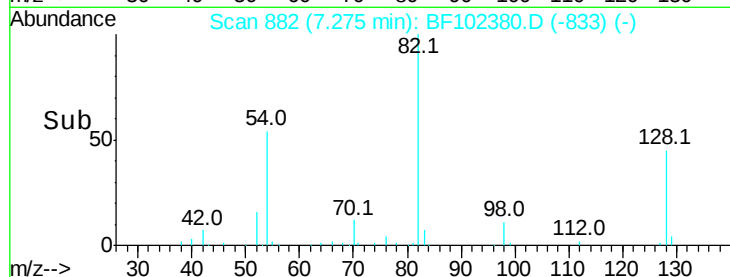
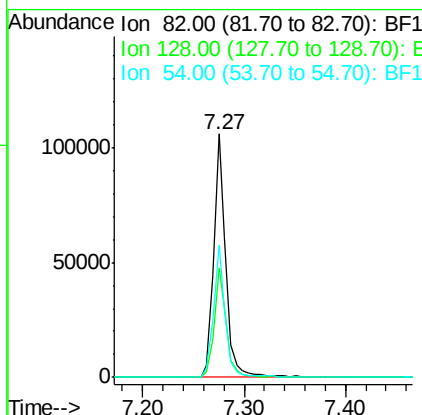
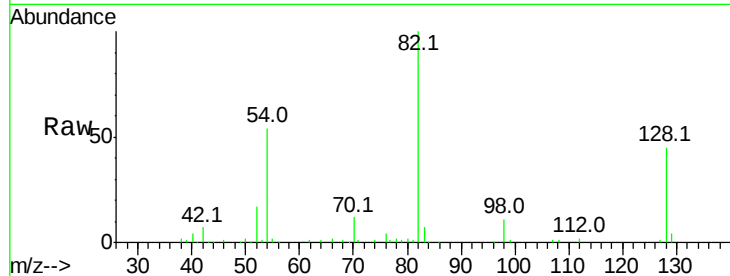




#23
 Nitrobenzene-d5
 Concen: 9.920 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF102380.D
 Acq: 24 Jan 2018 9:44

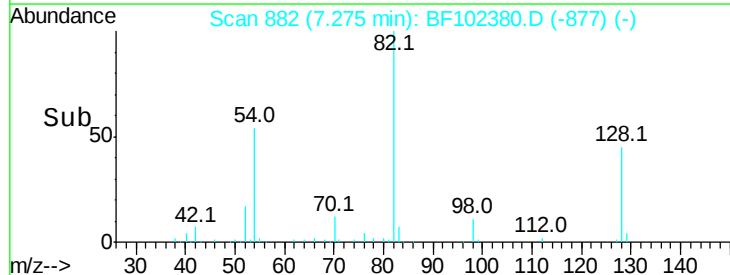
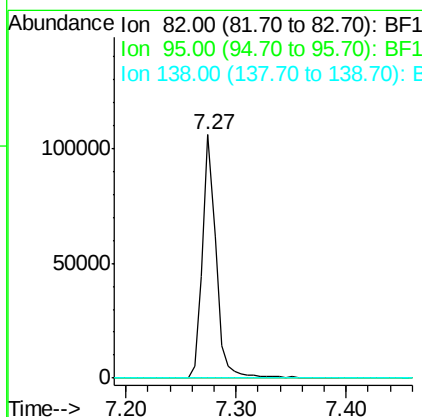
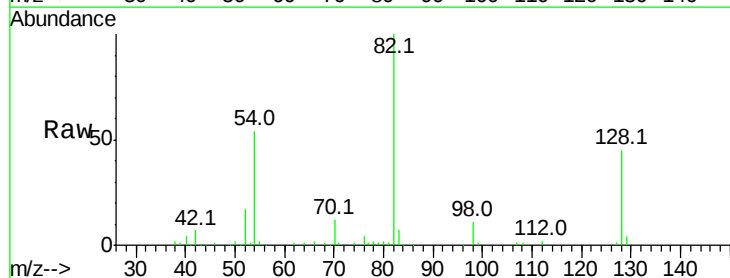
Instrument :
 BNA_F
 ClientSampleId :

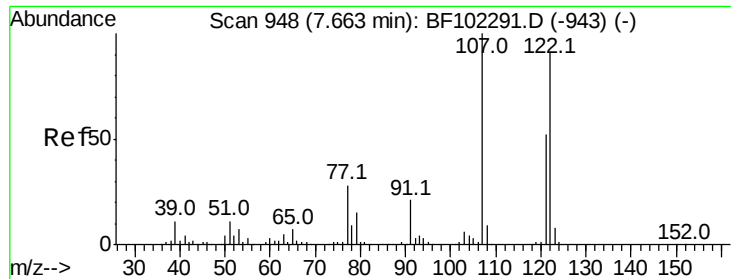
Tot Ion	82	Resp	87851
Ion Ratio	Lower	Upper	
82	100		
128	44.6	36.1	54.1
54	54.3	41.4	62.2



#25
 Isophorone
 Concen: 5.557 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.27 min
 Lab File: BF102380.D
 Acq: 24 Jan 2018 9:44

Tgt Ion	82	Resp	87734
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#27

2,4-Dimethylphenol

Concen: 9.748 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF102380.D

Acq: 24 Jan 2018 9:44

Instrument :

BNA_F

ClientSampleId :

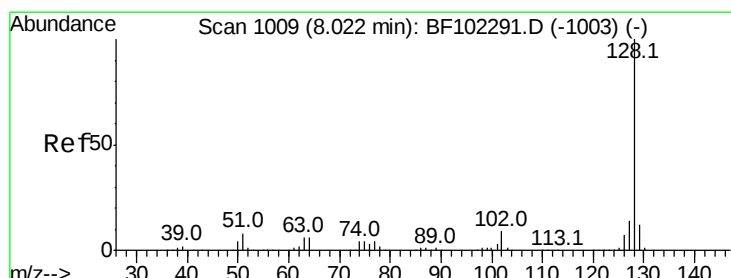
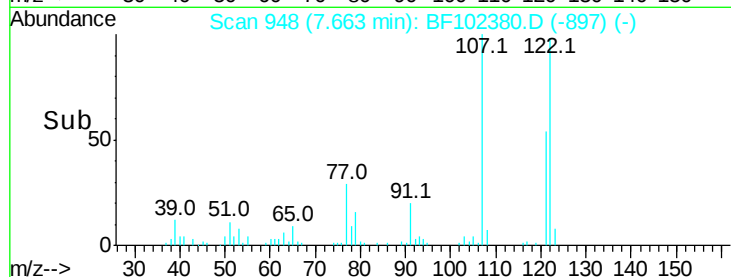
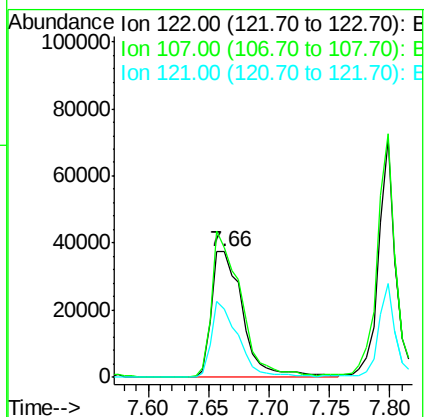
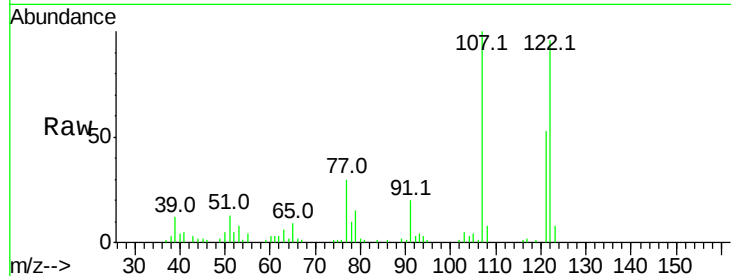
Tot Ion:122 Resp: 67514

Ion Ratio Lower Upper

122 100

107 103.7 91.2 136.8

121 54.7 47.2 70.8



#31

Naphthalene

Concen: 49.260 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF102380.D

Acq: 24 Jan 2018 9:44

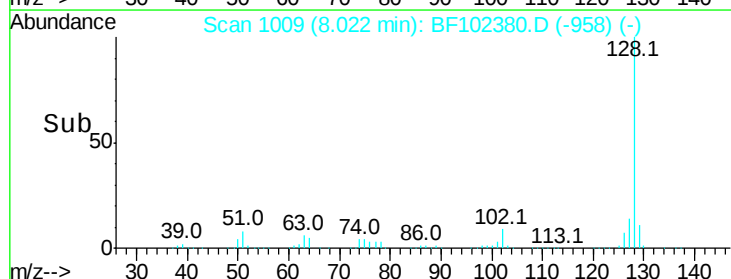
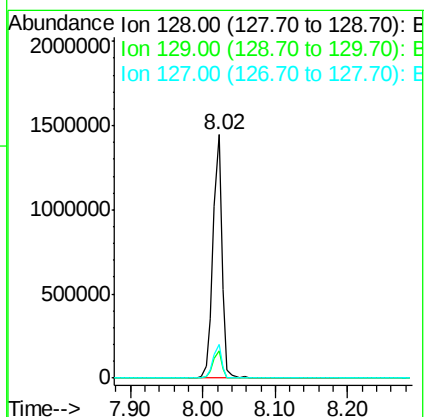
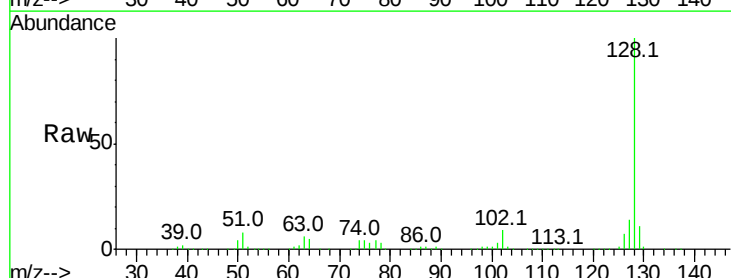
Tgt Ion:128 Resp: 1251682

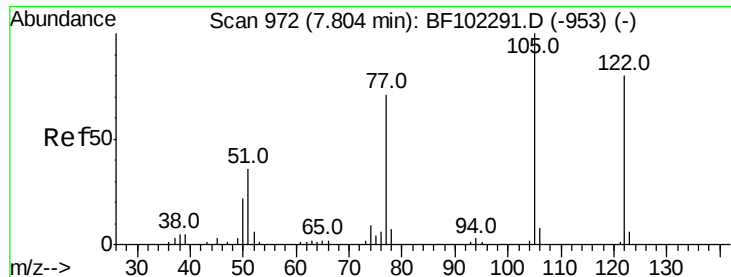
Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.8 10.9 16.3

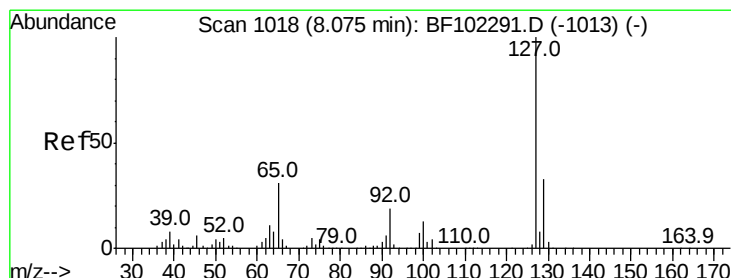
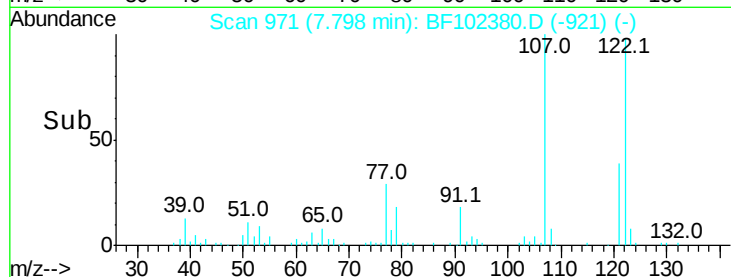
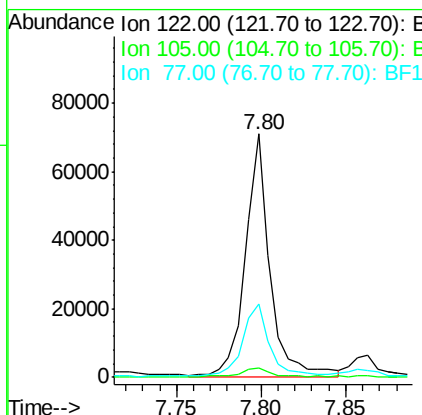
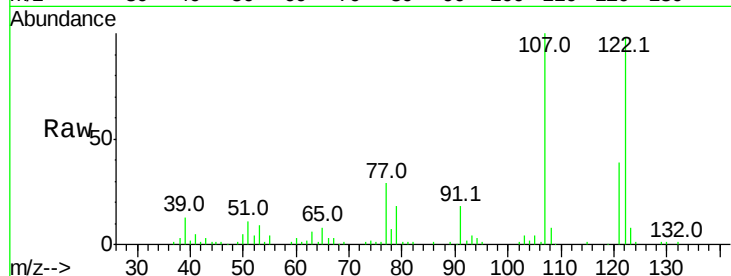




#32
Benzoic acid
Concen: 12.664 ng
RT: 7.80 min Scan# 971
Delta R.T. -0.01 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

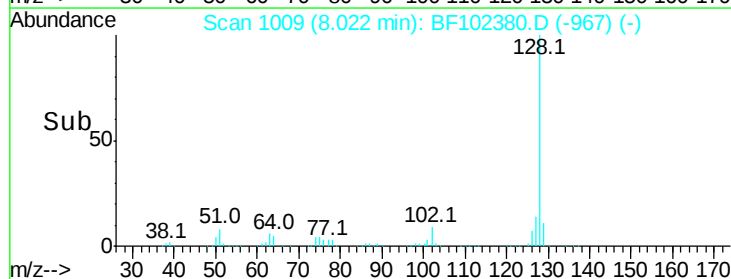
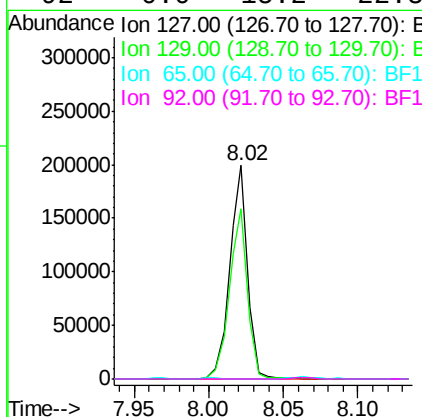
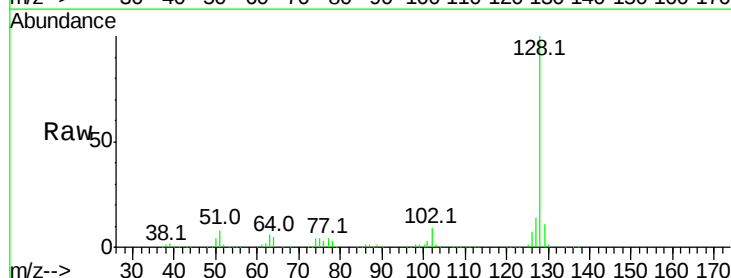
Instrument :
BNA_F
ClientSampleId :

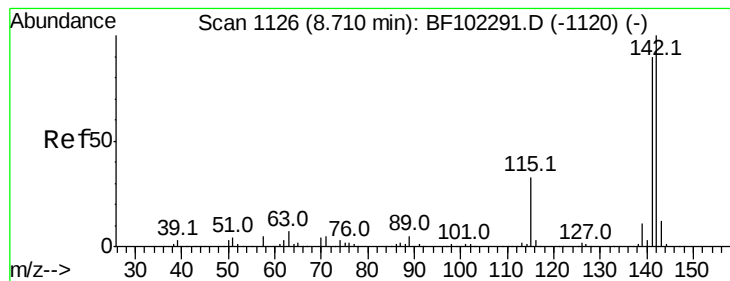
Tot Ion	Ratio	Lower	Upper
122	100		
105	3.7	101.1	141.1#
77	30.0	70.7	110.7#



#33
4-Chloroaniline
Concen: 15.771 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.05 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion	Ratio	Lower	Upper
127	100		
129	79.9	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

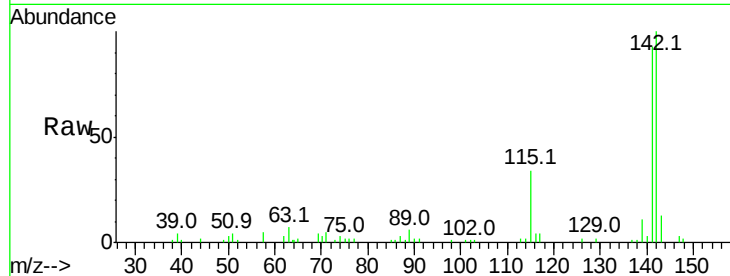




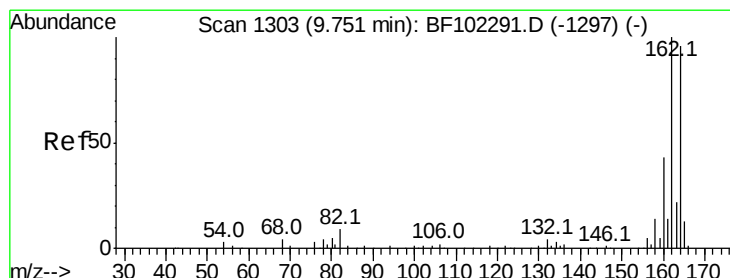
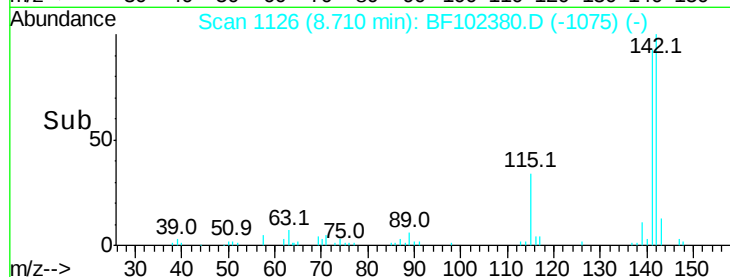
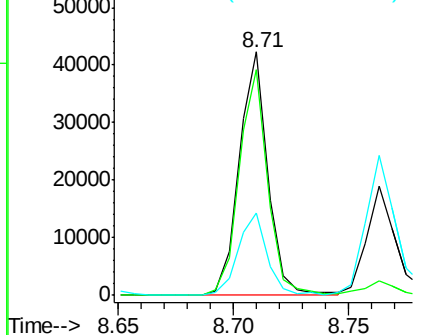
#37
 2-Methylnaphthalene
 Concen: 2.158 ng
 RT: 8.71 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: BF102380.D
 Acq: 24 Jan 2018 9:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:142 Resp: 36517
 Ion Ratio Lower Upper
 142 100
 141 92.9 70.8 106.2
 115 33.9 26.1 39.1

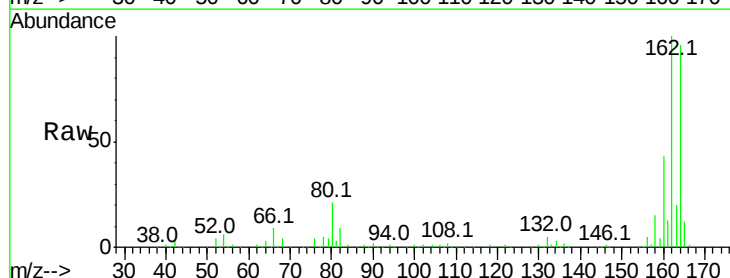


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

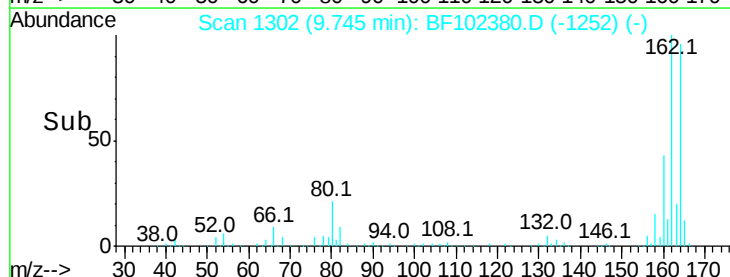
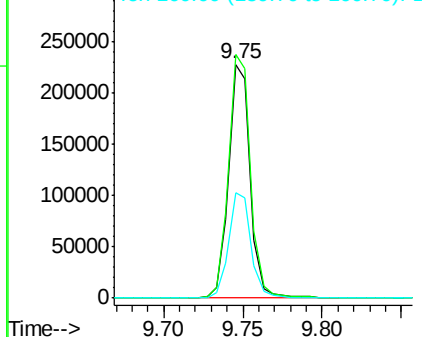


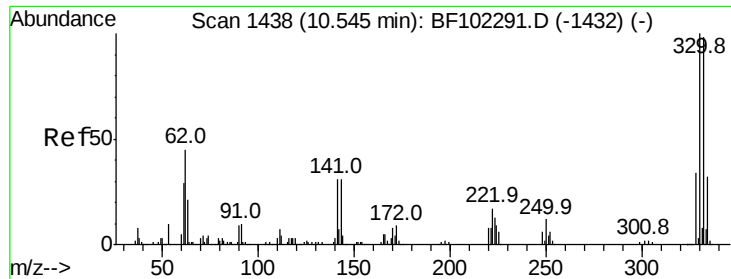
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102380.D
 Acq: 24 Jan 2018 9:44

Tgt Ion:164 Resp: 214762
 Ion Ratio Lower Upper
 164 100
 162 104.3 86.1 129.1
 160 44.9 38.3 57.5



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

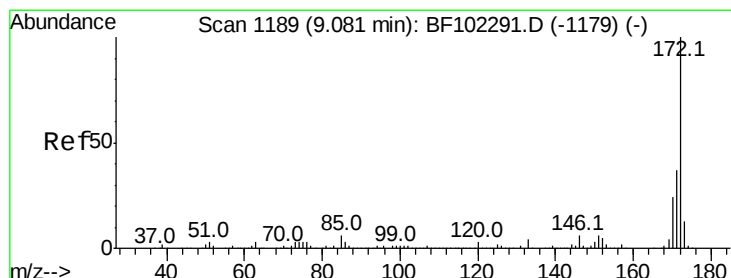
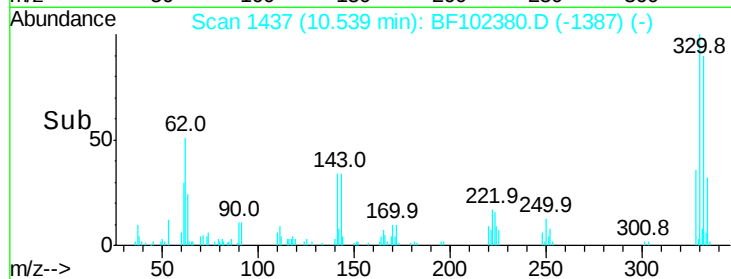
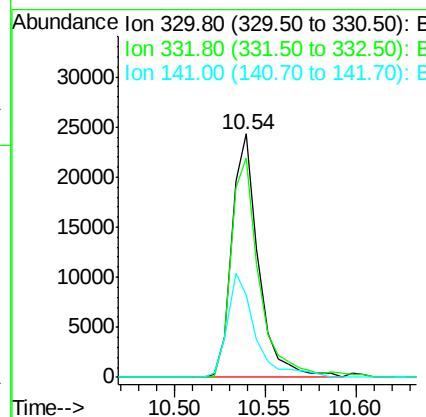
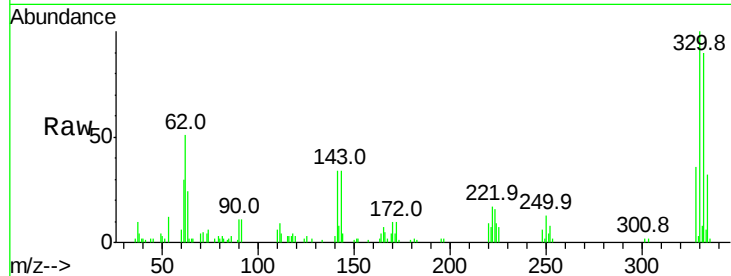




#41
 2,4,6-Tribromophenol
 Concen: 11.716 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102380.D
 Acq: 24 Jan 2018 9:44

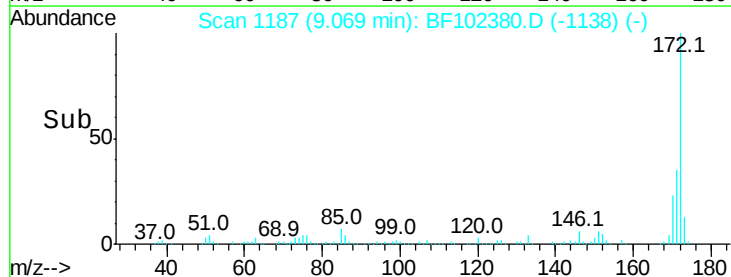
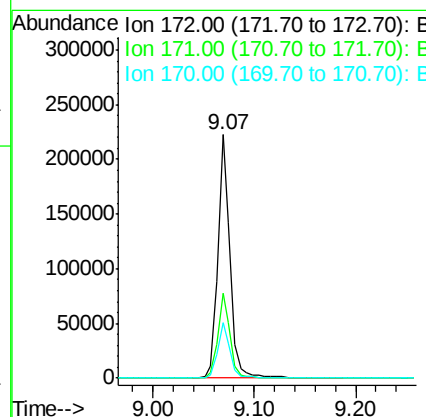
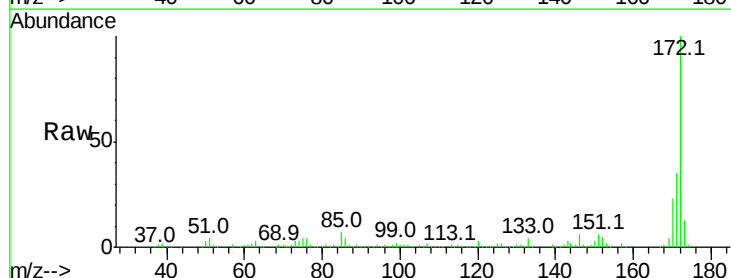
Instrument :
 BNA_F
 ClientSampled :

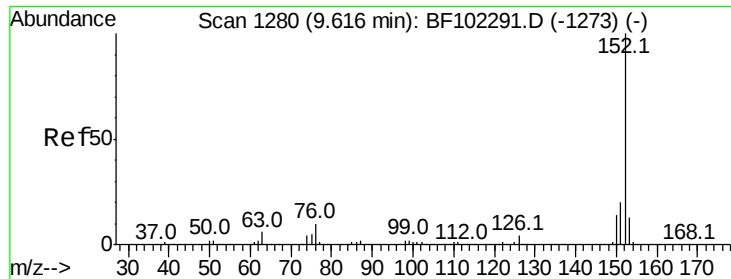
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	44.6	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 12.725 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102380.D
 Acq: 24 Jan 2018 9:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	22.7	19.6	29.4

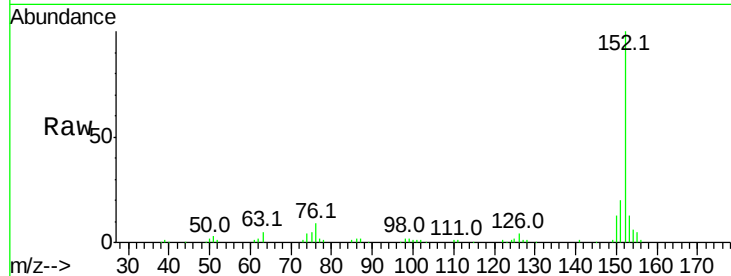




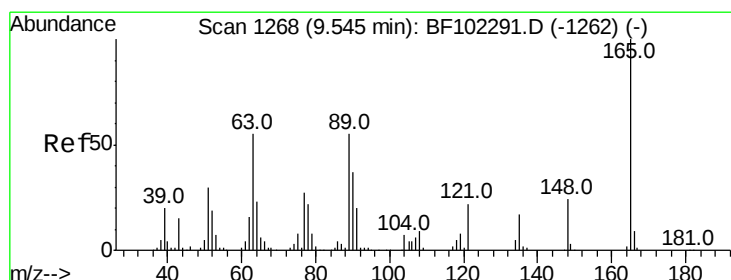
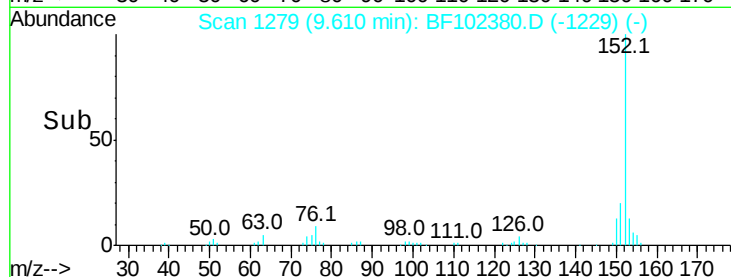
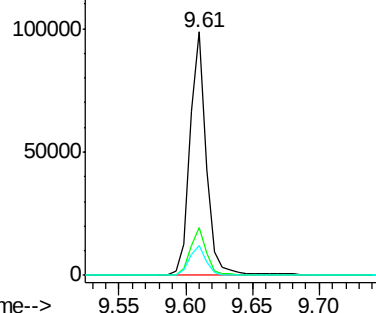
#48
Acenaphthylene
Concen: 3.683 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	12.5	10.7	16.1

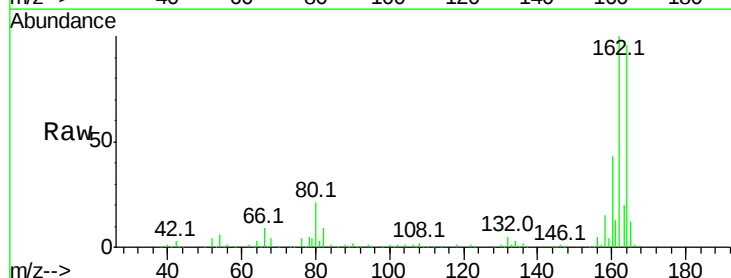


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

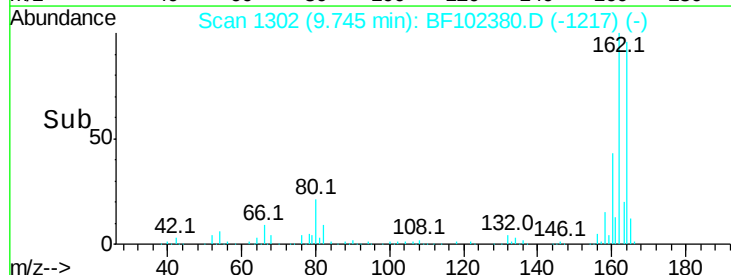
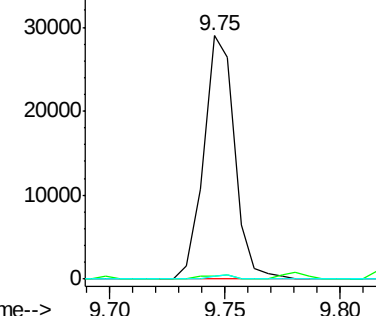


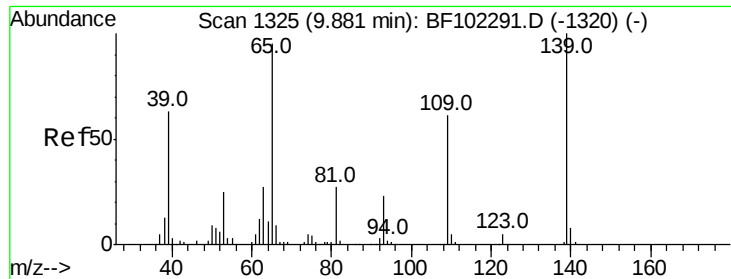
#50
2,6-Dinitrotoluene
Concen: 7.042 ng
RT: 9.75 min Scan# 1302
Delta R.T. 0.20 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.4	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

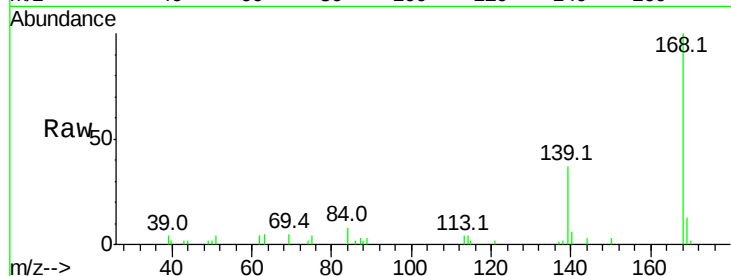




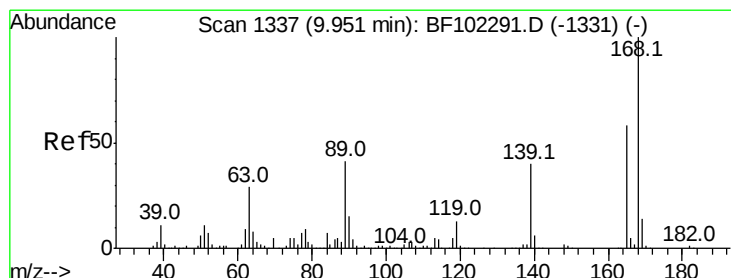
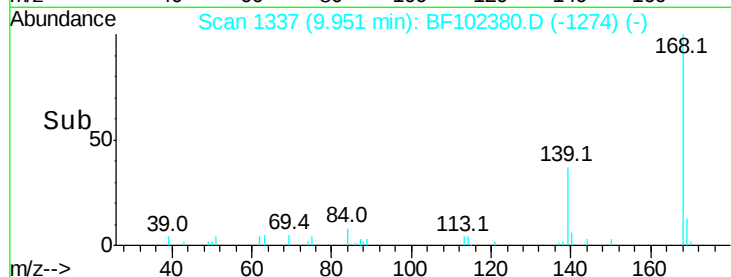
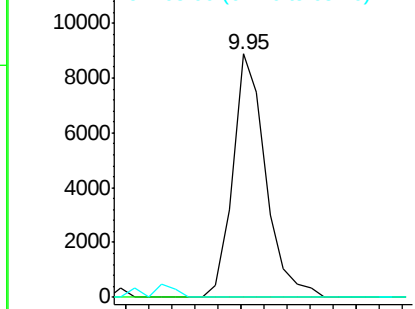
#55
 4-Nitrophenol
 Concen: 2.938 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.07 min
 Lab File: BF102380.D
 Acq: 24 Jan 2018 9:44

Instrument :
 BNA_F
 ClientSampleId :

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

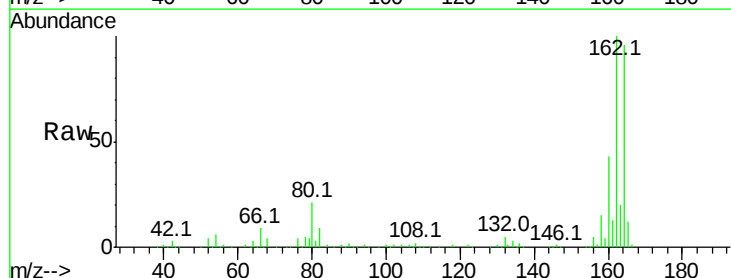


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

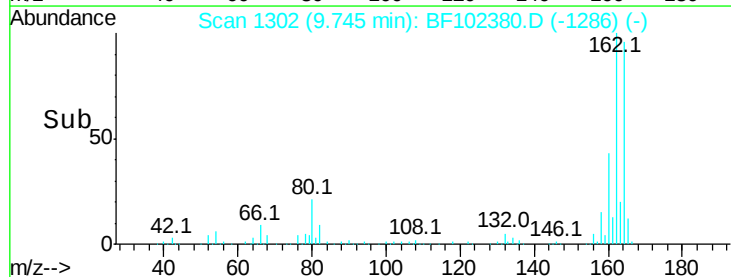
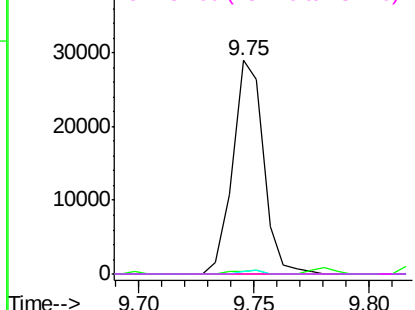


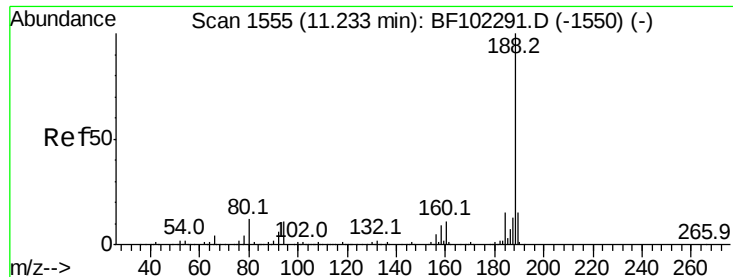
#56
 2,4-Dinitrotoluene
 Concen: 5.727 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102380.D
 Acq: 24 Jan 2018 9:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.4	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

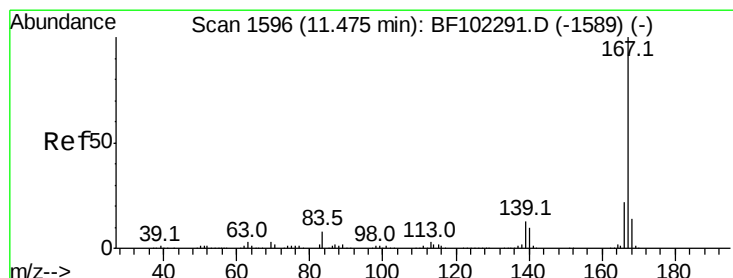
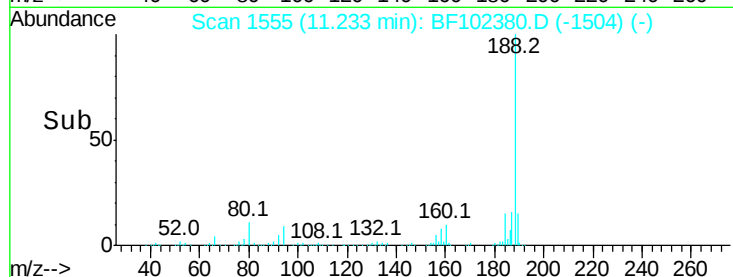
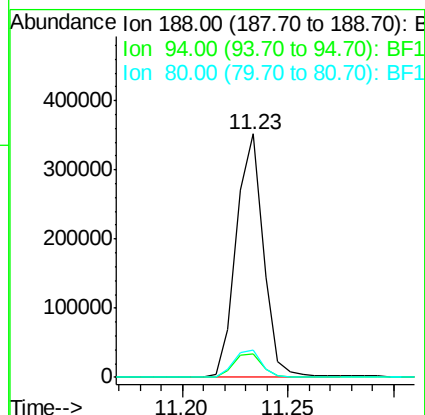
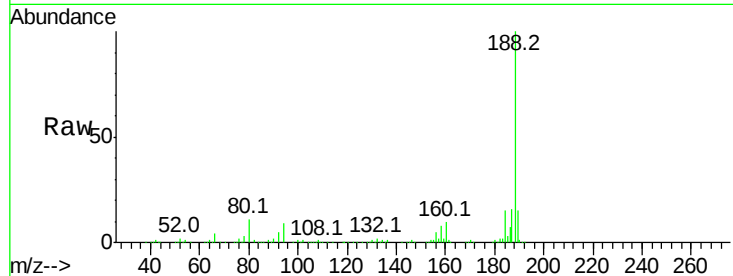




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

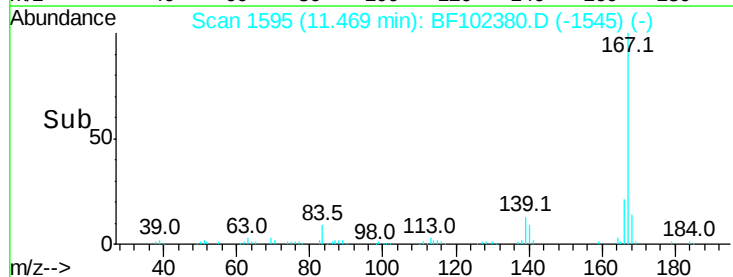
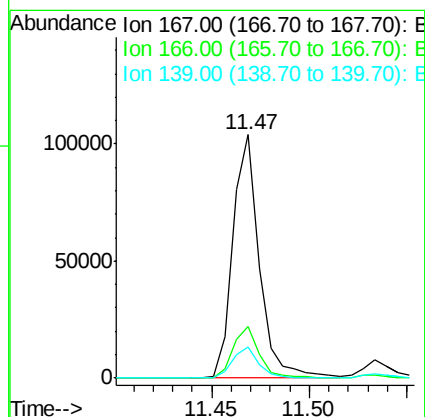
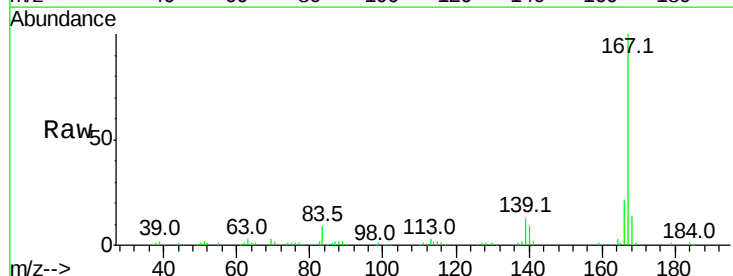
Instrument :
BNA_F
ClientSampleId :

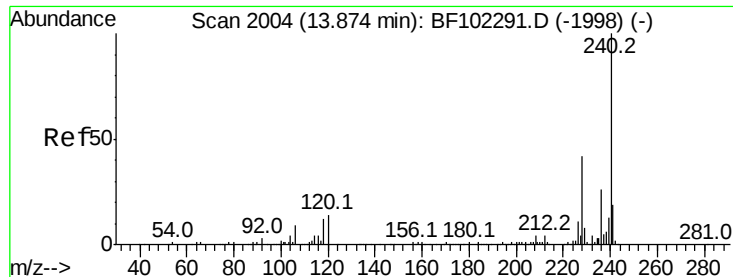
Tot Ion:188 Resp: 312851
Ion Ratio Lower Upper
188 100
94 9.4 8.5 12.7
80 11.0 9.2 13.8



#72
Carbazole
Concen: 5.389 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF102380.D
Acq: 24 Jan 2018 9:44

Tgt Ion:167 Resp: 97831
Ion Ratio Lower Upper
167 100
166 21.4 17.6 26.4
139 12.6 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: BF102380.D

Acq: 24 Jan 2018 9:44

Instrument :

BNA_F

ClientSampleId :

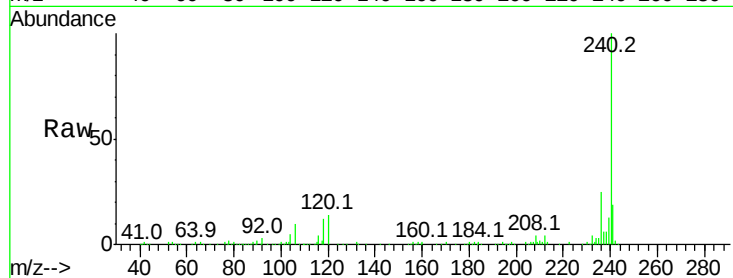
Tot Ion:240 Resp: 238582

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

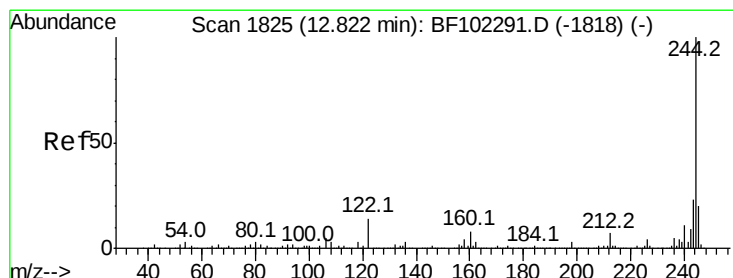
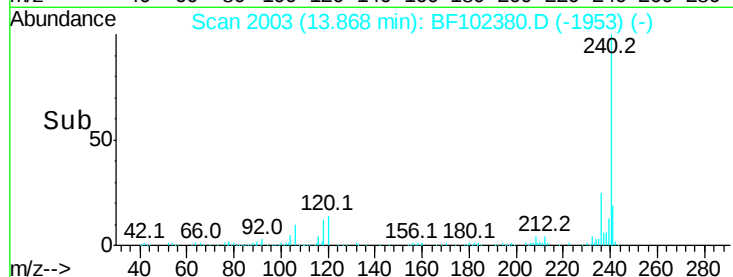
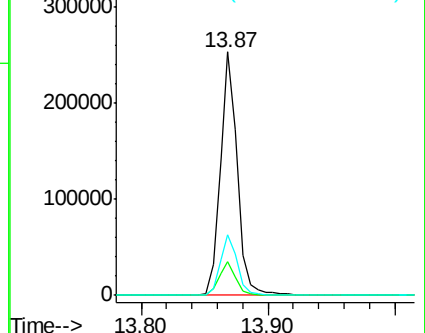
236 25.0 20.7 31.1



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: 12.407 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102380.D

Acq: 24 Jan 2018 9:44

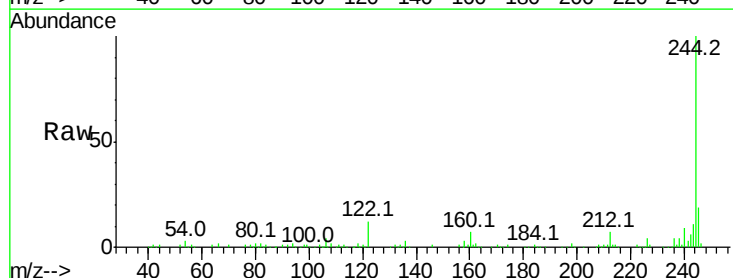
Tgt Ion:244 Resp: 131307

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

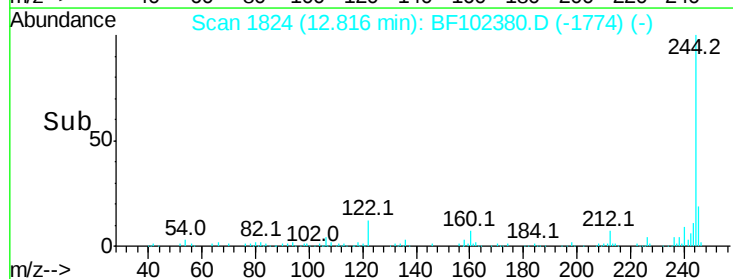
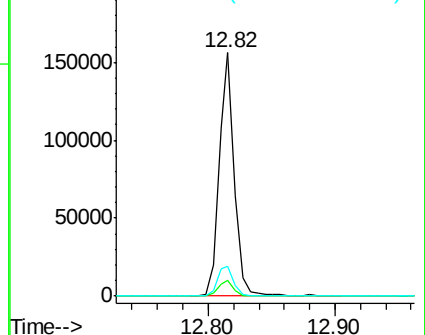
122 12.4 11.0 16.4

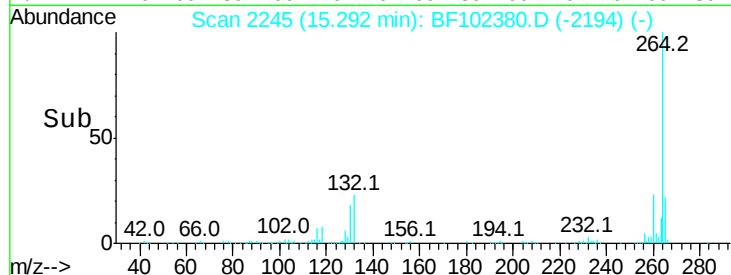
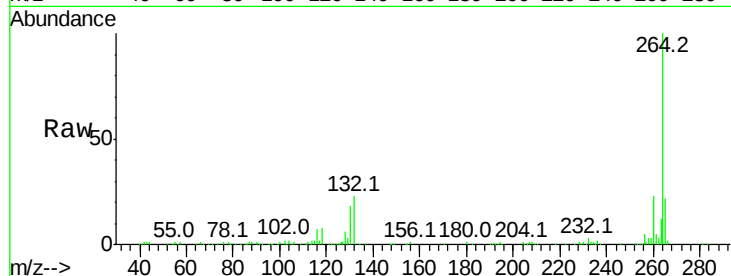
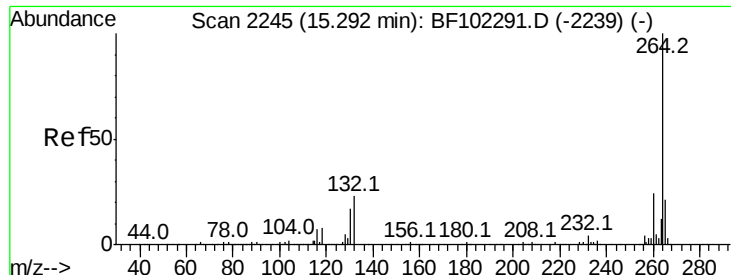


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF102380.D
Acq: 24 Jan 2018 9:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	210110
Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.6	17.5	26.3

