

Data Path : U:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102639.D
 Acq On : 30 Jan 2018 15:10
 Operator : SJ/JU
 Sample : J1345-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

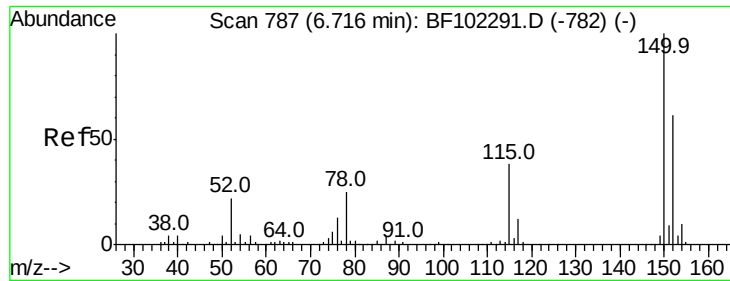
Quant Time: Jan 30 22:17:14 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	155076	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	661412	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	294379	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	512179	20.00	ng	0.00
75) Chrysene-d12	13.87	240	426734	20.00	ng	0.00
86) Perylene-d12	15.30	264	328705	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1260294	123.23	ng	0.02
7) Phenol-d6	6.37	99	1448721	117.49	ng	0.00
23) Nitrobenzene-d5	7.29	82	1028192	89.33	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	347739	119.22	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1842068	92.01	ng	0.00
78) Terphenyl-d14	12.82	244	1654000	87.38	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.27	77	164303	20.611	ng	93
10) Phenol	6.38	94	35967	2.672	ng	# 1
15) Benzyl Alcohol	6.92	79	4466272	513.376	ng	98
17) 2-Methylphenol	6.92	107	2563564	275.321	ng	# 22
20) 3+4-Methylphenols	6.92	107	2525234	230.595	ng	# 1
25) Isophorone	7.29	82	1028185	50.110	ng	# 64
27) 2,4-Dimethylphenol	7.79	122	33055	3.672	ng	# 10
31) Naphthalene	8.02	128	110389	3.343	ng	97
32) Benzoic acid	7.79	122	33055	4.383	ng	91
49) Dimethylphthalate	9.46	163	62937	2.587	ng	99
50) 2,6-Dinitrotoluene	9.75	165	38280	7.297	ng	# 26
56) 2,4-Dinitrotoluene	9.75	165	38280	5.934	ng	# 24
66) 4-Bromophenyl-phenylether	10.54	248	23734	4.305	ng	# 1
76) Benzidine	12.40	184	31944	2.228	ng	# 86

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

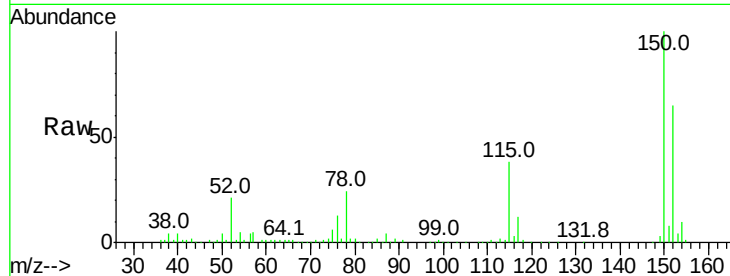


#1

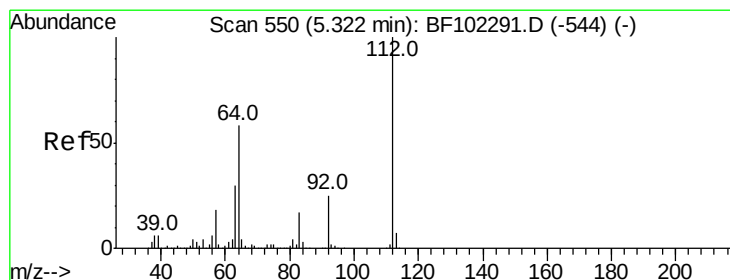
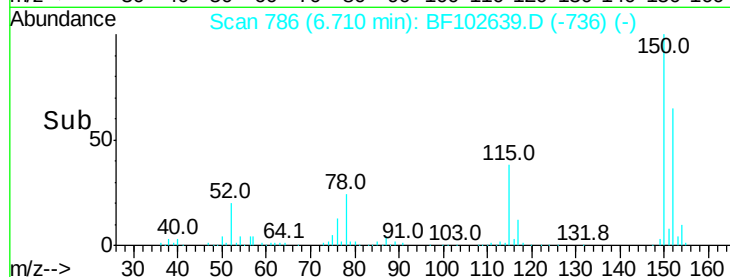
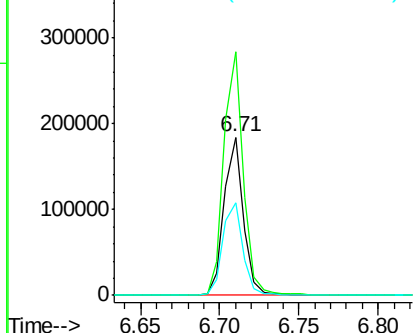
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102639.D
Acq: 30 Jan 2018 15:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 155076
Ion Ratio Lower Upper
152 100
150 153.9 124.6 186.8
115 58.5 50.1 75.1



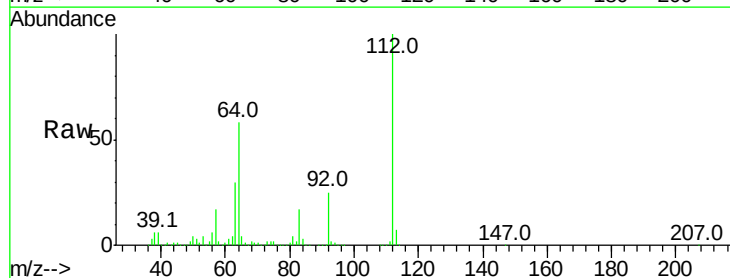
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



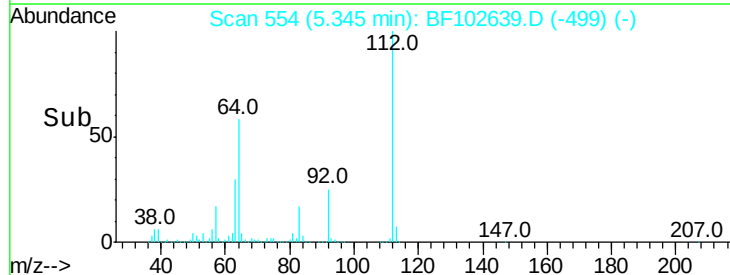
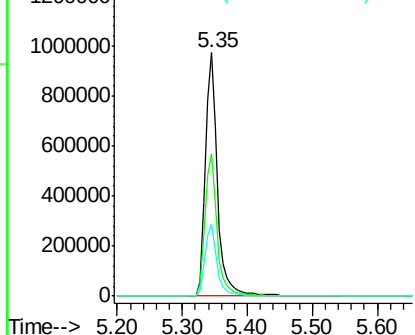
#5

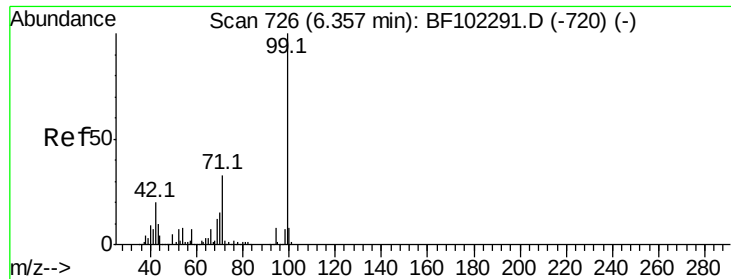
2-Fluorophenol
Concen: 123.226 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.02 min
Lab File: BF102639.D
Acq: 30 Jan 2018 15:10

Tgt Ion:112 Resp: 1260294
Ion Ratio Lower Upper
112 100
64 58.5 47.9 71.9
63 29.8 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: 117.494 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102639.D

Acq: 30 Jan 2018 15:10

Instrument :

BNA_F

ClientSampleId :

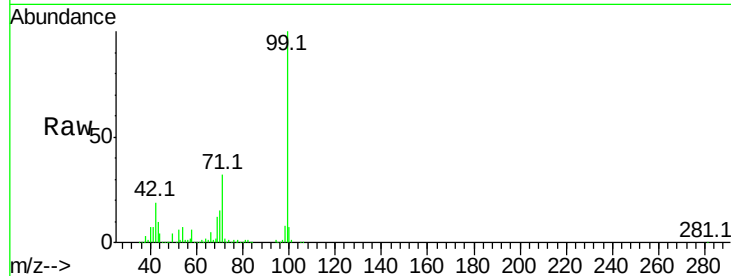
Tot Ion: 99 Resp: 1448721

Ion Ratio Lower Upper

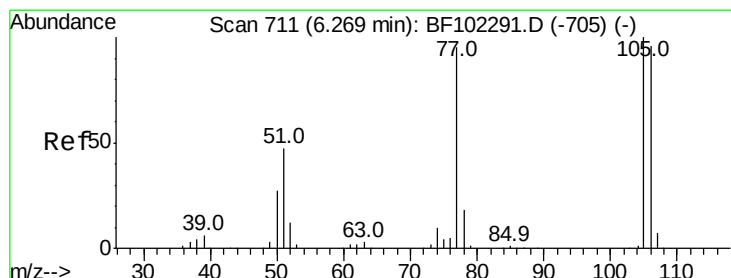
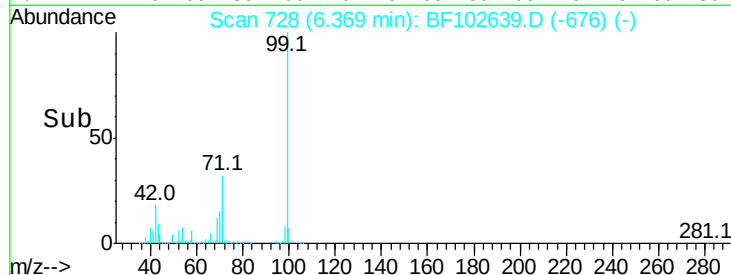
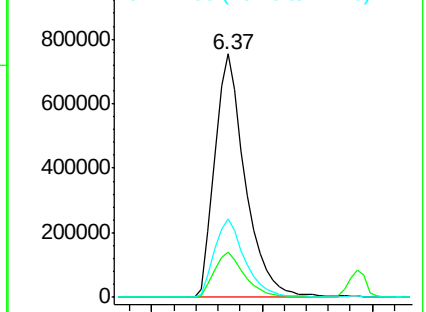
99 100

42 18.6 14.5 21.7

71 32.0 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



#9

Benzaldehyde

Concen: 20.611 ng

RT: 6.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BF102639.D

Acq: 30 Jan 2018 15:10

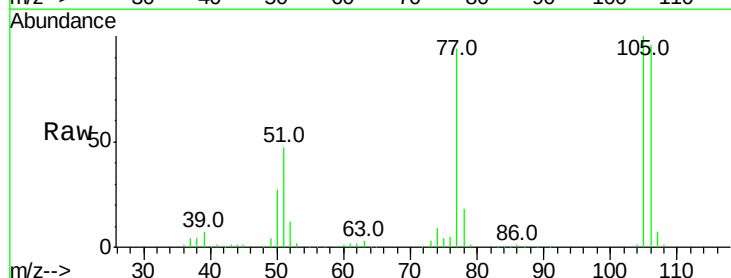
Tgt Ion: 77 Resp: 164303

Ion Ratio Lower Upper

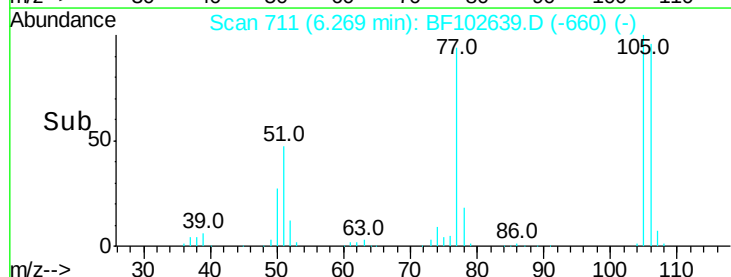
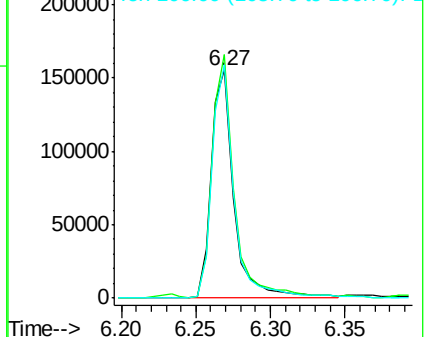
77 100

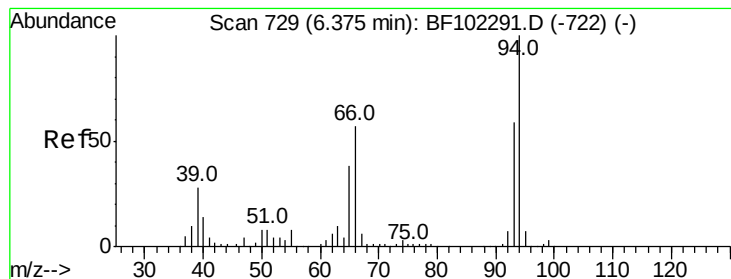
105 106.8 81.1 121.1

106 102.5 74.5 114.5



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: 2.672 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF102639.D

Acq: 30 Jan 2018 15:10

Instrument :

BNA_F

ClientSampled :

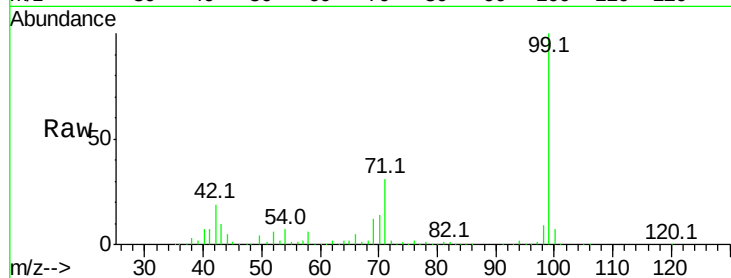
Tot Ion: 94 Resp: 35967

Ion Ratio Lower Upper

94 100

65 64.7 7.9 47.9#

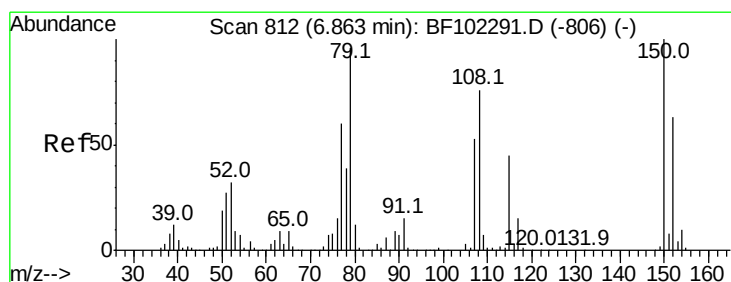
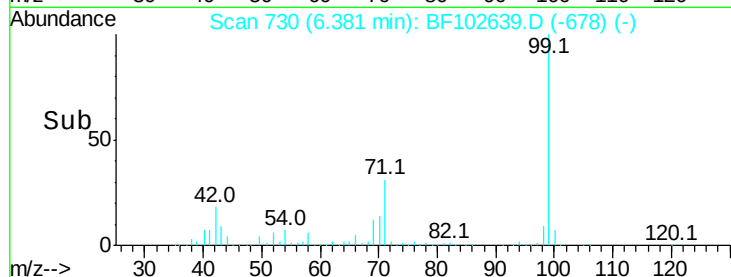
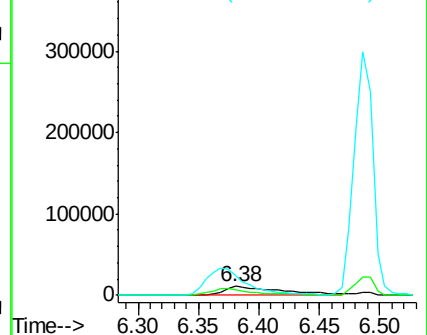
66 228.8 16.2 56.2#



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



#15

Benzyl Alcohol

Concen: 513.376 ng

RT: 6.92 min Scan# 822

Delta R.T. 0.05 min

Lab File: BF102639.D

Acq: 30 Jan 2018 15:10

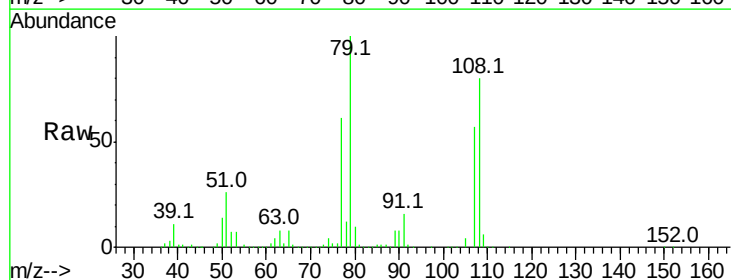
Tgt Ion: 79 Resp: 4466272

Ion Ratio Lower Upper

79 100

108 79.7 65.1 97.7

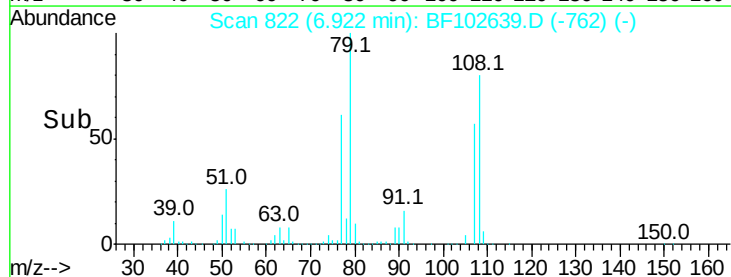
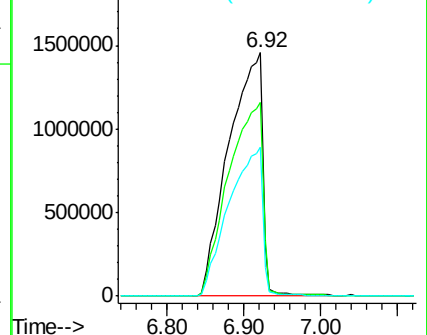
77 61.1 50.6 75.8

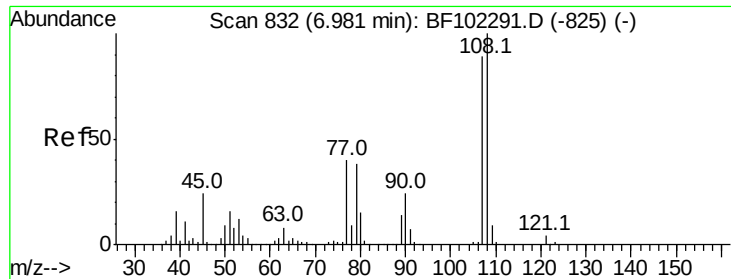


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#17

2-Methylphenol

Concen: 275.321 ng

RT: 6.92 min Scan# 822

Delta R.T. -0.06 min

Lab File: BF102639.D

Acq: 30 Jan 2018 15:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 2563564

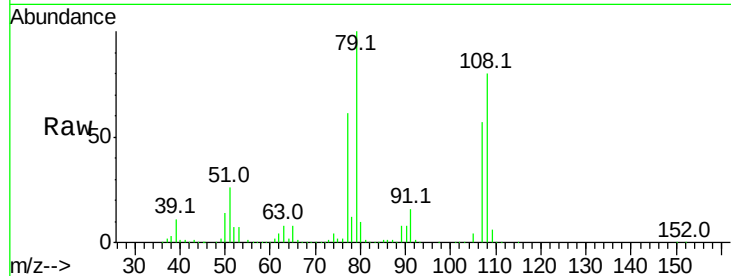
Ion Ratio Lower Upper

107 100

108 138.7 91.7 137.5#

77 106.4 33.8 50.8#

79 174.1 33.8 50.8#

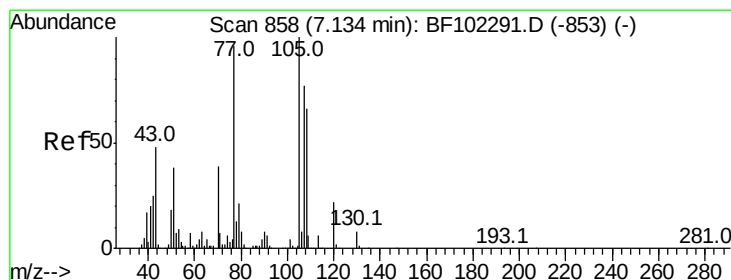
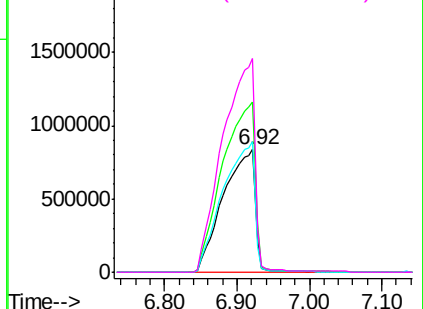
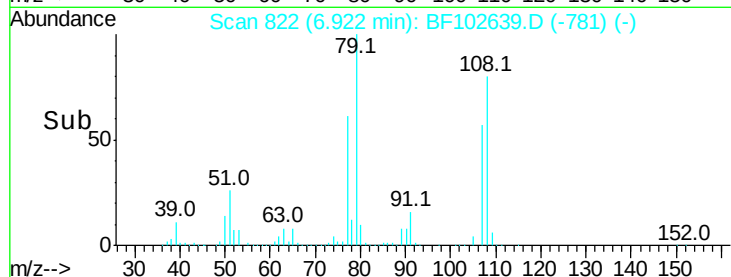


Abundance Ion 107.00 (106.70 to 107.70): E

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



#20

3+4-Methylphenols

Concen: 230.595 ng

RT: 6.92 min Scan# 822

Delta R.T. -0.22 min

Lab File: BF102639.D

Acq: 30 Jan 2018 15:10

Tgt Ion:107 Resp: 2525234

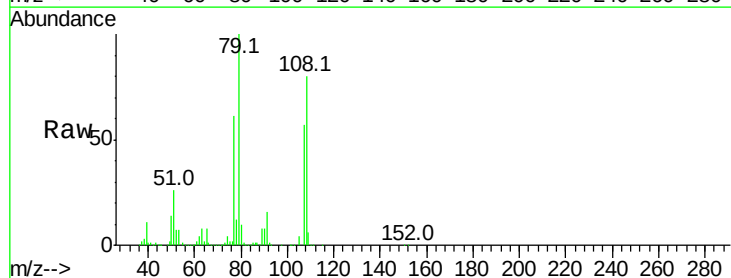
Ion Ratio Lower Upper

107 100

108 138.7 68.2 108.2#

77 106.4 26.7 66.7#

79 174.1 6.3 46.3#

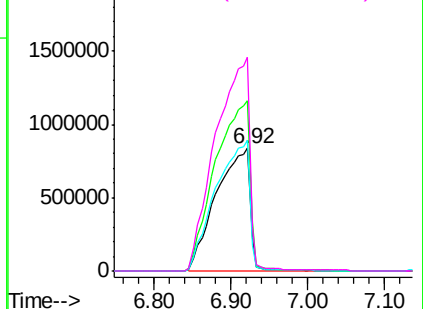
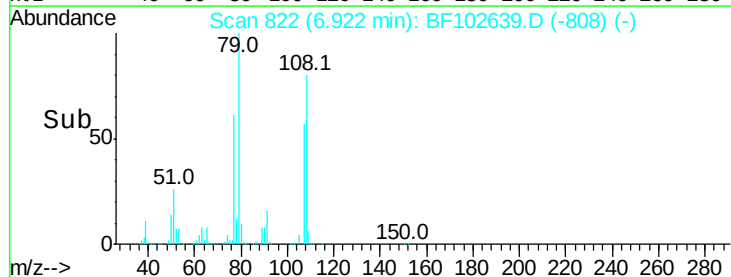


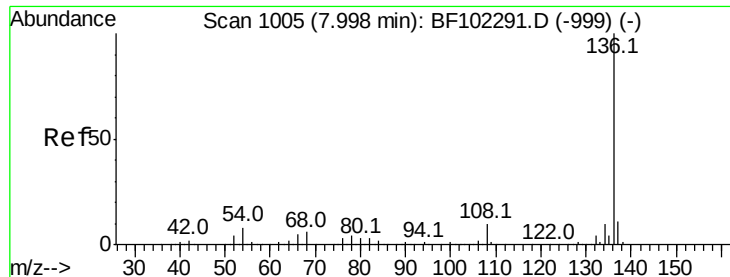
Abundance Ion 107.00 (106.70 to 107.70): E

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

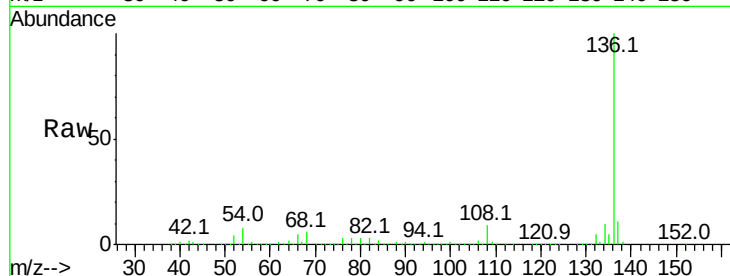




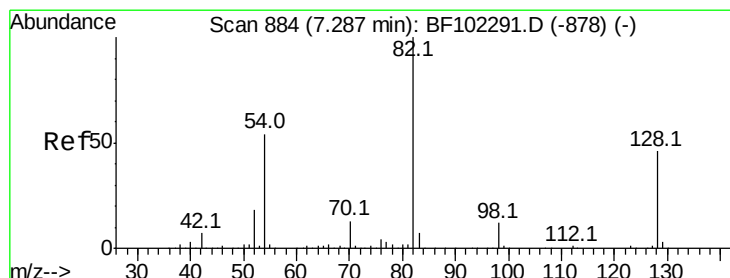
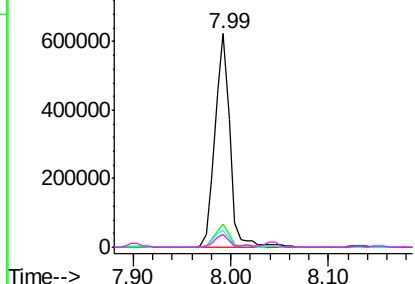
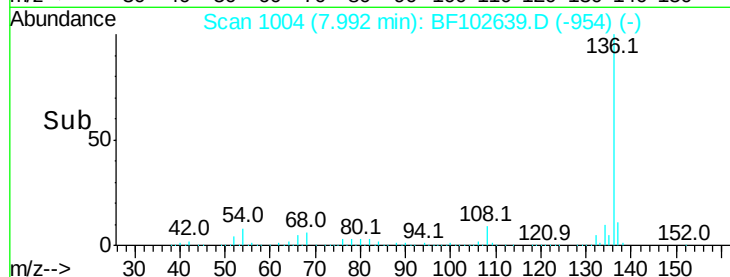
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF102639.D
Acq: 30 Jan 2018 15:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 661412
Ion Ratio	Lower Upper
136 100	
137 10.6	8.9 13.3
54 8.0	6.6 9.8
68 5.8	5.0 7.4

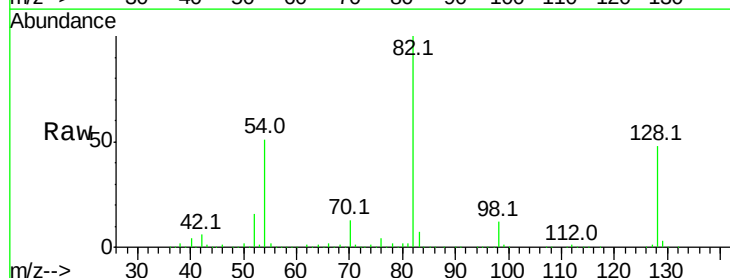


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

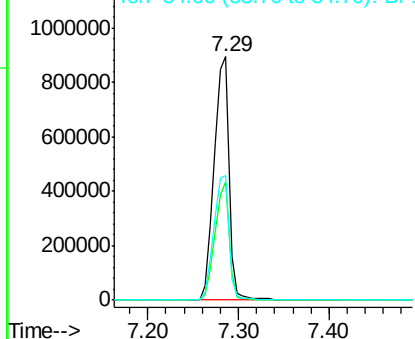
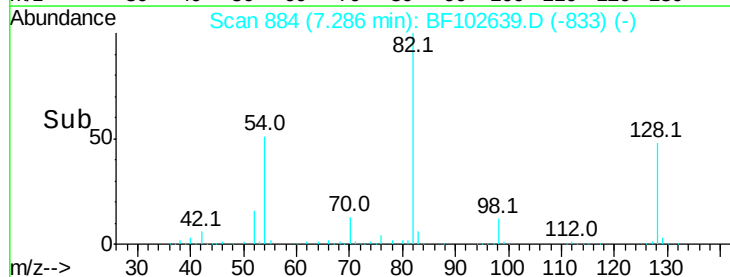


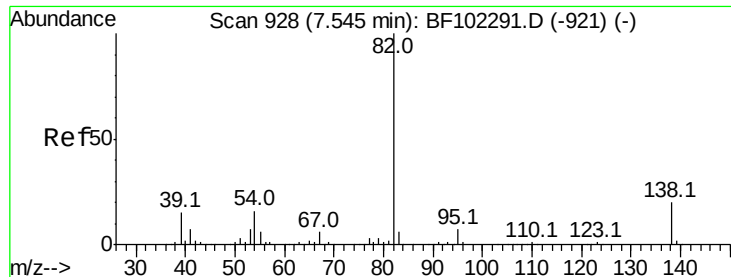
#23
Nitrobenzene-d5
Concen: 89.335 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF102639.D
Acq: 30 Jan 2018 15:10

Tgt Ion	82	Resp: 1028192	
Ion	Ratio	Lower	Upper
82	100		
128	48.3	36.1	54.1
54	51.3	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: 50.110 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102639.D

Acq: 30 Jan 2018 15:10

Instrument :

BNA_F

ClientSampleId :

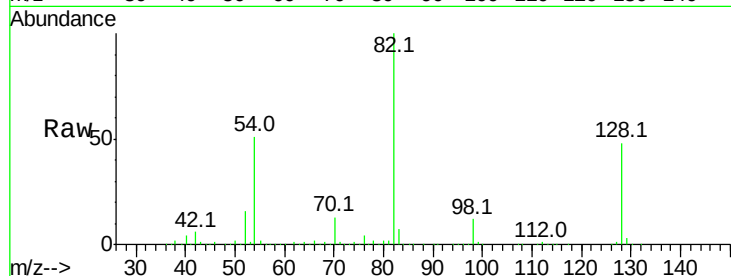
Tot Ion: 82 Resp: 1028185

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

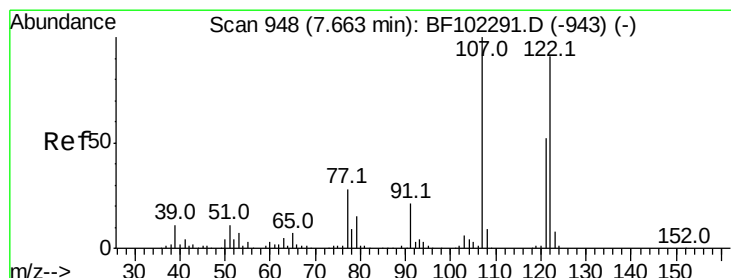
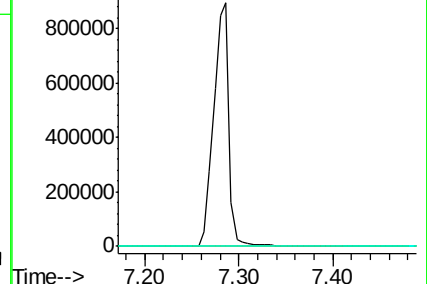
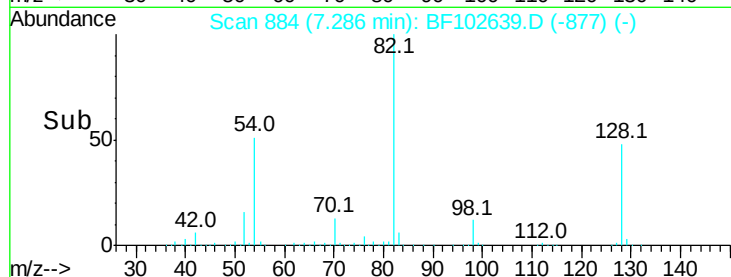
138 0.0 14.9 22.3#



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: 3.672 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.13 min

Lab File: BF102639.D

Acq: 30 Jan 2018 15:10

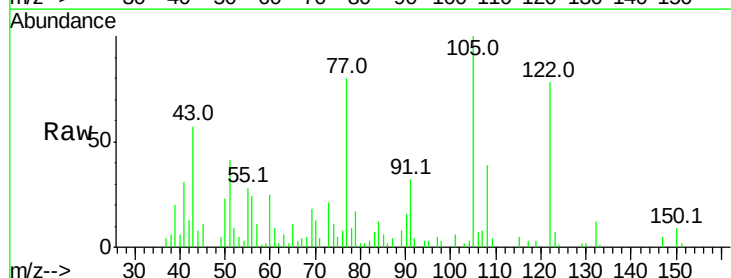
Tgt Ion:122 Resp: 33055

Ion Ratio Lower Upper

122 100

107 10.7 91.2 136.8#

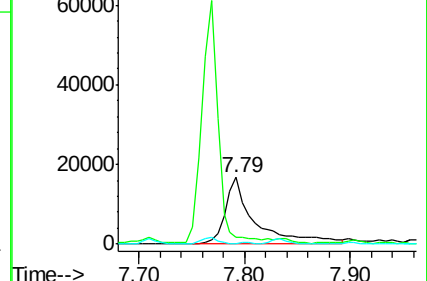
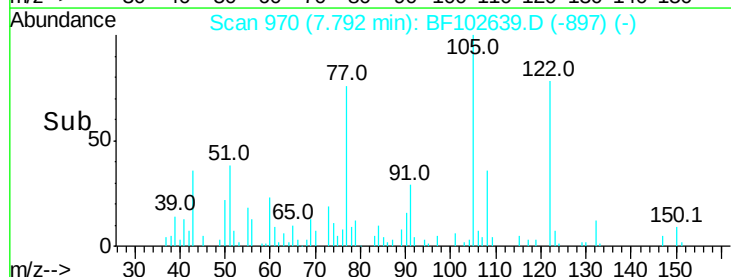
121 0.0 47.2 70.8#

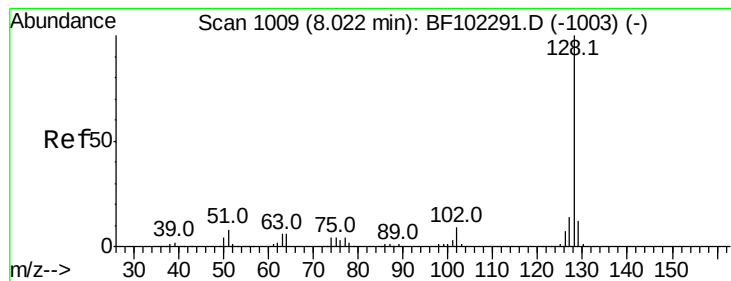


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 3.343 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF102639.D

Acq: 30 Jan 2018 15:10

Instrument :

BNA_F

ClientSampleId :

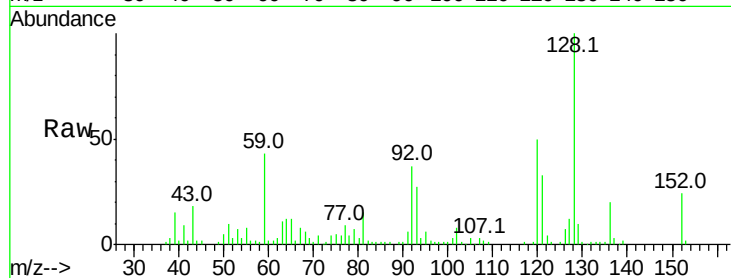
Tot Ion:128 Resp: 110389

Ion Ratio Lower Upper

128 100

129 9.9 8.8 13.2

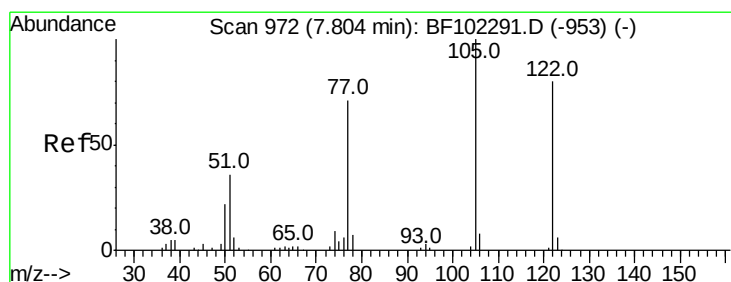
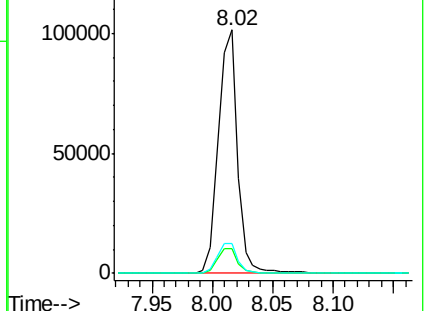
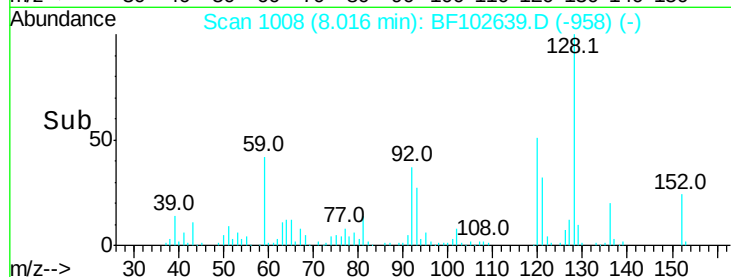
127 12.1 10.9 16.3



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: 4.383 ng

RT: 7.79 min Scan# 970

Delta R.T. -0.02 min

Lab File: BF102639.D

Acq: 30 Jan 2018 15:10

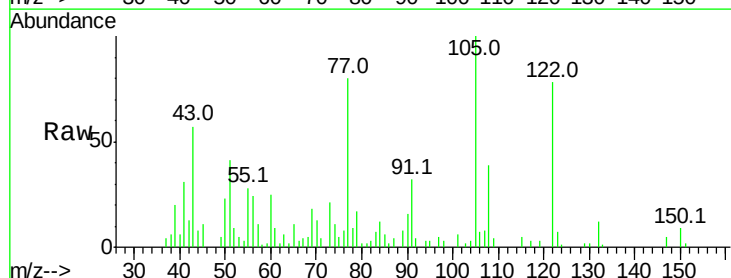
Tgt Ion:122 Resp: 33055

Ion Ratio Lower Upper

122 100

105 127.4 101.1 141.1

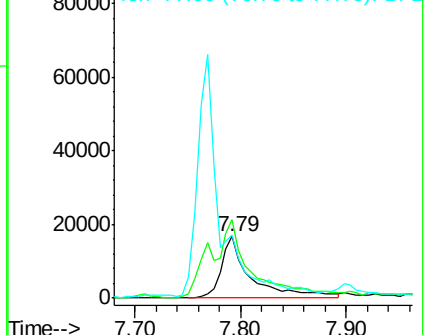
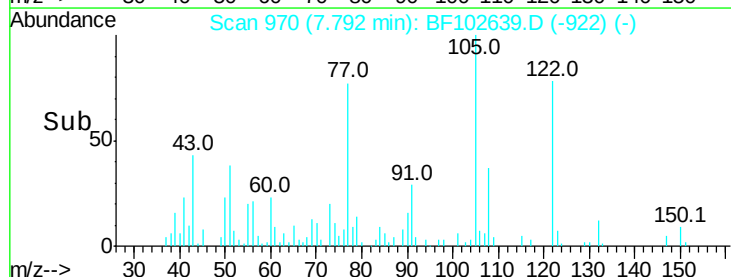
77 102.5 70.7 110.7

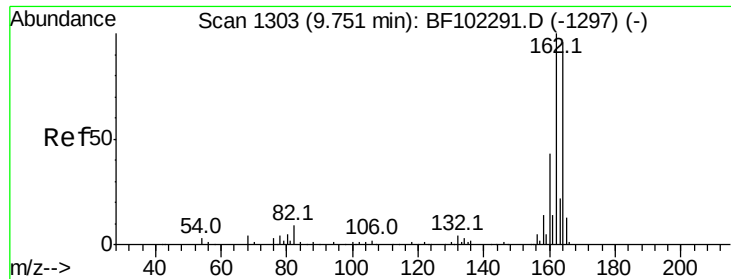


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

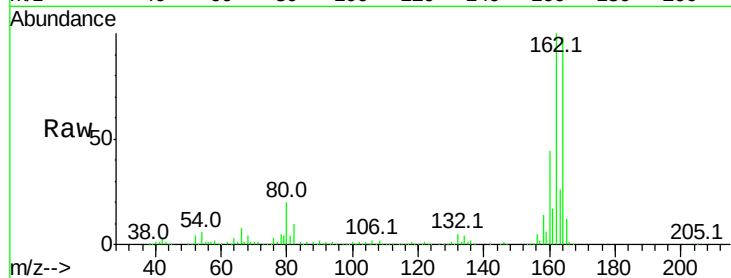




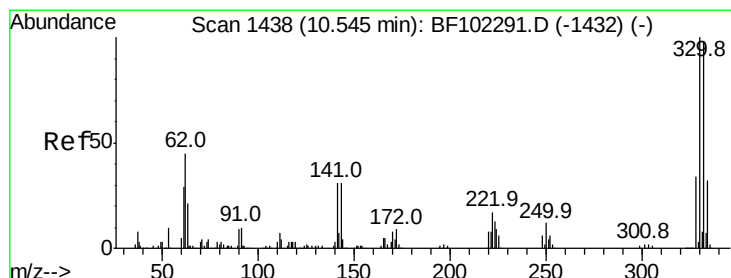
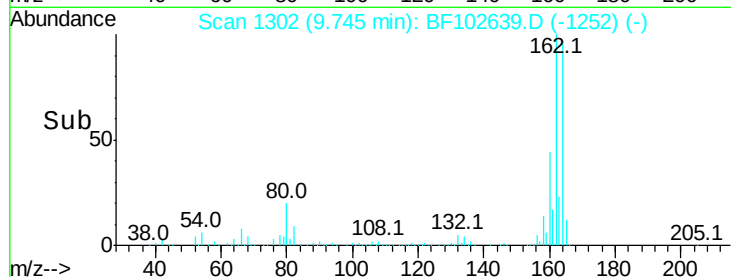
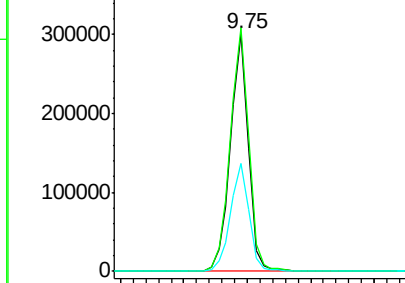
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102639.D
 Acq: 30 Jan 2018 15:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 294379
 Ion Ratio Lower Upper
 164 100
 162 102.4 86.1 129.1
 160 45.3 38.3 57.5

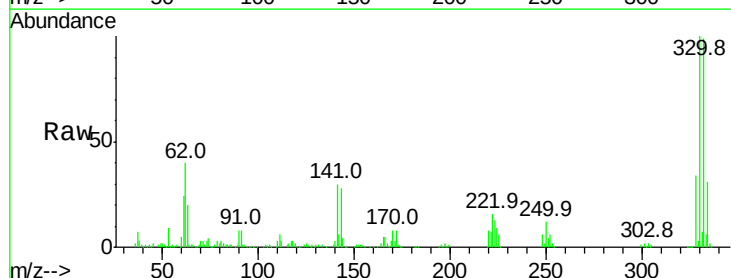


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

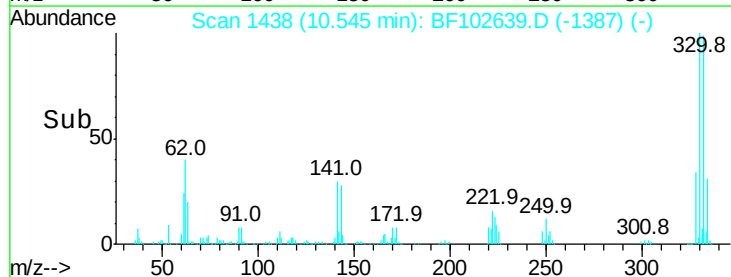
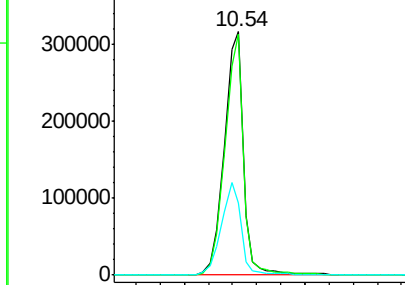


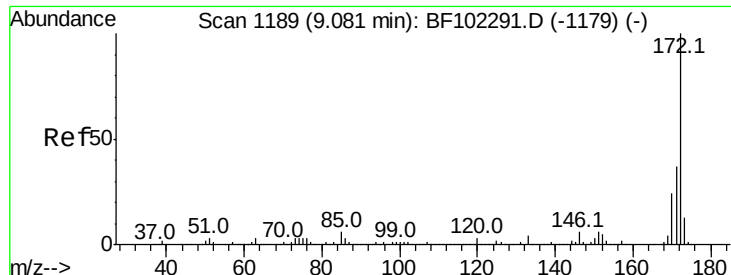
#41
 2,4,6-Tribromophenol
 Concen: 119.216 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102639.D
 Acq: 30 Jan 2018 15:10

Tgt Ion:330 Resp: 347739
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 39.6 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

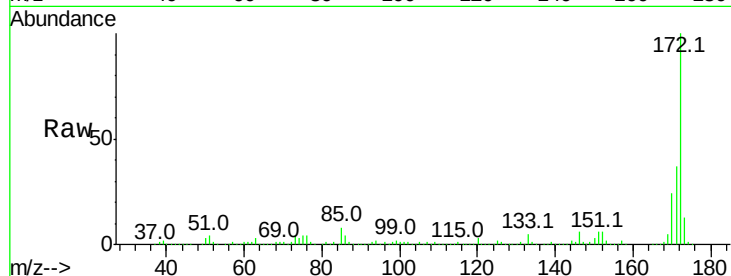




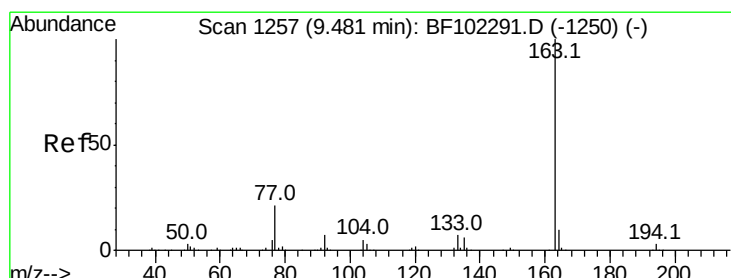
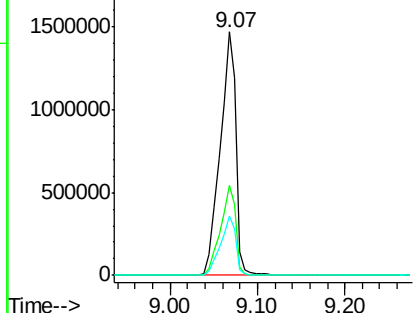
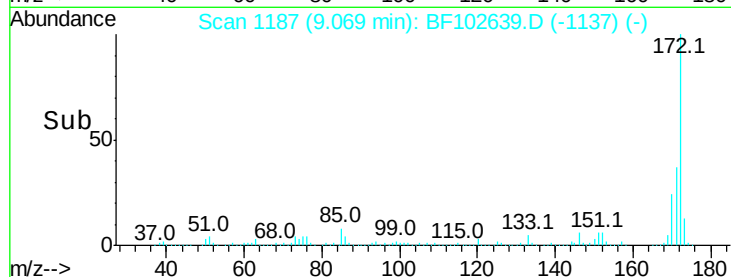
#44
2-Fluorobiphenyl
Concen: 92.007 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF102639.D
Acq: 30 Jan 2018 15:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1842068
Ion Ratio Lower Upper
172 100
171 36.8 29.7 44.5
170 24.4 19.6 29.4

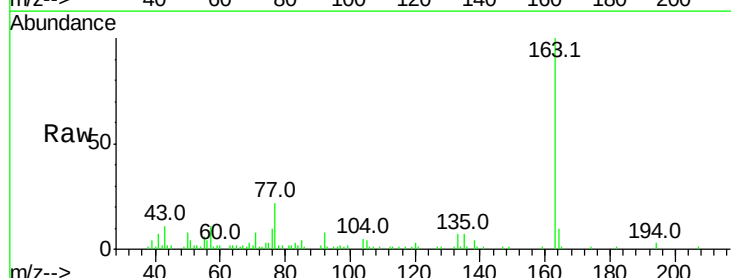


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

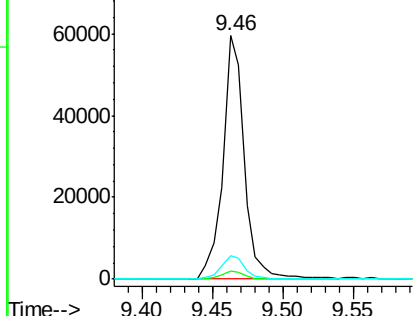
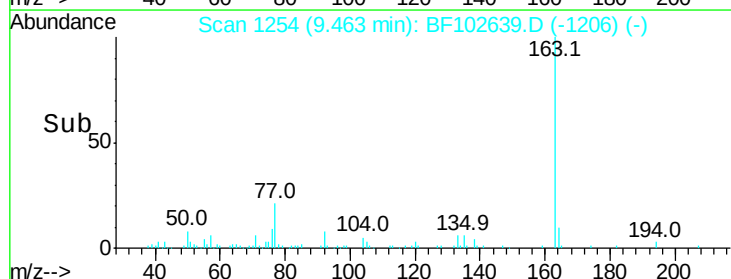


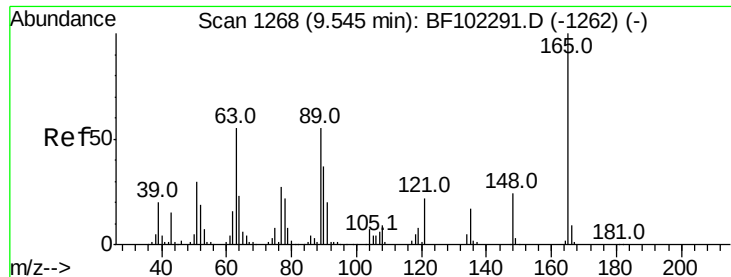
#49
Dimethylphthalate
Concen: 2.587 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF102639.D
Acq: 30 Jan 2018 15:10

Tgt Ion:163 Resp: 62937
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.6 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
80000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

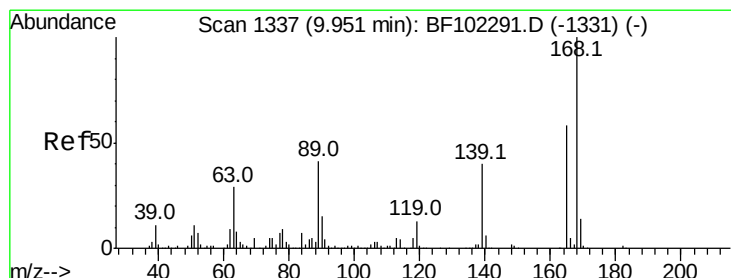
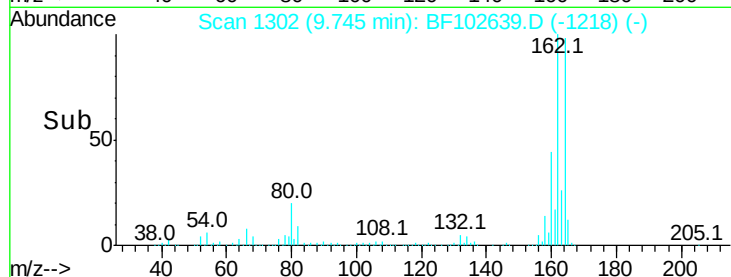
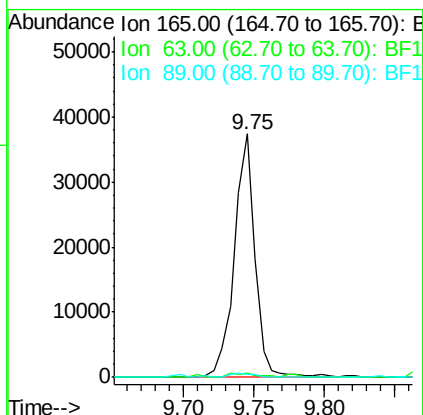
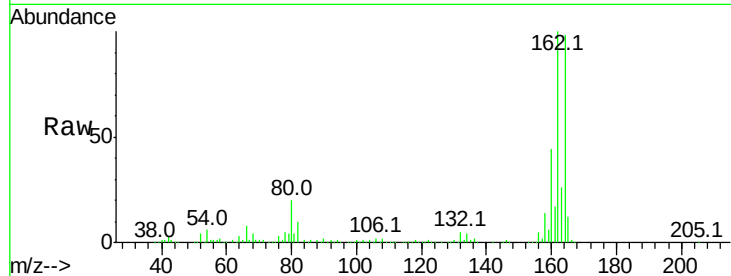




#50
 2,6-Dinitrotoluene
 Concen: 7.297 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.19 min
 Lab File: BF102639.D
 Acq: 30 Jan 2018 15:10

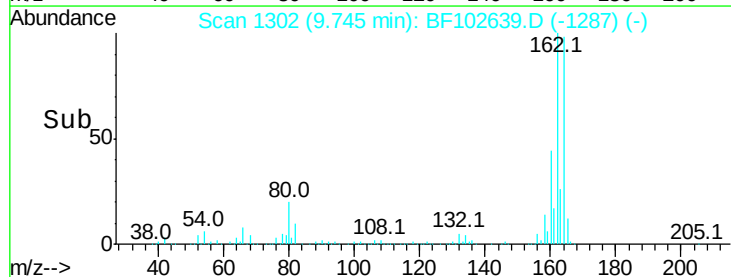
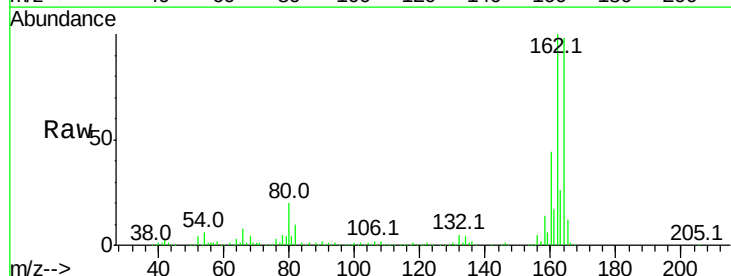
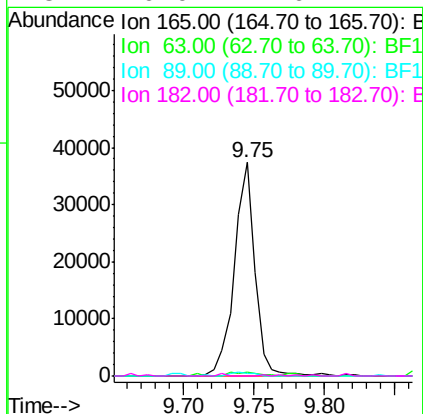
Instrument :
 BNA_F
 ClientSampleId :

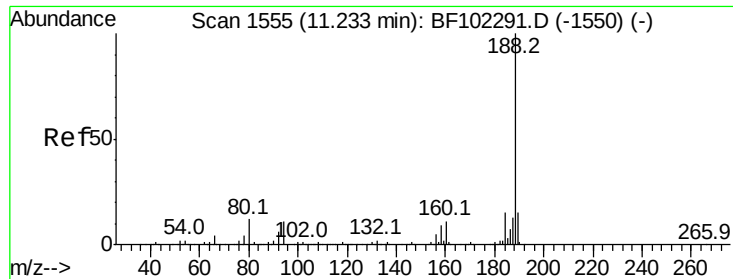
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.934 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102639.D
 Acq: 30 Jan 2018 15:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

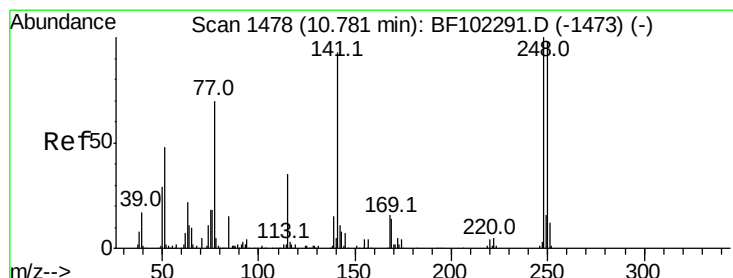
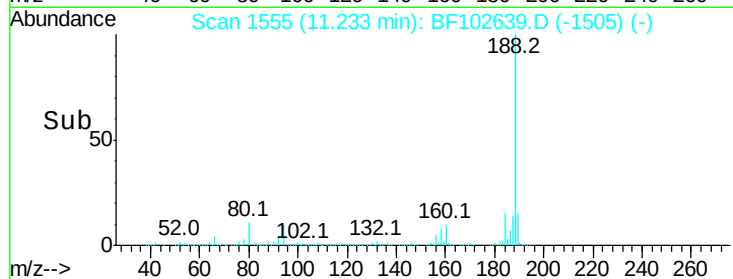
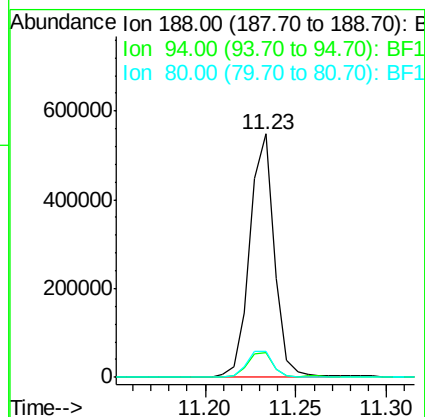
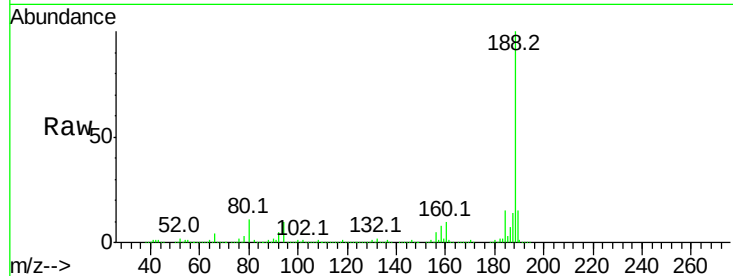




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102639.D
Acq: 30 Jan 2018 15:10

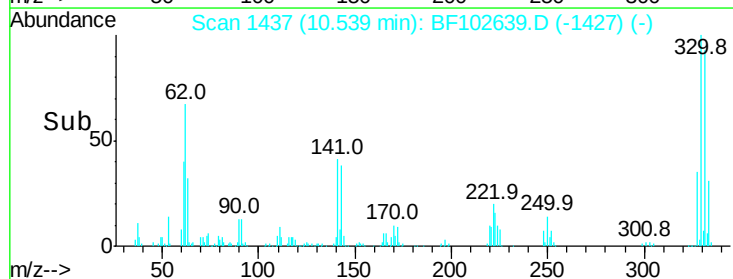
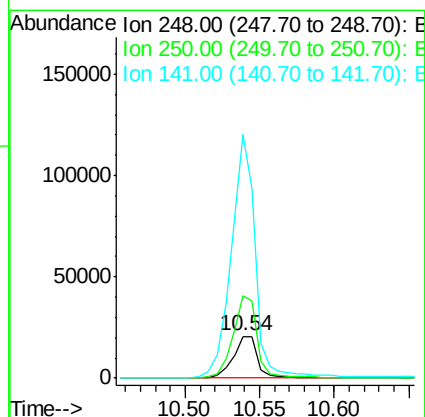
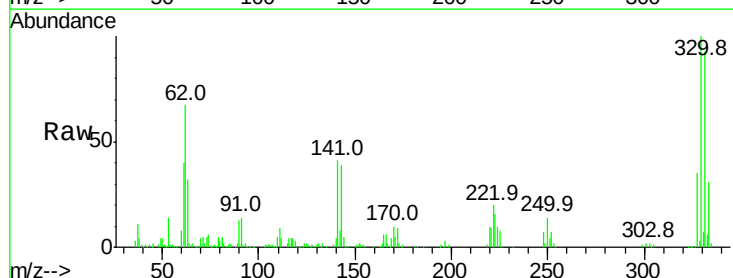
Instrument :
BNA_F
ClientSampleId :

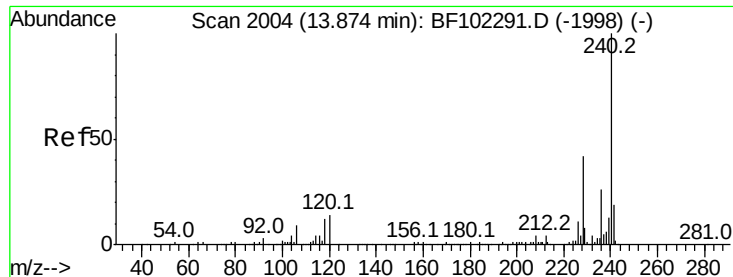
Tot Ion:188 Resp: 512179
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 10.7 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 4.305 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102639.D
Acq: 30 Jan 2018 15:10

Tgt Ion:248 Resp: 23734
Ion Ratio Lower Upper
248 100
250 197.7 76.9 115.3#
141 586.8 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102639.D

Acq: 30 Jan 2018 15:10

Instrument :

BNA_F

ClientSampleId :

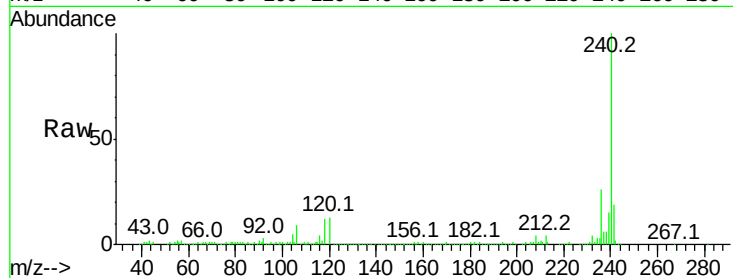
Tot Ion:240 Resp: 426734

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

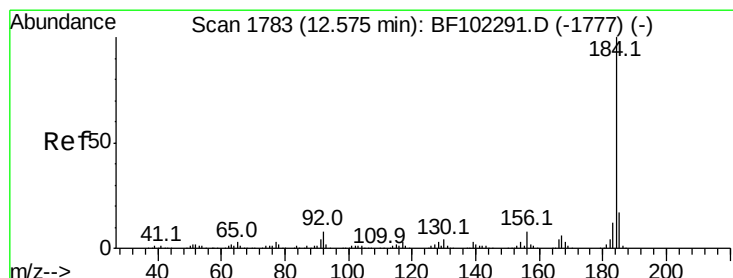
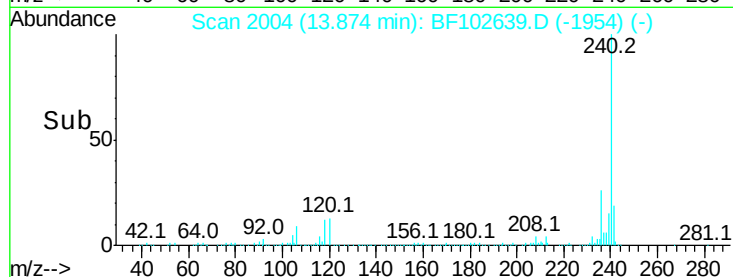
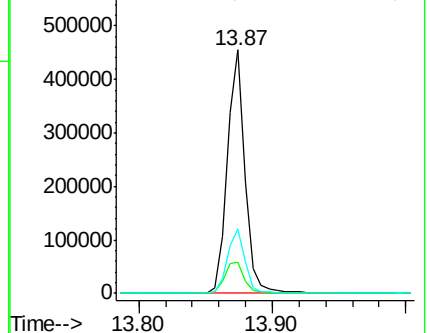
236 26.3 20.7 31.1



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



#76

Benzidine

Concen: 2.228 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.17 min

Lab File: BF102639.D

Acq: 30 Jan 2018 15:10

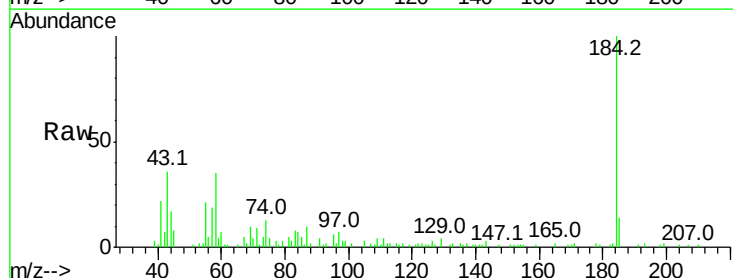
Tgt Ion:184 Resp: 31944

Ion Ratio Lower Upper

184 100

185 13.8 12.6 18.8

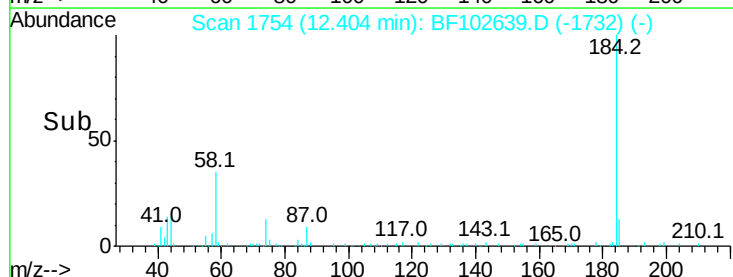
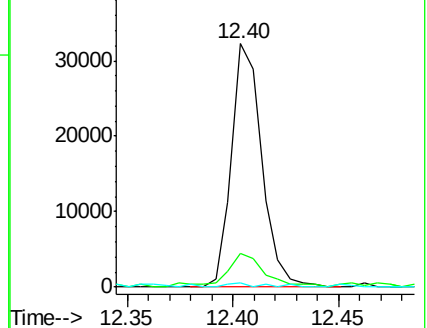
183 1.6 9.3 13.9#

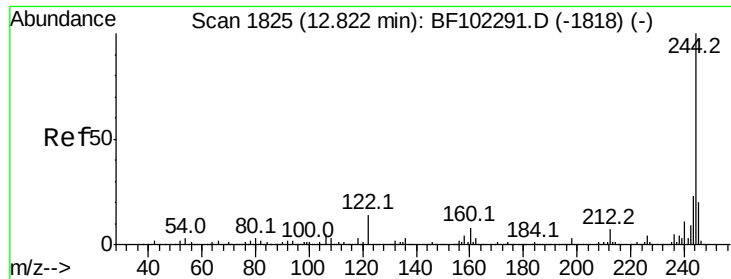


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

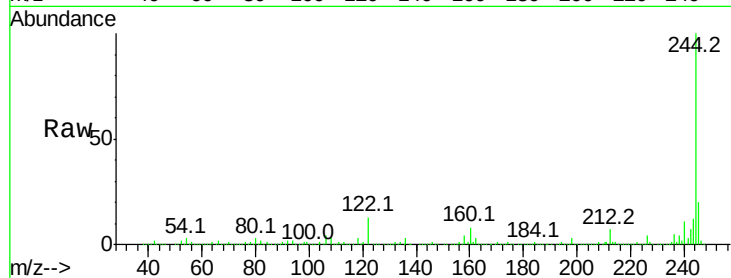




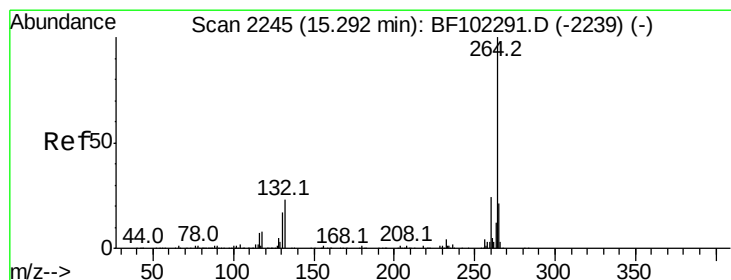
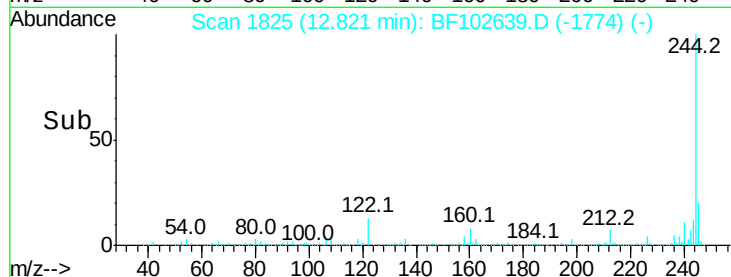
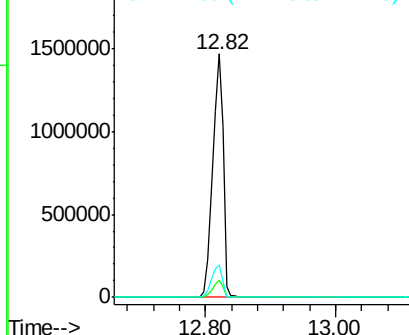
#78
 Terphenyl-d14
 Concen: 87.378 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BF102639.D
 Acq: 30 Jan 2018 15:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1654000
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 13.3 11.0 16.4

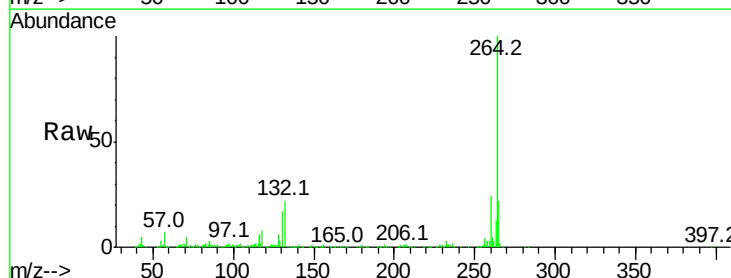


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.00 min
 Lab File: BF102639.D
 Acq: 30 Jan 2018 15:10

Tgt Ion:264 Resp: 328705
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.5 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

