

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102735.D
 Acq On : 5 Feb 2018 14:01
 Operator : SJ/JU
 Sample : J1424-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

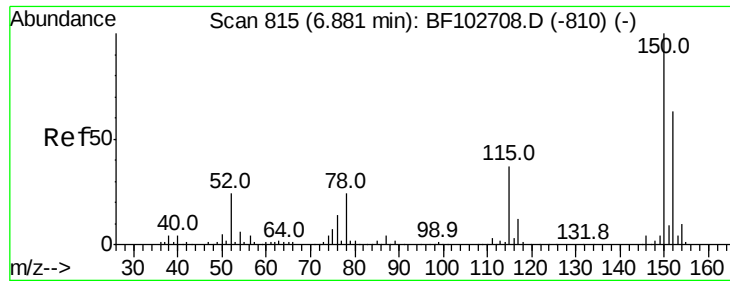
Quant Time: Feb 05 15:58:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	225440	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	920143	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	401726	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	630130	20.00	ng	0.00
75) Chrysene-d12	14.04	240	405899	20.00	ng	-0.01
86) Perylene-d12	15.52	264	377003	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1519719	102.38	ng	0.01
7) Phenol-d6	6.51	99	1831952	102.49	ng	0.00
23) Nitrobenzene-d5	7.45	82	1132185	85.36	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	344012	106.39	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1679446	69.37	ng	0.00
78) Terphenyl-d14	12.99	244	1213088	70.76	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	68920	3.598	ng	89
19) n-Nitroso-di-n-propylamine	7.45	70	153287	13.007	ng	# 83
25) Isophorone	7.45	82	1130425	37.011	ng	# 64
32) Benzoic acid	7.93	122	222	8.566	ng	# 1
47) 2-Nitroaniline	9.46	65	134	3.487	ng	# 2
49) Dimethylphthalate	9.63	163	107958	3.447	ng	99
50) 2,6-Dinitrotoluene	9.92	165	53923	9.048	ng	# 26
55) 4-Nitrophenol	10.02	139	382	4.084	ng	# 1
56) 2,4-Dinitrotoluene	9.92	165	53923	9.390	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	890	9.106	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	22522	3.379	ng	# 1
70) Phenanthrene	11.43	178	78541	2.238	ng	97
74) Fluoranthene	12.62	202	137740	3.901	ng	99
77) Pyrene	12.84	202	138550	4.353	ng	97

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

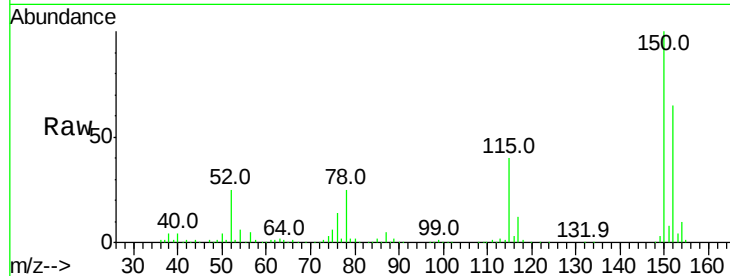


#1

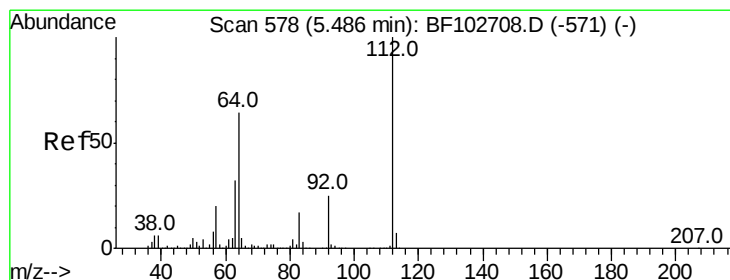
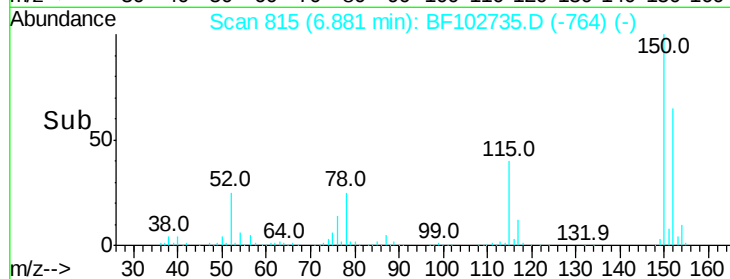
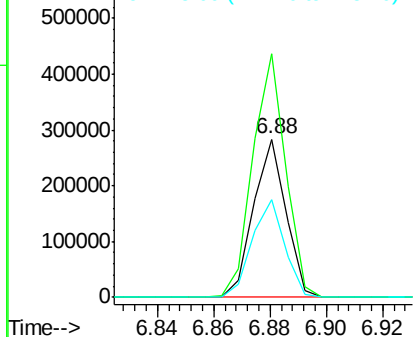
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102735.D
Acq: 5 Feb 2018 14:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 225440
Ion Ratio Lower Upper
152 100
150 154.1 124.6 186.8
115 62.1 50.1 75.1



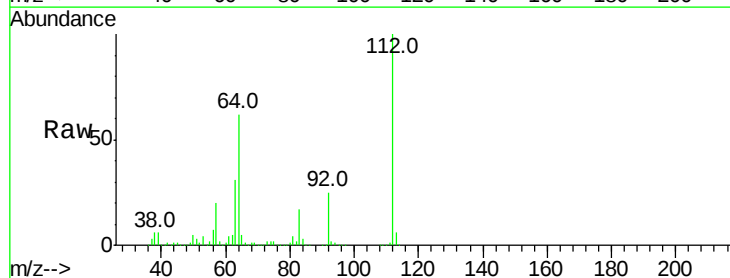
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



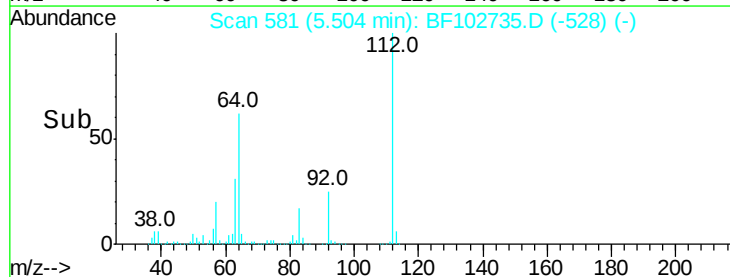
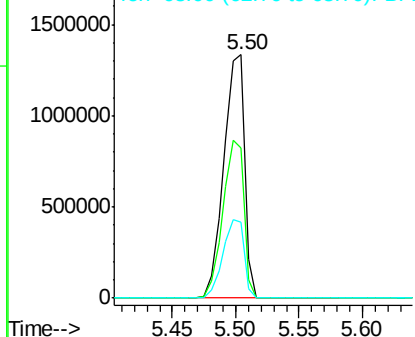
#5

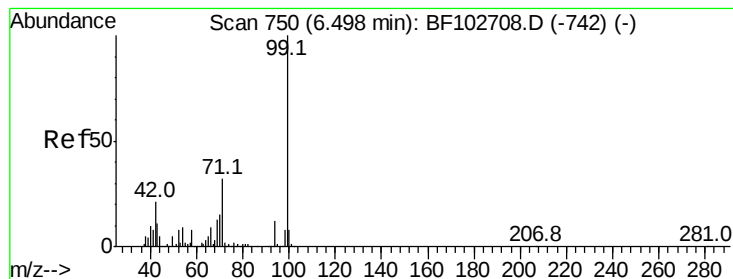
2-Fluorophenol
Concen: 102.375 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102735.D
Acq: 5 Feb 2018 14:01

Tgt Ion:112 Resp: 1519719
Ion Ratio Lower Upper
112 100
64 61.8 47.9 71.9
63 30.9 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: 102.493 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102735.D

Acq: 5 Feb 2018 14:01

Instrument :

BNA_F

ClientSampleId :

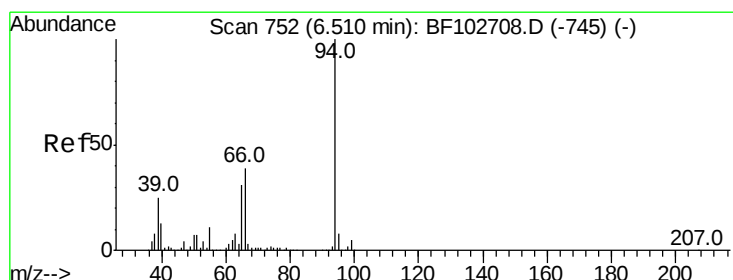
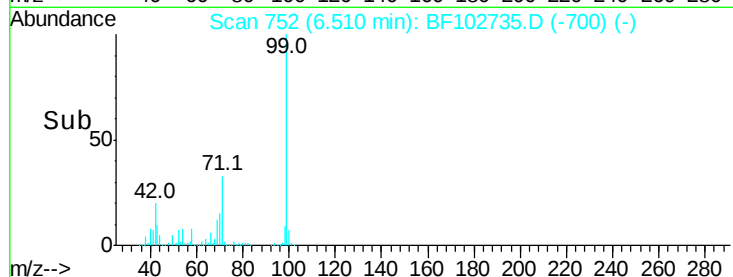
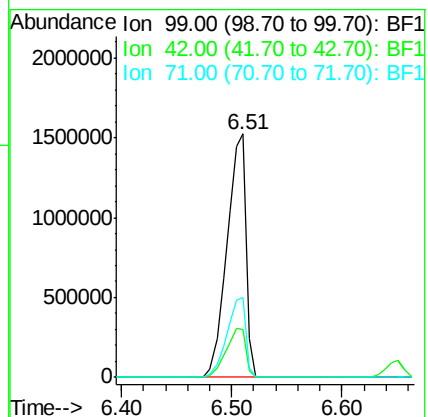
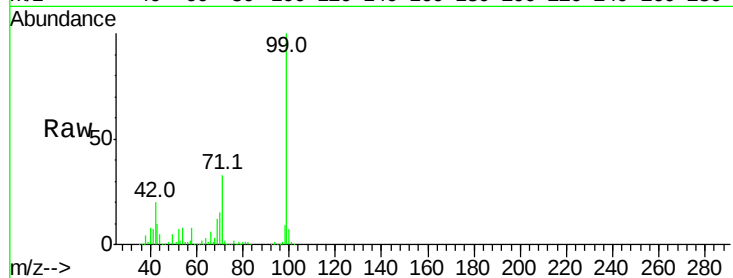
Tot Ion: 99 Resp: 1831952

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

71 32.6 25.4 38.0



#10

Phenol

Concen: 3.598 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102735.D

Acq: 5 Feb 2018 14:01

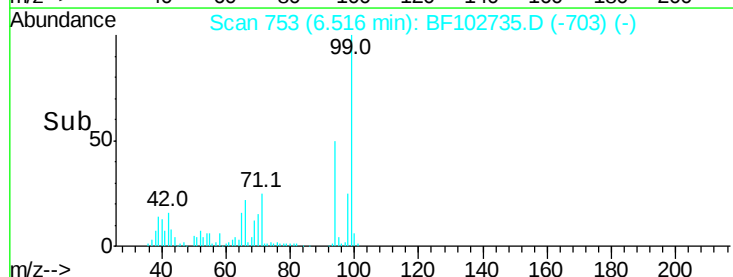
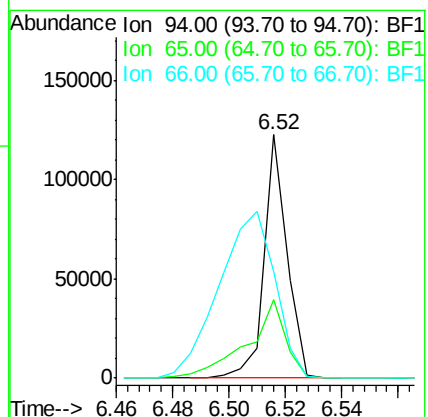
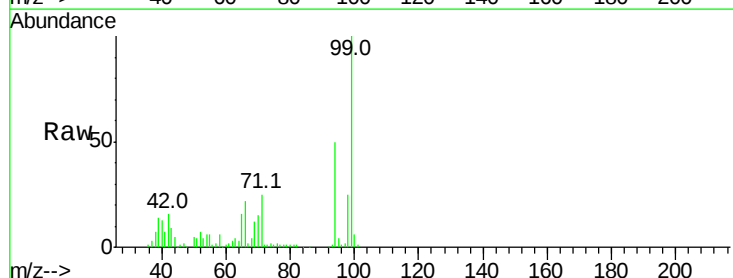
Tgt Ion: 94 Resp: 68920

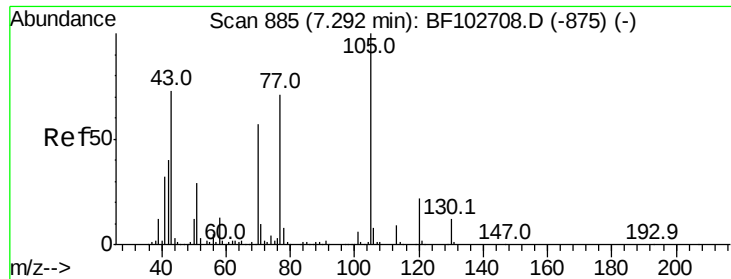
Ion Ratio Lower Upper

94 100

65 32.5 7.9 47.9

66 43.7 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 13.007 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102735.D

Acq: 5 Feb 2018 14:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 153287

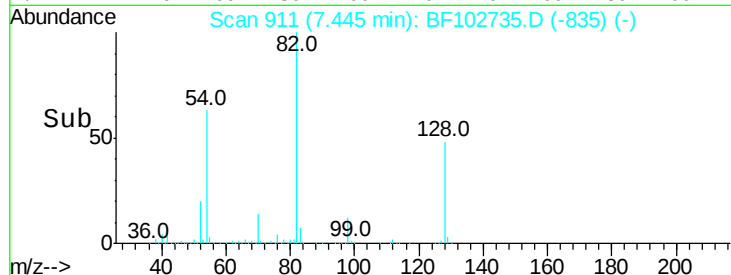
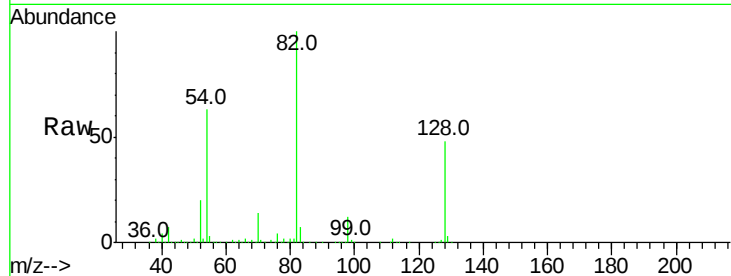
Ion Ratio Lower Upper

70 100

42 53.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

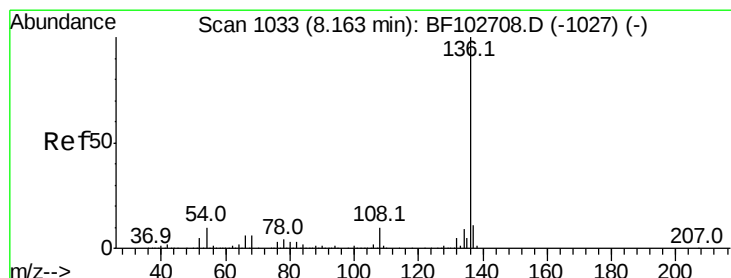
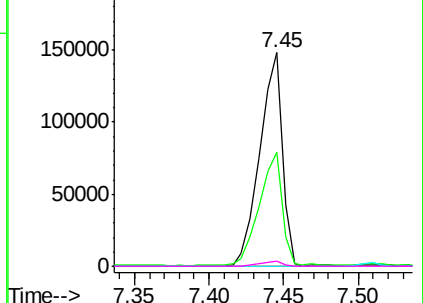


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102735.D

Acq: 5 Feb 2018 14:01

Tgt Ion:136 Resp: 920143

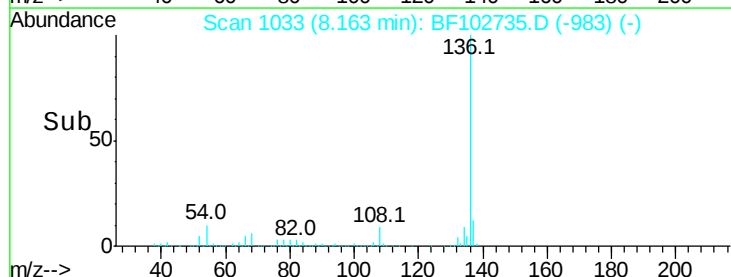
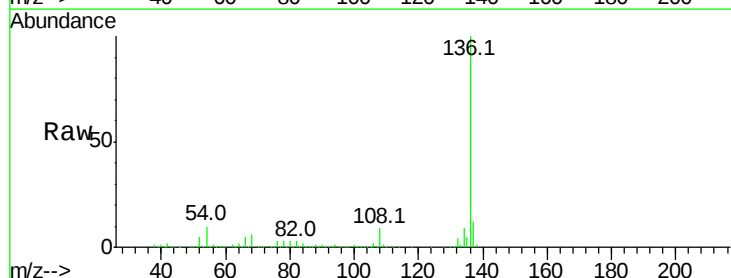
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 9.5 6.6 9.8

68 6.2 5.0 7.4

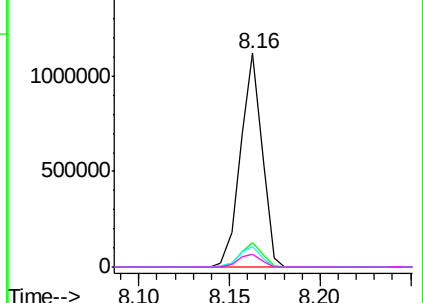


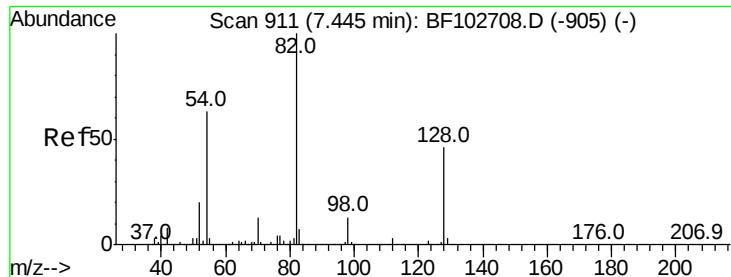
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 85.357 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102735.D

Acq: 5 Feb 2018 14:01

Instrument :

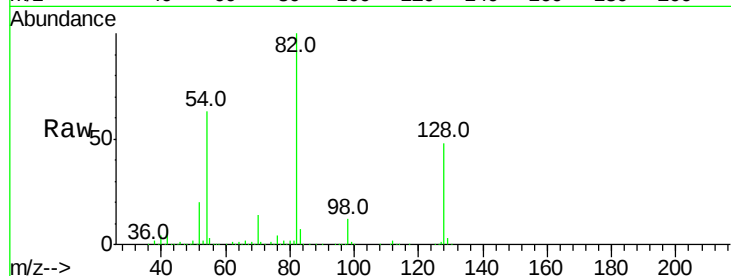
BNA_F

ClientSampleId :

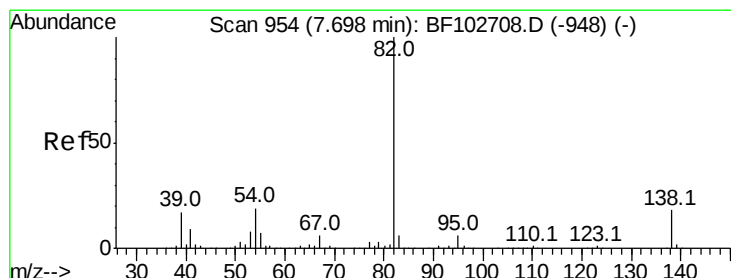
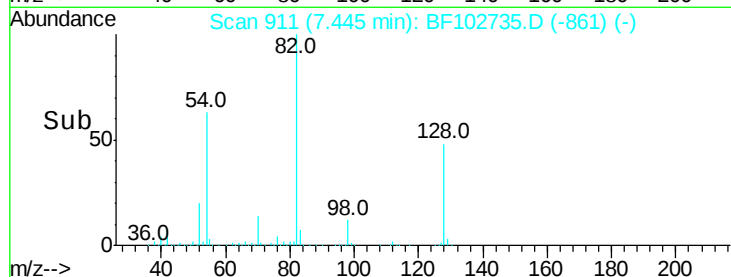
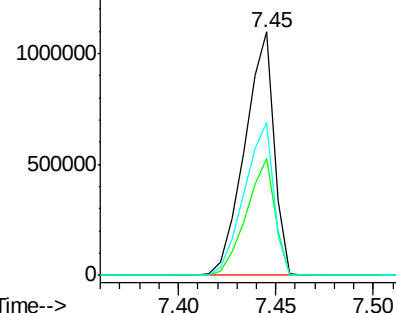
Tot Ion: 82 Resp: 1132185

Ion Ratio Lower Upper

82	100		
128	47.9	36.1	54.1
54	62.8	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: 37.011 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

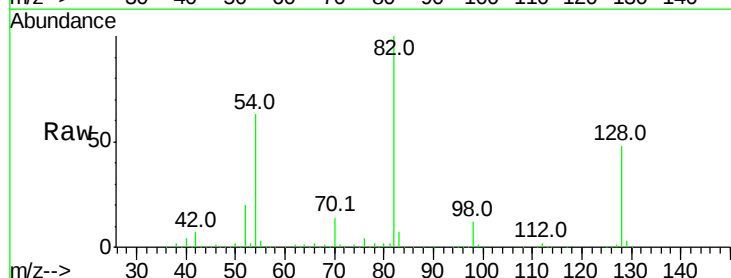
Lab File: BF102735.D

Acq: 5 Feb 2018 14:01

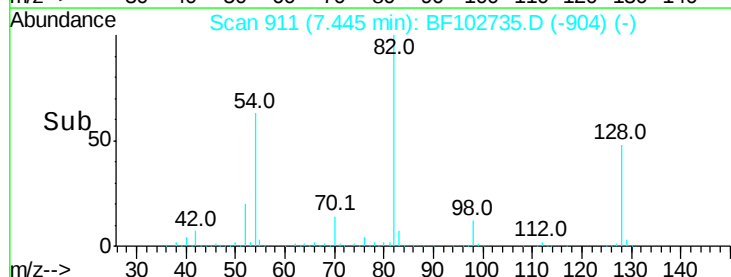
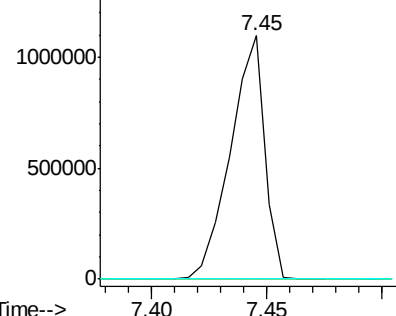
Tgt Ion: 82 Resp: 1130425

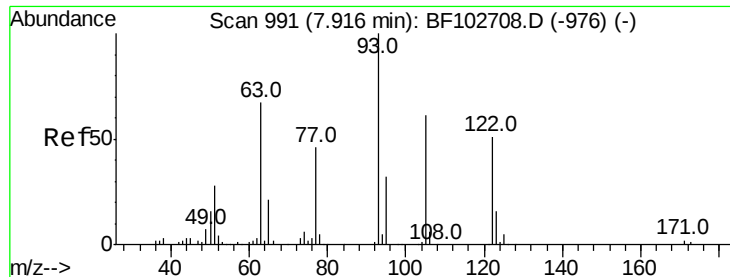
Ion Ratio Lower Upper

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





#32

Benzoic acid

Concen: 8.566 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.00 min

Lab File: BF102735.D

Acq: 5 Feb 2018 14:01

Instrument :

BNA_F

ClientSampleId :

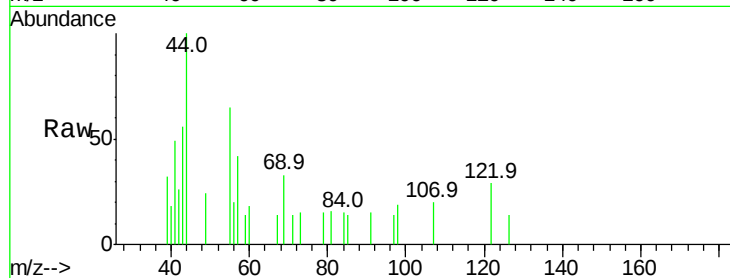
Tot Ion:122 Resp: 222

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

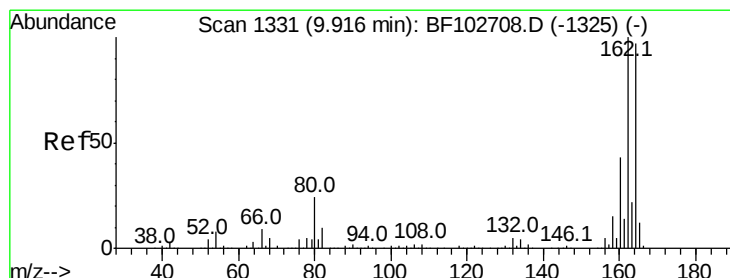
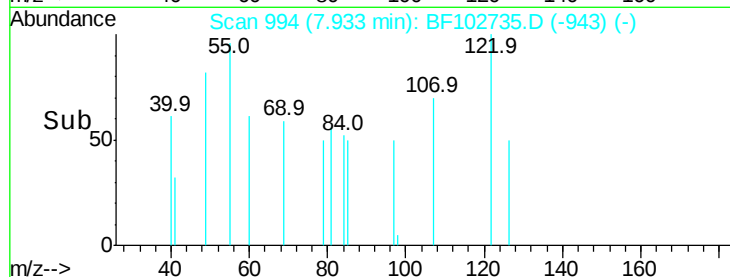
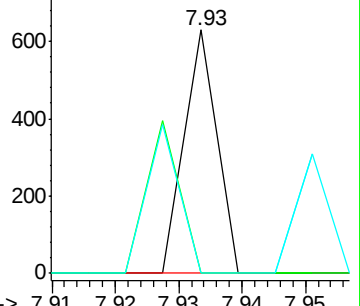
77 0.0 70.7 110.7#



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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF102735.D

Acq: 5 Feb 2018 14:01

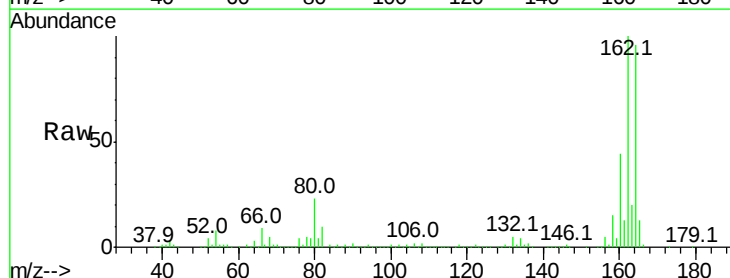
Tgt Ion:164 Resp: 401726

Ion Ratio Lower Upper

164 100

162 104.6 86.1 129.1

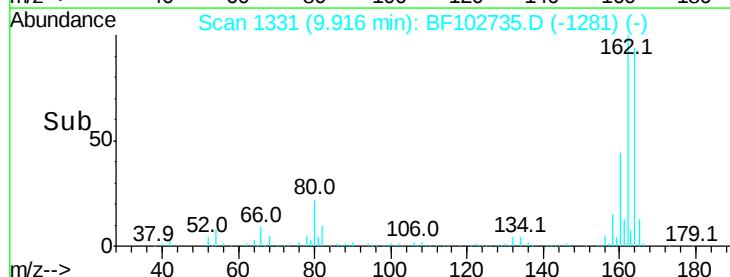
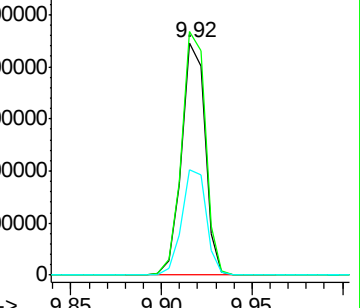
160 45.5 38.3 57.5

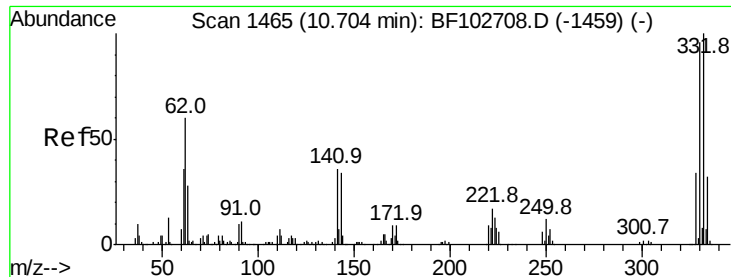


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

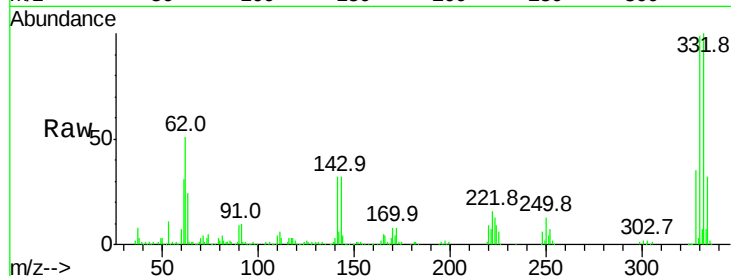




#41
 2,4,6-Tribromophenol
 Concen: 106.392 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF102735.D
 Acq: 5 Feb 2018 14:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.4	77.0	115.6
141	38.1	29.9	44.9

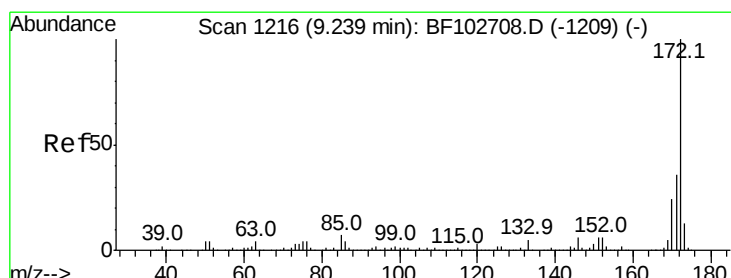
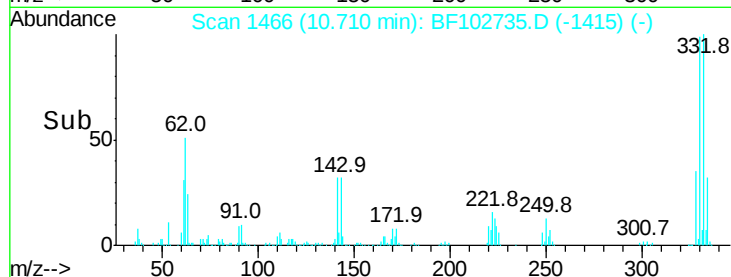
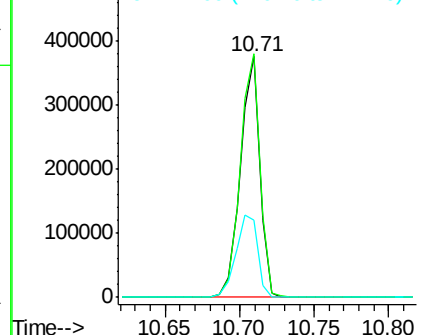


Abundance

Ion 329.80 (329.50 to 330.50): E

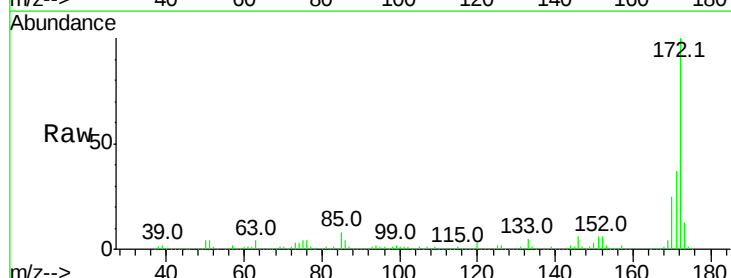
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 69.371 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102735.D
 Acq: 5 Feb 2018 14:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.6	19.6	29.4

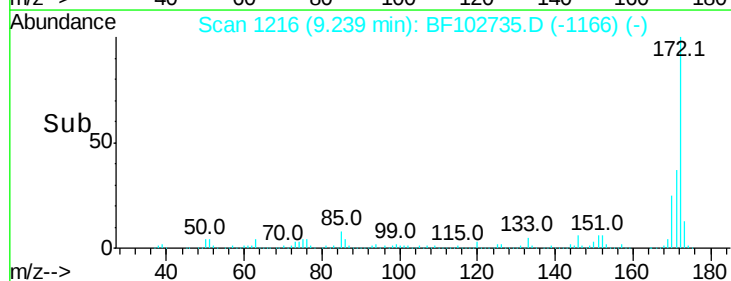
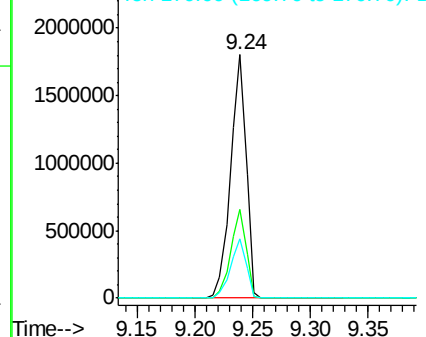


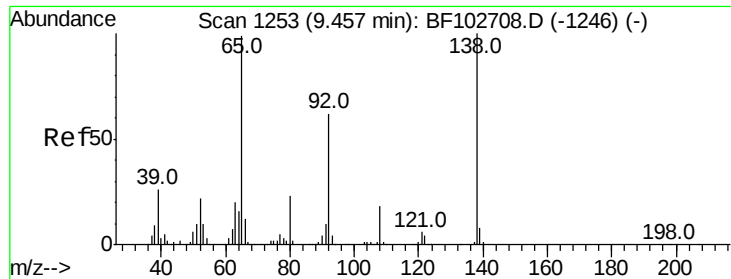
Abundance

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

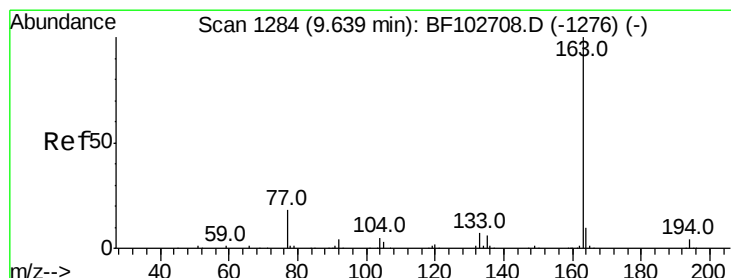
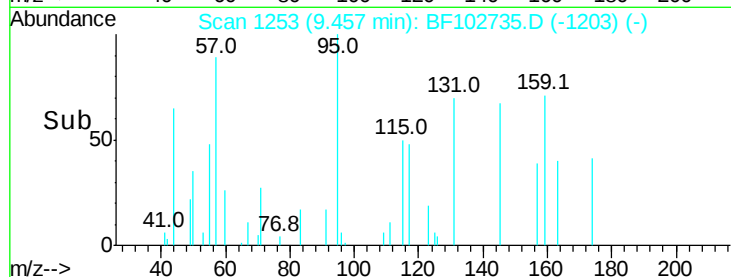
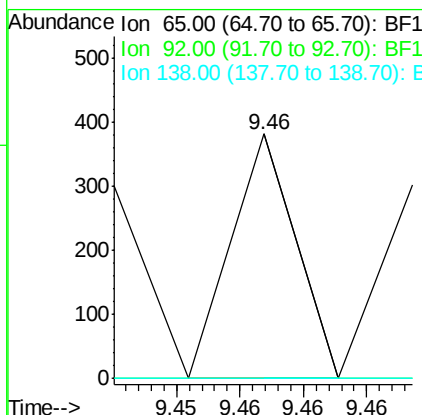
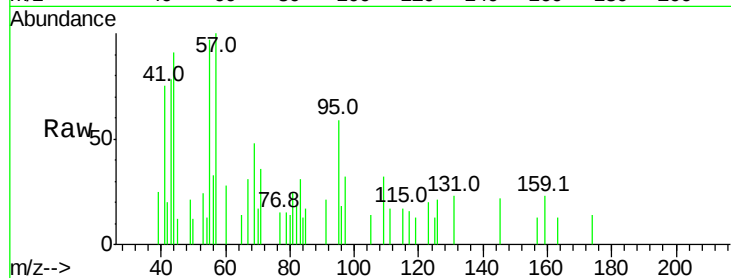




#47
2-Nitroaniline
Concen: 3.487 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF102735.D
Acq: 5 Feb 2018 14:01

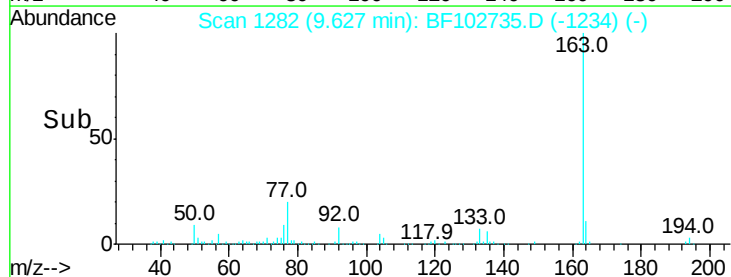
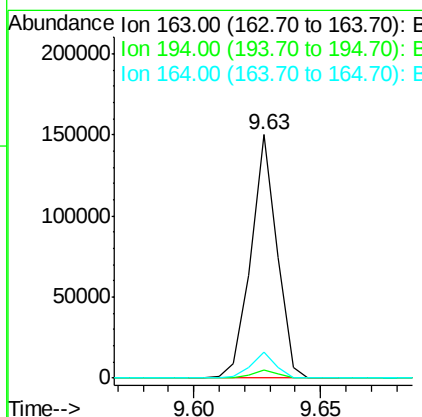
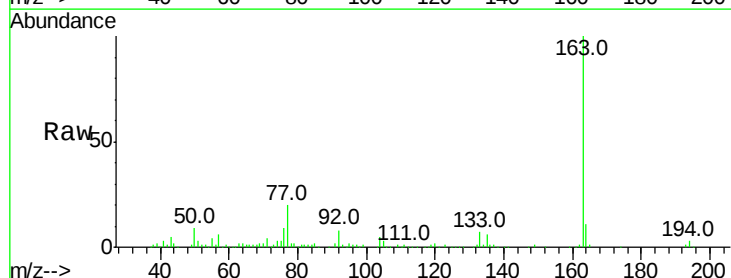
Instrument :
BNA_F
ClientSampleId :

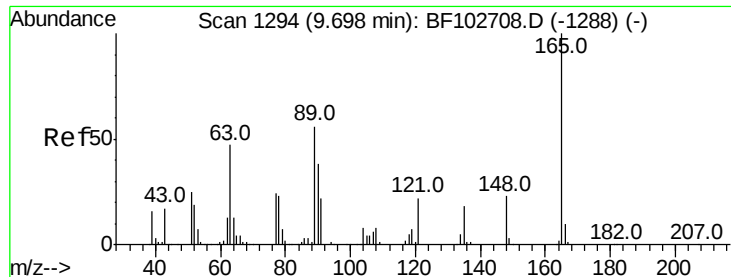
Tot Ion: 65 Resp: 134
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 3.447 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF102735.D
Acq: 5 Feb 2018 14:01

Tgt Ion: 163 Resp: 107958
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.7 8.2 12.2

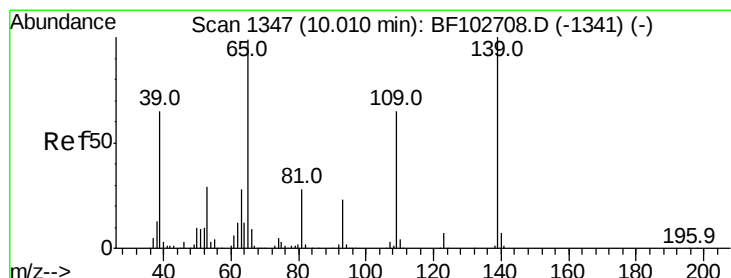
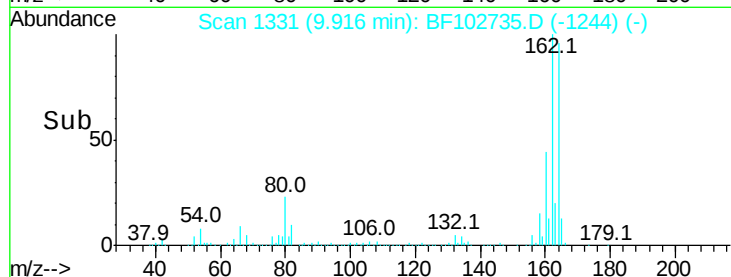
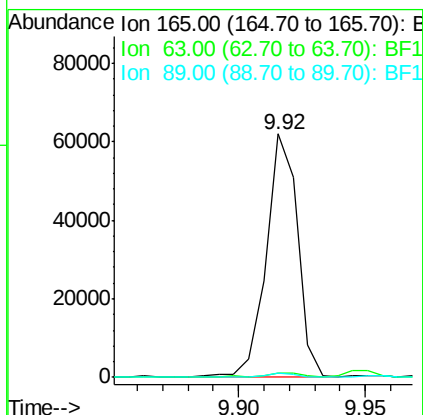
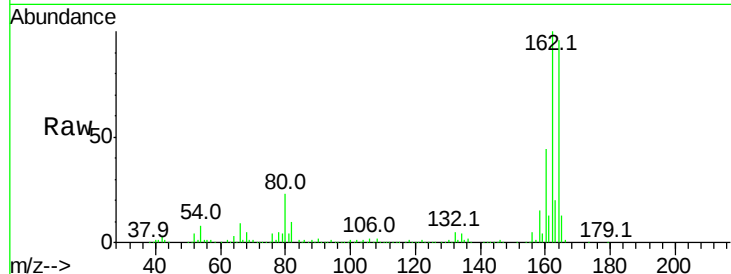




#50
 2,6-Dinitrotoluene
 Concen: 9.048 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF102735.D
 Acq: 5 Feb 2018 14:01

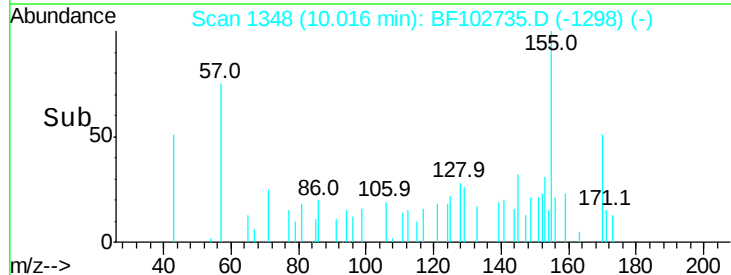
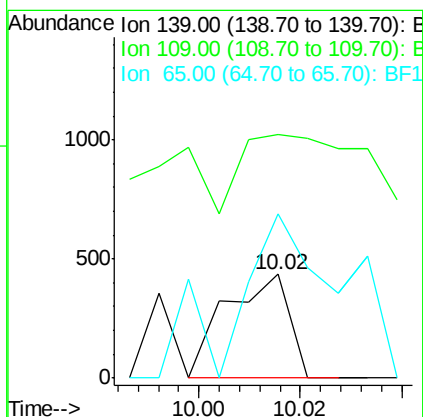
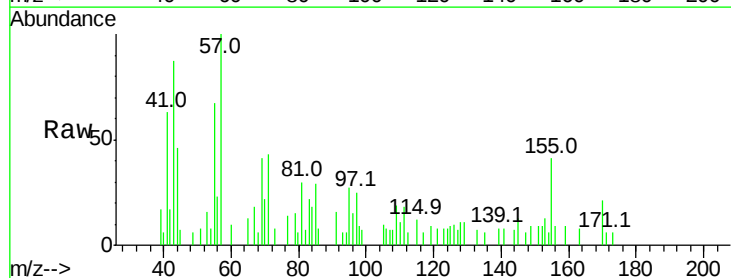
Instrument :
 BNA_F
 ClientSampleId :

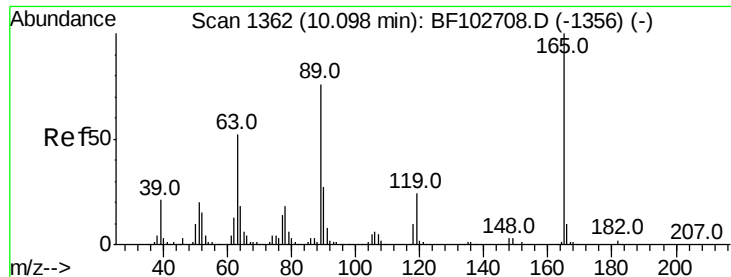
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.5	44.0	66.0#



#55
 4-Nitrophenol
 Concen: 4.084 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF102735.D
 Acq: 5 Feb 2018 14:01

Tgt Ion	Ratio	Lower	Upper
139	100		
109	234.9	48.4	88.4#
65	158.6	72.6	112.6#

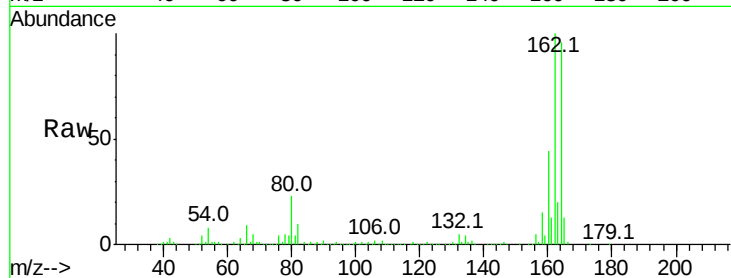




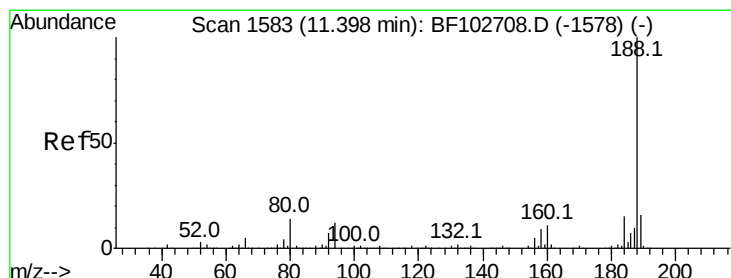
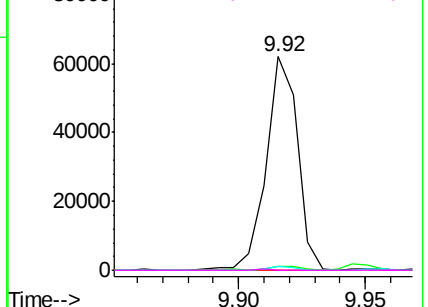
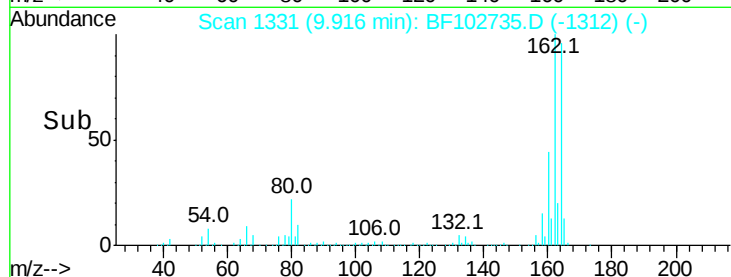
#56
 2,4-Dinitrotoluene
 Concen: 9.390 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF102735.D
 Acq: 5 Feb 2018 14:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 53923
 Ion Ratio Lower Upper
 165 100
 63 1.6 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#

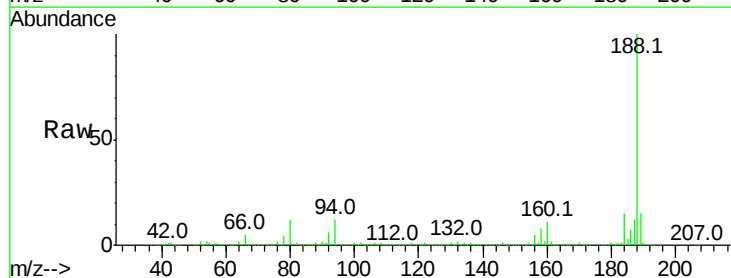


Abundance Ion 165.00 (164.70 to 165.70): E

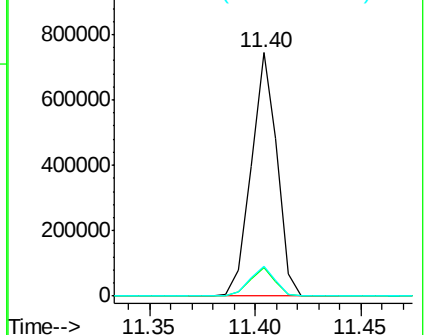
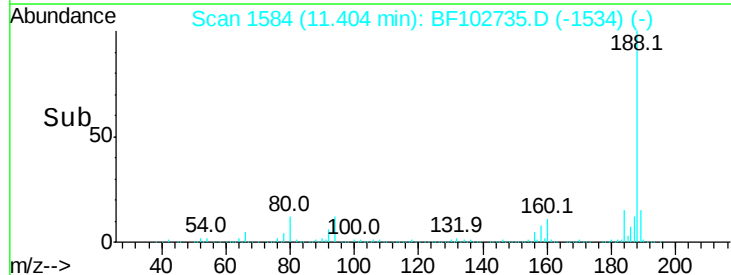


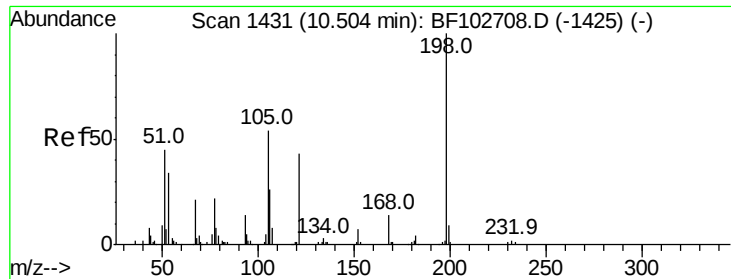
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102735.D
 Acq: 5 Feb 2018 14:01

Tgt Ion:188 Resp: 630130
 Ion Ratio Lower Upper
 188 100
 94 11.7 8.5 12.7
 80 12.0 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

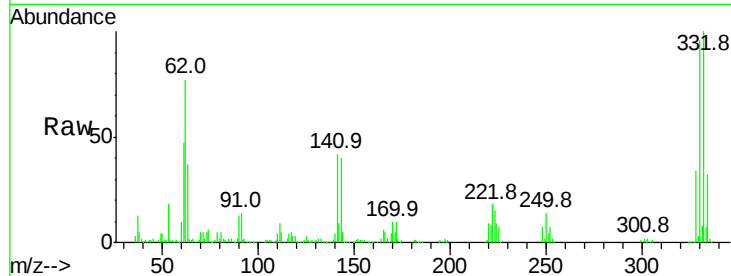




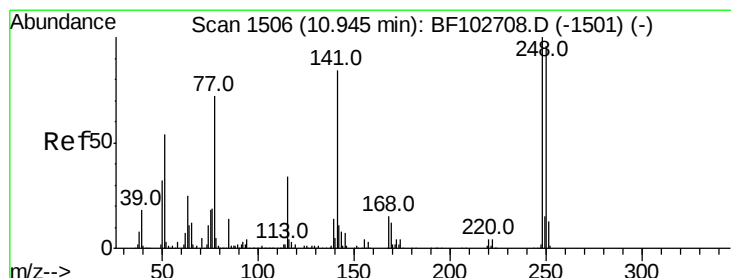
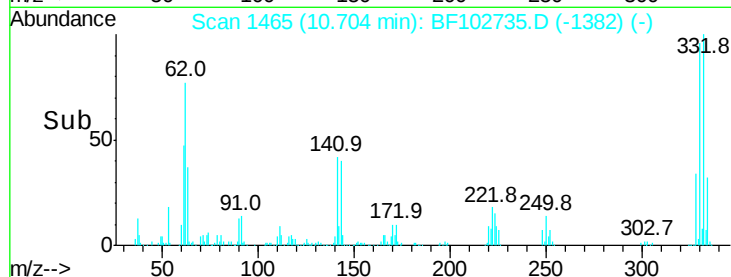
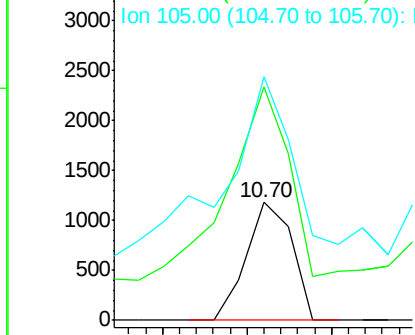
#64
4,6-Dinitro-2-methylphenol
Concen: 9.106 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.19 min
Lab File: BF102735.D
Acq: 5 Feb 2018 14:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 890
Ion Ratio Lower Upper
198 100
51 198.9 37.7 77.7#
105 207.0 36.3 76.3#

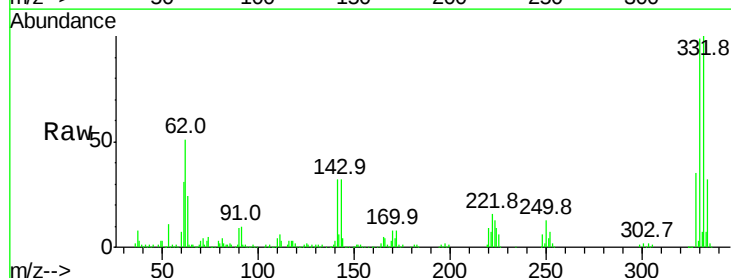


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

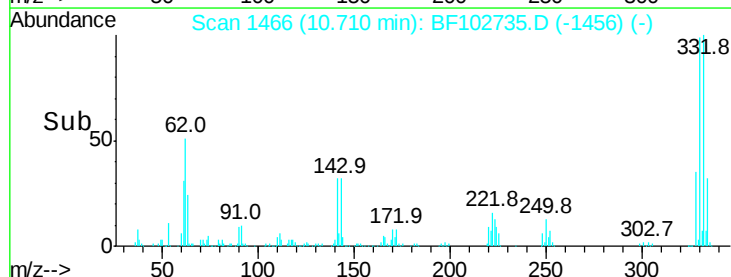
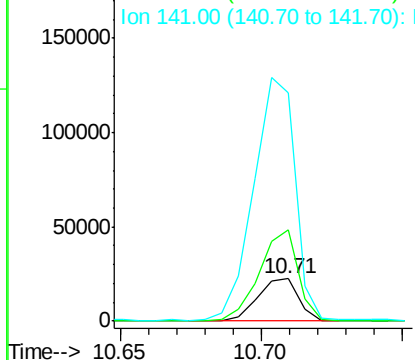


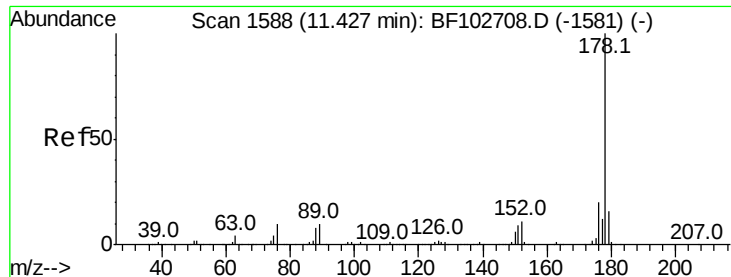
#66
4-Bromophenyl-phenylether
Concen: 3.379 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF102735.D
Acq: 5 Feb 2018 14:01

Tgt Ion:248 Resp: 22522
Ion Ratio Lower Upper
248 100
250 215.0 76.9 115.3#
141 536.0 74.4 111.6#



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





#70

Phenanthrene

Concen: 2.238 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF102735.D

Acq: 5 Feb 2018 14:01

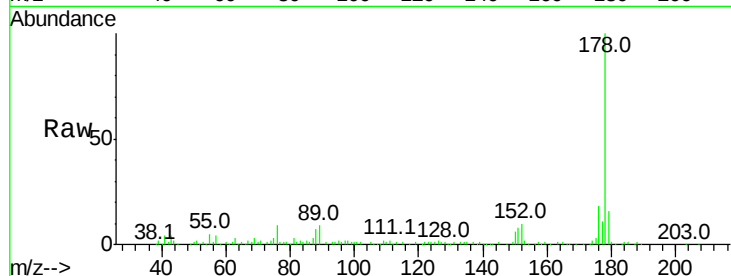
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 78541

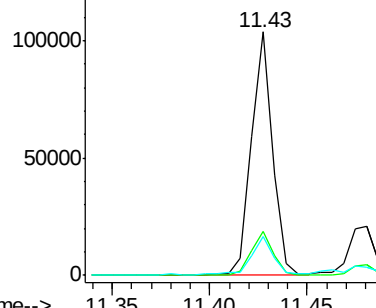
Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	15.9	13.0	19.6



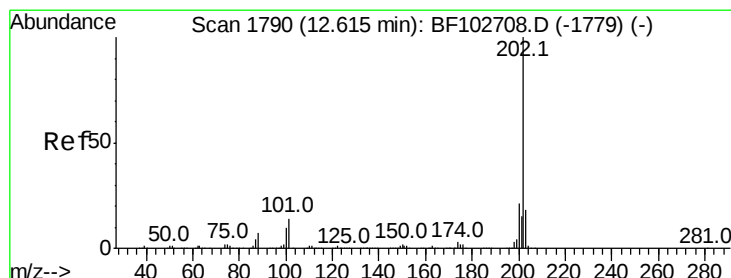
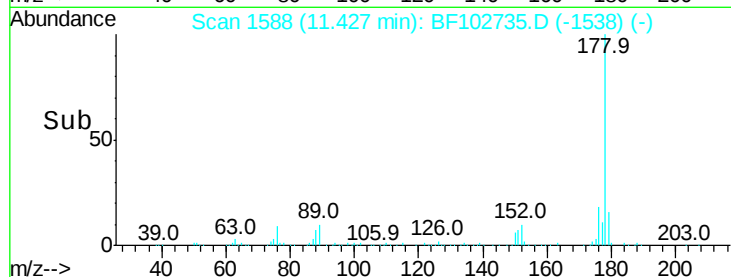
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 3.901 ng

RT: 12.62 min Scan# 1790

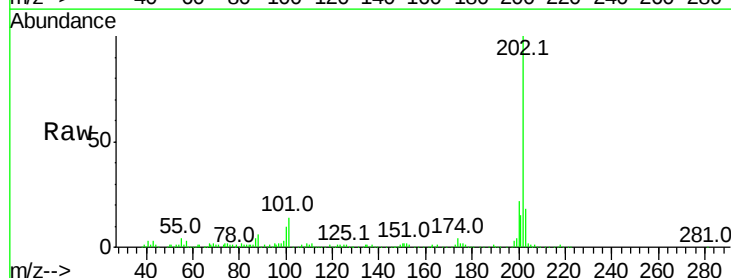
Delta R.T. -0.01 min

Lab File: BF102735.D

Acq: 5 Feb 2018 14:01

Tgt Ion:202 Resp: 137740

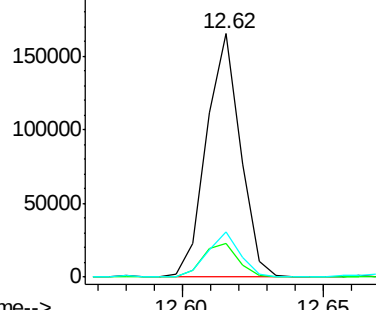
Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	18.4	0.0	38.1



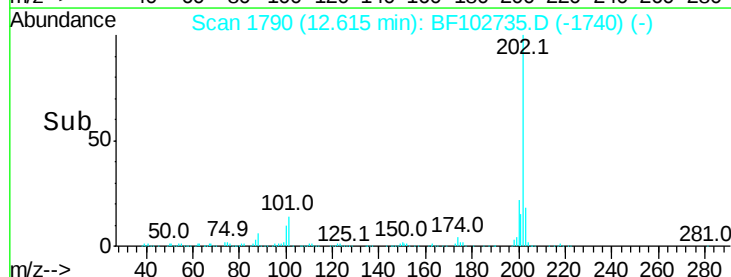
Abundance Ion 202.00 (201.70 to 202.70): E

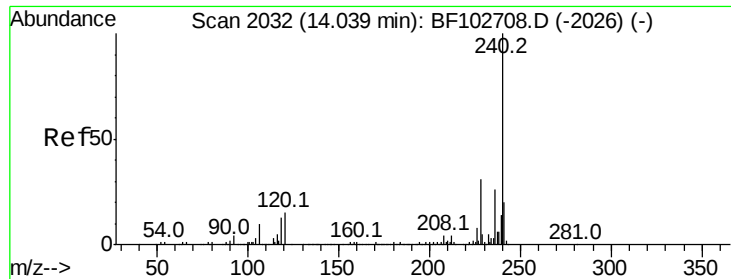
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF102735.D

Acq: 5 Feb 2018 14:01

Instrument :

BNA_F

ClientSampleId :

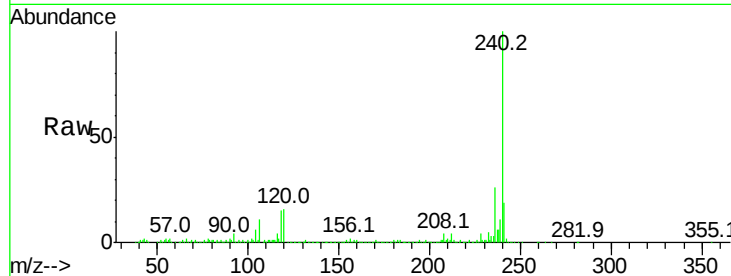
Tot Ion:240 Resp: 405899

Ion Ratio Lower Upper

240 100

120 16.5 9.5 14.3#

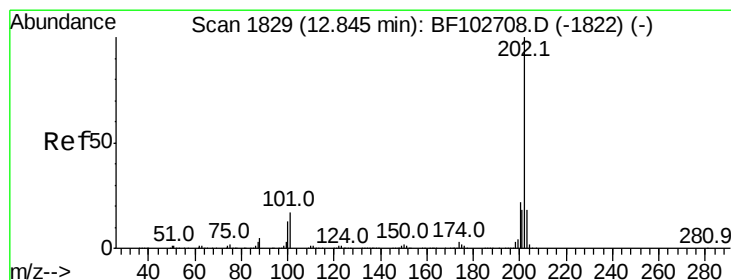
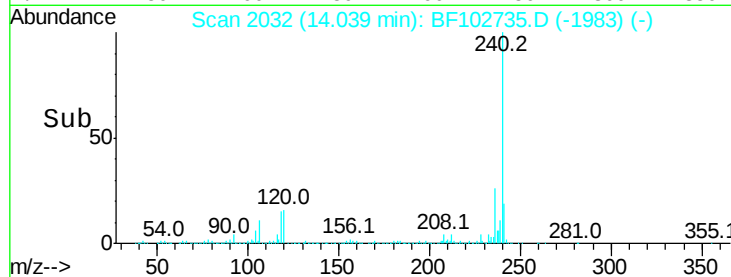
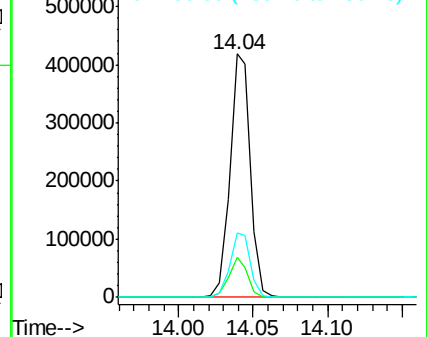
236 26.4 20.7 31.1



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



#77

Pyrene

Concen: 4.353 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF102735.D

Acq: 5 Feb 2018 14:01

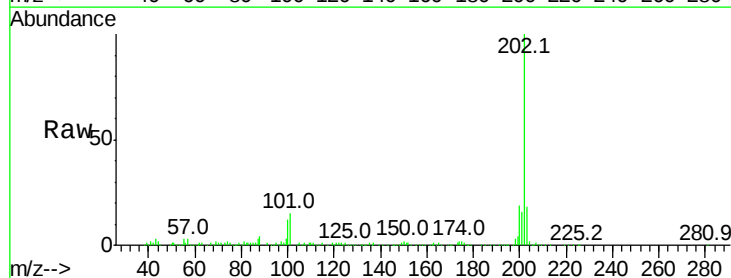
Tgt Ion:202 Resp: 138550

Ion Ratio Lower Upper

202 100

200 19.5 17.4 26.2

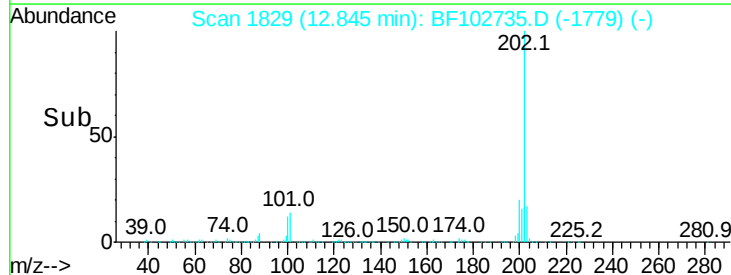
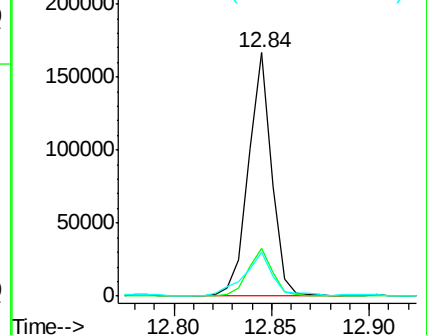
203 17.8 14.3 21.5

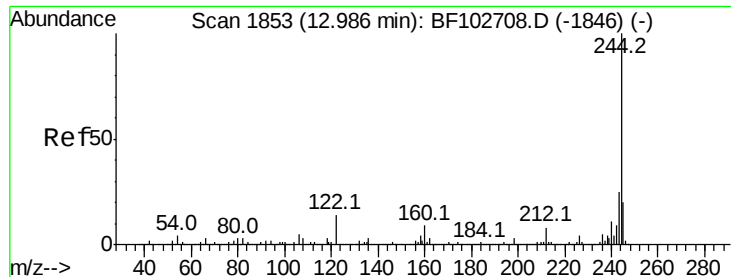


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 70.764 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102735.D

Acq: 5 Feb 2018 14:01

Instrument :

BNA_F

ClientSampleId :

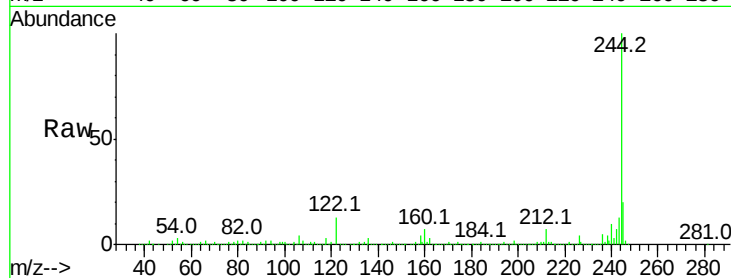
Tot Ion:244 Resp: 1213088

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

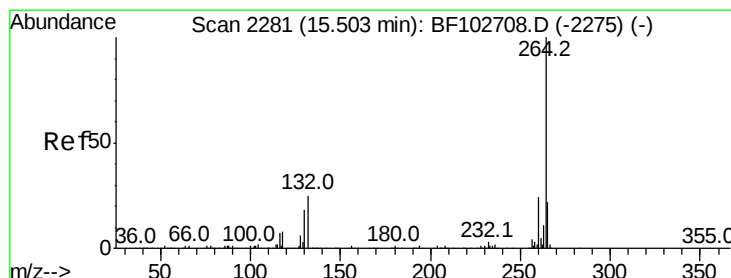
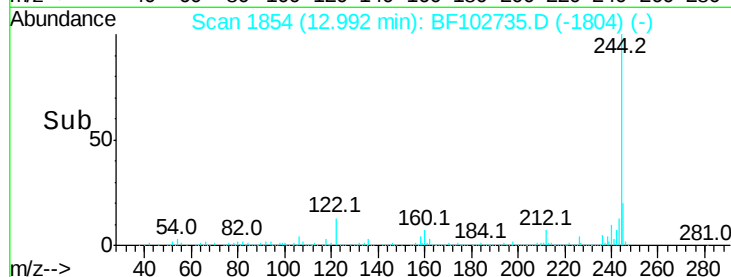
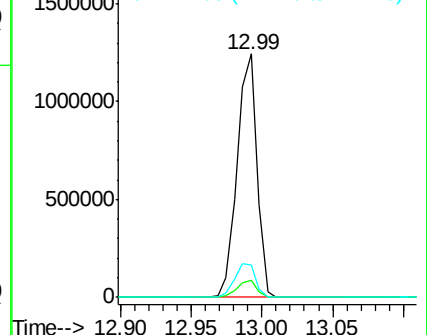
122 13.2 11.0 16.4



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: 15.52 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF102735.D

Acq: 5 Feb 2018 14:01

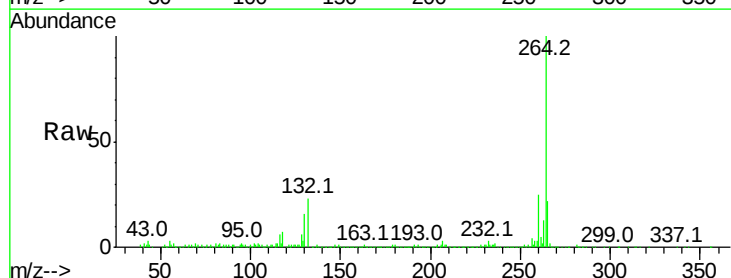
Tgt Ion:264 Resp: 377003

Ion Ratio Lower Upper

264 100

260 24.6 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

