

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106345.D
 Acq On : 12 Jun 2018 15:33
 Operator : JU/SJ
 Sample : J3245-05 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

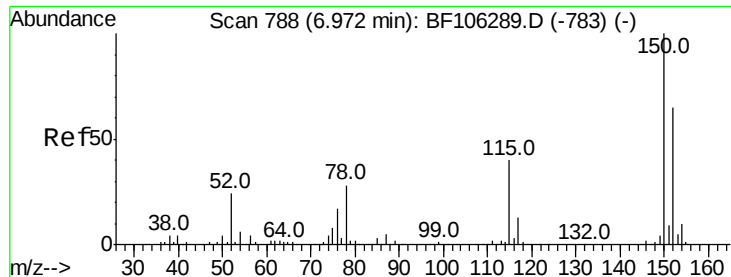
Quant Time: Jun 13 01:08:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	150840	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	505574	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	200061	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	407096	20.00	ng	0.00
75) Chrysene-d12	14.16	240	499547	20.00	ng	0.00
86) Perylene-d12	15.71	264	389942	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	391952	43.98	ng	0.00
7) Phenol-d6	6.59	99	449846	39.95	ng	0.00
23) Nitrobenzene-d5	7.53	82	271302	31.57	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	91122	47.34	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	433630	28.55	ng	0.00
78) Terphenyl-d14	13.08	244	564744	28.08	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	35902	4.250	ng	# 78
25) Isophorone	7.53	82	271298	16.162	ng	# 64
32) Benzoic acid	7.93	122	645	7.393	ng	92
49) Dimethylphthalate	9.72	163	65982	4.616	ng	99
56) 2,4-Dinitrotoluene	10.01	165	24416	6.659	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.79	198	125	6.344	ng	# 1
74) Fluoranthene	12.72	202	76800	3.612	ng	95
77) Pyrene	12.95	202	77694	2.484	ng	99
82) Chrysene	14.18	228	59178	2.180	ng	96
83) Bis(2-ethylhexyl)phthalate	14.12	149	38849	2.314	ng	# 98
87) Benzo(b)fluoranthene	15.25	252	87471	3.711	ng	# 93
88) Benzo(k)fluoranthene	15.25	252	87471	3.747	ng	# 96

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

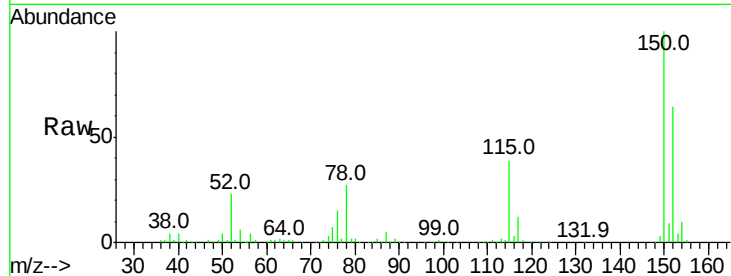


#1

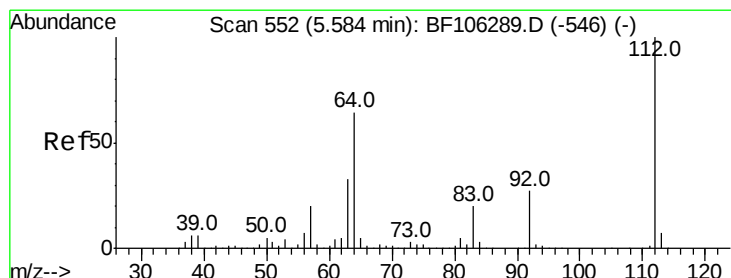
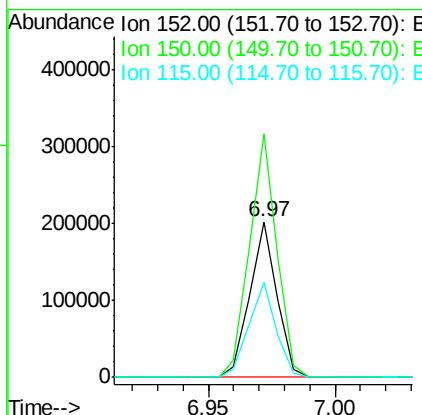
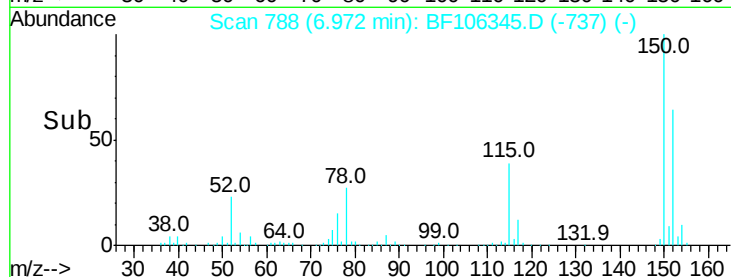
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF106345.D
Acq: 12 Jun 2018 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 150840
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 61.5 50.1 75.1



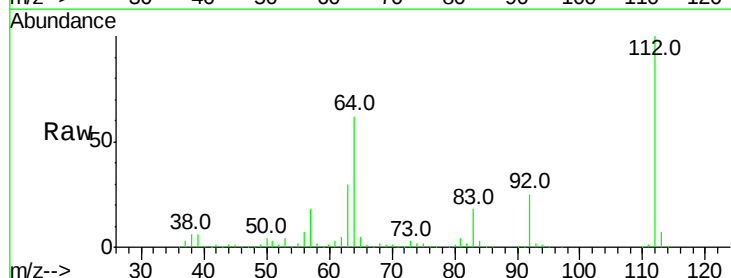
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



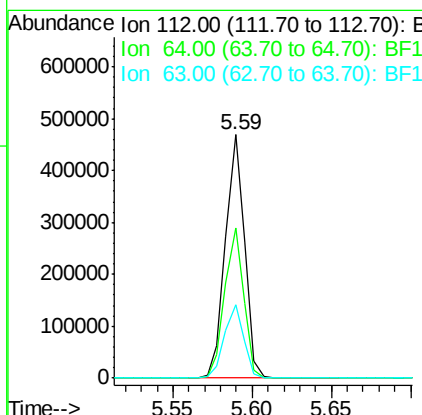
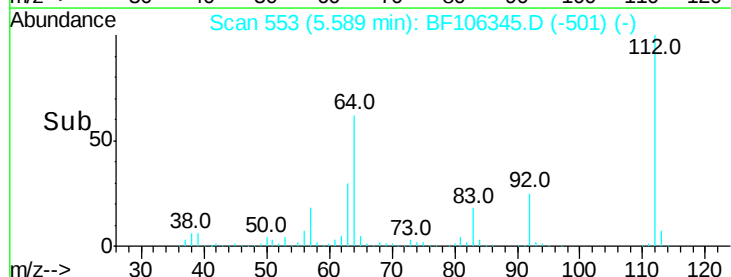
#5

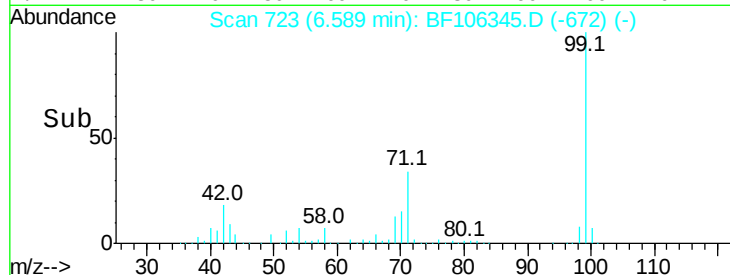
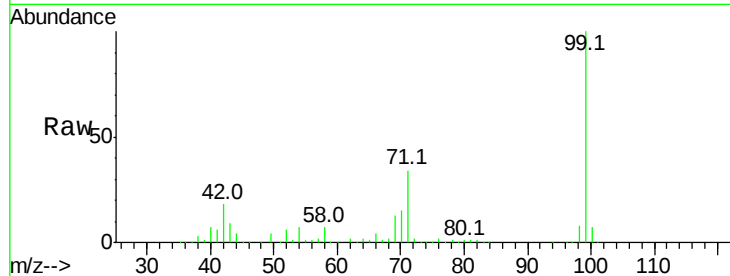
2-Fluorophenol
Concen: 43.979 ng
RT: 5.59 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF106345.D
Acq: 12 Jun 2018 15:33

Tgt Ion:112 Resp: 391952
Ion Ratio Lower Upper
112 100
64 61.6 47.9 71.9
63 30.4 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: 39.951 ng

RT: 6.59 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF106345.D

Acq: 12 Jun 2018 15:33

Instrument :

BNA_F

ClientSampleId :

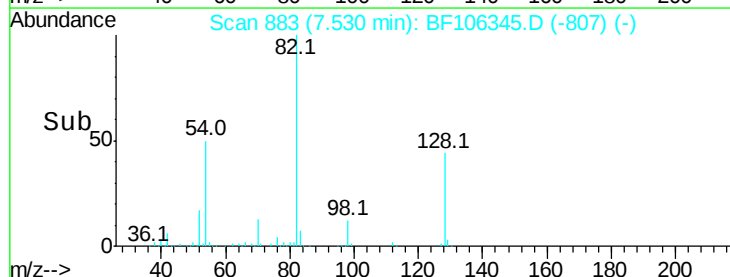
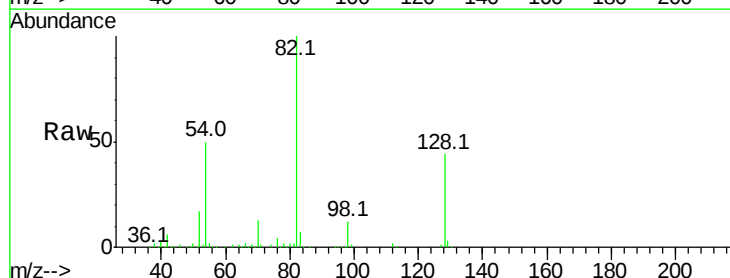
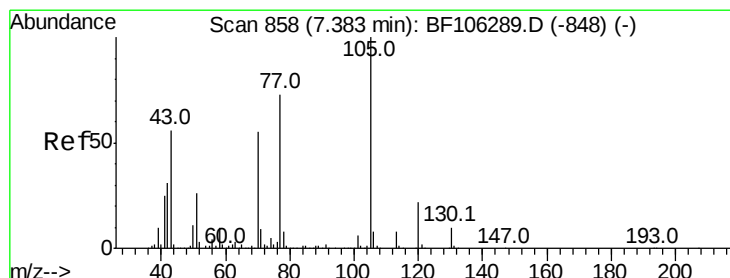
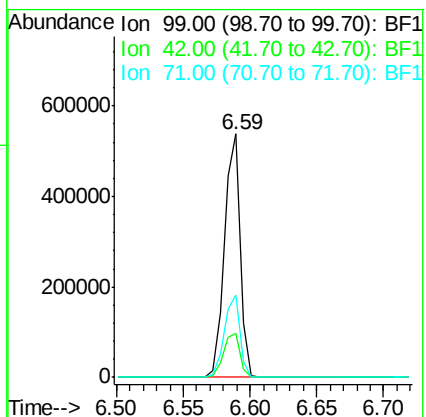
Tot Ion: 99 Resp: 449846

Ion Ratio Lower Upper

99 100

42 17.8 14.5 21.7

71 33.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.250 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF106345.D

Acq: 12 Jun 2018 15:33

Tgt Ion: 70 Resp: 35902

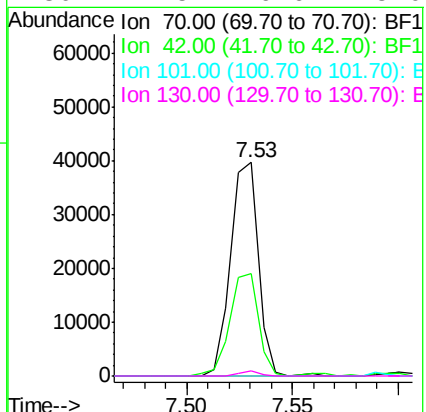
Ion Ratio Lower Upper

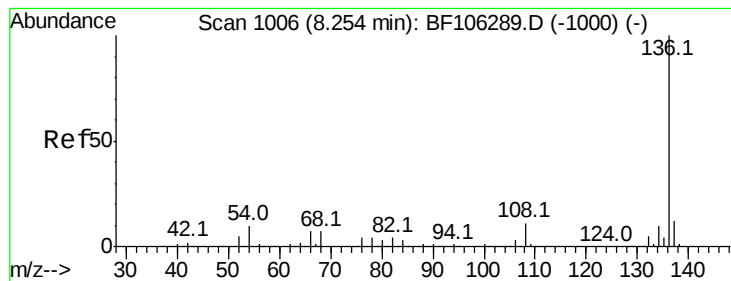
70 100

42 47.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BF106345.D

Acq: 12 Jun 2018 15:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 505574

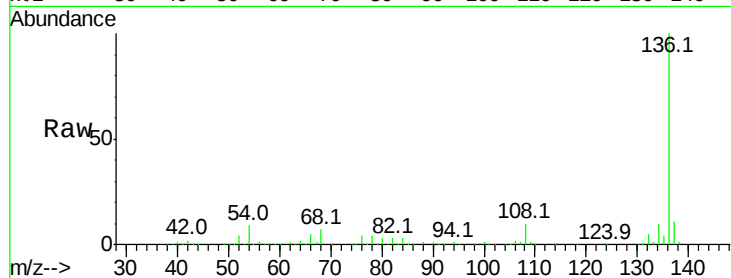
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.6 6.6 9.8

68 6.6 5.0 7.4

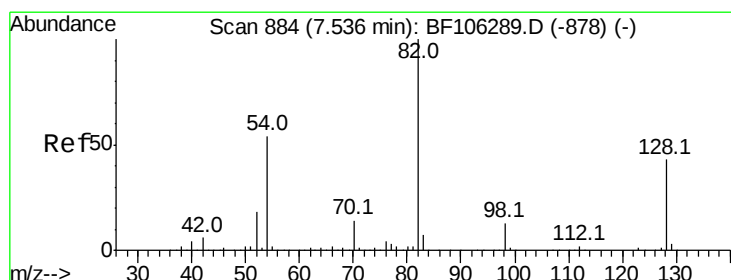
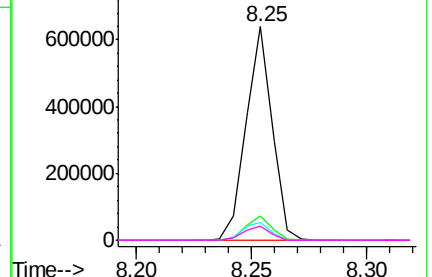
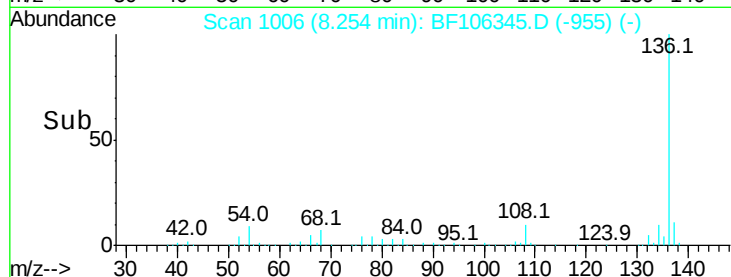


Abundance Ion 136.00 (135.70 to 136.70): E

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: 31.569 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF106345.D

Acq: 12 Jun 2018 15:33

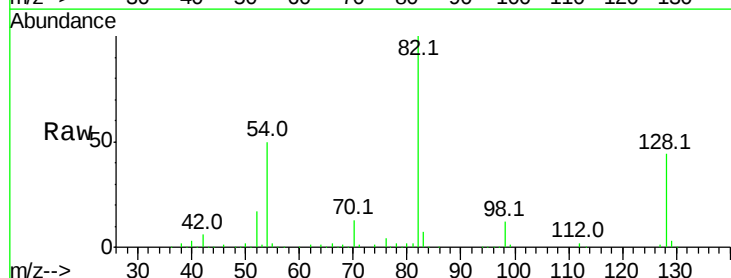
Tgt Ion: 82 Resp: 271302

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

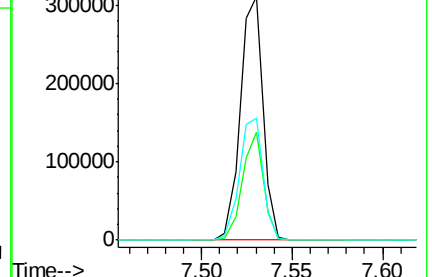
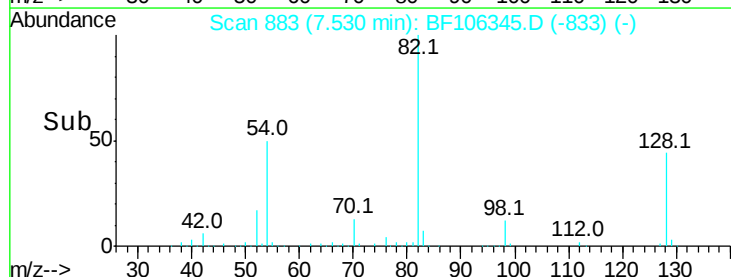
54 50.3 41.4 62.2

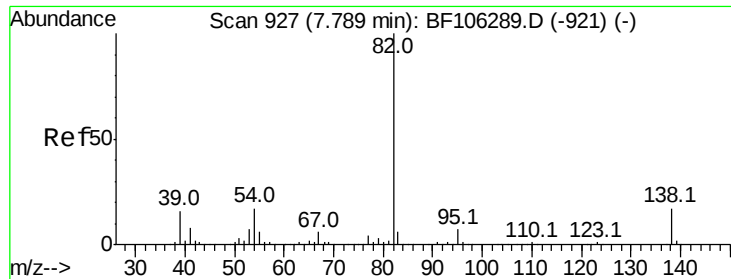


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.162 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF106345.D

Acq: 12 Jun 2018 15:33

Instrument :

BNA_F

ClientSampleId :

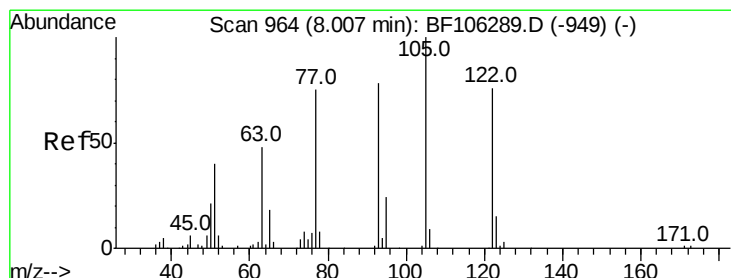
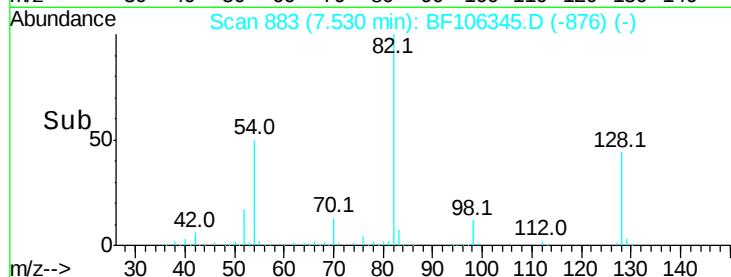
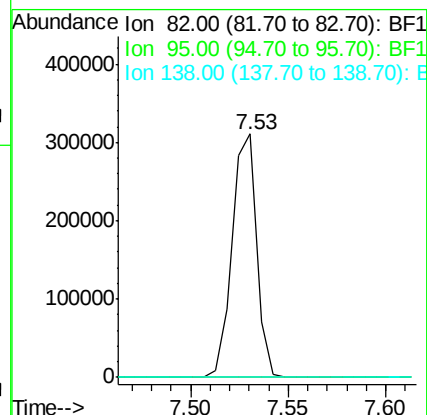
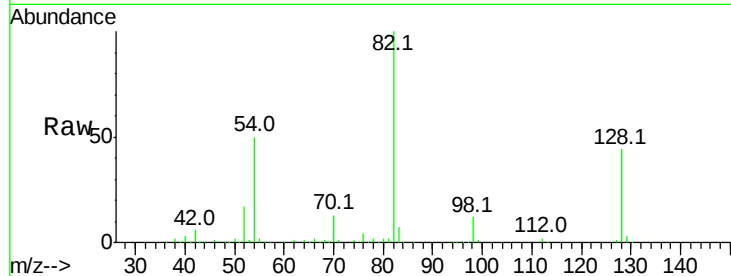
Tot Ion: 82 Resp: 271298

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 7.393 ng

RT: 7.93 min Scan# 951

Delta R.T. -0.08 min

Lab File: BF106345.D

Acq: 12 Jun 2018 15:33

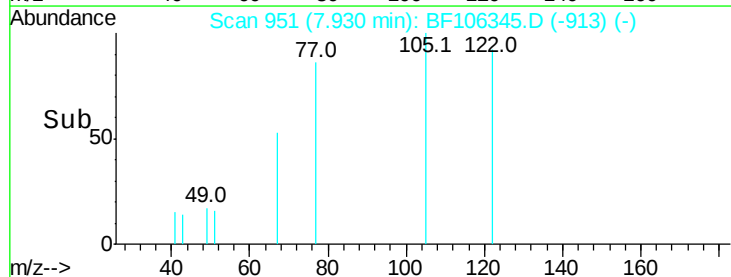
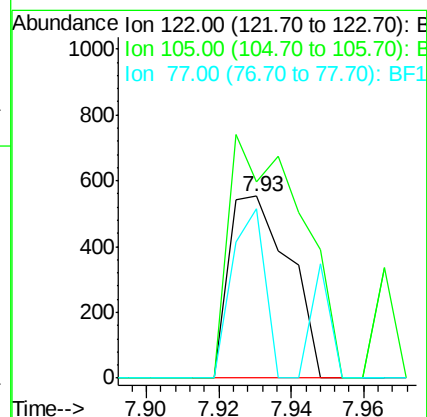
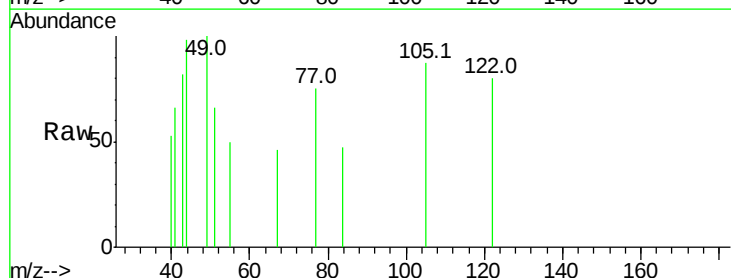
Tgt Ion: 122 Resp: 645

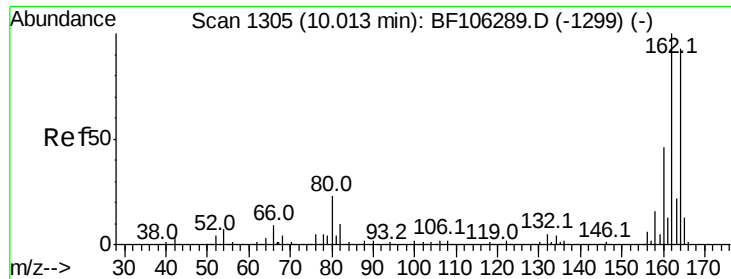
Ion Ratio Lower Upper

122 100

105 108.3 101.1 141.1

77 93.5 70.7 110.7

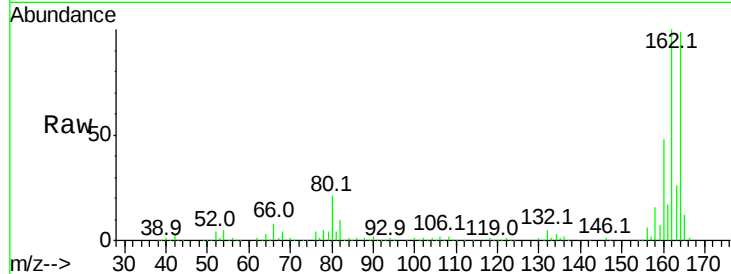




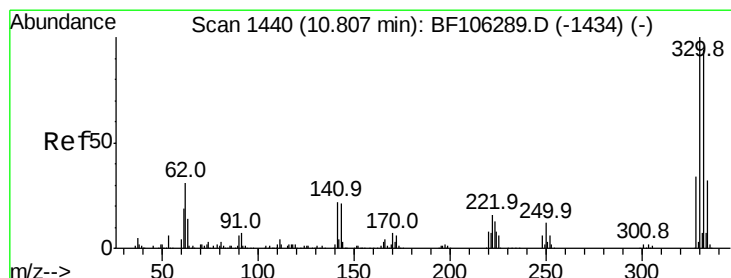
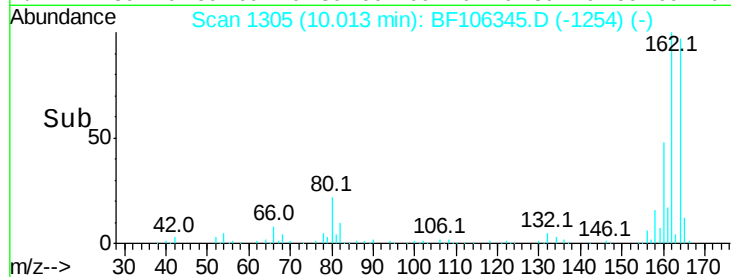
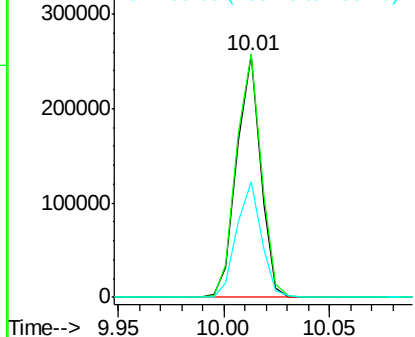
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF106345.D
Acq: 12 Jun 2018 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 200061
Ion Ratio Lower Upper
164 100
162 100.5 86.1 129.1
160 47.9 38.3 57.5

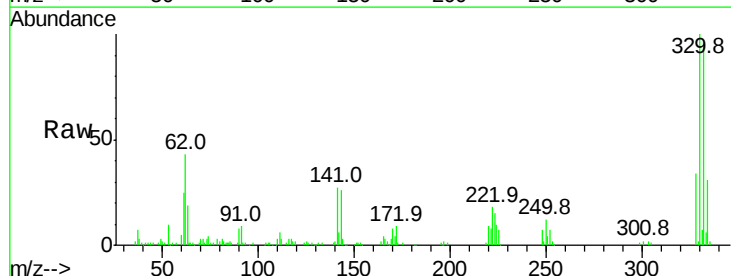


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

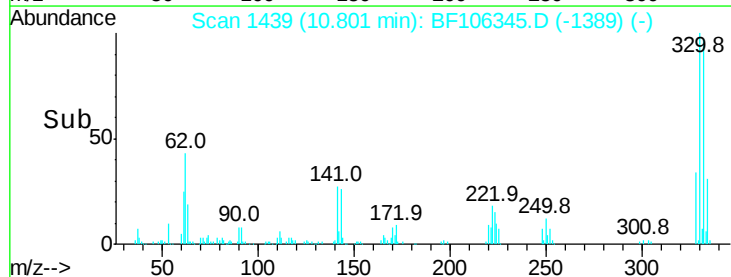
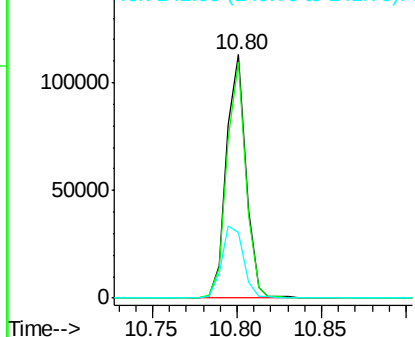


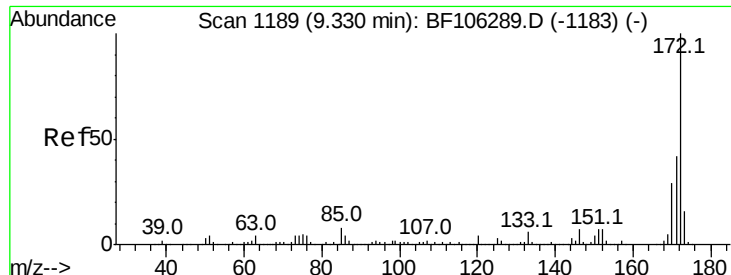
#41
2,4,6-Tribromophenol
Concen: 47.338 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF106345.D
Acq: 12 Jun 2018 15:33

Tgt Ion:330 Resp: 91122
Ion Ratio Lower Upper
330 100
332 94.9 77.0 115.6
141 33.1 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

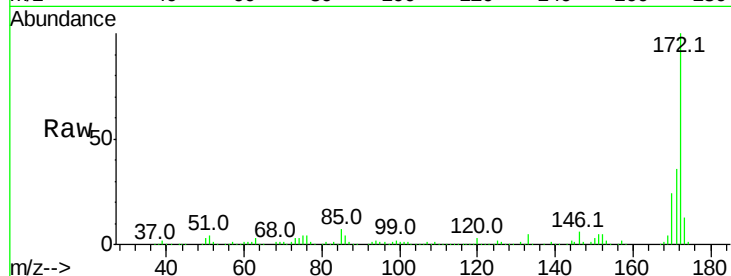




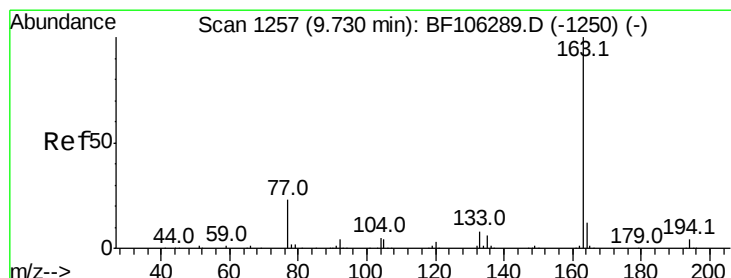
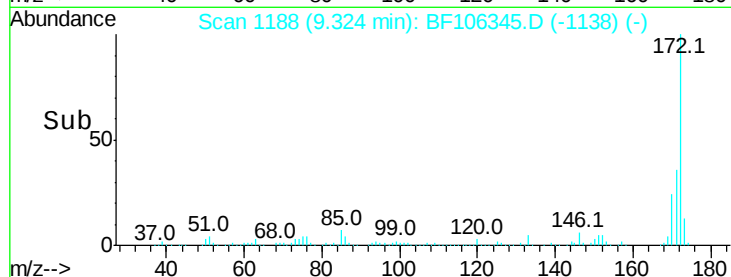
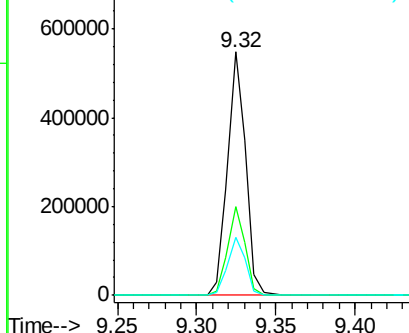
#44
2-Fluorobiphenyl
Concen: 28.547 ng
RT: 9.32 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF106345.D
Acq: 12 Jun 2018 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 433630
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 23.6 19.6 29.4

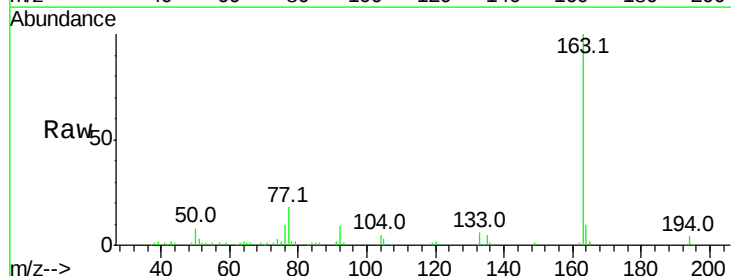


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

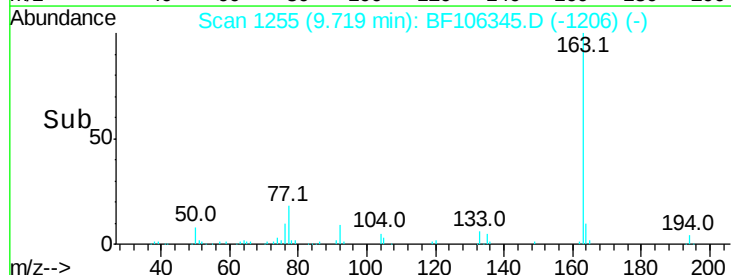
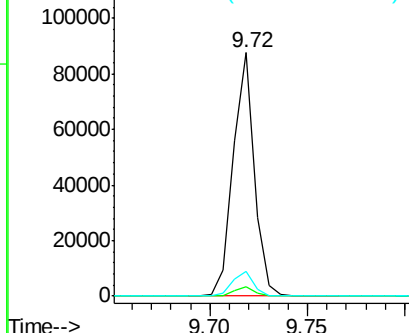


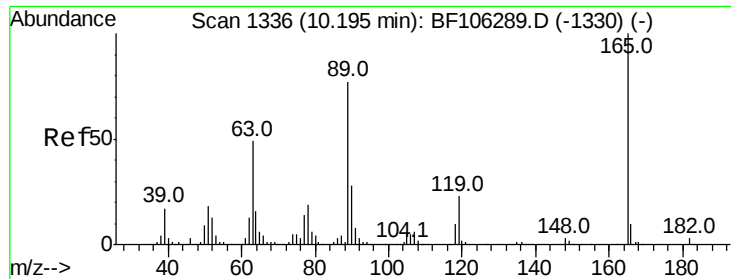
#49
Dimethylphthalate
Concen: 4.616 ng
RT: 9.72 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF106345.D
Acq: 12 Jun 2018 15:33

Tgt Ion:163 Resp: 65982
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.3 8.2 12.2



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

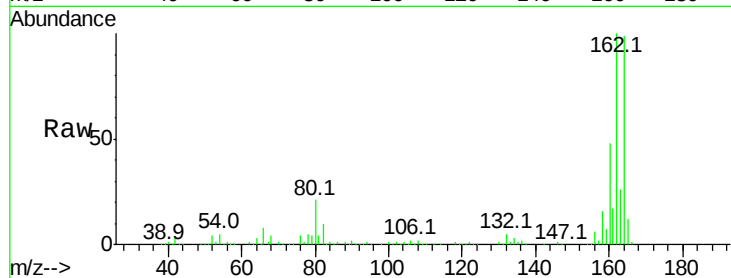




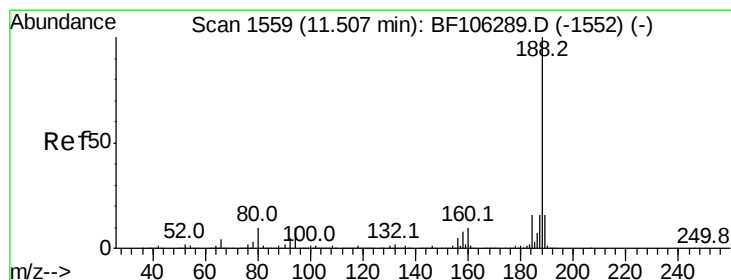
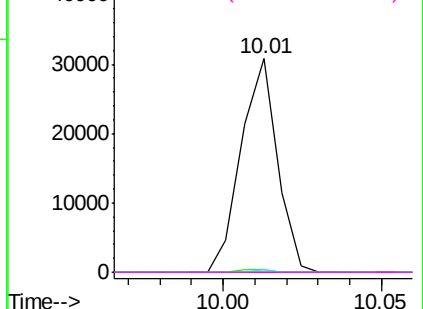
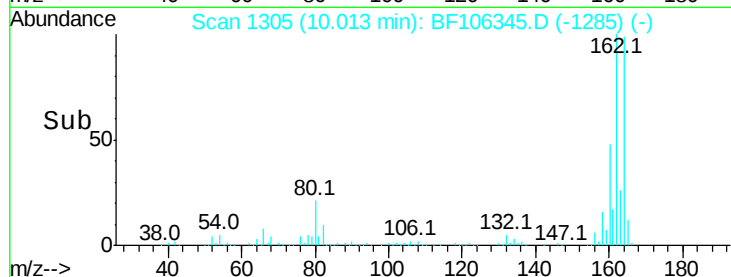
#56
 2,4-Dinitrotoluene
 Concen: 6.659 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. -0.18 min
 Lab File: BF106345.D
 Acq: 12 Jun 2018 15:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 24416
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#

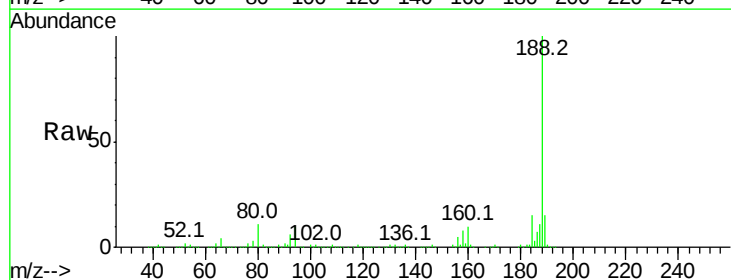


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

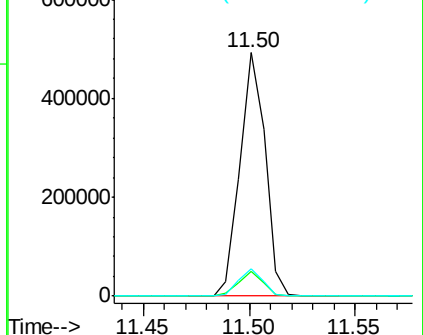
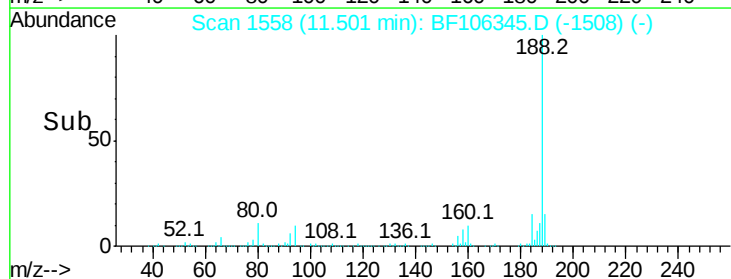


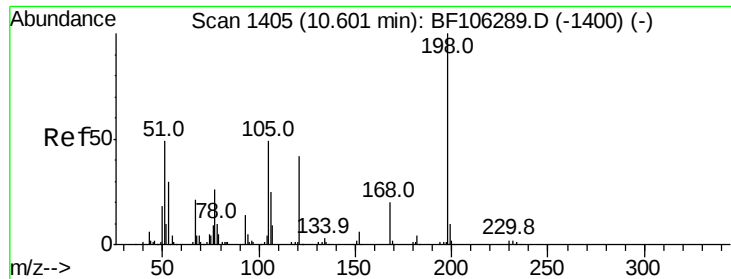
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF106345.D
 Acq: 12 Jun 2018 15:33

Tgt Ion:188 Resp: 407096
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.5 12.7
 80 11.4 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 6.344 ng

RT: 10.79 min Scan# 1438

Delta R.T. 0.19 min

Lab File: BF106345.D

Acq: 12 Jun 2018 15:33

Instrument :

BNA_F

ClientSampled :

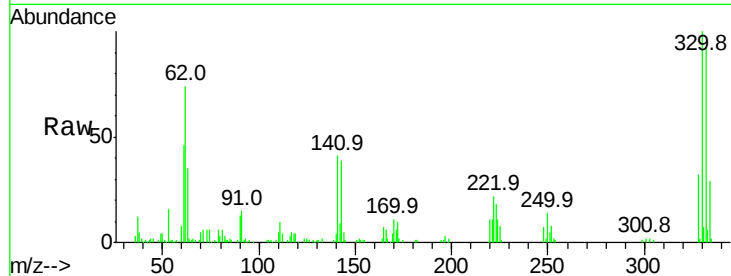
Tot Ion:198 Resp: 125

Ion Ratio Lower Upper

198 100

51 203.7 37.7 77.7#

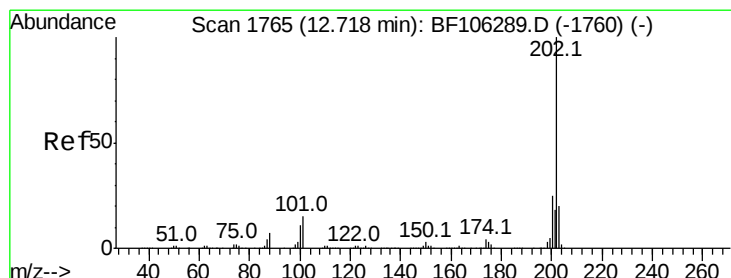
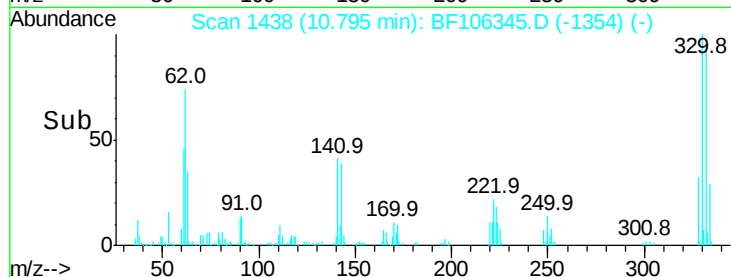
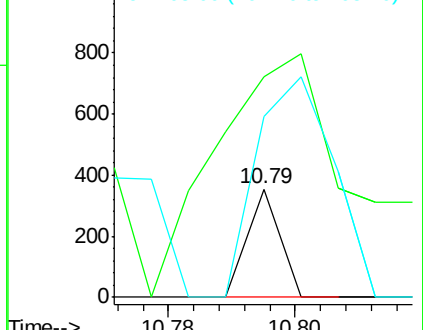
105 167.2 36.3 76.3#



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



#74

Fluoranthene

Concen: 3.612 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106345.D

Acq: 12 Jun 2018 15:33

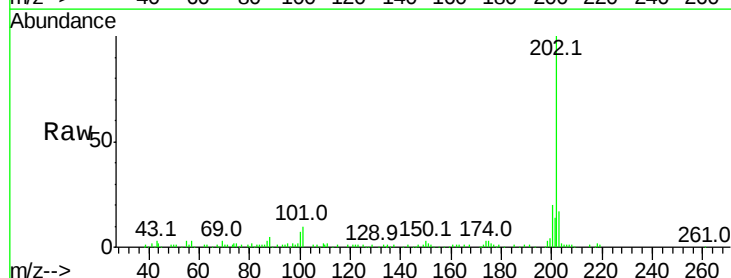
Tgt Ion:202 Resp: 76800

Ion Ratio Lower Upper

202 100

101 10.2 0.0 34.1

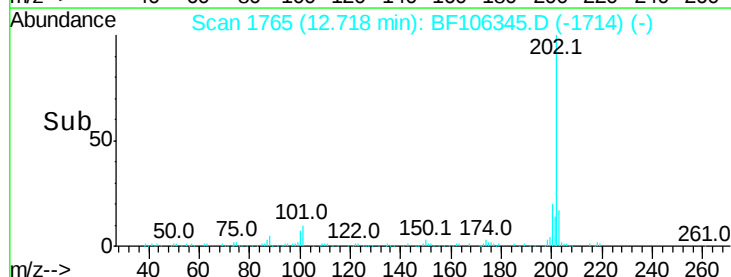
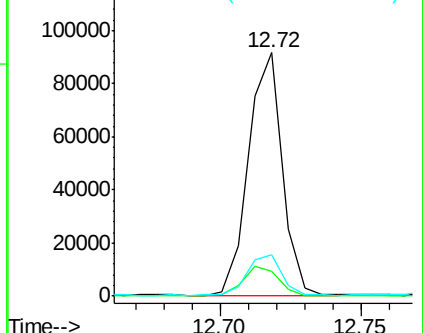
203 17.2 0.0 38.1

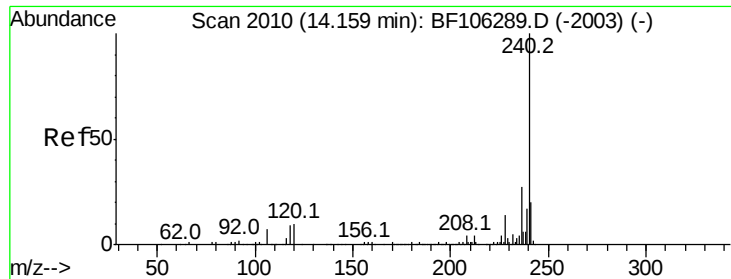


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BF106345.D

Acq: 12 Jun 2018 15:33

Instrument :

BNA_F

ClientSampleId :

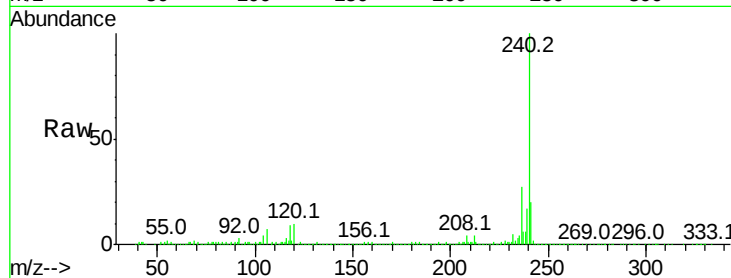
Tot Ion:240 Resp: 499547

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

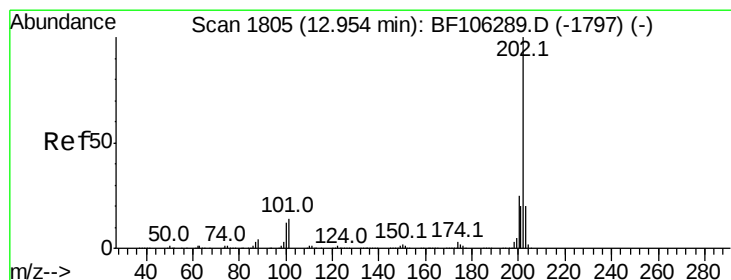
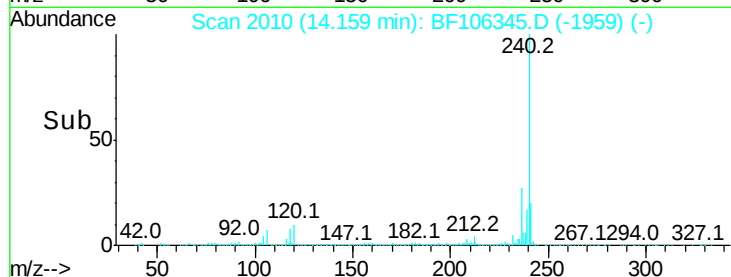
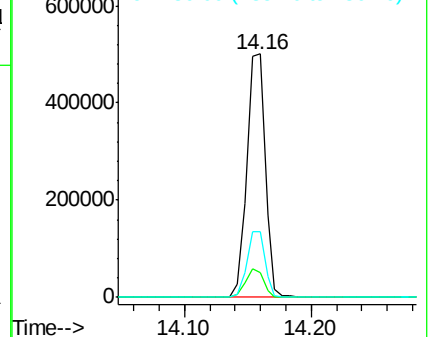
236 26.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.484 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF106345.D

Acq: 12 Jun 2018 15:33

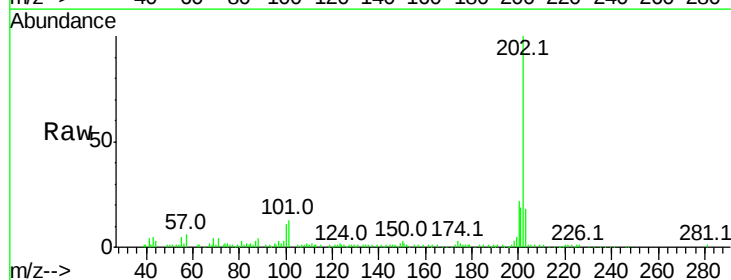
Tgt Ion:202 Resp: 77694

Ion Ratio Lower Upper

202 100

200 22.2 17.4 26.2

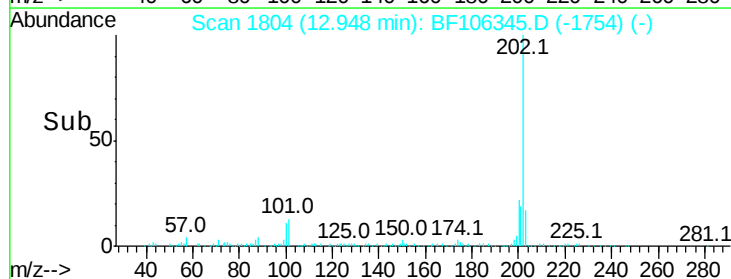
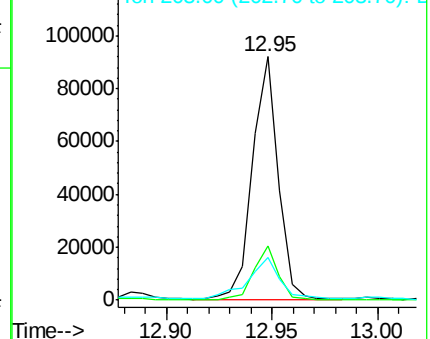
203 17.8 14.3 21.5

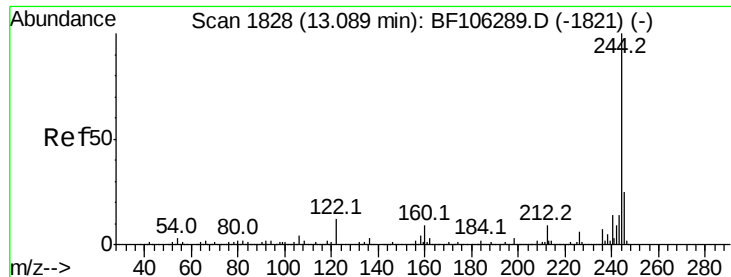


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 28.079 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106345.D

Acq: 12 Jun 2018 15:33

Instrument :

BNA_F

ClientSampleId :

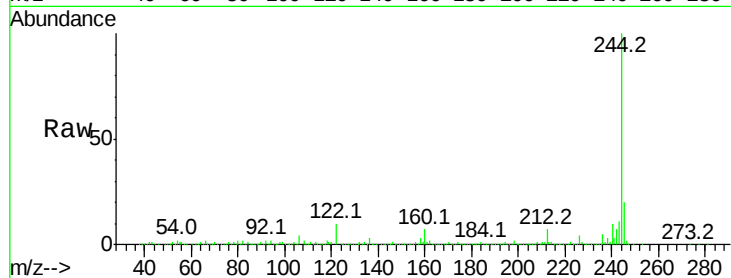
Tot Ion:244 Resp: 564744

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

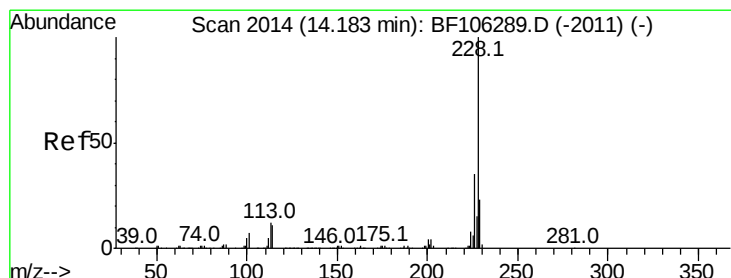
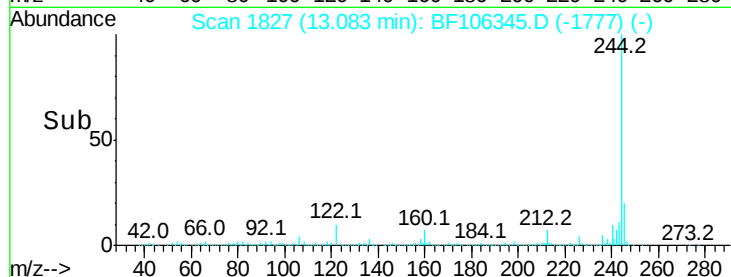
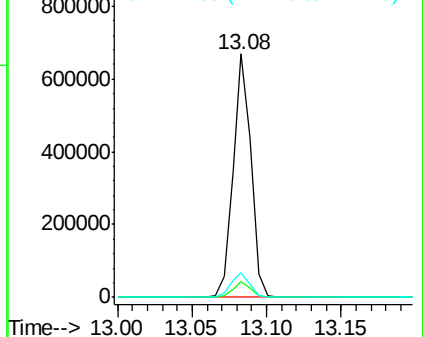
122 10.3 11.0 16.4#



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



#82

Chrysene

Concen: 2.180 ng

RT: 14.18 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BF106345.D

Acq: 12 Jun 2018 15:33

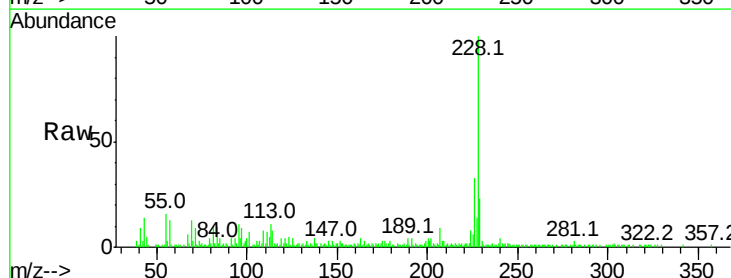
Tgt Ion:228 Resp: 59178

Ion Ratio Lower Upper

228 100

226 32.7 25.0 37.6

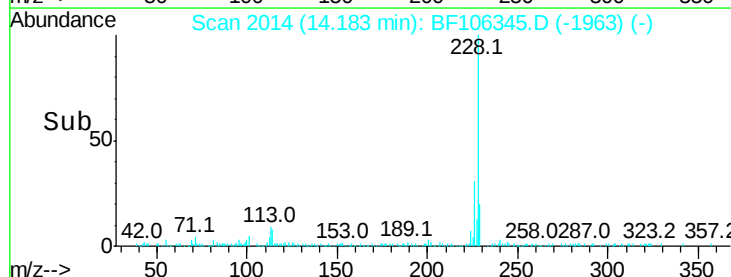
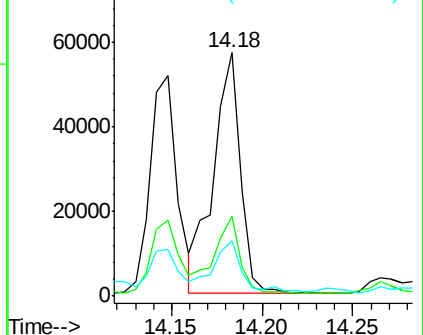
229 22.7 16.2 24.4

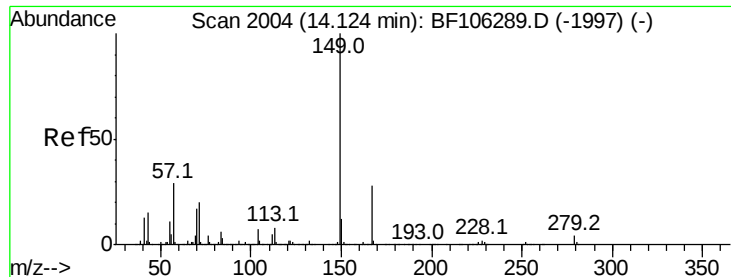


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

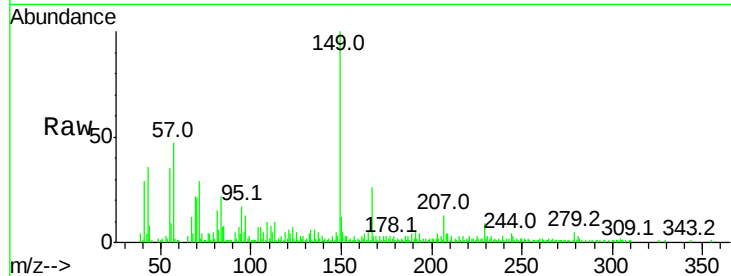




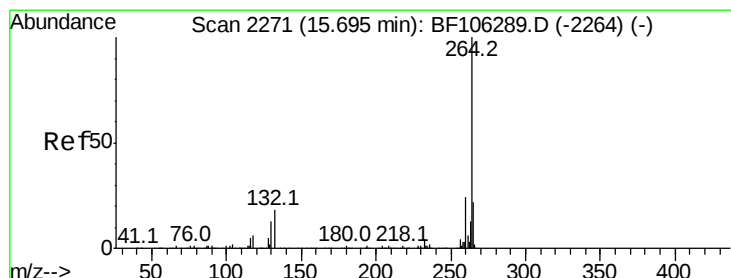
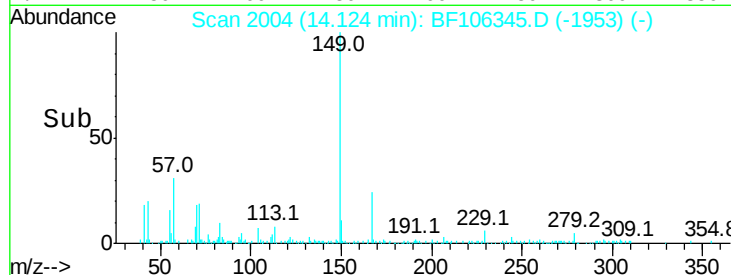
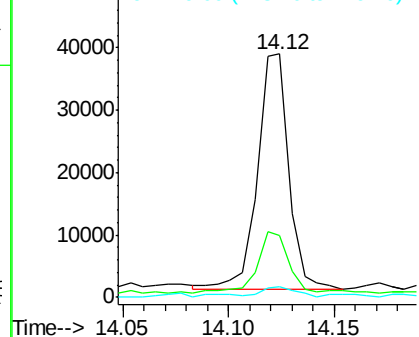
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.314 ng
RT: 14.12 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF106345.D
Acq: 12 Jun 2018 15:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:149 Resp: 38849
Ion Ratio Lower Upper
149 100
167 25.6 21.3 31.9
279 4.6 3.0 4.4#

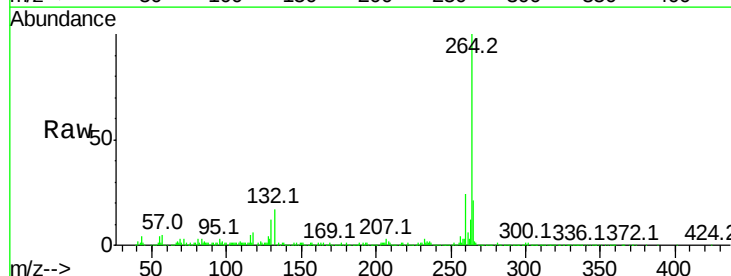


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

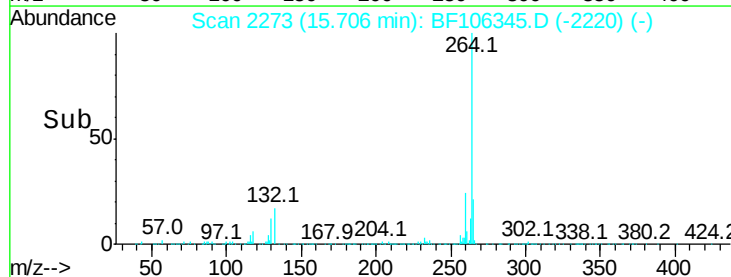
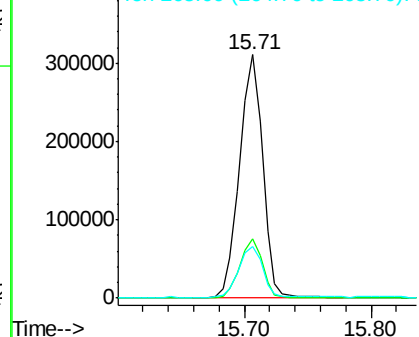


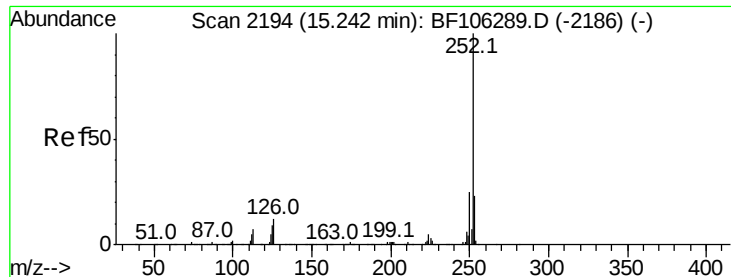
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF106345.D
Acq: 12 Jun 2018 15:33

Tgt Ion:264 Resp: 389942
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.3 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





#87

Benzo(b)fluoranthene

Concen: 3.711 ng

RT: 15.25 min Scan# 2195

Delta R.T. 0.01 min

Lab File: BF106345.D

Acq: 12 Jun 2018 15:33

Instrument :

BNA_F

ClientSampleId :

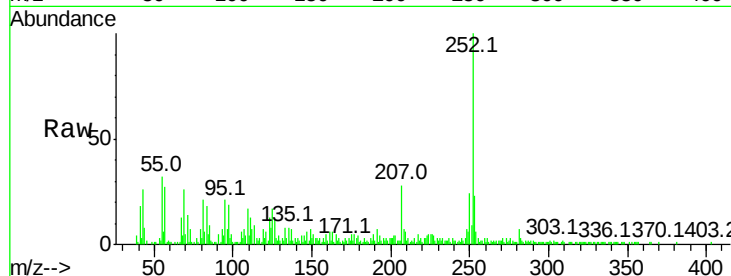
Tot Ion:252 Resp: 87471

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

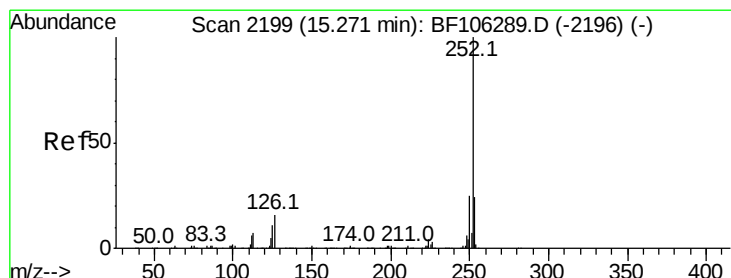
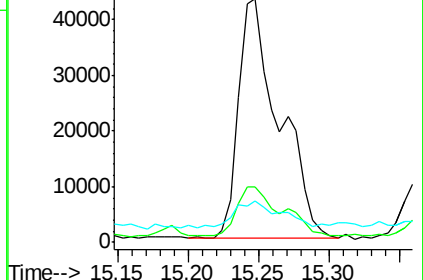
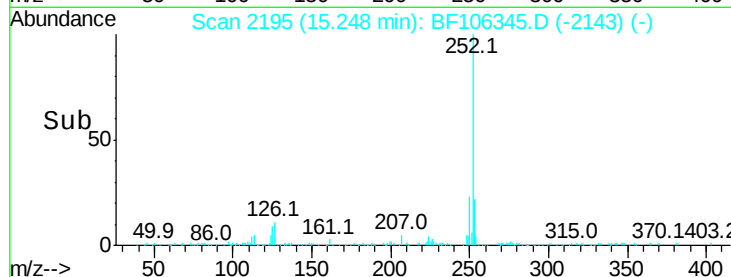
125 16.8 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.747 ng

RT: 15.25 min Scan# 2195

Delta R.T. -0.02 min

Lab File: BF106345.D

Acq: 12 Jun 2018 15:33

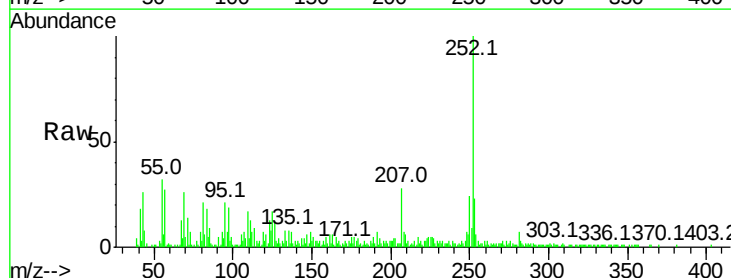
Tgt Ion:252 Resp: 87471

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

125 16.8 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

