

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\
 Data File : BF106397.D
 Acq On : 13 Jun 2018 17:59
 Operator : JU/SJ
 Sample : J3251-03 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 02:21:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 13 10:51:26 2018
 Response via : Initial Calibration

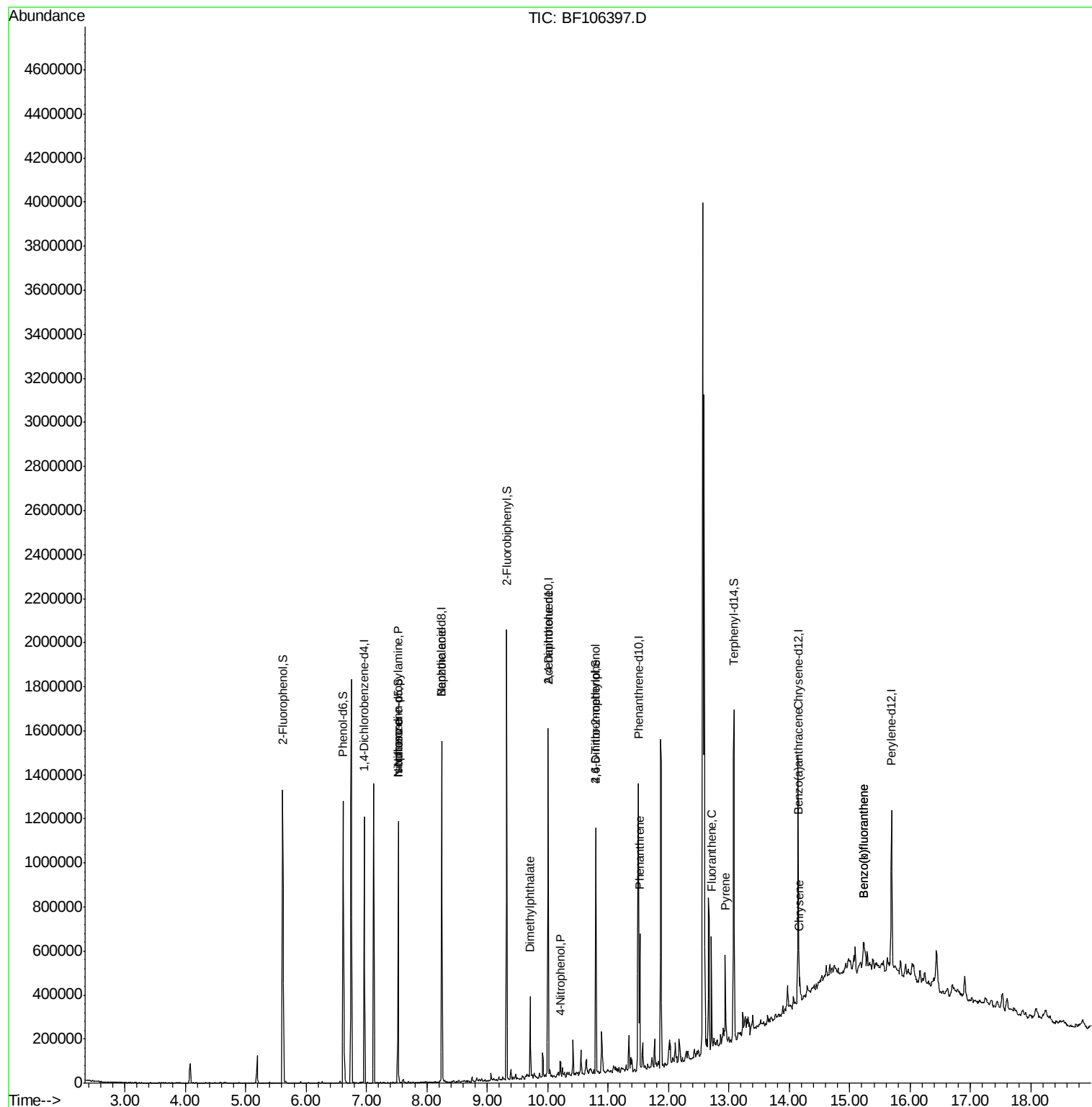
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	151684	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	585681	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	275169	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	481685	20.00	ng	0.00
75) Chrysene-d12	14.15	240	387348	20.00	ng	-0.01
86) Perylene-d12	15.69	264	364205	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	417341	46.57	ng	-0.01
7) Phenol-d6	6.61	99	540001	47.69	ng	-0.01
23) Nitrobenzene-d5	7.52	82	328387	32.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	126268	47.69	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	607236	29.27	ng	-0.01
78) Terphenyl-d14	13.08	244	519062	33.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	43913	5.169	ng	# 75
25) Isophorone	7.52	82	328381	16.887	ng	# 64
32) Benzoic acid	8.25	122	145	7.309	ng	# 1
49) Dimethylphthalate	9.71	163	110512	5.621	ng	# 99
55) 4-Nitrophenol	10.21	139	8112	2.220	ng	# 13
56) 2,4-Dinitrotoluene	10.01	165	36694	7.277	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	319	6.401	ng	# 1
70) Phenanthrene	11.52	178	229246	9.718	ng	# 97
74) Fluoranthene	12.71	202	180430	7.172	ng	# 97
77) Pyrene	12.94	202	132702	5.472	ng	# 99
80) Benzo(a)anthracene	14.14	228	52863	2.293	ng	# 94
82) Chrysene	14.18	228	47435	2.254	ng	# 95
87) Benzo(b)fluoranthene	15.23	252	70411	3.198	ng	# 75
88) Benzo(k)fluoranthene	15.23	252	70411	3.229	ng	# 79

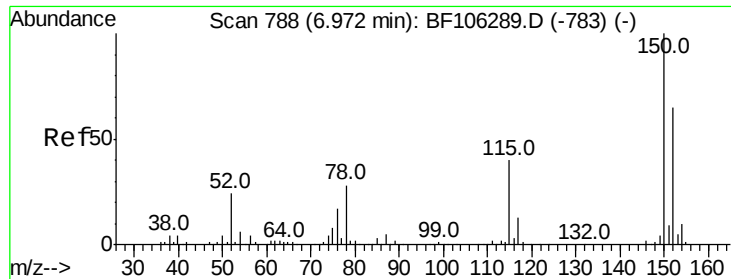
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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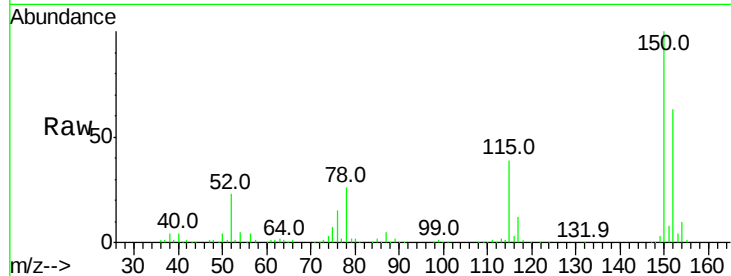


#1

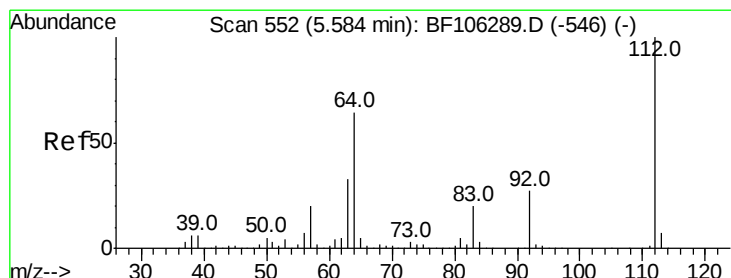
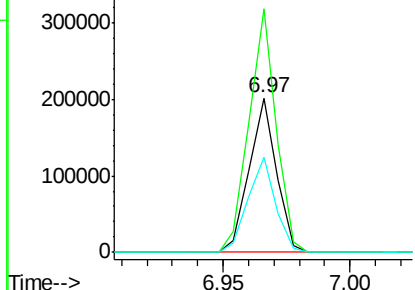
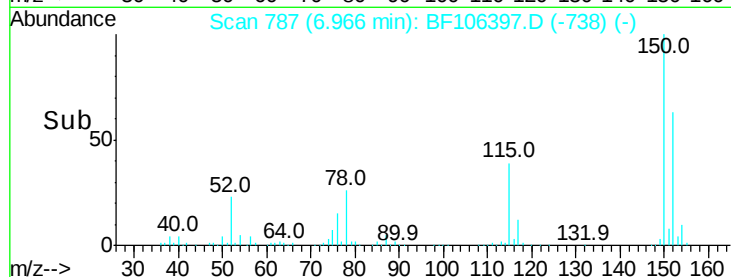
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF106397.D
Acq: 13 Jun 2018 17:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 151684
Ion Ratio Lower Upper
152 100
150 157.5 124.6 186.8
115 61.4 50.1 75.1



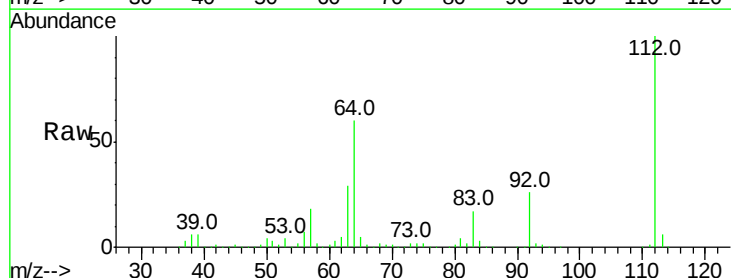
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



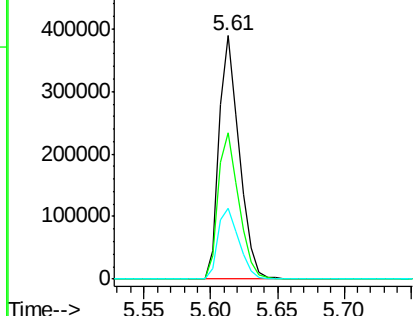
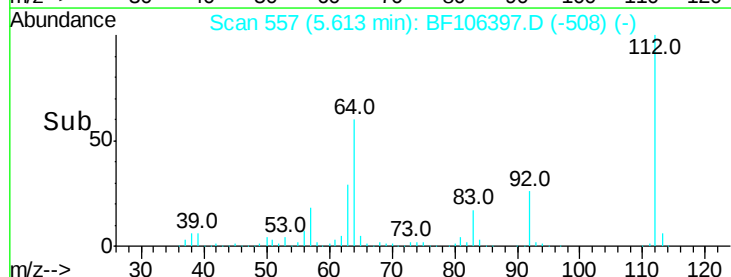
#5

2-Fluorophenol
Concen: 46.567 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.01 min
Lab File: BF106397.D
Acq: 13 Jun 2018 17:59

Tgt Ion:112 Resp: 417341
Ion Ratio Lower Upper
112 100
64 60.1 47.9 71.9
63 29.3 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: 47.691 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF106397.D

Acq: 13 Jun 2018 17:59

Instrument :

BNA_F

ClientSampleId :

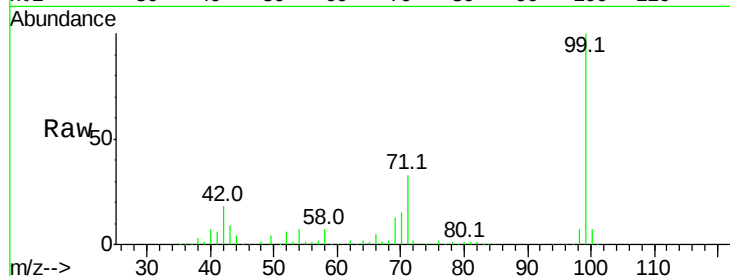
Tot Ion: 99 Resp: 540001

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

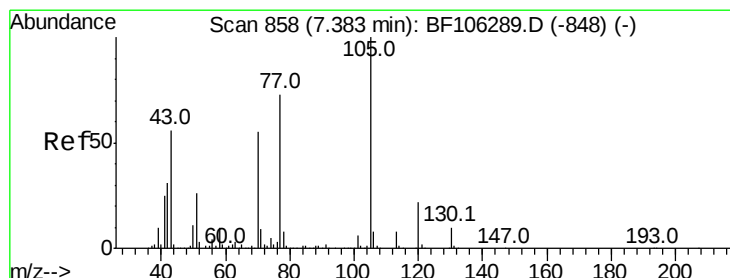
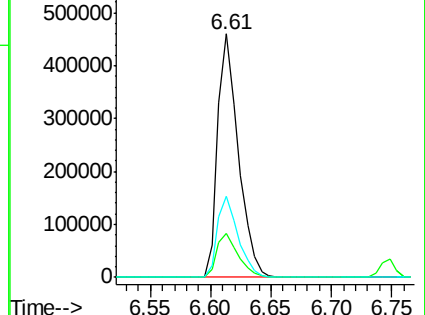
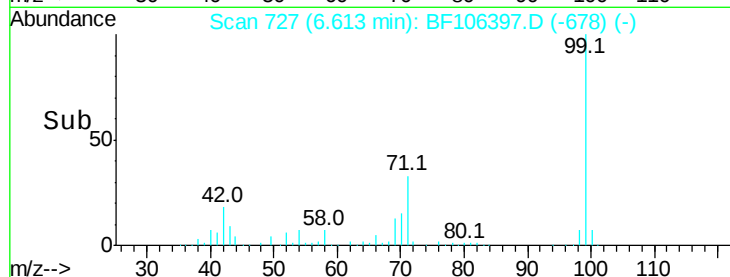
71 33.2 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.169 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106397.D

Acq: 13 Jun 2018 17:59

Tgt Ion: 70 Resp: 43913

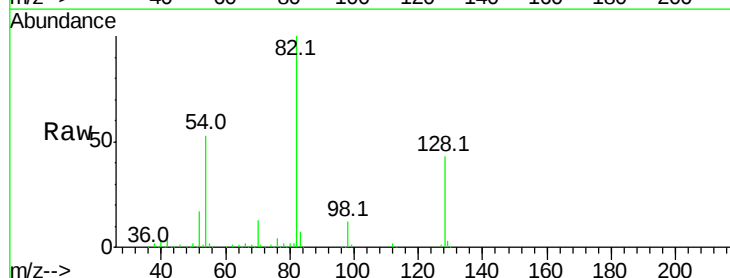
Ion Ratio Lower Upper

70 100

42 45.3 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

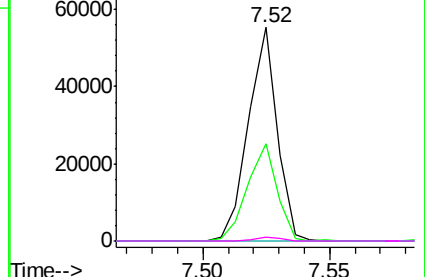
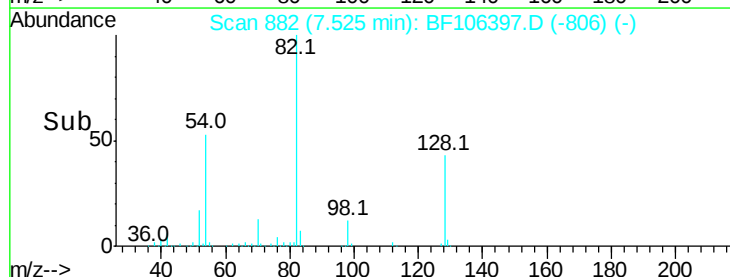


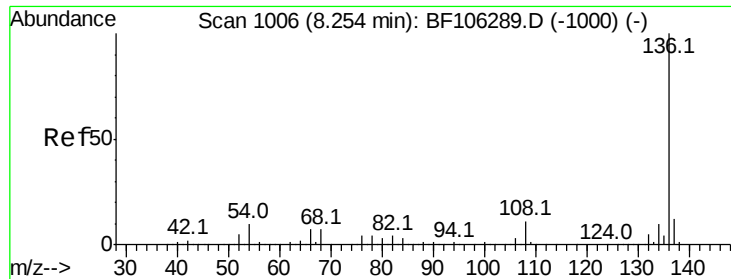
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

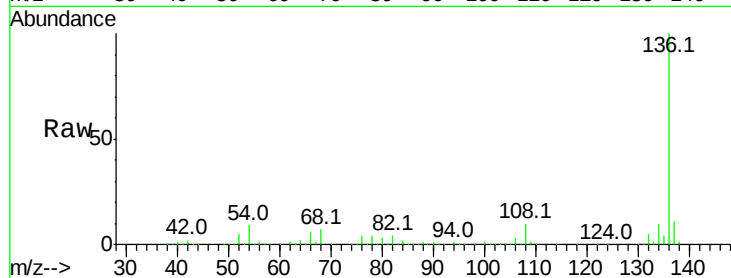




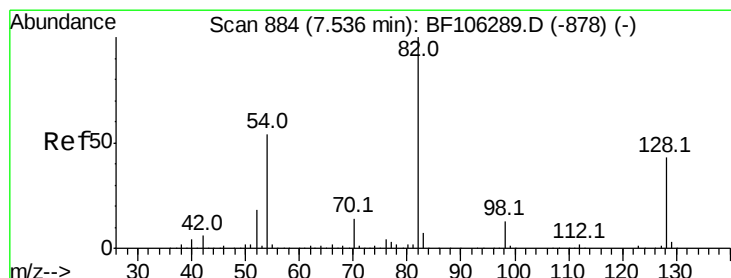
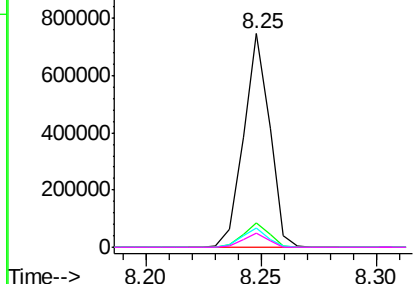
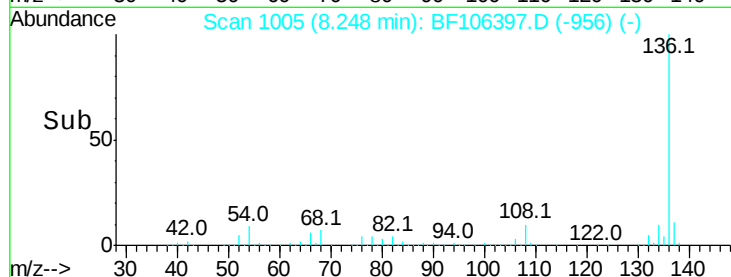
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF106397.D
Acq: 13 Jun 2018 17:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	585681
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	9.2	6.6	9.8
68	6.8	5.0	7.4

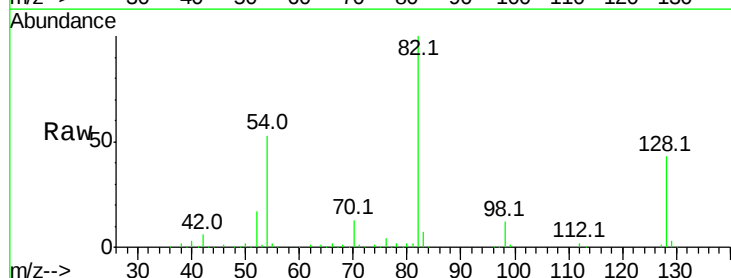


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

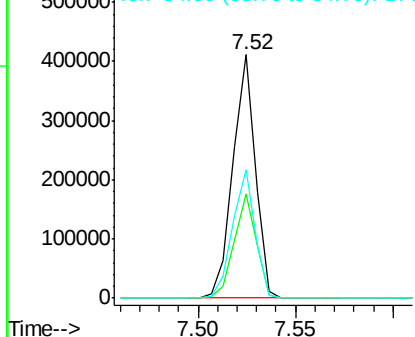
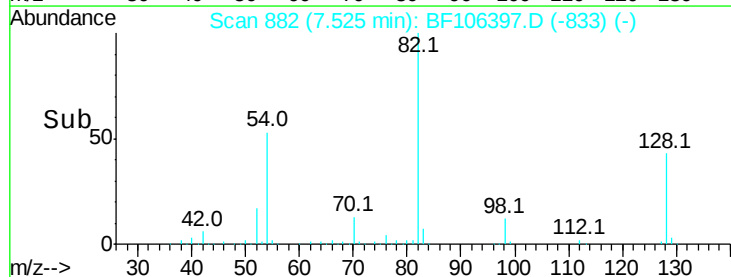


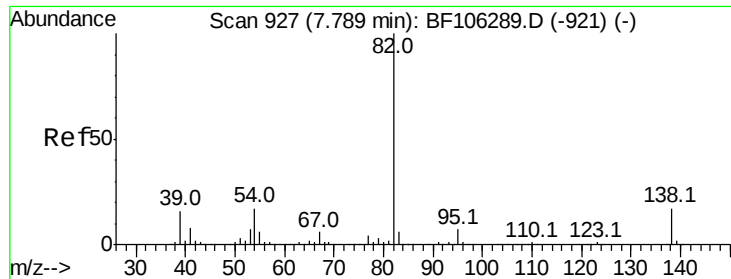
#23
Nitrobenzene-d5
Concen: 32.985 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106397.D
Acq: 13 Jun 2018 17:59

Tgt Ion:	82	Resp:	328387
Ion	Ratio	Lower	Upper
82	100		
128	42.6	36.1	54.1
54	52.5	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: 16.887 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.27 min

Lab File: BF106397.D

Acq: 13 Jun 2018 17:59

Instrument :

BNA_F

ClientSampled :

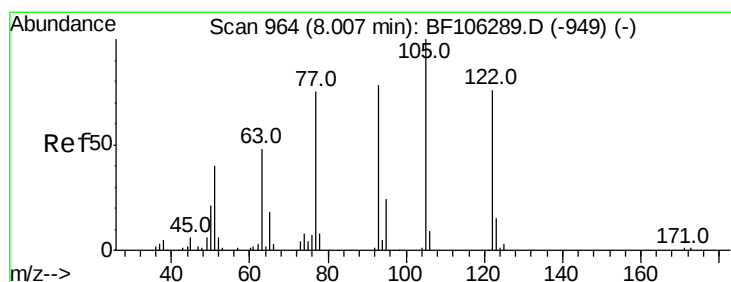
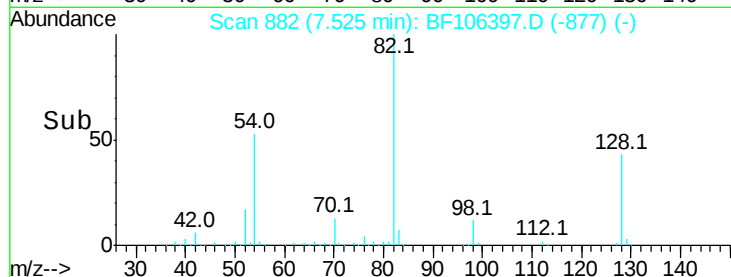
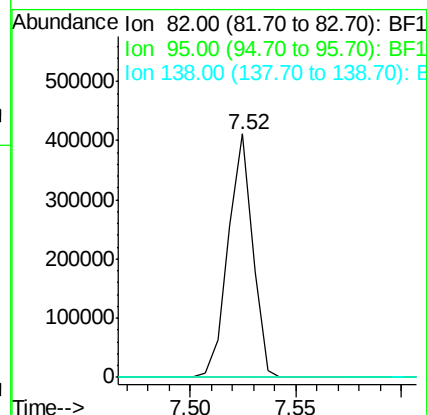
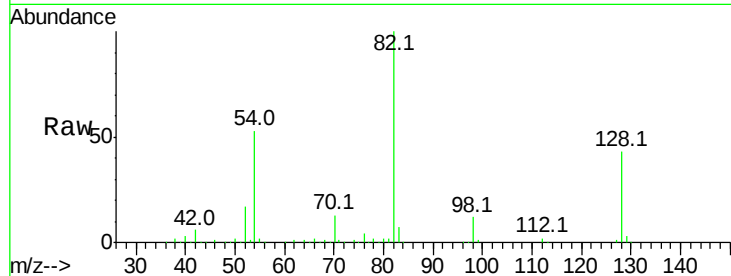
Tot Ion: 82 Resp: 328381

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 7.309 ng

RT: 8.25 min Scan# 1005

Delta R.T. 0.24 min

Lab File: BF106397.D

Acq: 13 Jun 2018 17:59

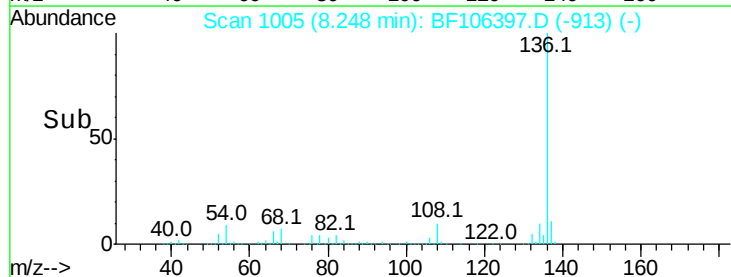
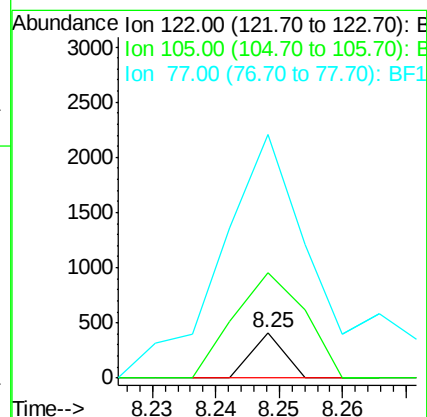
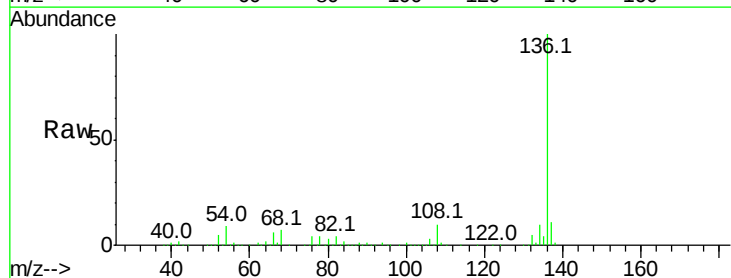
Tgt Ion: 122 Resp: 145

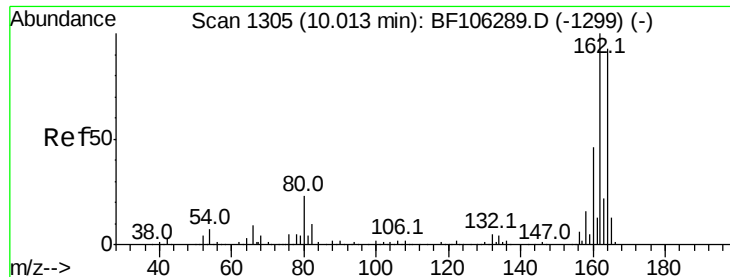
Ion Ratio Lower Upper

122 100

105 232.4 101.1 141.1#

77 538.0 70.7 110.7#

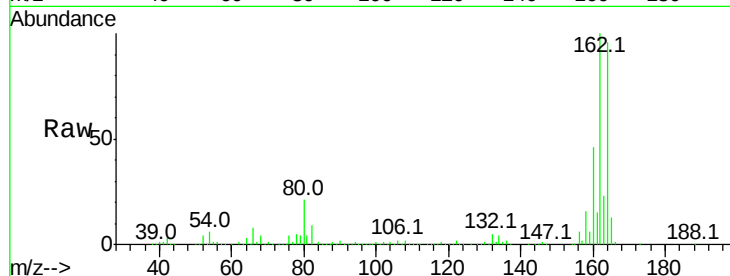




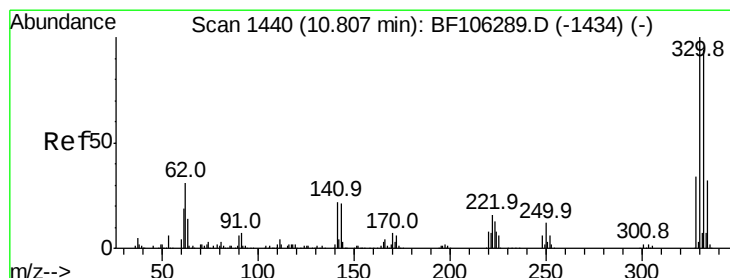
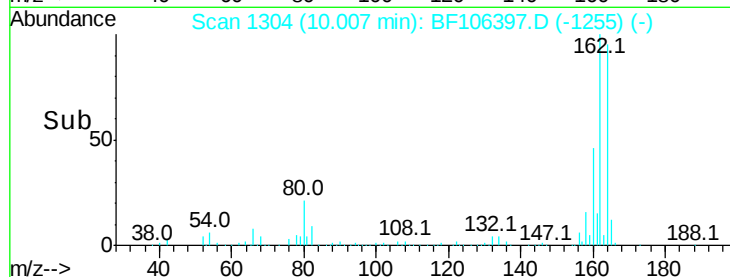
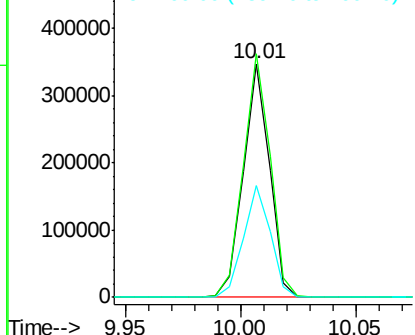
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106397.D
Acq: 13 Jun 2018 17:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 275169
Ion Ratio Lower Upper
164 100
162 104.2 86.1 129.1
160 47.7 38.3 57.5

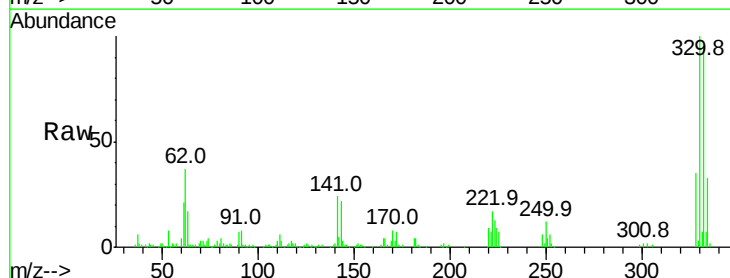


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

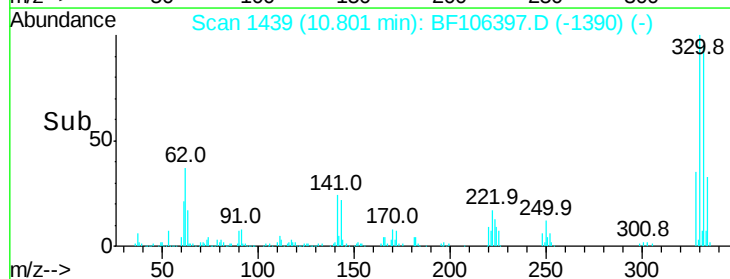
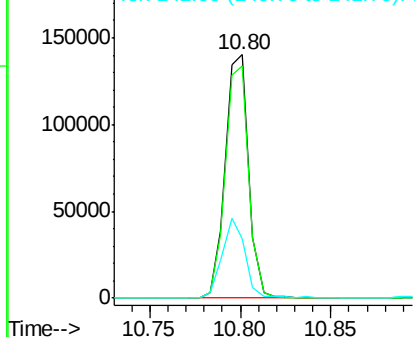


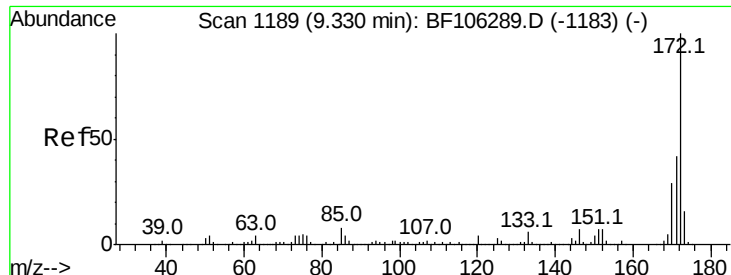
#41
2,4,6-Tribromophenol
Concen: 47.691 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF106397.D
Acq: 13 Jun 2018 17:59

Tgt Ion:330 Resp: 126268
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.6
141 31.5 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

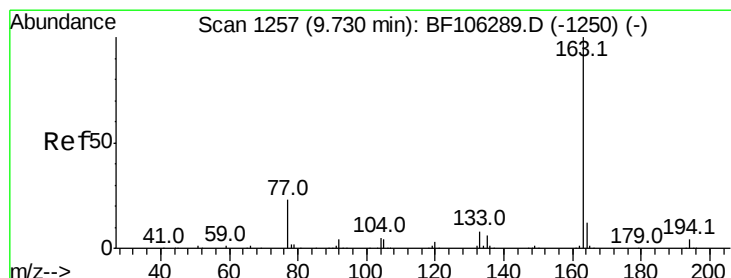
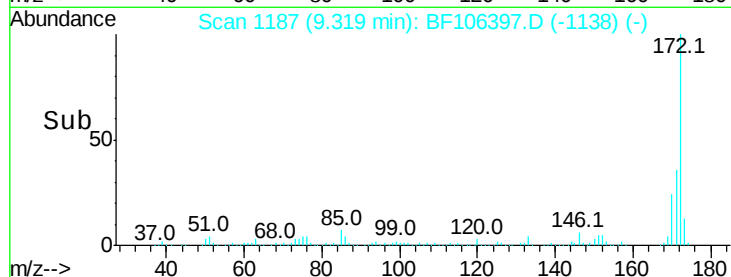
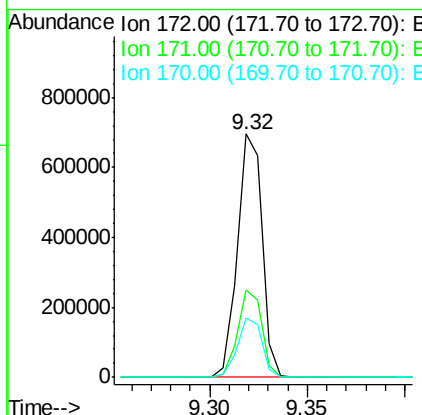
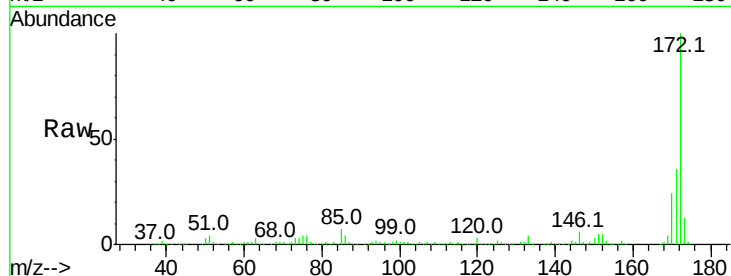




#44
2-Fluorobiphenyl
Concen: 29.272 ng
RT: 9.32 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF106397.D
Acq: 13 Jun 2018 17:59

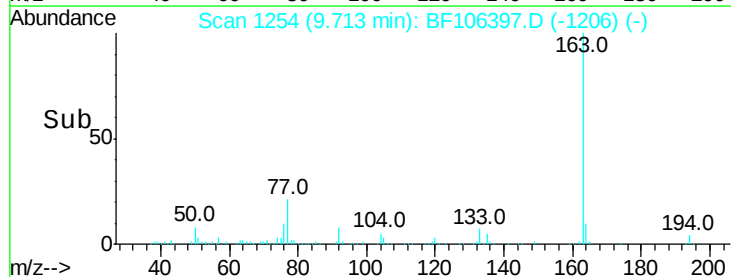
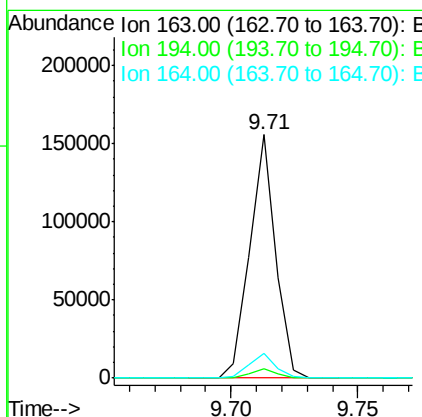
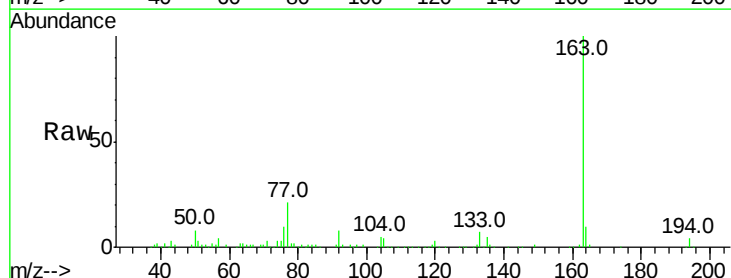
Instrument :
BNA_F
ClientSampleId :

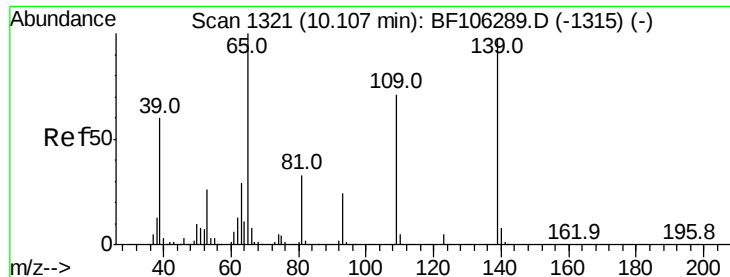
Tot Ion:172 Resp: 607236
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 24.3 19.6 29.4



#49
Dimethylphthalate
Concen: 5.621 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF106397.D
Acq: 13 Jun 2018 17:59

Tgt Ion:163 Resp: 110512
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.9 8.2 12.2





#55

4-Nitrophenol

Concen: 2.220 ng

RT: 10.21 min Scan# 1339

Delta R.T. 0.02 min

Lab File: BF106397.D

Acq: 13 Jun 2018 17:59

Instrument :

BNA_F

ClientSampleId :

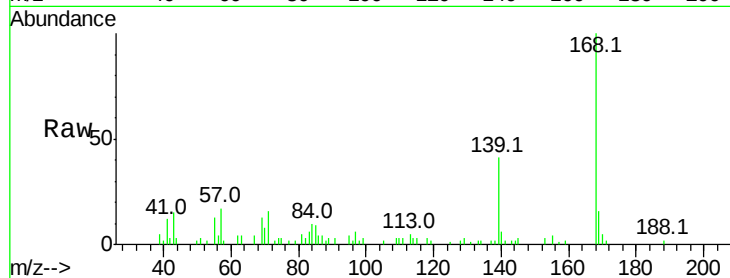
Tot Ion:139 Resp: 8112

Ion Ratio Lower Upper

139 100

109 7.9 48.4 88.4#

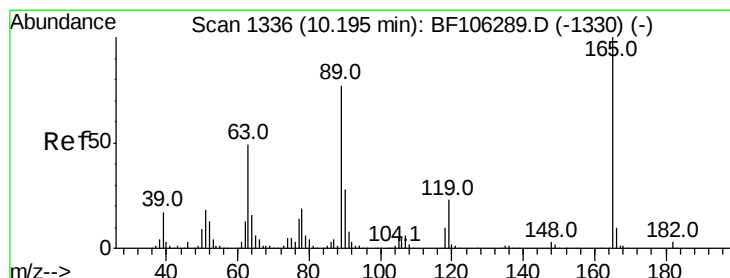
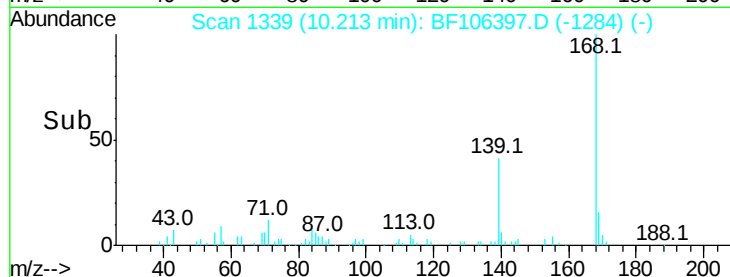
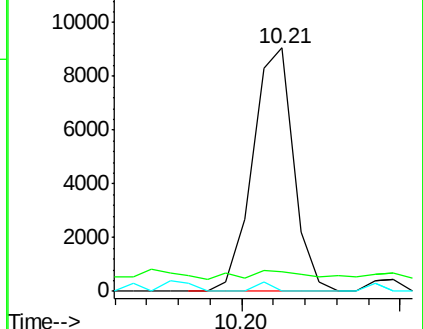
65 0.0 72.6 112.6#



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: 7.277 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.19 min

Lab File: BF106397.D

Acq: 13 Jun 2018 17:59

Tgt Ion:165 Resp: 36694

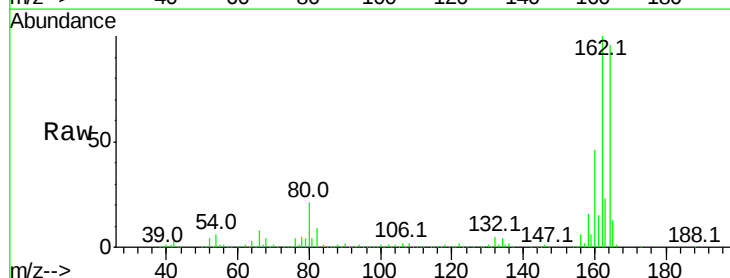
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

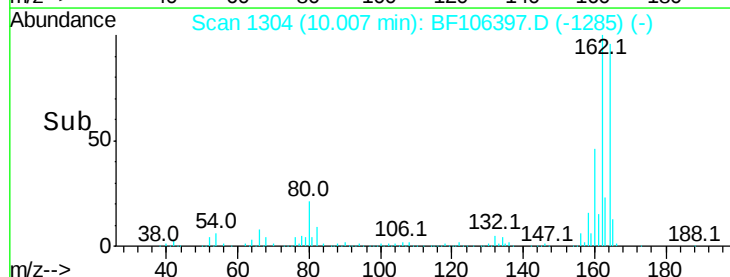
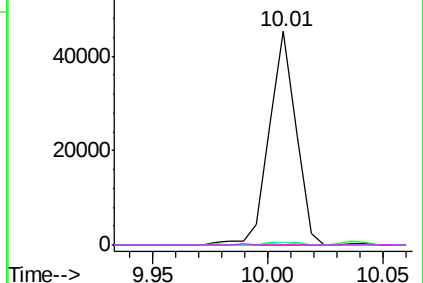


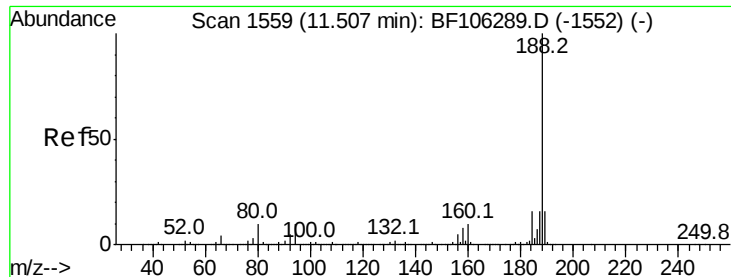
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.50 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF106397.D

Acq: 13 Jun 2018 17:59

Instrument :

BNA_F

ClientSampleId :

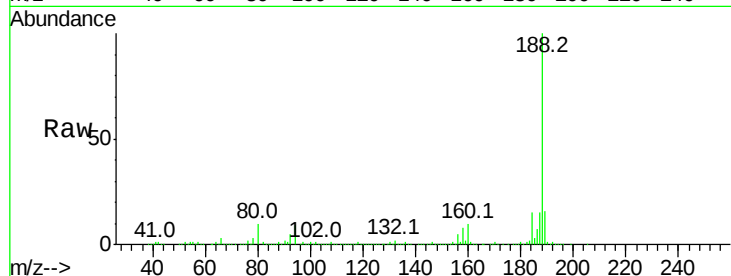
Tot Ion:188 Resp: 481685

Ion Ratio Lower Upper

188 100

94 9.3 8.5 12.7

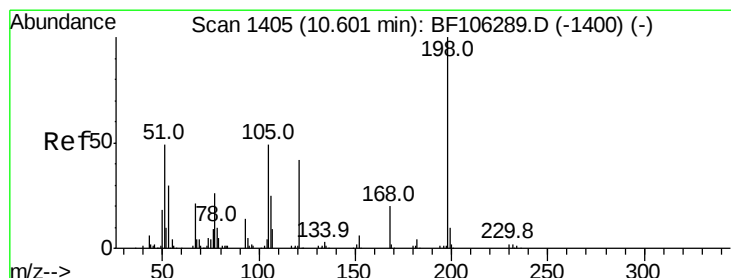
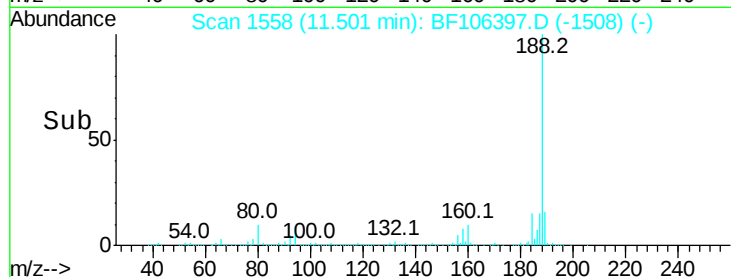
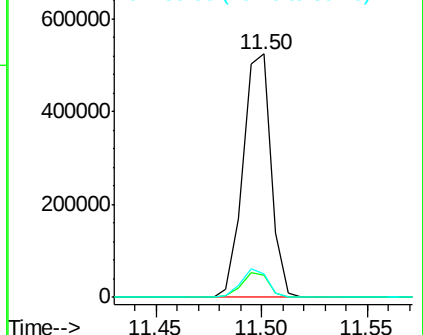
80 9.7 9.2 13.8



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: 6.401 ng

RT: 10.80 min Scan# 1438

Delta R.T. 0.19 min

Lab File: BF106397.D

Acq: 13 Jun 2018 17:59

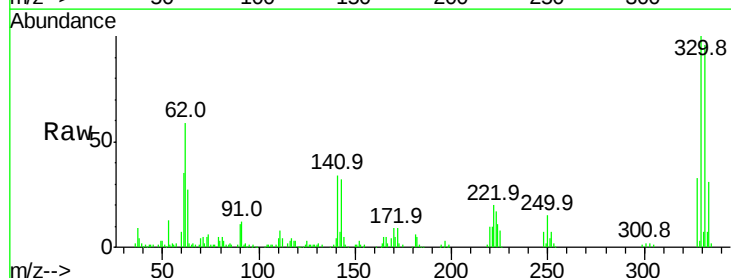
Tgt Ion:198 Resp: 319

Ion Ratio Lower Upper

198 100

51 245.7 37.7 77.7#

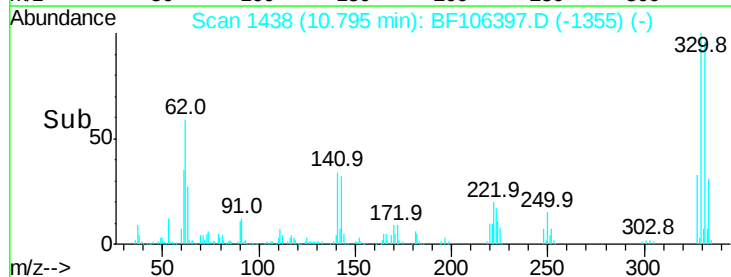
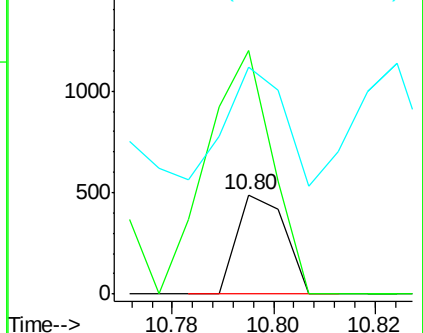
105 229.1 36.3 76.3#

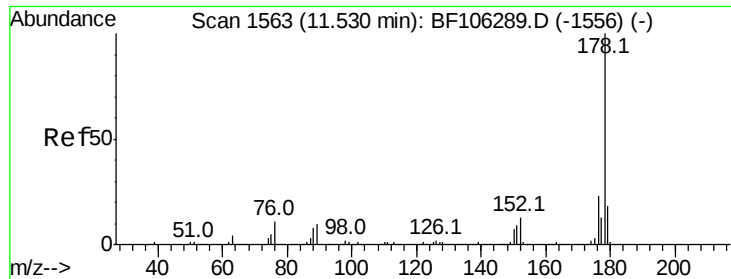


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 9.718 ng

RT: 11.52 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF106397.D

Acq: 13 Jun 2018 17:59

Instrument :

BNA_F

ClientSampleId :

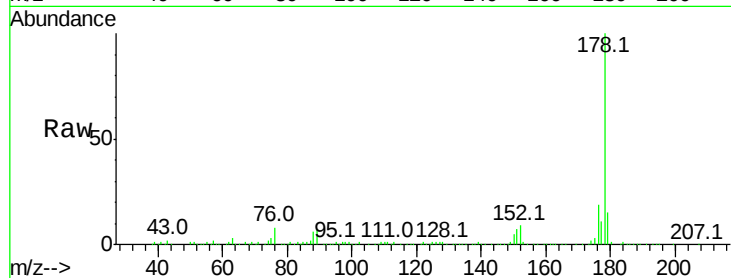
Tot Ion:178 Resp: 229246

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

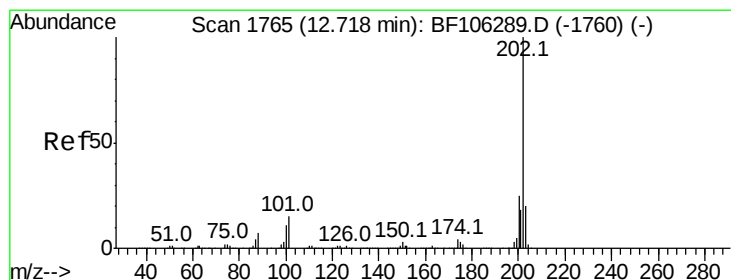
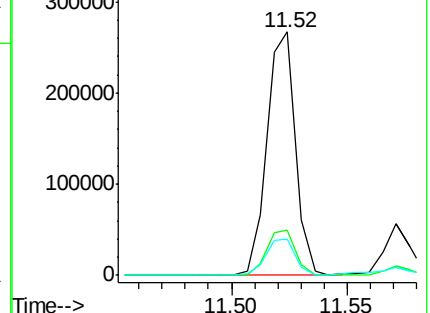
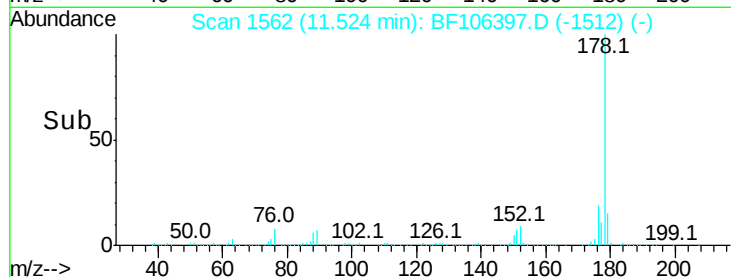
179 15.0 13.0 19.6



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



#74

Fluoranthene

Concen: 7.172 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106397.D

Acq: 13 Jun 2018 17:59

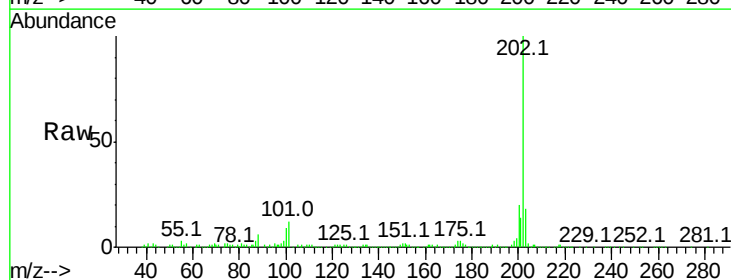
Tgt Ion:202 Resp: 180430

Ion Ratio Lower Upper

202 100

101 11.8 0.0 34.1

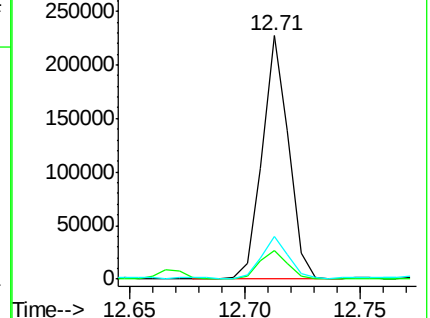
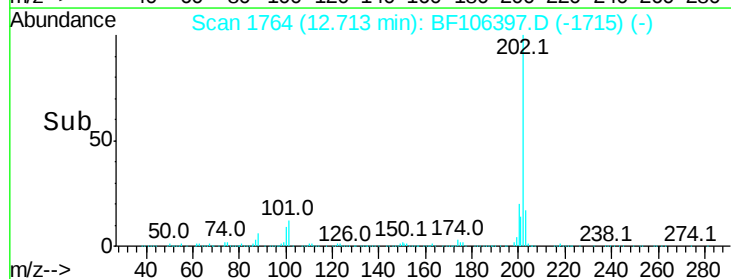
203 17.6 0.0 38.1

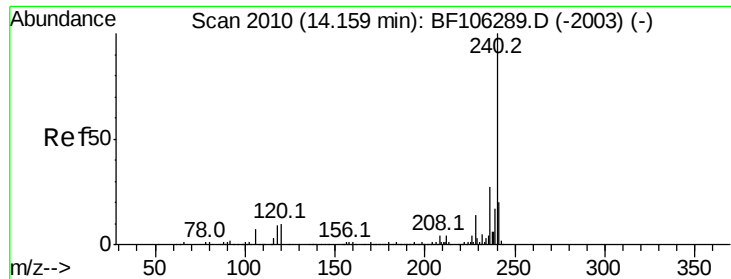


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106397.D

Acq: 13 Jun 2018 17:59

Instrument :

BNA_F

ClientSampleId :

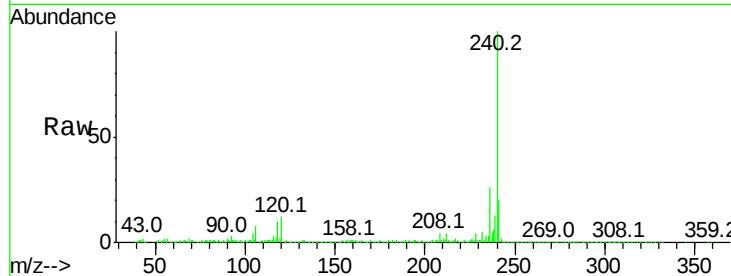
Tot Ion:240 Resp: 387348

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

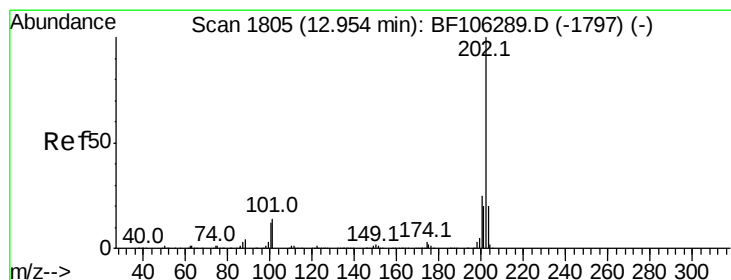
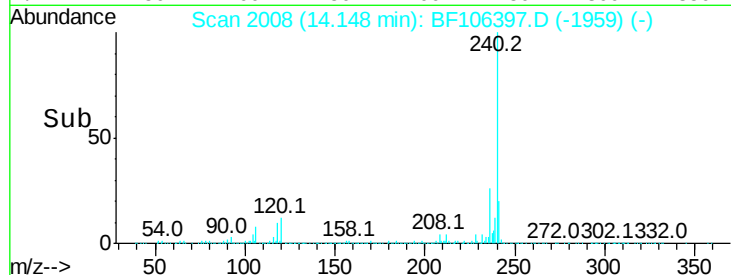
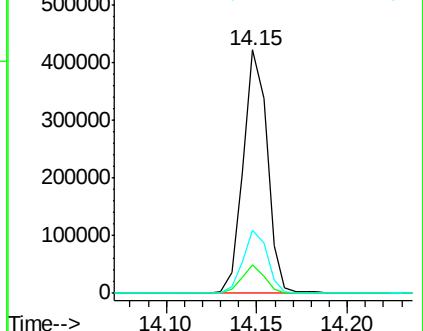
236 25.8 20.7 31.1



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: 5.472 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106397.D

Acq: 13 Jun 2018 17:59

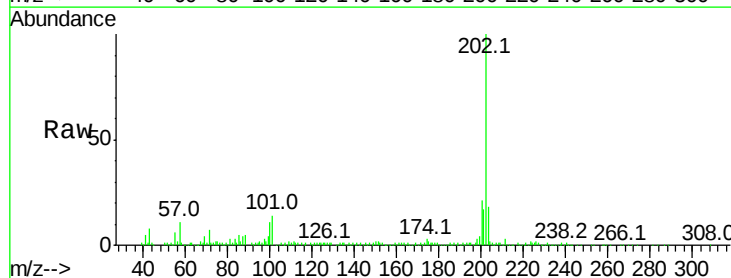
Tgt Ion:202 Resp: 132702

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

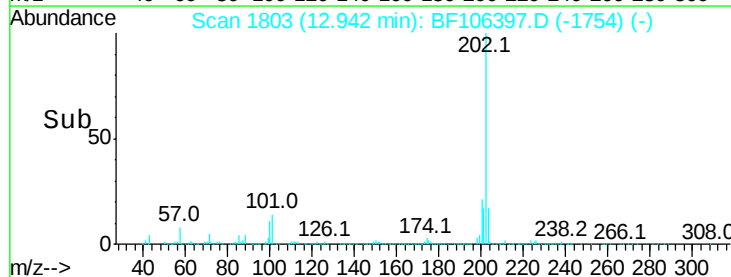
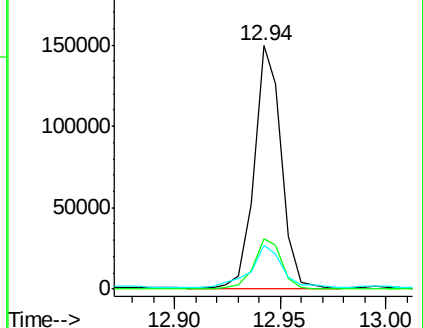
203 18.1 14.3 21.5

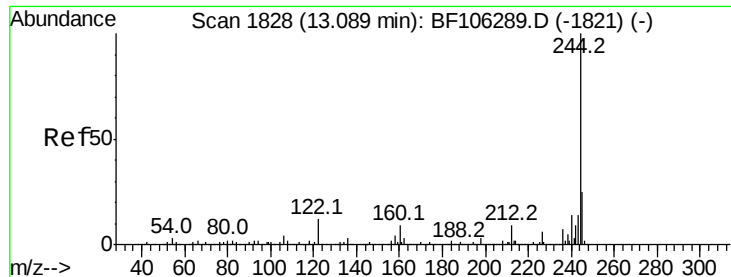


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 33.284 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106397.D

Acq: 13 Jun 2018 17:59

Instrument :

BNA_F

ClientSampleId :

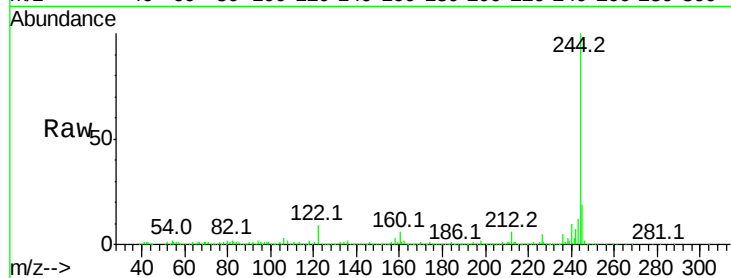
Tot Ion:244 Resp: 519062

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

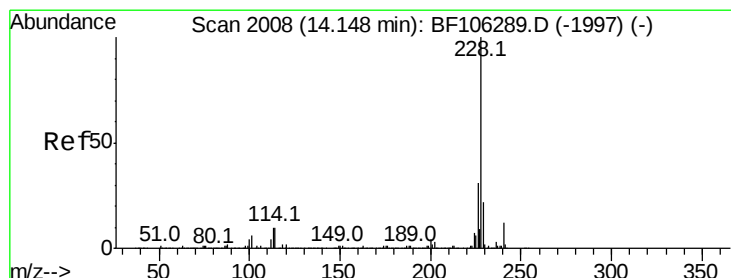
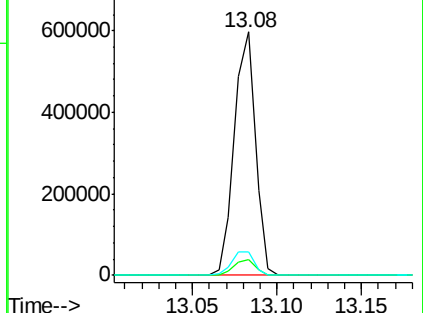
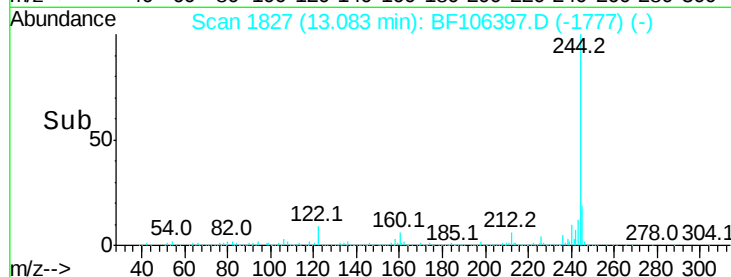
122 9.5 11.0 16.4#



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



#80

Benzo(a)anthracene

Concen: 2.293 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF106397.D

Acq: 13 Jun 2018 17:59

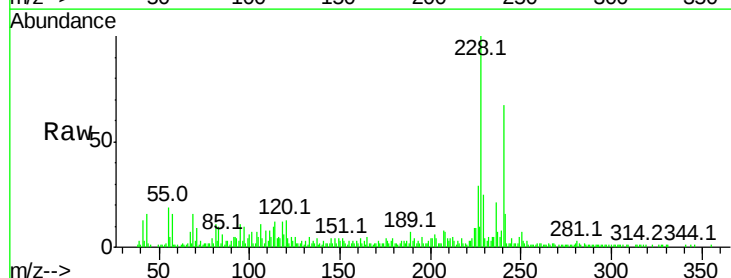
Tgt Ion:228 Resp: 52863

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

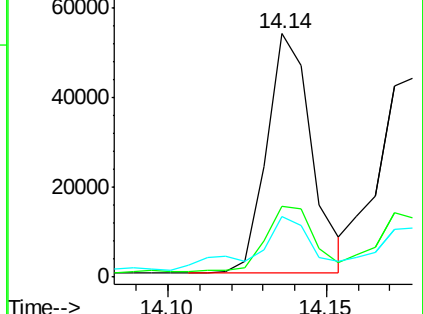
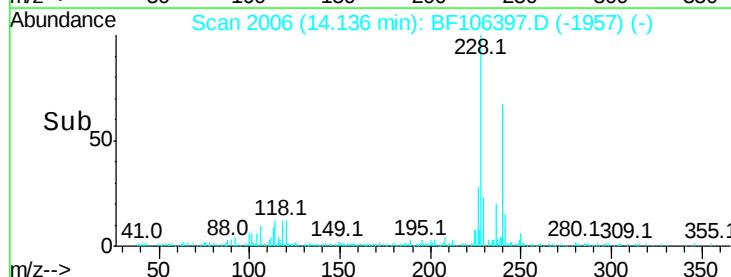
229 24.9 15.8 23.6#

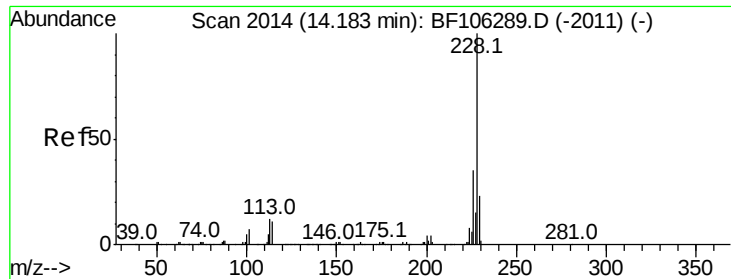


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

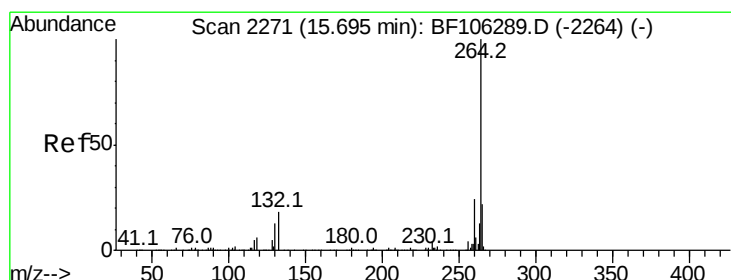
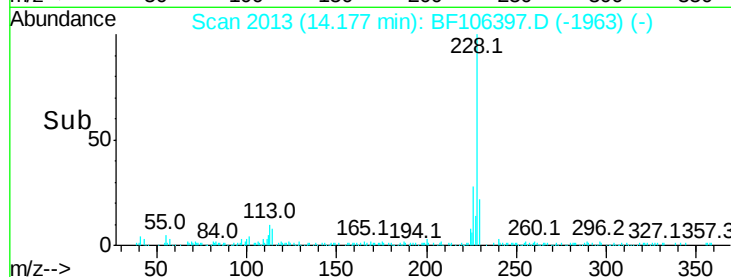
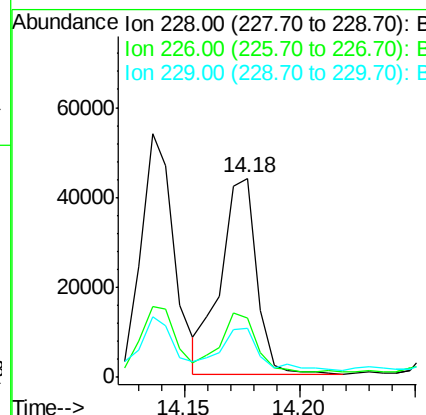
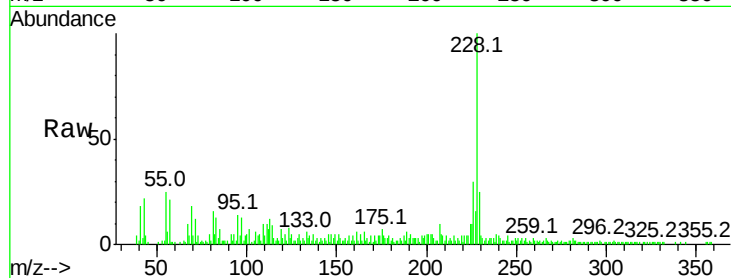




#82
 Chrysene
 Concen: 2.254 ng
 RT: 14.18 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BF106397.D
 Acq: 13 Jun 2018 17:59

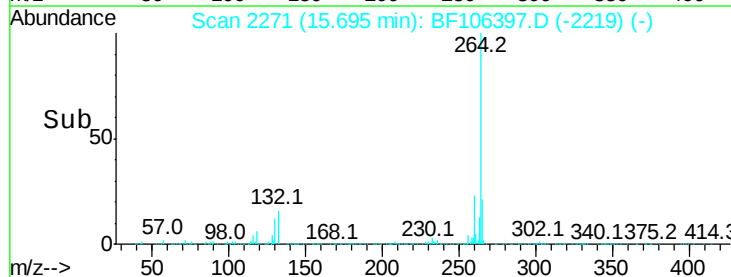
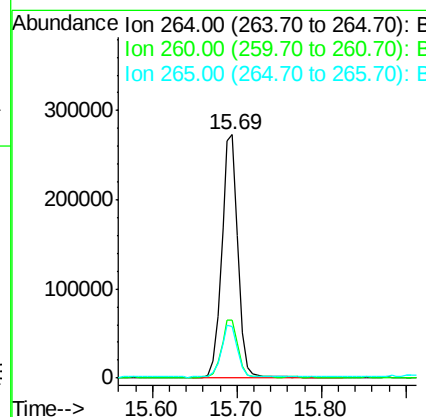
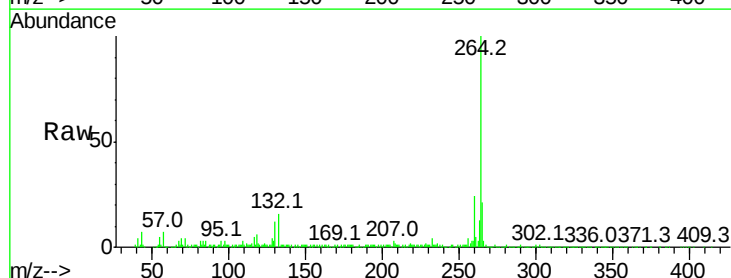
Instrument :
 BNA_F
 ClientSampleId :

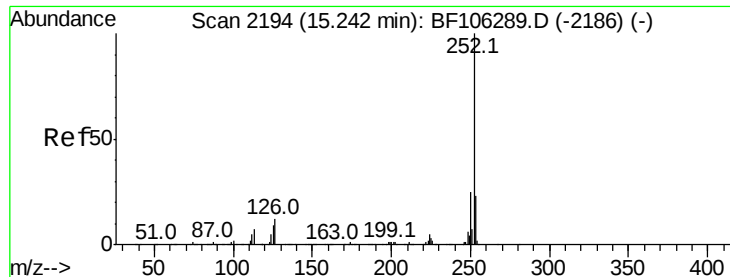
Tot Ion:228 Resp: 47435
 Ion Ratio Lower Upper
 228 100
 226 30.1 25.0 37.6
 229 24.7 16.2 24.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: BF106397.D
 Acq: 13 Jun 2018 17:59

Tgt Ion:264 Resp: 364205
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.4 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 3.198 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BF106397.D

Acq: 13 Jun 2018 17:59

Instrument :

BNA_F

ClientSampleId :

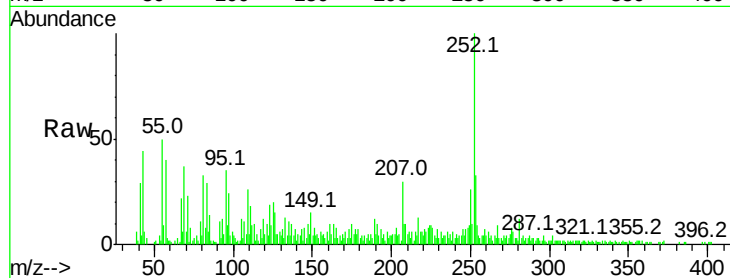
Tot Ion:252 Resp: 70411

Ion Ratio Lower Upper

252 100

253 33.4 17.0 25.6#

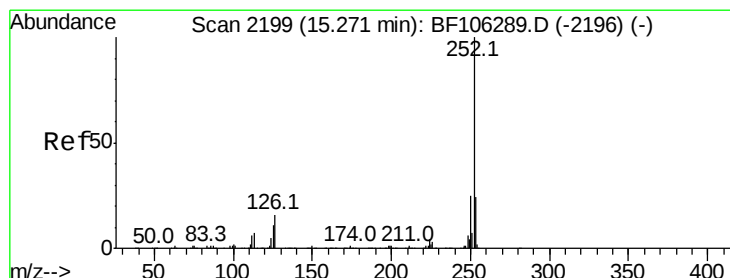
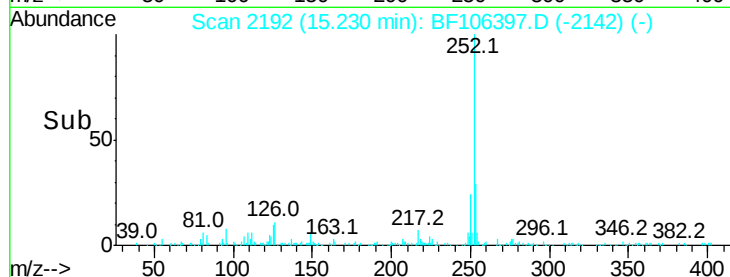
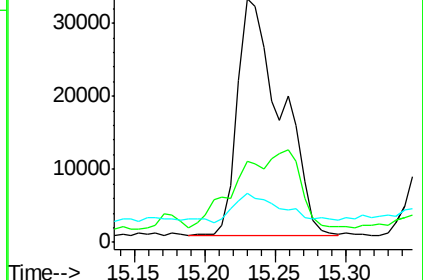
125 20.0 9.0 13.6#



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: 3.229 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.04 min

Lab File: BF106397.D

Acq: 13 Jun 2018 17:59

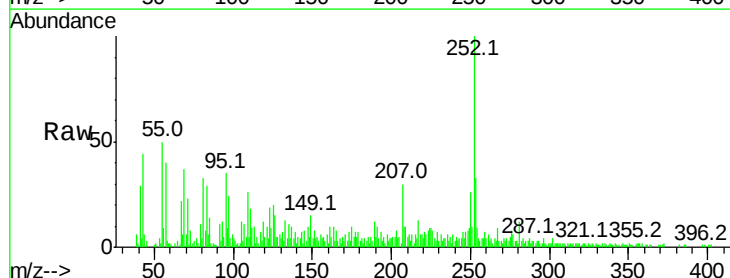
Tgt Ion:252 Resp: 70411

Ion Ratio Lower Upper

252 100

253 33.4 17.9 26.9#

125 20.0 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

