

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106356.D
 Acq On : 12 Jun 2018 20:30
 Operator : JU/SJ
 Sample : J3354-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 13 01:10:28 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	146879	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	495243	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	199676	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	392401	20.00	ng	0.00
75) Chrysene-d12	14.15	240	427038	20.00	ng	0.00
86) Perylene-d12	15.69	264	311798	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	1058774	122.00	ng	0.02
7) Phenol-d6	6.60	99	1271841	116.00	ng	0.01
23) Nitrobenzene-d5	7.54	82	808595	96.05	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	303092	157.76	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1243083	129.58	ng	0.00
78) Terphenyl-d14	13.09	244	1508227	87.72	ng	0.00

Target Compounds

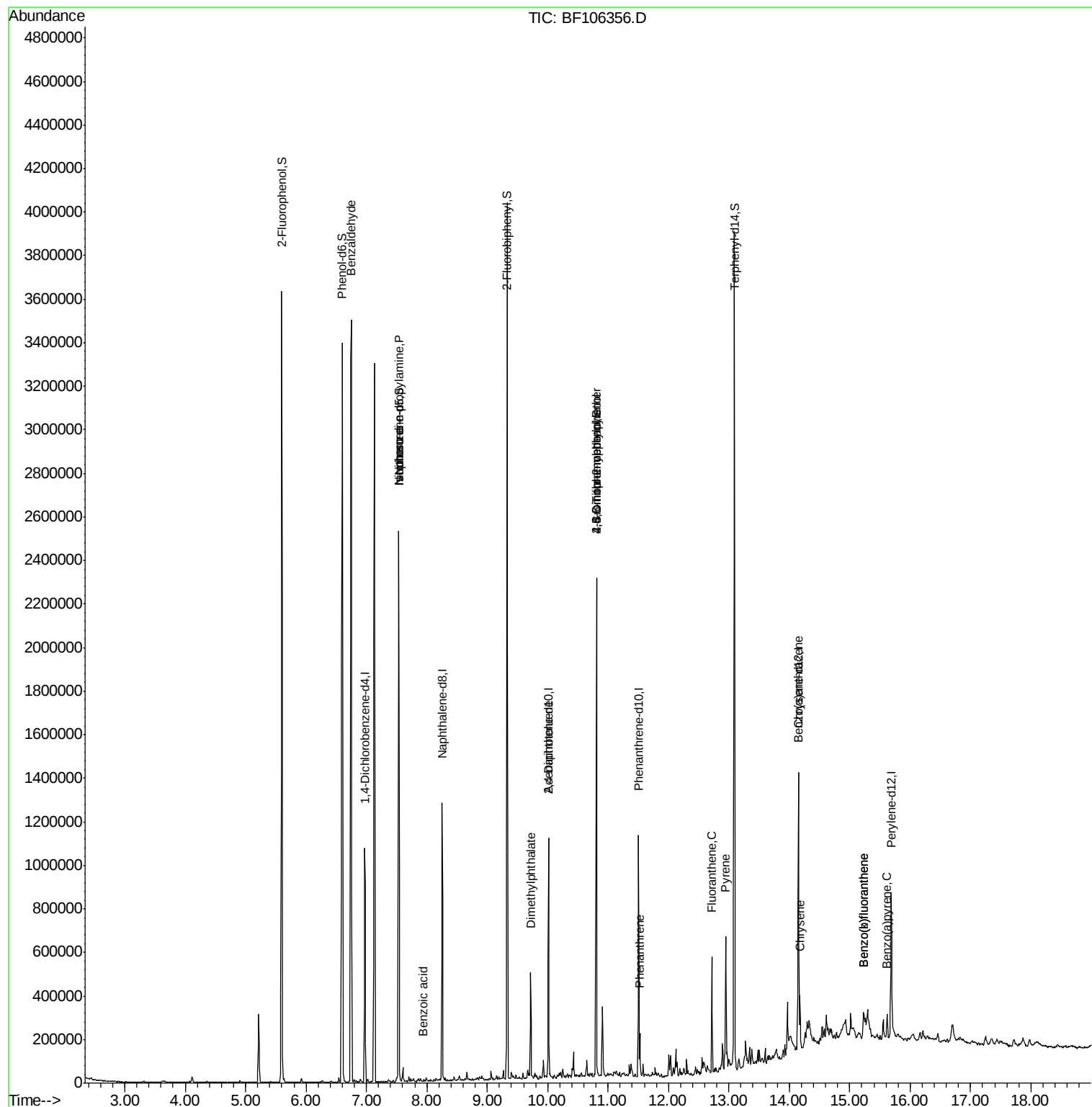
						Qvalue
9) Benzaldehyde	6.75	77	25147	3.024	ng	82
19) n-Nitroso-di-n-propylamine	7.54	70	113843	13.840	ng	# 74
25) Isophorone	7.54	82	808595	49.175	ng	# 64
32) Benzoic acid	7.93	122	151	7.314	ng	# 55
49) Dimethylphthalate	9.72	163	138382	9.700	ng	99
56) 2,4-Dinitrotoluene	10.01	165	26065	7.123	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.81	198	645	6.560	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	19308	4.326	ng	# 1
70) Phenanthrene	11.53	178	70503	3.669	ng	98
74) Fluoranthene	12.72	202	179237	8.746	ng	96
77) Pyrene	12.95	202	234637	8.776	ng	99
80) Benzo(a)anthracene	14.14	228	104762	4.122	ng	99
82) Chrysene	14.18	228	89864	3.873	ng	97
87) Benzo(b)fluoranthene	15.23	252	93934	4.984	ng	97
88) Benzo(k)fluoranthene	15.23	252	93934	5.032	ng	99
89) Benzo(a)pyrene	15.62	252	59502	3.510	ng	95

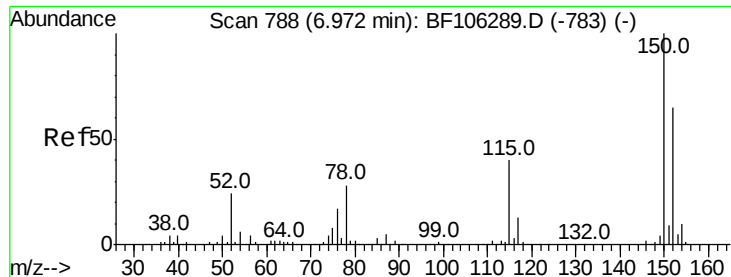
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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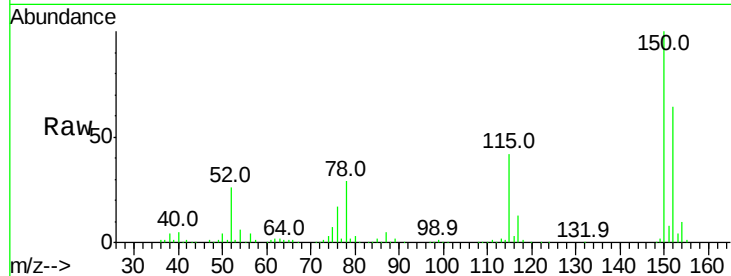


#1

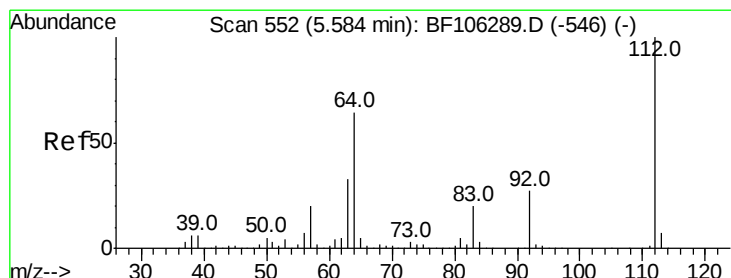
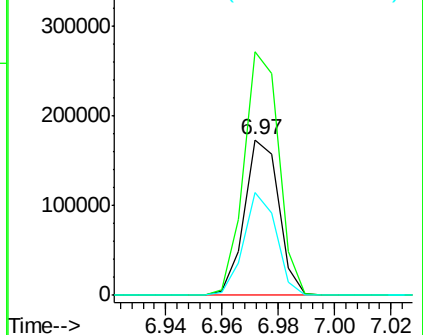
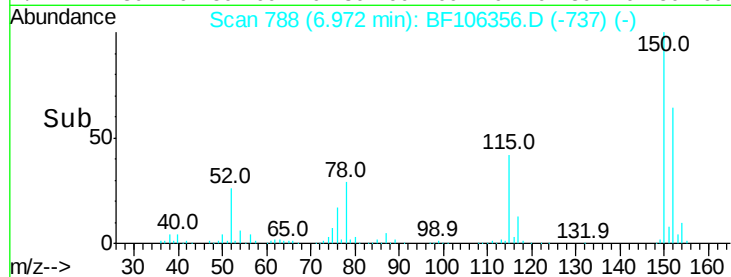
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF106356.D
Acq: 12 Jun 2018 20:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146879
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 65.7 50.1 75.1



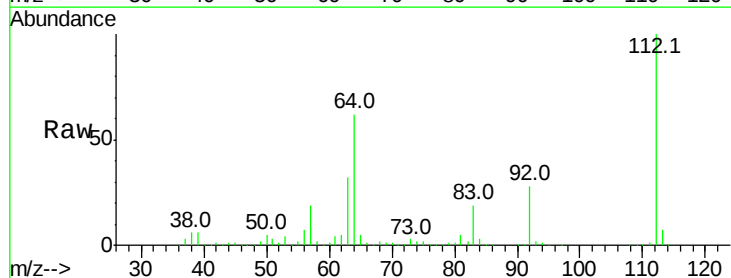
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



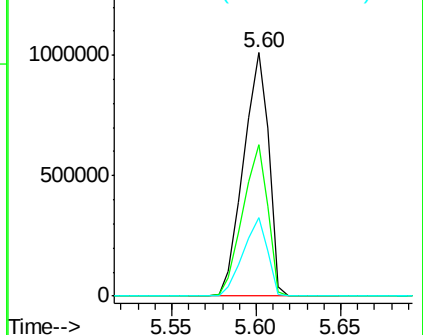
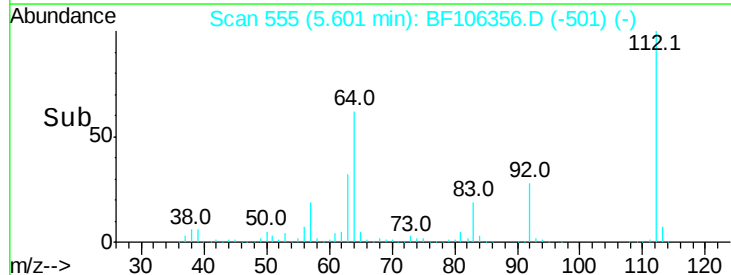
#5

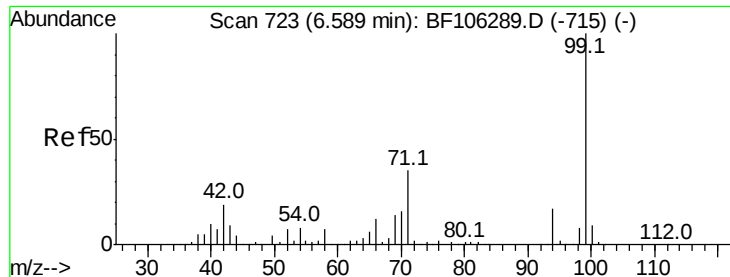
2-Fluorophenol
Concen: 122.003 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.02 min
Lab File: BF106356.D
Acq: 12 Jun 2018 20:30

Tgt Ion:112 Resp: 1058774
Ion Ratio Lower Upper
112 100
64 62.3 47.9 71.9
63 32.3 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: 116.000 ng

RT: 6.60 min Scan# 725

Delta R.T. 0.01 min

Lab File: BF106356.D

Acq: 12 Jun 2018 20:30

Instrument :

BNA_F

ClientSampleId :

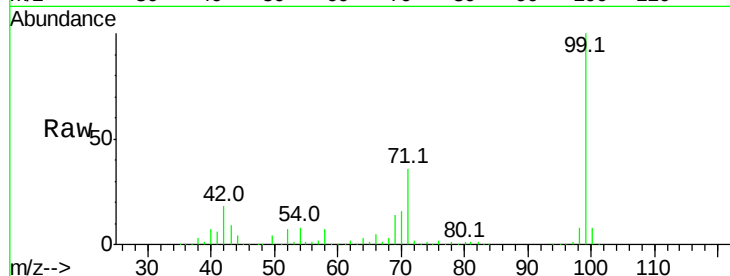
Tot Ion: 99 Resp: 1271841

Ion Ratio Lower Upper

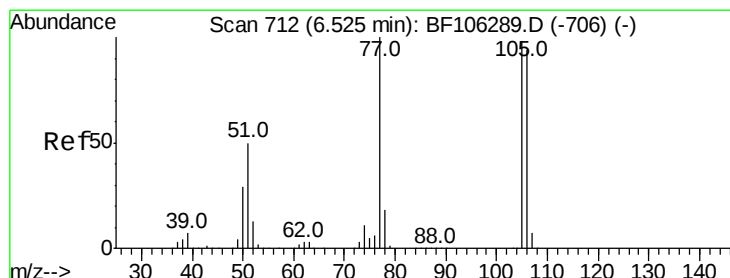
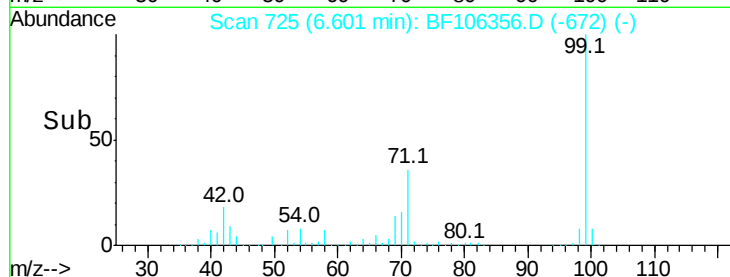
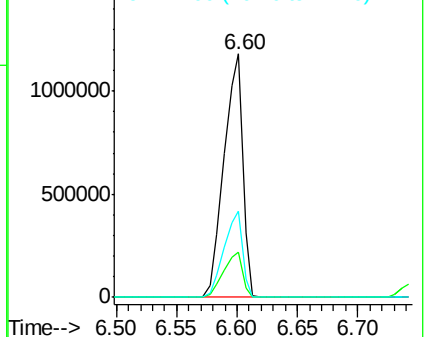
99 100

42 18.4 14.5 21.7

71 35.7 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: 3.024 ng

RT: 6.75 min Scan# 750

Delta R.T. 0.22 min

Lab File: BF106356.D

Acq: 12 Jun 2018 20:30

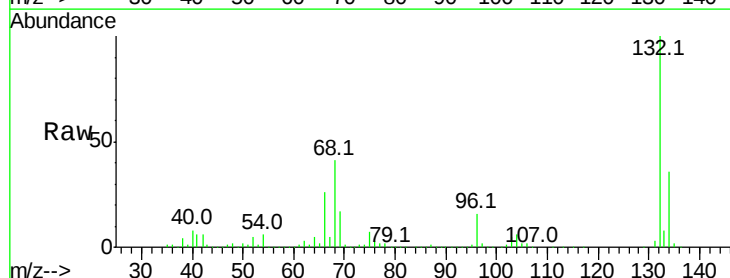
Tgt Ion: 77 Resp: 25147

Ion Ratio Lower Upper

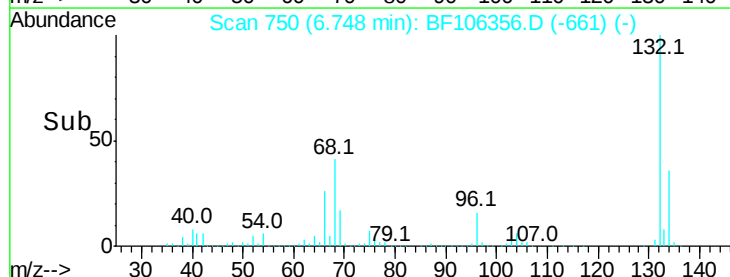
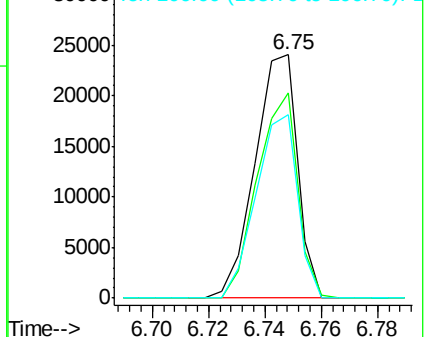
77 100

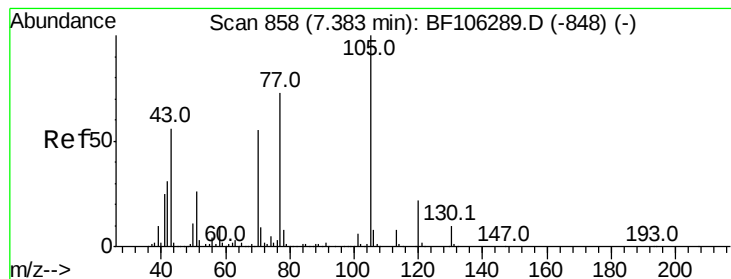
105 84.5 81.1 121.1

106 75.2 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





#19

n-Nitroso-di-n-propylamine

Concen: 13.840 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF106356.D

Acq: 12 Jun 2018 20:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 113843

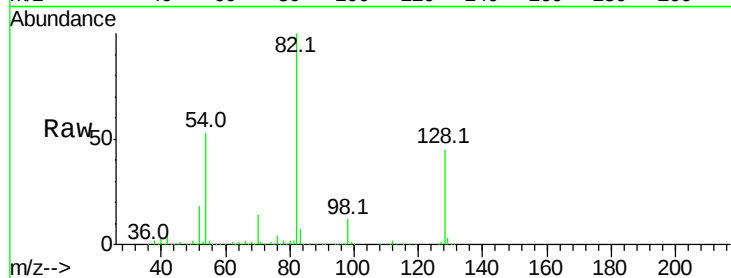
Ion Ratio Lower Upper

70 100

42 44.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

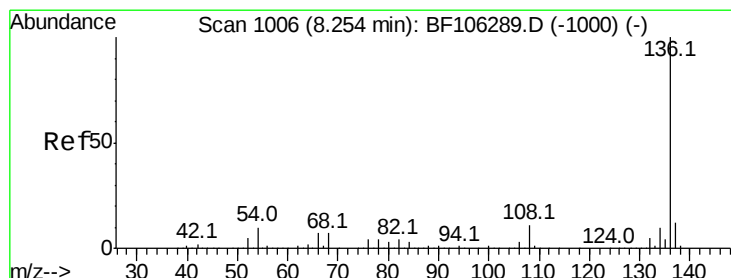
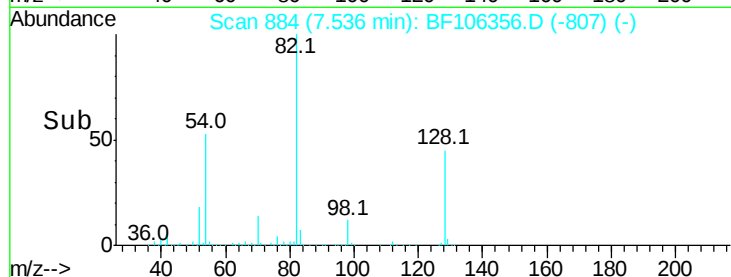
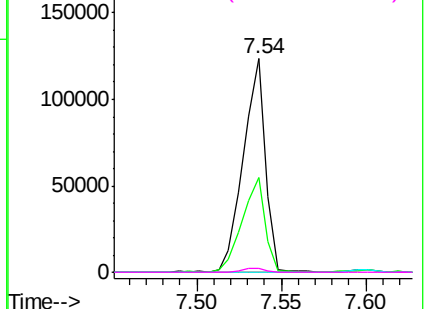


Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1006

Delta R.T. 0.00 min

Lab File: BF106356.D

Acq: 12 Jun 2018 20:30

Tgt Ion:136 Resp: 495243

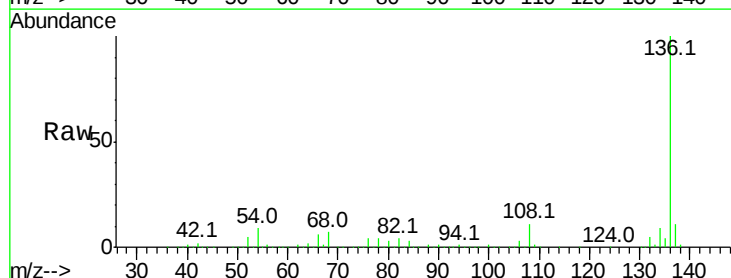
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.7 6.6 9.8

68 6.8 5.0 7.4

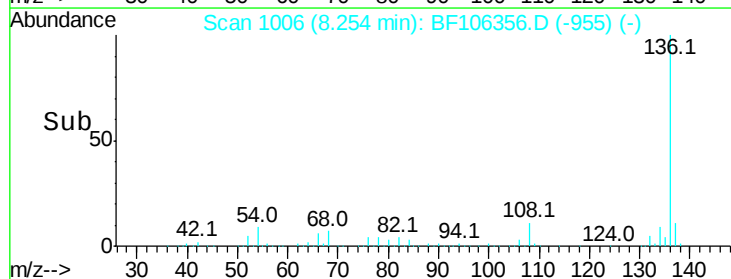
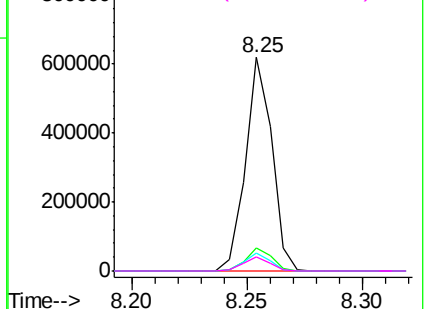


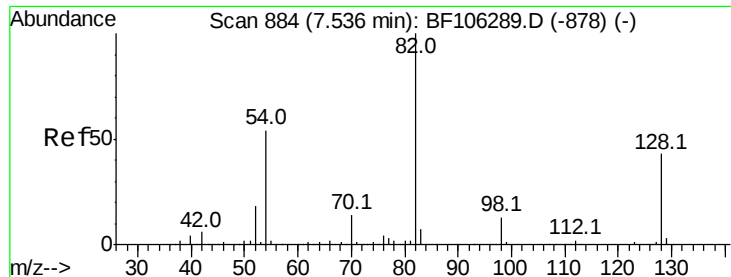
Abundance Ion 136.00 (135.70 to 136.70): BF1

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

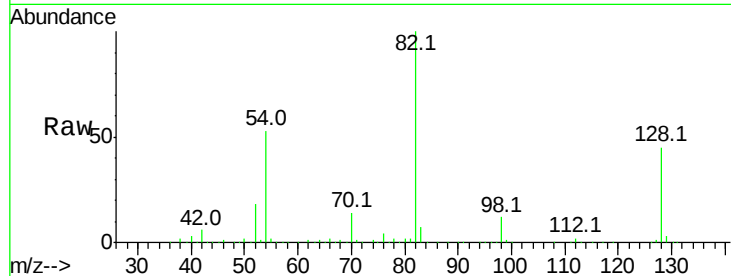




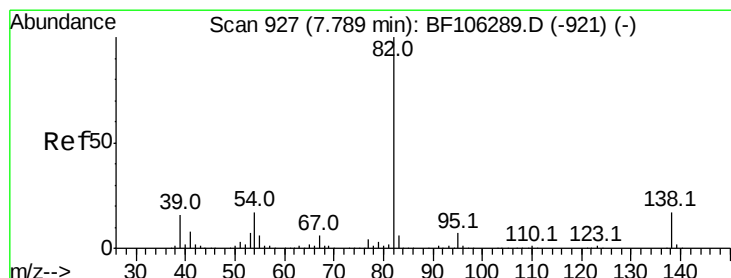
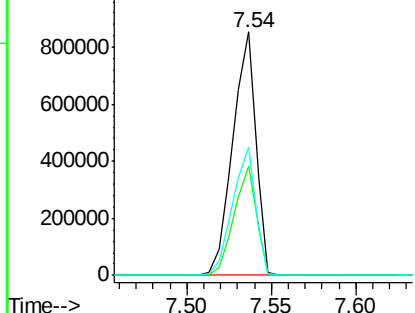
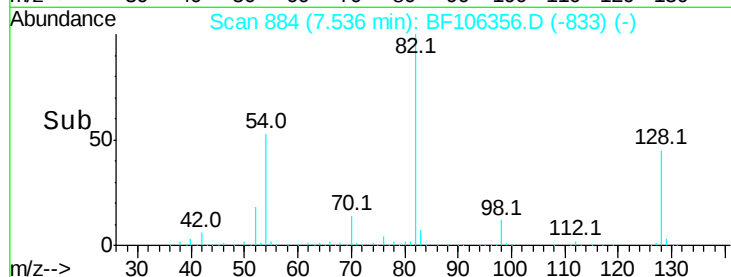
#23
Nitrobenzene-d5
Concen: 96.051 ng
RT: 7.54 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF106356.D
Acq: 12 Jun 2018 20:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.1	54.1
54	52.9	41.4	62.2

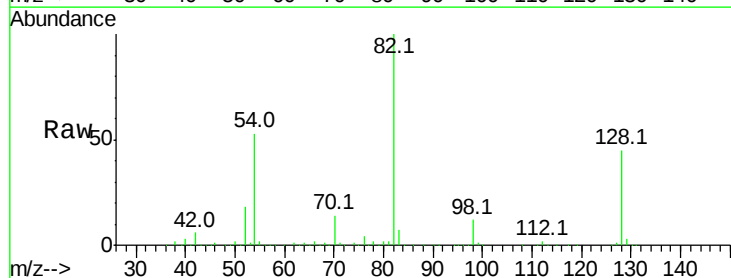


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

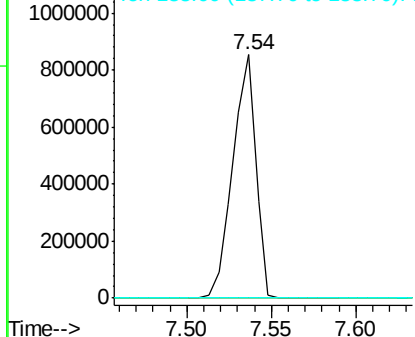
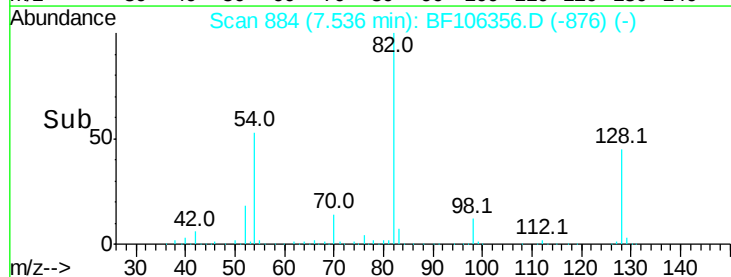


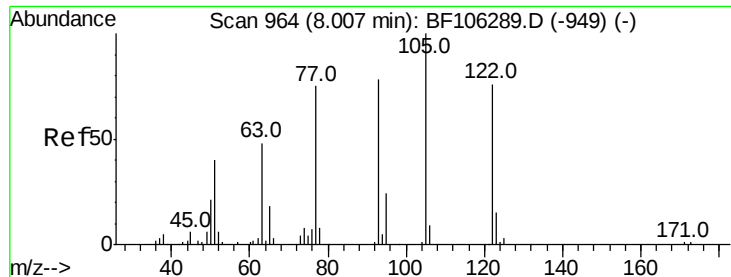
#25
Isophorone
Concen: 49.175 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.25 min
Lab File: BF106356.D
Acq: 12 Jun 2018 20:30

Tgt 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: 7.314 ng

RT: 7.93 min Scan# 951

Delta R.T. -0.08 min

Lab File: BF106356.D

Acq: 12 Jun 2018 20:30

Instrument :

BNA_F

ClientSampleId :

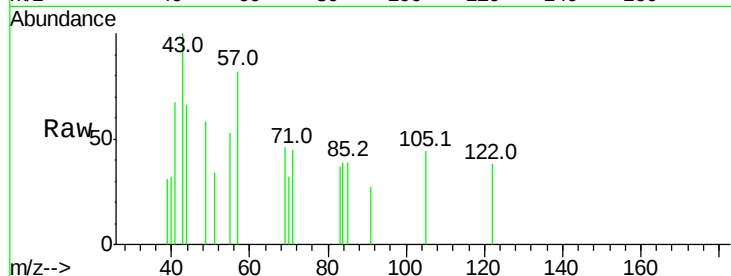
Tot Ion:122 Resp: 151

Ion Ratio Lower Upper

122 100

105 114.2 101.1 141.1

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

7.93

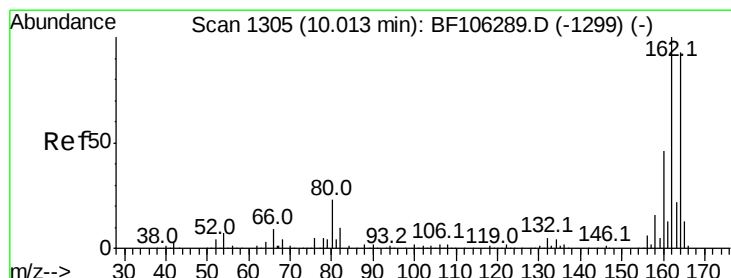
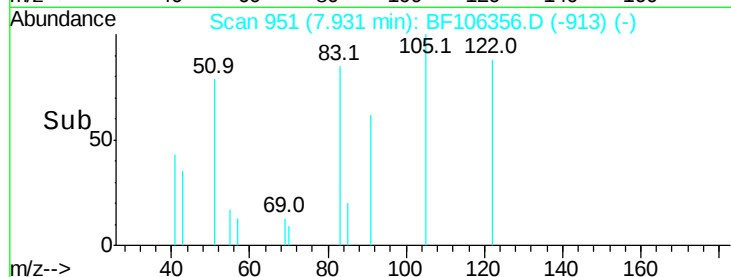
400

200

0

7.91 7.92 7.93 7.94 7.95

Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF106356.D

Acq: 12 Jun 2018 20:30

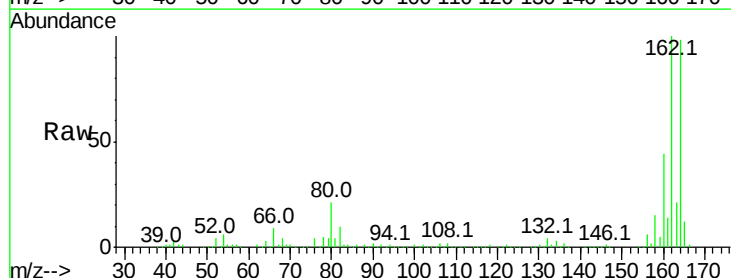
Tgt Ion:164 Resp: 199676

Ion Ratio Lower Upper

164 100

162 102.4 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

10.01

300000

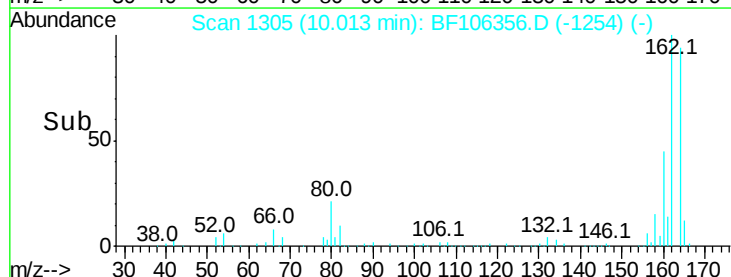
200000

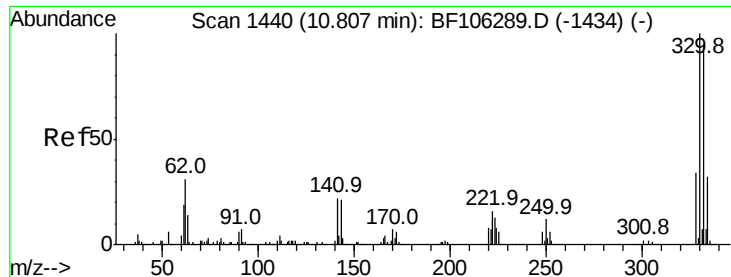
100000

0

10.00 10.05

Time-->

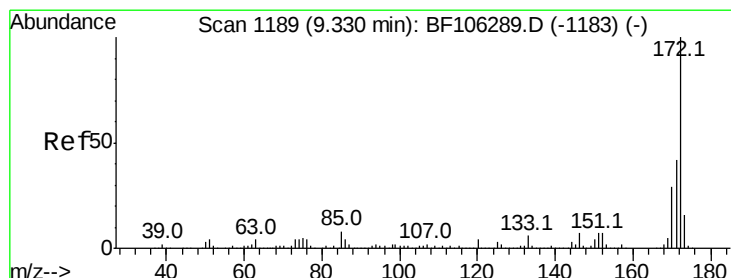
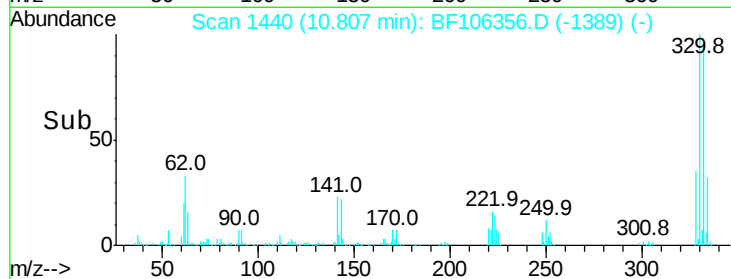
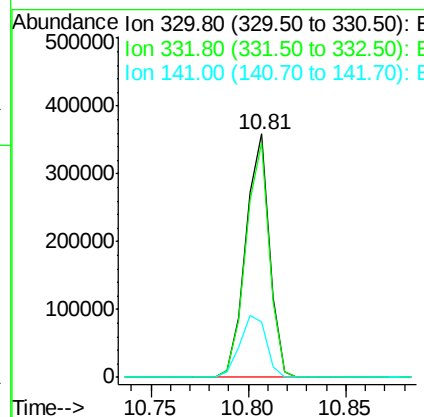
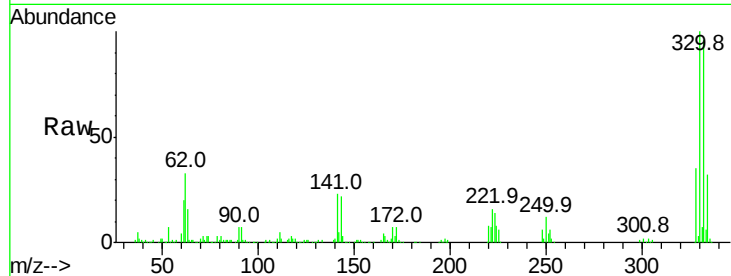




#41
 2,4,6-Tribromophenol
 Concen: 157.759 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF106356.D
 Acq: 12 Jun 2018 20:30

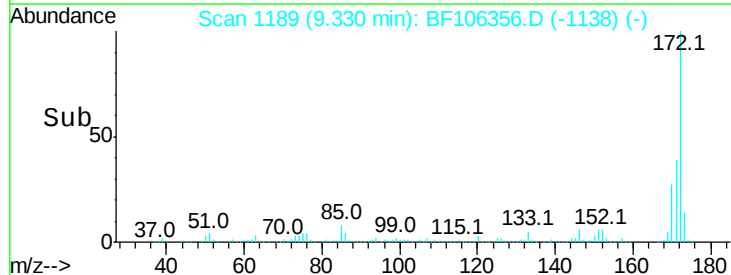
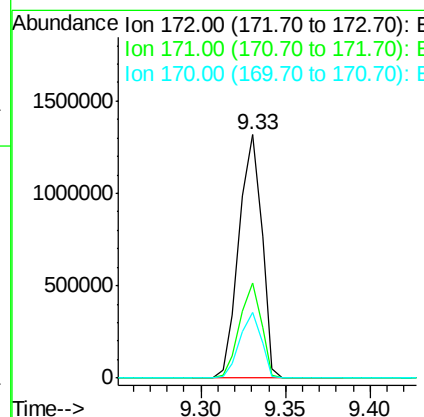
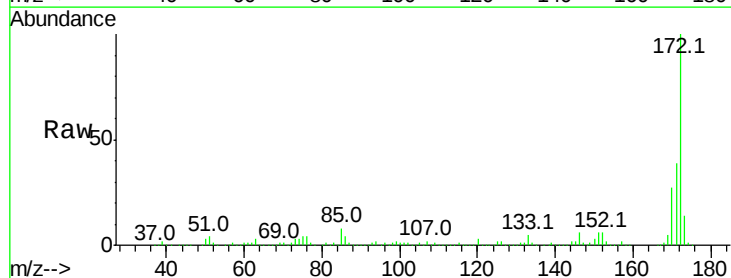
Instrument :
 BNA_F
 ClientSampleId :

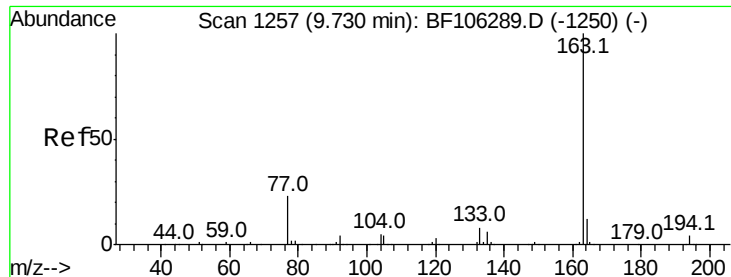
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	28.6	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 129.576 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF106356.D
 Acq: 12 Jun 2018 20:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.2	29.7	44.5
170	27.0	19.6	29.4

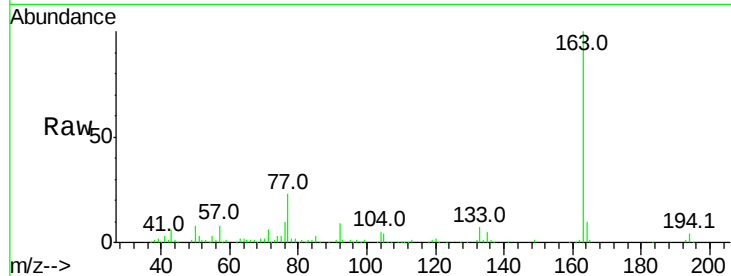




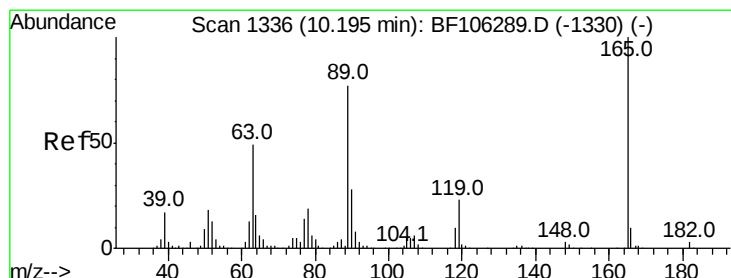
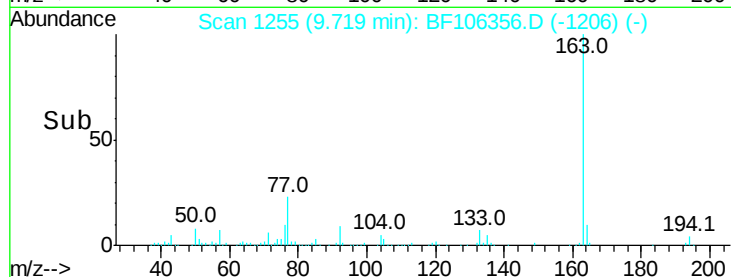
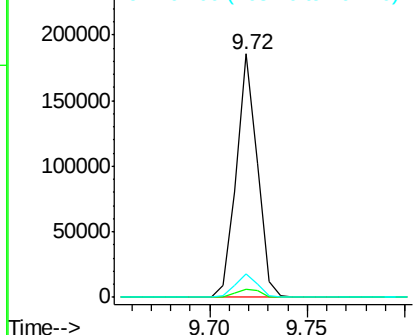
#49
Dimethylphthalate
Concen: 9.700 ng
RT: 9.72 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF106356.D
Acq: 12 Jun 2018 20:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 138382
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.8 8.2 12.2

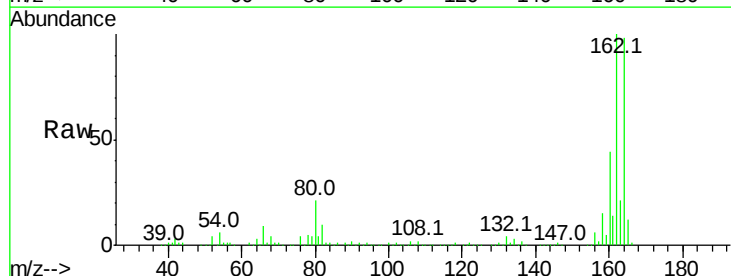


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

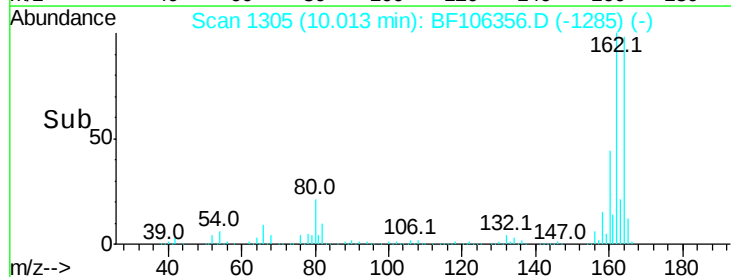
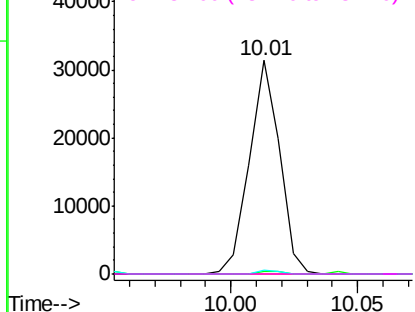


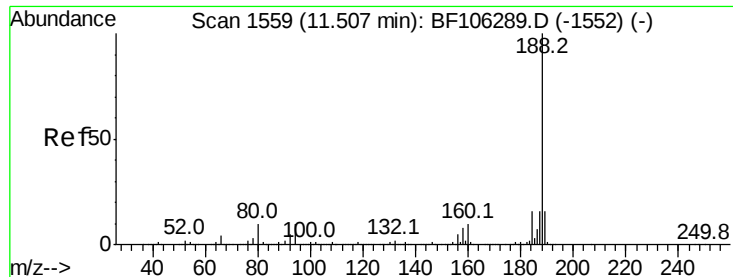
#56
2,4-Dinitrotoluene
Concen: 7.123 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.18 min
Lab File: BF106356.D
Acq: 12 Jun 2018 20:30

Tgt Ion:165 Resp: 26065
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 1.7 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

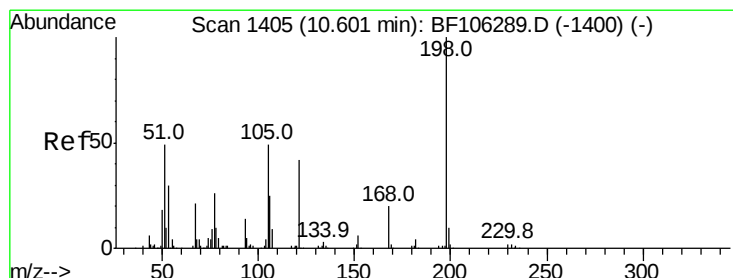
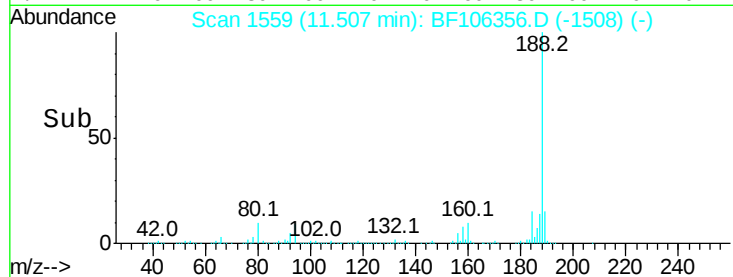
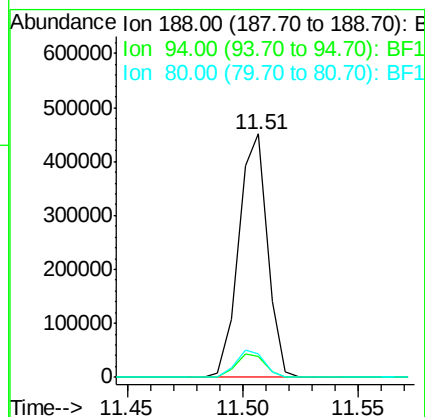
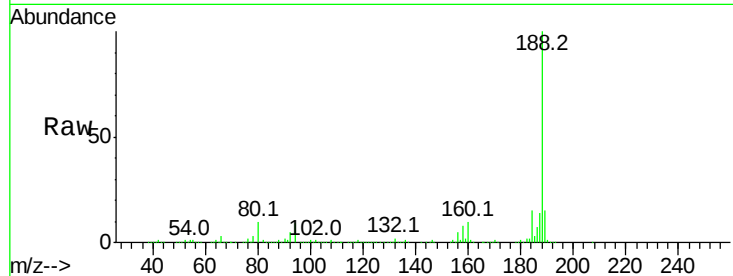




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BF106356.D
Acq: 12 Jun 2018 20:30

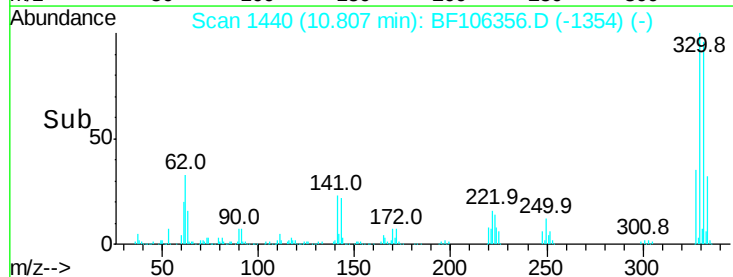
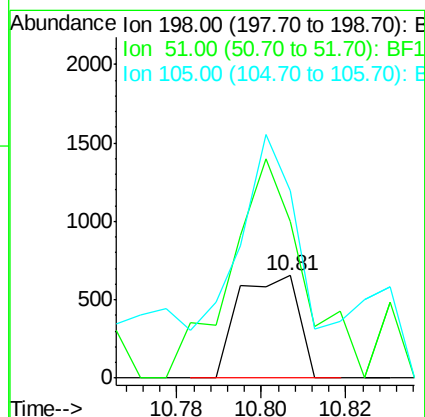
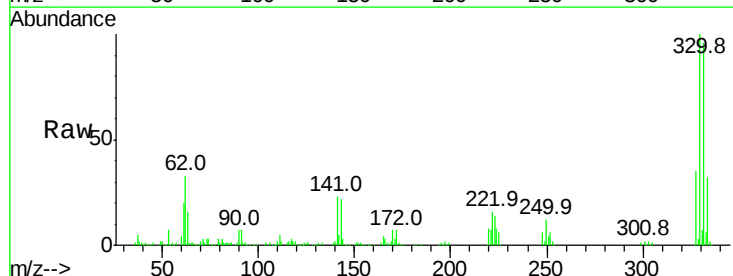
Instrument :
BNA_F
ClientSampleId :

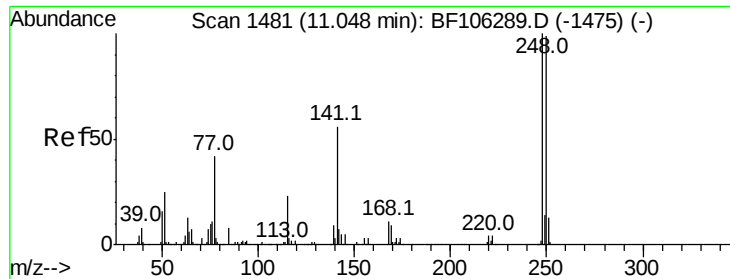
Tot Ion:188 Resp: 392401
Ion Ratio Lower Upper
188 100
94 8.8 8.5 12.7
80 9.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 6.560 ng
RT: 10.81 min Scan# 1440
Delta R.T. 0.21 min
Lab File: BF106356.D
Acq: 12 Jun 2018 20:30

Tgt Ion:198 Resp: 645
Ion Ratio Lower Upper
198 100
51 153.5 37.7 77.7#
105 183.0 36.3 76.3#

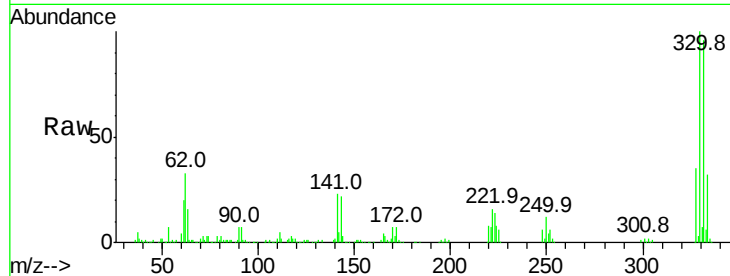




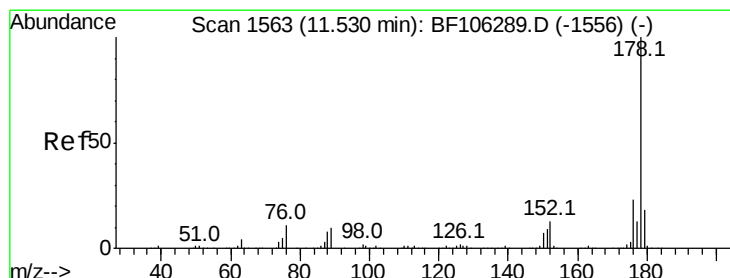
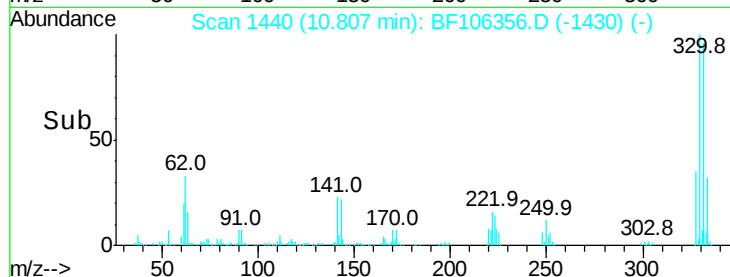
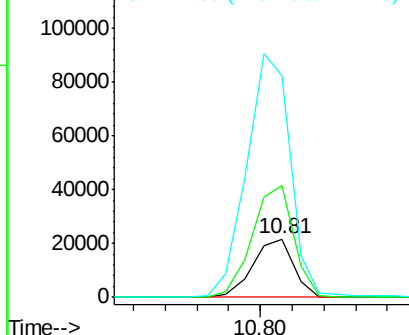
#66
4-Bromophenyl-phenylether
Concen: 4.326 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF106356.D
Acq: 12 Jun 2018 20:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 19308
Ion Ratio Lower Upper
248 100
250 191.6 76.9 115.3#
141 381.1 74.4 111.6#

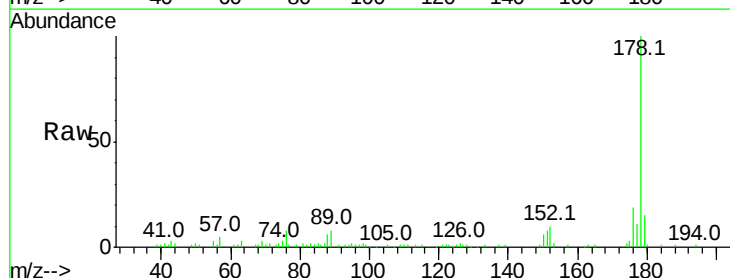


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

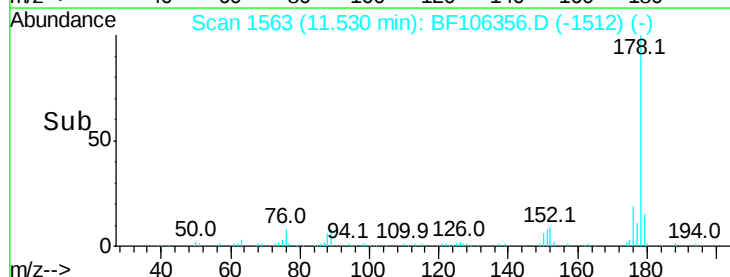
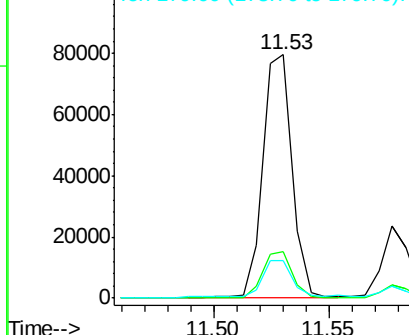


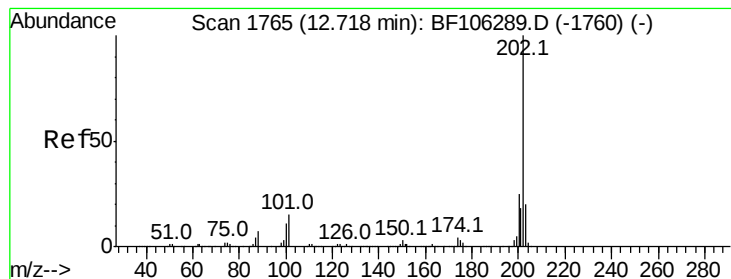
#70
Phenanthrene
Concen: 3.669 ng
RT: 11.53 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BF106356.D
Acq: 12 Jun 2018 20:30

Tgt Ion:178 Resp: 70503
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.5 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: 8.746 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106356.D

Acq: 12 Jun 2018 20:30

Instrument :

BNA_F

ClientSampleId :

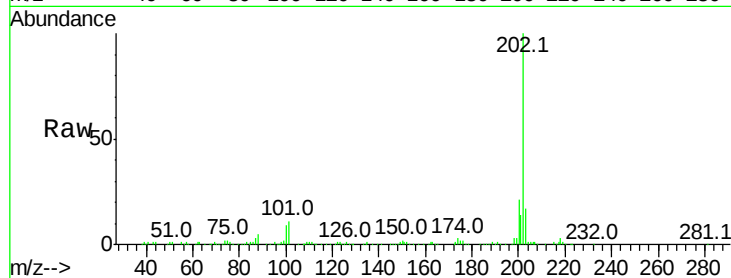
Tot Ion:202 Resp: 179237

Ion Ratio Lower Upper

202 100

101 11.4 0.0 34.1

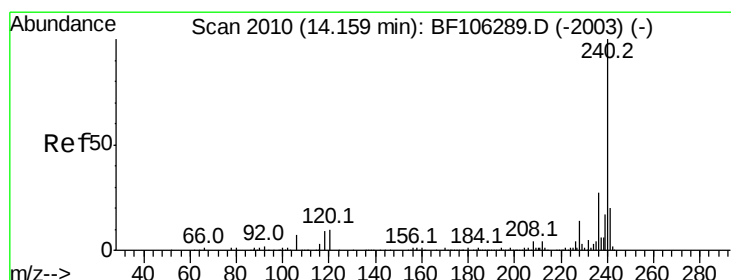
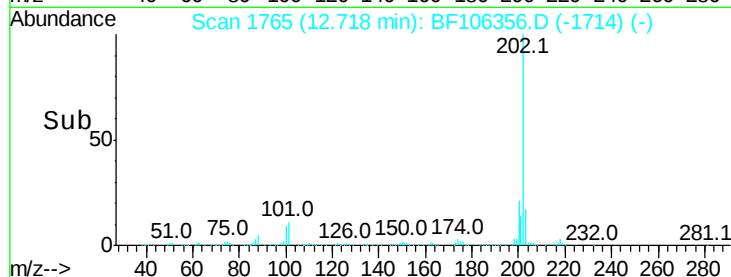
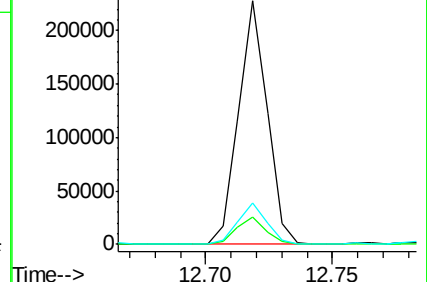
203 17.2 0.0 38.1



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: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF106356.D

Acq: 12 Jun 2018 20:30

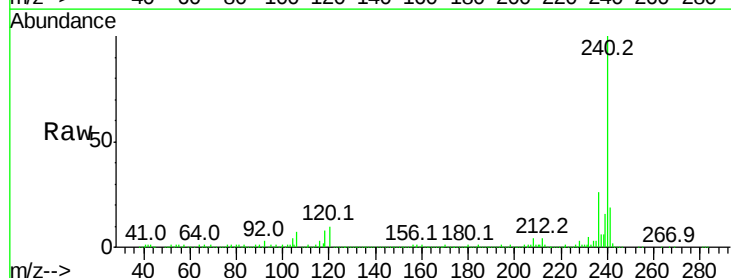
Tgt Ion:240 Resp: 427038

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

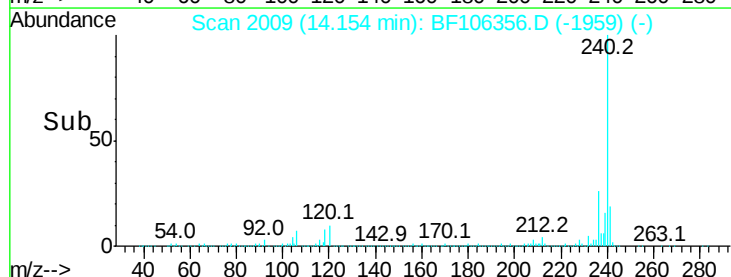
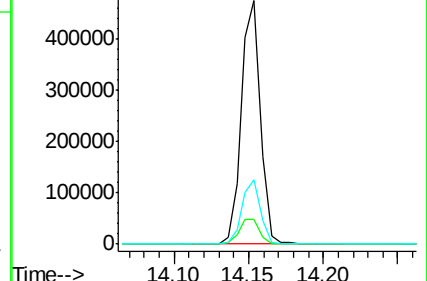
236 26.3 20.7 31.1

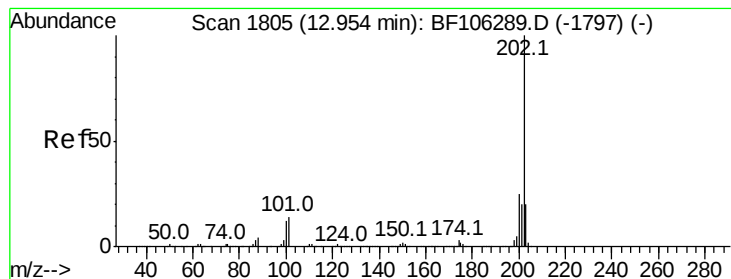


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.776 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF106356.D

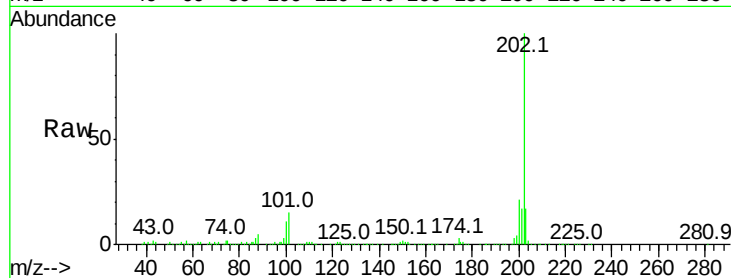
Acq: 12 Jun 2018 20:30

Instrument :

BNA_F

ClientSampleId :

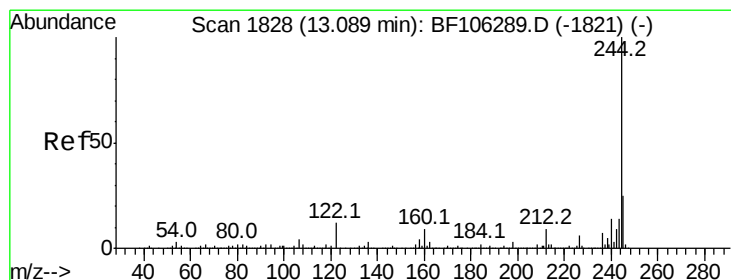
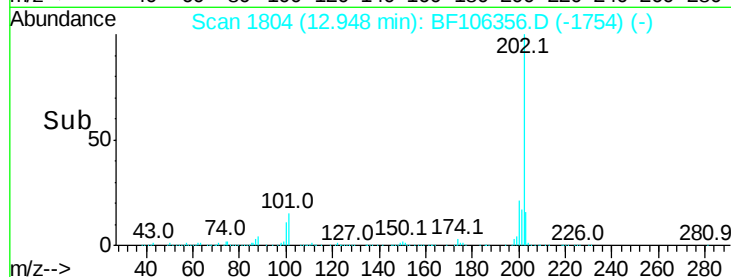
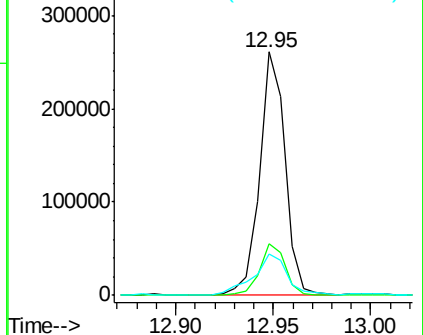
Tot Ion:	202	Resp:	234637
Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.0	14.3	21.5



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: 87.723 ng

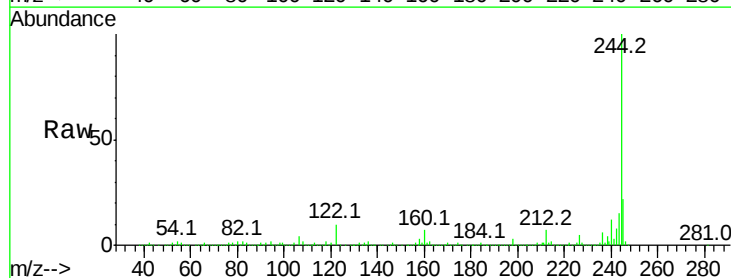
RT: 13.09 min Scan# 1829

Delta R.T. 0.01 min

Lab File: BF106356.D

Acq: 12 Jun 2018 20:30

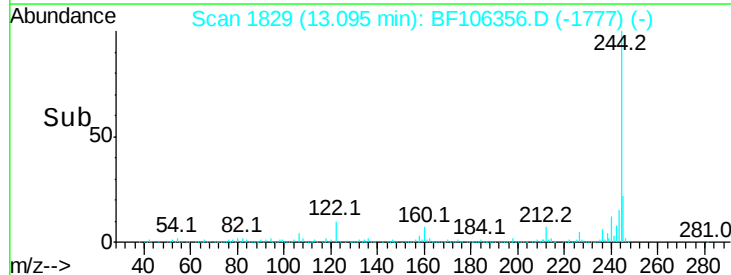
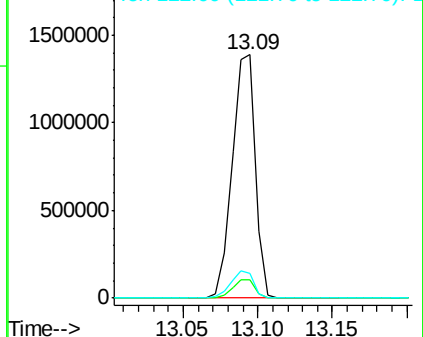
Tgt Ion:	244	Resp:	1508227
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	10.0	11.0	16.4

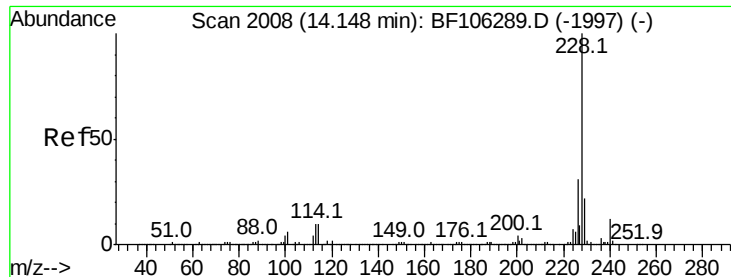


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.122 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF106356.D

Acq: 12 Jun 2018 20:30

Instrument :

BNA_F

ClientSampleId :

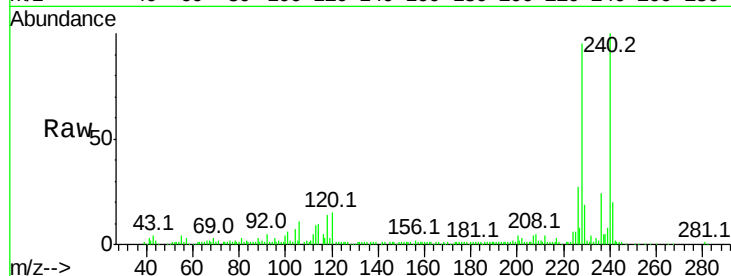
Tot Ion:228 Resp: 104762

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

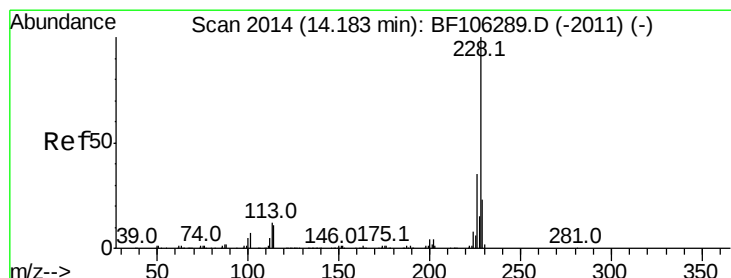
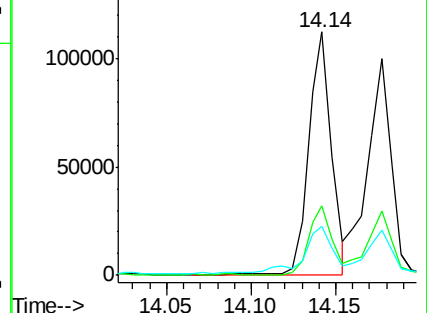
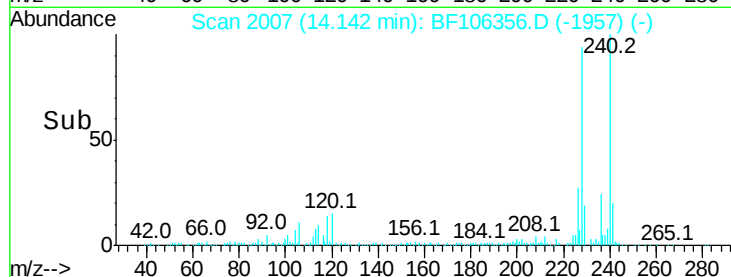
229 20.3 15.8 23.6



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: 3.873 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF106356.D

Acq: 12 Jun 2018 20:30

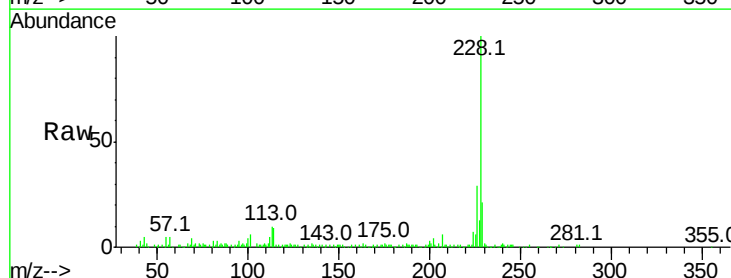
Tgt Ion:228 Resp: 89864

Ion Ratio Lower Upper

228 100

226 29.5 25.0 37.6

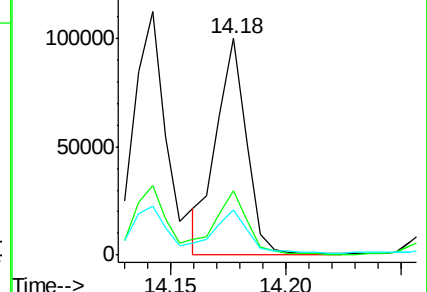
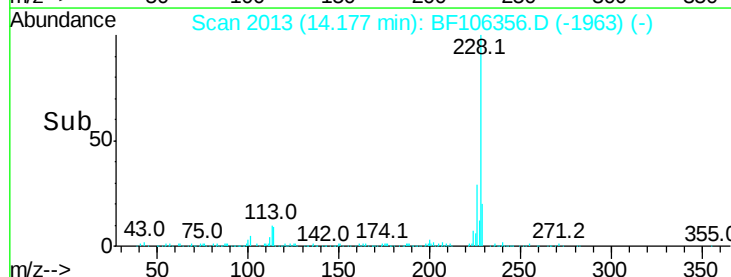
229 21.1 16.2 24.4

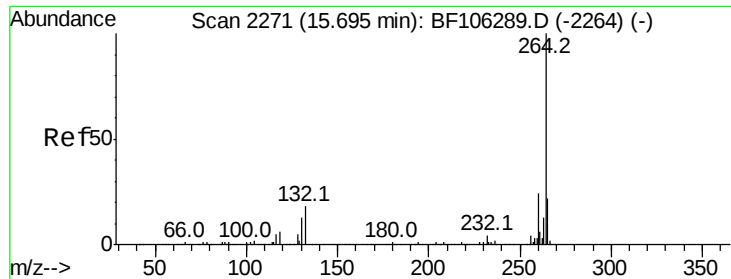


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

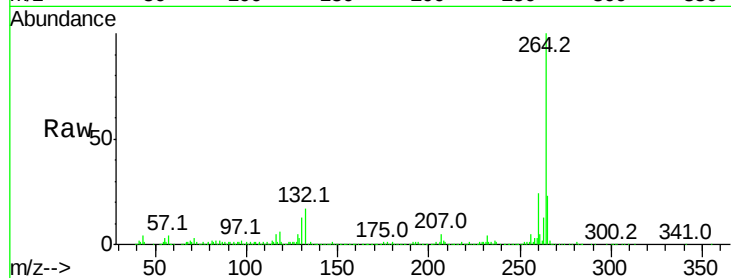




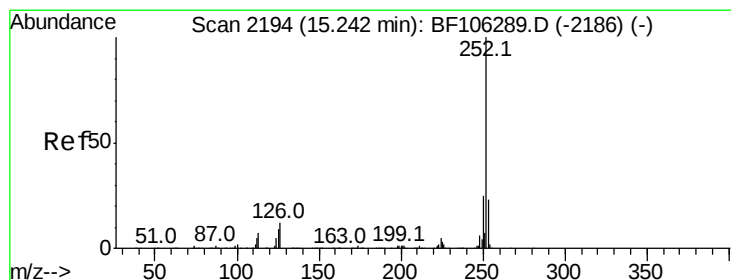
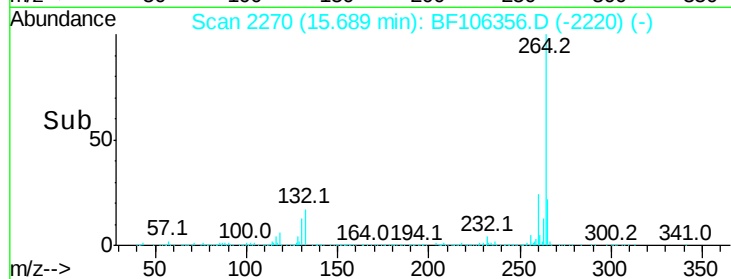
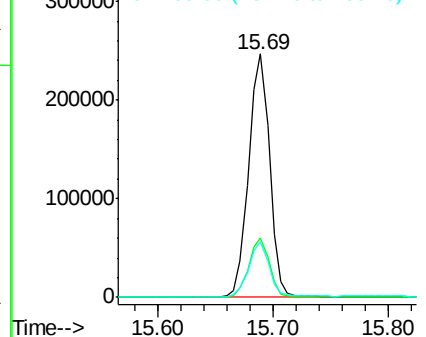
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF106356.D
Acq: 12 Jun 2018 20:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 311798
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 22.7 17.5 26.3

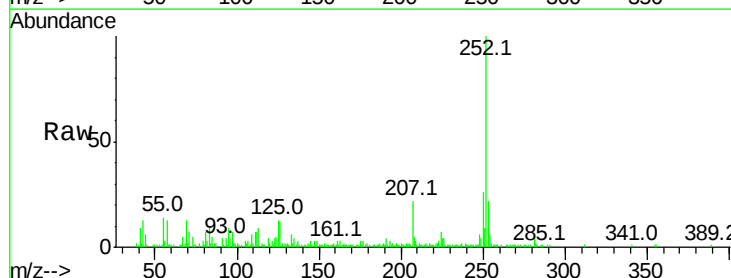


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

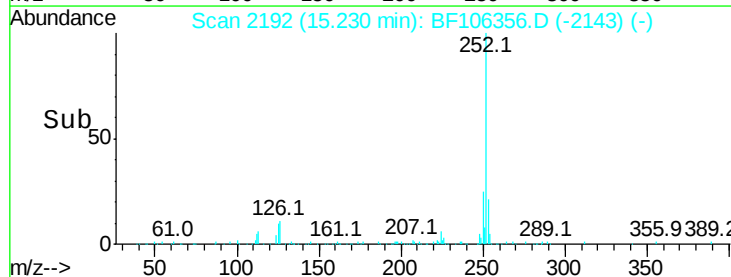
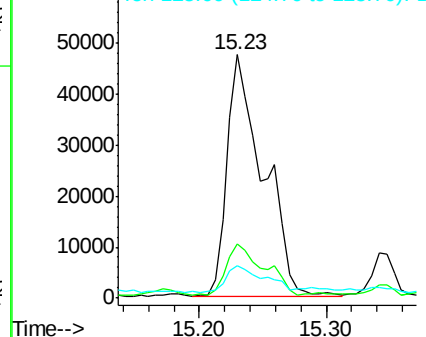


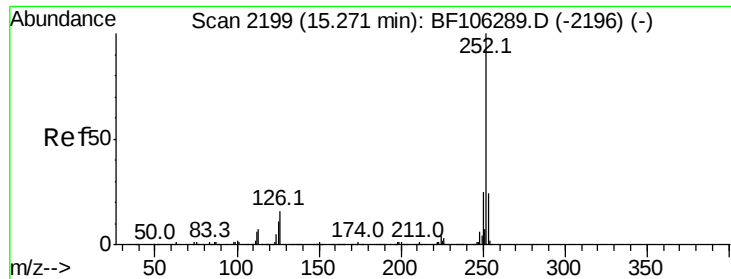
#87
Benzo(b)fluoranthene
Concen: 4.984 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF106356.D
Acq: 12 Jun 2018 20:30

Tgt Ion:252 Resp: 93934
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 13.3 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

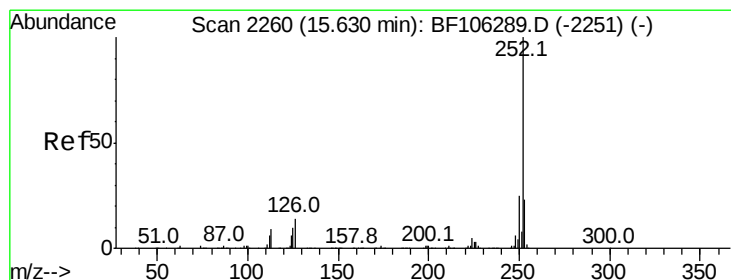
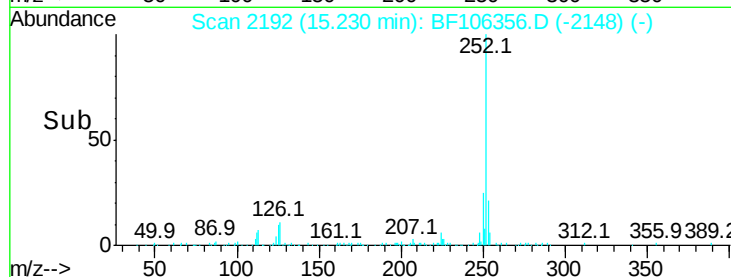
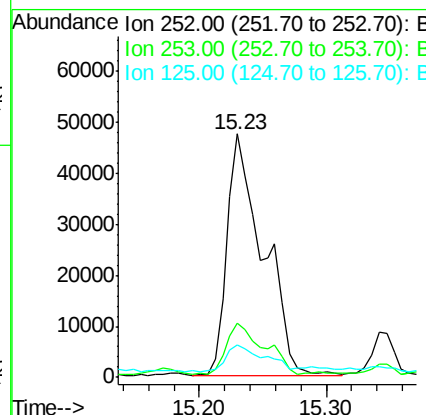
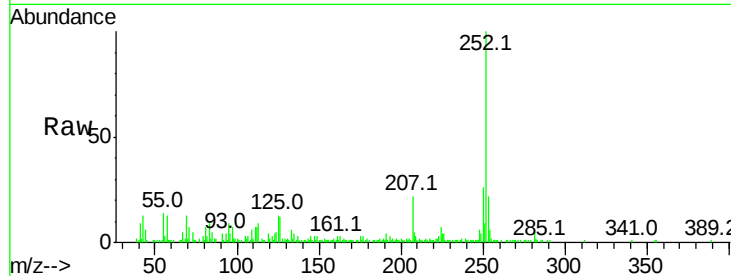




#88
Benzo(k)fluoranthene
Concen: 5.032 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.04 min
Lab File: BF106356.D
Acq: 12 Jun 2018 20:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	13.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.510 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF106356.D
Acq: 12 Jun 2018 20:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	12.7	9.8	14.6

