

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\
 Data File : BF106333.D
 Acq On : 12 Jun 2018 9:27
 Operator : JU/SJ
 Sample : J3413-02DL 2X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

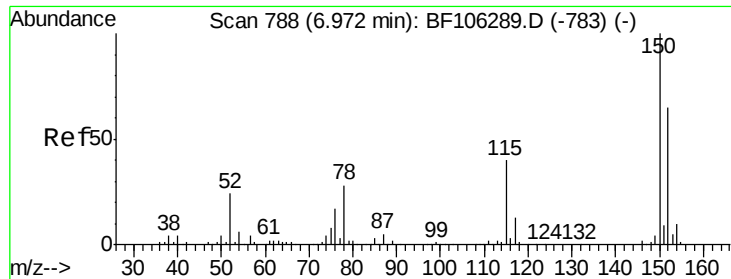
Quant Time: Jun 12 11:07:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	168813	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	611865	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	261883	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	433485	20.00	ng	0.00
75) Chrysene-d12	14.15	240	471984	20.00	ng	-0.01
86) Perylene-d12	15.68	264	367672	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	752246	75.42	ng	0.00
7) Phenol-d6	6.59	99	941340	74.70	ng	0.00
23) Nitrobenzene-d5	7.53	82	606499	58.31	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	190067	75.43	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	901648	53.67	ng	0.00
78) Terphenyl-d14	13.08	244	866230	45.58	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.50	117	102080	22.363	ng	# 1
19) n-Nitroso-di-n-propylamine	7.40	70	25089	2.654	ng	# 63
25) Isophorone	7.78	82	65985	3.248	ng	# 1
32) Benzoic acid	8.01	122	1904	7.543	ng	# 1
35) Caprolactam	8.71	113	9440	3.364	ng	# 1
37) 2-Methylnaphthalene	8.98	142	1089520	57.833	ng	95
49) Dimethylphthalate	9.72	163	132235	7.068	ng	# 89
51) Acenaphthene	10.05	154	60227	3.753	ng	# 63
53) 2,4-Dinitrophenol	10.08	184	988	9.116	ng	# 1
54) Dibenzofuran	10.22	168	64415	2.981	ng	# 1
55) 4-Nitrophenol	10.12	139	48289	13.889	ng	# 62
57) Fluorene	10.57	166	151466	8.848	ng	# 91
61) 4-Nitroaniline	10.48	138	10206	2.313	ng	87
64) 4,6-Dinitro-2-methylphenol	10.58	198	1219	6.748	ng	# 1
65) n-Nitrosodiphenylamine	10.67	169	181839	12.481	ng	# 40
70) Phenanthrene	11.53	178	399921	18.838	ng	98
71) Anthracene	11.53	178	399921	18.804	ng	96
77) Pyrene	12.95	202	74767	2.530	ng	96

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

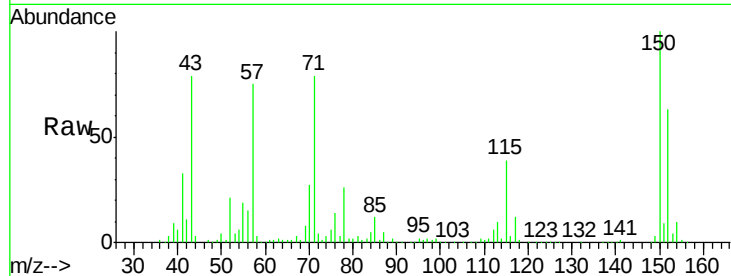


#1

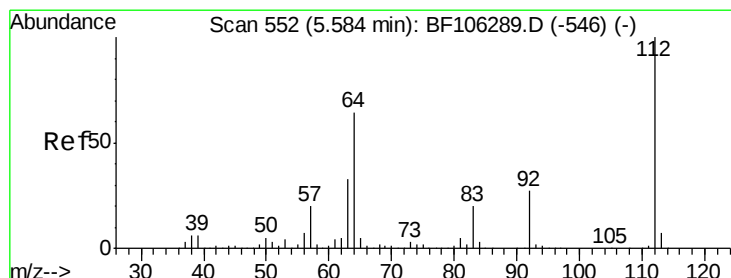
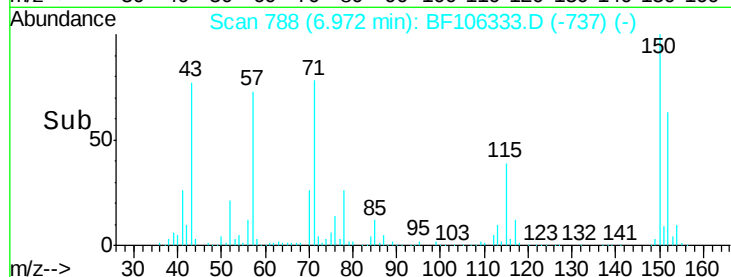
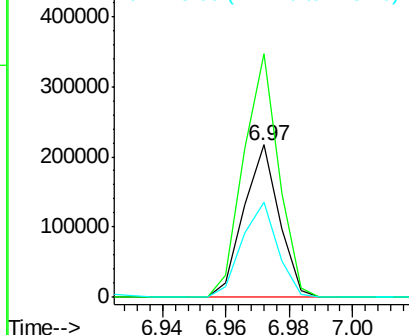
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF106333.D
Acq: 12 Jun 2018 9:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 168813
Ion Ratio Lower Upper
152 100
150 159.6 124.6 186.8
115 62.0 50.1 75.1



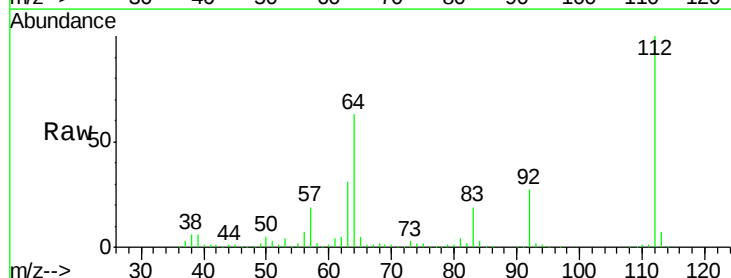
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



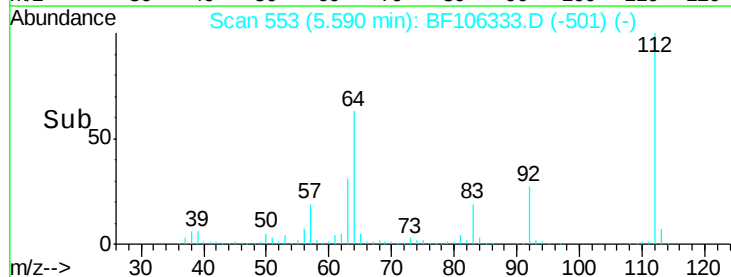
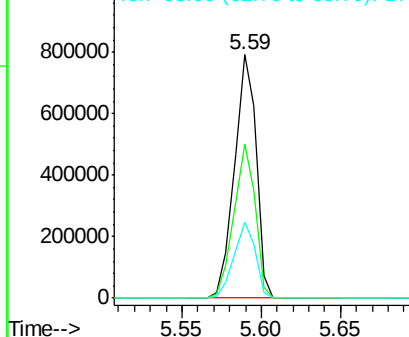
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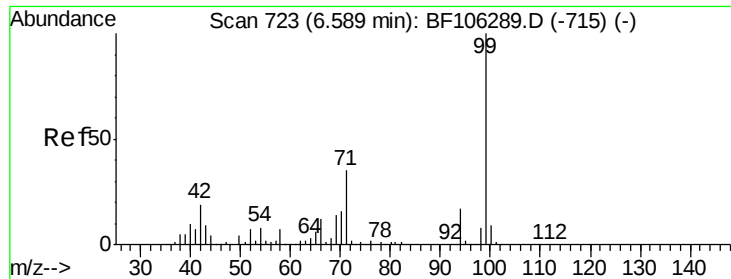
2-Fluorophenol
Concen: 75.419 ng
RT: 5.59 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF106333.D
Acq: 12 Jun 2018 9:27

Tgt Ion:112 Resp: 752246
Ion Ratio Lower Upper
112 100
64 63.1 47.9 71.9
63 31.2 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: 74.701 ng

RT: 6.59 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF106333.D

Acq: 12 Jun 2018 9:27

Instrument :

BNA_F

ClientSampled :

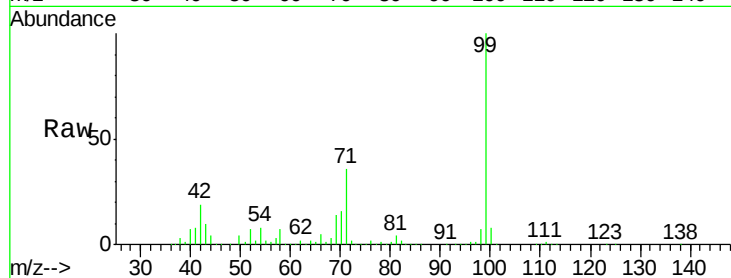
Tot Ion: 99 Resp: 941340

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

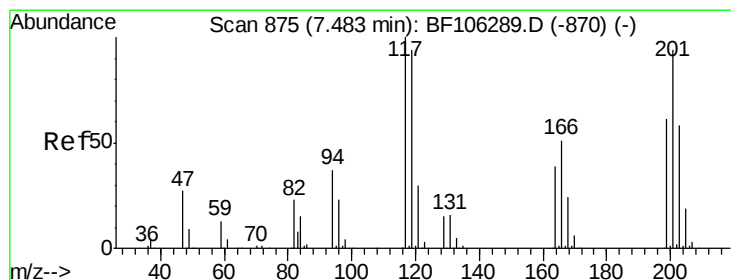
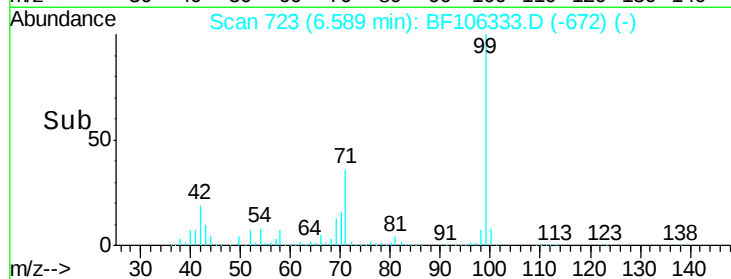
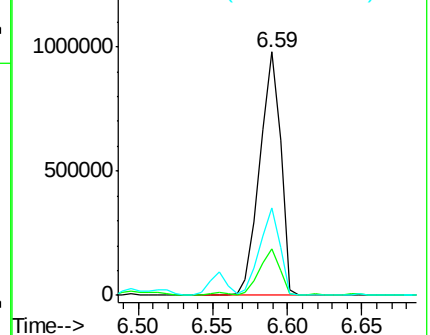
71 35.7 25.4 38.0



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



#18

Hexachloroethane

Concen: 22.363 ng

RT: 7.50 min Scan# 878

Delta R.T. 0.02 min

Lab File: BF106333.D

Acq: 12 Jun 2018 9:27

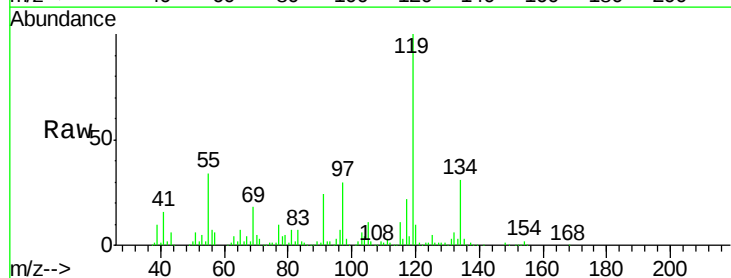
Tgt Ion: 117 Resp: 102080

Ion Ratio Lower Upper

117 100

119 449.2 75.8 113.8#

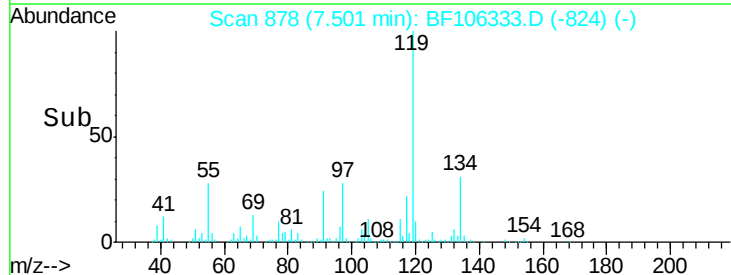
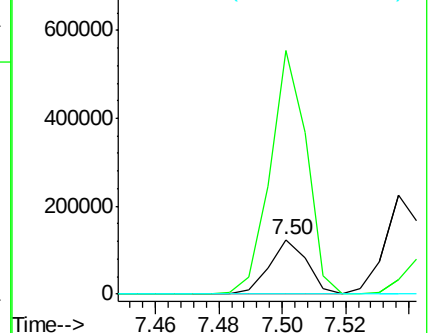
201 0.0 75.7 113.5#

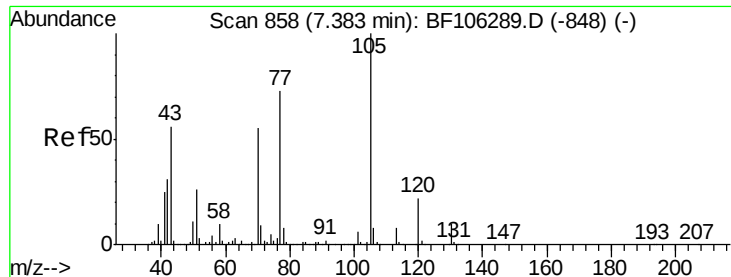


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

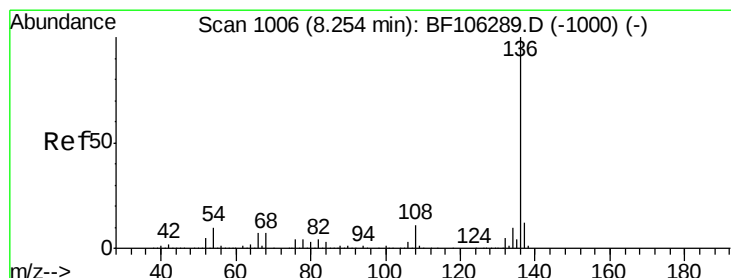
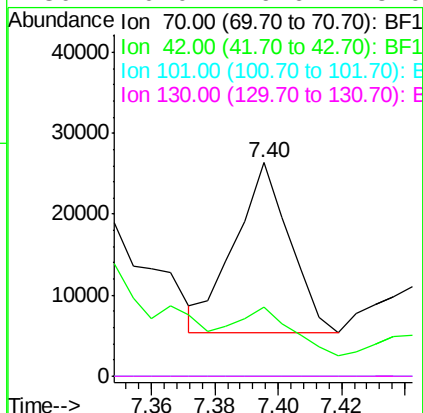
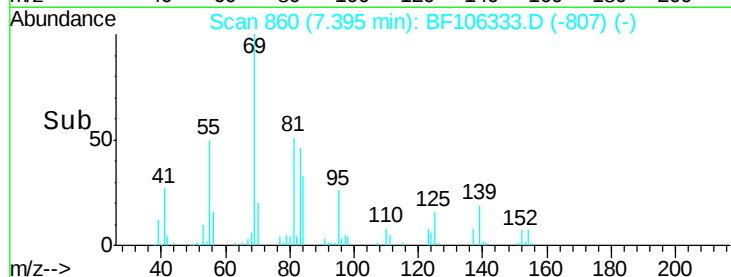
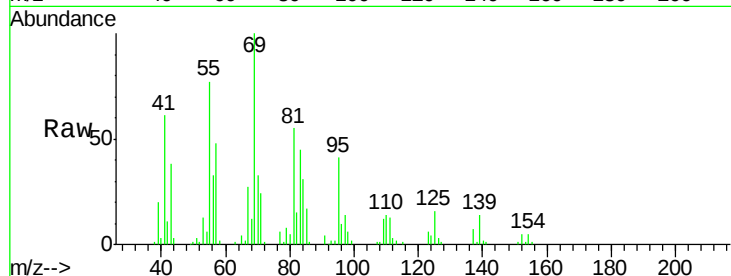




#19
n-Nitroso-di-n-propylamine
Concen: 2.654 ng
RT: 7.40 min Scan# 860
Delta R.T. 0.01 min
Lab File: BF106333.D
Acq: 12 Jun 2018 9:27

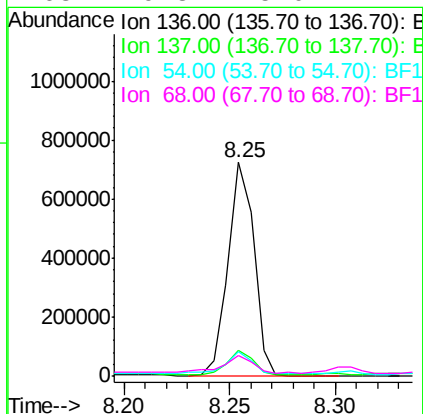
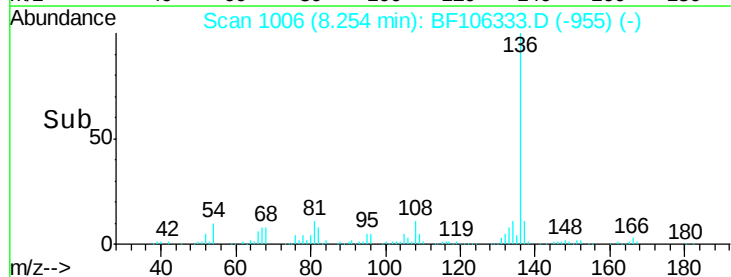
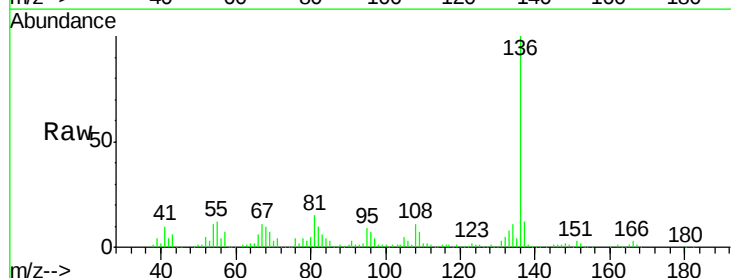
Instrument :
BNA_F
ClientSampleId :

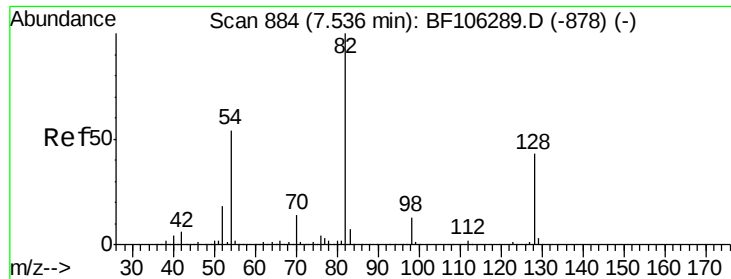
Tot Ion: 70 Resp: 25089
Ion Ratio Lower Upper
70 100
42 32.1 47.5 71.3#
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BF106333.D
Acq: 12 Jun 2018 9:27

Tgt Ion:136 Resp: 611865
Ion Ratio Lower Upper
136 100
137 11.8 8.9 13.3
54 11.1 6.6 9.8#
68 9.8 5.0 7.4#

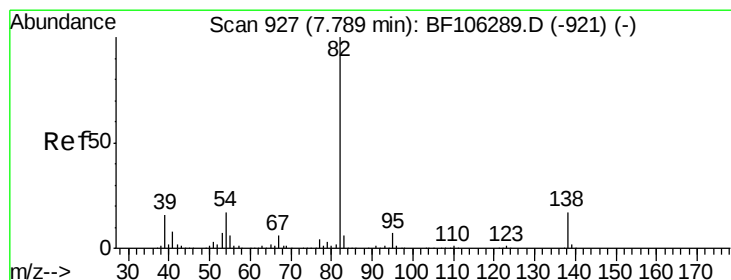
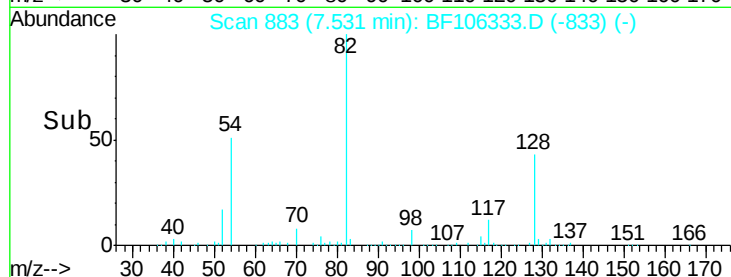
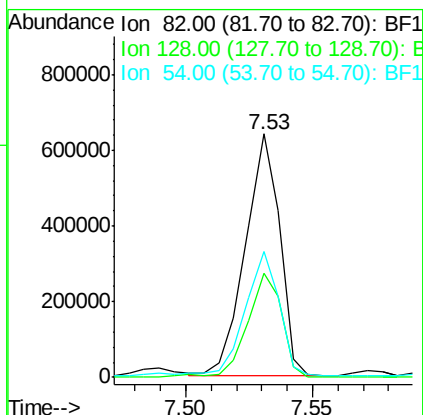
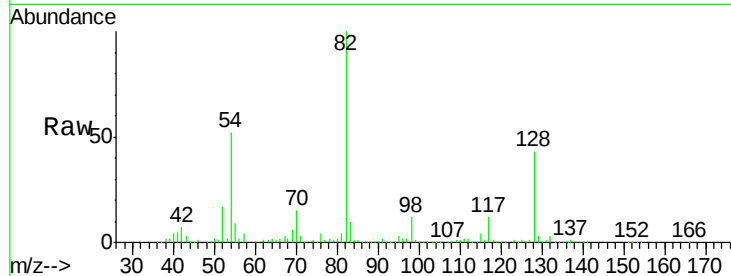




#23
 Nitrobenzene-d5
 Concen: 58.313 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF106333.D
 Acq: 12 Jun 2018 9:27

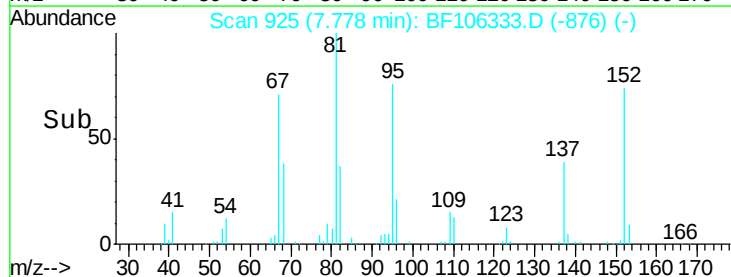
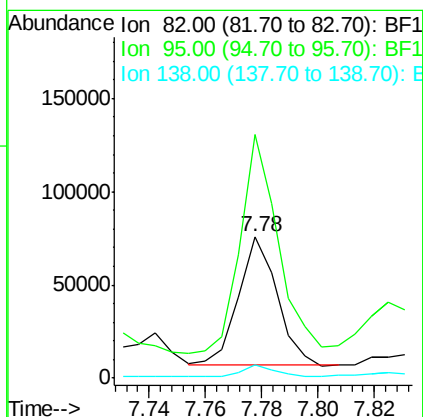
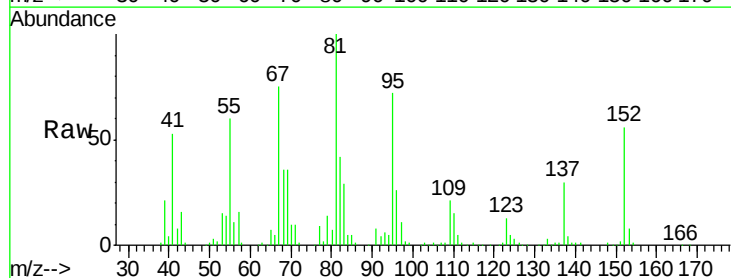
Instrument :
 BNA_F
 ClientSampleId :

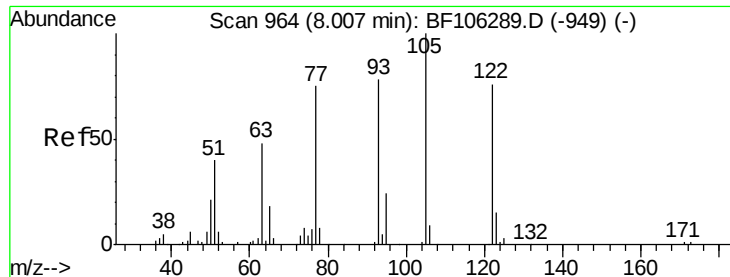
Tot Ion	82	Resp	606499
Ion Ratio	Lower	Upper	
82	100		
128	42.6	36.1	54.1
54	51.7	41.4	62.2



#25
 Isophorone
 Concen: 3.248 ng
 RT: 7.78 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF106333.D
 Acq: 12 Jun 2018 9:27

Tgt Ion	82	Resp	65985
Ion Ratio	Lower	Upper	
82	100		
95	172.0	5.2	7.8#
138	9.1	14.9	22.3#





#32

Benzoic acid

Concen: 7.543 ng

RT: 8.01 min Scan# 965

Delta R.T. 0.01 min

Lab File: BF106333.D

Acq: 12 Jun 2018 9:27

Instrument :

BNA_F

ClientSampled :

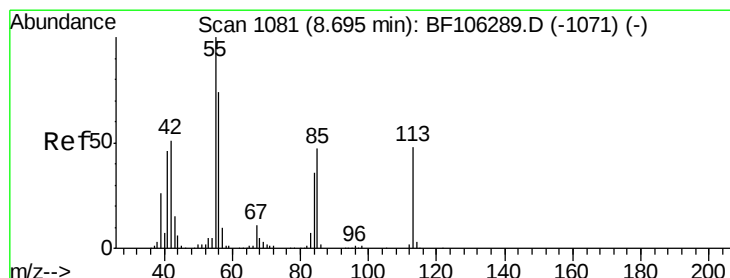
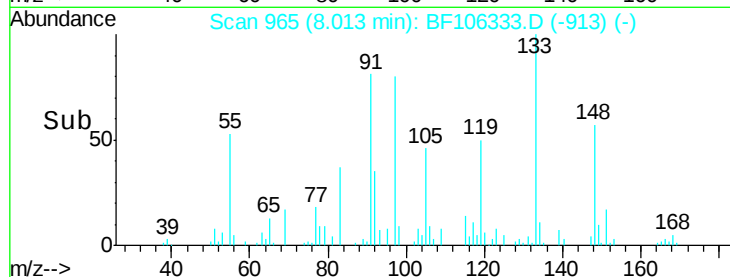
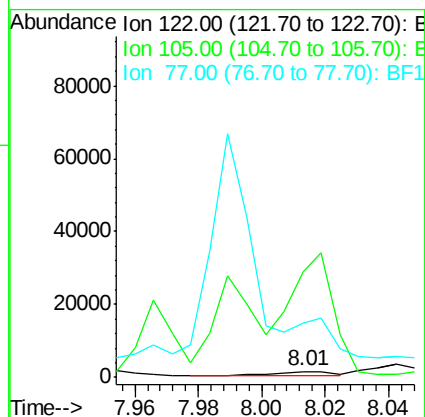
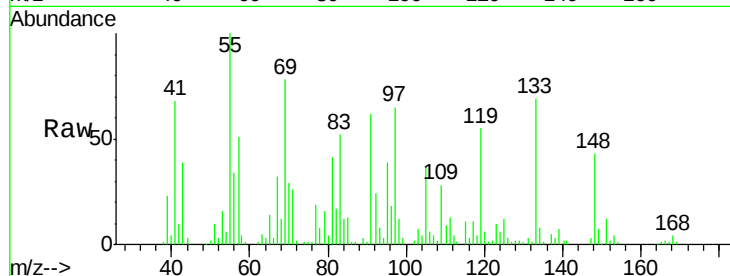
Tot Ion:122 Resp: 1904

Ion Ratio Lower Upper

122 100

105 1729.7 101.1 141.1#

77 888.3 70.7 110.7#



#35

Caprolactam

Concen: 3.364 ng

RT: 8.71 min Scan# 1083

Delta R.T. 0.01 min

Lab File: BF106333.D

Acq: 12 Jun 2018 9:27

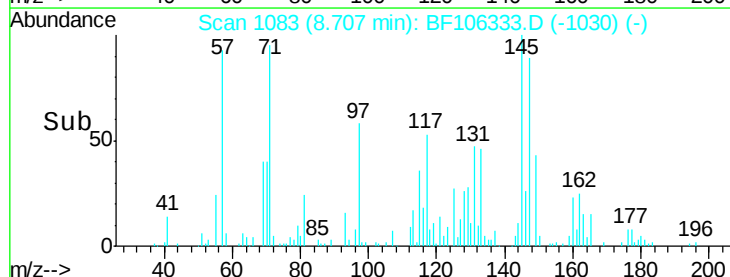
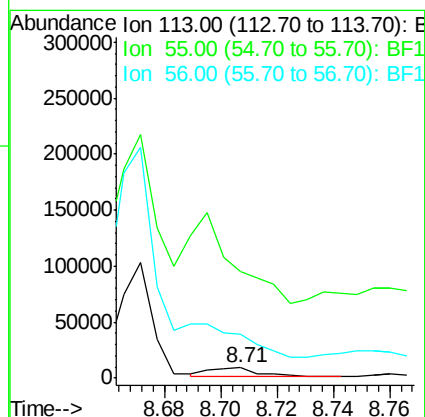
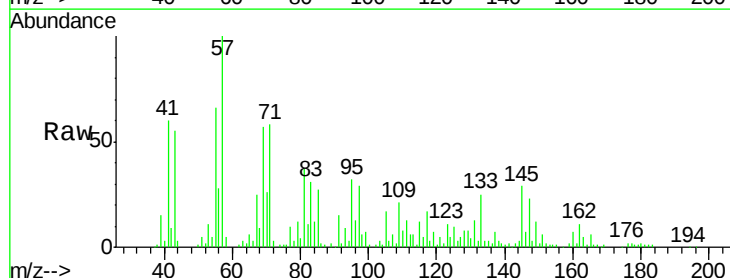
Tgt Ion:113 Resp: 9440

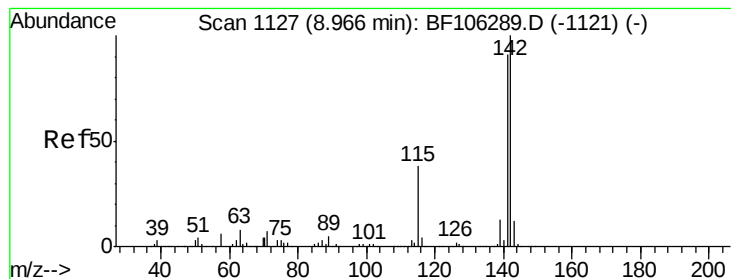
Ion Ratio Lower Upper

113 100

55 1031.6 163.3 203.3#

56 428.0 115.7 155.7#

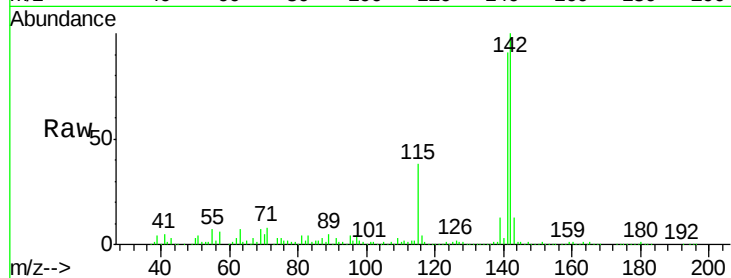




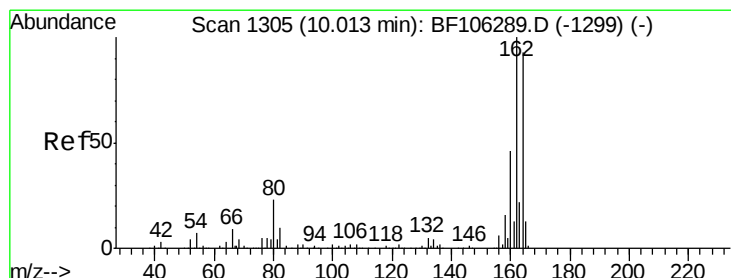
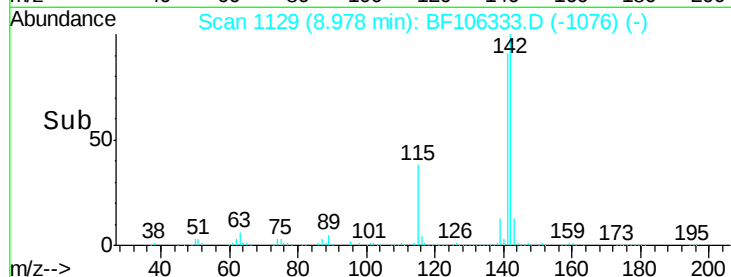
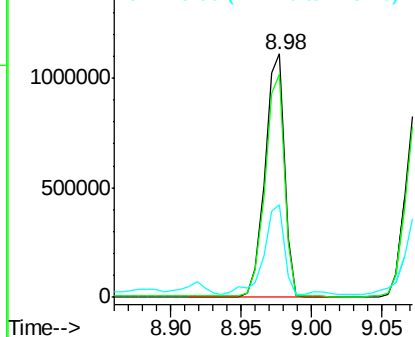
#37
 2-Methylnaphthalene
 Concen: 57.833 ng
 RT: 8.98 min Scan# 1129
 Delta R.T. 0.01 min
 Lab File: BF106333.D
 Acq: 12 Jun 2018 9:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:142 Resp: 1089520
 Ion Ratio Lower Upper
 142 100
 141 91.5 70.8 106.2
 115 38.1 26.1 39.1

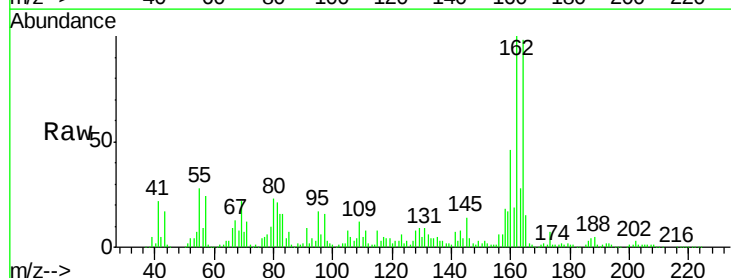


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

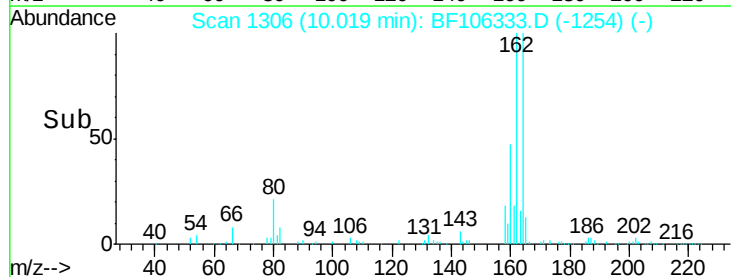
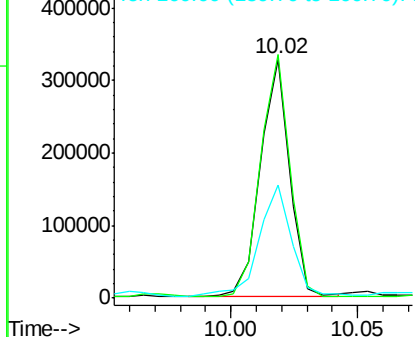


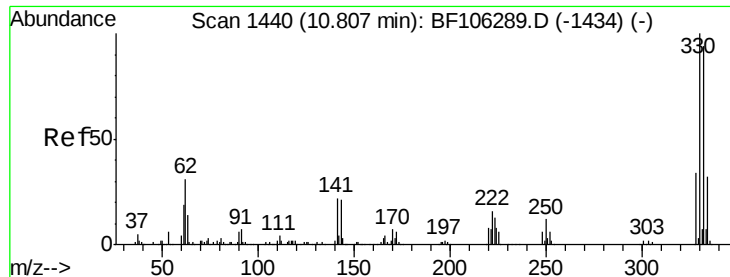
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. 0.01 min
 Lab File: BF106333.D
 Acq: 12 Jun 2018 9:27

Tgt Ion:164 Resp: 261883
 Ion Ratio Lower Upper
 164 100
 162 102.1 86.1 129.1
 160 47.4 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

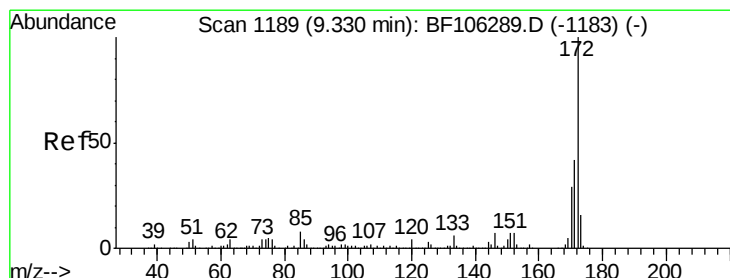
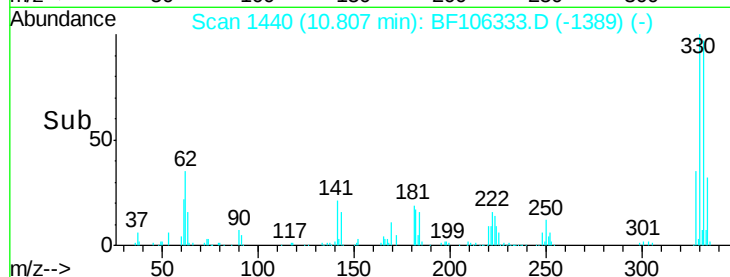
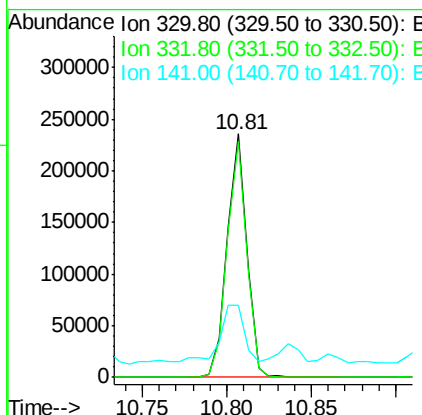
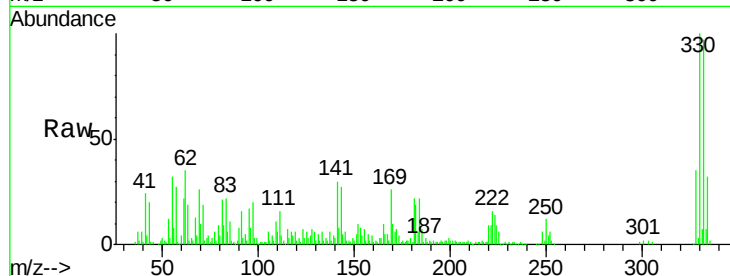




#41
 2,4,6-Tribromophenol
 Concen: 75.430 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF106333.D
 Acq: 12 Jun 2018 9:27

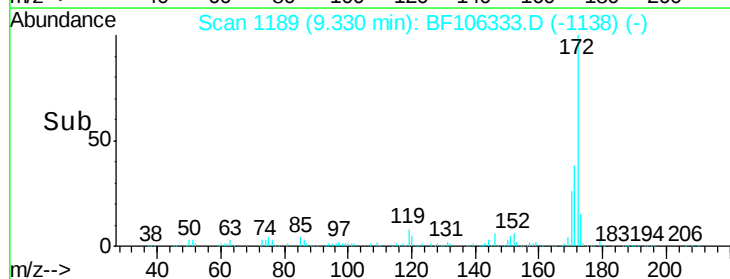
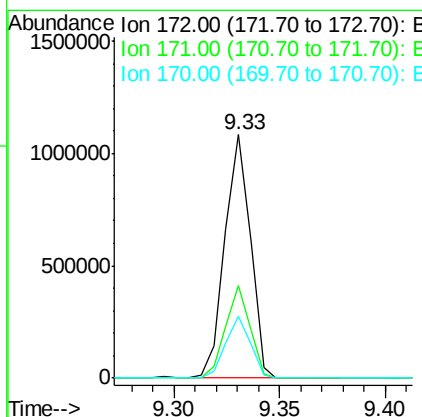
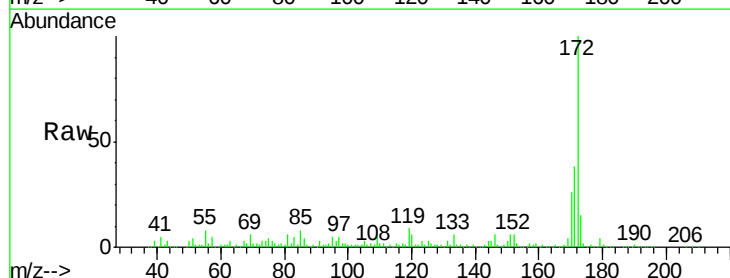
Instrument :
 BNA_F
 ClientSampleId :

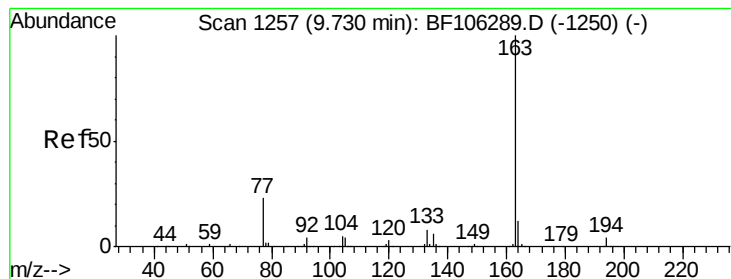
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	28.6	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 53.672 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF106333.D
 Acq: 12 Jun 2018 9:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.7	44.5
170	25.7	19.6	29.4





#49

Dimethylphthalate

Concen: 7.068 ng

RT: 9.72 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF106333.D

Acq: 12 Jun 2018 9:27

Instrument :

BNA_F

ClientSampleId :

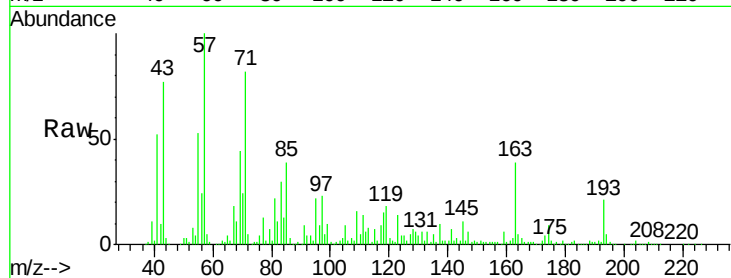
Tot Ion:163 Resp: 132235

Ion Ratio Lower Upper

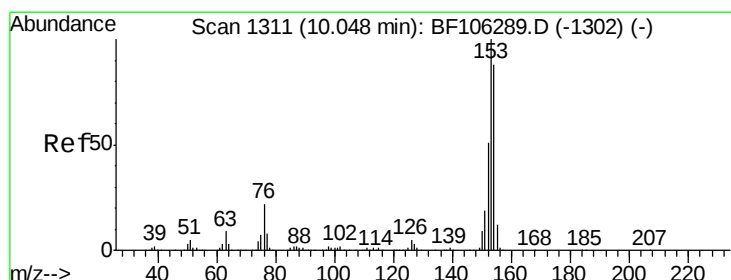
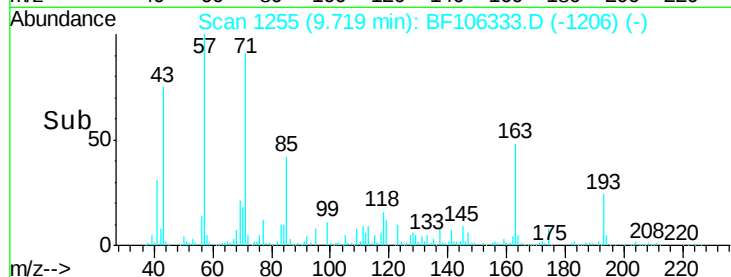
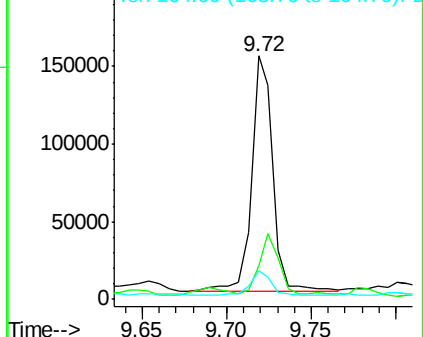
163 100

194 13.9 2.7 4.1#

164 11.5 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



#51

Acenaphthene

Concen: 3.753 ng

RT: 10.05 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BF106333.D

Acq: 12 Jun 2018 9:27

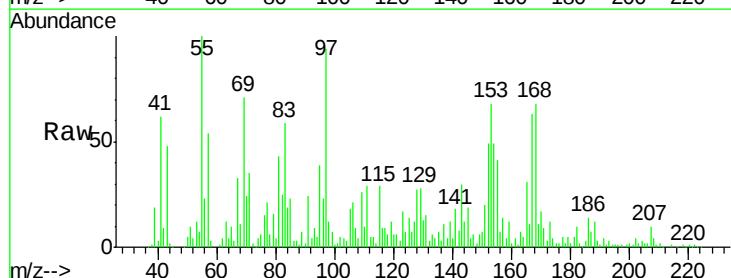
Tgt Ion:154 Resp: 60227

Ion Ratio Lower Upper

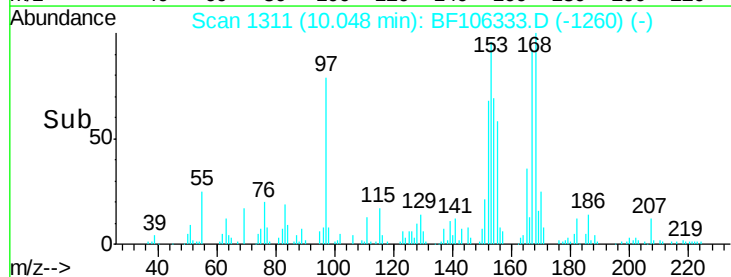
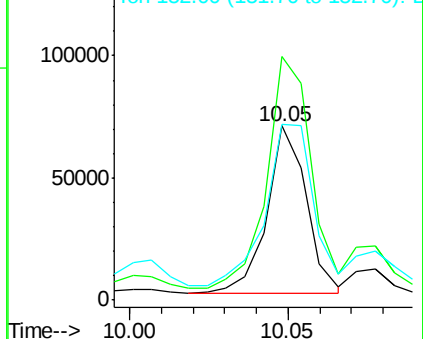
154 100

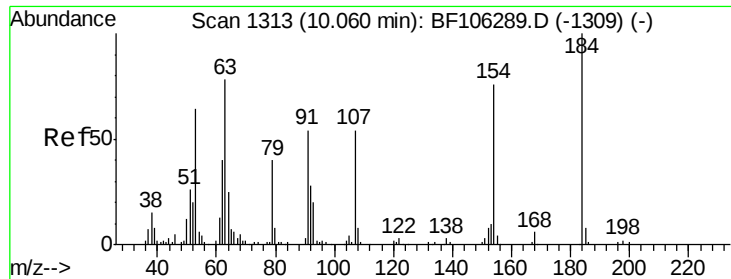
153 139.7 91.2 136.8#

152 100.9 43.8 65.8#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#53

2,4-Dinitrophenol

Concen: 9.116 ng

RT: 10.08 min Scan# 1316

Delta R.T. 0.02 min

Lab File: BF106333.D

Acq: 12 Jun 2018 9:27

Instrument :

BNA_F

ClientSampled :

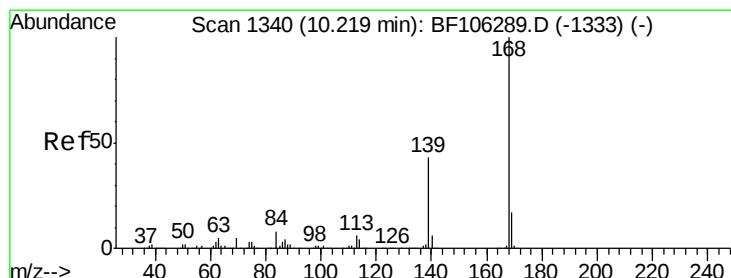
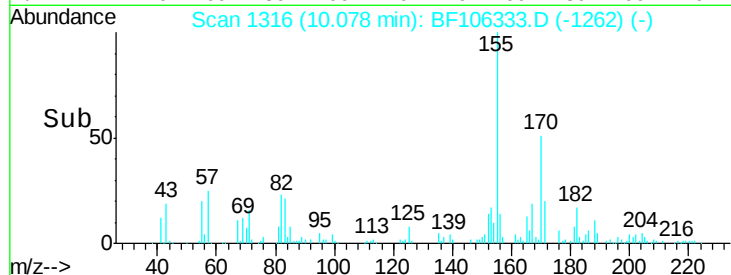
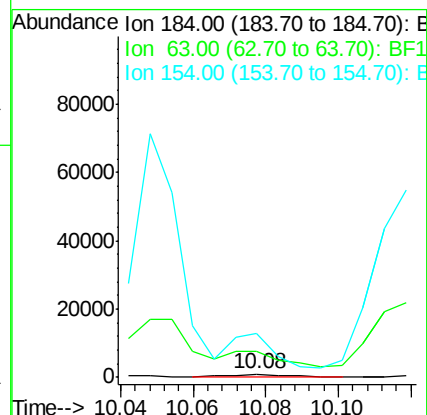
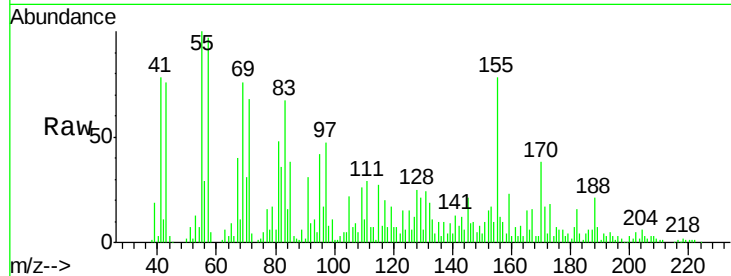
Tot Ion:184 Resp: 988

Ion Ratio Lower Upper

184 100

63 821.7 54.2 81.2#

154 1387.6 184.0 276.0#



#54

Dibenzofuran

Concen: 2.981 ng

RT: 10.22 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BF106333.D

Acq: 12 Jun 2018 9:27

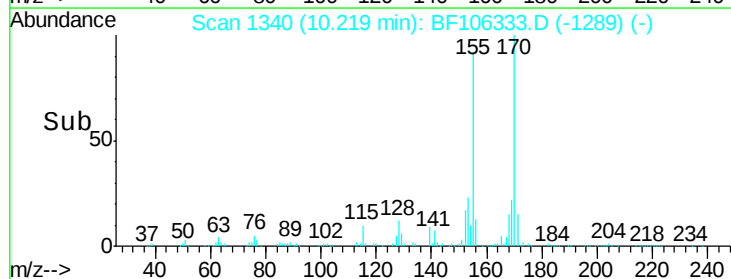
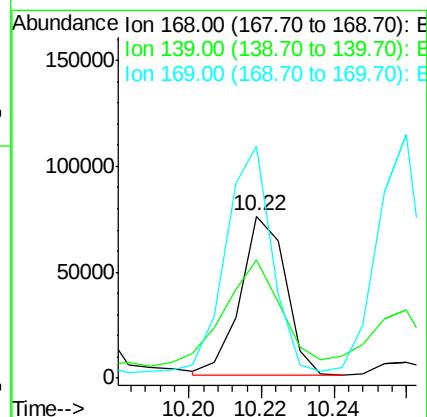
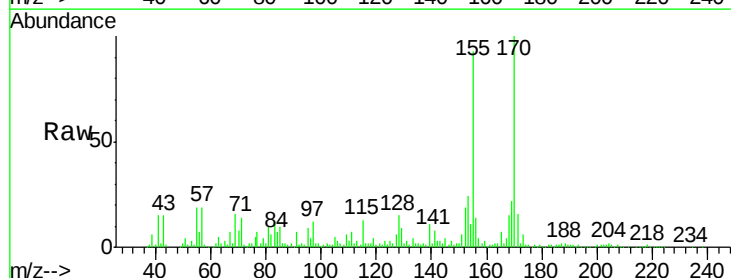
Tgt Ion:168 Resp: 64415

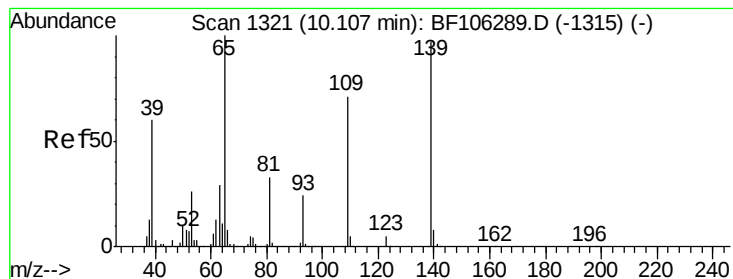
Ion Ratio Lower Upper

168 100

139 72.6 30.1 45.1#

169 143.4 10.9 16.3#





#55

4-Nitrophenol

Concen: 13.889 ng

RT: 10.12 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BF106333.D

Acq: 12 Jun 2018 9:27

Instrument :

BNA_F

ClientSampleId :

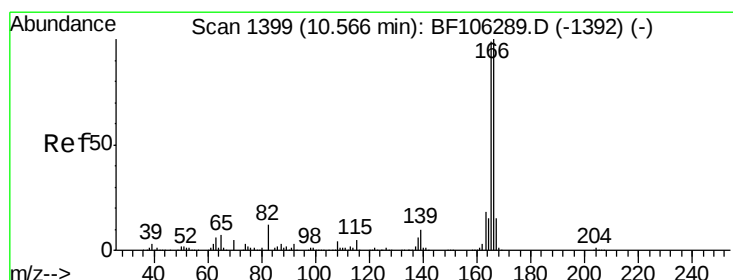
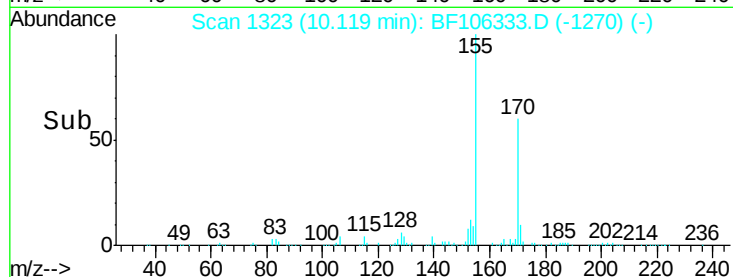
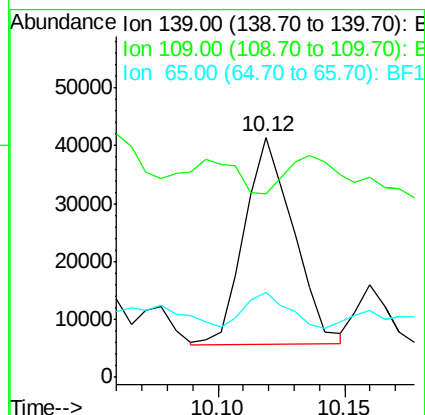
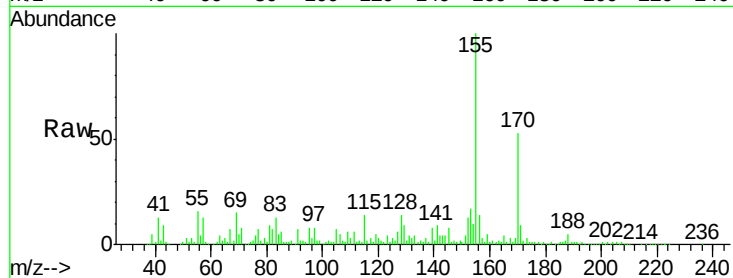
Tot Ion:139 Resp: 48289

Ion Ratio Lower Upper

139 100

109 76.2 48.4 88.4

65 35.4 72.6 112.6#



#57

Fluorene

Concen: 8.848 ng

RT: 10.57 min Scan# 1399

Delta R.T. 0.00 min

Lab File: BF106333.D

Acq: 12 Jun 2018 9:27

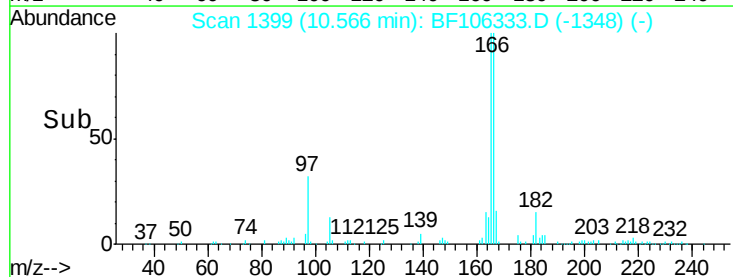
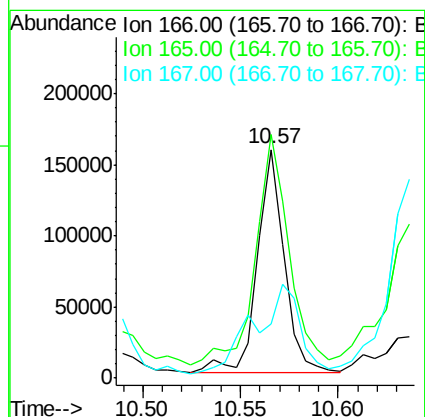
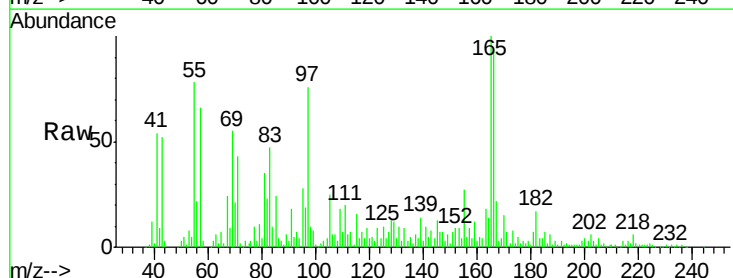
Tgt Ion:166 Resp: 151466

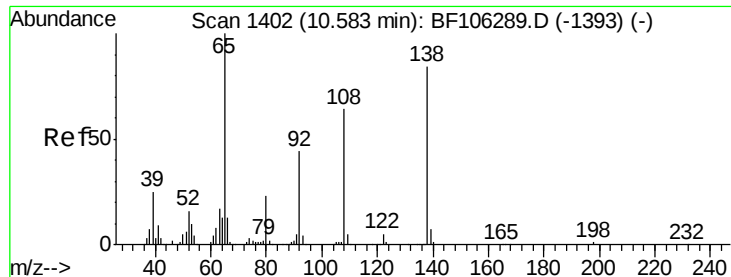
Ion Ratio Lower Upper

166 100

165 106.4 79.8 119.8

167 23.5 10.6 16.0#

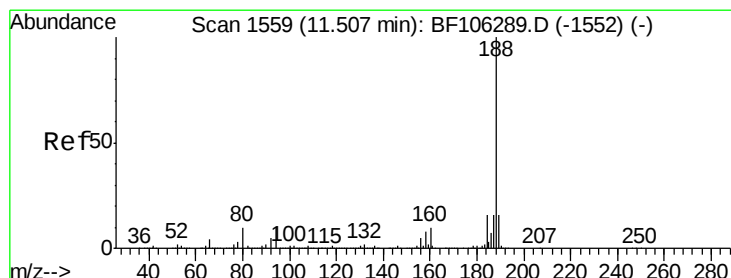
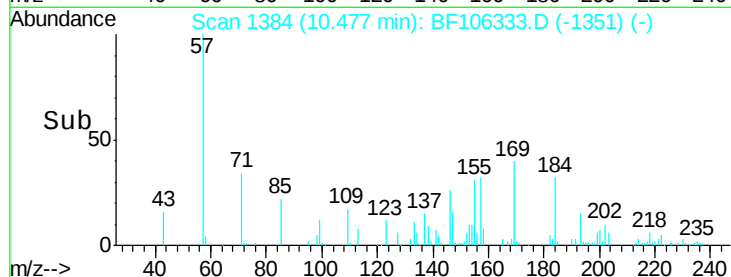
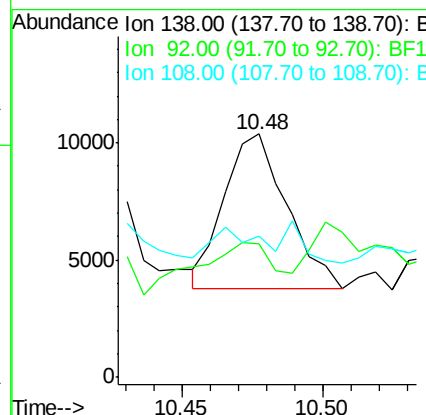
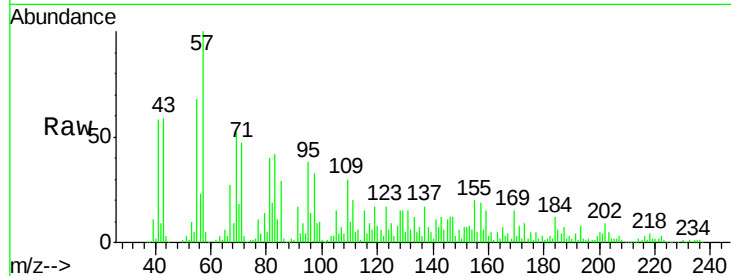




#61
4-Nitroaniline
Concen: 2.313 ng
RT: 10.48 min Scan# 1384
Delta R.T. -0.11 min
Lab File: BF106333.D
Acq: 12 Jun 2018 9:27

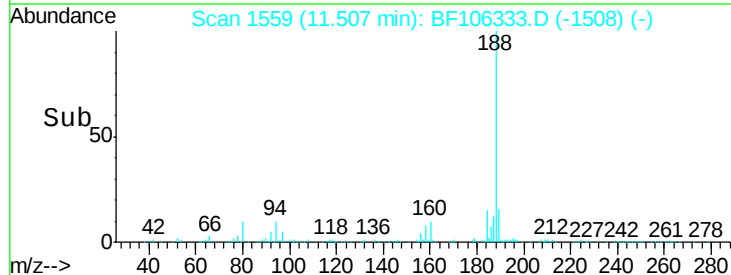
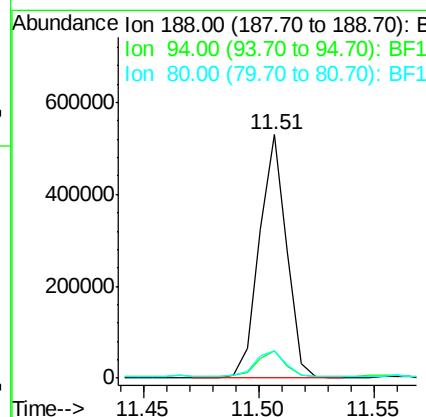
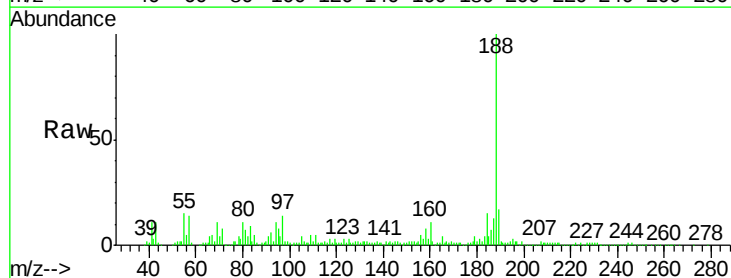
Instrument :
BNA_F
ClientSampled :

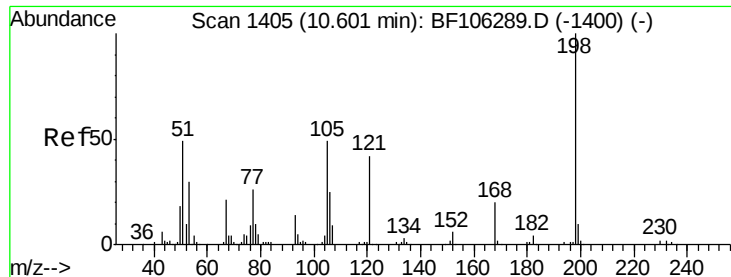
Tot Ion:138 Resp: 10206
Ion Ratio Lower Upper
138 100
92 55.0 30.2 70.2
108 58.2 52.5 92.5



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BF106333.D
Acq: 12 Jun 2018 9:27

Tgt Ion:188 Resp: 433485
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 11.3 9.2 13.8

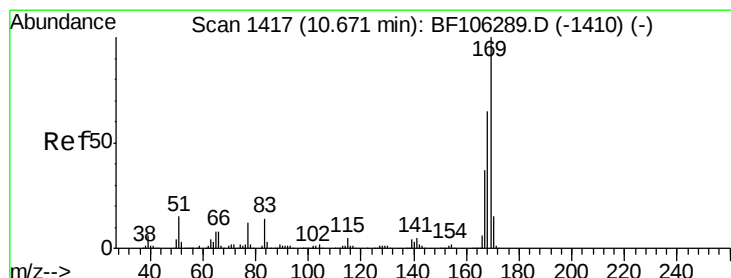
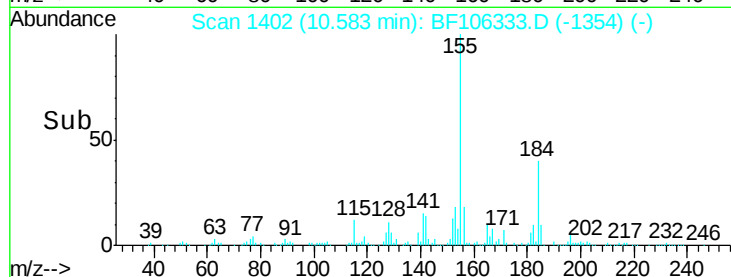
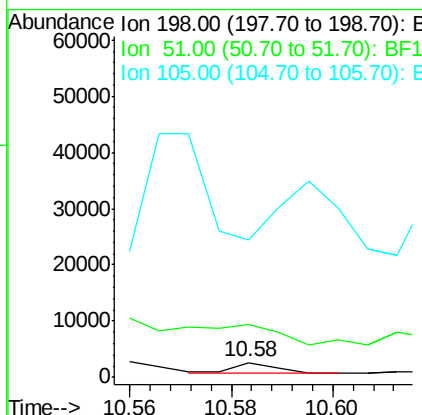
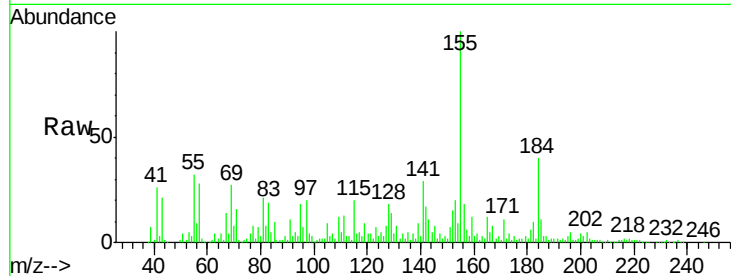




#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.748 ng
 RT: 10.58 min Scan# 1402
 Delta R.T. -0.02 min
 Lab File: BF106333.D
 Acq: 12 Jun 2018 9:27

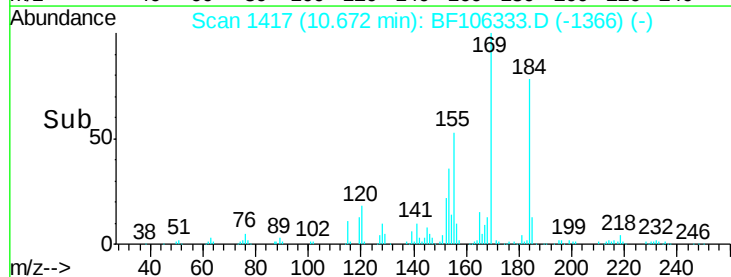
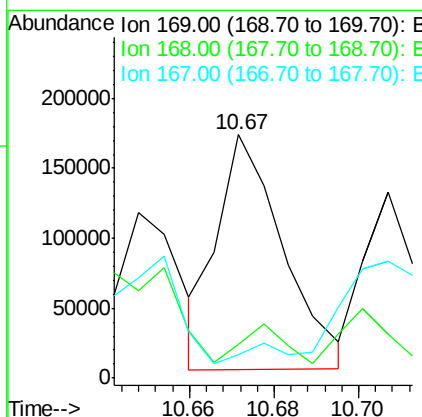
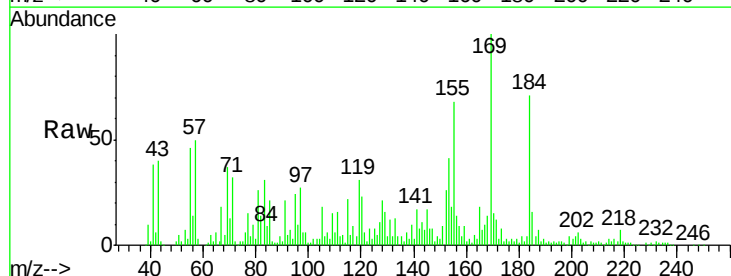
Instrument :
 BNA_F
 ClientSampled :

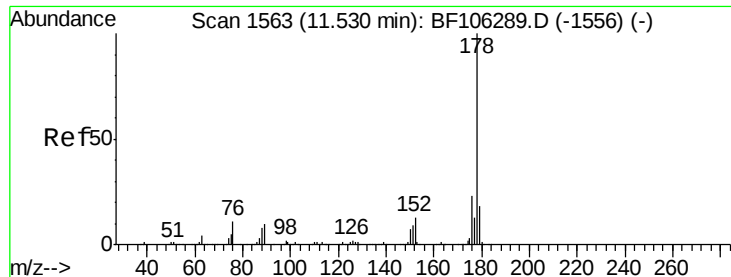
Tot Ion:198 Resp: 1219
 Ion Ratio Lower Upper
 198 100
 51 353.2 37.7 77.7#
 105 913.7 36.3 76.3#



#65
 n-Nitrosodiphenylamine
 Concen: 12.481 ng
 RT: 10.67 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: BF106333.D
 Acq: 12 Jun 2018 9:27

Tgt Ion:169 Resp: 181839
 Ion Ratio Lower Upper
 169 100
 168 13.6 54.4 81.6#
 167 9.7 29.8 44.6#





#70

Phenanthrene

Concen: 18.838 ng

RT: 11.53 min Scan# 1563

Delta R.T. 0.00 min

Lab File: BF106333.D

Acq: 12 Jun 2018 9:27

Instrument :

BNA_F

ClientSampleId :

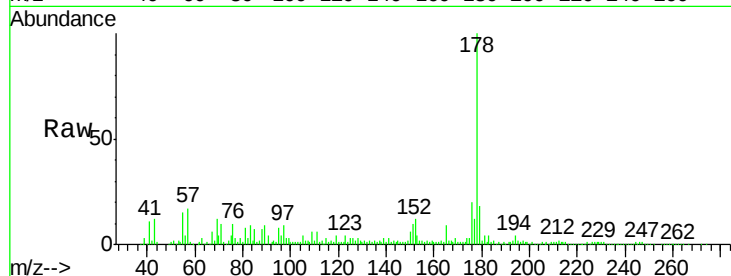
Tot Ion:178 Resp: 399921

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

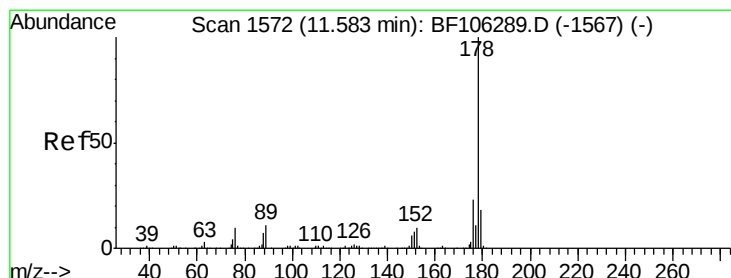
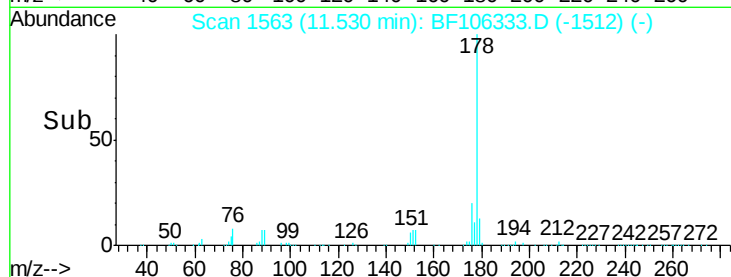
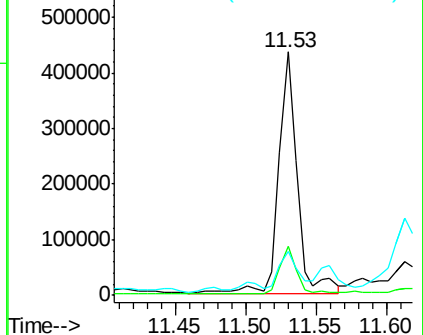
179 18.0 13.0 19.6



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



#71

Anthracene

Concen: 18.804 ng

RT: 11.53 min Scan# 1563

Delta R.T. -0.05 min

Lab File: BF106333.D

Acq: 12 Jun 2018 9:27

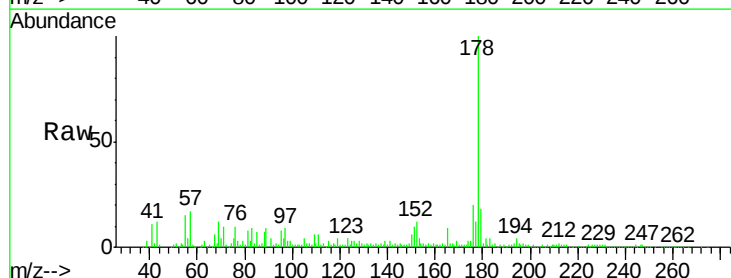
Tgt Ion:178 Resp: 399921

Ion Ratio Lower Upper

178 100

176 20.3 15.4 23.2

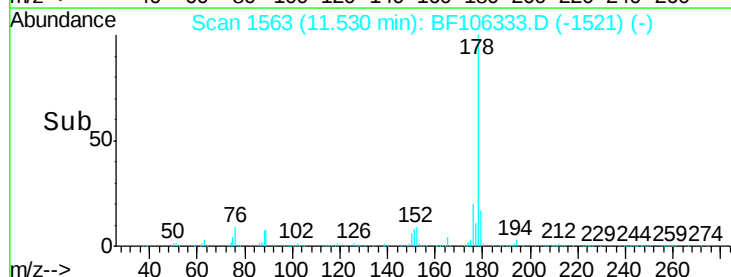
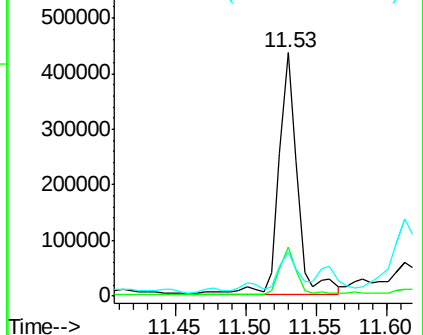
179 18.0 12.6 19.0

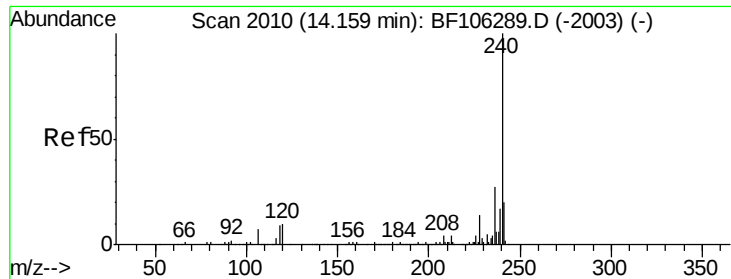


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

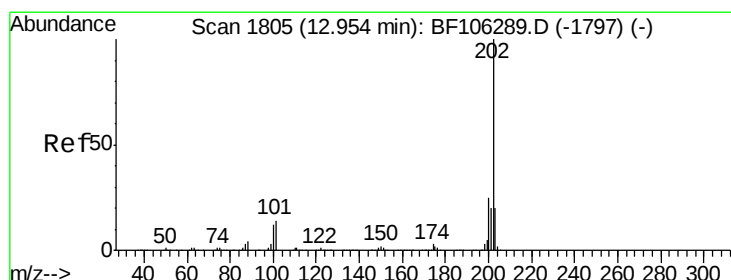
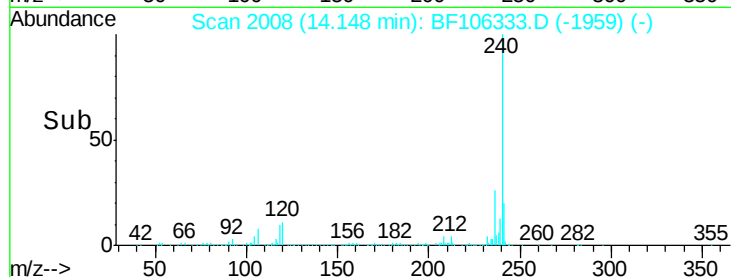
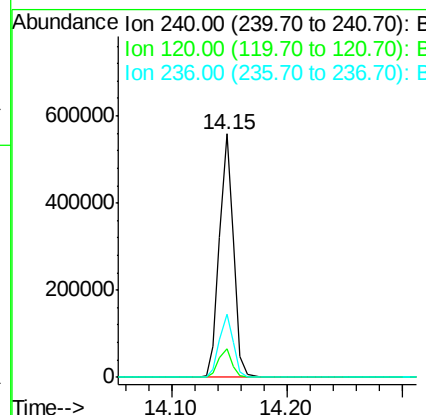
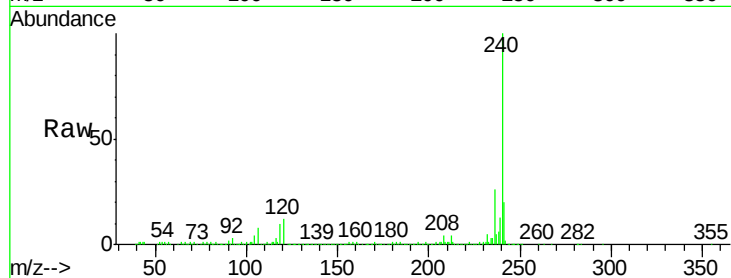




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF106333.D
Acq: 12 Jun 2018 9:27

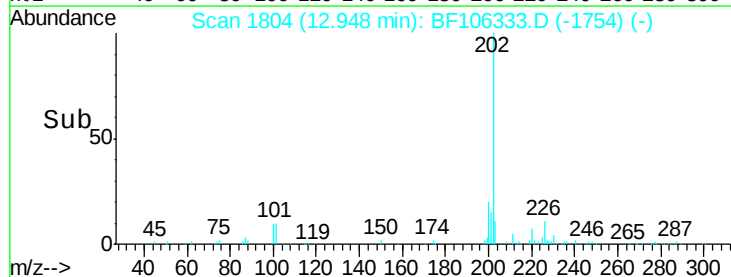
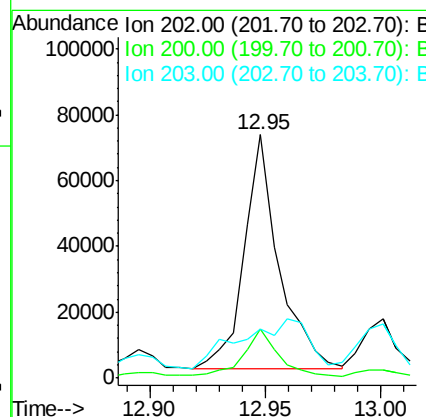
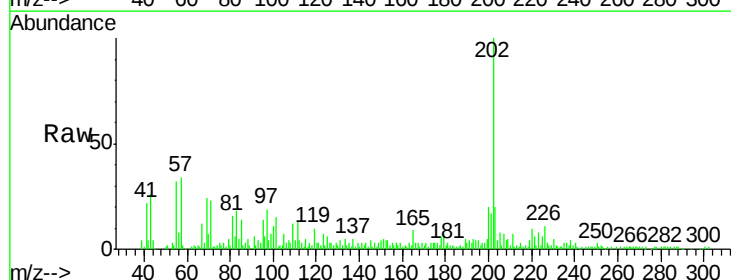
Instrument :
BNA_F
ClientSampleId :

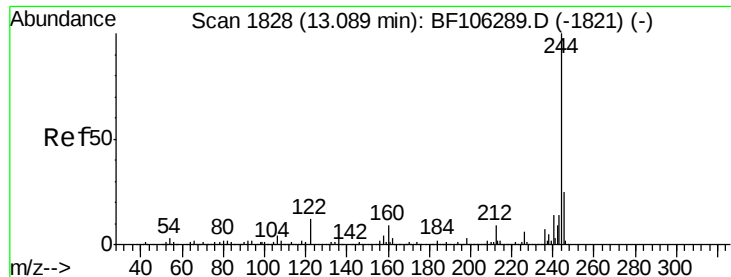
Tot Ion:240 Resp: 471984
Ion Ratio Lower Upper
240 100
120 11.5 9.5 14.3
236 26.1 20.7 31.1



#77
Pyrene
Concen: 2.530 ng
RT: 12.95 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF106333.D
Acq: 12 Jun 2018 9:27

Tgt Ion:202 Resp: 74767
Ion Ratio Lower Upper
202 100
200 20.2 17.4 26.2
203 20.0 14.3 21.5





#78

Terphenyl-d14

Concen: 45.585 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106333.D

Acq: 12 Jun 2018 9:27

Instrument :

BNA_F

ClientSampleId :

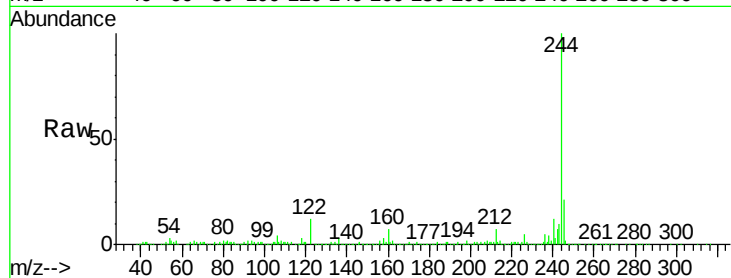
Tot Ion:244 Resp: 866230

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

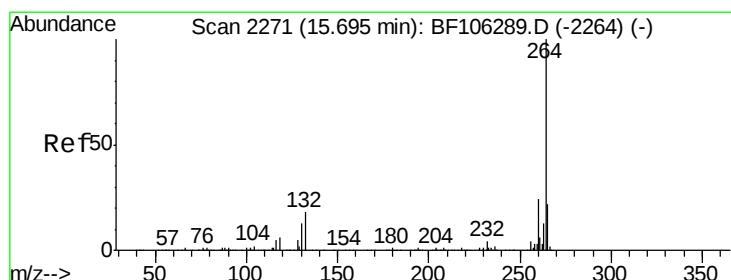
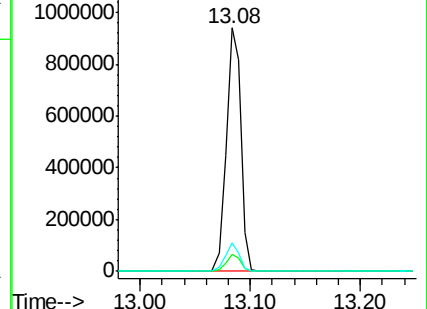
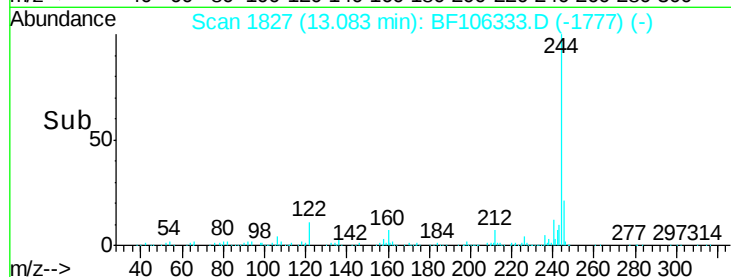
122 11.5 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF106333.D

Acq: 12 Jun 2018 9:27

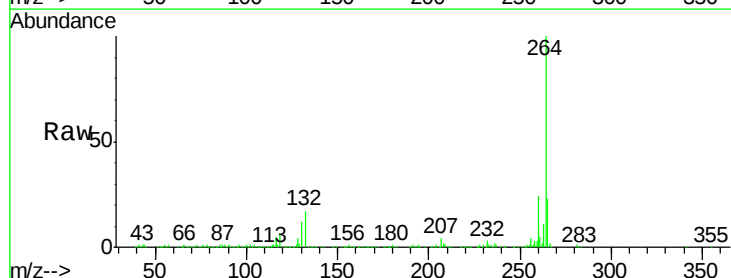
Tgt Ion:264 Resp: 367672

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 23.0 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

