

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
 Data File : BF102446.D
 Acq On : 26 Jan 2018 1:32
 Operator : SJ/JU
 Sample : J1289-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 03:11:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 25 13:44:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	140877	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	537098	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	208700	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	293243	20.00	ng	0.00
75) Chrysene-d12	13.89	240	223294	20.00	ng	0.01
86) Perylene-d12	15.32	264	196047	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	927050	99.78	ng	0.01
7) Phenol-d6	6.37	99	1081616	96.56	ng	0.00
23) Nitrobenzene-d5	7.29	82	664811	71.13	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	155067	74.99	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	914940	64.46	ng	0.00
78) Terphenyl-d14	12.83	244	644262	65.04	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.49	77	19077	2.472	ng	90
10) Phenol	6.37	94	24461	2.000	ng	# 65
19) n-Nitroso-di-n-propylamine	7.29	70	86700	12.648	ng	# 79
25) Isophorone	7.29	82	661801	39.719	ng	# 64
31) Naphthalene	8.02	128	223780	8.345	ng	100
33) 4-Chloroaniline	8.02	127	31000	2.749	ng	# 41
37) 2-Methylnaphthalene	8.71	142	122784	6.875	ng	98
45) 1,1'-Biphenyl	9.17	154	37664	2.018	ng	93
48) Acenaphthylene	9.62	152	69863	3.092	ng	# 96
49) Dimethylphthalate	9.47	163	93551	5.423	ng	98
51) Acenaphthene	9.79	154	365581	27.700	ng	99
53) 2,4-Dinitrophenol	9.97	184	138	3.775	ng	# 1
54) Dibenzofuran	9.96	168	379788	21.263	ng	# 96
55) 4-Nitrophenol	9.79	139	6463	2.225	ng	84
57) Fluorene	10.30	166	708867	50.084	ng	99
65) n-Nitrosodiphenylamine	10.41	169	34601	3.215	ng	# 62
66) 4-Bromophenyl-phenylether	10.55	248	10930	3.462	ng	# 1
70) Phenanthrene	11.28	178	2547132	149.060	ng	99
71) Anthracene	11.32	178	728328	41.758	ng	99
72) Carbazole	11.47	167	157322	9.246	ng	98
74) Fluoranthene	12.48	202	2181927	125.214	ng	98
77) Pyrene	12.70	202	1969629	114.087	ng	98
79) Butylbenzylphthalate	13.30	149	180943	21.060	ng	97
80) Benzo(a)anthracene	13.88	228	895384	65.131	ng	98
82) Chrysene	13.92	228	753170	53.950	ng	98
83) Bis(2-ethylhexyl)phthalate	13.86	149	304001	26.329	ng	98
85) Indeno(1,2,3-cd)pyrene	16.73	276	230966	20.033	ng	95
87) Benzo(b)fluoranthene	14.92	252	903035	71.067	ng	# 94
88) Benzo(k)fluoranthene	14.92	252	903035	75.221	ng	97
89) Benzo(a)pyrene	15.27	252	496470	43.322	ng	97
90) Dibenzo(a,h)anthracene	16.73	278	62255	6.706	ng	# 81
91) Benzo(a,h,i)perylene	17.15	276	217059	23.680	ng	95

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QLast Update : Thu Jan 25 13:44:56 2018
Response via : Initial Calibration

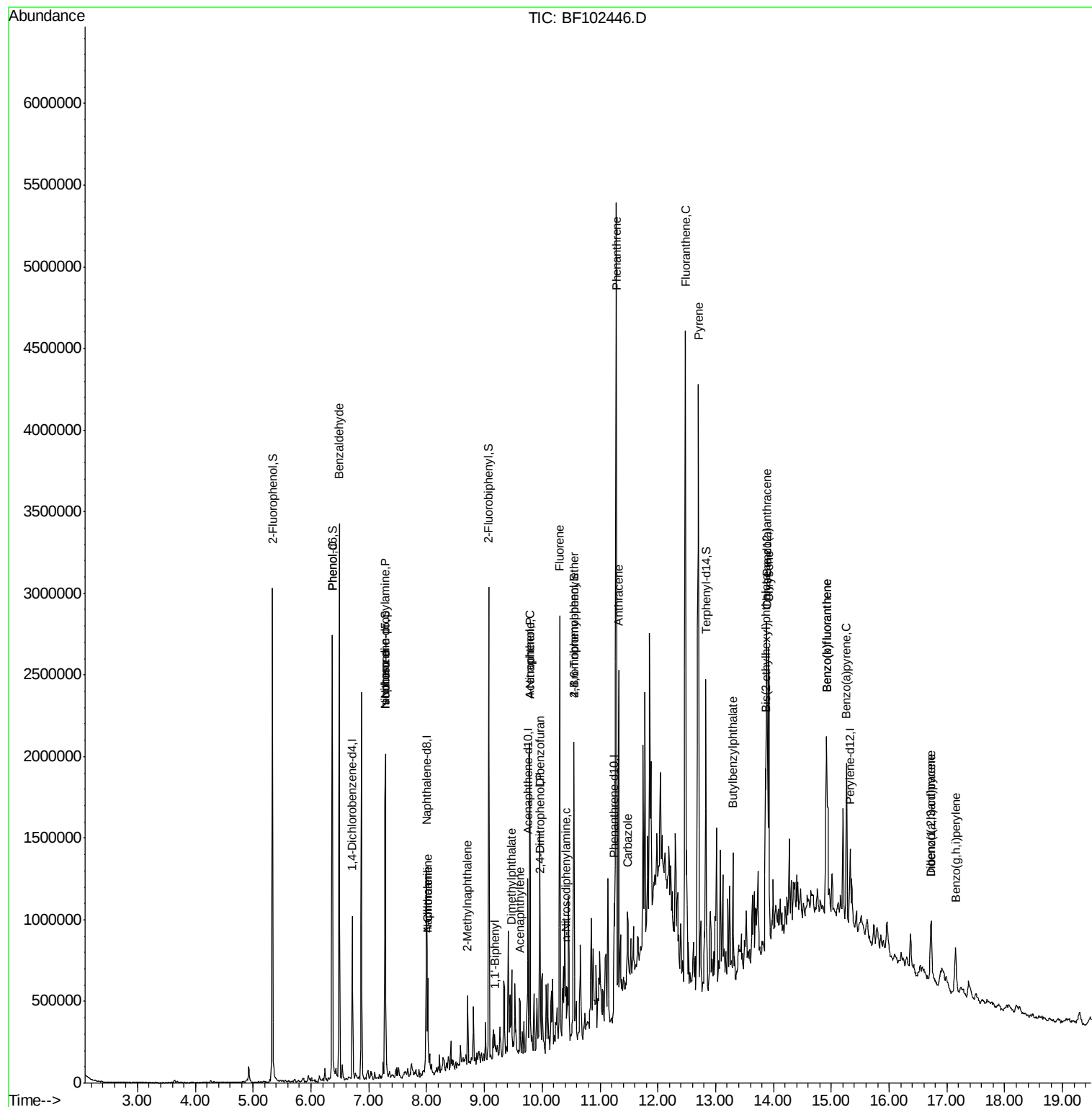
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

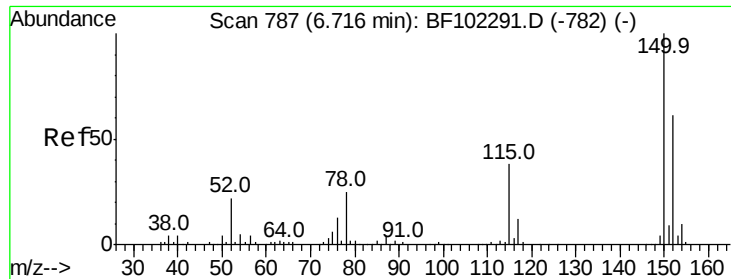
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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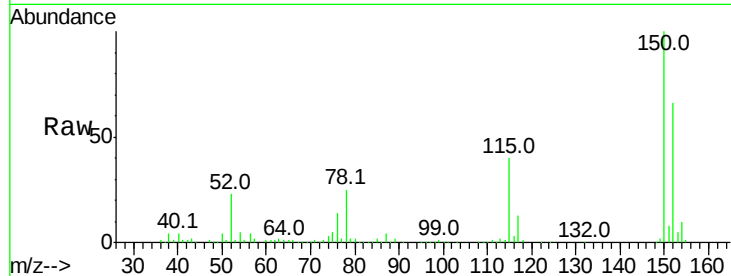


#1

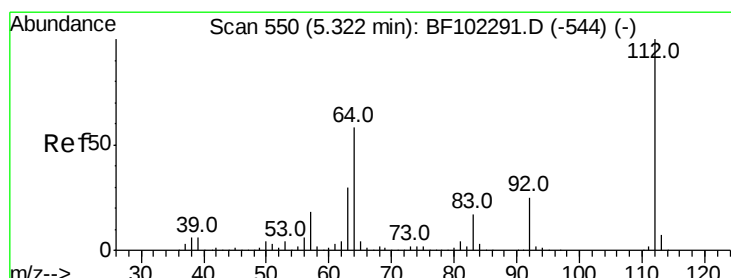
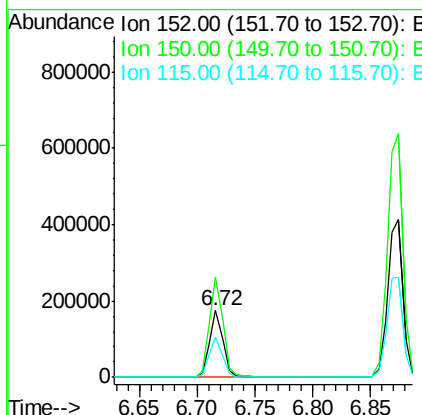
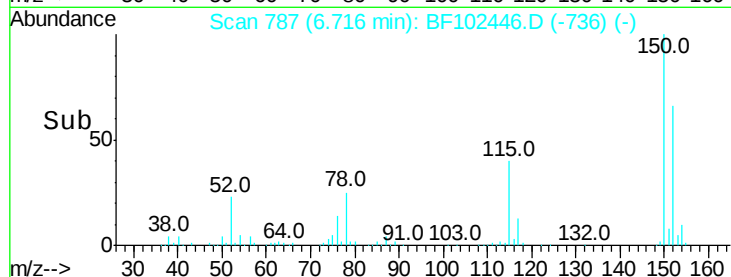
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102446.D
Acq: 26 Jan 2018 1:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 140877
Ion Ratio Lower Upper
152 100
150 151.0 124.6 186.8
115 59.9 50.1 75.1



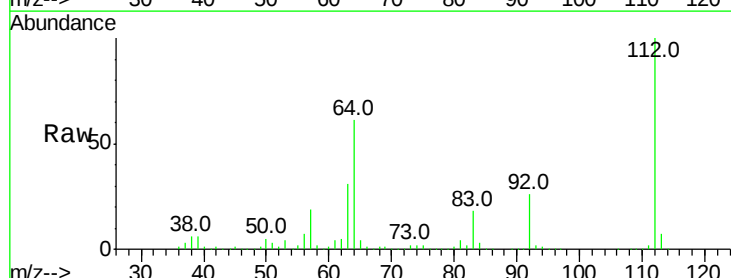
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



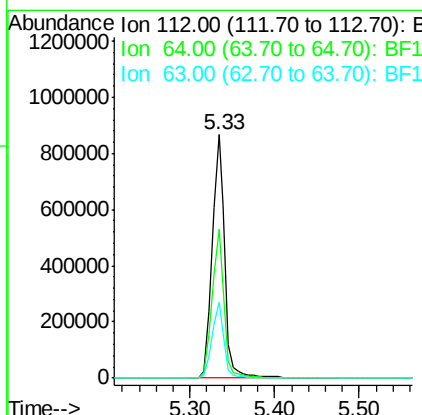
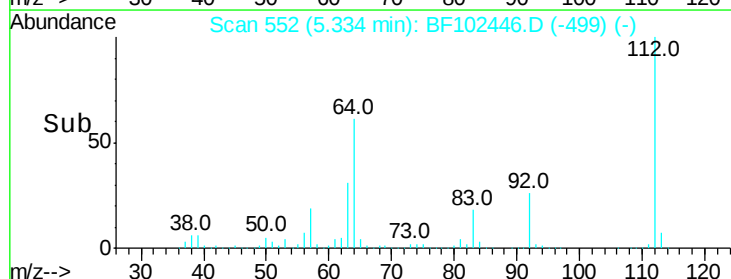
#5

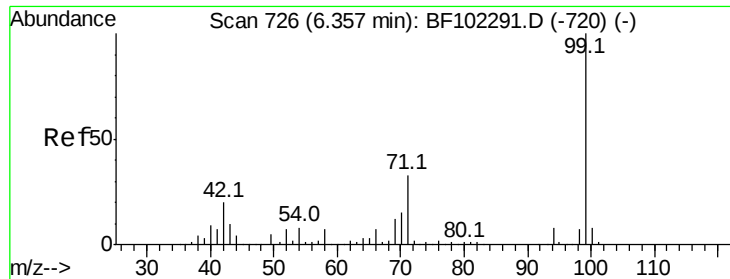
2-Fluorophenol
Concen: 99.778 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102446.D
Acq: 26 Jan 2018 1:32

Tgt Ion:112 Resp: 927050
Ion Ratio Lower Upper
112 100
64 61.2 47.9 71.9
63 31.3 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: 96.562 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Instrument :

BNA_F

ClientSampleId :

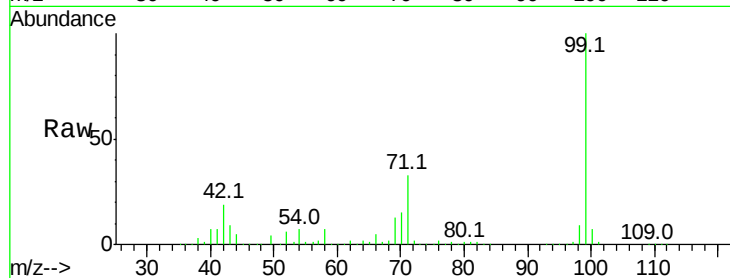
Tot Ion: 99 Resp: 1081616

Ion Ratio Lower Upper

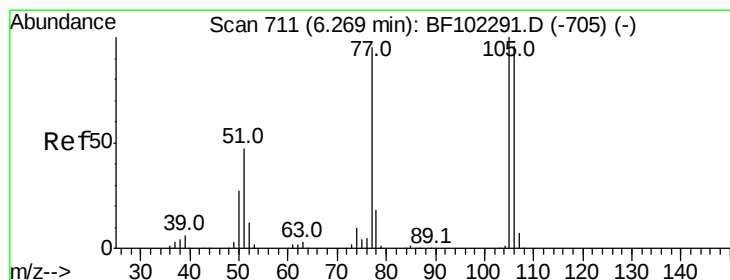
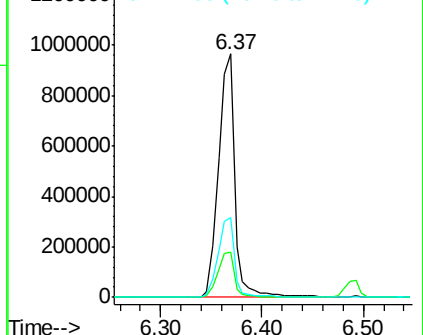
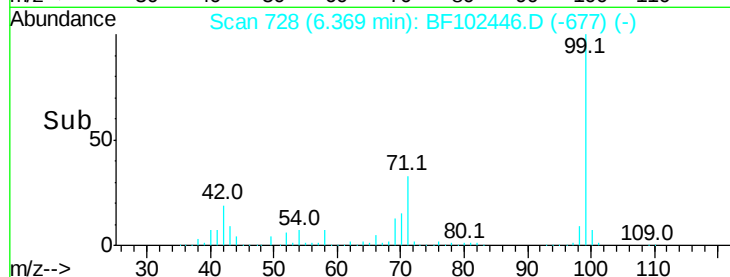
99 100

42 18.7 14.5 21.7

71 32.9 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: 2.472 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

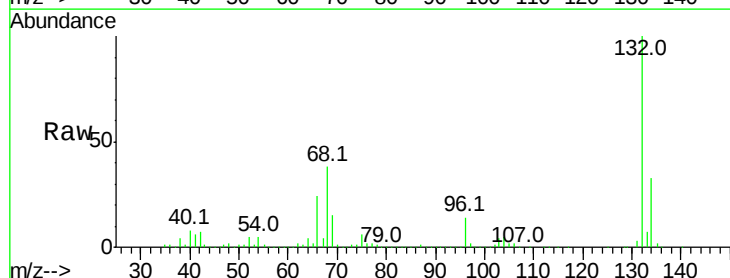
Tgt Ion: 77 Resp: 19077

Ion Ratio Lower Upper

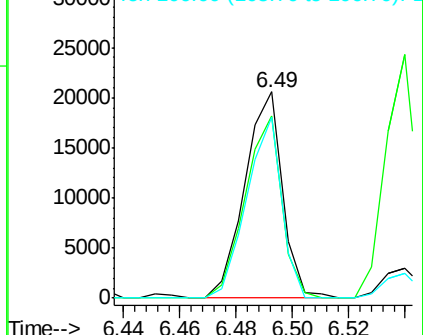
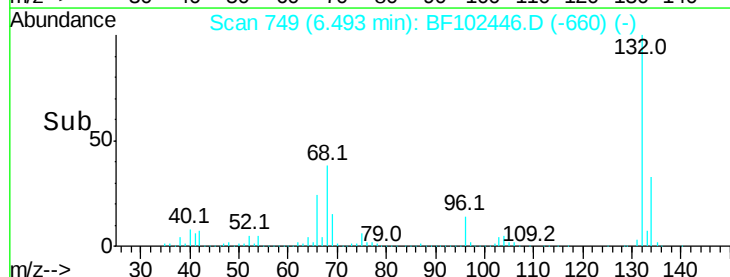
77 100

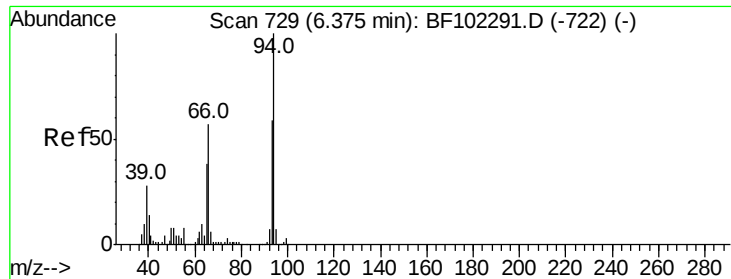
105 88.6 81.1 121.1

106 87.9 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





#10

Phenol

Concen: 2.000 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Instrument :

BNA_F

ClientSampled :

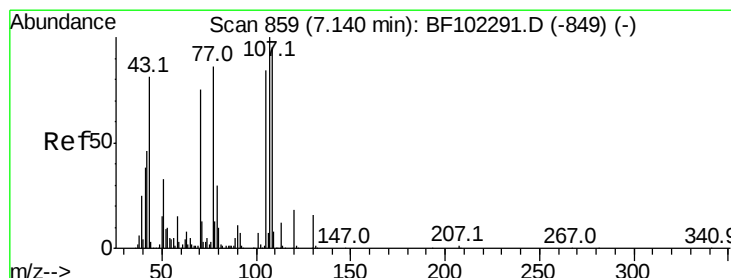
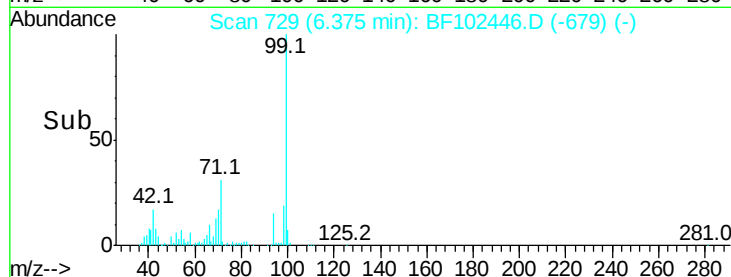
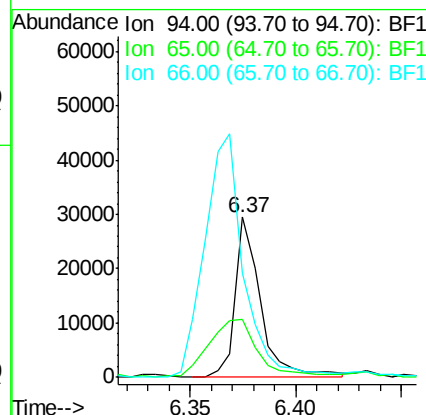
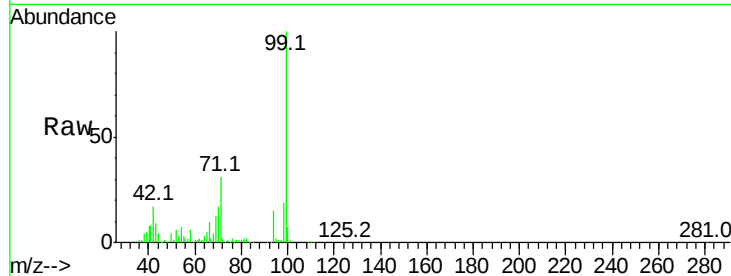
Tot Ion: 94 Resp: 24461

Ion Ratio Lower Upper

94 100

65 36.4 7.9 47.9

66 65.3 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 12.648 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Tgt Ion: 70 Resp: 86700

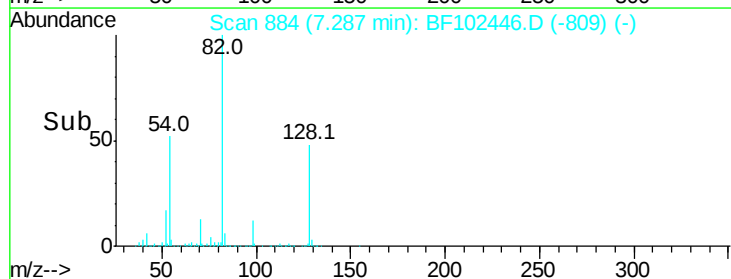
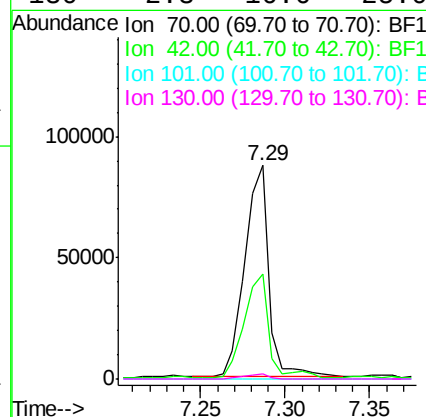
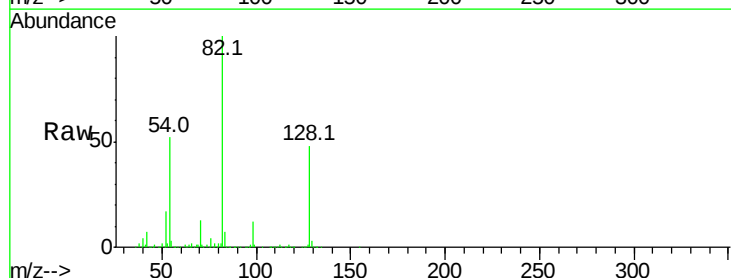
Ion Ratio Lower Upper

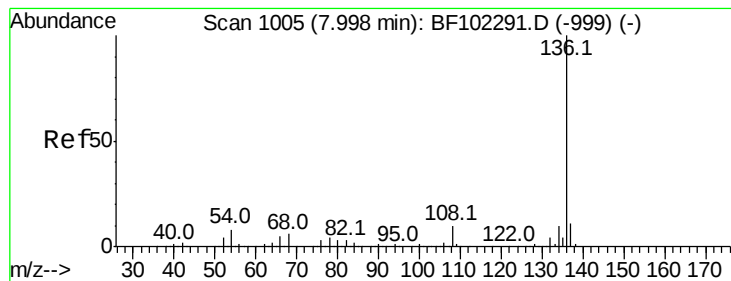
70 100

42 49.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 537098

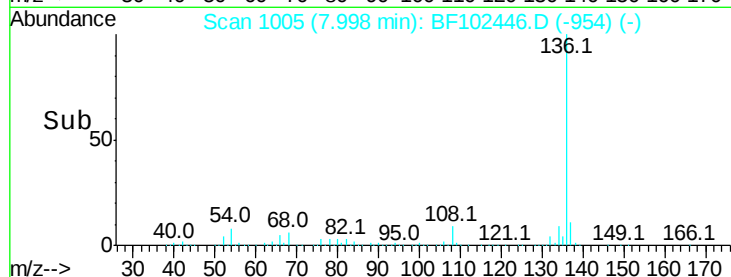
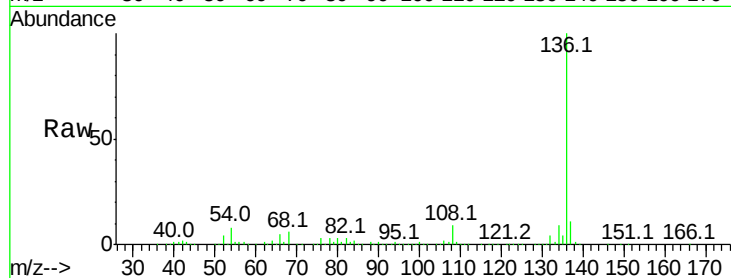
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.2 6.6 9.8

68 5.7 5.0 7.4

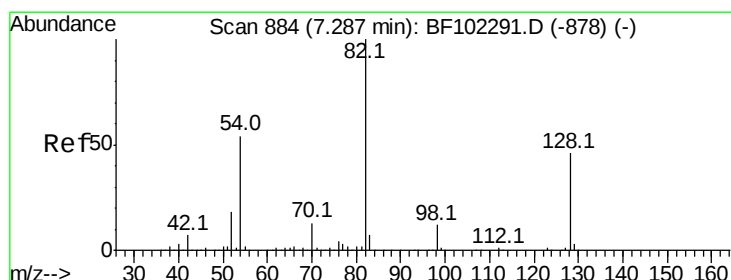
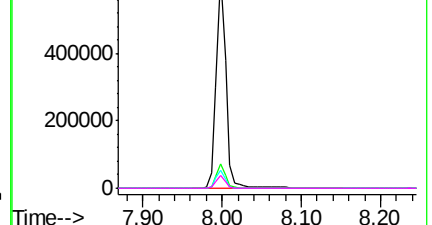


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.132 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

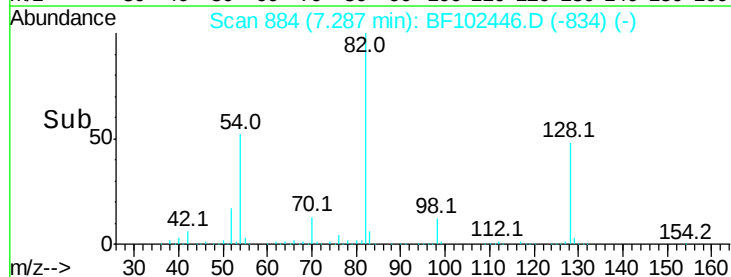
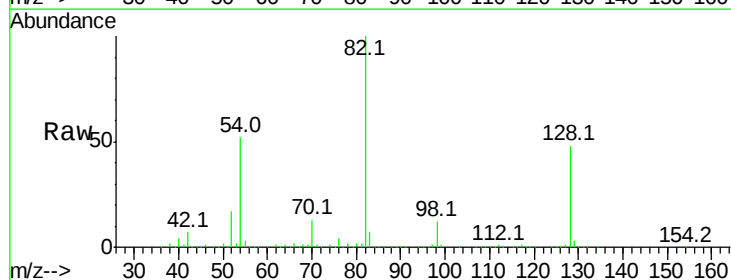
Tgt Ion: 82 Resp: 664811

Ion Ratio Lower Upper

82 100

128 48.4 36.1 54.1

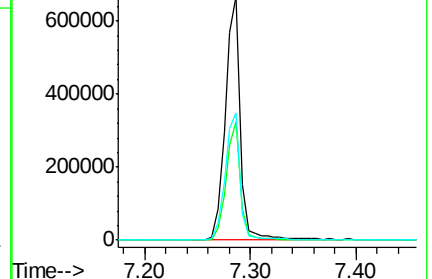
54 52.4 41.4 62.2

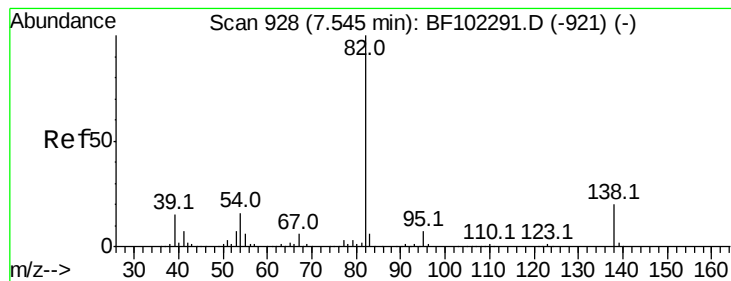


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.719 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Instrument :

BNA_F

ClientSampled :

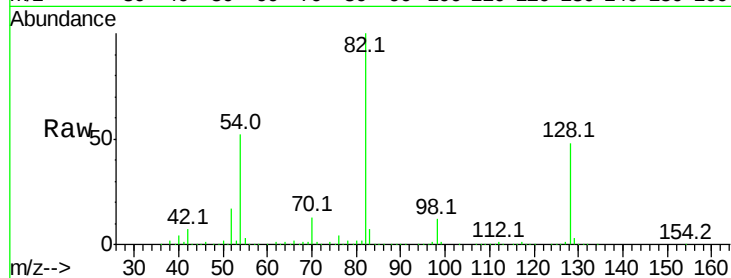
Tot Ion: 82 Resp: 661801

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

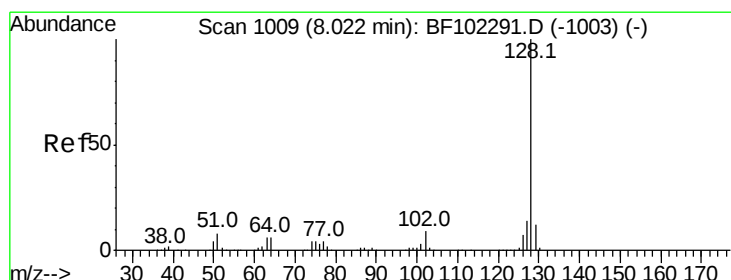
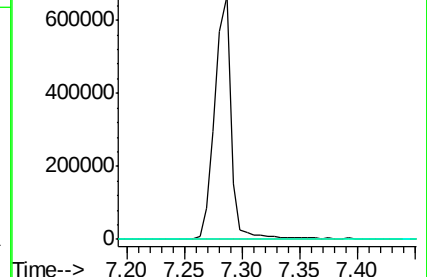
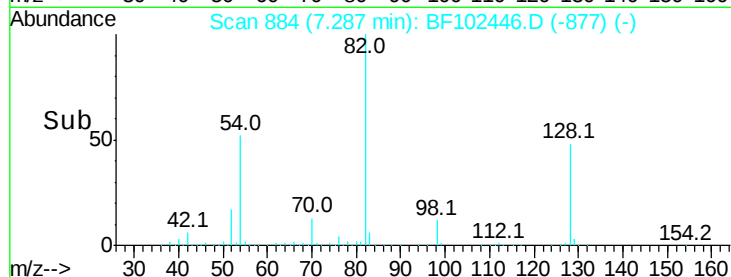
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 8.345 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

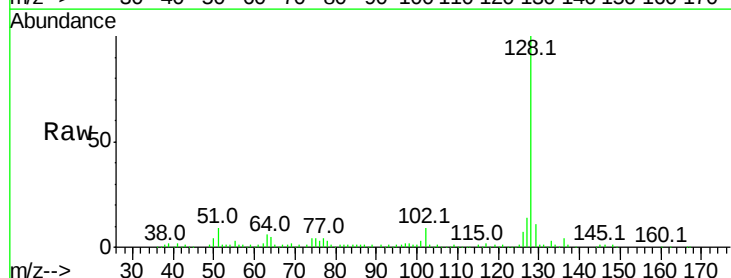
Tgt Ion: 128 Resp: 223780

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

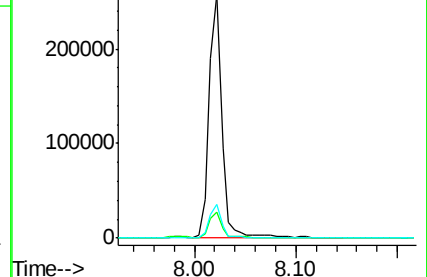
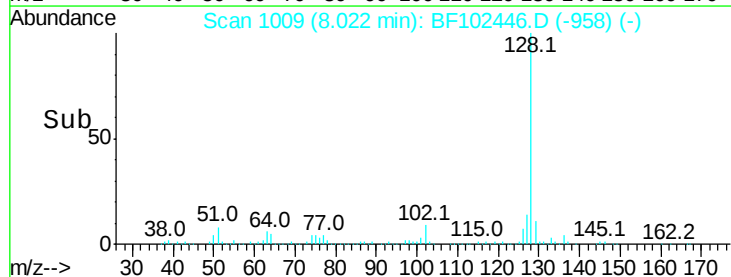
127 13.6 10.9 16.3

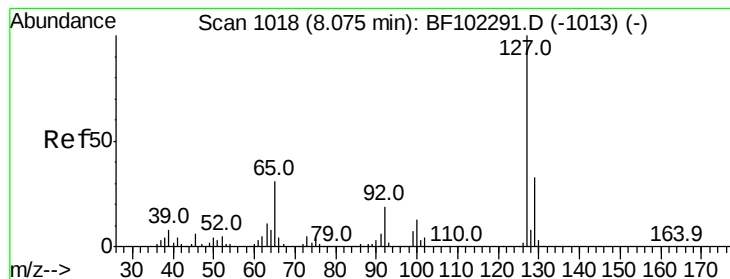


Abundance Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1





#33

4-Chloroaniline

Concen: 2.749 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.06 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:127 Resp: 31000

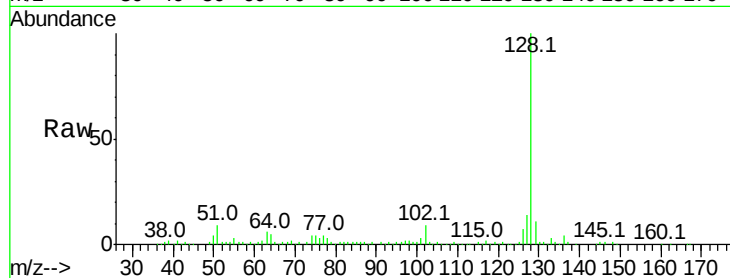
Ion Ratio Lower Upper

127 100

129 78.7 25.9 38.9#

65 5.2 25.0 37.4#

92 1.8 15.2 22.8#

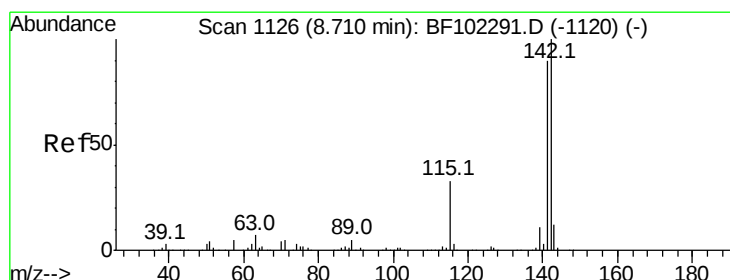
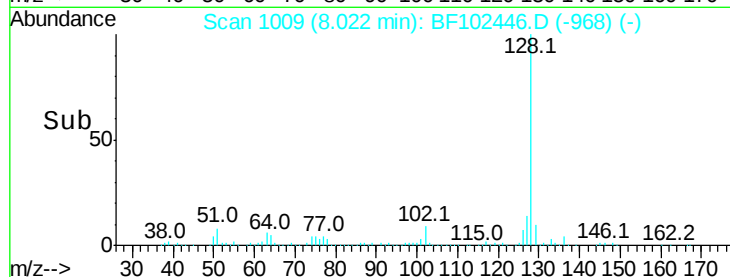
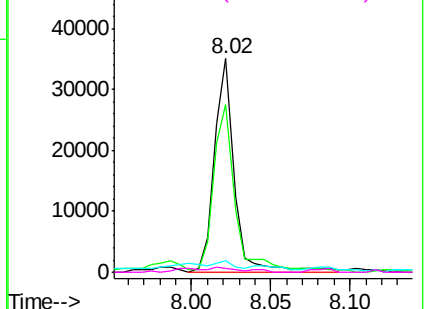


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#37

2-Methylnaphthalene

Concen: 6.875 ng

RT: 8.71 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

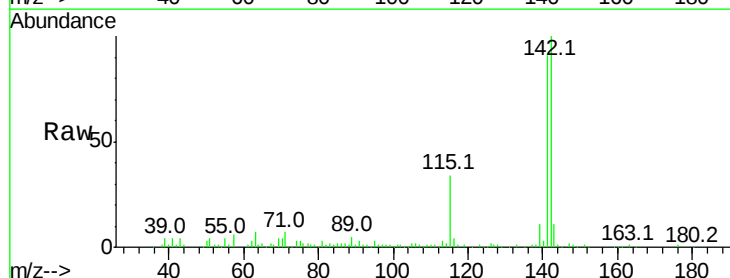
Tgt Ion:142 Resp: 122784

Ion Ratio Lower Upper

142 100

141 90.8 70.8 106.2

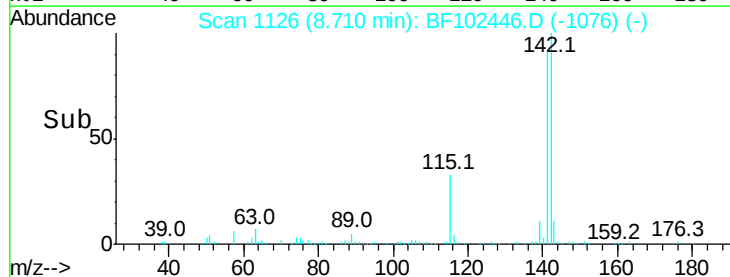
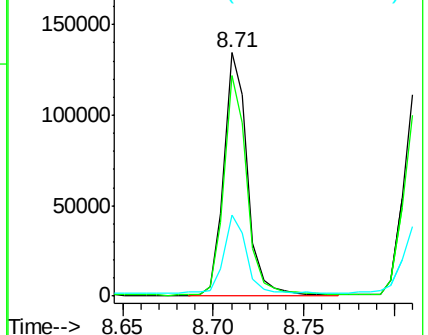
115 33.5 26.1 39.1

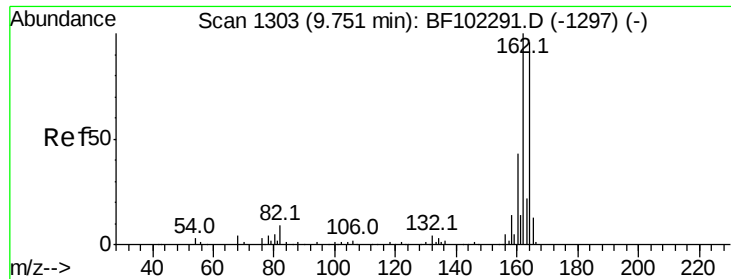


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

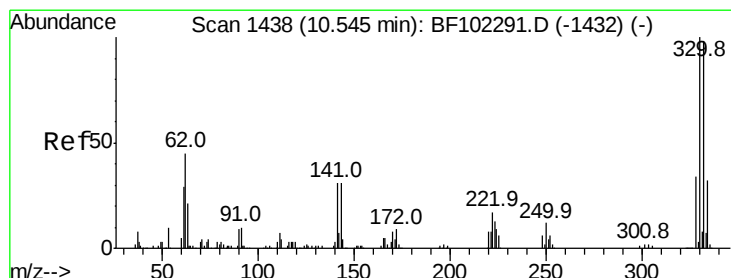
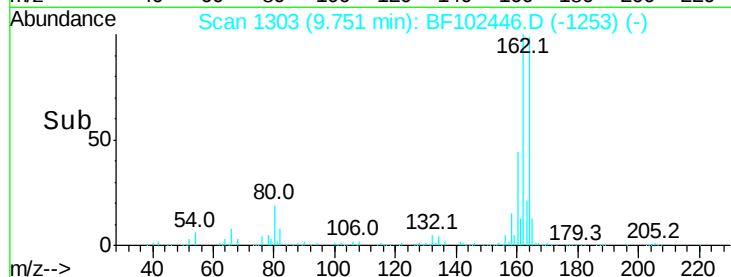
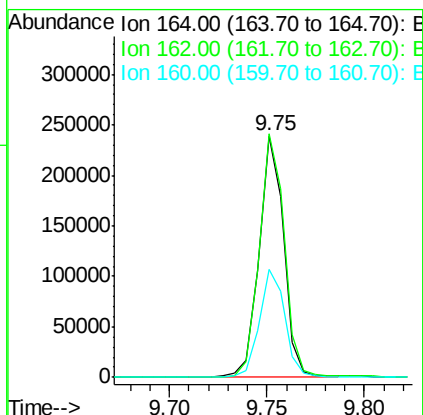
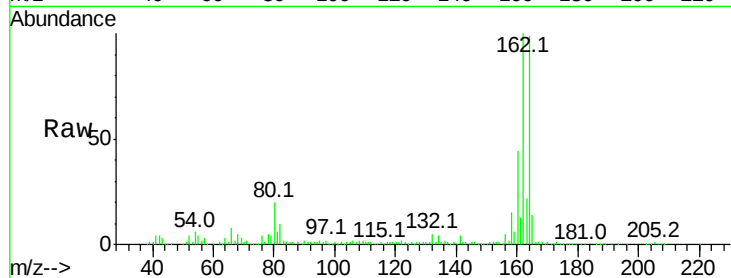




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF102446.D
 Acq: 26 Jan 2018 1:32

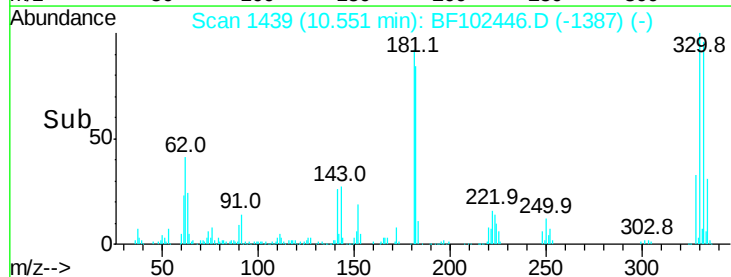
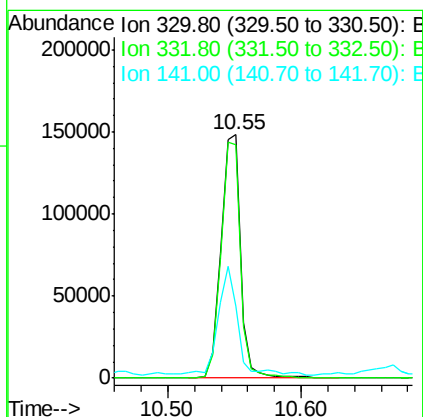
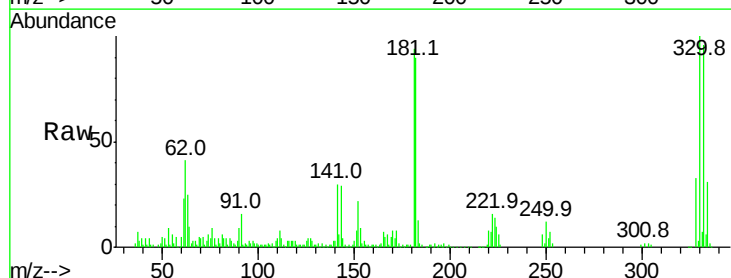
Instrument :
 BNA_F
 ClientSampleId :

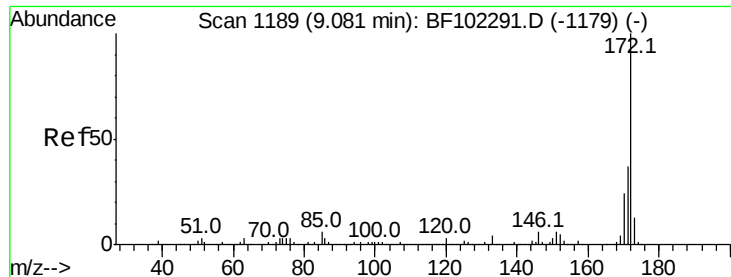
Tot Ion:164 Resp: 208700
 Ion Ratio Lower Upper
 164 100
 162 100.8 86.1 129.1
 160 44.5 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 74.987 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BF102446.D
 Acq: 26 Jan 2018 1:32

Tgt Ion:330 Resp: 155067
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 43.6 29.9 44.9

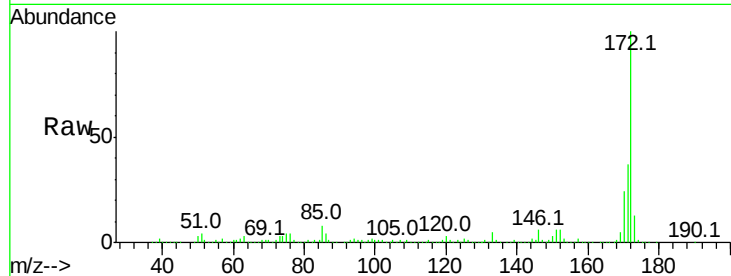




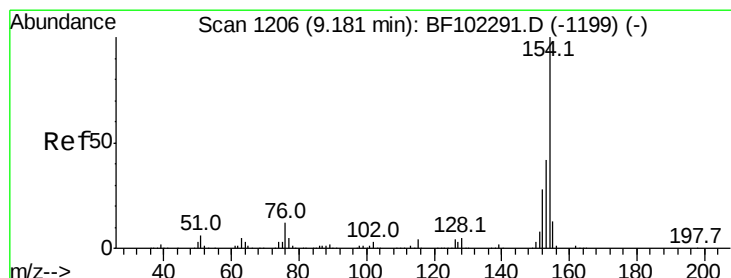
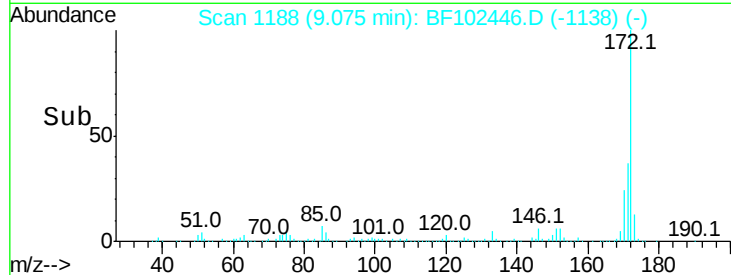
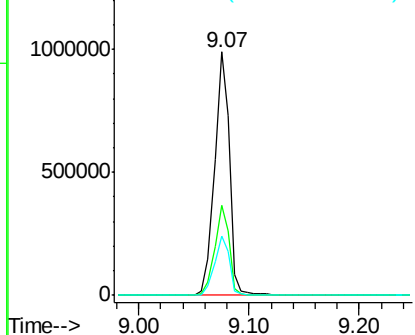
#44
2-Fluorobiphenyl
Concen: 64.460 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102446.D
Acq: 26 Jan 2018 1:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 914940
Ion Ratio Lower Upper
172 100
171 37.1 29.7 44.5
170 24.4 19.6 29.4

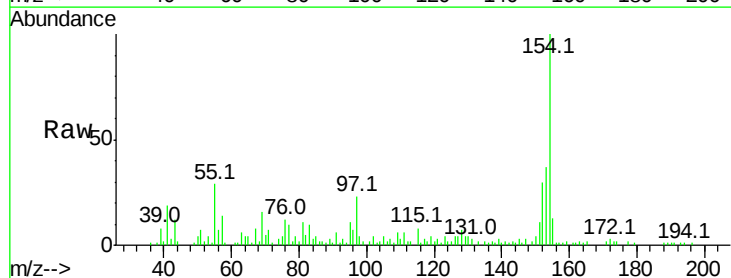


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

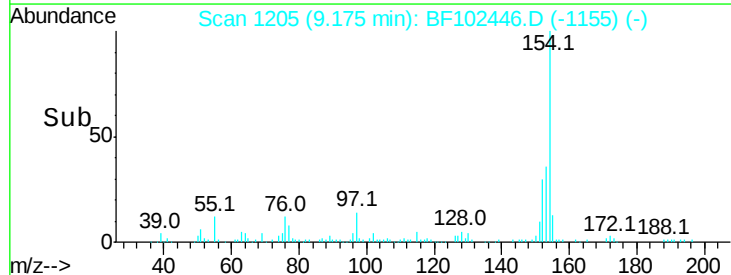
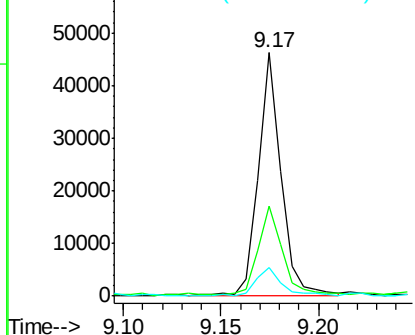


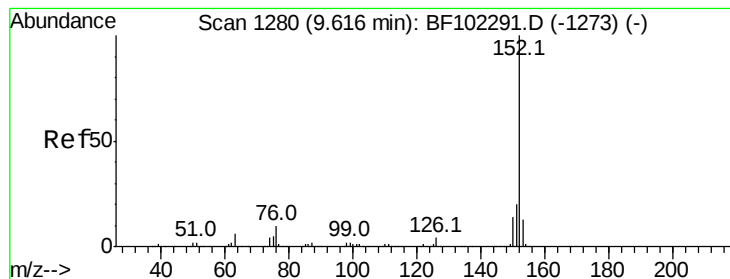
#45
1,1'-Biphenyl
Concen: 2.018 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF102446.D
Acq: 26 Jan 2018 1:32

Tgt Ion:154 Resp: 37664
Ion Ratio Lower Upper
154 100
153 36.7 21.3 61.3
76 11.6 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#48

Acenaphthylene

Concen: 3.092 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Instrument :

BNA_F

ClientSampled :

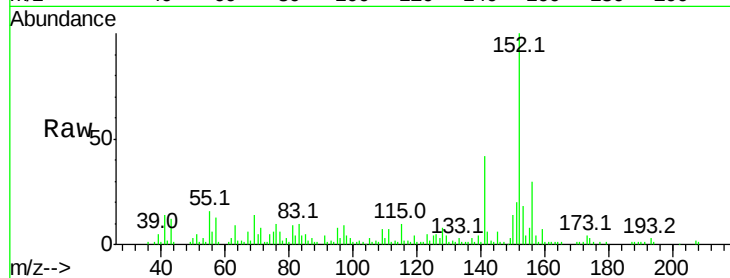
Tot Ion:152 Resp: 69863

Ion Ratio Lower Upper

152 100

151 20.4 16.3 24.5

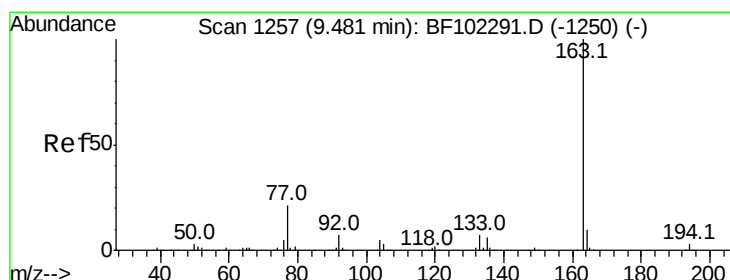
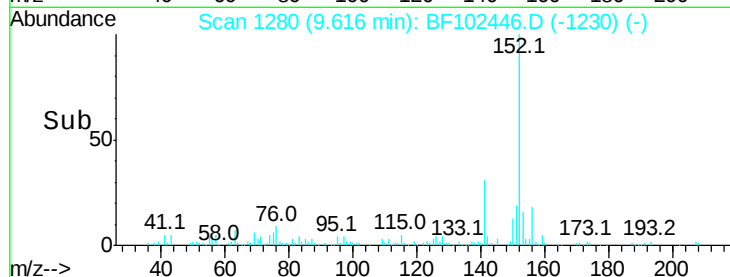
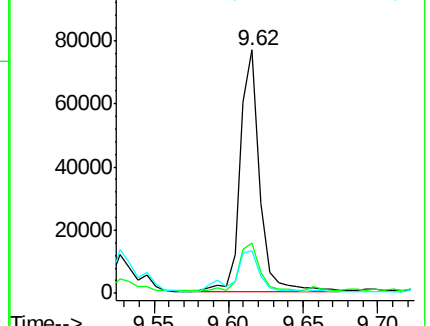
153 17.6 10.7 16.1#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 5.423 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

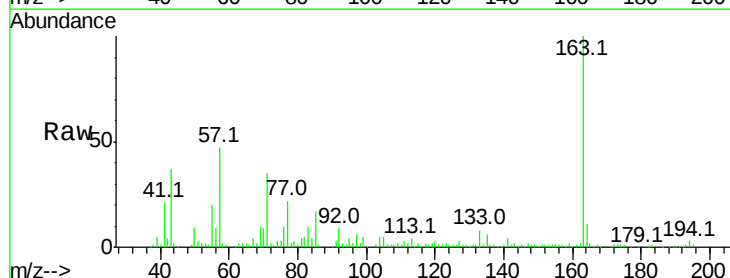
Tgt Ion:163 Resp: 93551

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

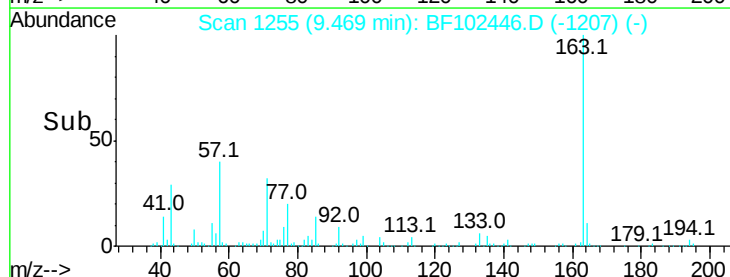
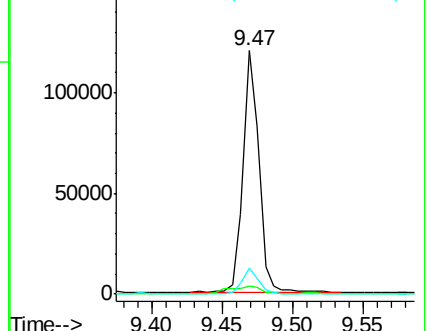
164 10.9 8.2 12.2

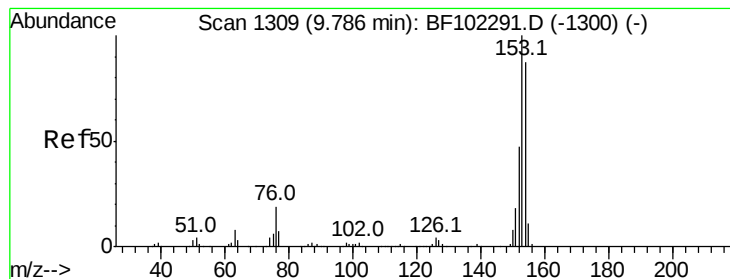


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 27.700 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Instrument :

BNA_F

ClientSampleId :

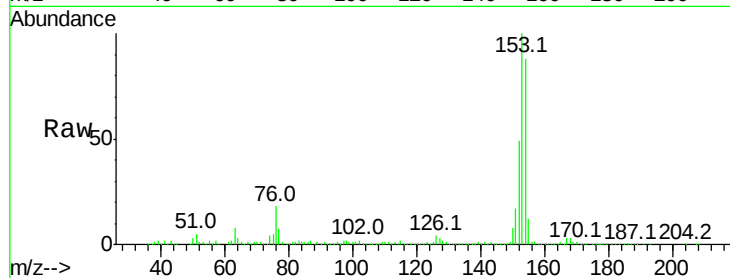
Tot Ion:154 Resp: 365581

Ion Ratio Lower Upper

154 100

153 113.2 91.2 136.8

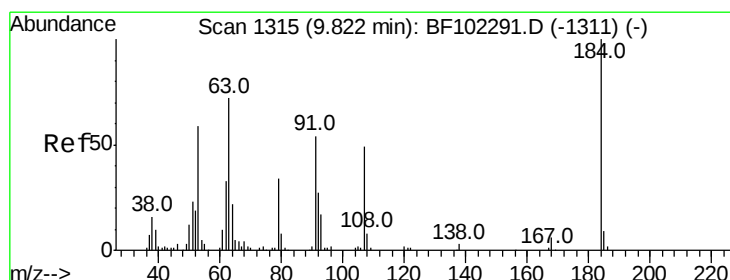
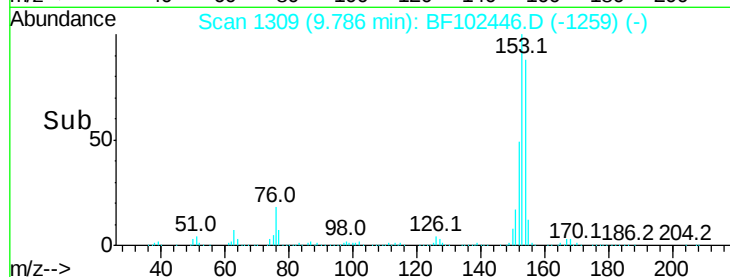
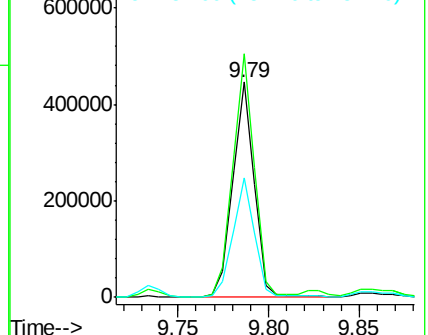
152 55.3 43.8 65.8



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: 3.775 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.14 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

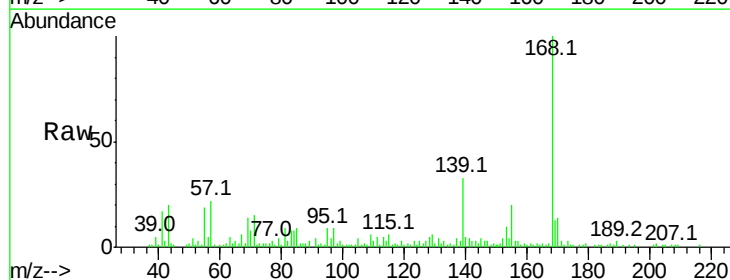
Tgt Ion:184 Resp: 138

Ion Ratio Lower Upper

184 100

63 741.4 54.2 81.2#

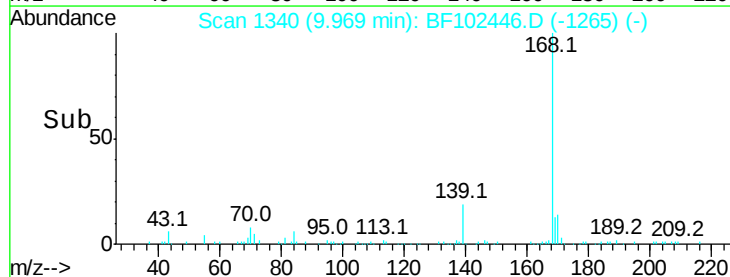
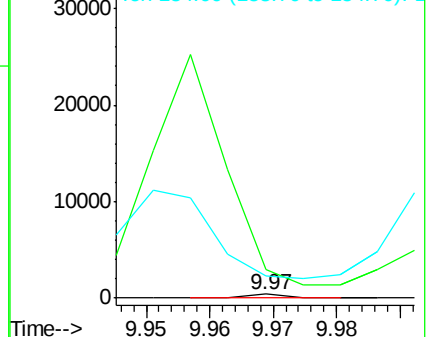
154 586.2 184.0 276.0#

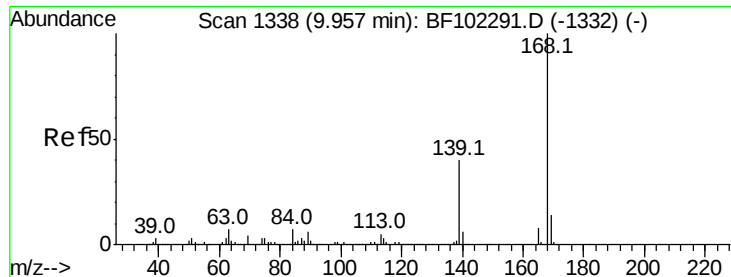


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 21.263 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

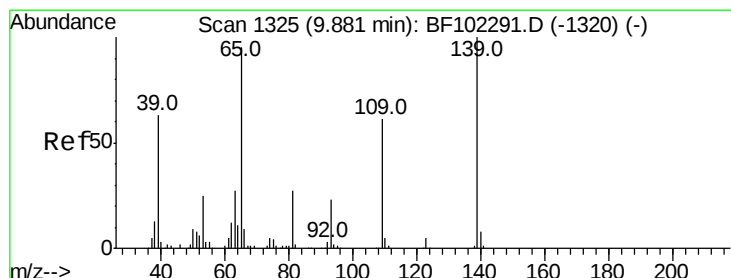
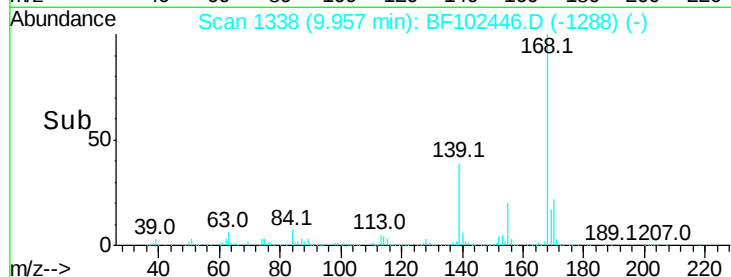
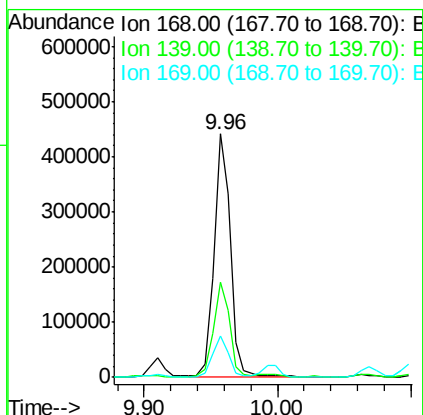
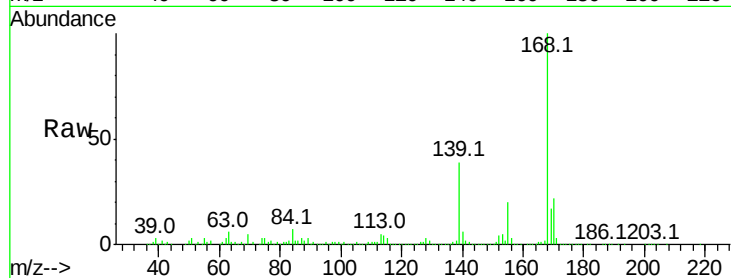
Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:168 Resp: 379788

Ion	Ratio	Lower	Upper
168	100		
139	39.2	30.1	45.1
169	17.2	10.9	16.3#



#55

4-Nitrophenol

Concen: 2.225 ng

RT: 9.79 min Scan# 1310

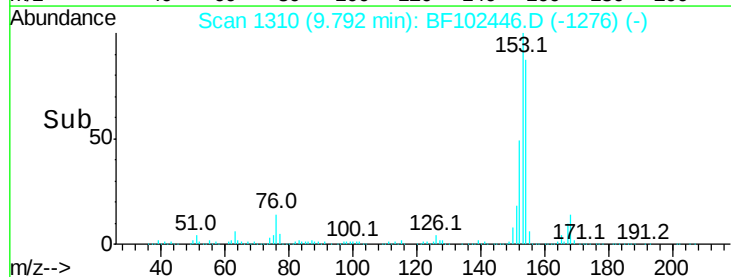
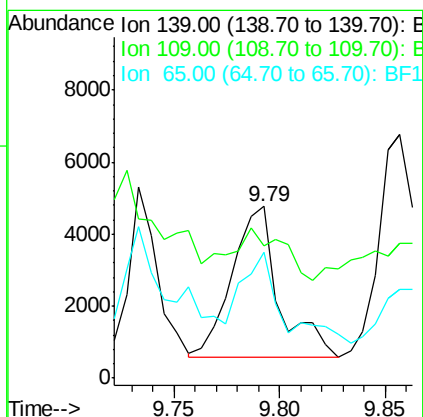
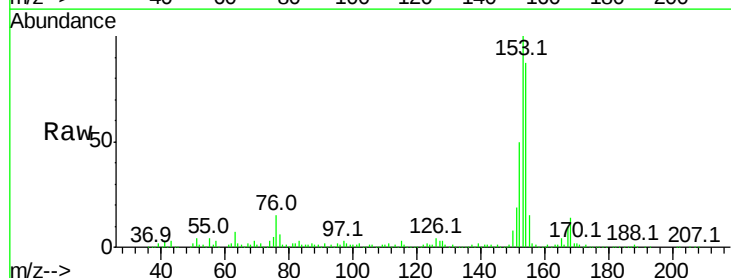
Delta R.T. -0.10 min

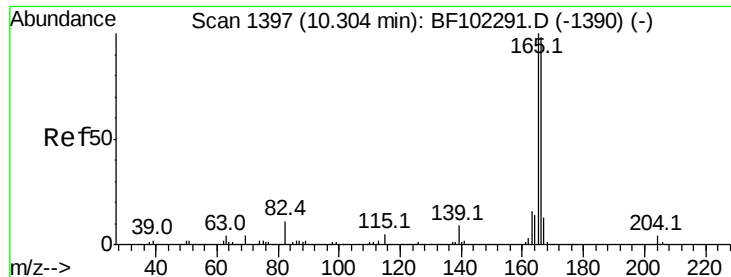
Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Tgt Ion:139 Resp: 6463

Ion	Ratio	Lower	Upper
139	100		
109	77.1	48.4	88.4
65	73.4	72.6	112.6





#57

Fluorene

Concen: 50.084 ng

RT: 10.30 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Instrument :

BNA_F

ClientSampled :

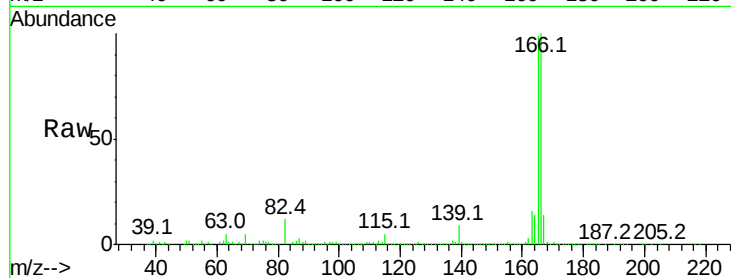
Tot Ion:166 Resp: 708867

Ion Ratio Lower Upper

166 100

165 99.0 79.8 119.8

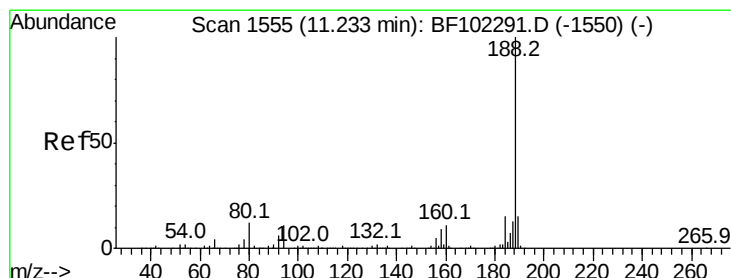
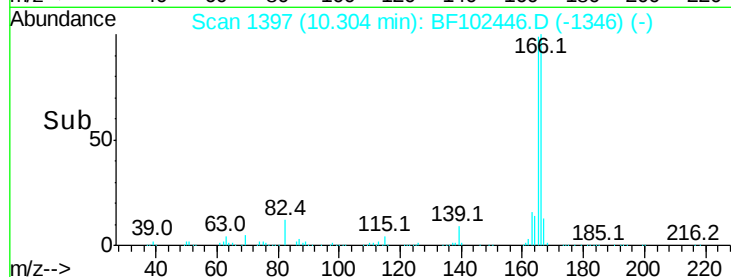
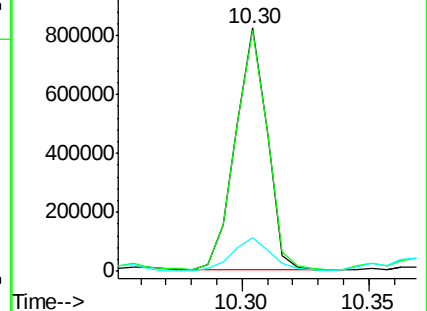
167 13.9 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

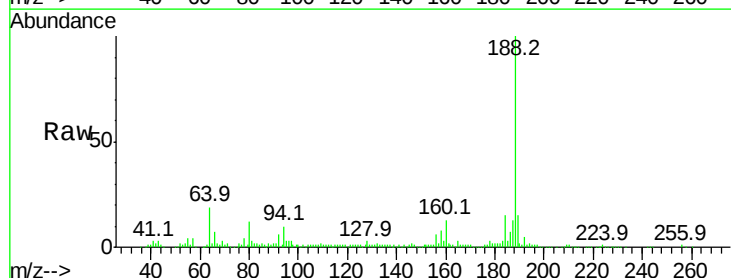
Tgt Ion:188 Resp: 293243

Ion Ratio Lower Upper

188 100

94 10.3 8.5 12.7

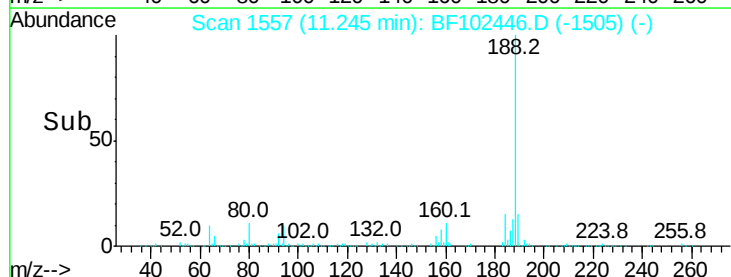
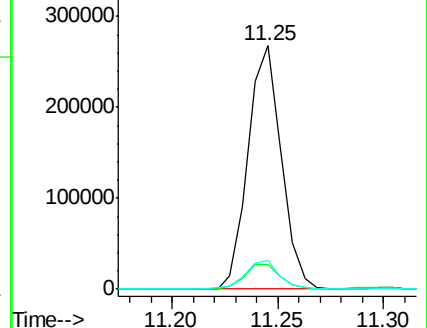
80 11.6 9.2 13.8

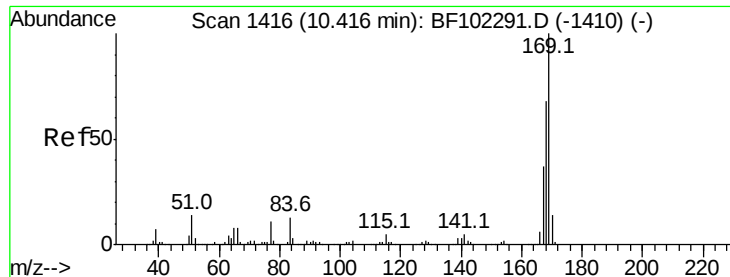


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

n-Nitrosodiphenylamine

Concen: 3.215 ng

RT: 10.41 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Instrument :

BNA_F

ClientSampleId :

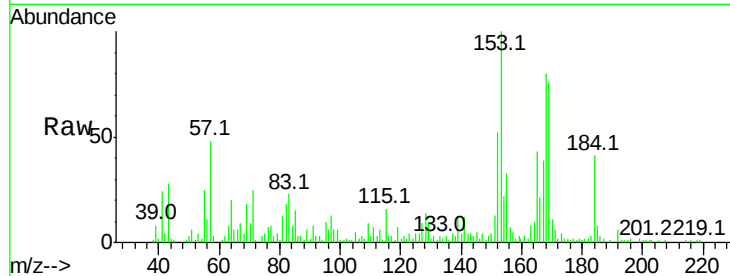
Tot Ion:169 Resp: 34601

Ion Ratio Lower Upper

169 100

168 104.4 54.4 81.6#

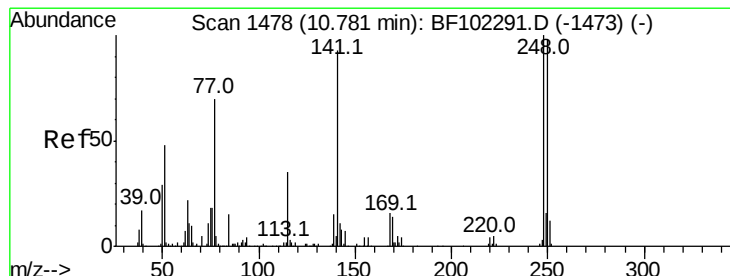
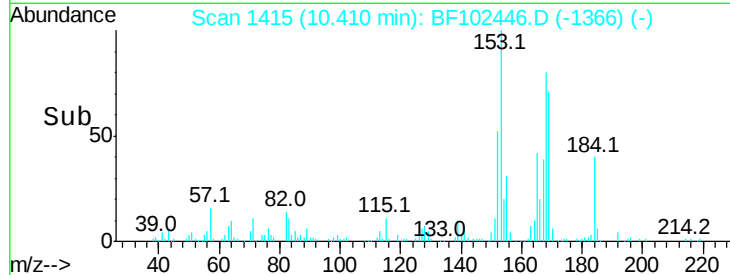
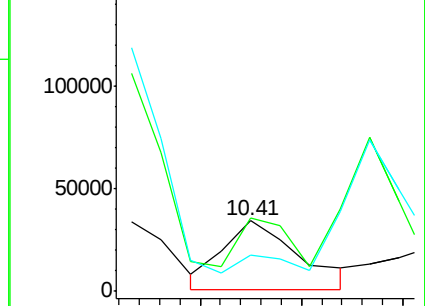
167 51.7 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.462 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.24 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

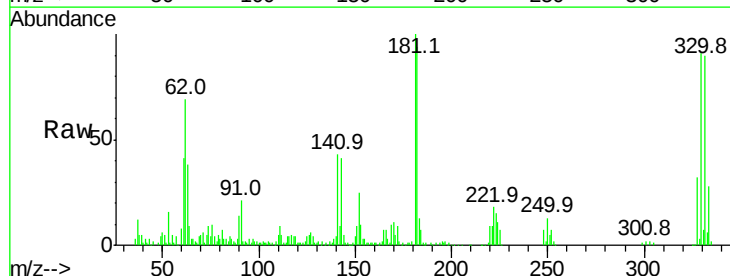
Tgt Ion:248 Resp: 10930

Ion Ratio Lower Upper

248 100

250 187.7 76.9 115.3#

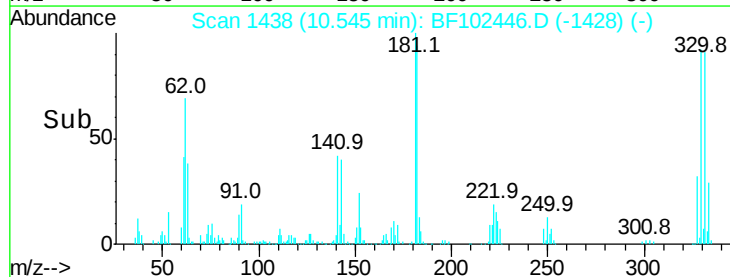
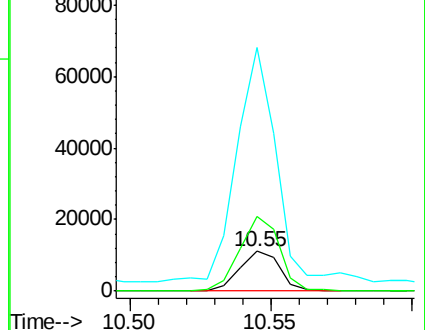
141 613.5 74.4 111.6#

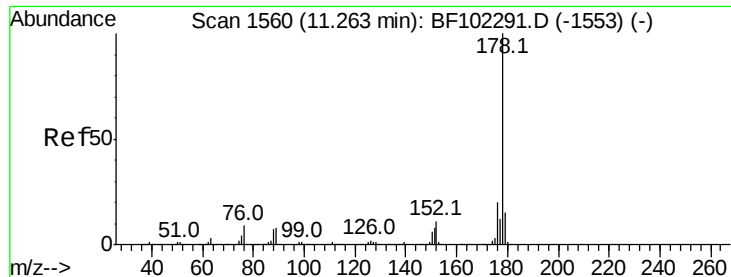


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 149.060 ng

RT: 11.28 min Scan# 1563

Delta R.T. 0.02 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Instrument :

BNA_F

ClientSampleId :

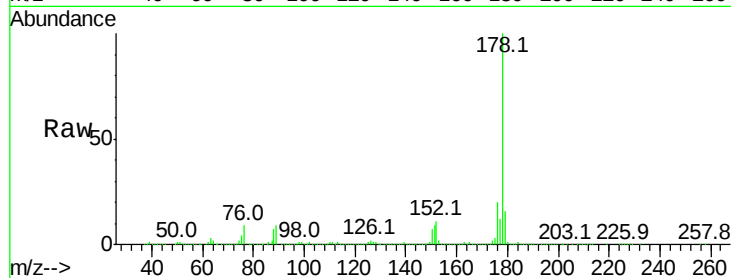
Tot Ion:178 Resp: 2547132

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

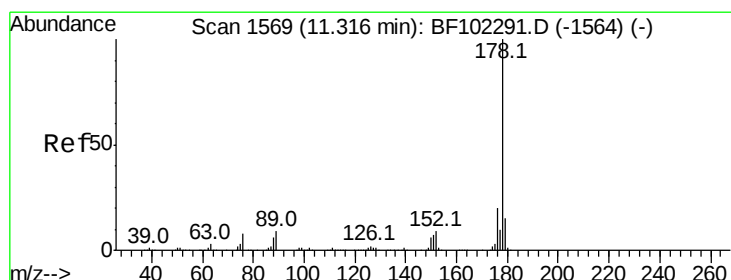
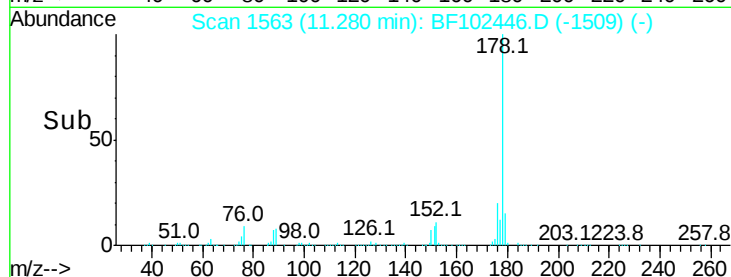
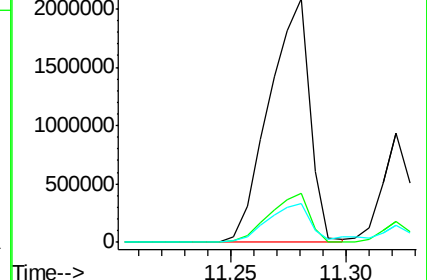
179 15.9 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 41.758 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

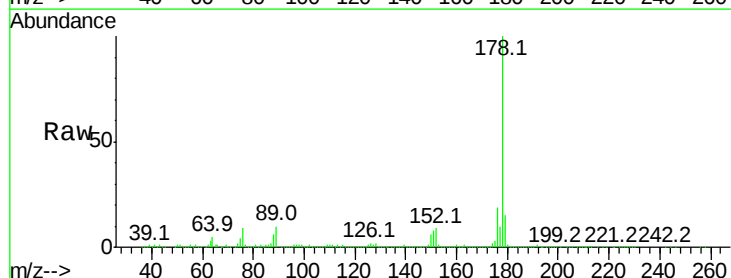
Tgt Ion:178 Resp: 728328

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

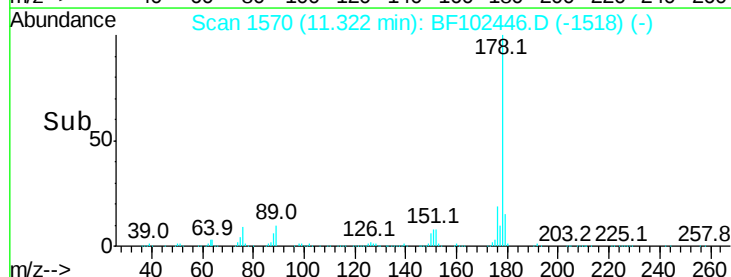
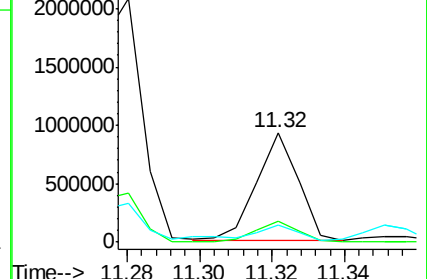
179 15.3 12.6 19.0

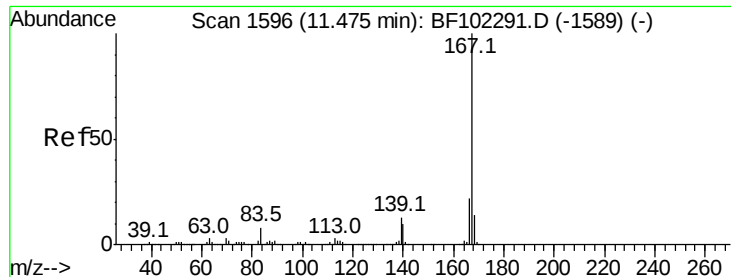


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 9.246 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Instrument :

BNA_F

ClientSampleId :

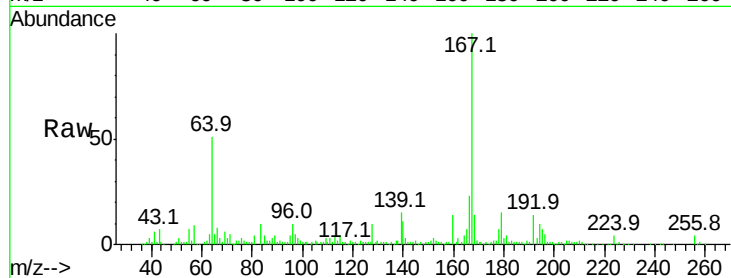
Tot Ion:167 Resp: 157322

Ion Ratio Lower Upper

167 100

166 23.2 17.6 26.4

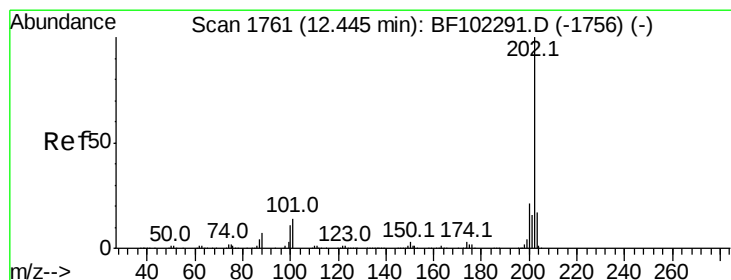
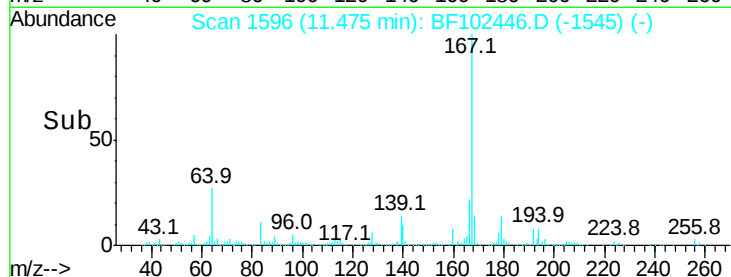
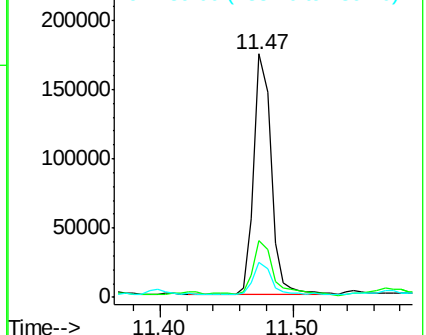
139 14.6 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 125.214 ng

RT: 12.48 min Scan# 1767

Delta R.T. 0.03 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

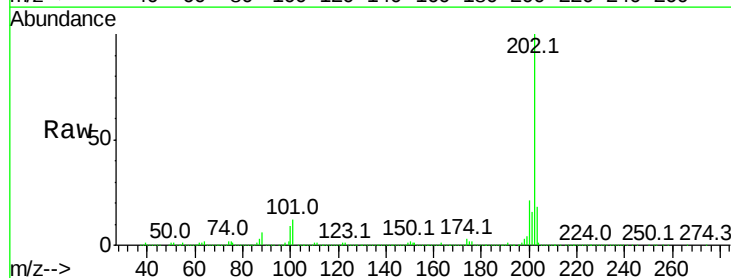
Tgt Ion:202 Resp: 2181927

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.1

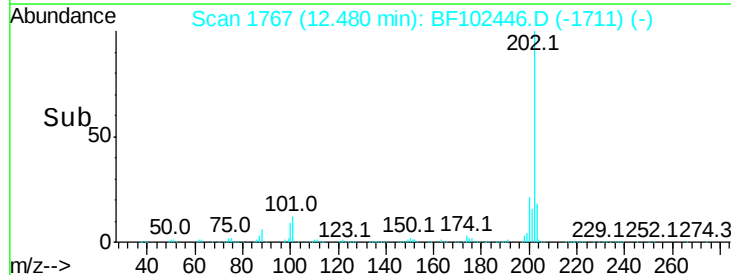
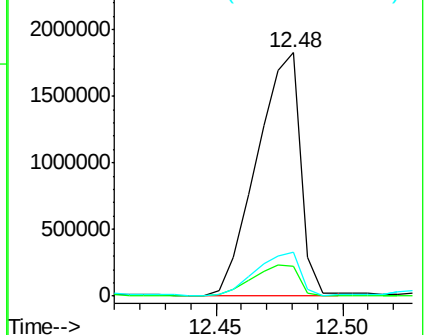
203 17.8 0.0 38.1

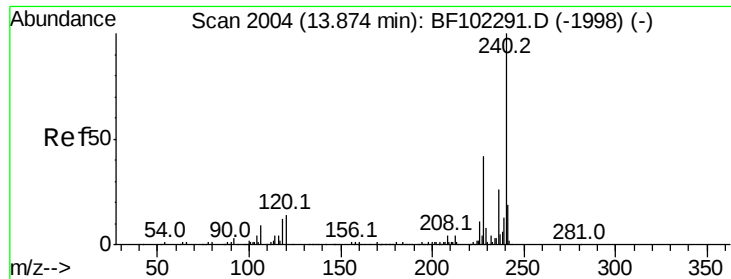


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Instrument :

BNA_F

ClientSampleId :

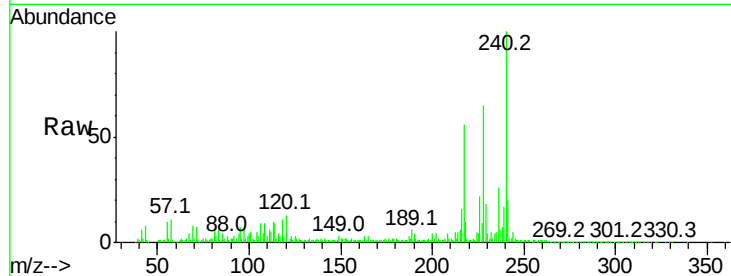
Tot Ion:240 Resp: 223294

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

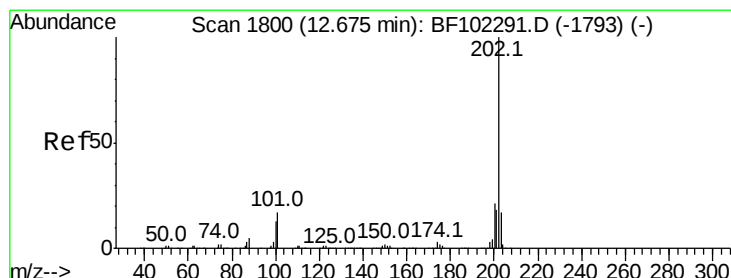
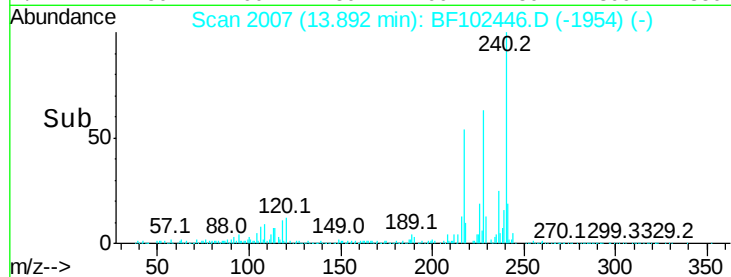
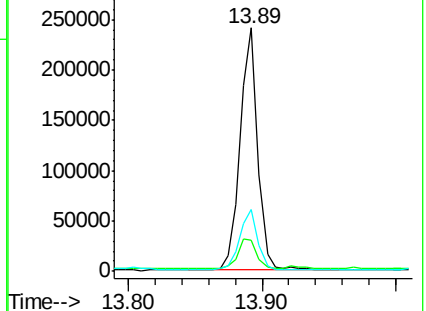
236 25.5 20.7 31.1



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: 114.087 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.02 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

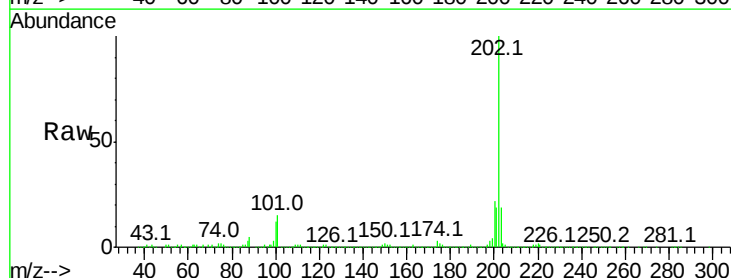
Tgt Ion:202 Resp: 1969629

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

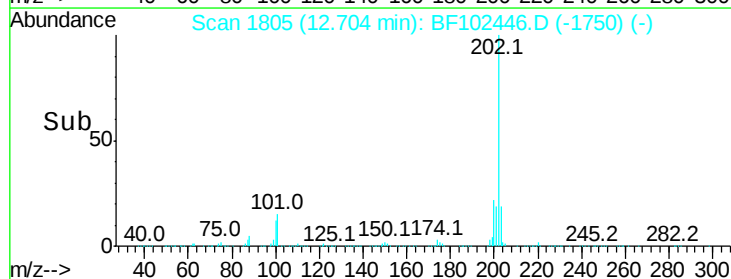
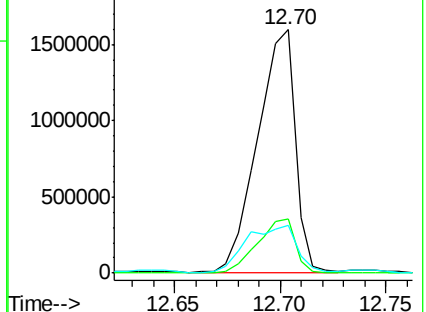
203 19.5 14.3 21.5

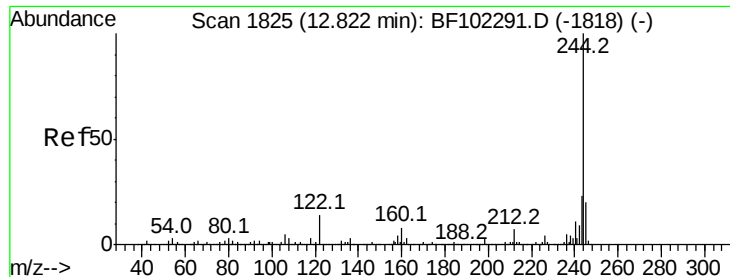


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 65.044 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Instrument :

BNA_F

ClientSampleId :

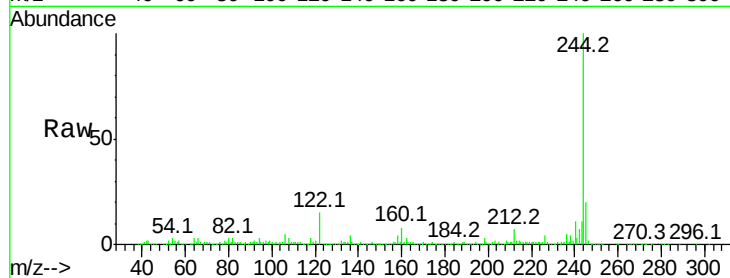
Tot Ion:244 Resp: 644262

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

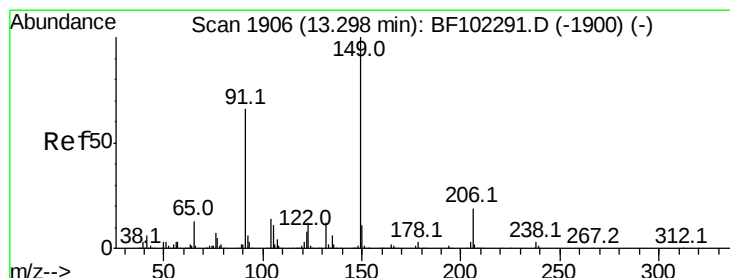
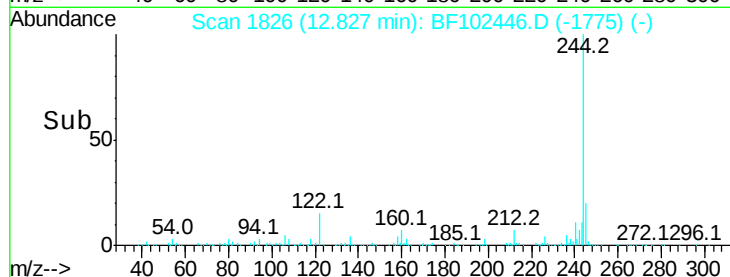
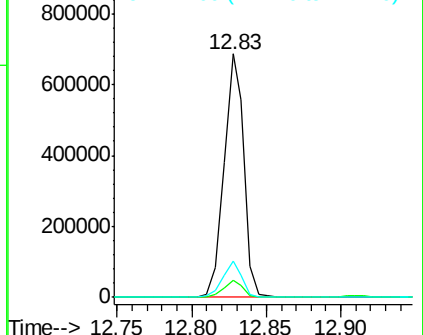
122 14.8 11.0 16.4



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



#79

Butylbenzylphthalate

Concen: 21.060 ng

RT: 13.30 min Scan# 1907

Delta R.T. 0.01 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

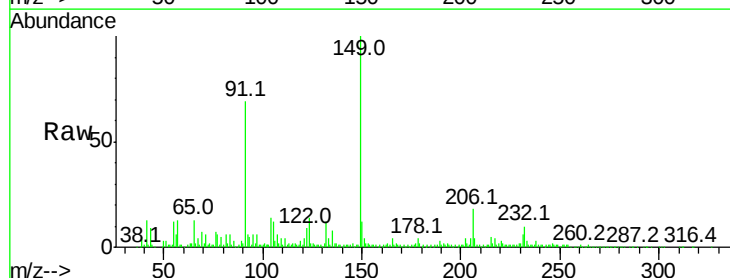
Tgt Ion:149 Resp: 180943

Ion Ratio Lower Upper

149 100

91 68.6 56.8 85.2

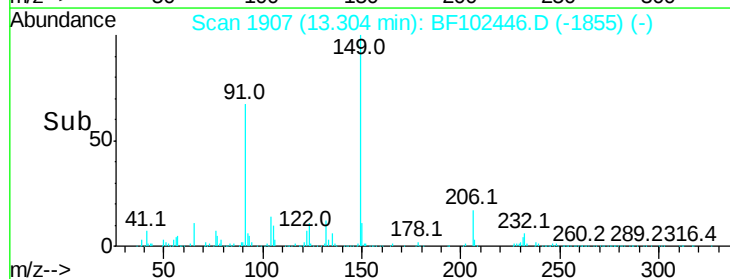
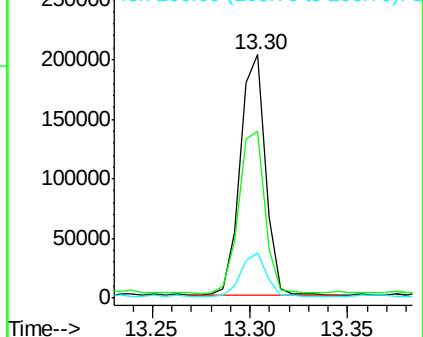
206 18.5 14.1 21.1

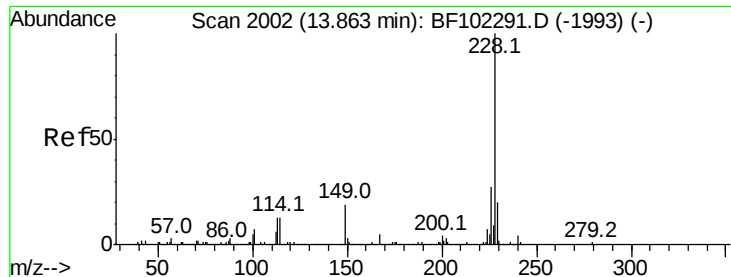


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 65.131 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Instrument :

BNA_F

ClientSampleId :

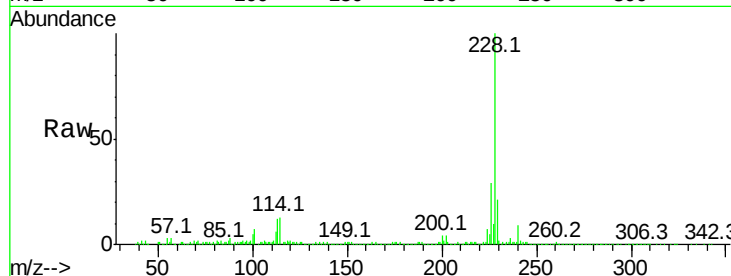
Tot Ion:228 Resp: 895384

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

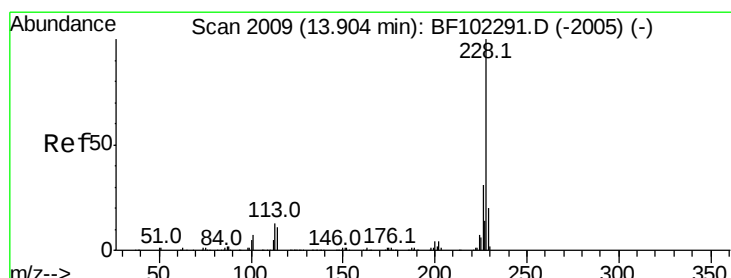
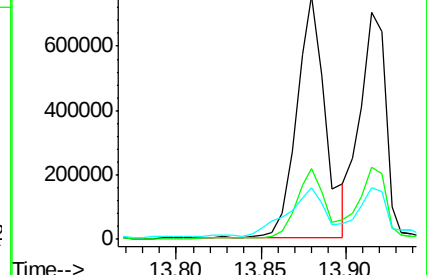
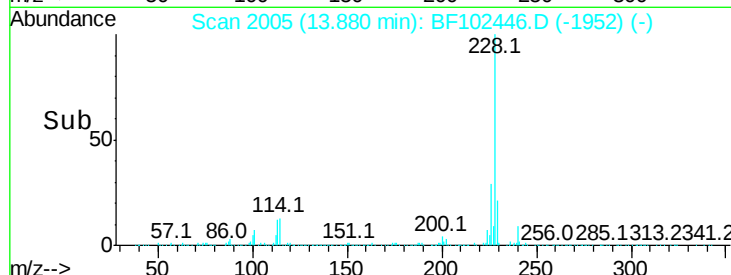
229 21.5 15.8 23.6



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: 53.950 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

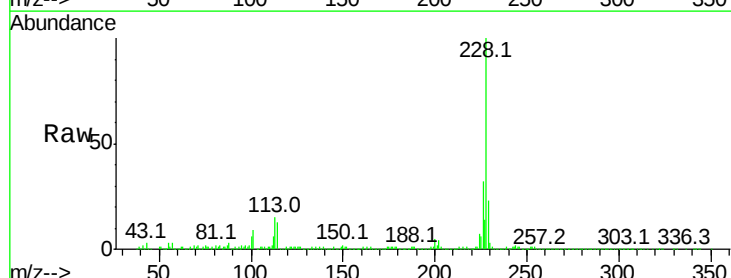
Tgt Ion:228 Resp: 753170

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

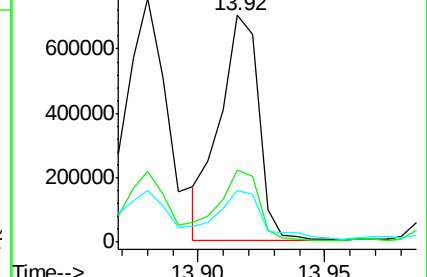
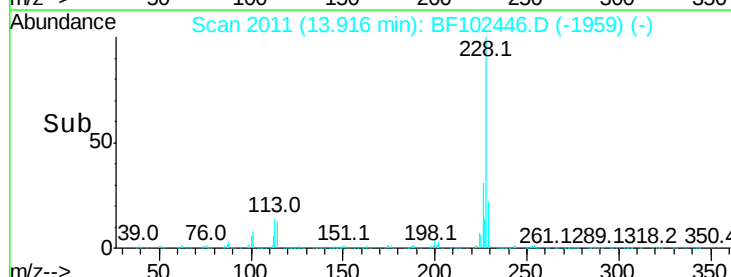
229 22.8 16.2 24.4

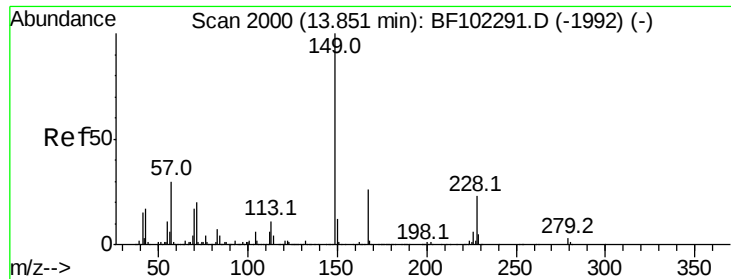


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

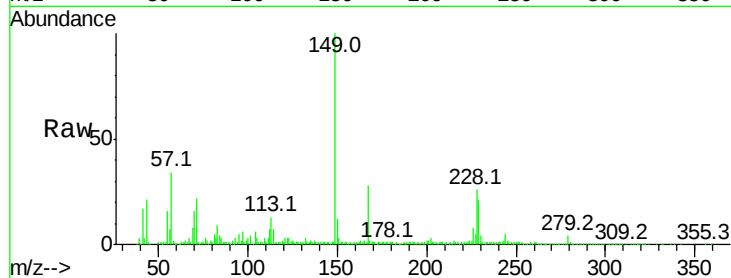




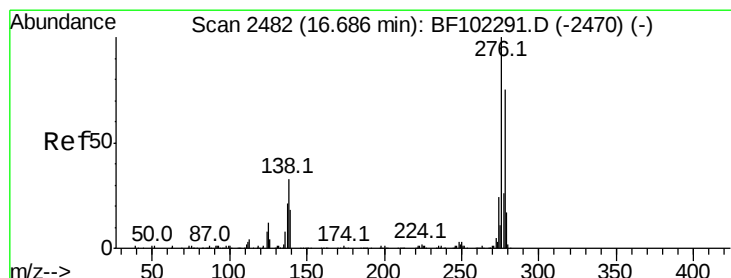
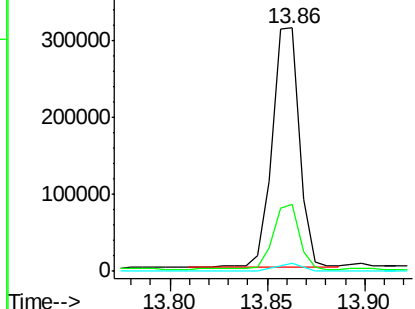
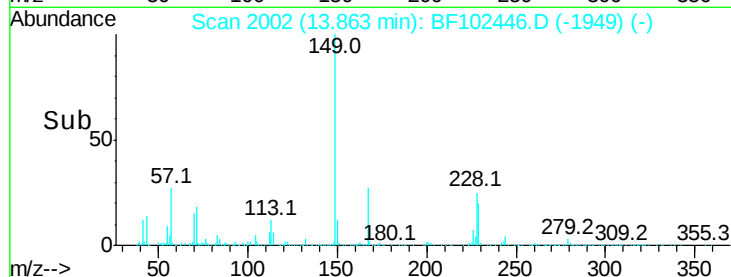
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 26.329 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. 0.01 min
 Lab File: BF102446.D
 Acq: 26 Jan 2018 1:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 304001
 Ion Ratio Lower Upper
 149 100
 167 27.5 21.3 31.9
 279 3.6 3.0 4.4

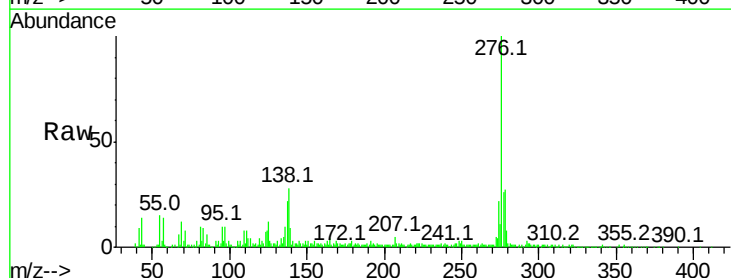


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

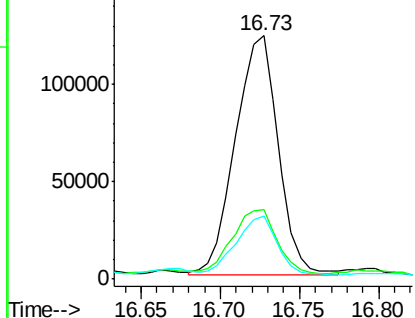
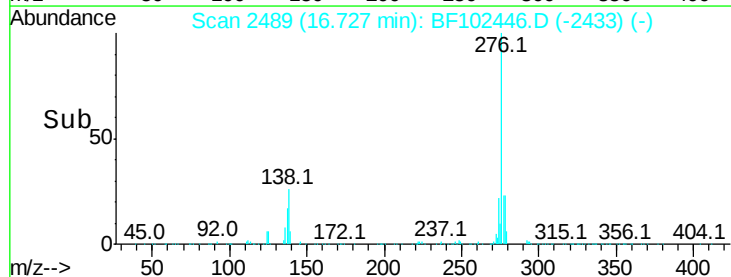


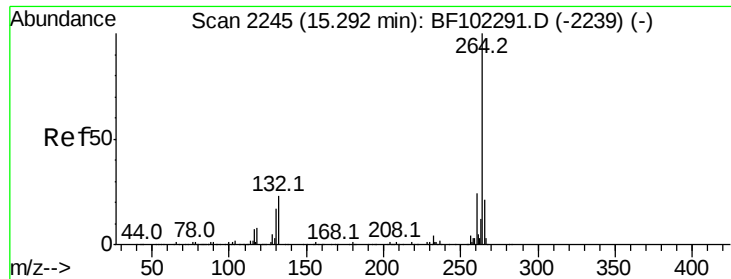
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 20.033 ng
 RT: 16.73 min Scan# 2489
 Delta R.T. 0.03 min
 Lab File: BF102446.D
 Acq: 26 Jan 2018 1:32

Tgt Ion:276 Resp: 230966
 Ion Ratio Lower Upper
 276 100
 138 27.3 25.0 37.6
 277 23.6 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

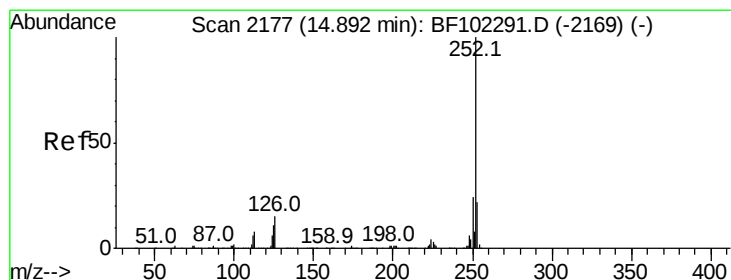
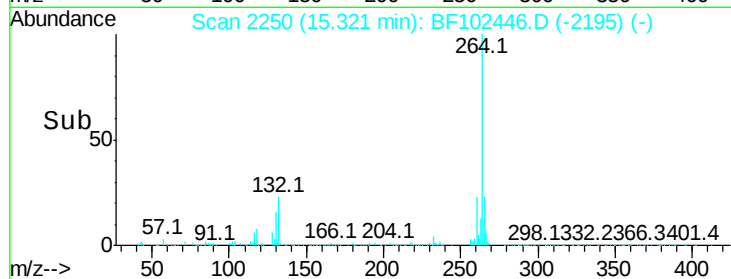
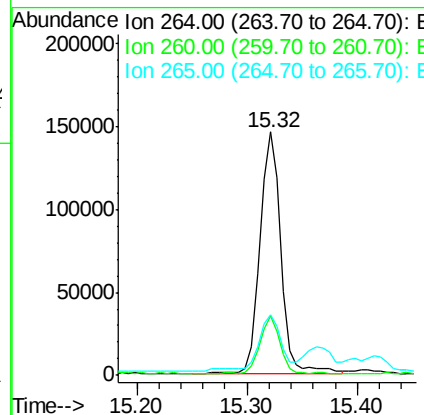
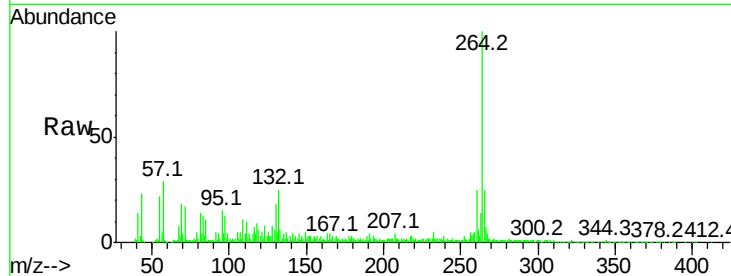




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.02 min
Lab File: BF102446.D
Acq: 26 Jan 2018 1:32

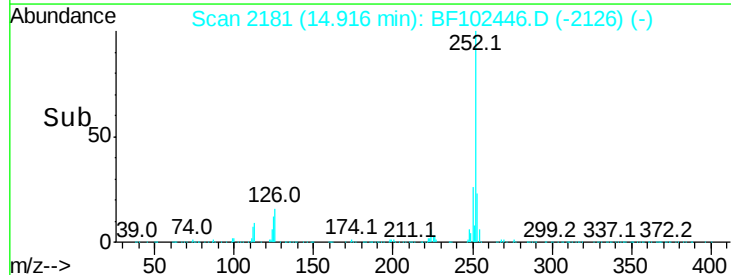
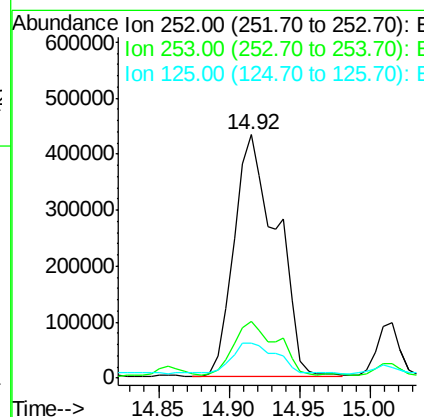
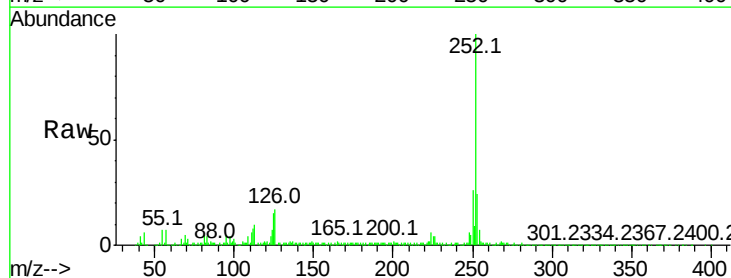
Instrument :
BNA_F
ClientSampleId :

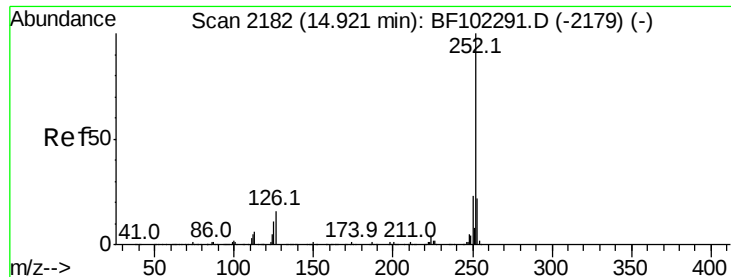
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	25.1	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 71.067 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.02 min
Lab File: BF102446.D
Acq: 26 Jan 2018 1:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	14.6	9.0	13.6

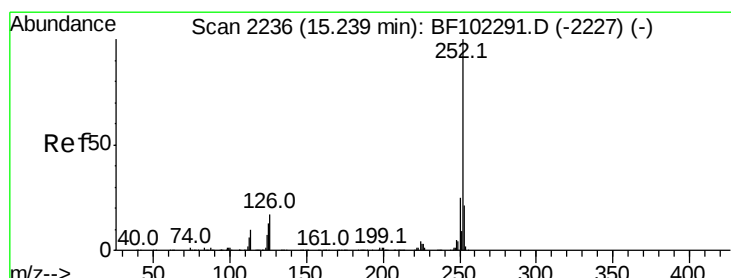
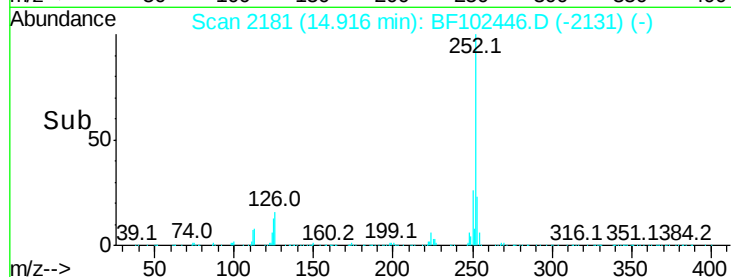
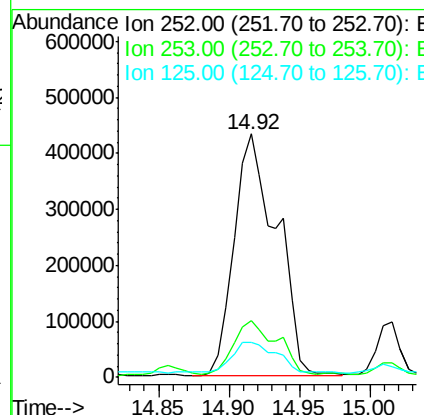
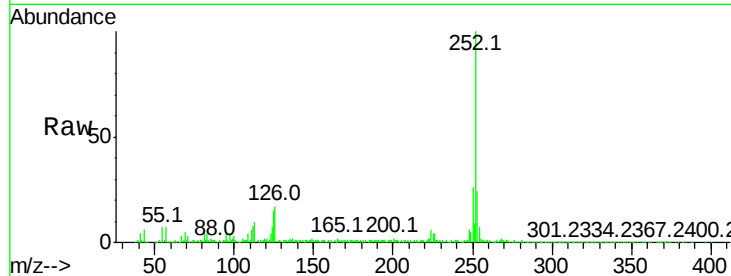




#88
Benzo(k)fluoranthene
Concen: 75.221 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF102446.D
Acq: 26 Jan 2018 1:32

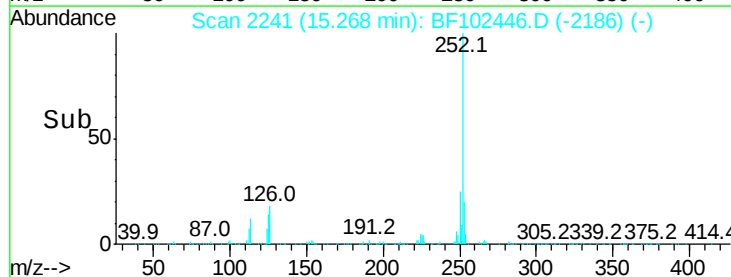
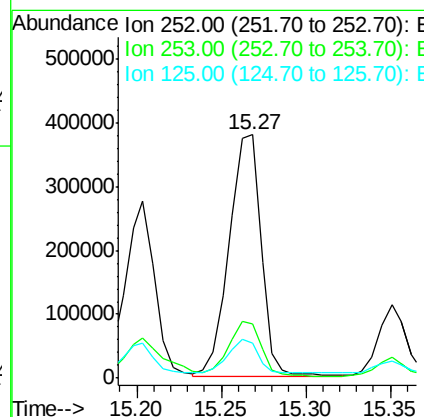
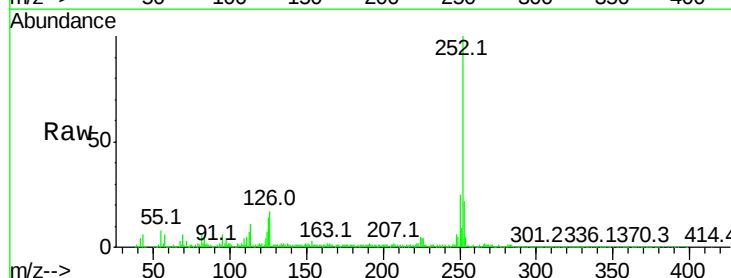
Instrument :
BNA_F
ClientSampleId :

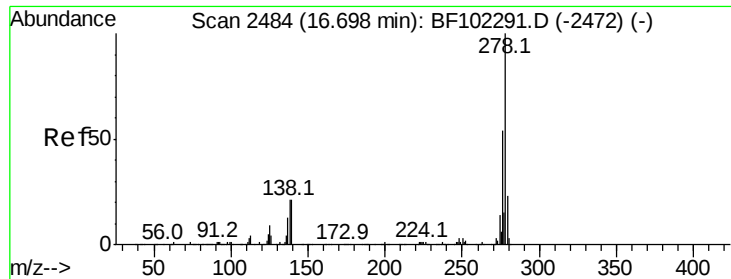
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	14.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 43.322 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF102446.D
Acq: 26 Jan 2018 1:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	14.2	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 6.706 ng

RT: 16.73 min Scan# 2489

Delta R.T. 0.02 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

Instrument :

BNA_F

ClientSampleId :

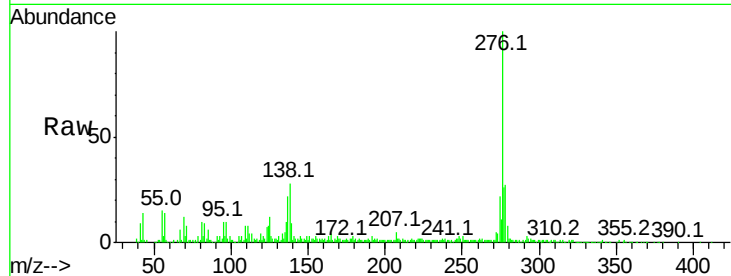
Tot Ion:278 Resp: 62255

Ion Ratio Lower Upper

278 100

139 32.5 15.9 23.9#

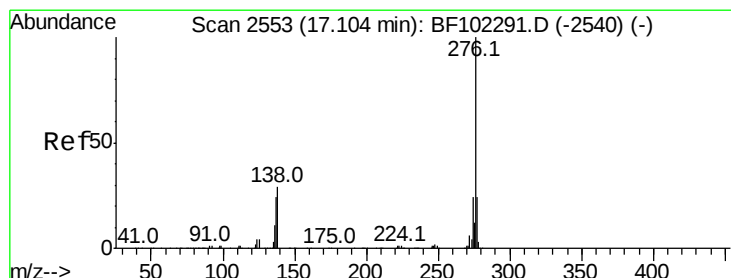
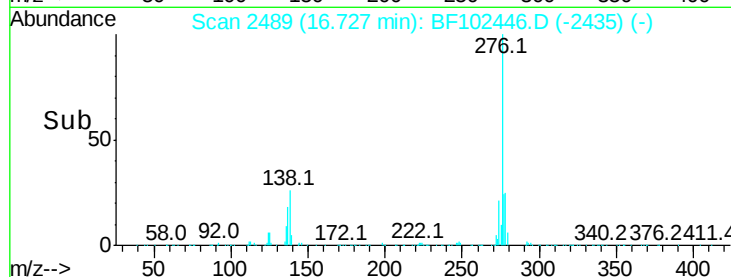
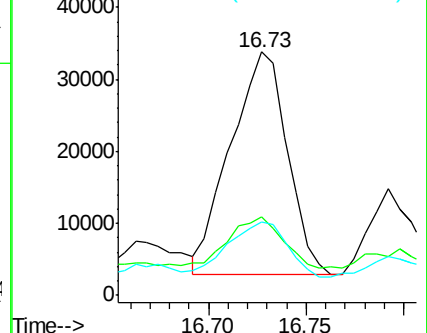
279 30.0 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 23.680 ng

RT: 17.15 min Scan# 2561

Delta R.T. 0.04 min

Lab File: BF102446.D

Acq: 26 Jan 2018 1:32

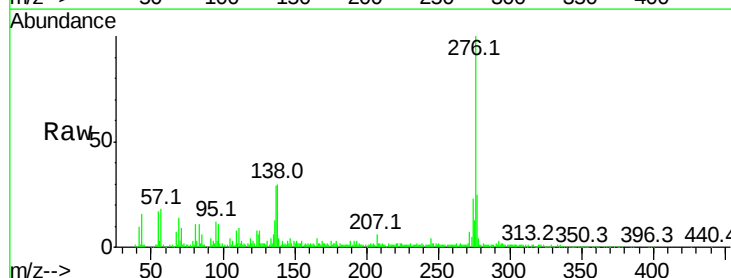
Tgt Ion:276 Resp: 217059

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 29.7 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

