

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103814.D
 Acq On : 20 Mar 2018 20:36
 Operator : JU/SJ
 Sample : J1982-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 00:58:43 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	147652	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	557505	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	235454	20.00	ng	0.01
63) Phenanthrene-d10	11.51	188	432882	20.00	ng	0.01
75) Chrysene-d12	14.16	240	275885	20.00	ng	0.01
86) Perylene-d12	15.70	264	251432	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1316781	135.64	ng	0.02
7) Phenol-d6	6.60	99	1632108	137.42	ng	0.02
23) Nitrobenzene-d5	7.54	82	874819	109.43	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	315466	155.83	ng	0.02
44) 2-Fluorobiphenyl	9.33	172	1217407	82.48	ng	0.00
78) Terphenyl-d14	13.10	244	1018056	85.65	ng	0.01

Target Compounds				Qvalue		
15) Benzyl Alcohol	7.13	79	18647	2.026	ng	# 46
18) Hexachloroethane	7.50	117	9819	2.398	ng	# 1
26) 2-Nitrophenol	7.87	139	7371	11.104	ng	# 1
31) Naphthalene	8.28	128	309597	10.993	ng	# 96
32) Benzoic acid	8.04	122	9247	11.217	ng	# 18
35) Caprolactam	8.70	113	7484	3.013	ng	# 1
37) 2-Methylnaphthalene	9.07	142	623134	34.891	ng	92
47) 2-Nitroaniline	9.56	65	2018	7.239	ng	# 1
48) Acenaphthylene	9.88	152	110242	4.559	ng	# 84
49) Dimethylphthalate	9.72	163	141801	7.894	ng	# 95
50) 2,6-Dinitrotoluene	9.77	165	3657	4.949	ng	# 86
51) Acenaphthene	10.06	154	347390	24.194	ng	98
52) 3-Nitroaniline	9.97	138	2756	4.424	ng	# 70
53) 2,4-Dinitrophenol	10.04	184	398	7.176	ng	# 1
54) Dibenzofuran	10.22	168	311724	15.201	ng	# 90
55) 4-Nitrophenol	10.12	139	14221	9.025	ng	# 25
56) 2,4-Dinitrotoluene	10.22	165	9728	8.137	ng	# 53
57) Fluorene	10.57	166	656130	41.233	ng	99
61) 4-Nitroaniline	10.57	138	7697	5.520	ng	# 60
64) 4,6-Dinitro-2-methylphenol	10.63	198	632	8.554	ng	# 1
65) n-Nitrosodiphenylamine	10.67	169	57987	3.935	ng	# 58
70) Phenanthrene	11.53	178	635801	26.850	ng	100
71) Anthracene	11.59	178	800179	33.271	ng	100
72) Carbazole	11.74	167	261246	11.176	ng	99
74) Fluoranthene	12.74	202	841246	34.484	ng	100
77) Pyrene	12.96	202	693747	34.241	ng	99
80) Benzo(a)anthracene	14.15	228	317778	18.197	ng	97
82) Chrysene	14.15	228	317778	19.089	ng	98
85) Indeno(1,2,3-cd)pyrene	17.27	276	88111	6.061	ng	95
87) Benzo(b)fluoranthene	15.24	252	377530	23.767	ng	# 93
88) Benzo(k)fluoranthene	15.24	252	377530	24.724	ng	96
89) Benzo(a)pyrene	15.63	252	210780	14.630	ng	97
91) Benzo(a,h,i)perylene	17.75	276	82219	6.774	ng	96

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QLast Update : Thu Mar 15 18:31:53 2018
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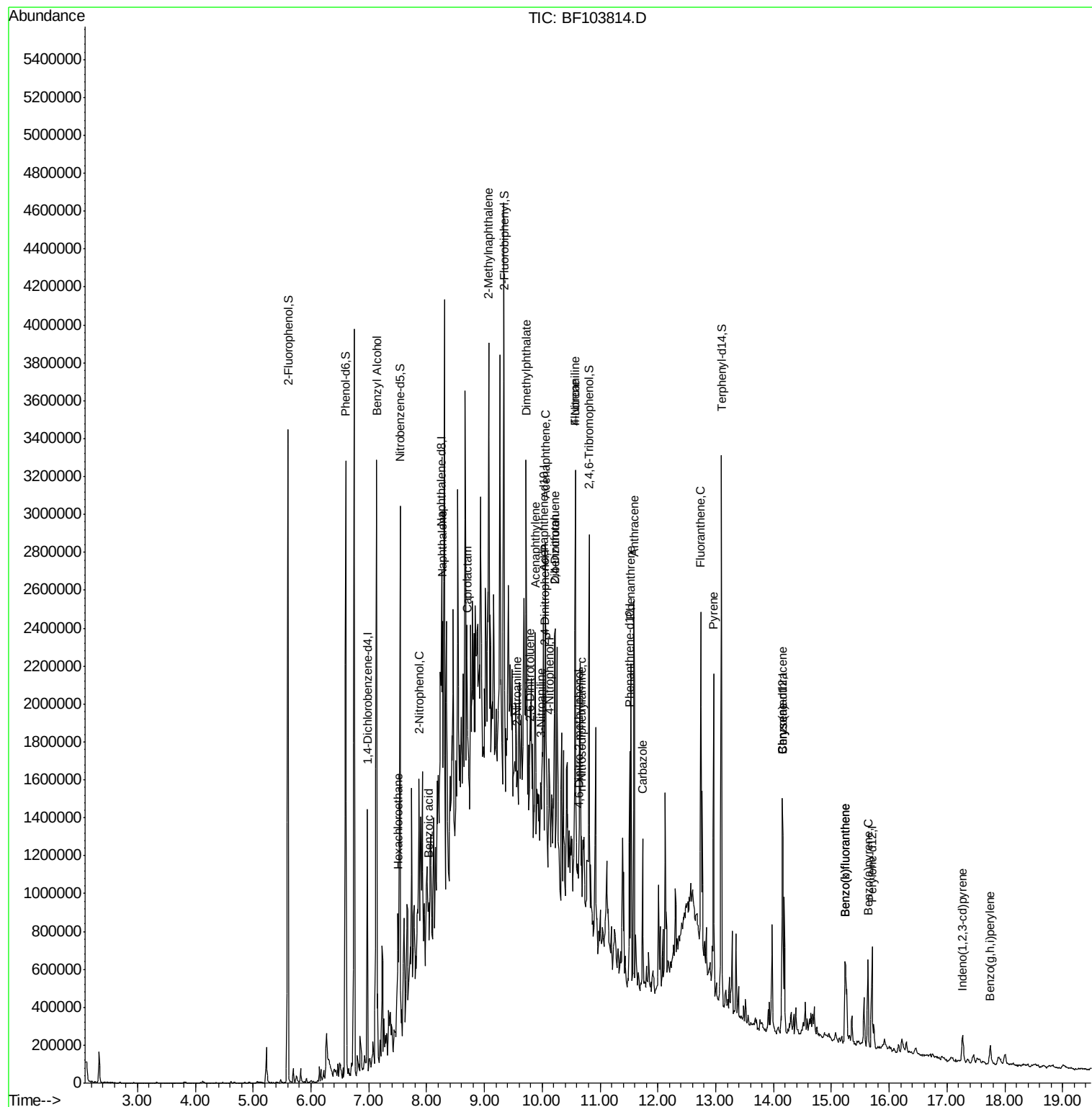
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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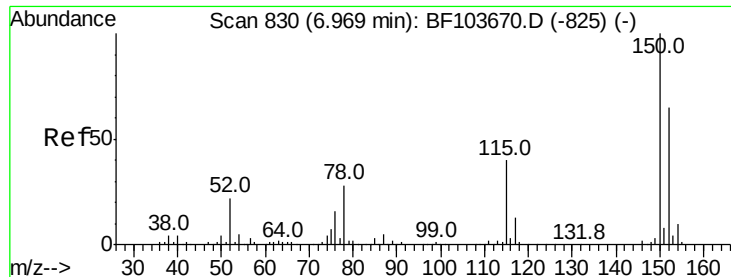
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF103814.D
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Operator : JU/SJ
Sample : J1982-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Mar 21 00:58:43 2018
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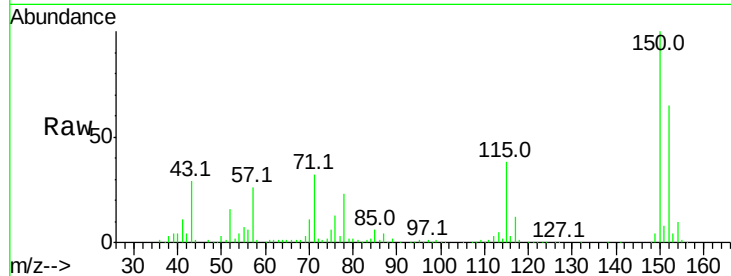


#1

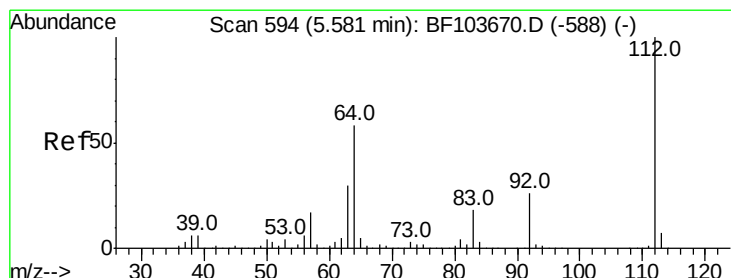
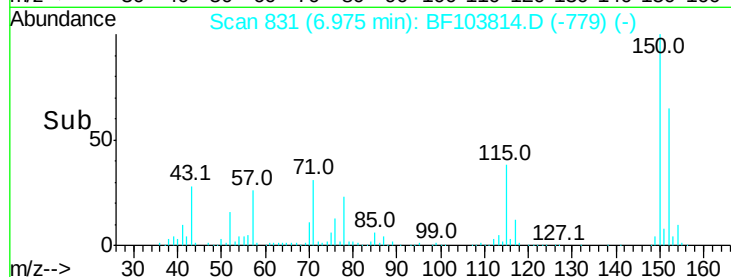
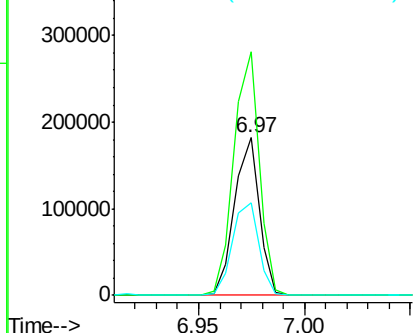
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 831
 Delta R.T. 0.01 min
 Lab File: BF103814.D
 Acq: 20 Mar 2018 20:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 147652
 Ion Ratio Lower Upper
 152 100
 150 154.7 124.6 186.8
 115 58.4 50.1 75.1



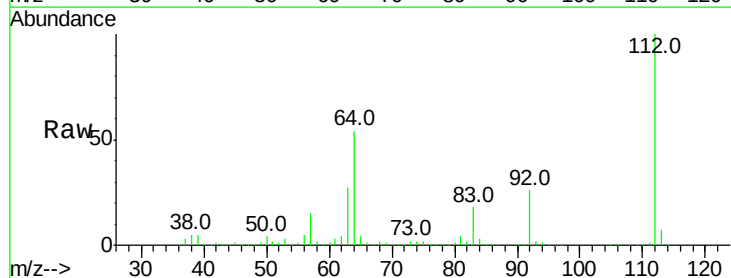
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



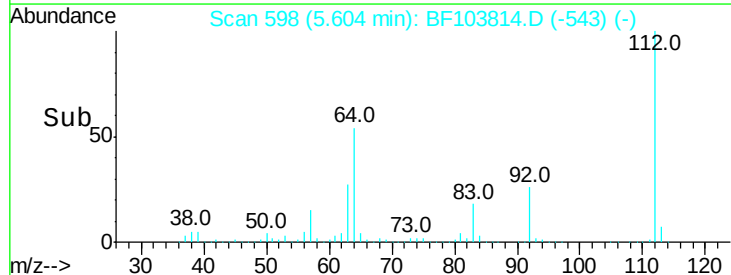
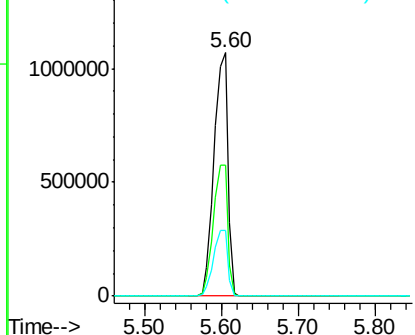
#5

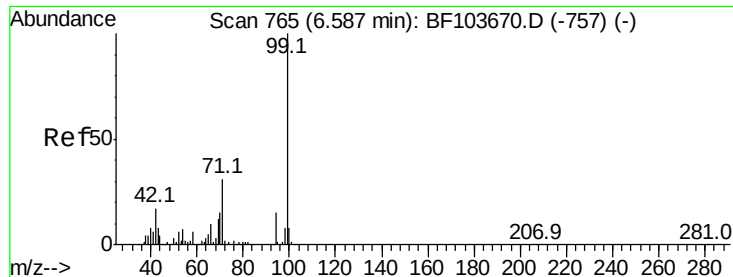
2-Fluorophenol
 Concen: 135.644 ng
 RT: 5.60 min Scan# 598
 Delta R.T. 0.02 min
 Lab File: BF103814.D
 Acq: 20 Mar 2018 20:36

Tgt Ion:112 Resp: 1316781
 Ion Ratio Lower Upper
 112 100
 64 53.9 47.9 71.9
 63 26.9 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: 137.423 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.02 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Instrument :

BNA_F

ClientSampleId :

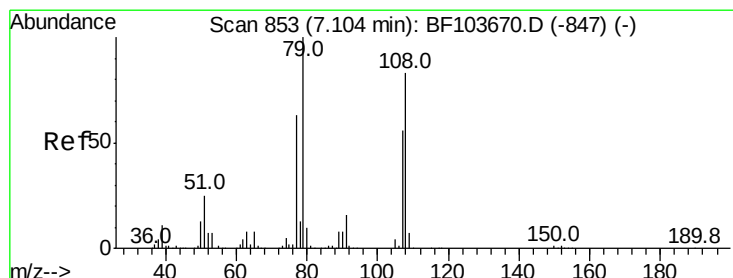
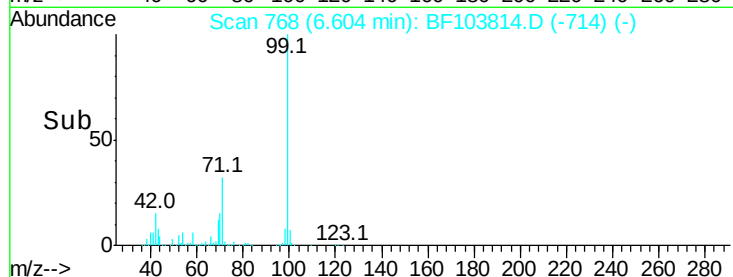
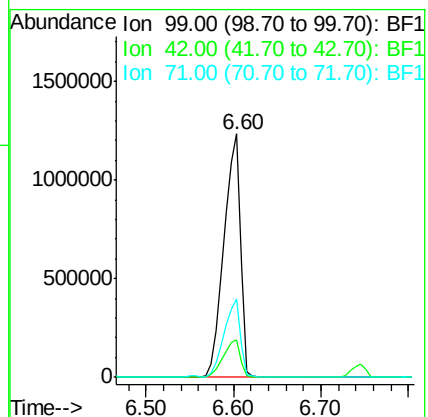
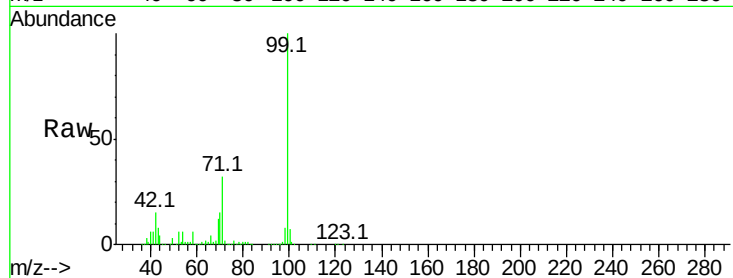
Tot Ion: 99 Resp: 1632108

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

71 32.3 25.4 38.0



#15

Benzyl Alcohol

Concen: 2.026 ng

RT: 7.13 min Scan# 857

Delta R.T. 0.02 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

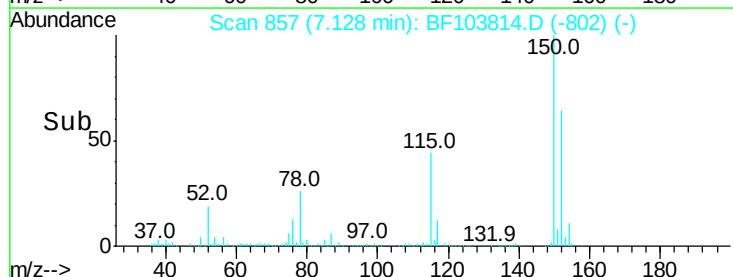
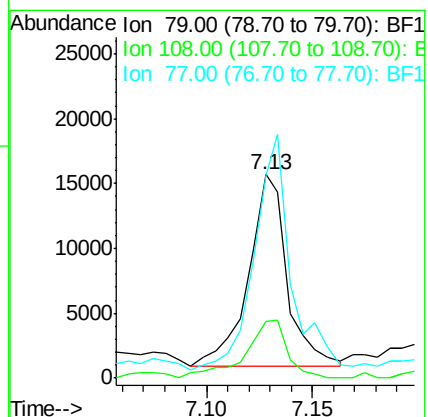
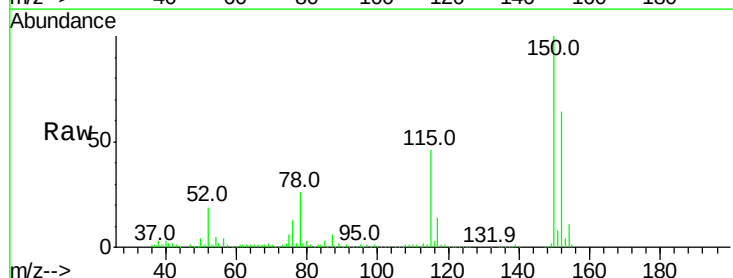
Tgt Ion: 79 Resp: 18647

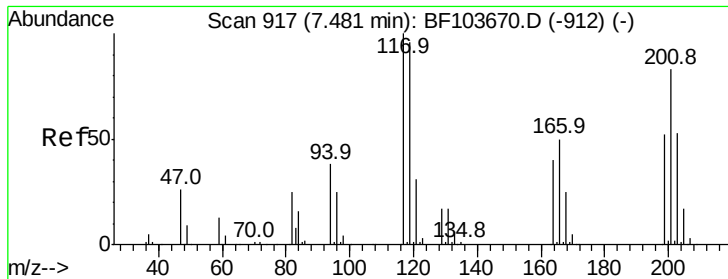
Ion Ratio Lower Upper

79 100

108 28.0 65.1 97.7#

77 99.5 50.6 75.8#

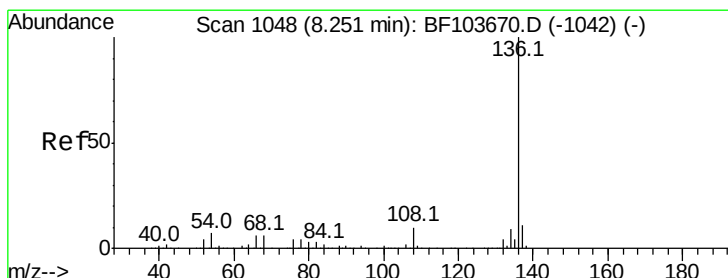
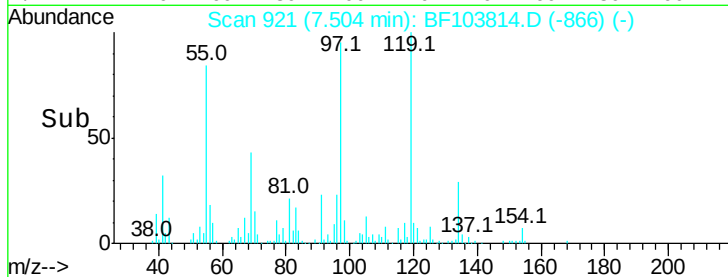
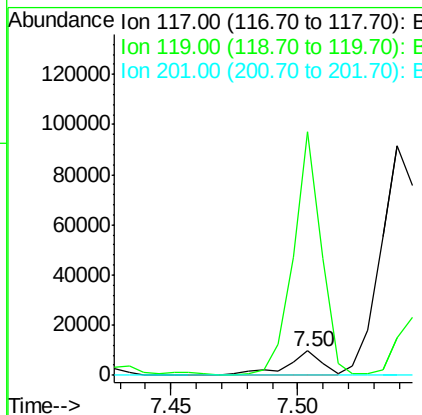
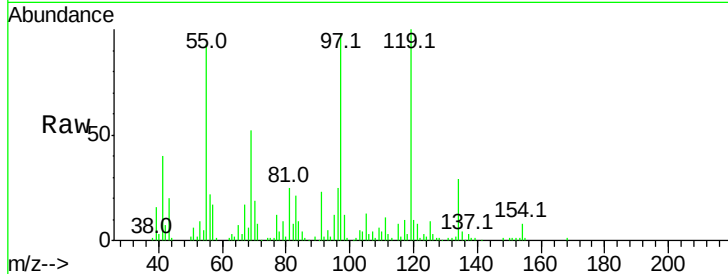




#18
Hexachloroethane
Concen: 2.398 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.02 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

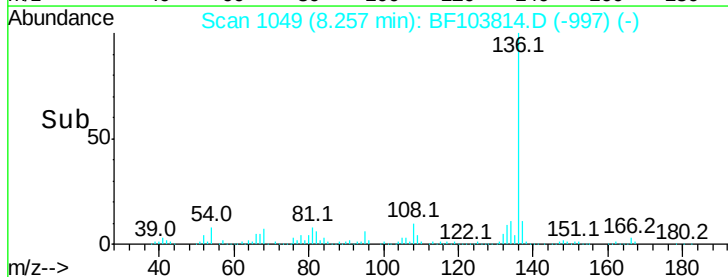
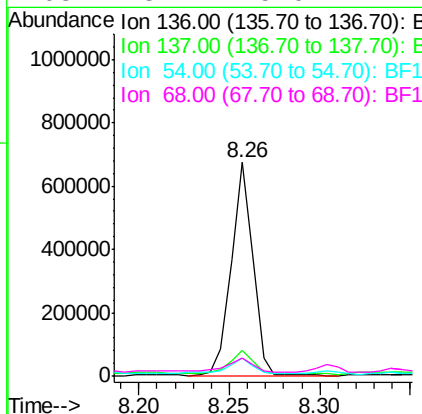
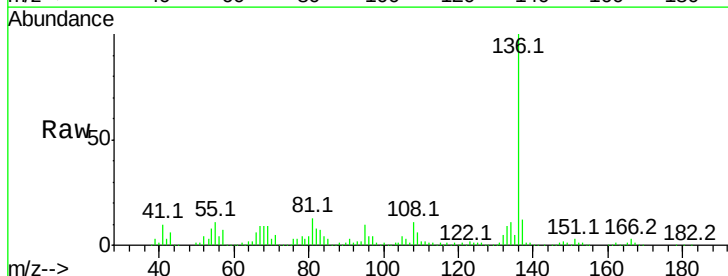
Instrument :
BNA_F
ClientSampleId :

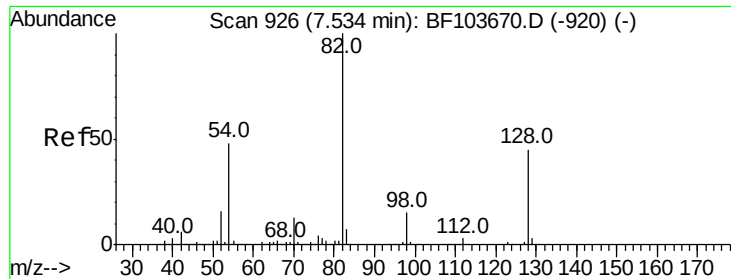
Tot Ion:117 Resp: 9819
Ion Ratio Lower Upper
117 100
119 988.3 75.8 113.8#
201 0.0 75.7 113.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion:136 Resp: 557505
Ion Ratio Lower Upper
136 100
137 12.1 8.9 13.3
54 8.3 6.6 9.8
68 8.7 5.0 7.4#

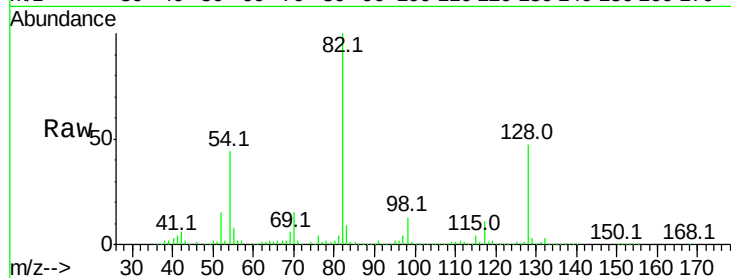




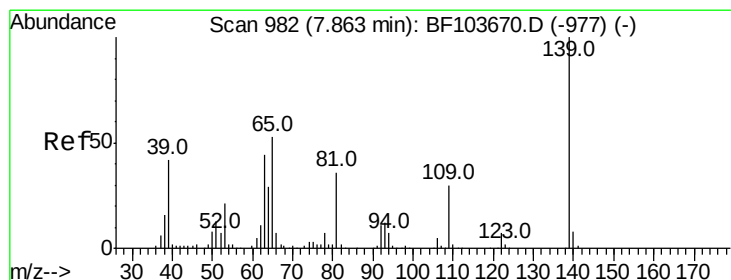
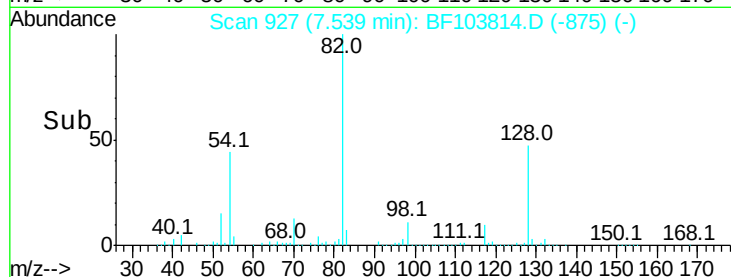
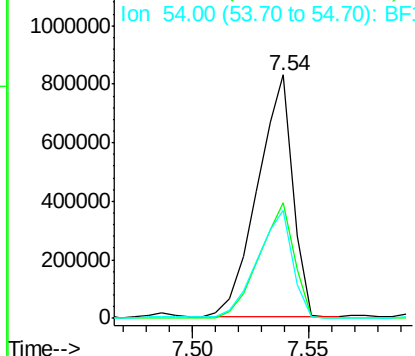
#23
Nitrobenzene-d5
Concen: 109.427 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 874819
Ion Ratio Lower Upper
82 100
128 47.2 36.1 54.1
54 44.5 41.4 62.2

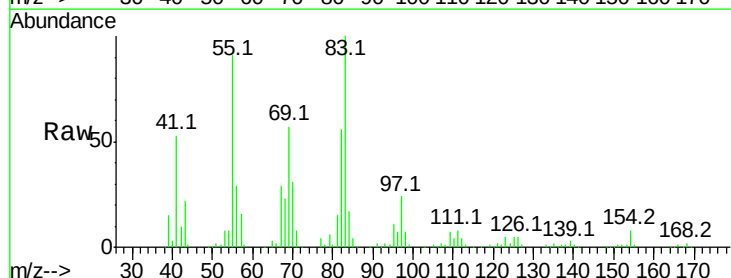


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

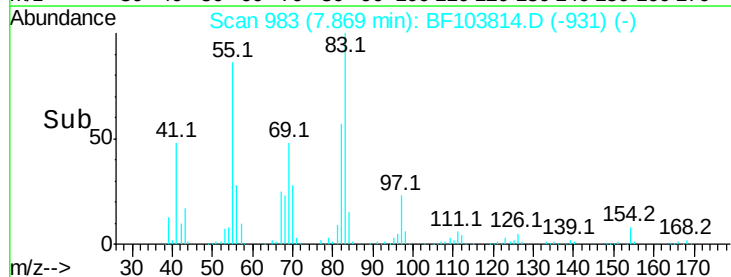
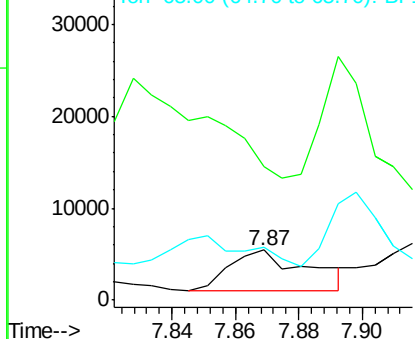


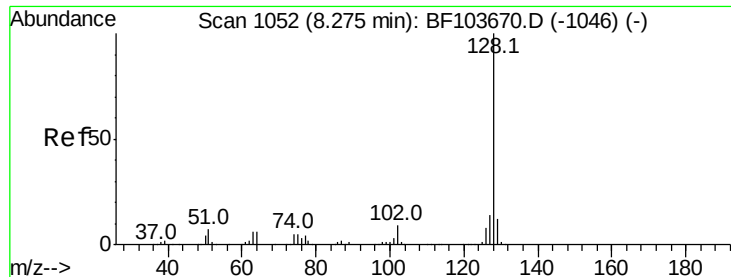
#26
2-Nitrophenol
Concen: 11.104 ng
RT: 7.87 min Scan# 983
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion:139 Resp: 7371
Ion Ratio Lower Upper
139 100
109 267.1 22.7 34.1#
65 107.1 40.5 60.7#



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#31

Naphthalene

Concen: 10.993 ng

RT: 8.28 min Scan# 1053

Delta R.T. 0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Instrument :

BNA_F

ClientSampleId :

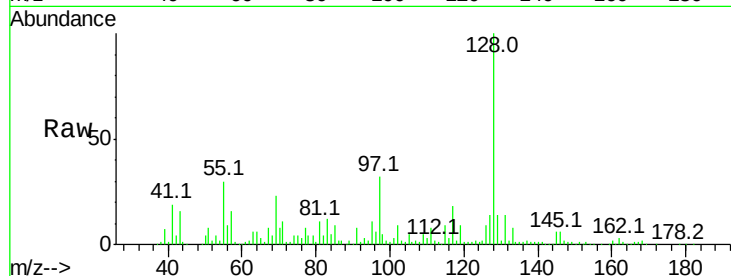
Tot Ion:128 Resp: 309597

Ion Ratio Lower Upper

128 100

129 13.5 8.8 13.2#

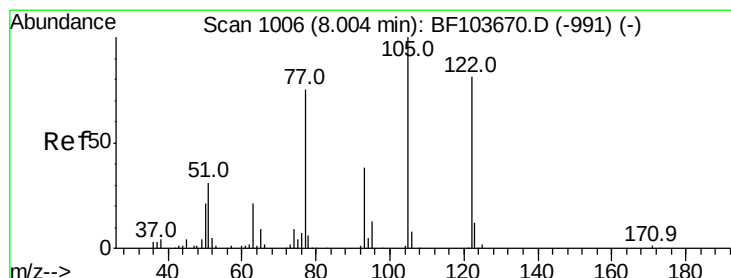
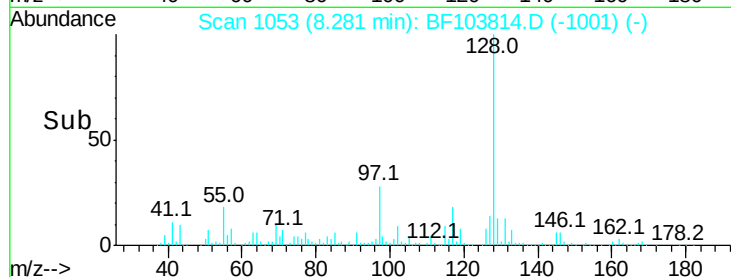
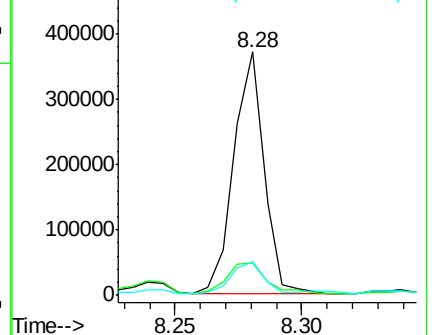
127 14.1 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 11.217 ng

RT: 8.04 min Scan# 1012

Delta R.T. 0.04 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

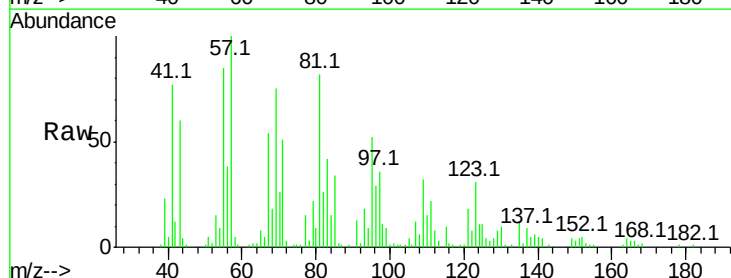
Tgt Ion:122 Resp: 9247

Ion Ratio Lower Upper

122 100

105 54.4 101.1 141.1#

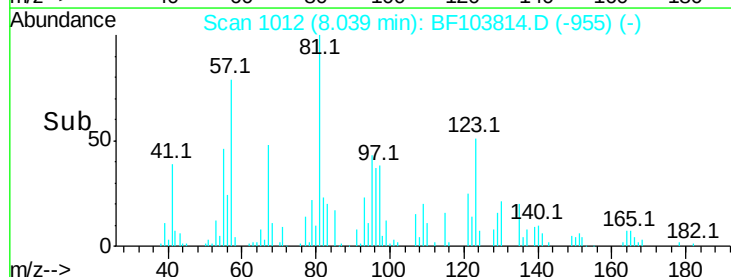
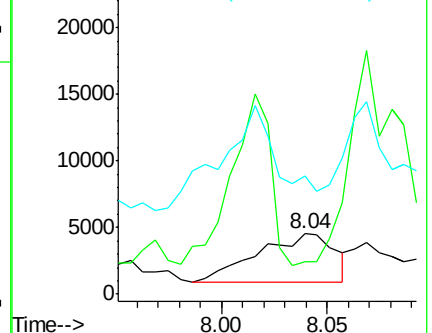
77 196.2 70.7 110.7#

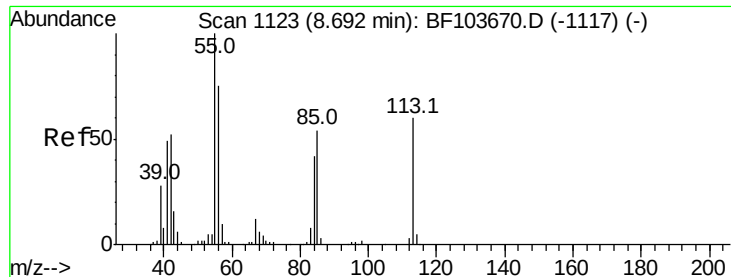


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#35

Caprolactam

Concen: 3.013 ng

RT: 8.70 min Scan# 1125

Delta R.T. 0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Instrument :

BNA_F

ClientSampled :

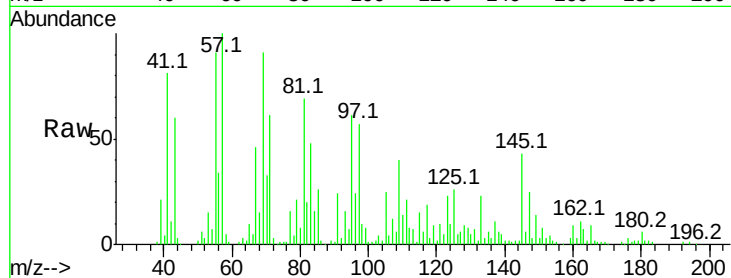
Tot Ion:113 Resp: 7484

Ion Ratio Lower Upper

113 100

55 1372.0 163.3 203.3#

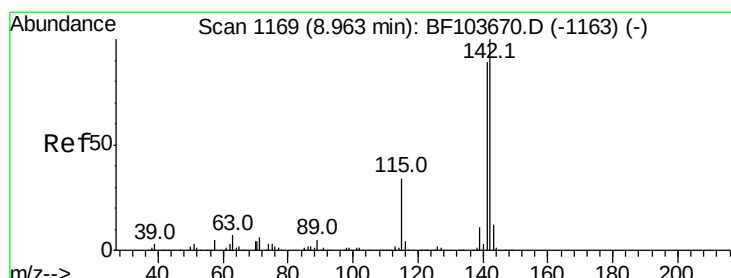
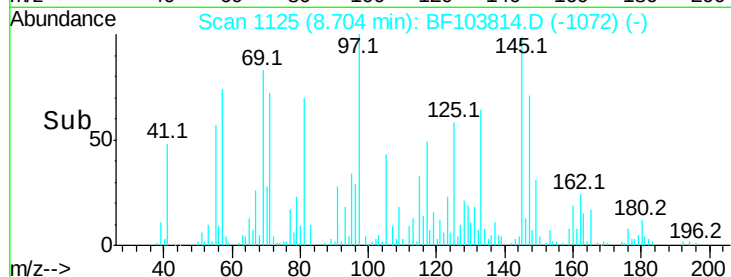
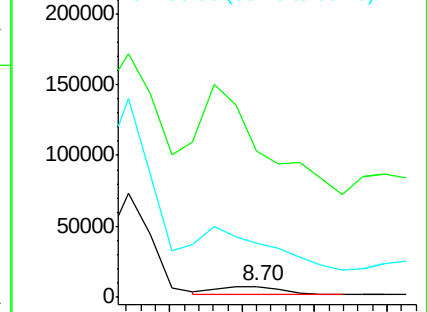
56 506.9 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#37

2-Methylnaphthalene

Concen: 34.891 ng

RT: 9.07 min Scan# 1188

Delta R.T. 0.11 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

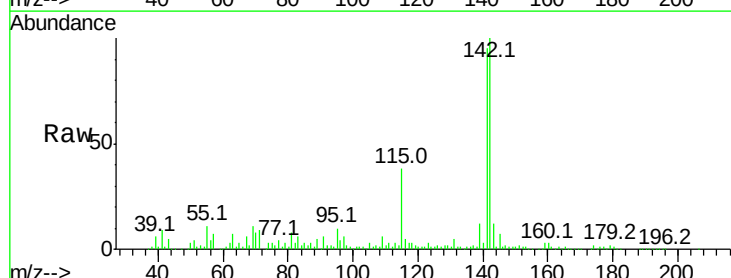
Tgt Ion:142 Resp: 623134

Ion Ratio Lower Upper

142 100

141 95.2 70.8 106.2

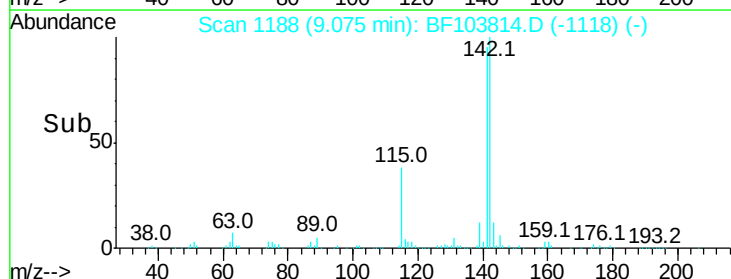
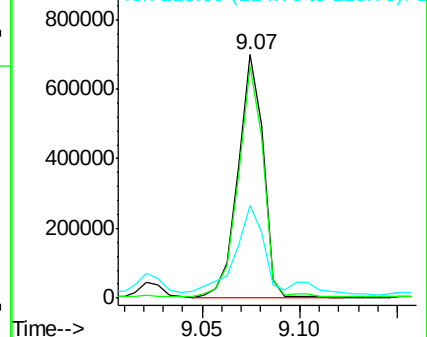
115 38.3 26.1 39.1

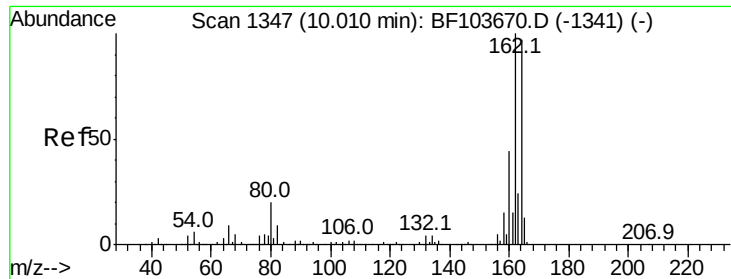


Abundance Ion 142.00 (141.70 to 142.70): E

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# 1349

Delta R.T. 0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Instrument :

BNA_F

ClientSampleId :

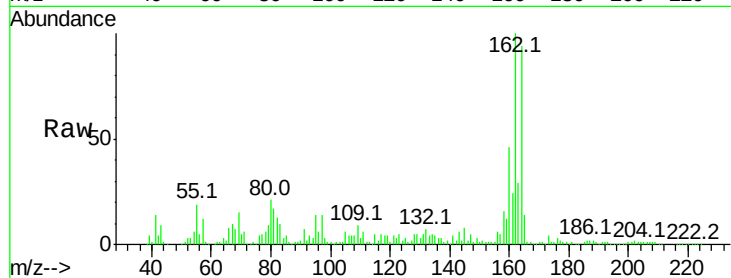
Tot Ion:164 Resp: 235454

Ion Ratio Lower Upper

164 100

162 106.0 86.1 129.1

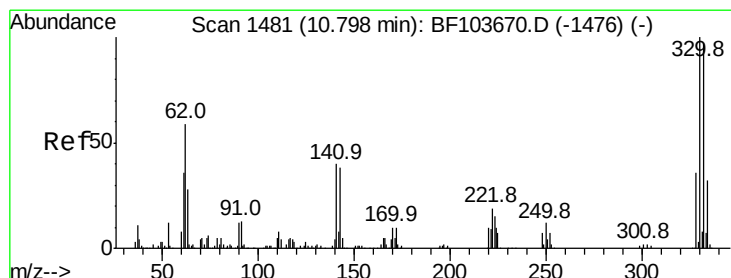
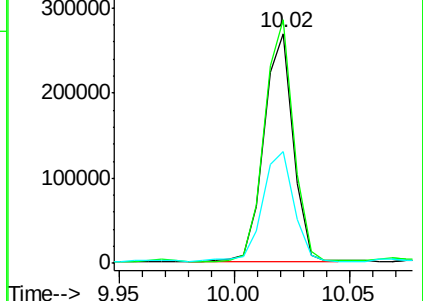
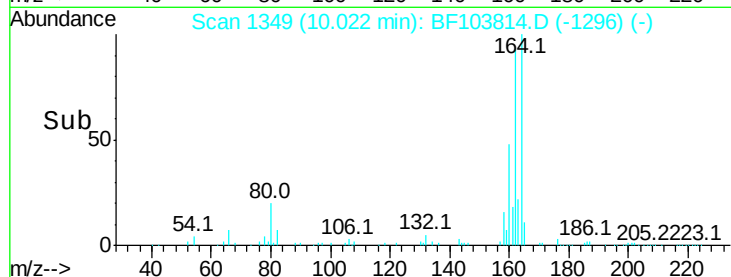
160 48.6 38.3 57.5



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: 155.828 ng

RT: 10.82 min Scan# 1484

Delta R.T. 0.02 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

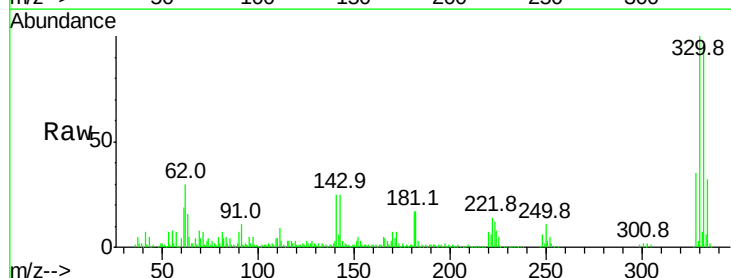
Tgt Ion:330 Resp: 315466

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

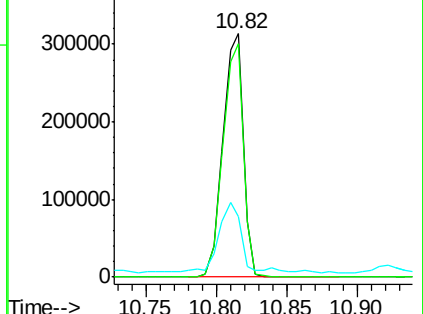
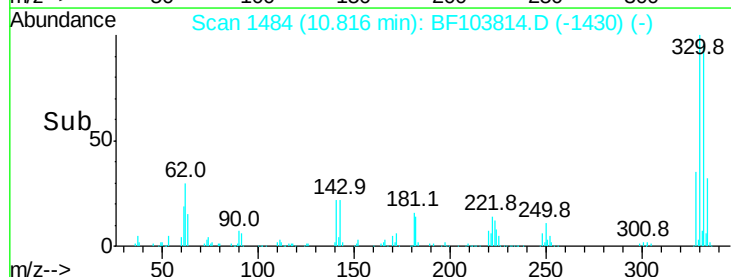
141 30.7 29.9 44.9

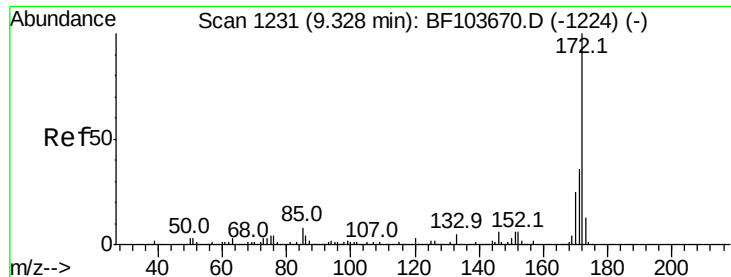


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

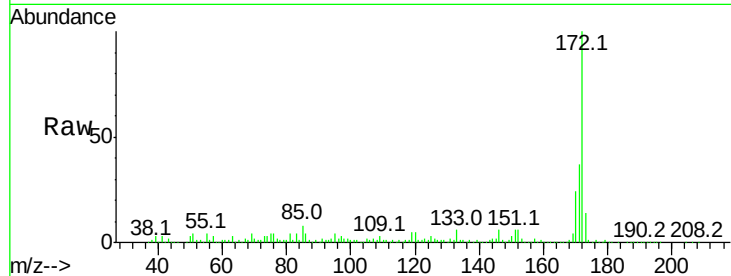




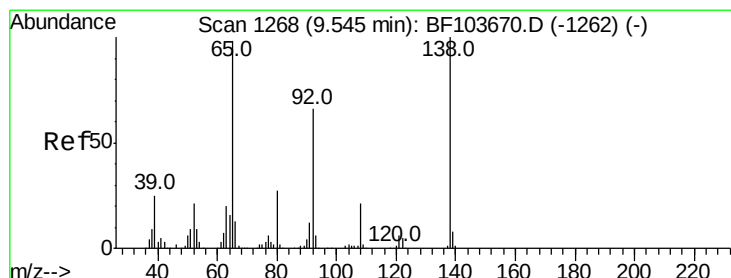
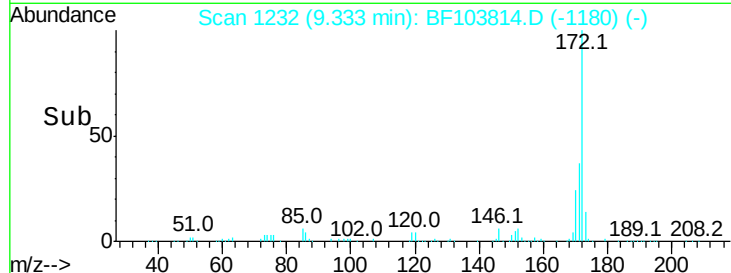
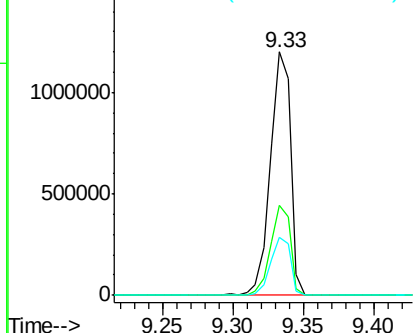
#44
2-Fluorobiphenyl
Concen: 82.477 ng
RT: 9.33 min Scan# 1232
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1217407
Ion Ratio Lower Upper
172 100
171 37.0 29.7 44.5
170 23.8 19.6 29.4

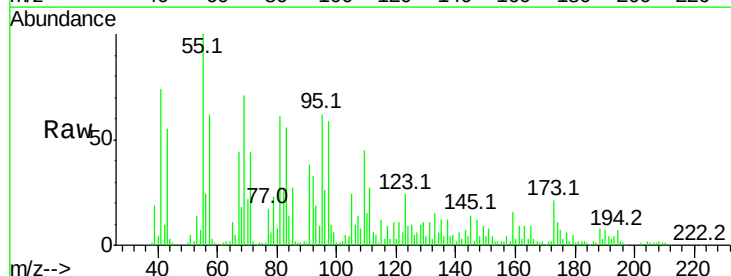


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

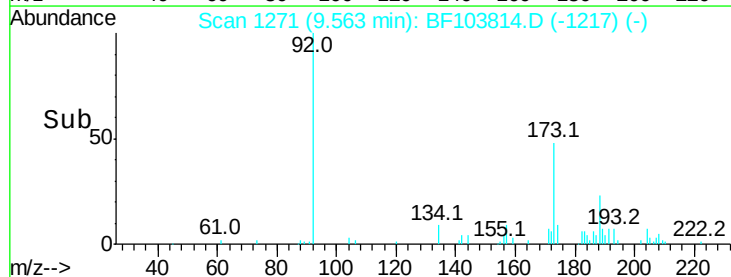
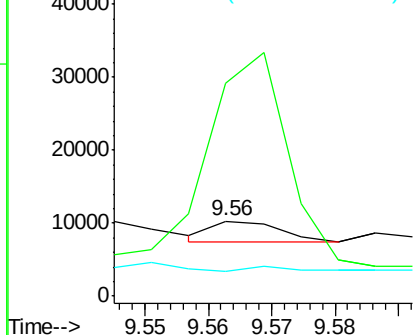


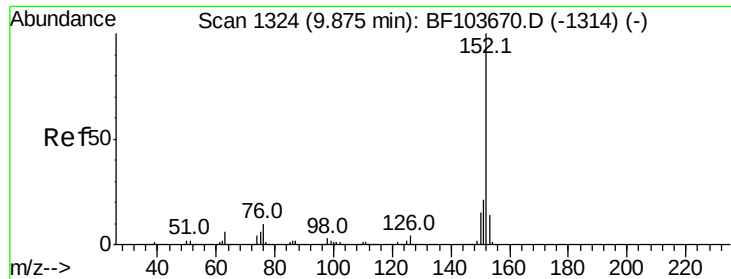
#47
2-Nitroaniline
Concen: 7.239 ng
RT: 9.56 min Scan# 1271
Delta R.T. 0.02 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion: 65 Resp: 2018
Ion Ratio Lower Upper
65 100
92 283.9 55.8 83.6#
138 32.6 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 4.559 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Instrument :

BNA_F

ClientSampleId :

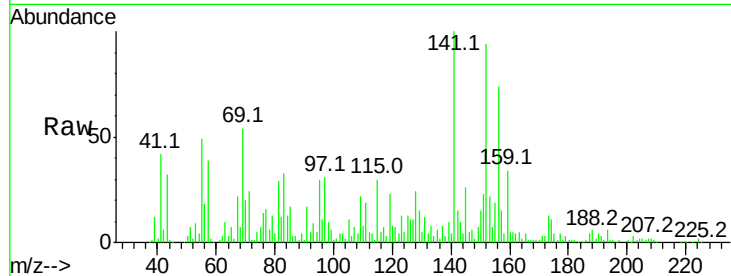
Tot Ion:152 Resp: 110242

Ion Ratio Lower Upper

152 100

151 24.8 16.3 24.5#

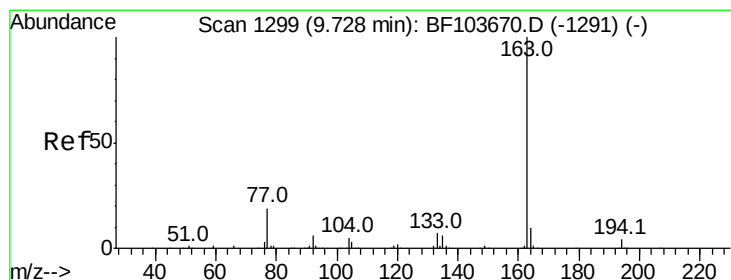
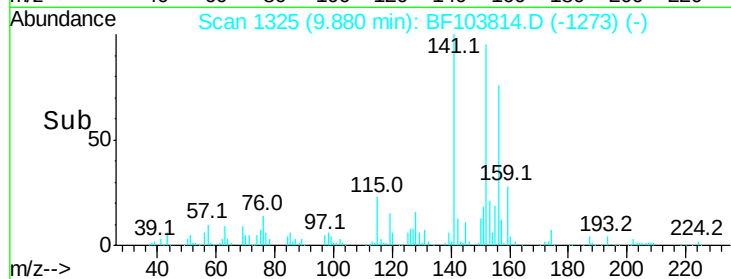
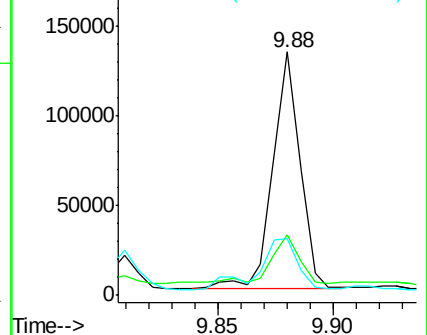
153 23.4 10.7 16.1#



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: 7.894 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

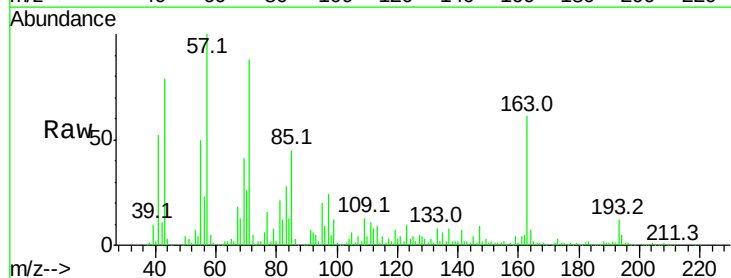
Tgt Ion:163 Resp: 141801

Ion Ratio Lower Upper

163 100

194 7.5 2.7 4.1#

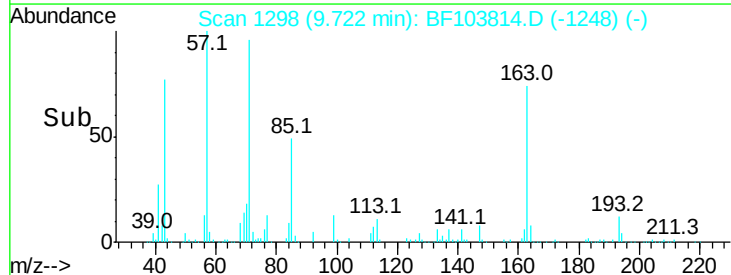
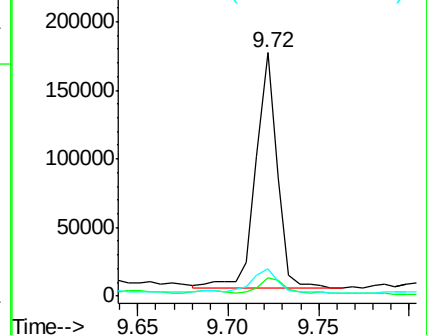
164 11.1 8.2 12.2

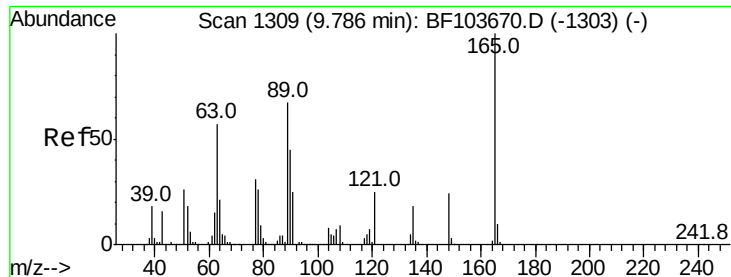


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 4.949 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Instrument :

BNA_F

ClientSampleId :

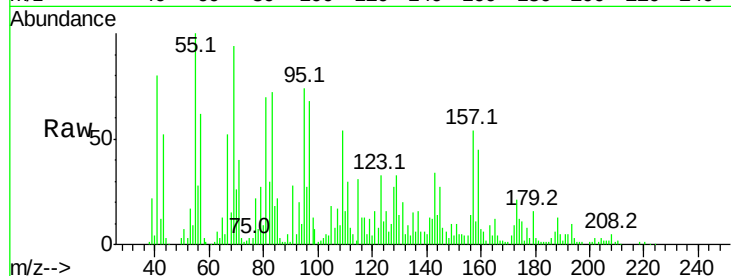
Tot Ion:165 Resp: 3657

Ion Ratio Lower Upper

165 100

63 49.8 44.7 67.1

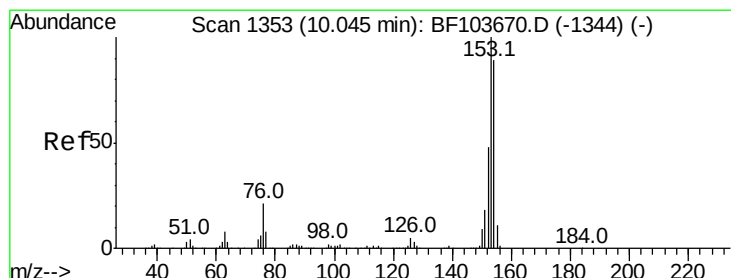
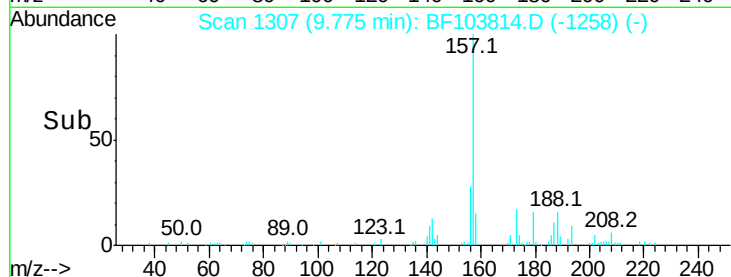
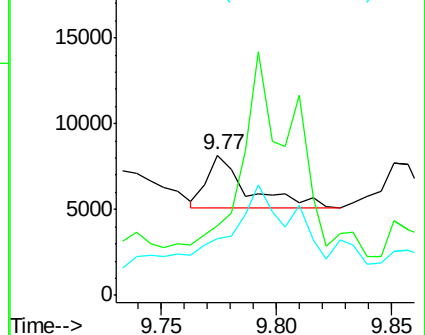
89 40.2 44.0 66.0#



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



#51

Acenaphthene

Concen: 24.194 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

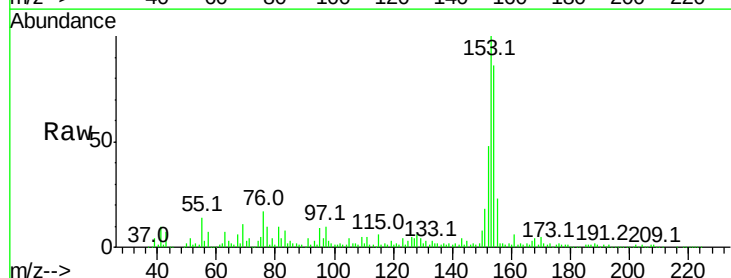
Tgt Ion:154 Resp: 347390

Ion Ratio Lower Upper

154 100

153 116.1 91.2 136.8

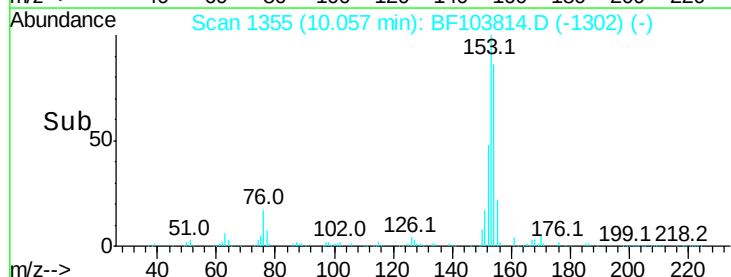
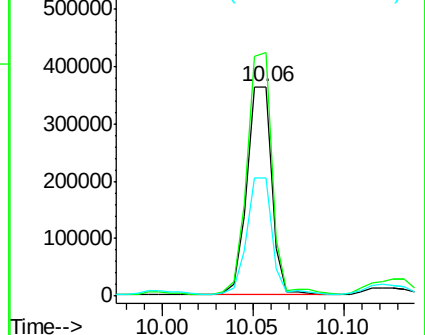
152 56.2 43.8 65.8

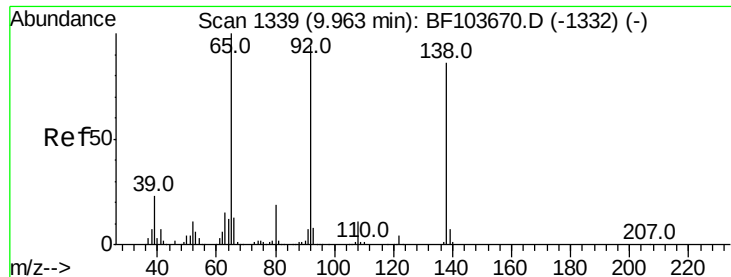


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

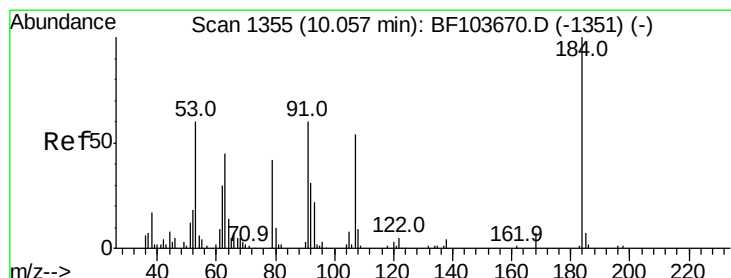
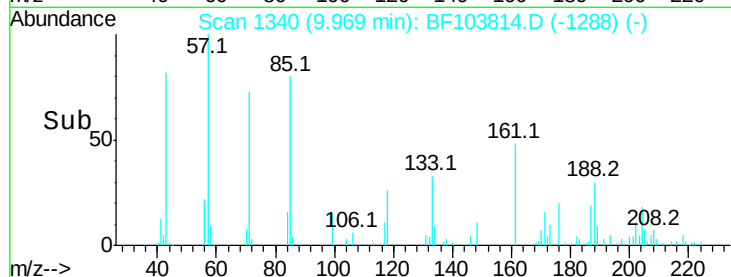
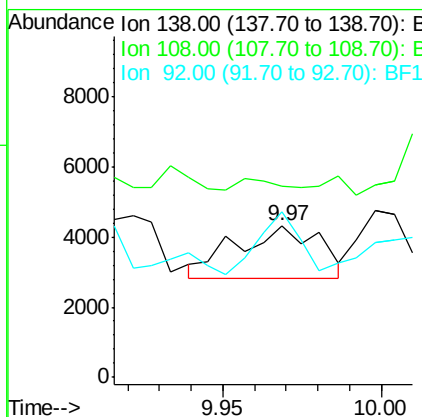
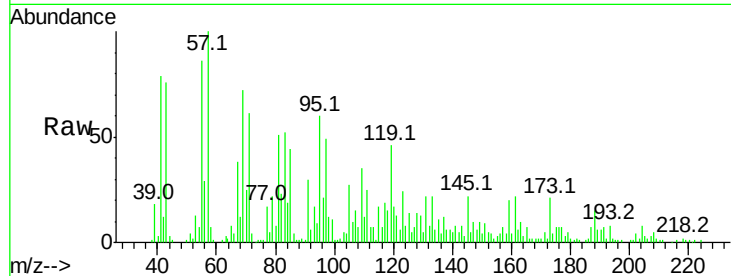




#52
3-Nitroaniline
Concen: 4.424 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

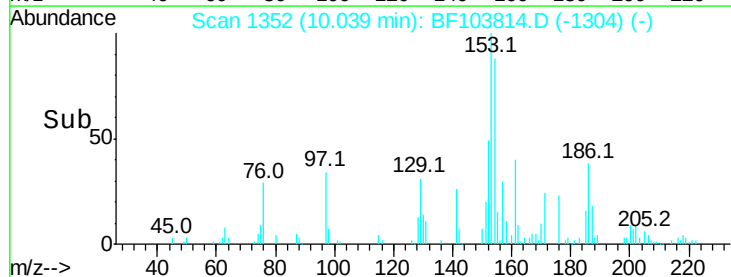
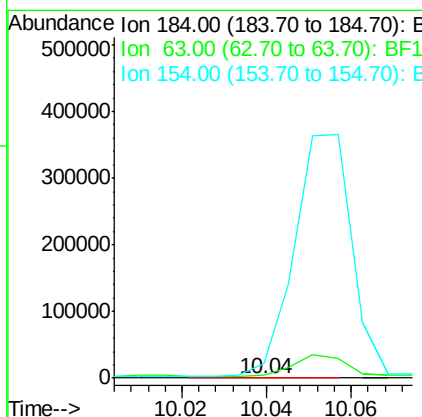
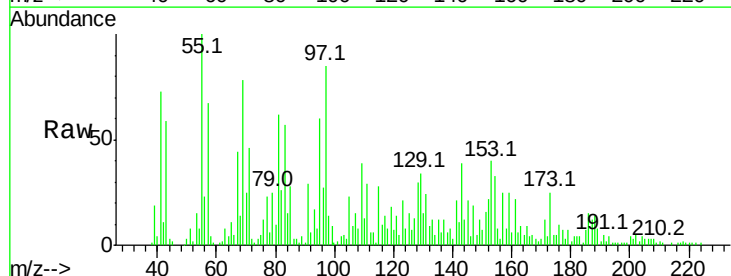
Instrument :
BNA_F
ClientSampled :

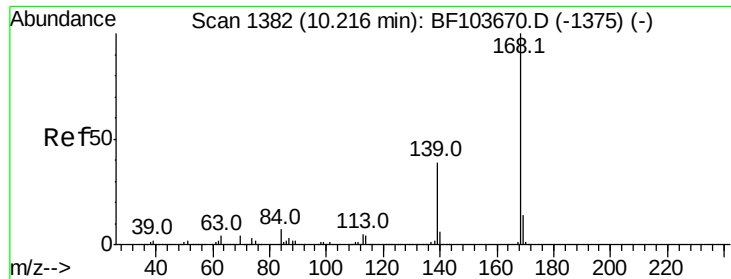
Tot Ion:138 Resp: 2756
Ion Ratio Lower Upper
138 100
108 126.4 9.4 14.0#
92 109.3 89.4 134.2



#53
2,4-Dinitrophenol
Concen: 7.176 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.02 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion:184 Resp: 398
Ion Ratio Lower Upper
184 100
63 972.8 54.2 81.2#
154 4319.4 184.0 276.0#





#54

Dibenzofuran

Concen: 15.201 ng

RT: 10.22 min Scan# 1383

Delta R.T. 0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Instrument :

BNA_F

ClientSampleId :

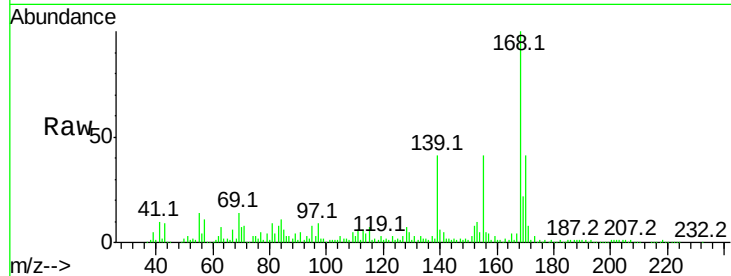
Tot Ion:168 Resp: 311724

Ion Ratio Lower Upper

168 100

139 41.0 30.1 45.1

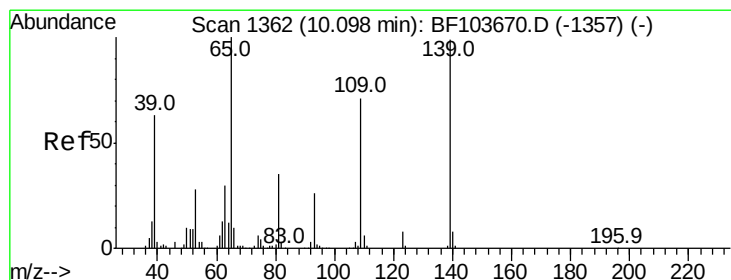
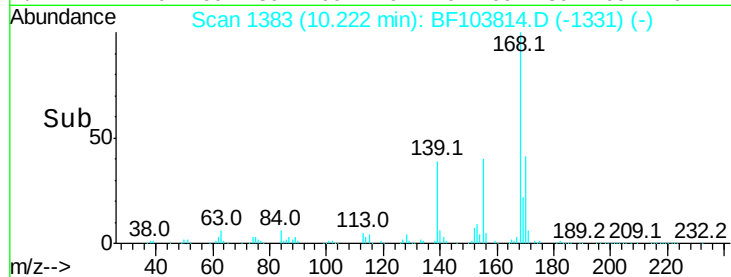
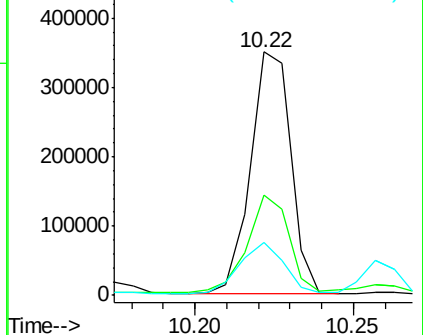
169 21.8 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 9.025 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.02 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

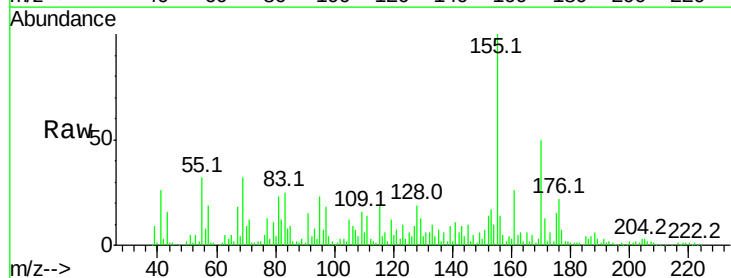
Tgt Ion:139 Resp: 14221

Ion Ratio Lower Upper

139 100

109 170.1 48.4 88.4#

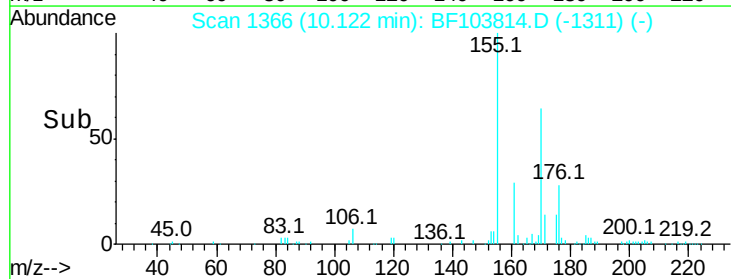
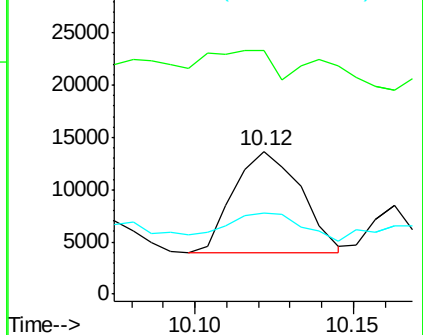
65 56.5 72.6 112.6#

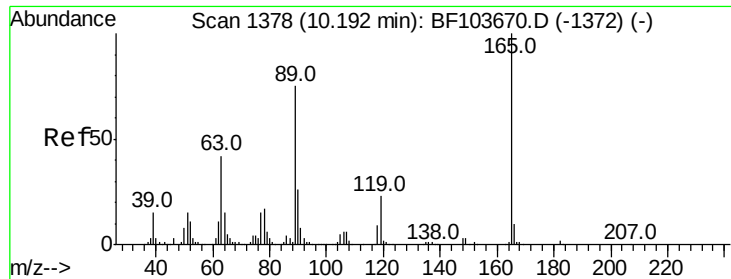


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#56

2,4-Dinitrotoluene

Concen: 8.137 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.02 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 9728

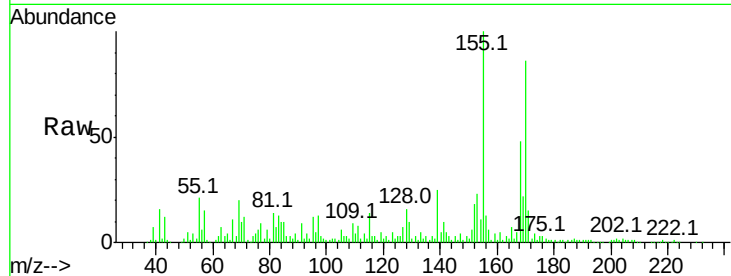
Ion Ratio Lower Upper

165 100

63 107.1 36.4 54.6#

89 58.1 57.8 86.6

182 22.4 1.6 2.4#

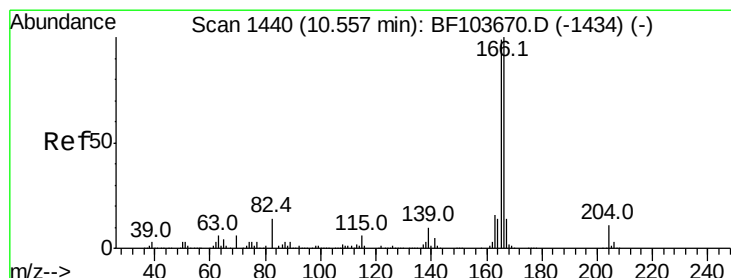
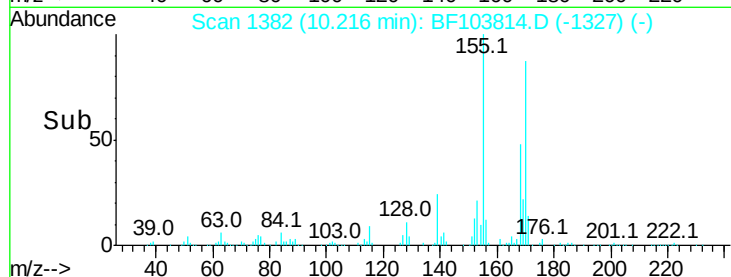
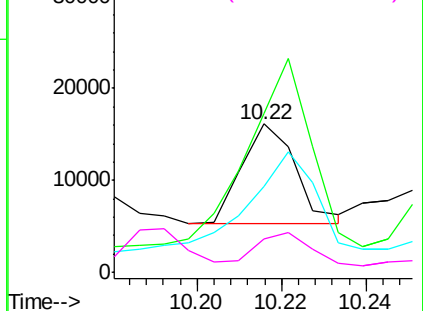


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: 41.233 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

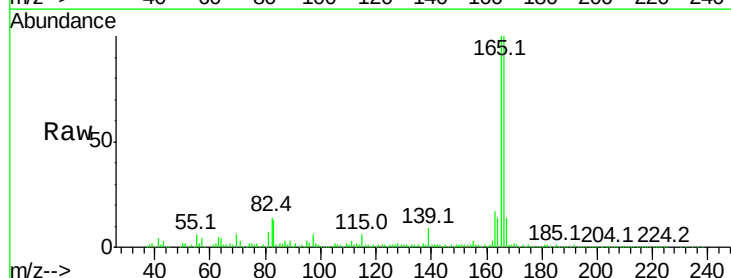
Tgt Ion:166 Resp: 656130

Ion Ratio Lower Upper

166 100

165 99.5 79.8 119.8

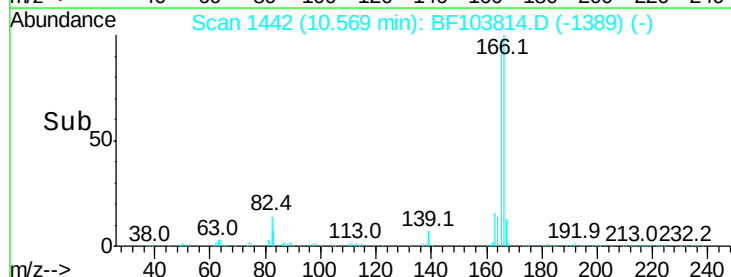
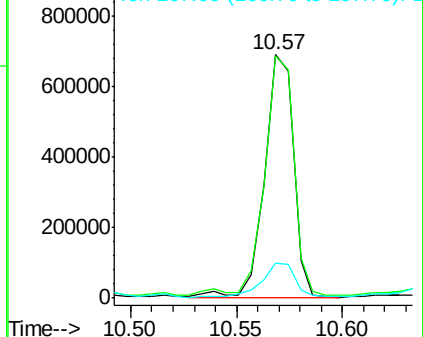
167 14.4 10.6 16.0

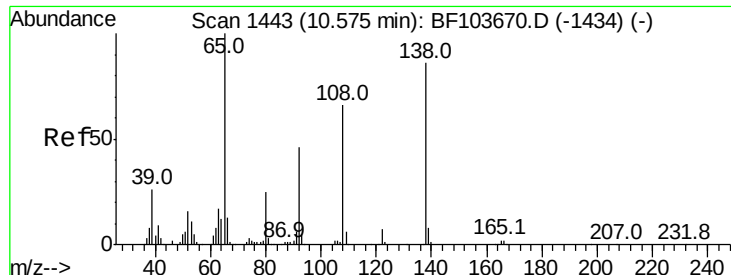


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

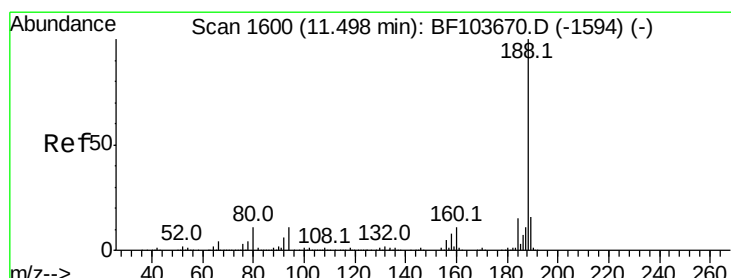
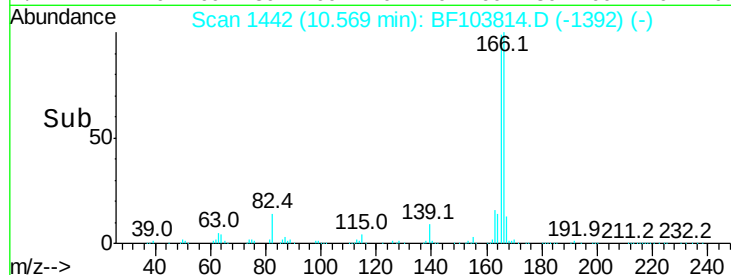
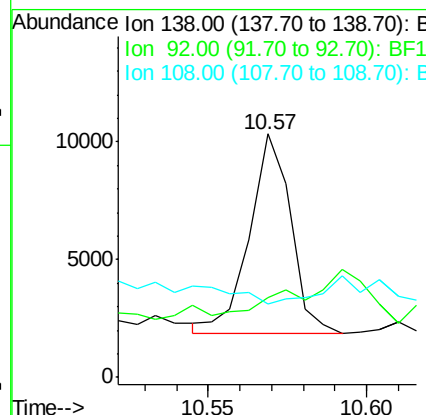
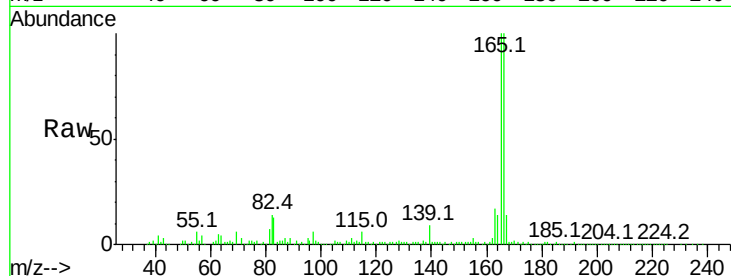




#61
4-Nitroaniline
Concen: 5.520 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

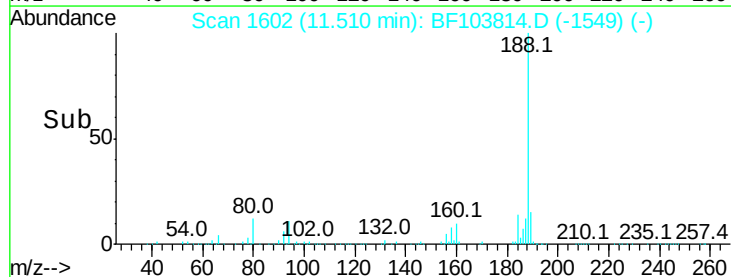
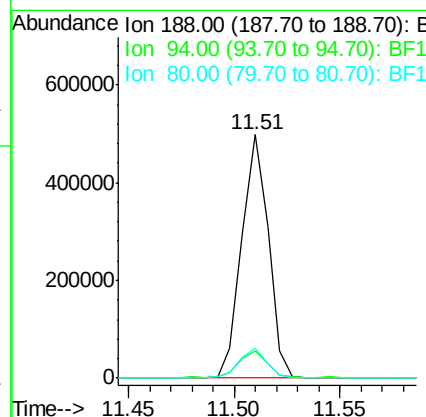
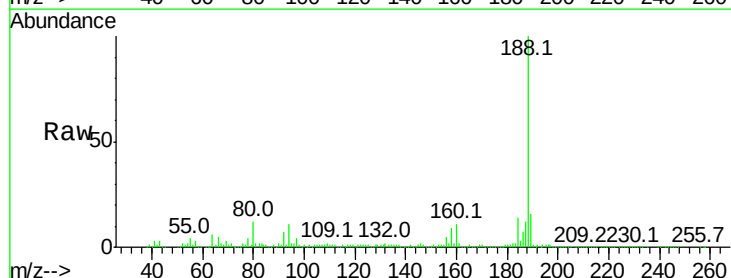
Instrument :
BNA_F
ClientSampleId :

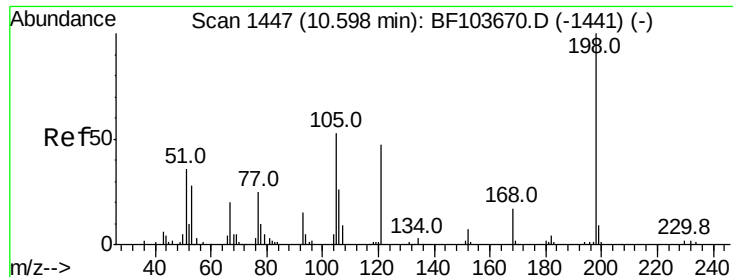
Tot Ion:138 Resp: 7697
Ion Ratio Lower Upper
138 100
92 32.7 30.2 70.2
108 30.3 52.5 92.5#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion:188 Resp: 432882
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 12.2 9.2 13.8

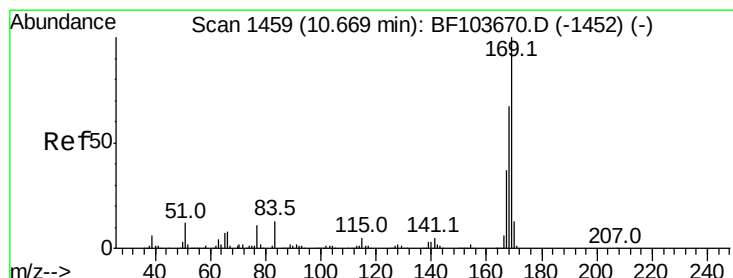
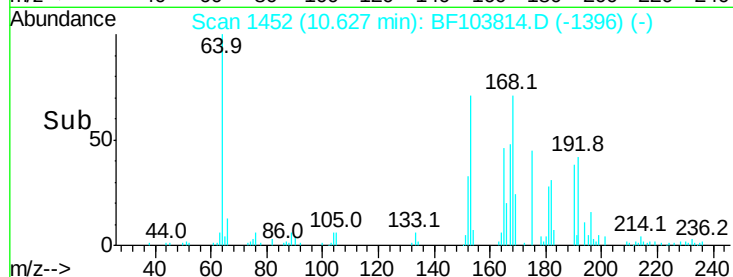
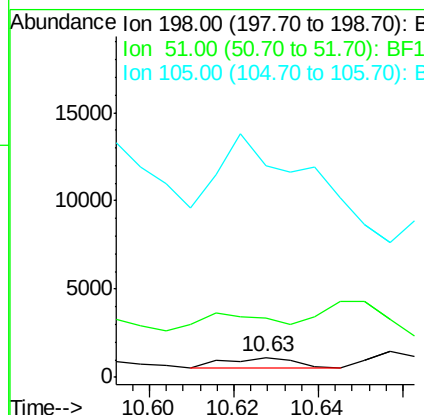
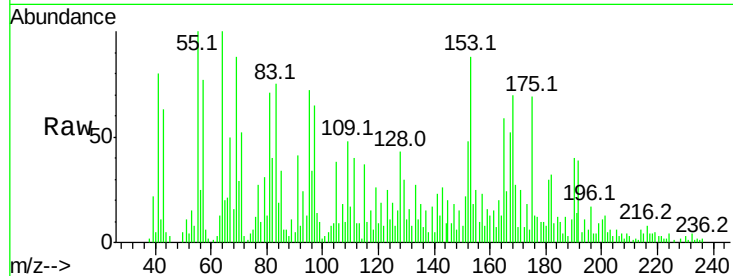




#64
4,6-Dinitro-2-methylphenol
Concen: 8.554 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.03 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

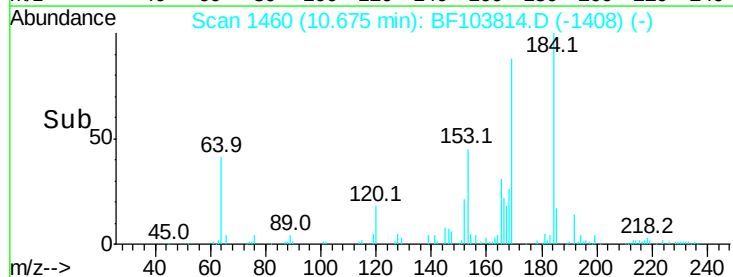
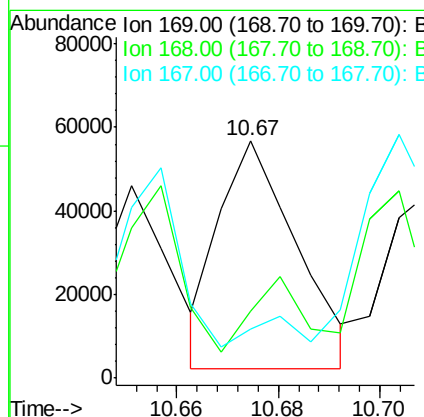
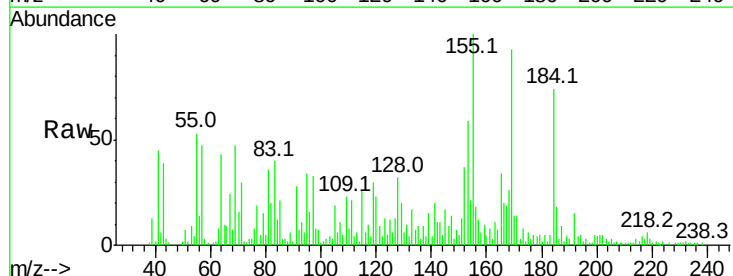
Instrument :
BNA_F
ClientSampleId :

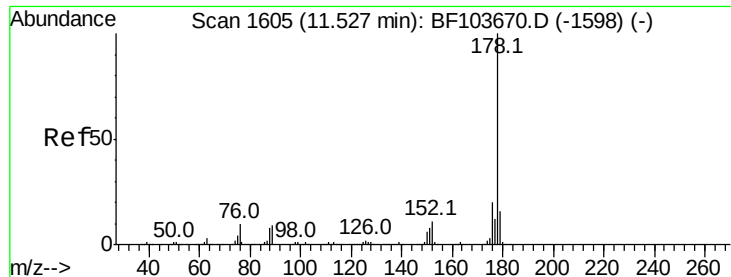
Tot Ion:198 Resp: 632
Ion Ratio Lower Upper
198 100
51 305.1 37.7 77.7#
105 1075.9 36.3 76.3#



#65
n-Nitrosodiphenylamine
Concen: 3.935 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion:169 Resp: 57987
Ion Ratio Lower Upper
169 100
168 28.2 54.4 81.6#
167 20.7 29.8 44.6#

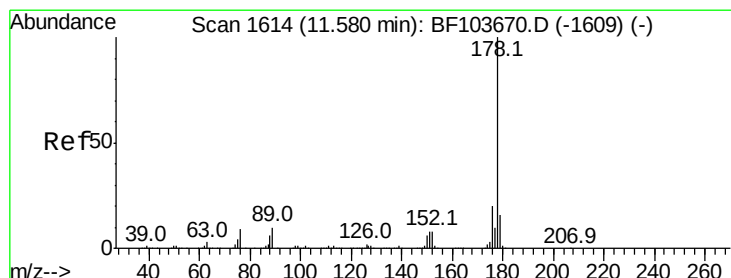
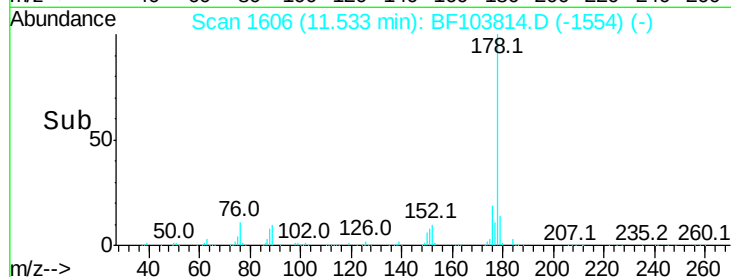
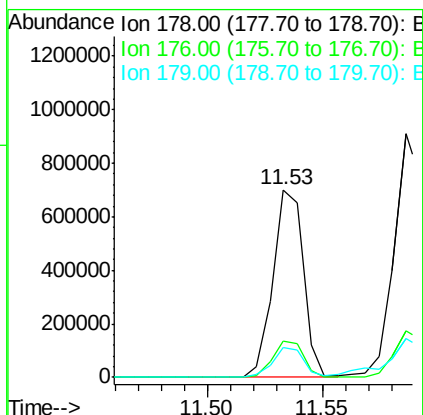
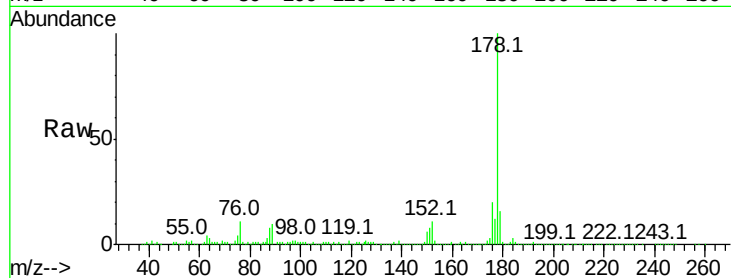




#70
Phenanthrene
Concen: 26.850 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

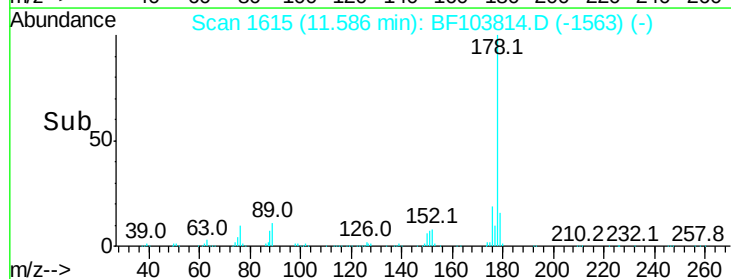
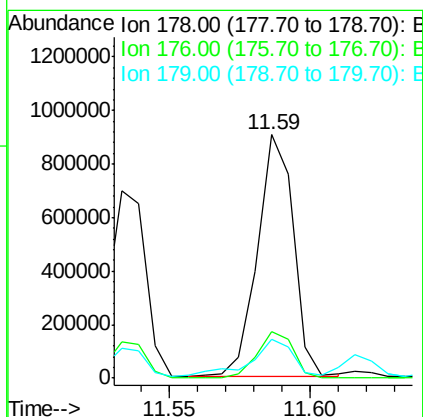
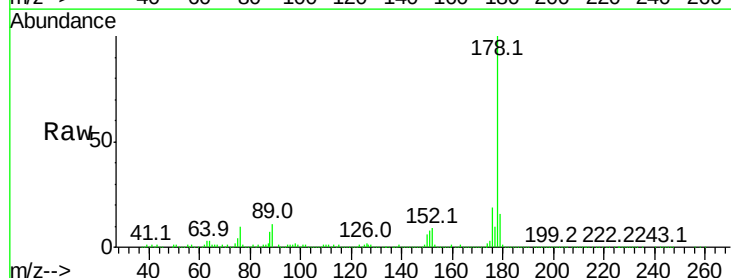
Instrument :
BNA_F
ClientSampleId :

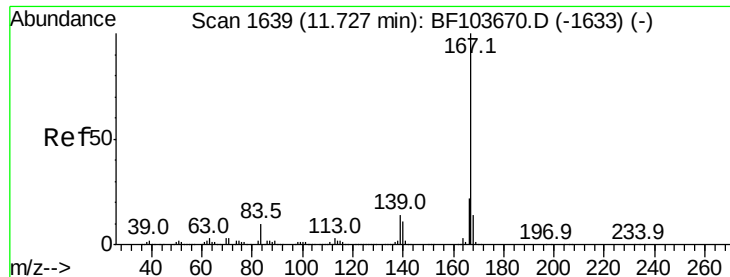
Tot Ion:178 Resp: 635801
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 16.2 13.0 19.6



#71
Anthracene
Concen: 33.271 ng
RT: 11.59 min Scan# 1615
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion:178 Resp: 800179
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.8 12.6 19.0





#72

Carbazole

Concen: 11.176 ng

RT: 11.74 min Scan# 1641

Delta R.T. 0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Instrument :

BNA_F

ClientSampleId :

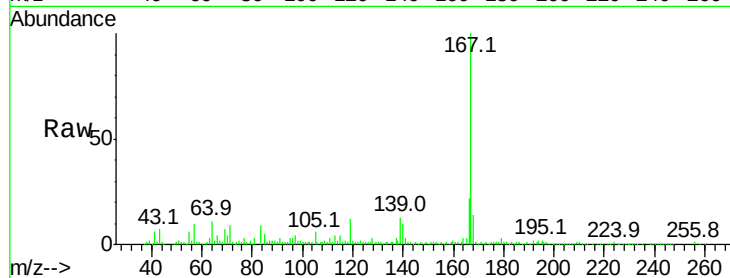
Tot Ion:167 Resp: 261246

Ion Ratio Lower Upper

167 100

166 21.9 17.6 26.4

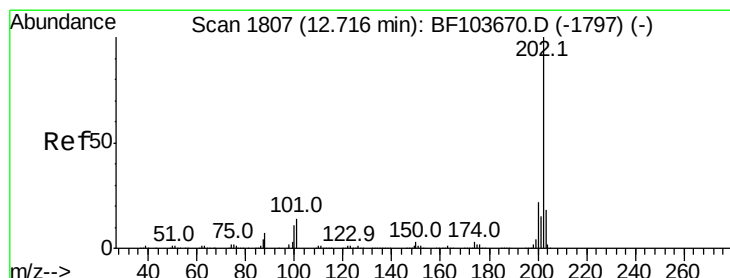
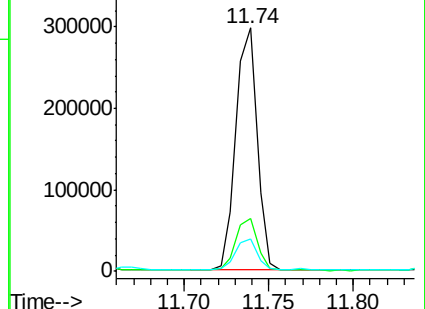
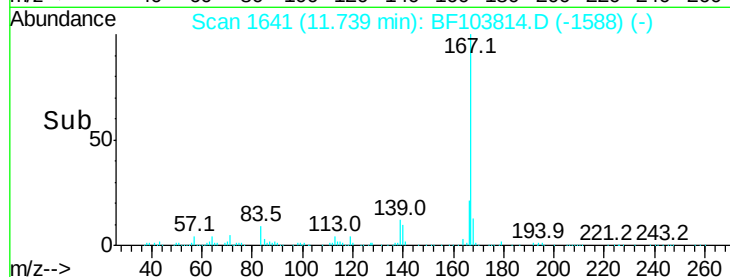
139 13.2 10.9 16.3



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: 34.484 ng

RT: 12.74 min Scan# 1812

Delta R.T. 0.03 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

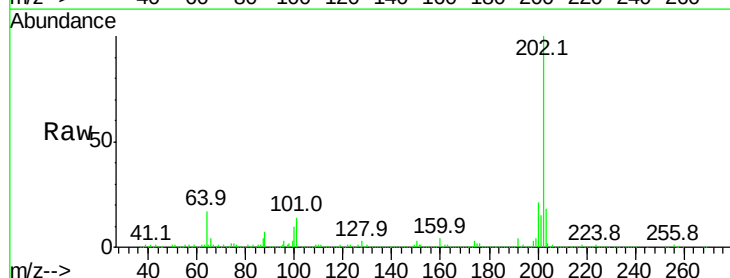
Tgt Ion:202 Resp: 841246

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.1

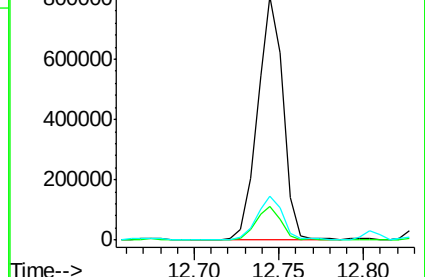
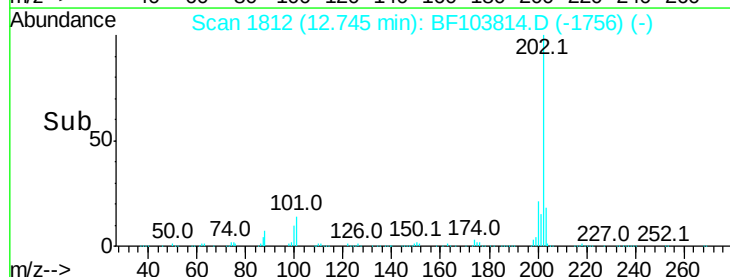
203 18.1 0.0 38.1

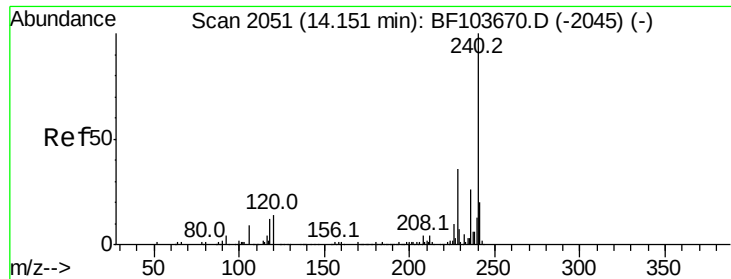


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Instrument :

BNA_F

ClientSampleId :

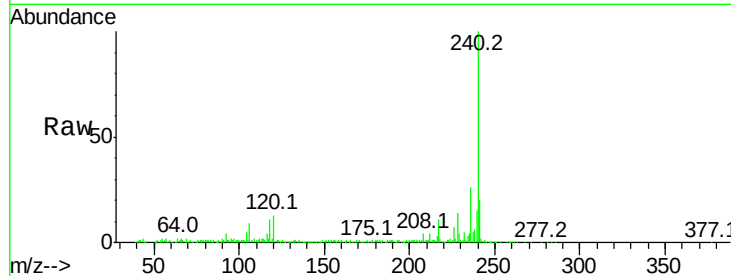
Tot Ion:240 Resp: 275885

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

236 25.7 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

14.16

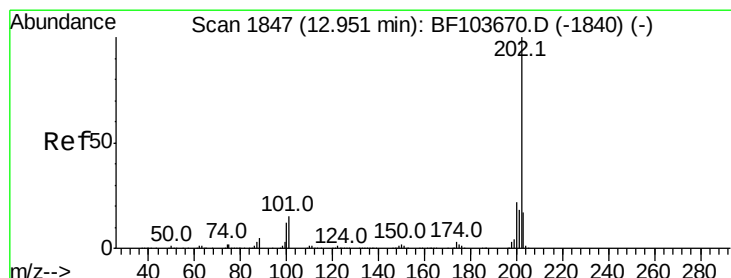
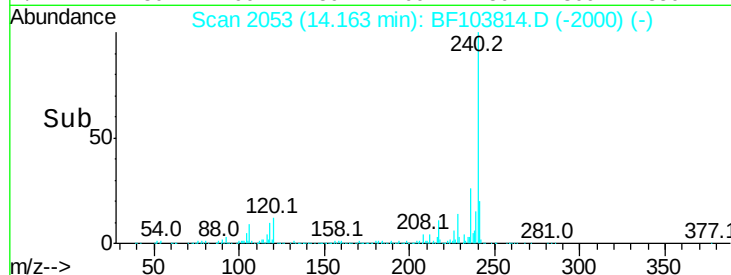
300000

200000

100000

0

Time-->



#77

Pyrene

Concen: 34.241 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

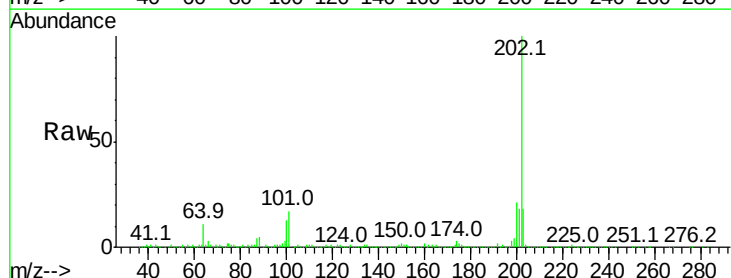
Tgt Ion:202 Resp: 693747

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

203 17.9 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

12.96

800000

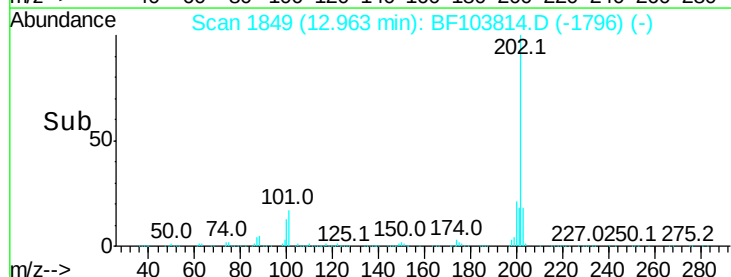
600000

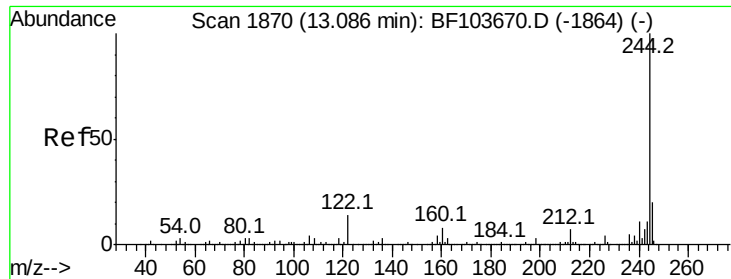
400000

200000

0

Time-->





#78

Terphenyl-d14

Concen: 85.654 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Instrument :

BNA_F

ClientSampled :

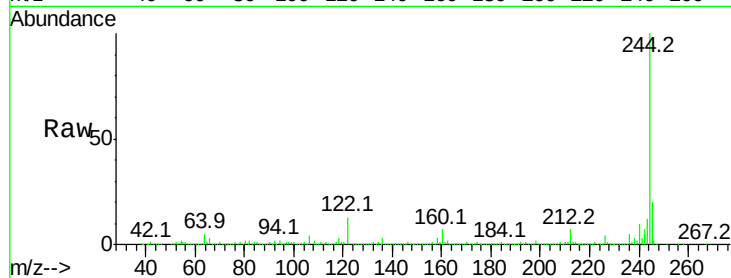
Tot Ion:244 Resp: 1018056

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

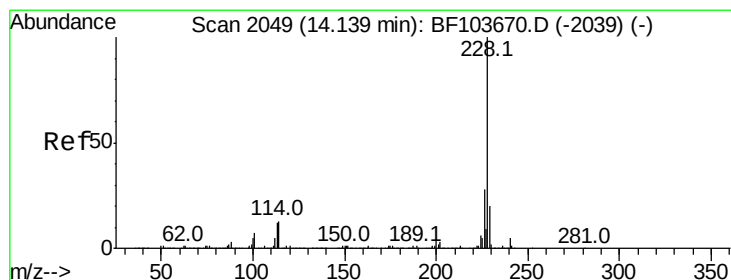
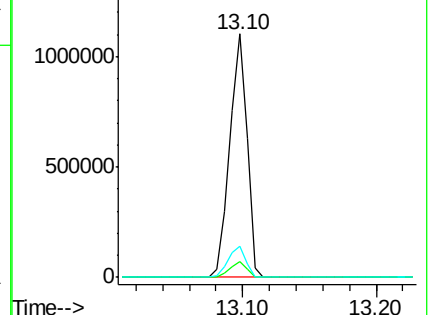
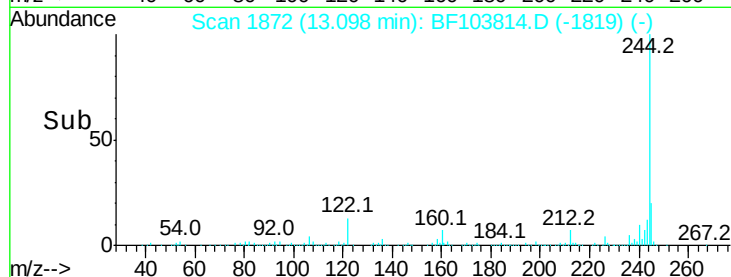
122 12.7 11.0 16.4



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: 18.197 ng

RT: 14.15 min Scan# 2051

Delta R.T. 0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

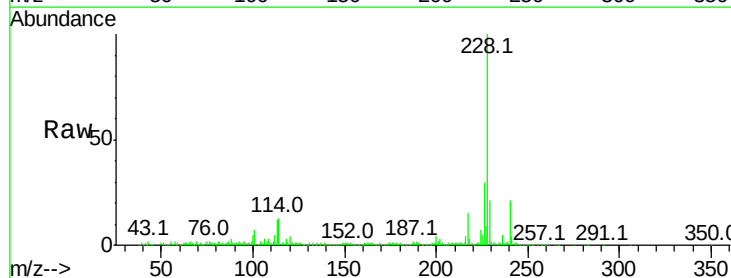
Tgt Ion:228 Resp: 317778

Ion Ratio Lower Upper

228 100

226 29.7 22.6 33.8

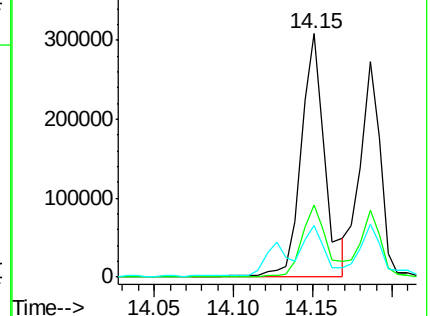
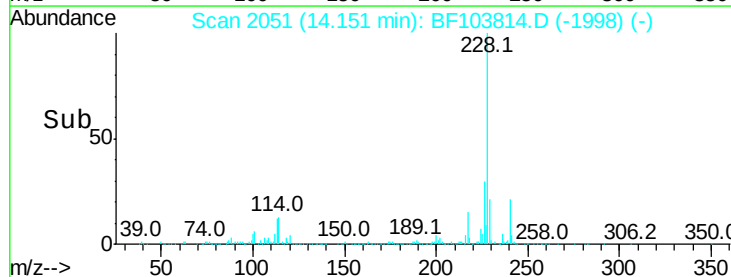
229 21.1 15.8 23.6

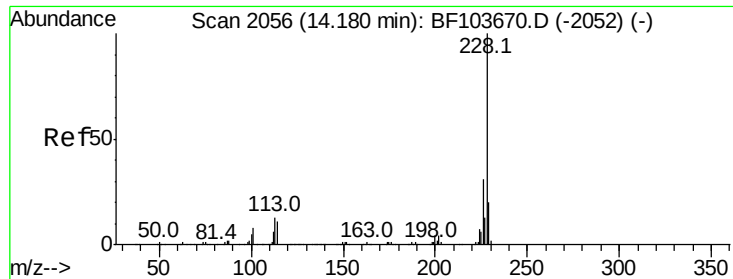


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 19.089 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.03 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

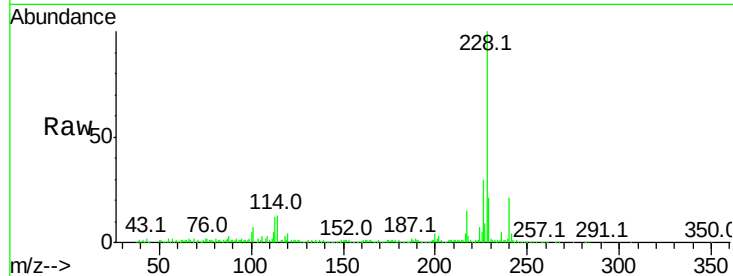
Instrument :

BNA_F

ClientSampled :

Tot Ion:228 Resp: 317778

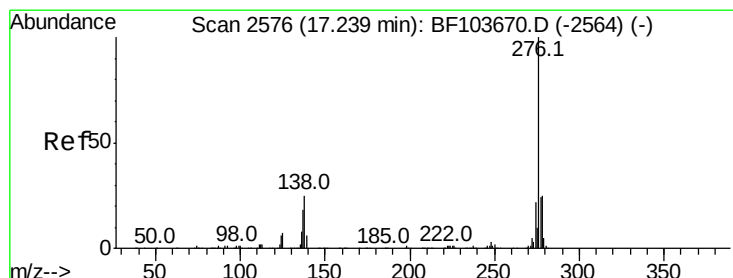
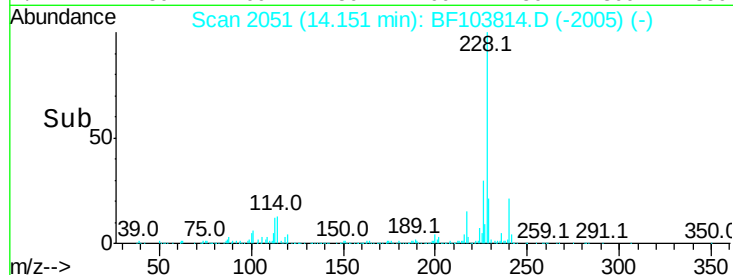
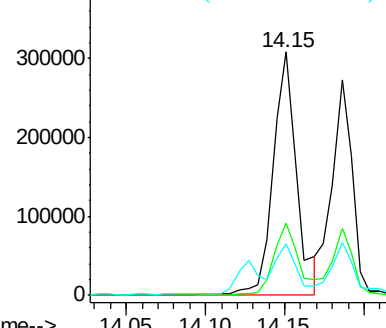
Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	21.1	16.2	24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.061 ng

RT: 17.27 min Scan# 2581

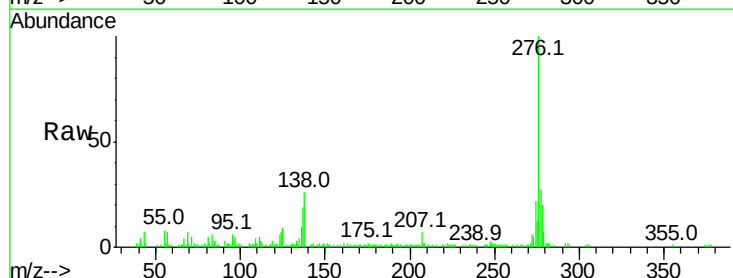
Delta R.T. 0.03 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Tgt Ion:276 Resp: 88111

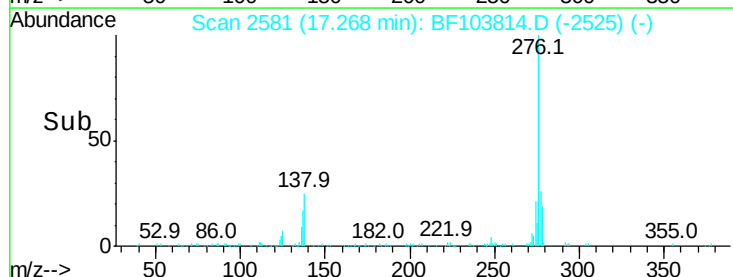
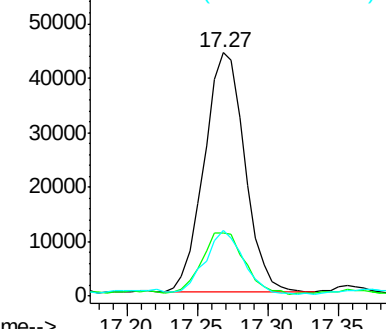
Ion	Ratio	Lower	Upper
276	100		
138	26.9	25.0	37.6
277	24.9	20.1	30.1

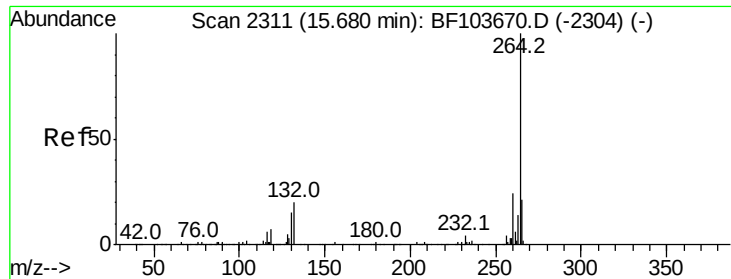


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

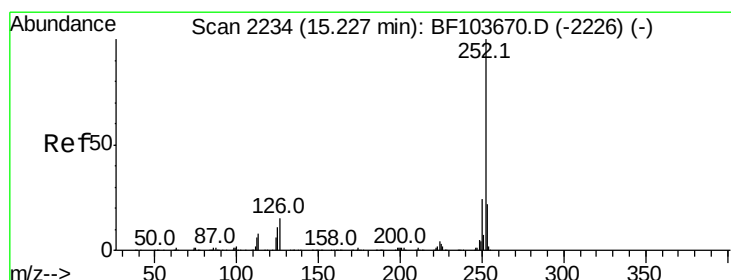
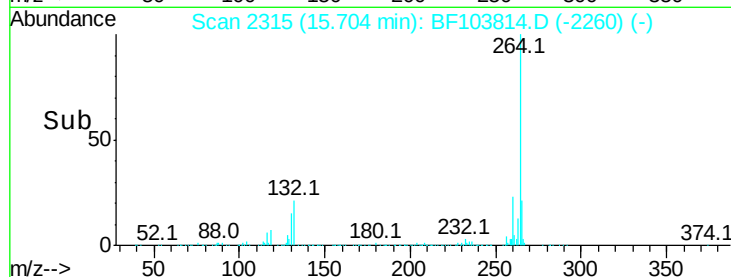
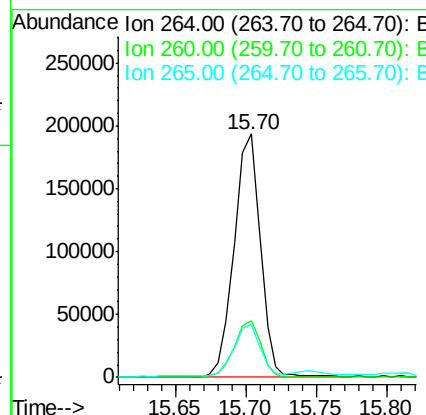
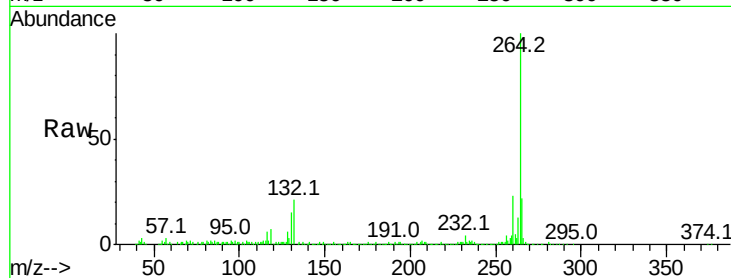




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

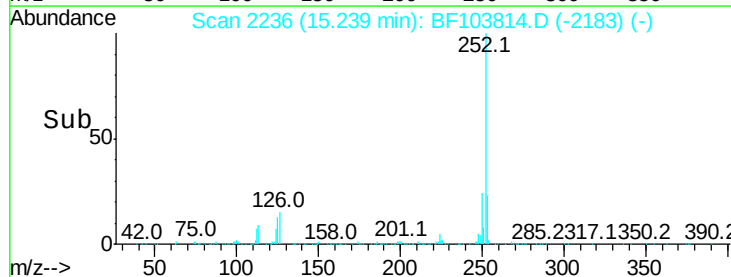
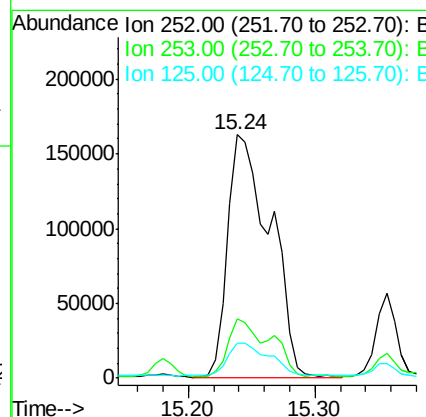
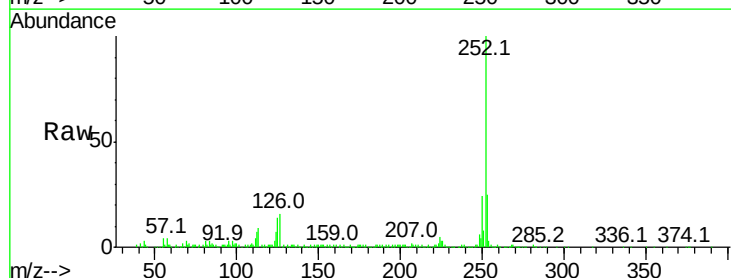
Instrument :
BNA_F
ClientSampled :

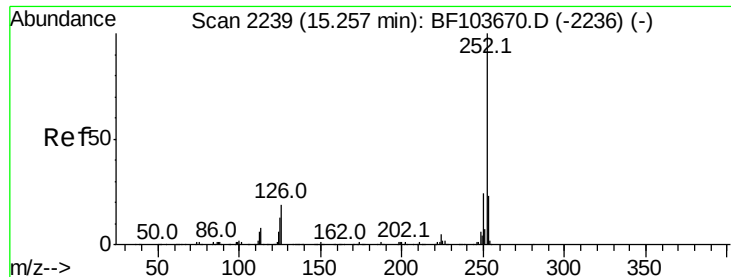
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.7	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 23.767 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	14.3	9.0	13.6

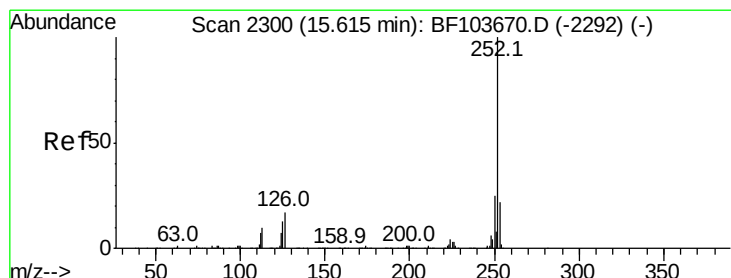
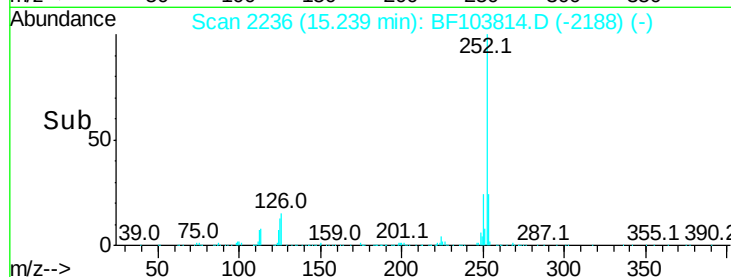
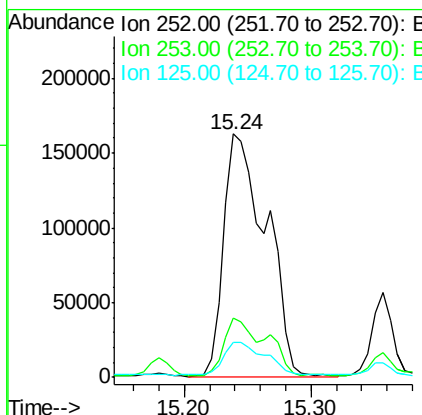
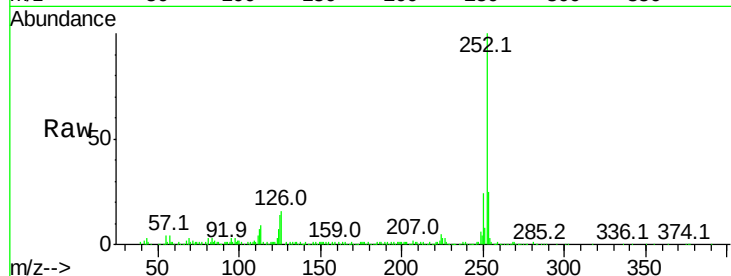




#88
Benzo(k)fluoranthene
Concen: 24.724 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

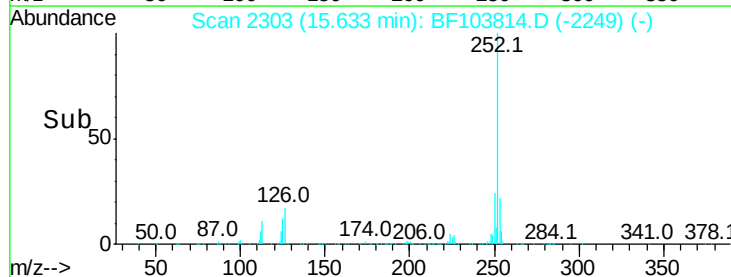
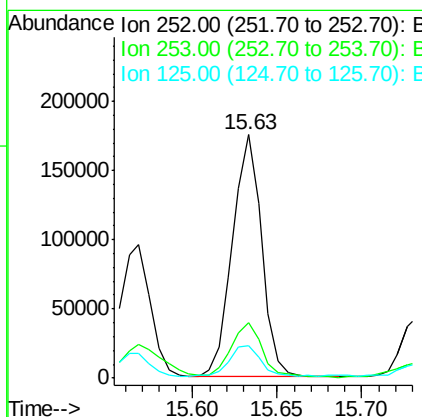
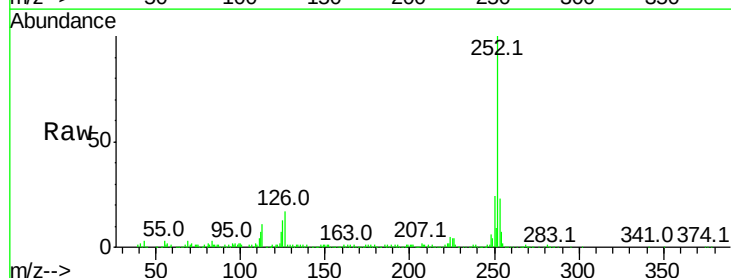
Instrument :
BNA_F
ClientSampleId :

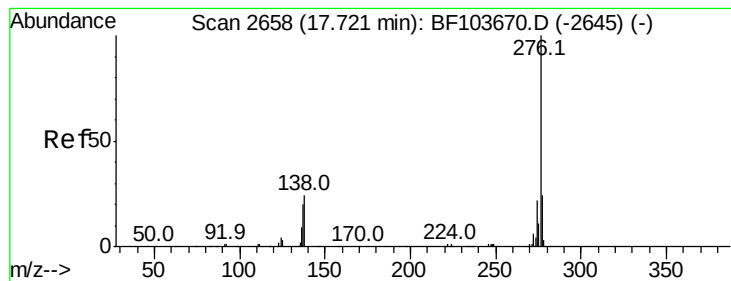
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	14.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 14.630 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.02 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	13.4	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.774 ng
 RT: 17.75 min Scan# 2663
 Delta R.T. 0.03 min
 Lab File: BF103814.D
 Acq: 20 Mar 2018 20:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	24.9	21.8	32.8

