

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104460.D
 Acq On : 12 Apr 2018 19:23
 Operator : JU/SJ
 Sample : J2163-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 00:16:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	134659	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	536824	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	230900	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	317740	20.00	ng	0.00
75) Chrysene-d12	14.01	240	189663	20.00	ng	0.02
86) Perylene-d12	15.47	264	182579	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	216227	24.55	ng	0.00
7) Phenol-d6	6.43	99	260805	24.10	ng	-0.01
23) Nitrobenzene-d5	7.37	82	146346	17.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	46255	19.31	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	280175	19.17	ng	0.00
78) Terphenyl-d14	12.93	244	182459	21.93	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.40	77	510	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	18231	2.578 ng	#	76
25) Isophorone	7.37	82	146344	8.418 ng	#	64
31) Naphthalene	8.12	128	499422	18.683 ng		99
33) 4-Chloroaniline	8.12	127	65766	5.743 ng	#	32
35) Caprolactam	8.81	113	12448	4.874 ng	#	1
37) 2-Methylnaphthalene	8.81	142	568795	32.896 ng		98
45) 1,1'-Biphenyl	9.27	154	135910	7.007 ng		98
48) Acenaphthylene	9.72	152	154401	6.423 ng	#	93
51) Acenaphthene	9.89	154	680974	46.429 ng		99
53) 2,4-Dinitrophenol	10.14	184	559	5.733 ng	#	30
54) Dibenzofuran	10.06	168	419817	20.539 ng	#	93
55) 4-Nitrophenol	9.96	139	14986	4.837 ng	#	25
56) 2,4-Dinitrotoluene	10.05	165	8968	2.029 ng	#	1
57) Fluorene	10.41	166	1182113	79.456 ng		98
61) 4-Nitroaniline	10.41	138	14334	3.717 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.72	198	2203	8.553 ng		90
65) n-Nitrosodiphenylamine	10.51	169	41824	3.796 ng	#	45
70) Phenanthrene	11.39	178	4057083	229.282 ng		99
71) Anthracene	11.44	178	1803787	100.283 ng		99
72) Carbazole	11.57	167	204349	11.626 ng		98
74) Fluoranthene	12.59	202	3193209	172.722 ng		98
76) Benzidine	12.67	184	1803	Below Cal	#	1
77) Pyrene	12.59	202	3193209	227.138 ng		99
80) Benzo(a)anthracene	14.00	228	2150190	189.767 ng		96
82) Chrysene	14.04	228	1749442	150.317 ng		96
85) Indeno(1,2,3-cd)pyrene	16.77	276	122895	12.430 ng		95
87) Benzo(b)fluoranthene	15.06	252	2011276	174.418 ng		96
88) Benzo(k)fluoranthene	15.06	252	2011276	184.747 ng		99
89) Benzo(a)pyrene	15.42	252	1223921	118.623 ng		96
90) Dibenzo(a,h)anthracene	17.11	278	163150	19.253 ng		95
91) Benzo(a,h,i)perylene	17.40	276	613614	74.741 ng		94

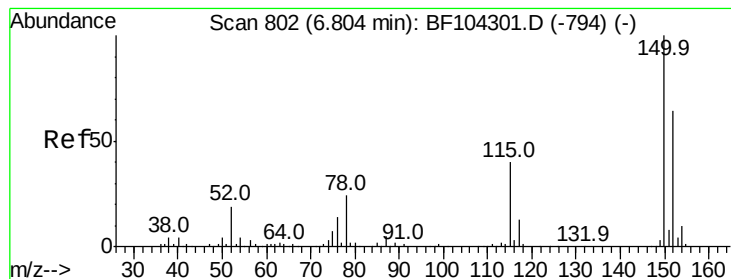
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104460.D
Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 13 00:16:20 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 12 17:07:03 2018
Response via : Initial Calibration

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

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

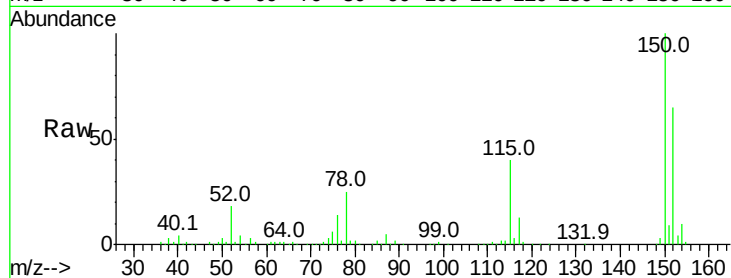


#1

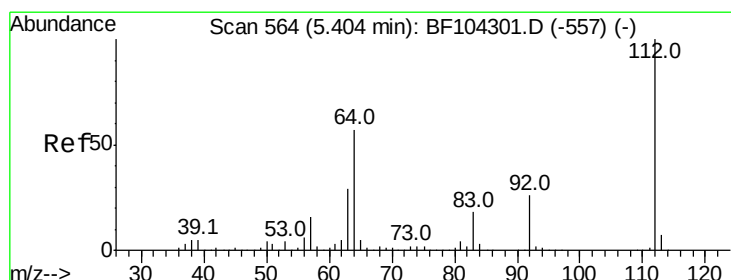
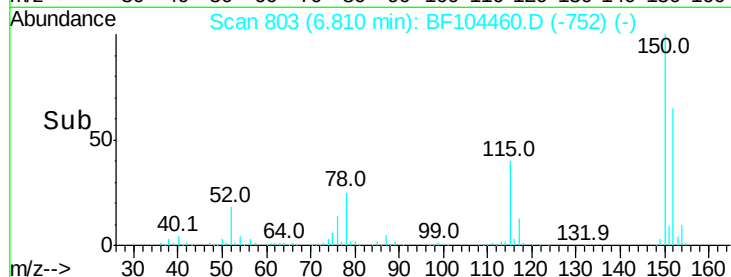
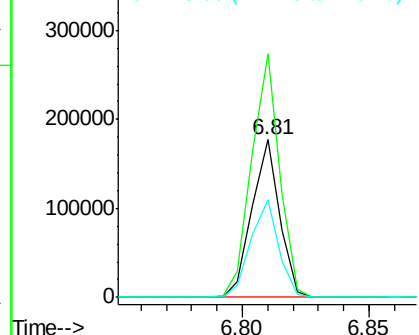
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134659
Ion Ratio Lower Upper
152 100
150 154.6 124.6 186.8
115 61.7 50.1 75.1



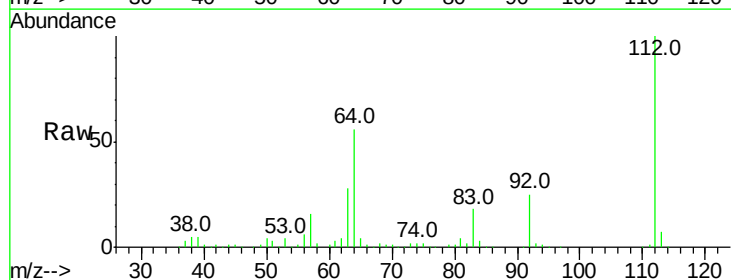
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



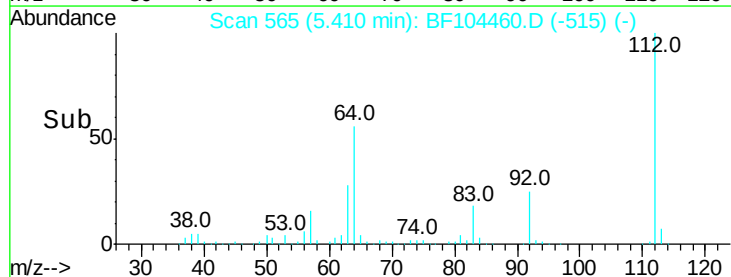
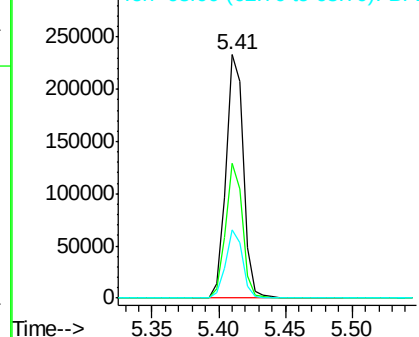
#5

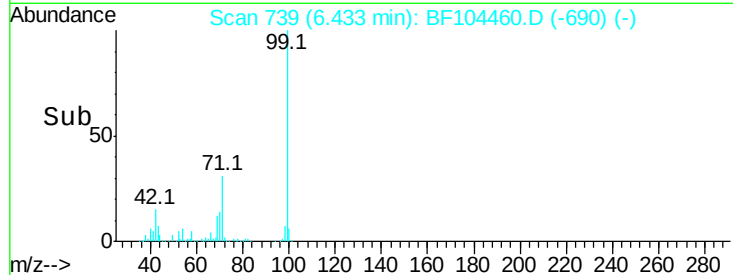
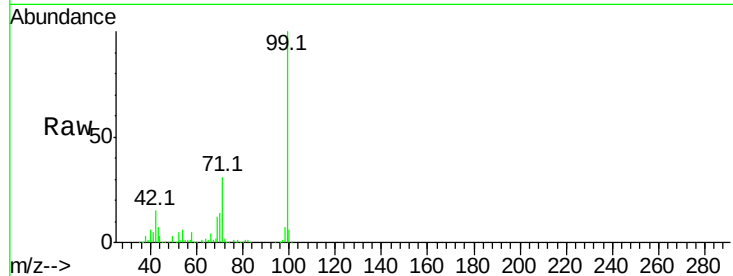
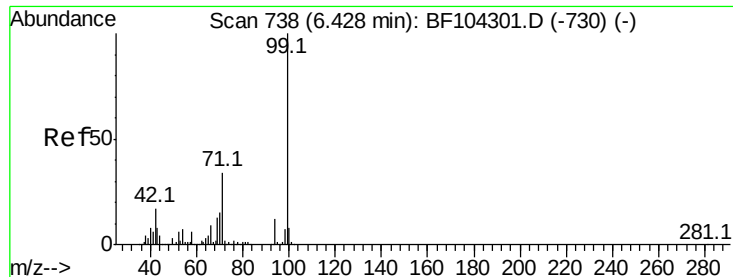
2-Fluorophenol
Concen: 24.553 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

Tgt Ion:112 Resp: 216227
Ion Ratio Lower Upper
112 100
64 55.5 47.9 71.9
63 28.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 24.103 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

Instrument :

BNA_F

ClientSampleId :

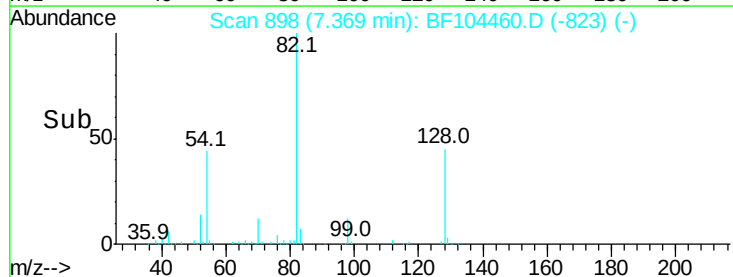
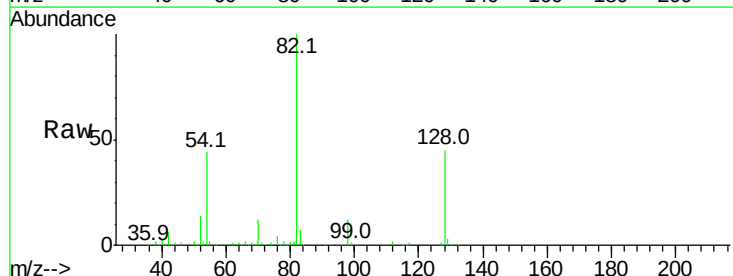
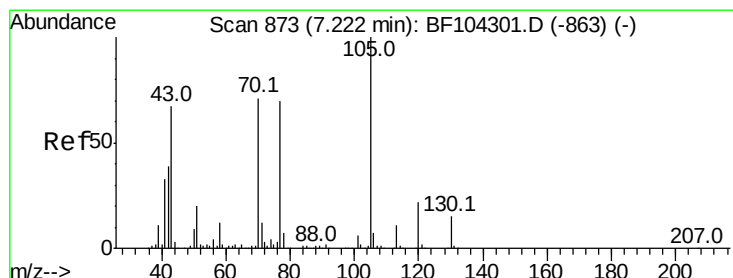
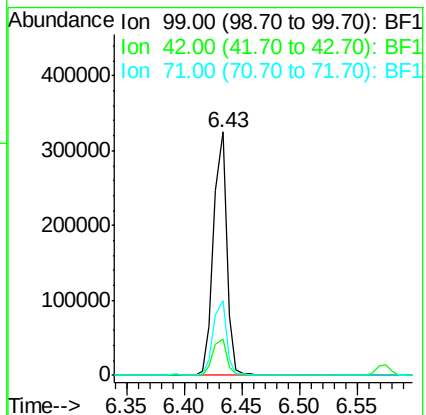
Tot Ion: 99 Resp: 260805

Ion Ratio Lower Upper

99 100

42 14.8 14.5 21.7

71 30.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.578 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

Tgt Ion: 70 Resp: 18231

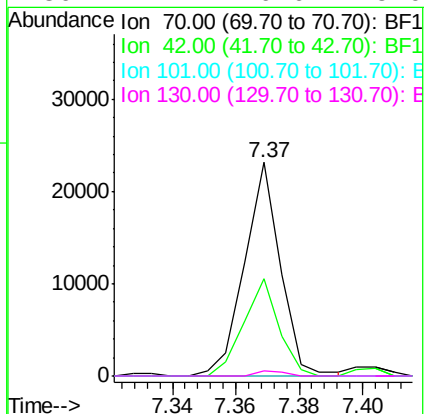
Ion Ratio Lower Upper

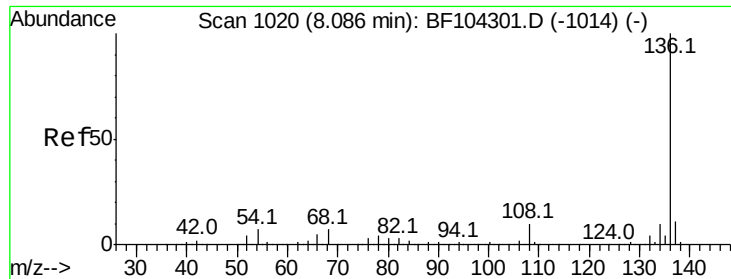
70 100

42 45.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

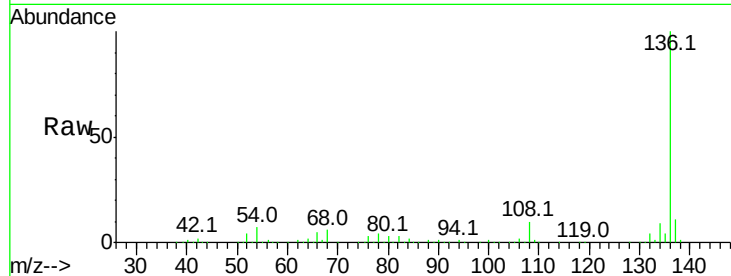




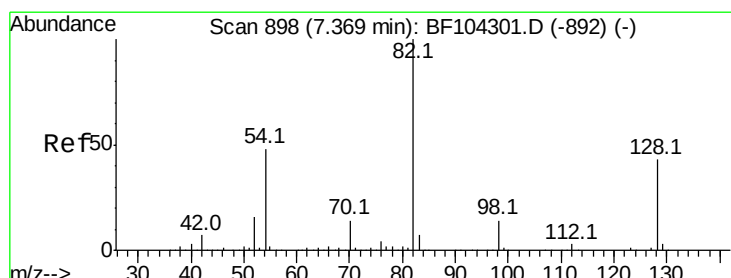
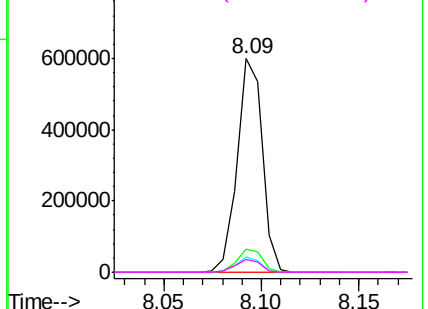
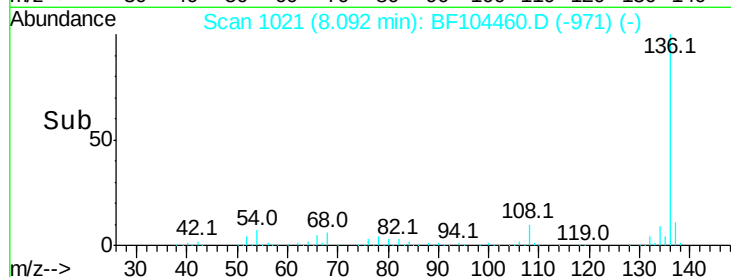
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	536824
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.3	6.6	9.8
68	6.1	5.0	7.4

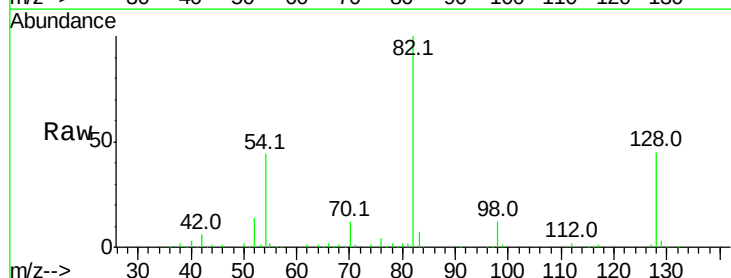


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

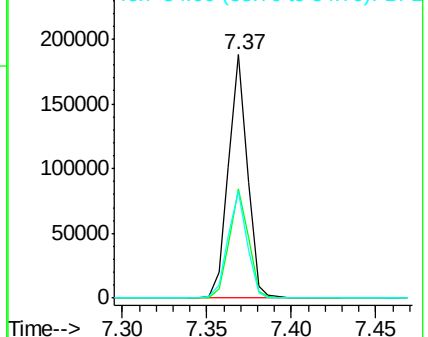
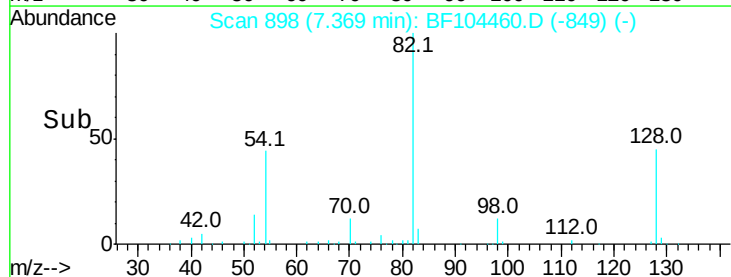


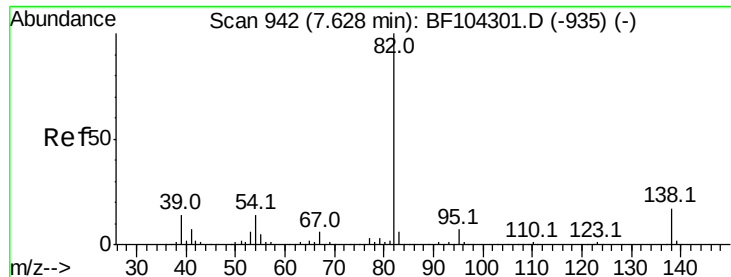
#23
Nitrobenzene-d5
Concen: 17.801 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

Tgt Ion:	82	Resp:	146346
Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.1	54.1
54	43.7	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: 8.418 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

Instrument :

BNA_F

ClientSampled :

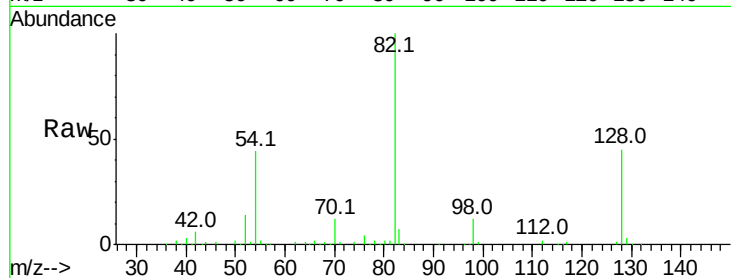
Tot Ion: 82 Resp: 146344

Ion Ratio Lower Upper

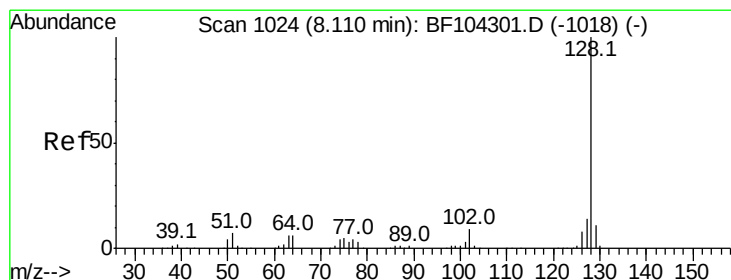
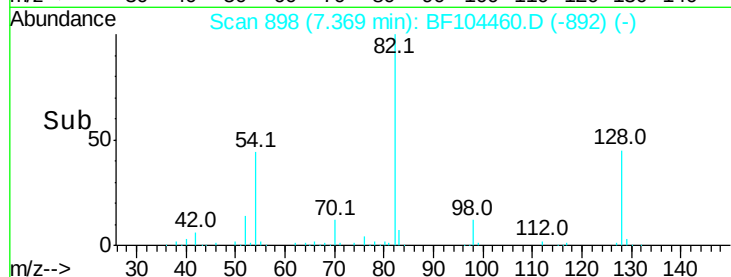
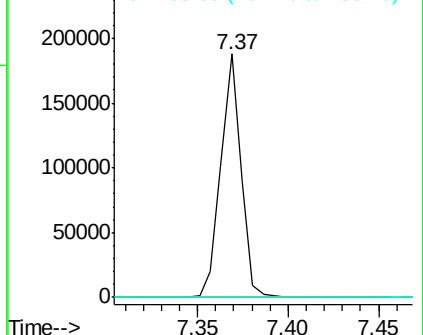
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 18.683 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

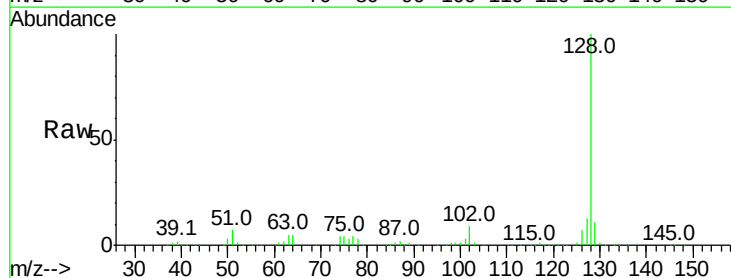
Tgt Ion: 128 Resp: 499422

Ion Ratio Lower Upper

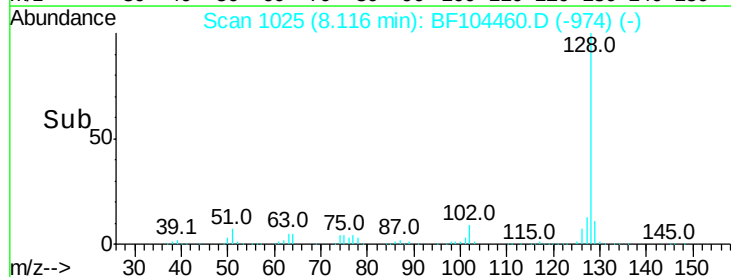
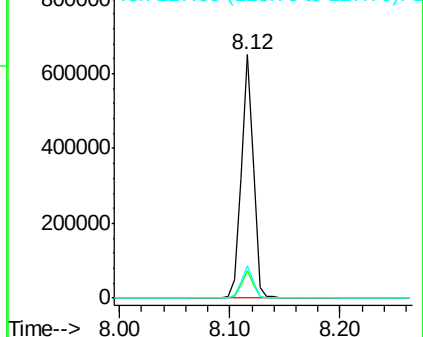
128 100

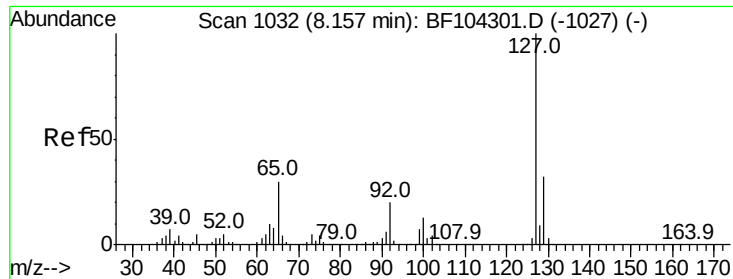
129 11.3 8.8 13.2

127 13.3 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

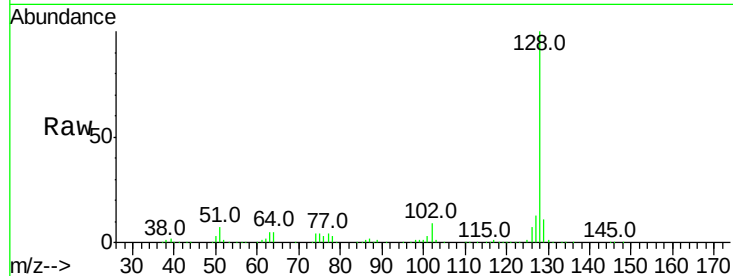




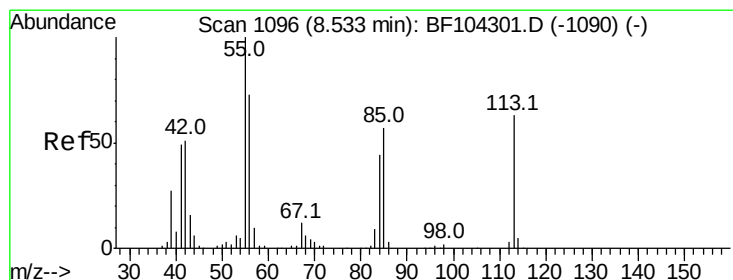
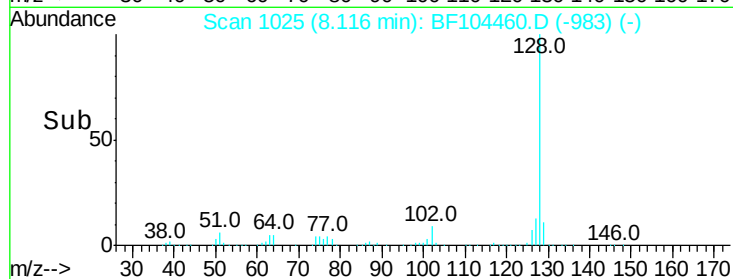
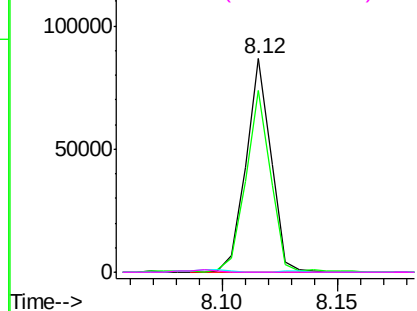
#33
4-Chloroaniline
Concen: 5.743 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.05 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	65766
Ion	Ratio	Lower	Upper
127	100		
129	85.0	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

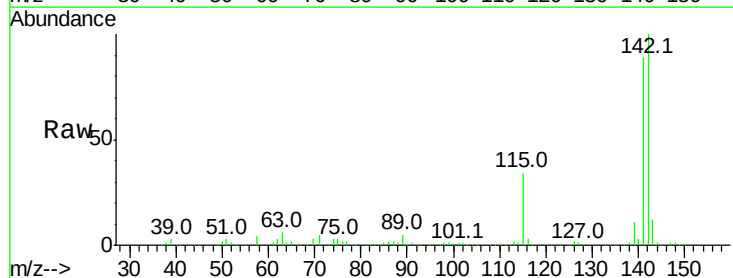


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

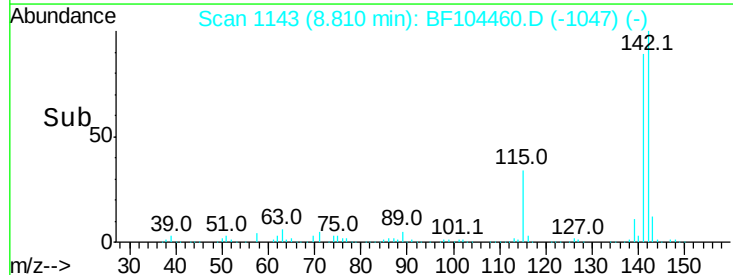
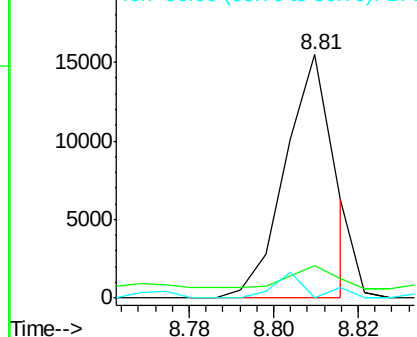


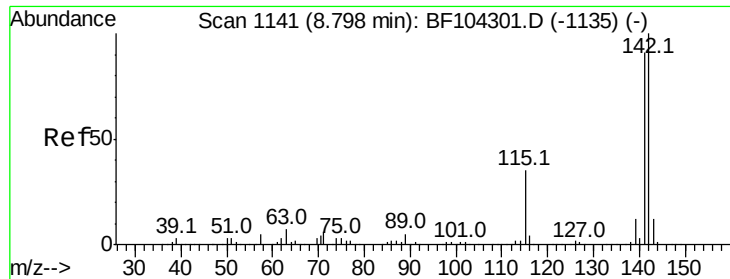
#35
Caprolactam
Concen: 4.874 ng
RT: 8.81 min Scan# 1143
Delta R.T. 0.26 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

Tgt Ion:	113	Resp:	12448
Ion	Ratio	Lower	Upper
113	100		
55	13.4	163.3	203.3#
56	0.0	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

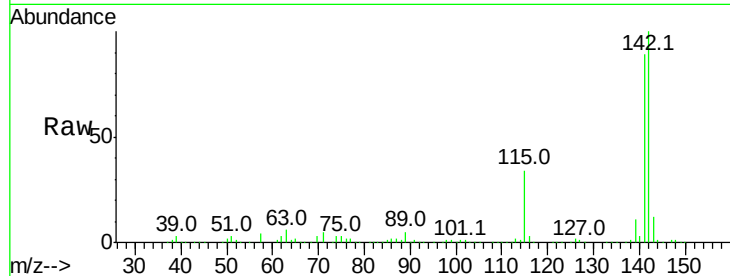




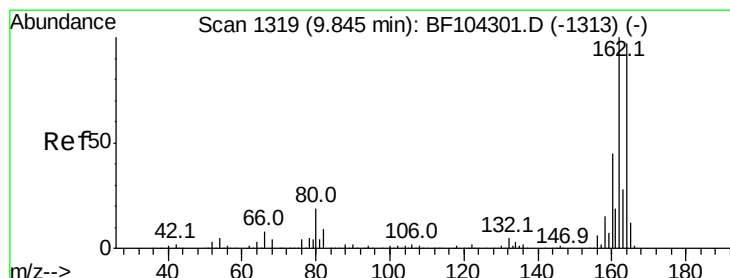
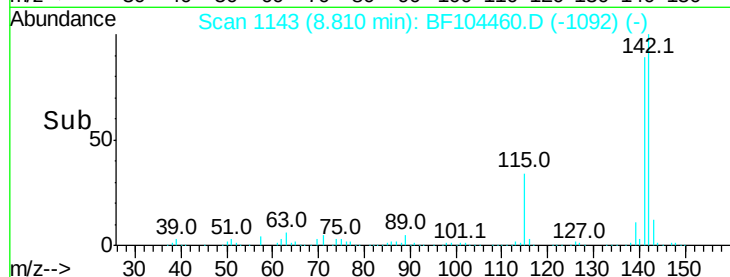
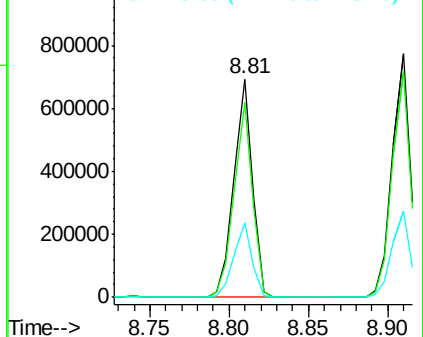
#37
2-Methylnaphthalene
Concen: 32.896 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.00 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 568795
Ion Ratio Lower Upper
142 100
141 89.4 70.8 106.2
115 34.3 26.1 39.1

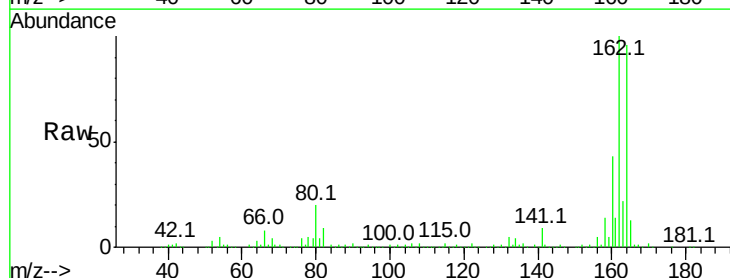


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

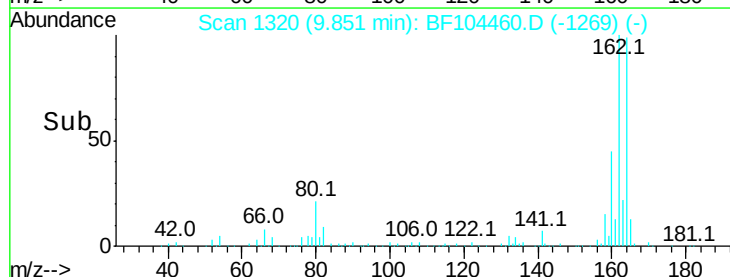
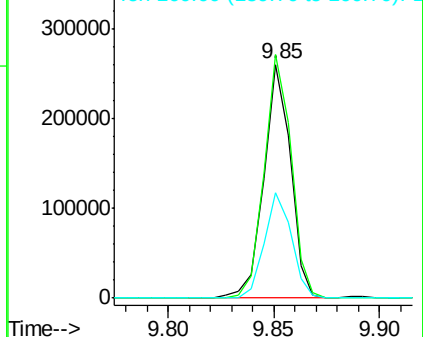


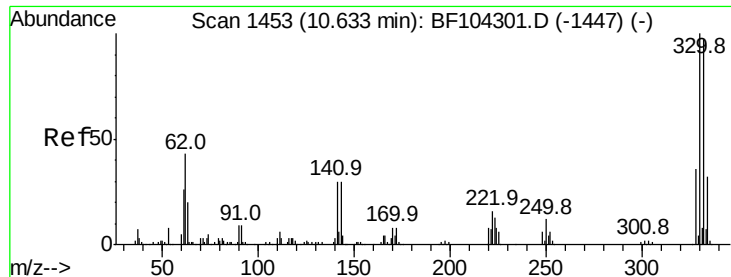
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

Tgt Ion:164 Resp: 230900
Ion Ratio Lower Upper
164 100
162 104.2 86.1 129.1
160 45.3 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

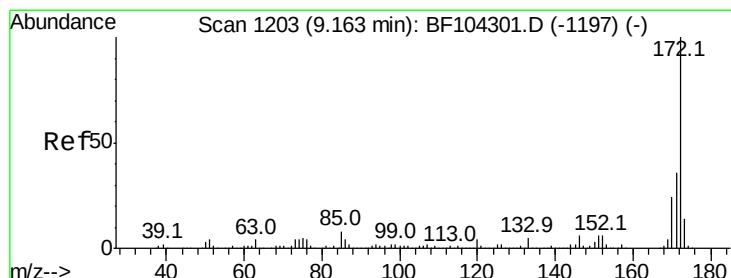
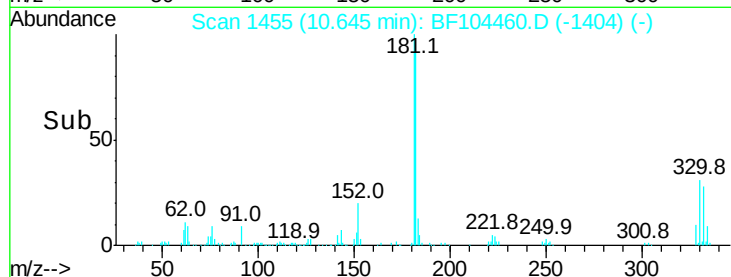
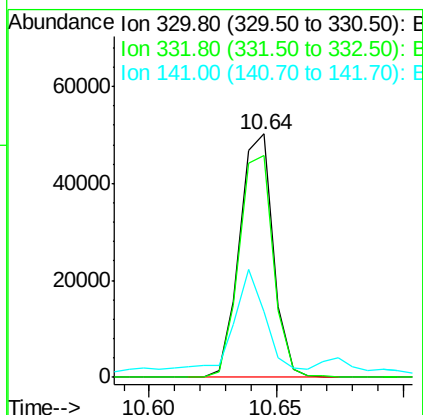
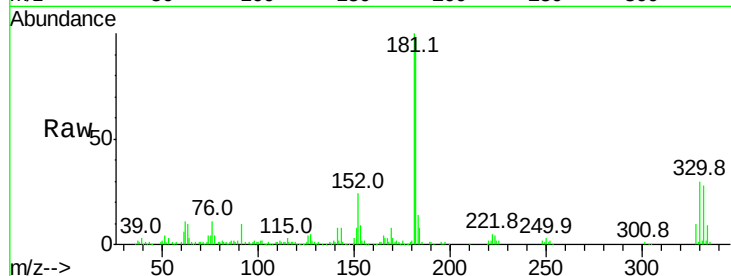




#41
 2,4,6-Tribromophenol
 Concen: 19.312 ng
 RT: 10.64 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF104460.D
 Acq: 12 Apr 2018 19:23

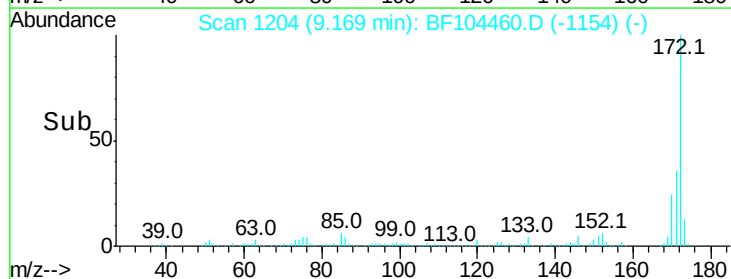
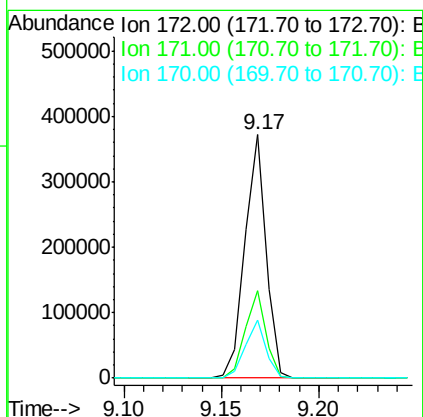
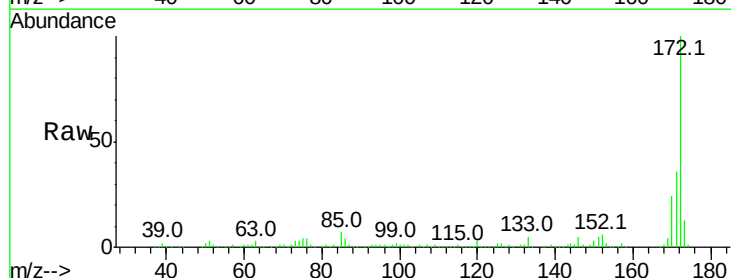
Instrument :
 BNA_F
 ClientSampleId :

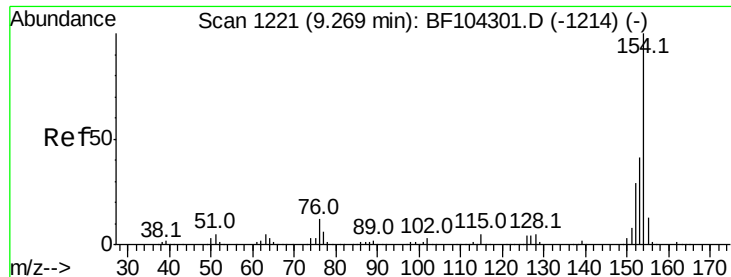
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.5	77.0	115.6
141	36.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 19.169 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104460.D
 Acq: 12 Apr 2018 19:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.9	19.6	29.4

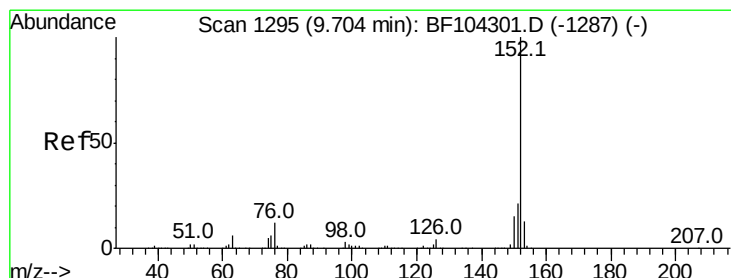
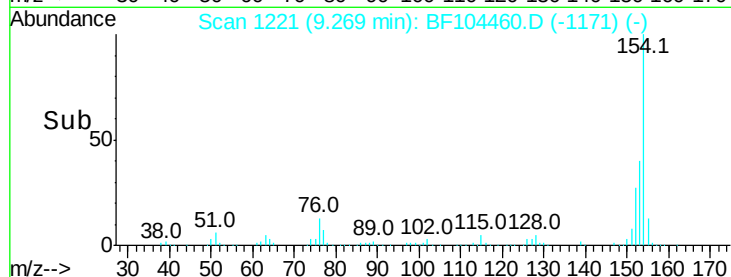
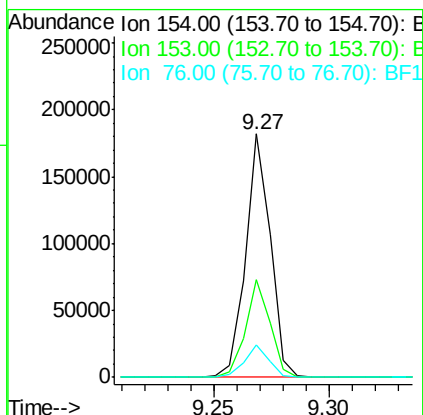
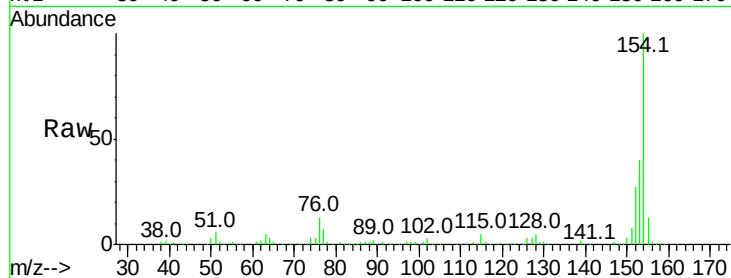




#45
1,1'-Biphenyl
Concen: 7.007 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

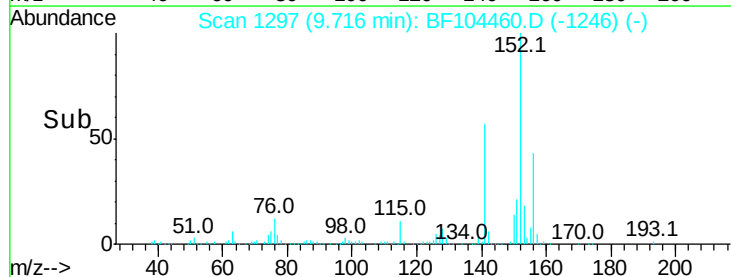
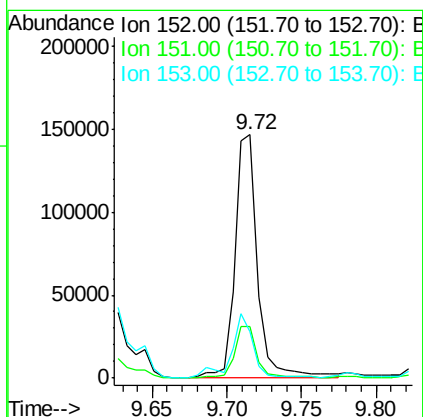
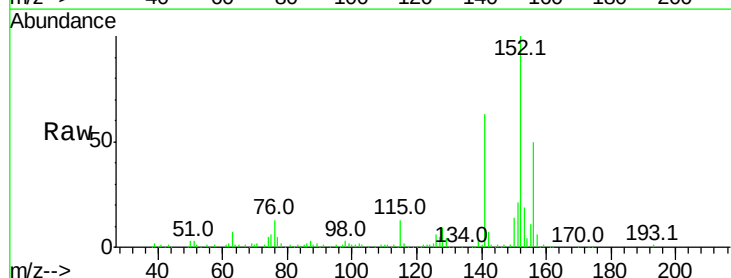
Instrument :
BNA_F
ClientSampled :

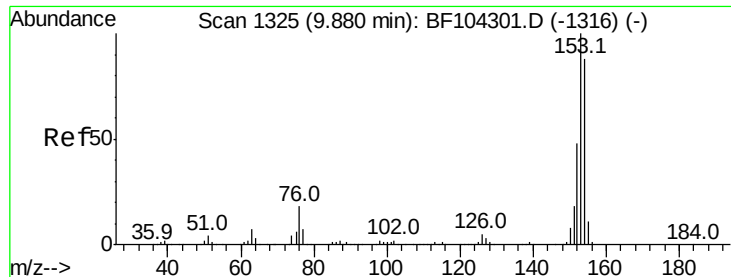
Tot Ion:154 Resp: 135910
Ion Ratio Lower Upper
154 100
153 40.2 21.3 61.3
76 13.1 0.0 34.0



#48
Acenaphthylene
Concen: 6.423 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

Tgt Ion:152 Resp: 154401
Ion Ratio Lower Upper
152 100
151 21.4 16.3 24.5
153 19.3 10.7 16.1#





#51

Acenaphthene

Concen: 46.429 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.01 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

Instrument :

BNA_F

ClientSampled :

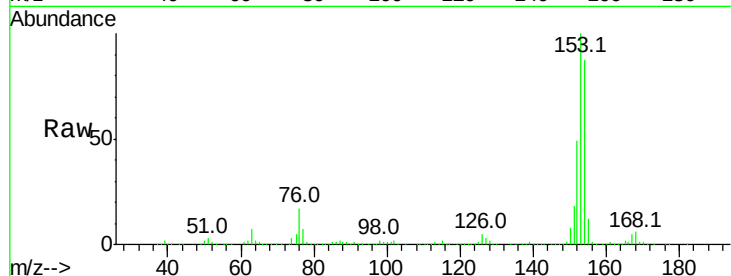
Tot Ion:154 Resp: 680974

Ion Ratio Lower Upper

154 100

153 114.7 91.2 136.8

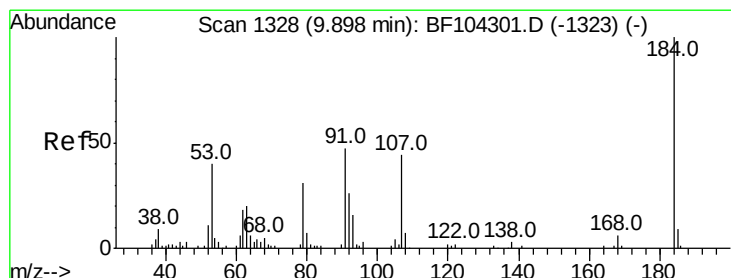
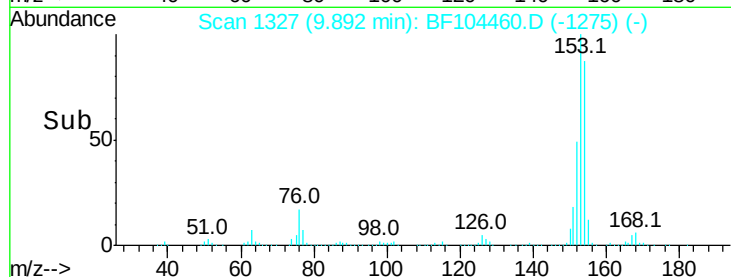
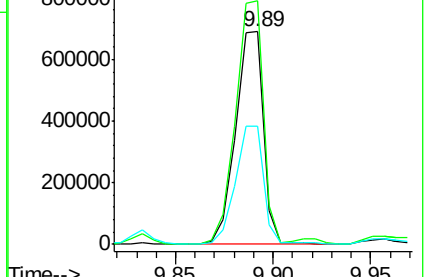
152 55.9 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 5.733 ng

RT: 10.14 min Scan# 1370

Delta R.T. 0.23 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

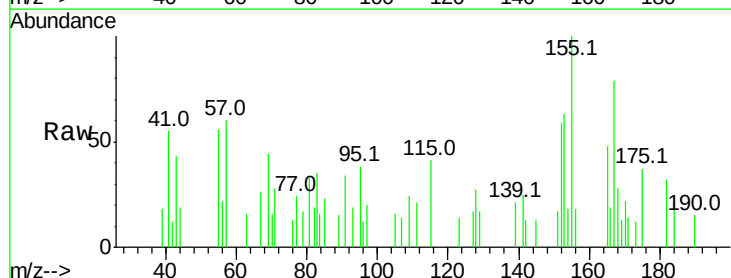
Tgt Ion:184 Resp: 559

Ion Ratio Lower Upper

184 100

63 78.3 54.2 81.2

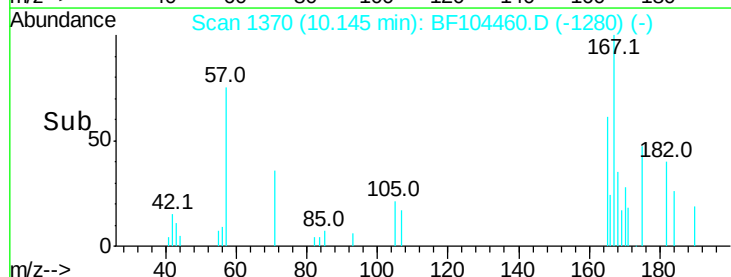
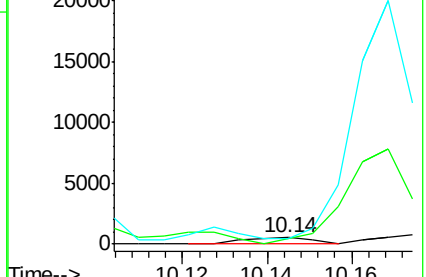
154 85.6 184.0 276.0#

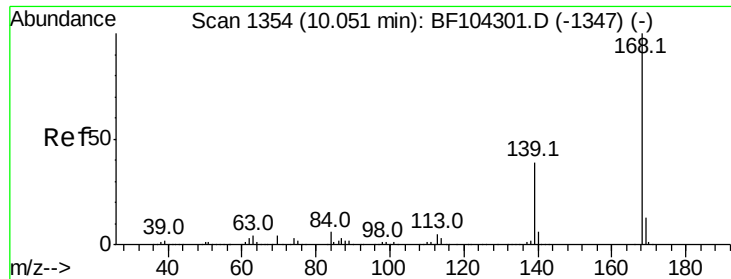


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 20.539 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.00 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

Instrument :

BNA_F

ClientSampleId :

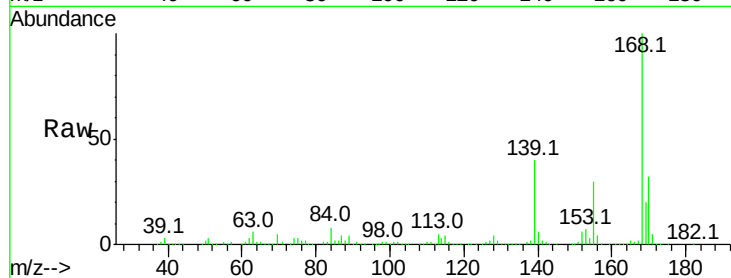
Tot Ion:168 Resp: 419817

Ion Ratio Lower Upper

168 100

139 40.2 30.1 45.1

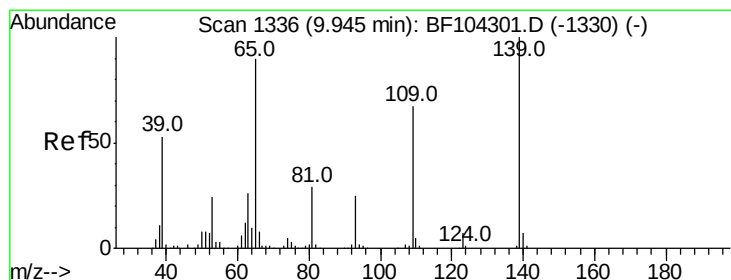
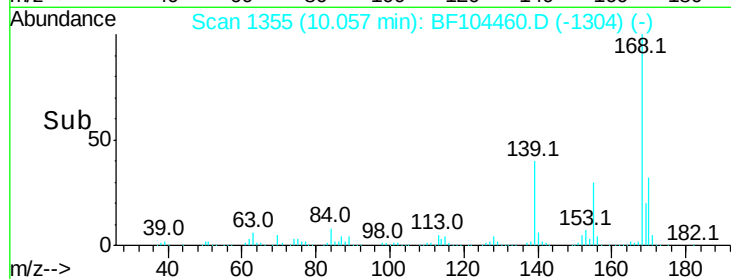
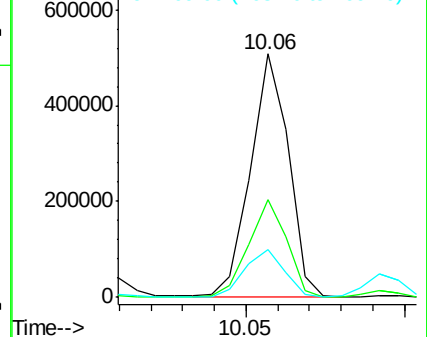
169 19.8 10.9 16.3#



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: 4.837 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

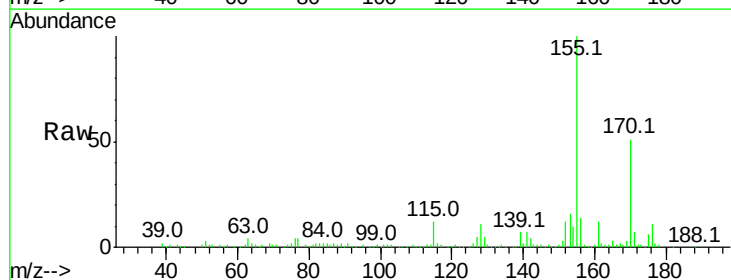
Tgt Ion:139 Resp: 14986

Ion Ratio Lower Upper

139 100

109 8.1 48.4 88.4#

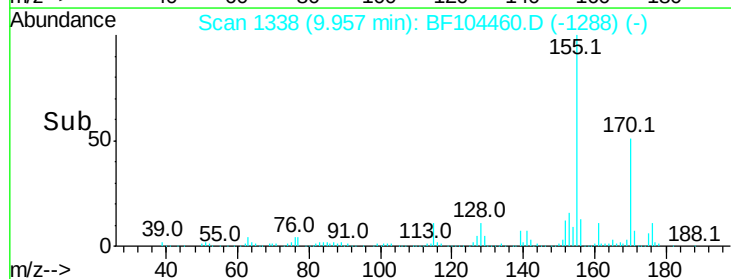
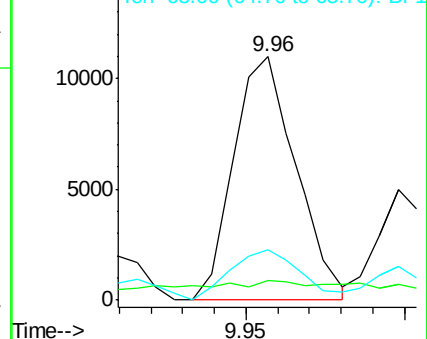
65 20.5 72.6 112.6#

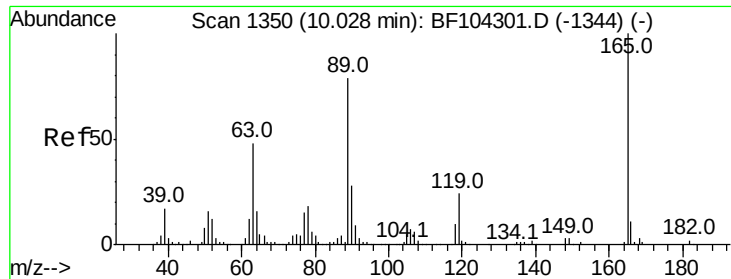


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

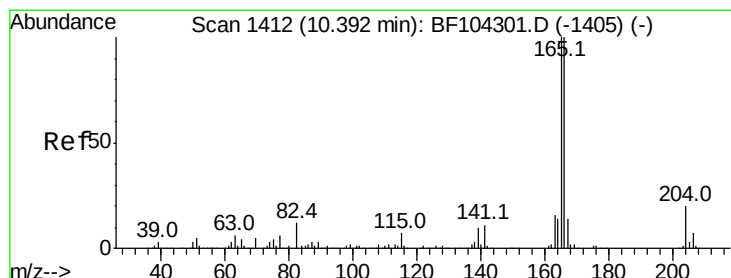
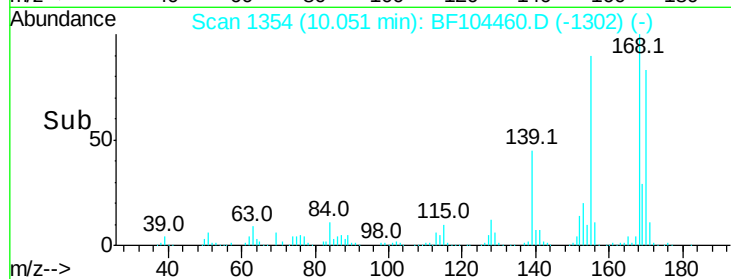
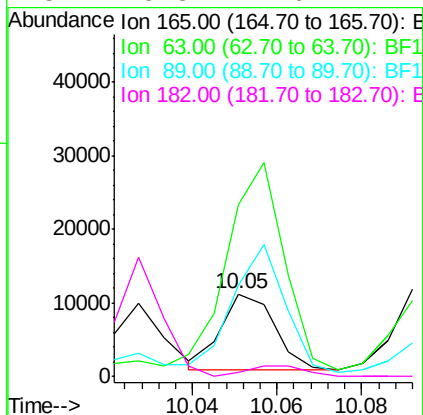
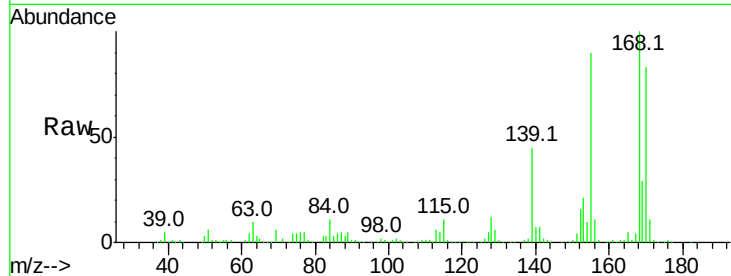




#56
2,4-Dinitrotoluene
Concen: 2.029 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.01 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

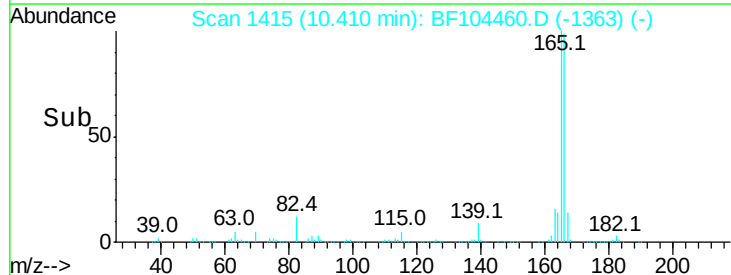
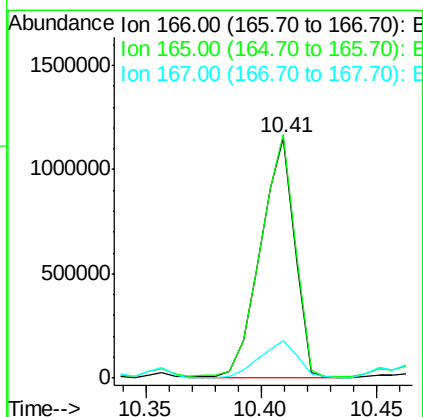
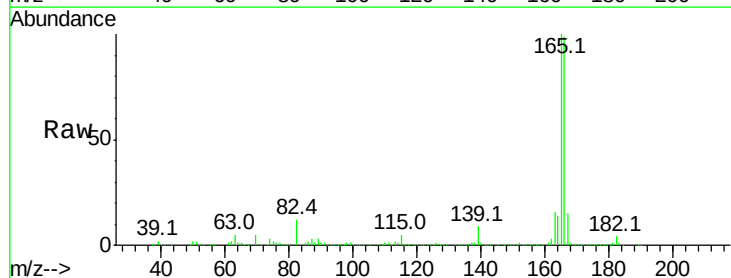
Instrument :
BNA_F
ClientSampleId :

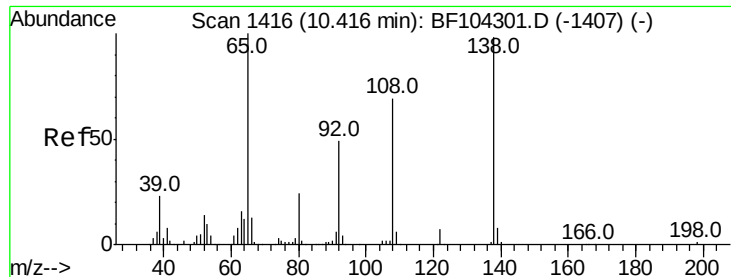
Tot Ion:165 Resp: 8968
Ion Ratio Lower Upper
165 100
63 208.3 36.4 54.6#
89 110.5 57.8 86.6#
182 5.3 1.6 2.4#



#57
Fluorene
Concen: 79.456 ng
RT: 10.41 min Scan# 1415
Delta R.T. 0.01 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

Tgt Ion:166 Resp: 1182113
Ion Ratio Lower Upper
166 100
165 101.5 79.8 119.8
167 15.4 10.6 16.0

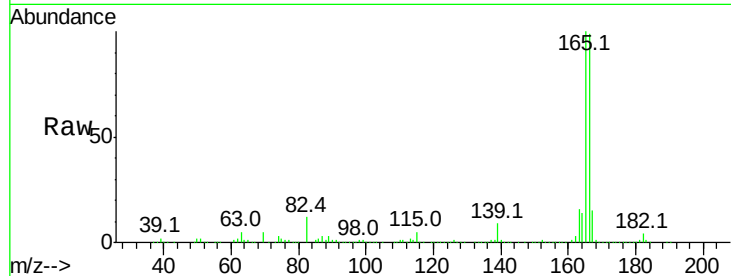




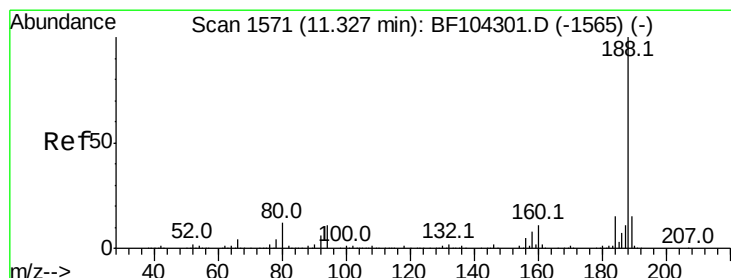
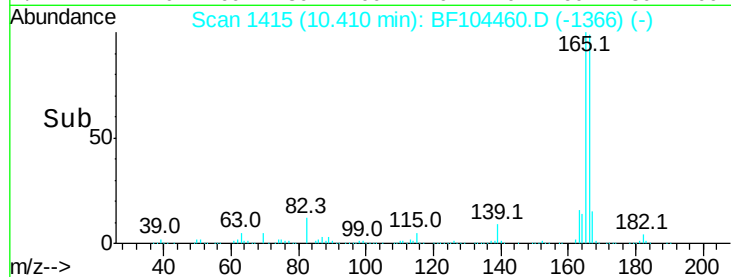
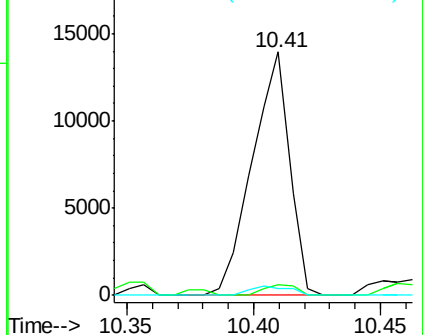
#61
4-Nitroaniline
Concen: 3.717 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 14334
Ion Ratio Lower Upper
138 100
92 4.4 30.2 70.2#
108 2.6 52.5 92.5#

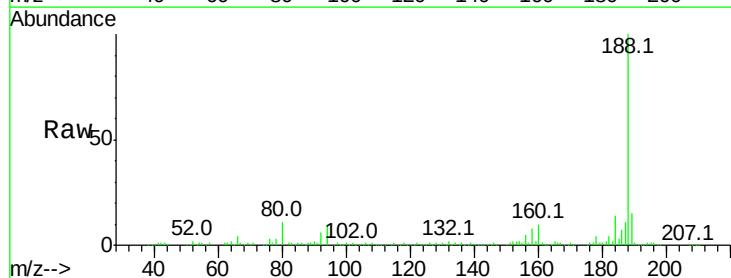


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

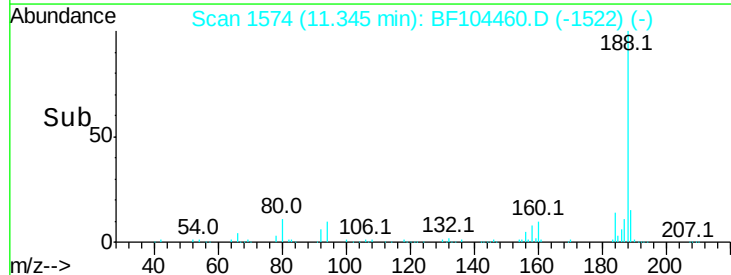
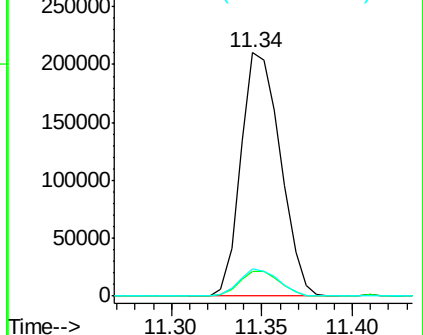


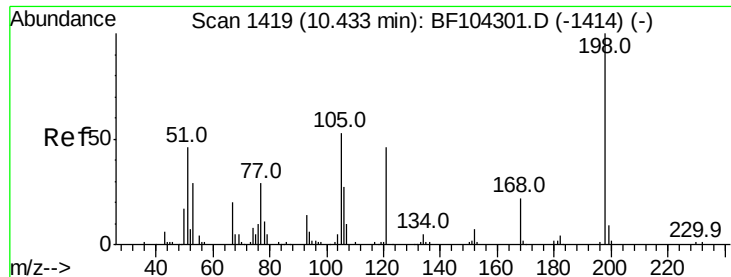
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

Tgt Ion:188 Resp: 317740
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 11.4 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

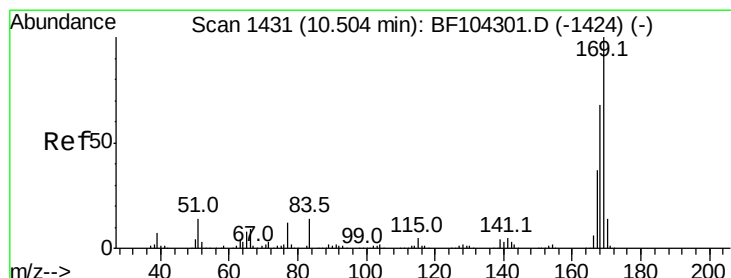
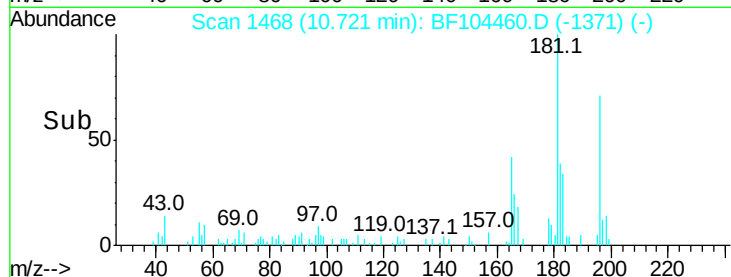
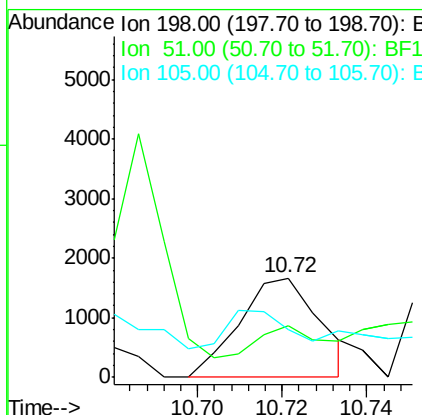
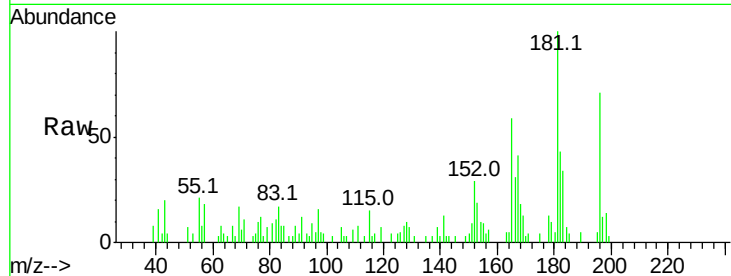




#64
4,6-Dinitro-2-methylphenol
Concen: 8.553 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.27 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

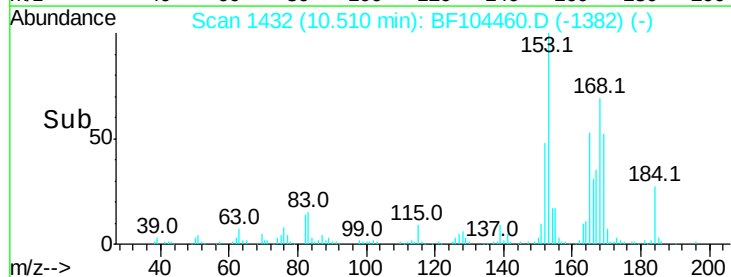
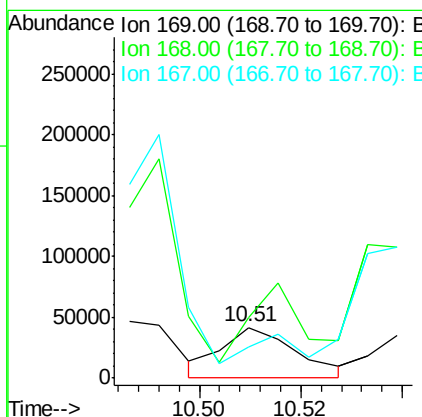
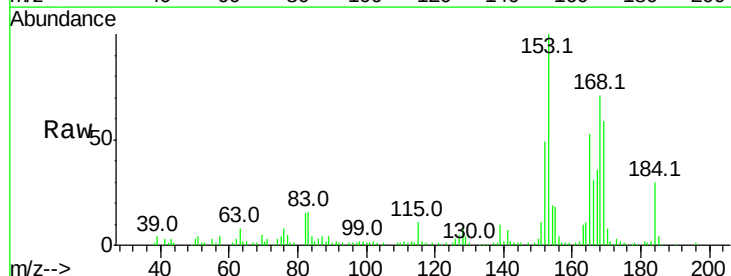
Instrument :
BNA_F
ClientSampleId :

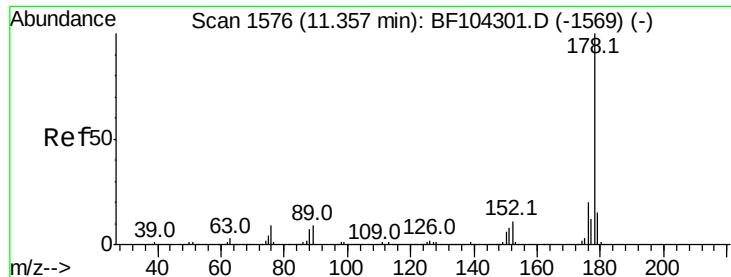
Tot Ion:198 Resp: 2203
Ion Ratio Lower Upper
198 100
51 52.2 37.7 77.7
105 47.8 36.3 76.3



#65
n-Nitrosodiphenylamine
Concen: 3.796 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

Tgt Ion:169 Resp: 41824
Ion Ratio Lower Upper
169 100
168 119.4 54.4 81.6#
167 60.7 29.8 44.6#





#70

Phenanthrene

Concen: 229.282 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.02 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

Instrument :

BNA_F

ClientSampleId :

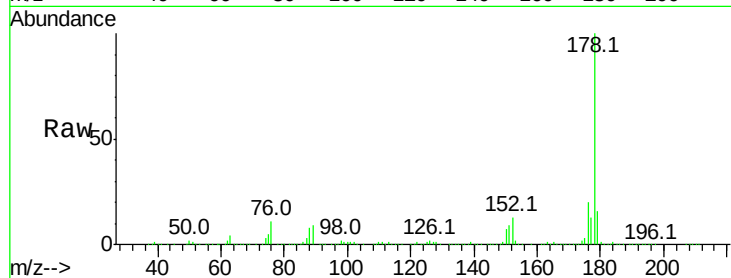
Tot Ion:178 Resp: 4057083

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

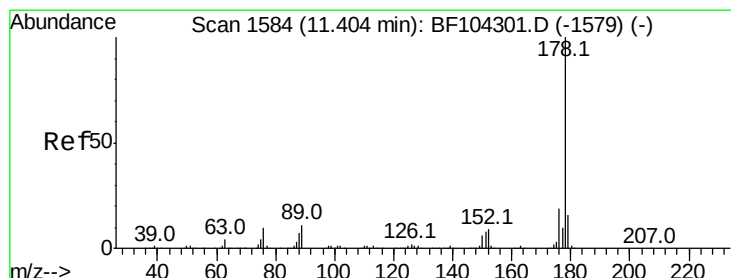
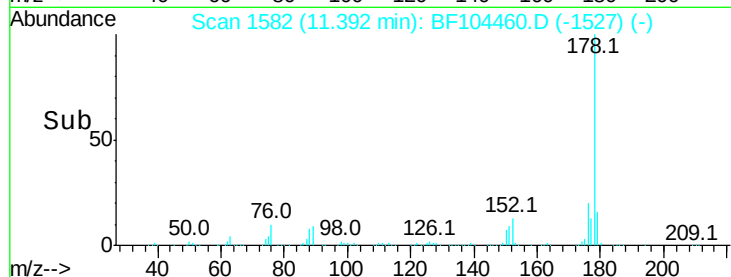
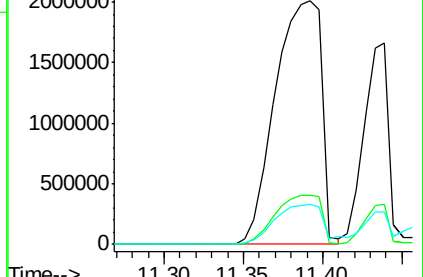
179 16.3 13.0 19.6



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: 100.283 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.02 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

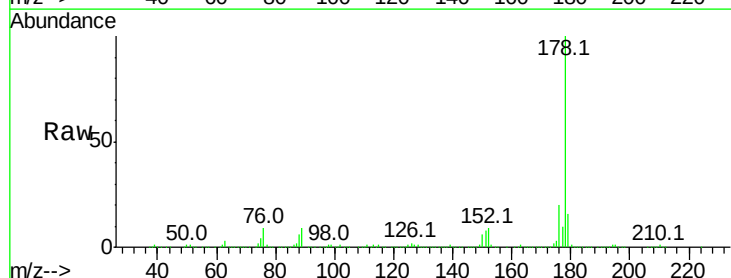
Tgt Ion:178 Resp: 1803787

Ion Ratio Lower Upper

178 100

176 19.9 15.4 23.2

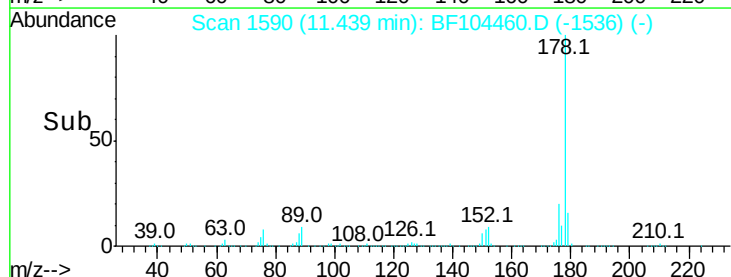
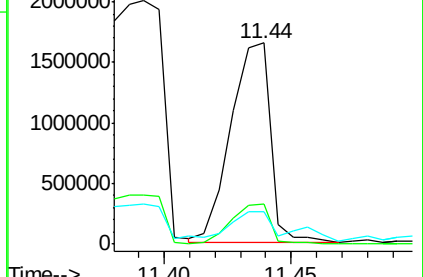
179 16.2 12.6 19.0

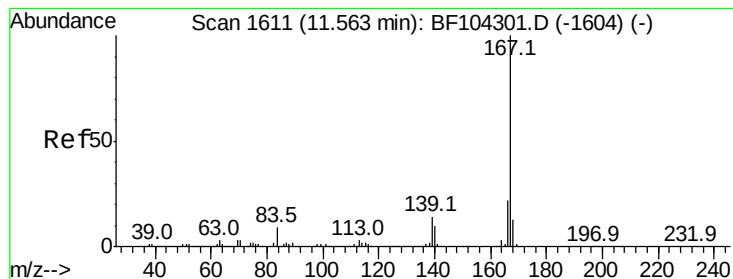


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 11.626 ng

RT: 11.57 min Scan# 1613

Delta R.T. -0.00 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

Instrument :

BNA_F

ClientSampleId :

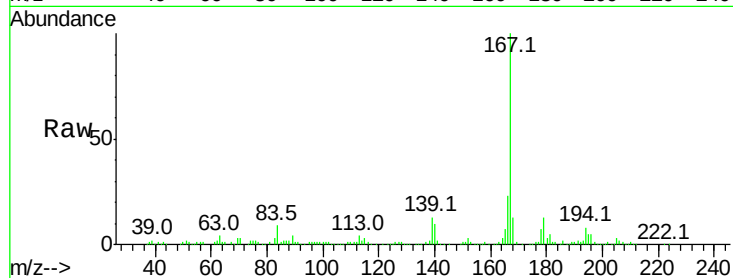
Tot Ion:167 Resp: 204349

Ion Ratio Lower Upper

167 100

166 23.2 17.6 26.4

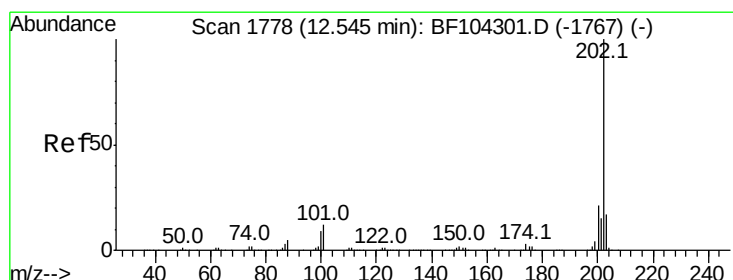
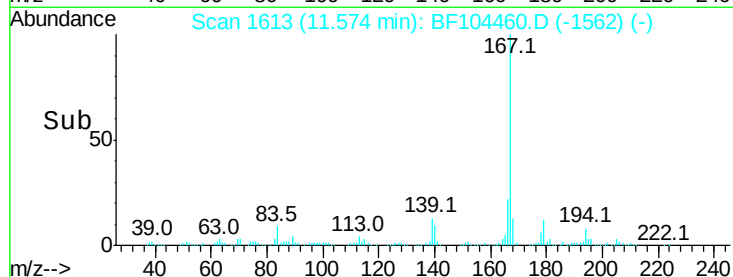
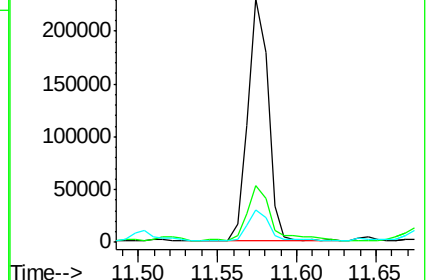
139 13.3 10.9 16.3



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: 172.722 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.03 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

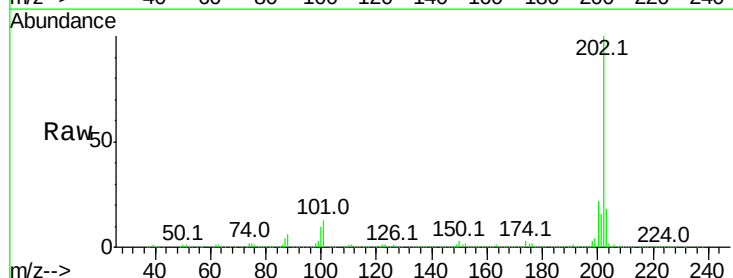
Tgt Ion:202 Resp: 3193209

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

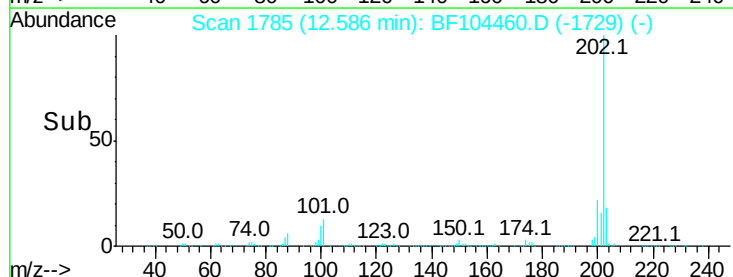
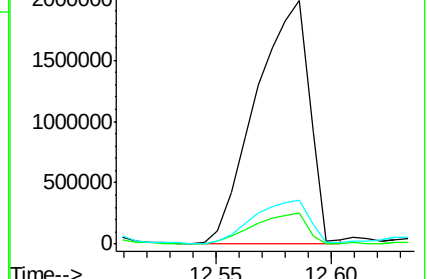
203 18.3 0.0 38.1

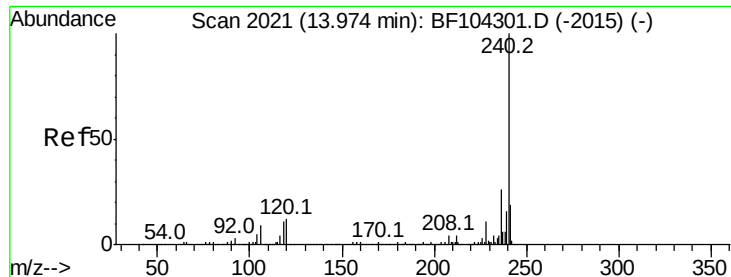


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.01 min Scan# 2027

Delta R.T. 0.02 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

Instrument :

BNA_F

ClientSampleId :

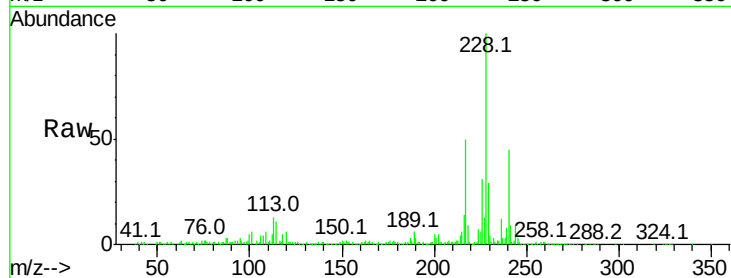
Tot Ion:240 Resp: 189663

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

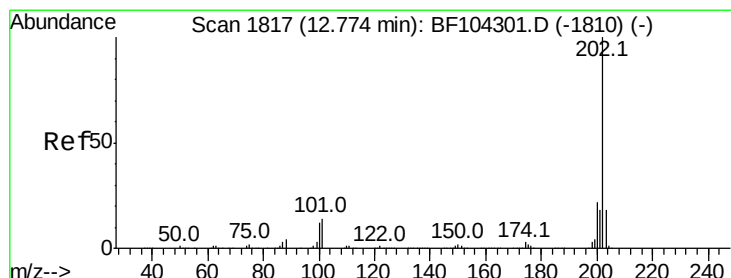
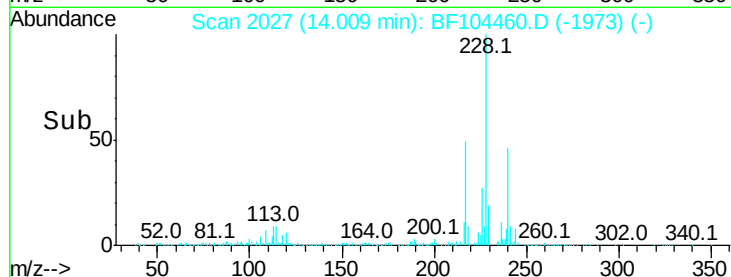
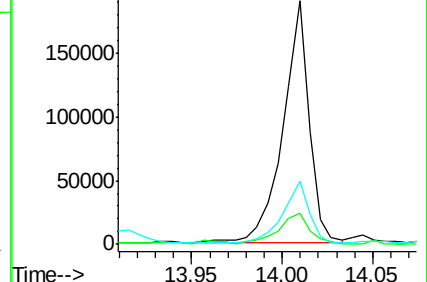
236 26.2 20.7 31.1



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: 227.138 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.20 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

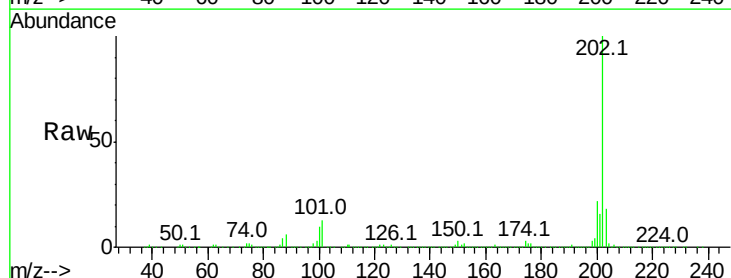
Tgt Ion:202 Resp: 3193209

Ion Ratio Lower Upper

202 100

200 22.4 17.4 26.2

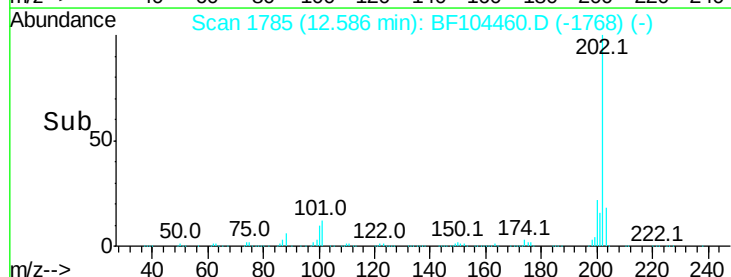
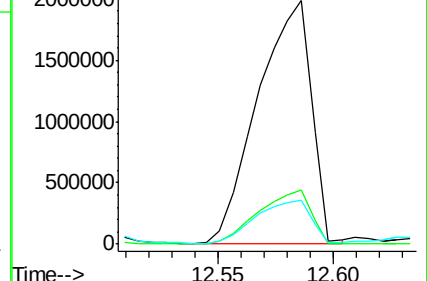
203 18.3 14.3 21.5

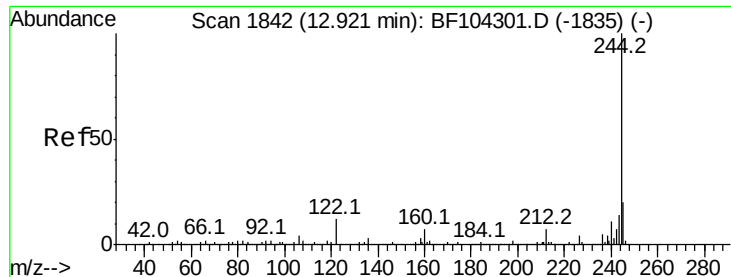


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 21.932 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

Instrument :

BNA_F

ClientSampled :

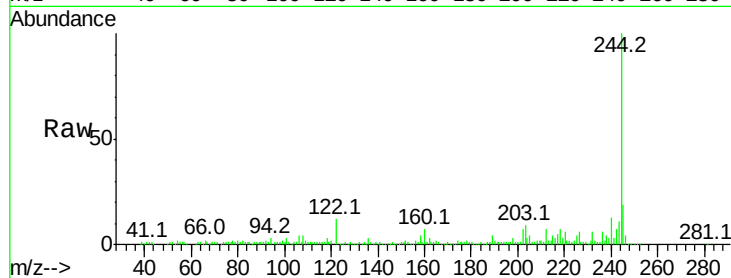
Tot Ion:244 Resp: 182459

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

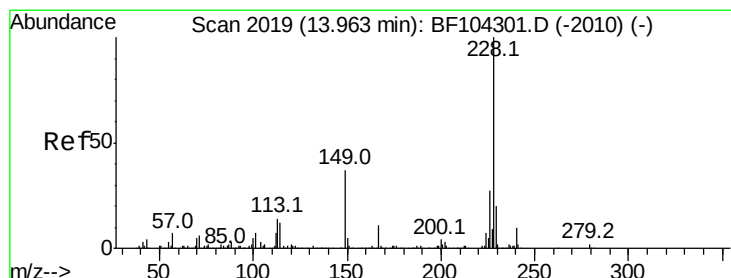
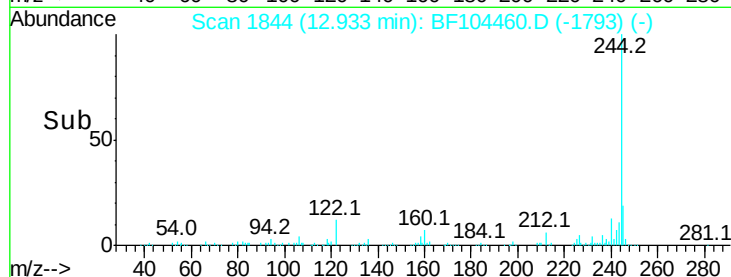
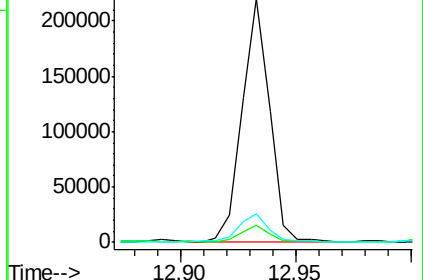
122 11.8 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 189.767 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.02 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

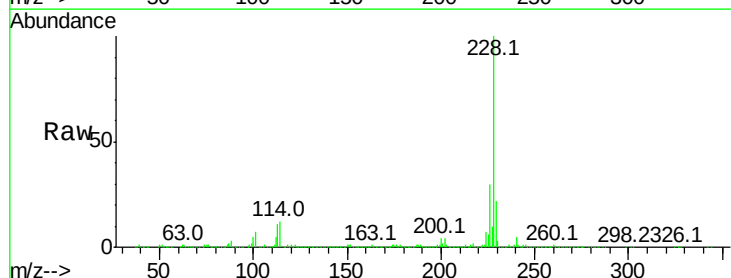
Tgt Ion:228 Resp: 2150190

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

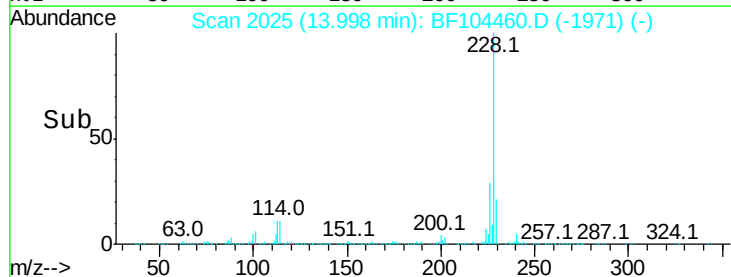
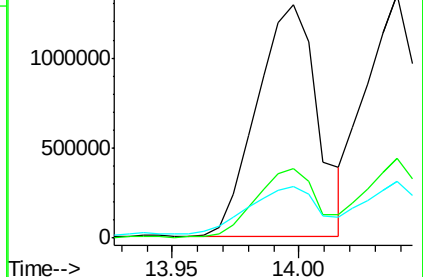
229 22.3 15.8 23.6

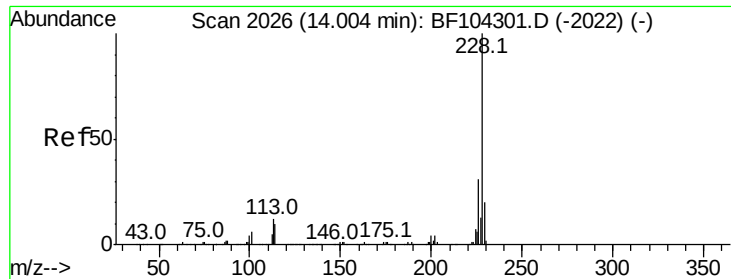


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 150.317 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.02 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

Instrument :

BNA_F

ClientSampleId :

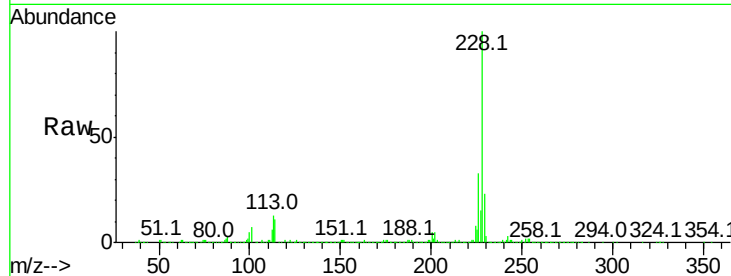
Tot Ion:228 Resp: 1749442

Ion Ratio Lower Upper

228 100

226 32.7 25.0 37.6

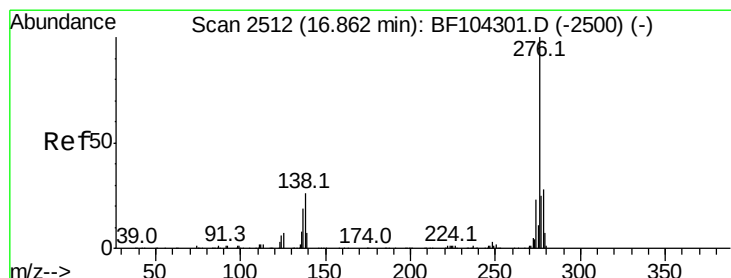
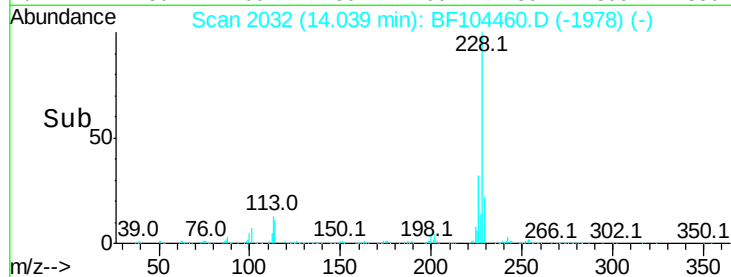
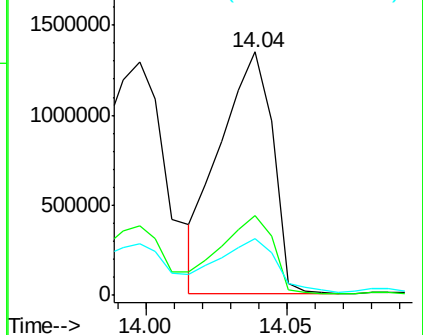
229 23.2 16.2 24.4



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: 12.430 ng

RT: 16.77 min Scan# 2497

Delta R.T. -0.14 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

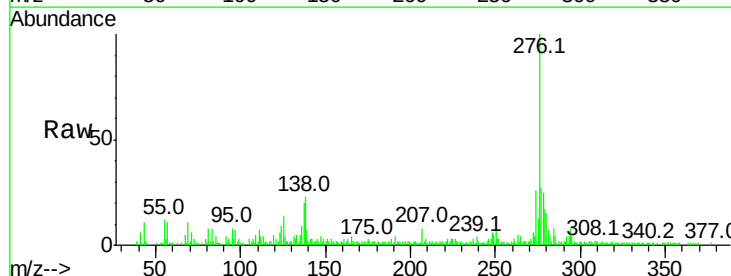
Tgt Ion:276 Resp: 122895

Ion Ratio Lower Upper

276 100

138 26.9 25.0 37.6

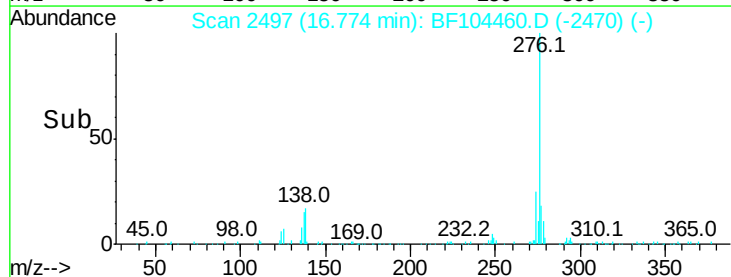
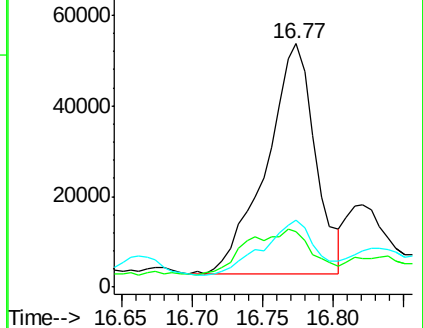
277 24.6 20.1 30.1

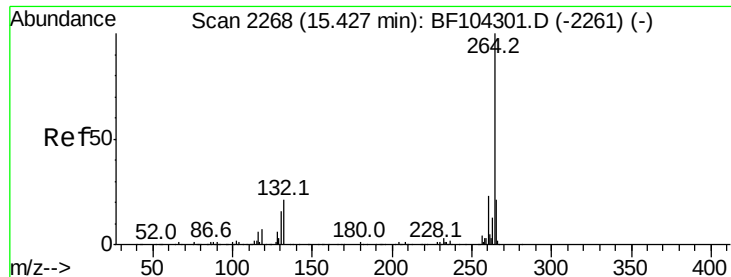


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



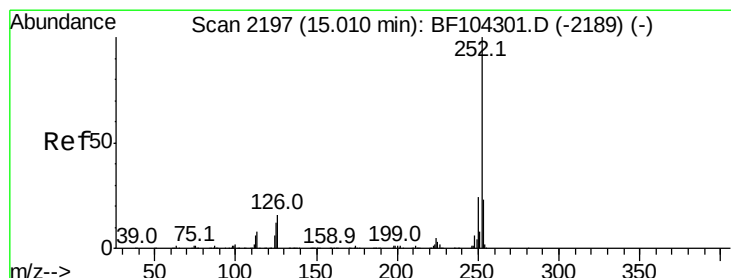
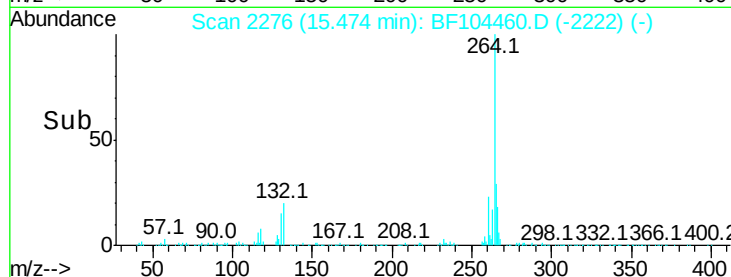
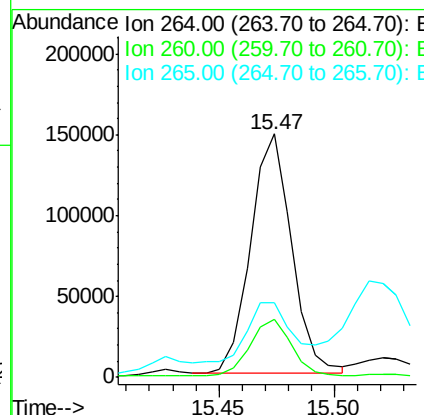
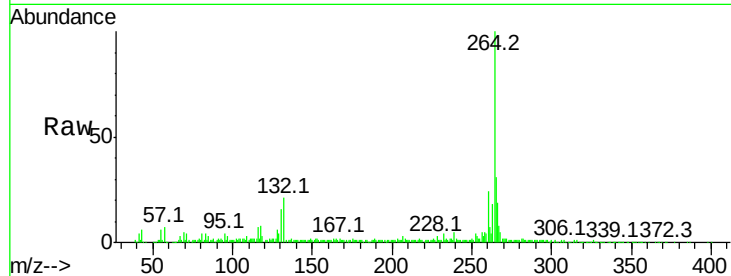


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.02 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 182579

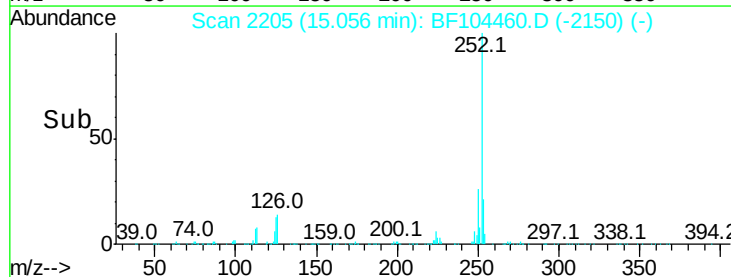
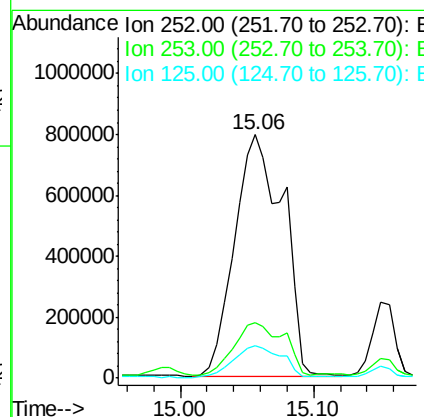
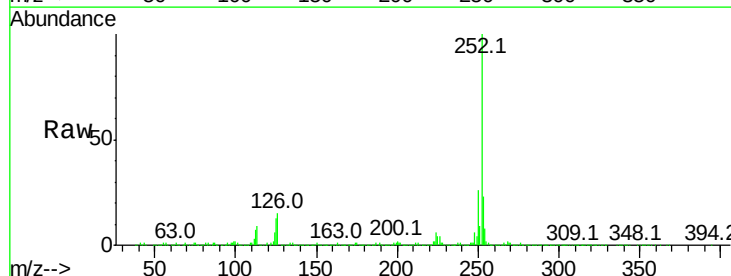
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	30.5	17.5	26.3#

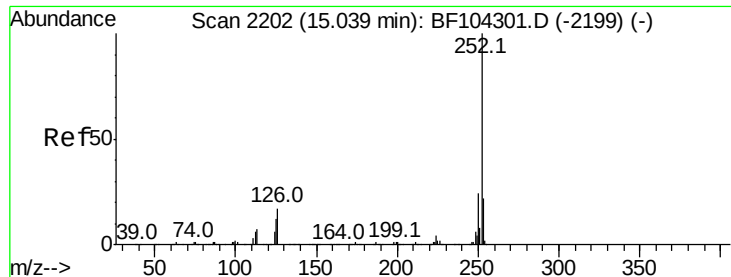


#87
Benzo(b)fluoranthene
Concen: 174.418 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

Tgt Ion:252 Resp: 2011276

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	13.4	9.0	13.6

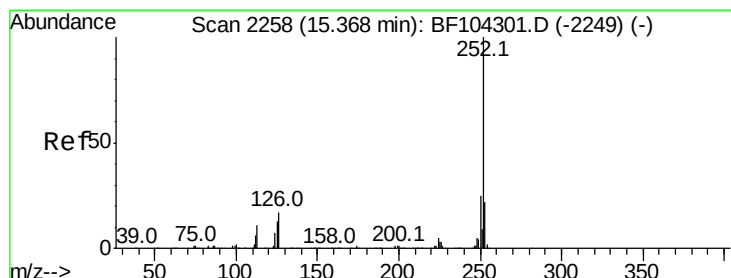
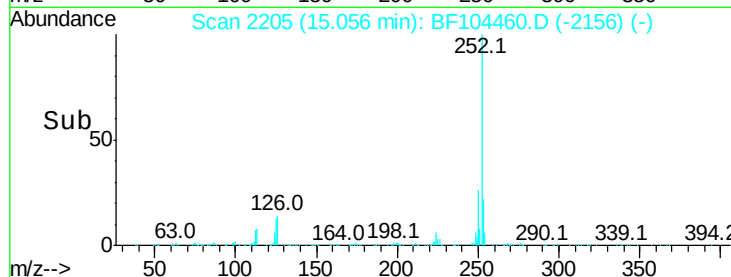
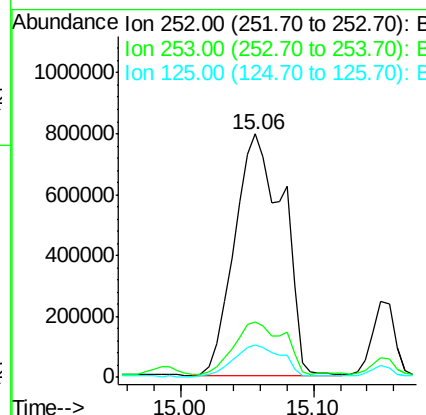
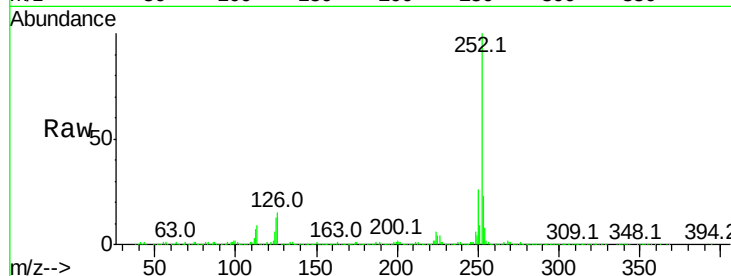




#88
Benzo(k)fluoranthene
Concen: 184.747 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

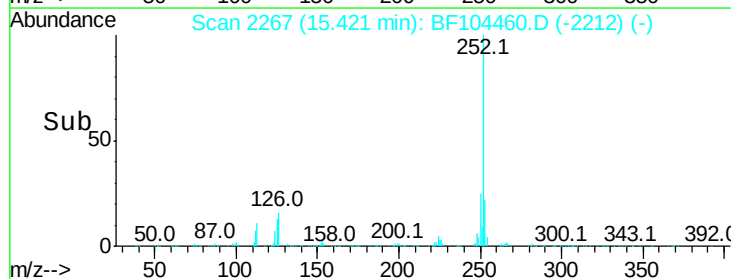
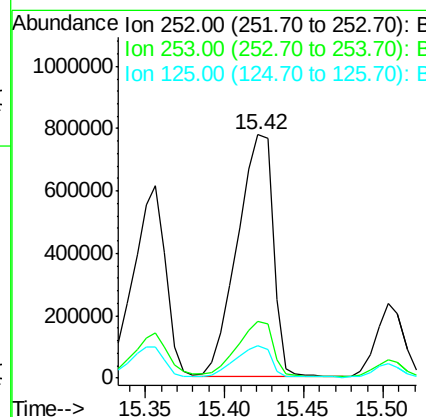
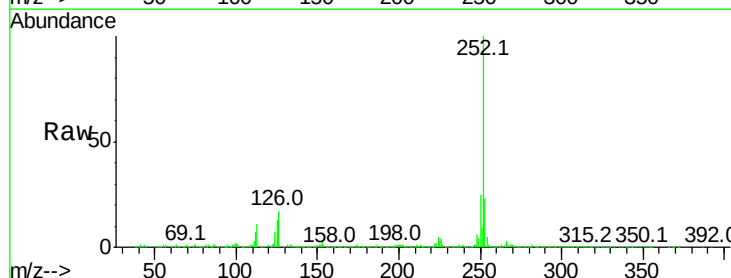
Instrument :
BNA_F
ClientSampleId :

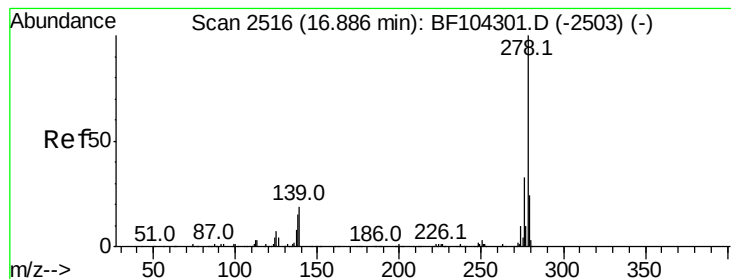
Tot Ion:252 Resp: 2011276
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 13.4 10.2 15.2



#89
Benzo(a)pyrene
Concen: 118.623 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.02 min
Lab File: BF104460.D
Acq: 12 Apr 2018 19:23

Tgt Ion:252 Resp: 1223921
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 13.4 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 19.253 ng

RT: 17.11 min Scan# 2554

Delta R.T. 0.18 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

Instrument :

BNA_F

ClientSampleId :

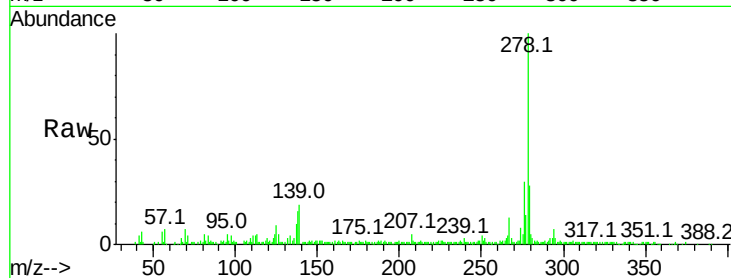
Tot Ion:278 Resp: 163150

Ion Ratio Lower Upper

278 100

139 19.3 15.9 23.9

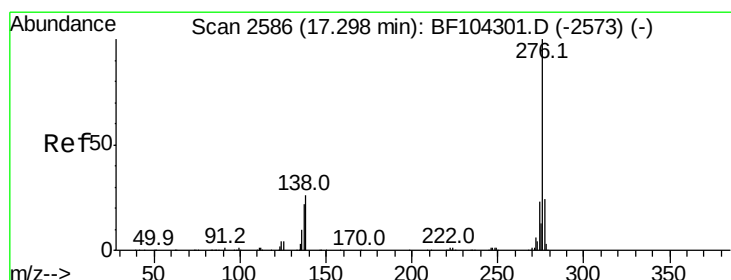
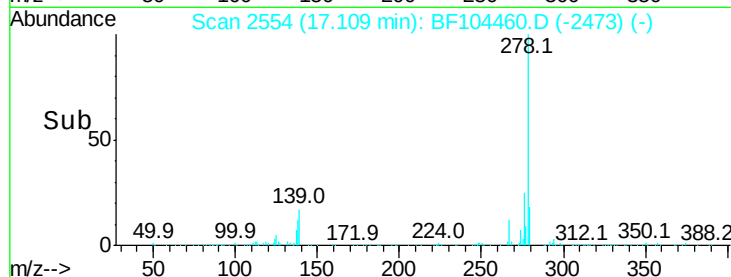
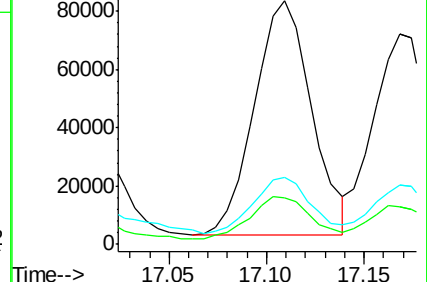
279 27.5 19.0 28.4



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: 74.741 ng

RT: 17.40 min Scan# 2603

Delta R.T. 0.04 min

Lab File: BF104460.D

Acq: 12 Apr 2018 19:23

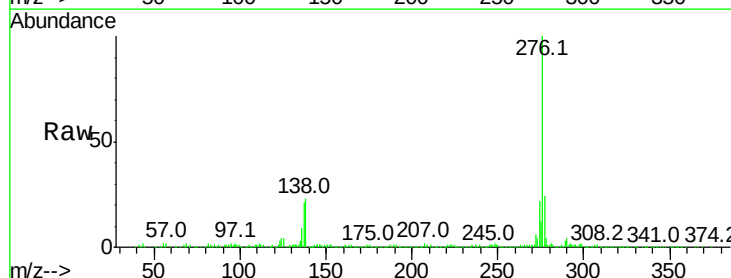
Tgt Ion:276 Resp: 613614

Ion Ratio Lower Upper

276 100

277 23.9 17.9 26.9

138 22.8 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

