

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100518\
 Data File : BF109631.D
 Acq On : 6 Oct 2018 1:45
 Operator : JU/SJ
 Sample : J5263-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID11-COMP-100318

Quant Time: Oct 06 05:59:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	86815	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	338479	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	136509	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	220662	20.00	ng	0.00
75) Chrysene-d12	13.84	240	210964	20.00	ng	0.00
86) Perylene-d12	15.24	264	174031	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	151000	28.65	ng	0.00
7) Phenol-d6	6.35	99	309389	46.00	ng	-0.01
23) Nitrobenzene-d5	7.26	82	198199	34.57	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	109451	81.33	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	397662	43.93	ng	-0.02
78) Terphenyl-d14	12.79	244	404795	47.09	ng	-0.02

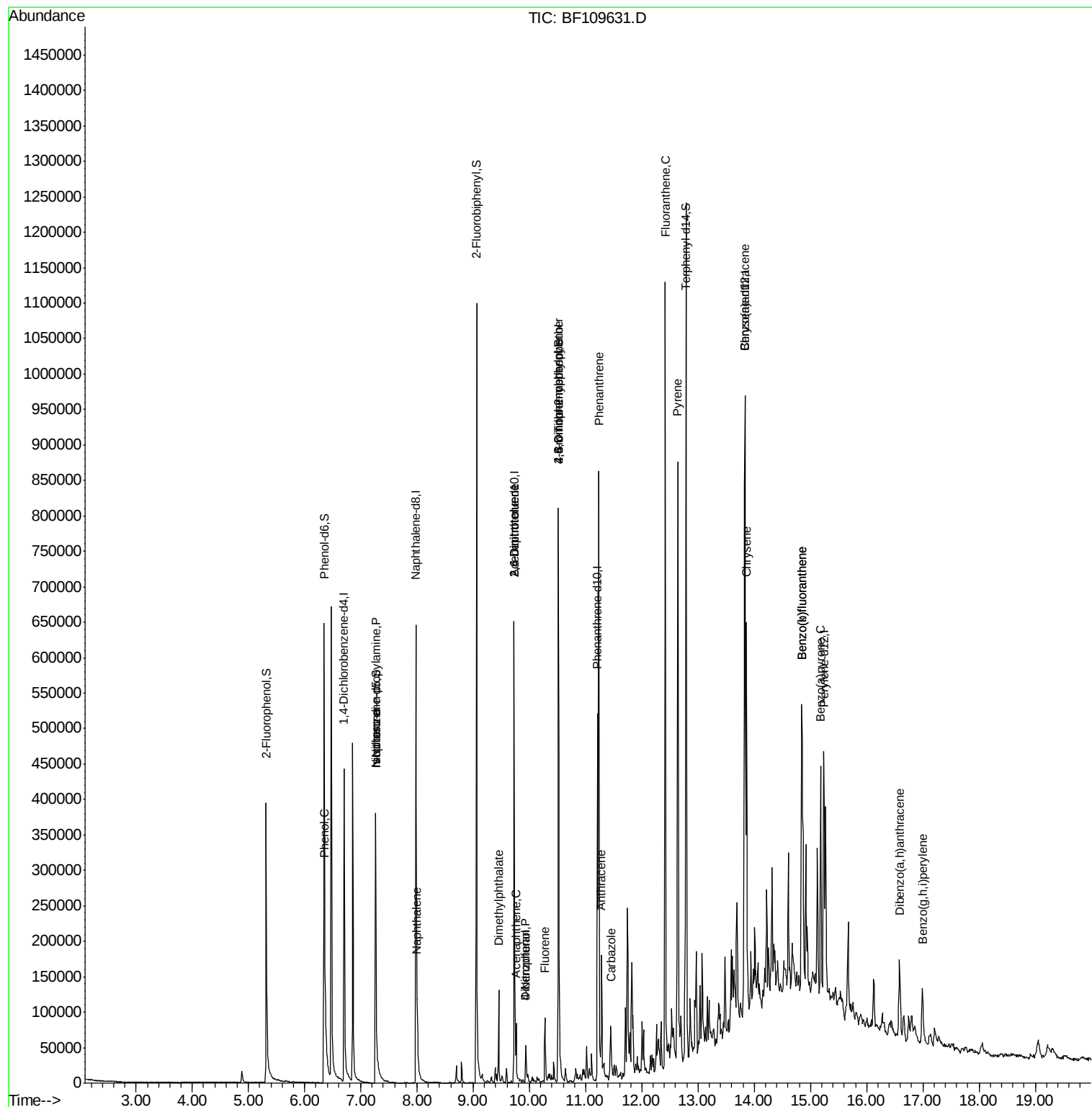
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.36	94	15785	2.072	ng	# 66
19) n-Nitroso-di-n-propylamine	7.26	70	25567	5.801	ng	# 77
25) Isophorone	7.26	82	189338	18.337	ng	# 64
31) Naphthalene	8.00	128	43564	2.754	ng	# 99
49) Dimethylphthalate	9.45	163	60688	6.112	ng	# 99
50) 2,6-Dinitrotoluene	9.73	165	17759	9.031	ng	# 25
51) Acenaphthene	9.76	154	18166	2.242	ng	# 96
54) Dibenzofuran	9.94	168	27068	2.246	ng	# 96
55) 4-Nitrophenol	9.94	139	10633	6.198	ng	# 9
56) 2,4-Dinitrotoluene	9.73	165	17759	7.138	ng	# 23
57) Fluorene	10.27	166	31770	3.694	ng	# 97
64) 4,6-Dinitro-2-methylphenol	10.52	198	107	6.624	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	6210	2.534	ng	# 1
70) Phenanthrene	11.23	178	339893	30.850	ng	# 99
71) Anthracene	11.29	178	97474	8.723	ng	# 99
72) Carbazole	11.45	167	41275	3.712	ng	# 97
74) Fluoranthene	12.42	202	462077	39.245	ng	# 96
77) Pyrene	12.64	202	397973	26.322	ng	# 99
80) Benzo(a)anthracene	13.83	228	252422	19.865	ng	# 97
82) Chrysene	13.86	228	206696	16.412	ng	# 96
87) Benzo(b)fluoranthene	14.84	252	294499	30.796	ng	# 97
88) Benzo(k)fluoranthene	14.84	252	294499	32.454	ng	# 98
89) Benzo(a)pyrene	15.18	252	151540	17.586	ng	# 97
90) Dibenzo(a,h)anthracene	16.59	278	20361	2.880	ng	# 91
91) Benzo(g,h,i)perylene	16.99	276	68249	9.823	ng	# 90

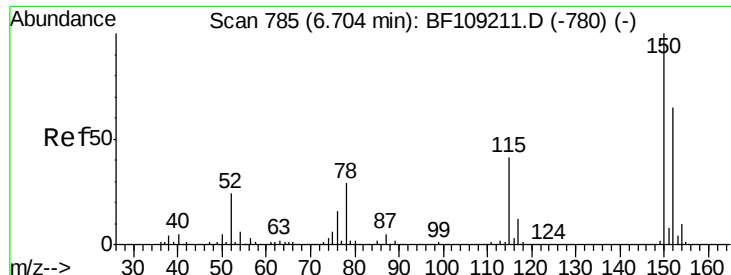
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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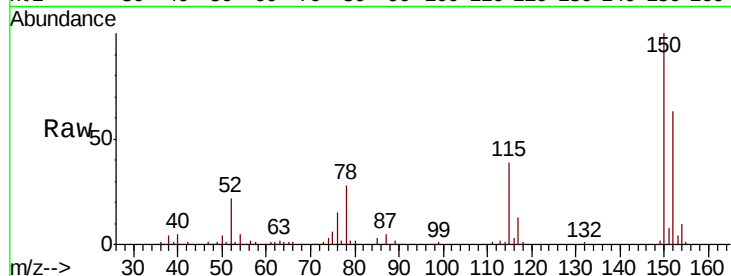




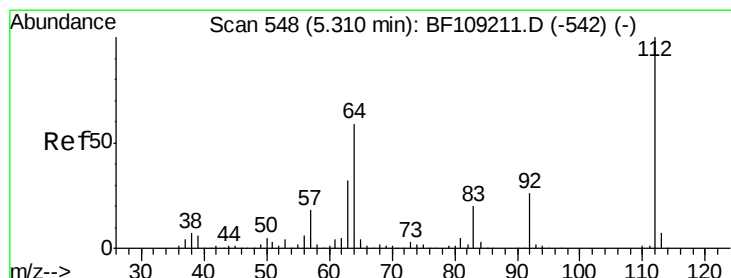
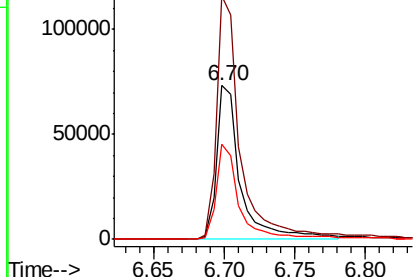
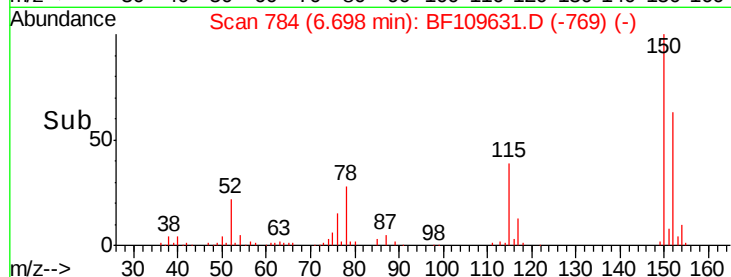
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF109631.D
 Acq: 6 Oct 2018 1:45

Instrument :
 BNA_F
 ClientSampleId :
 GRID11-COMP-100318

Tgt Ion:152 Resp: 86815
 Ion Ratio Lower Upper
 152 100
 150 158.7 124.6 186.8
 115 62.3 50.1 75.1

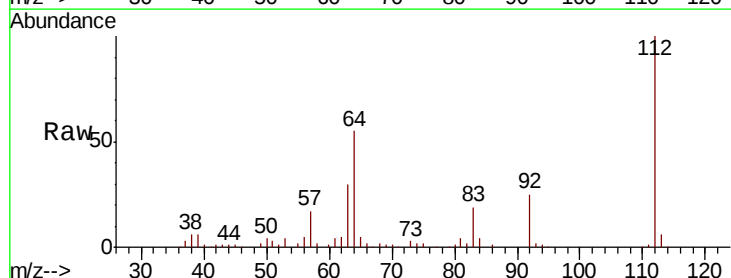


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

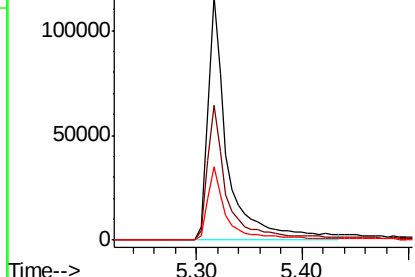
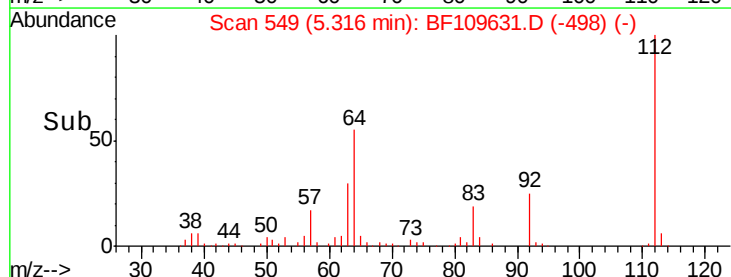


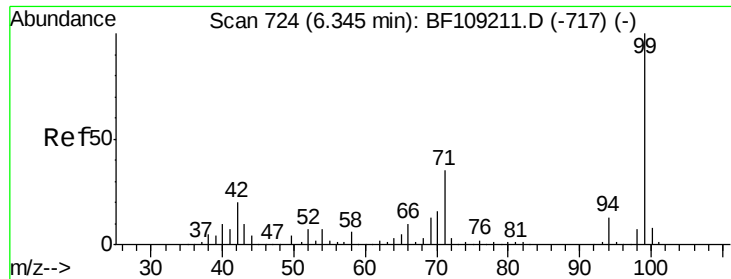
#5
 2-Fluorophenol
 Concen: 28.648 ng
 RT: 5.32 min Scan# 549
 Delta R.T. 0.00 min
 Lab File: BF109631.D
 Acq: 6 Oct 2018 1:45

Tgt Ion:112 Resp: 151000
 Ion Ratio Lower Upper
 112 100
 64 55.5 47.9 71.9
 63 29.9 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: 46.000 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

GRID11-COMP-100318

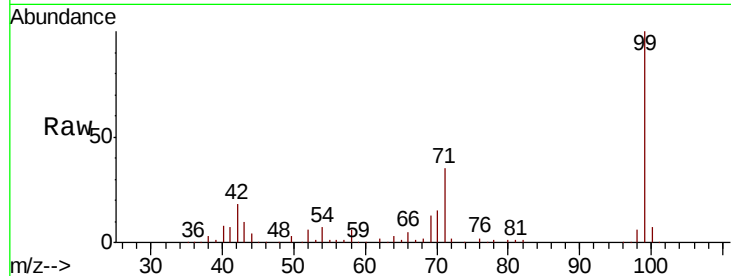
Tgt Ion: 99 Resp: 309389

Ion Ratio Lower Upper

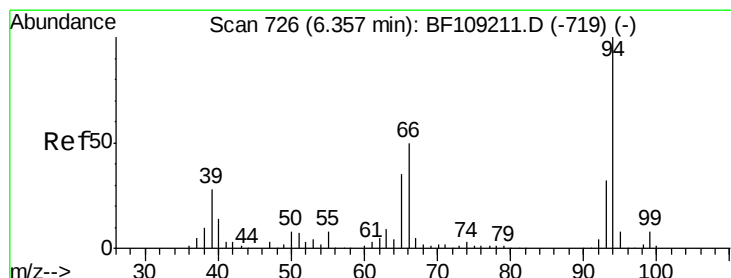
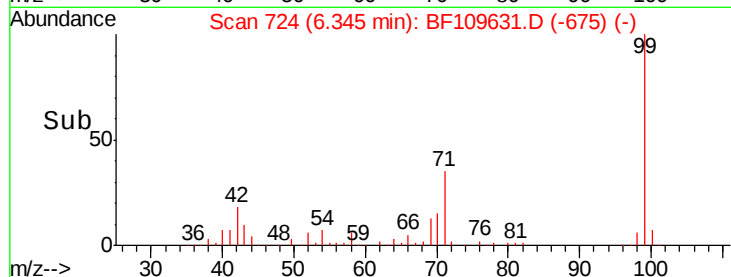
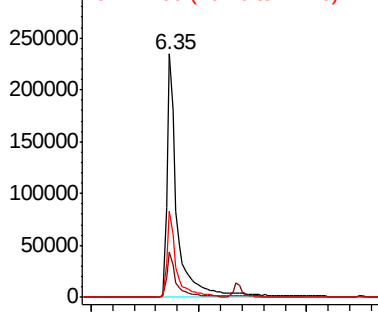
99 100

42 18.3 14.5 21.7

71 35.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.072 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

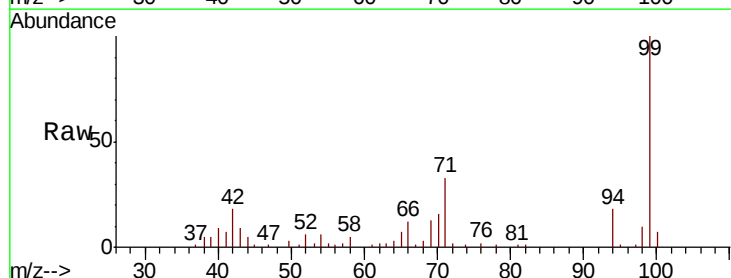
Tgt Ion: 94 Resp: 15785

Ion Ratio Lower Upper

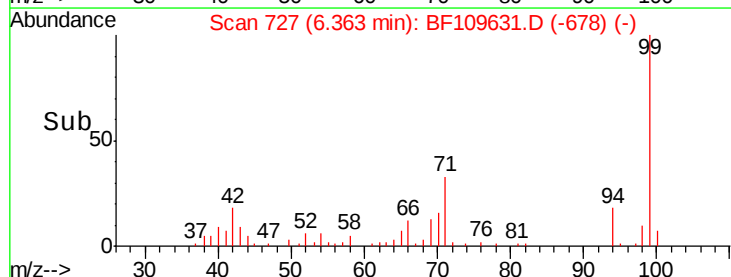
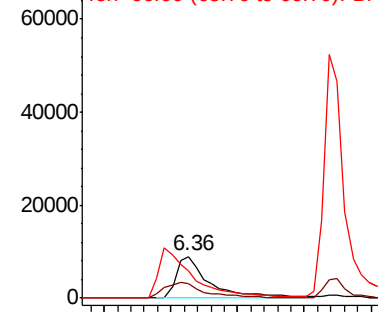
94 100

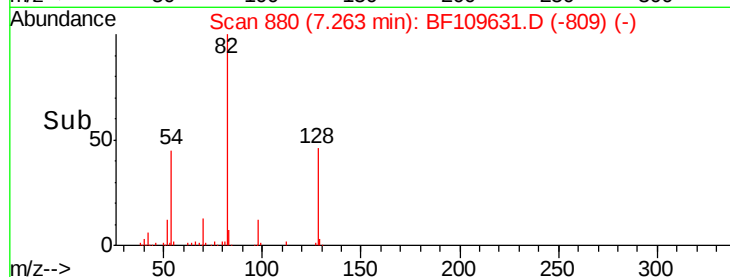
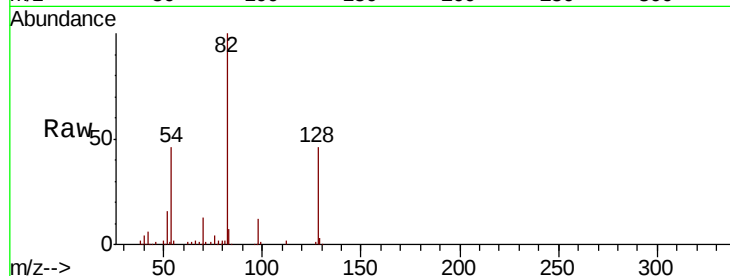
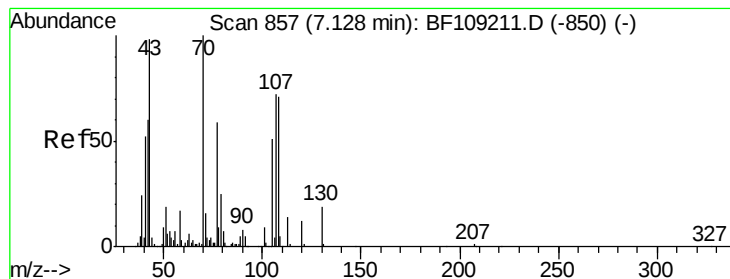
65 35.8 7.9 47.9

66 64.5 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 5.801 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

GRID11-COMP-100318

Tgt Ion: 70 Resp: 25567

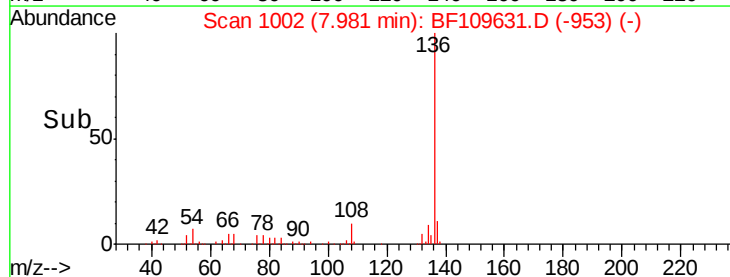
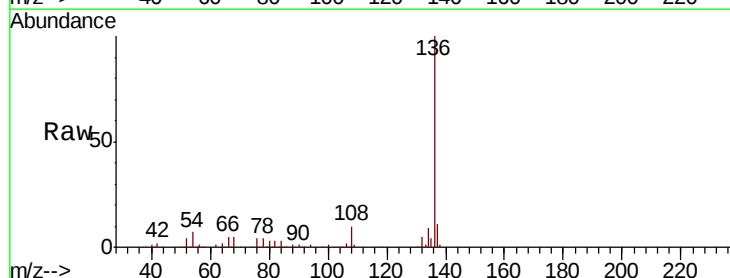
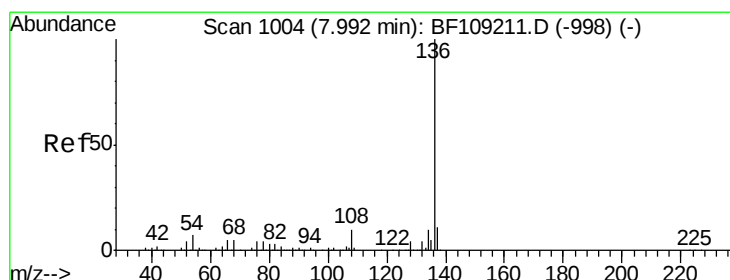
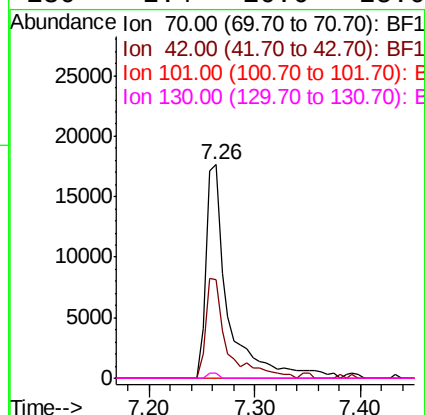
Ion Ratio Lower Upper

70 100

42 46.1 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: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Tgt Ion: 136 Resp: 338479

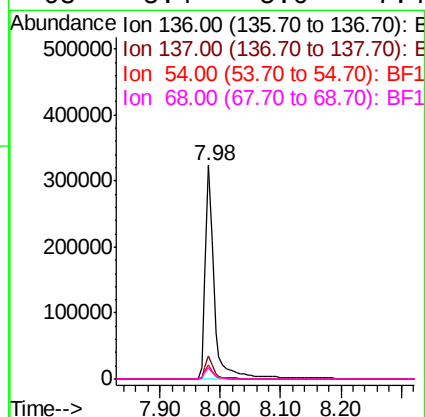
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.9 6.6 9.8

68 5.4 5.0 7.4

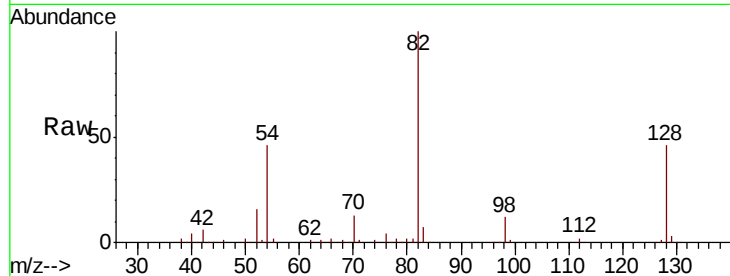




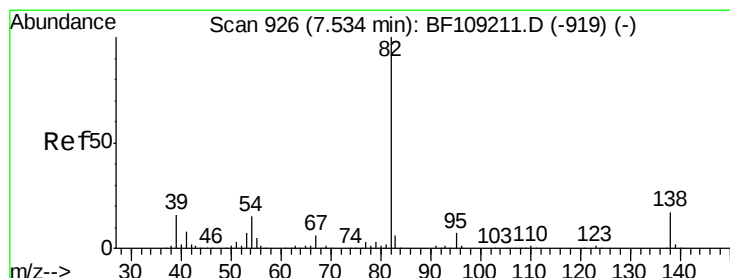
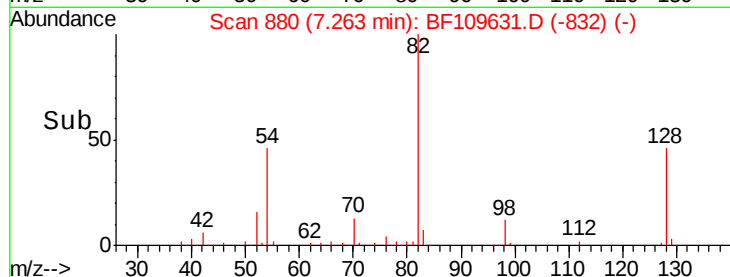
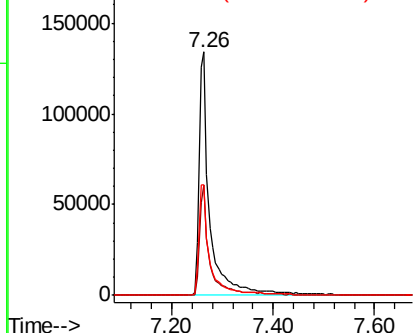
#23
Nitrobenzene-d5
Concen: 34.566 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Instrument :
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Tgt Ion: 82 Resp: 198199
Ion Ratio Lower Upper
82 100
128 45.6 36.1 54.1
54 45.5 41.4 62.2

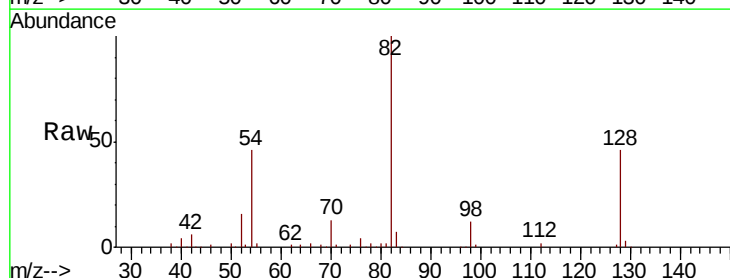


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

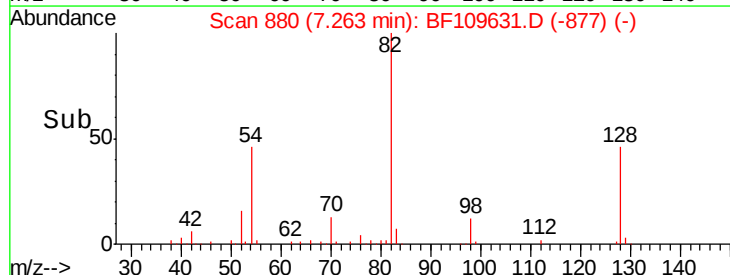
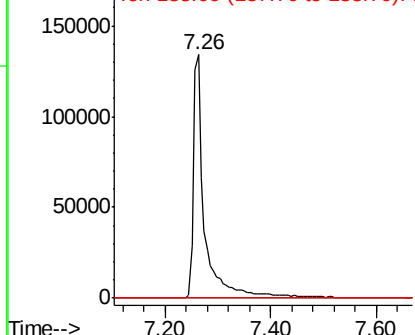


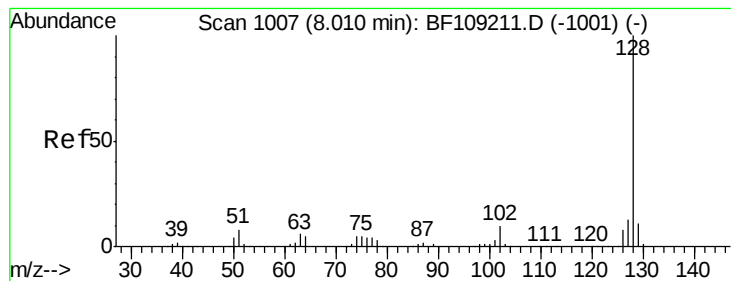
#25
Isophorone
Concen: 18.337 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Tgt Ion: 82 Resp: 189338
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: 2.754 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Instrument :

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ClientSampleId :

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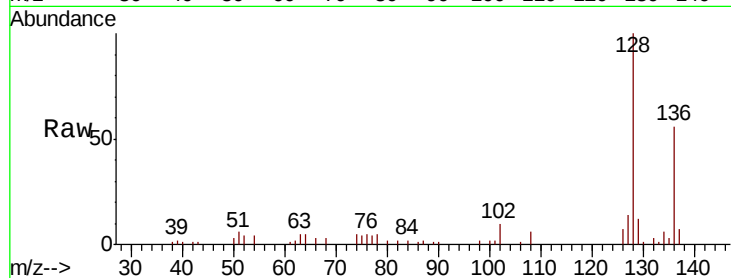
Tgt Ion:128 Resp: 43564

Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

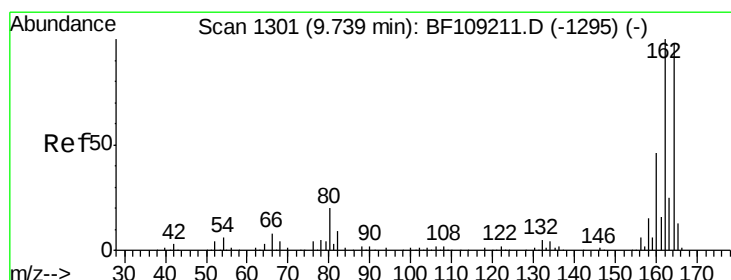
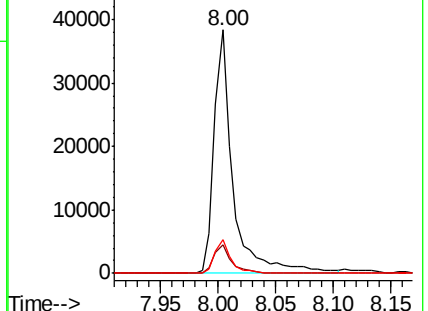
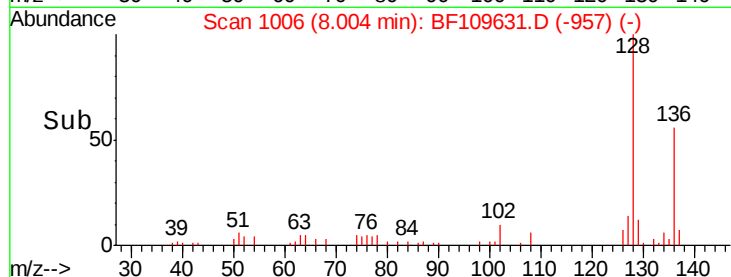
127 13.6 10.9 16.3



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

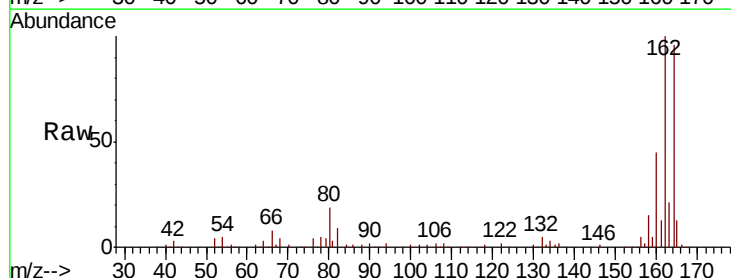
Tgt Ion:164 Resp: 136509

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

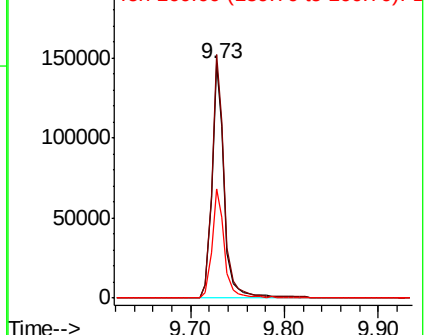
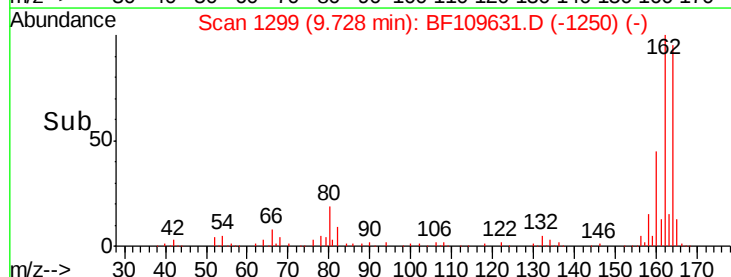
160 46.4 38.3 57.5

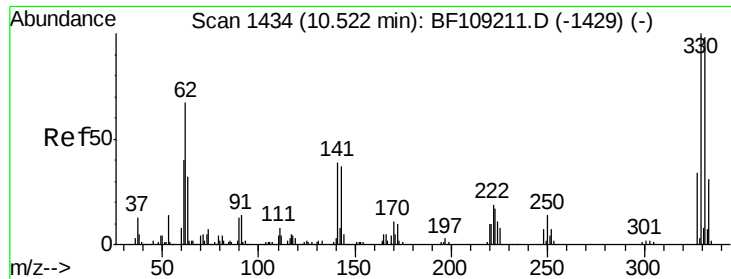


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

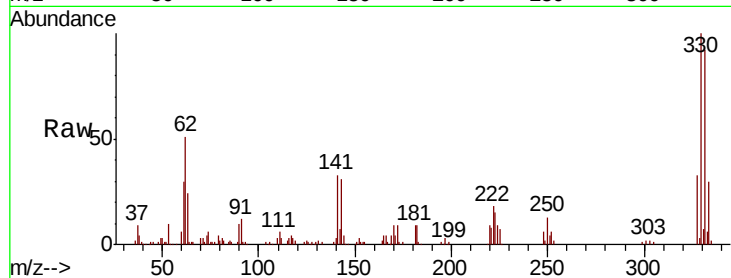




#41
 2,4,6-Tribromophenol
 Concen: 81.334 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109631.D
 Acq: 6 Oct 2018 1:45

Instrument :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	34.6	29.9	44.9

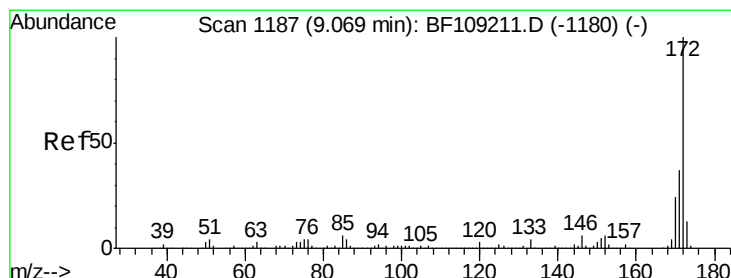
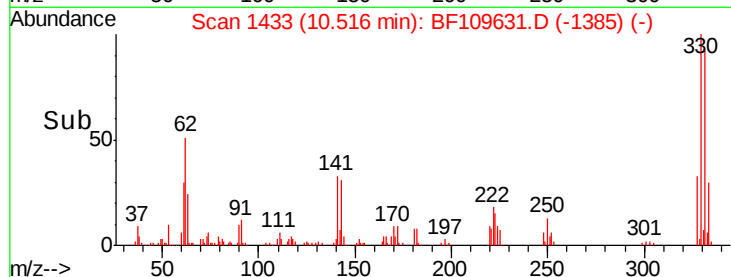
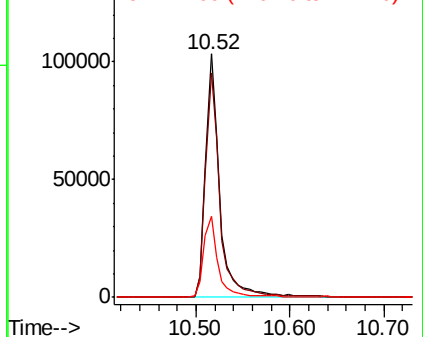


Abundance

Ion 329.80 (329.50 to 330.50): E

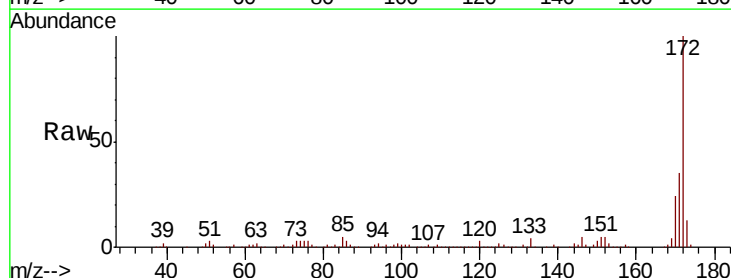
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 43.935 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109631.D
 Acq: 6 Oct 2018 1:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	23.5	19.6	29.4

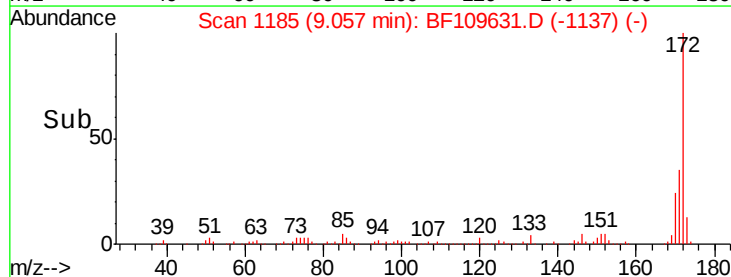
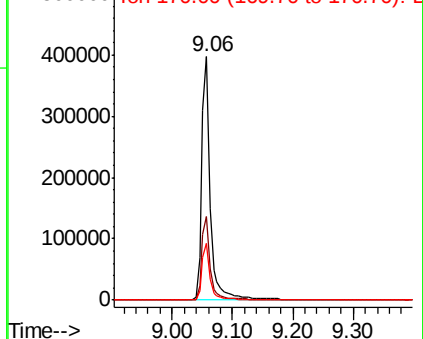


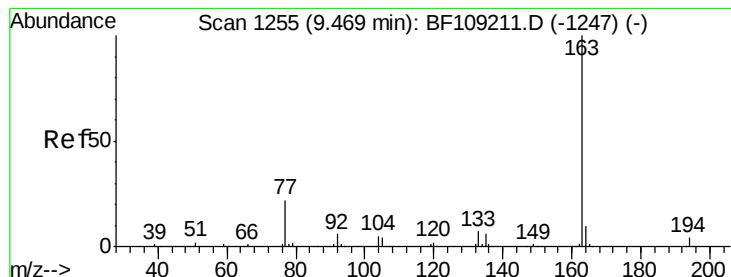
Abundance

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





#49

Dimethylphthalate

Concen: 6.112 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.03 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Instrument :

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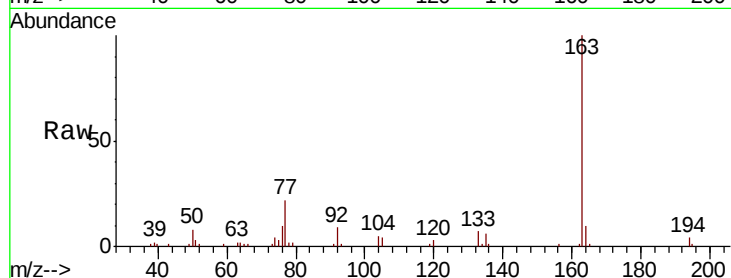
Tgt Ion:163 Resp: 60688

Ion Ratio Lower Upper

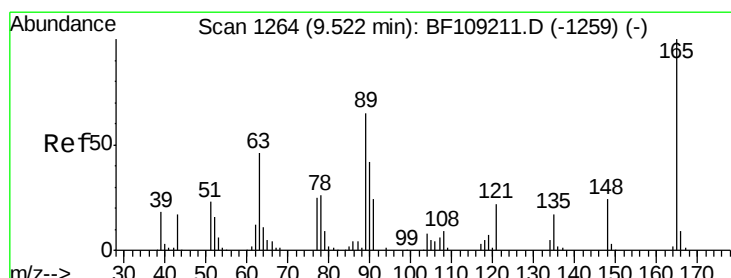
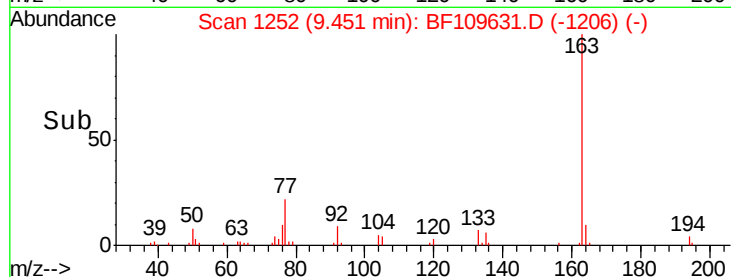
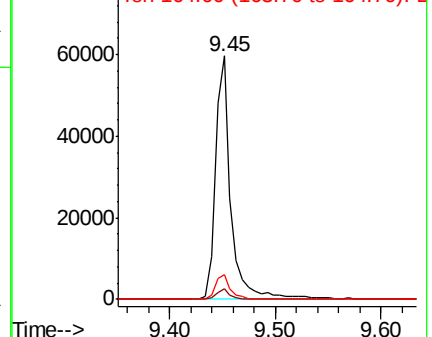
163 100

194 4.2 2.7 4.1#

164 9.9 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 9.031 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.19 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

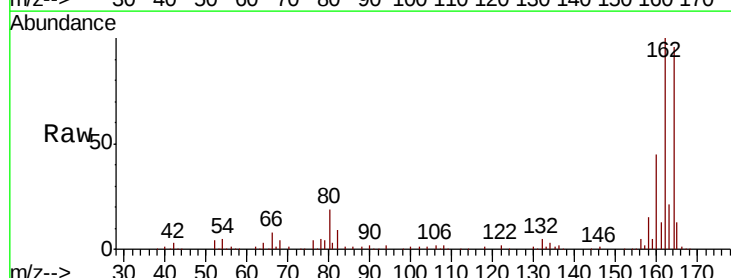
Tgt Ion:165 Resp: 17759

Ion Ratio Lower Upper

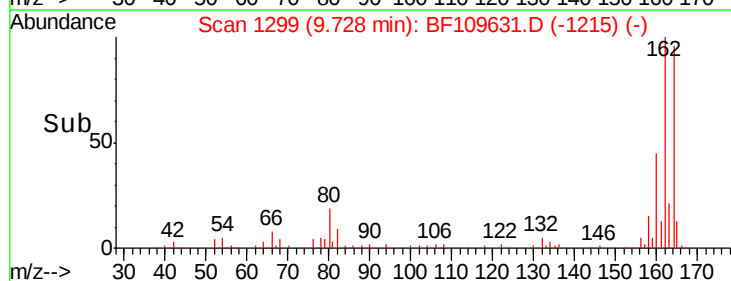
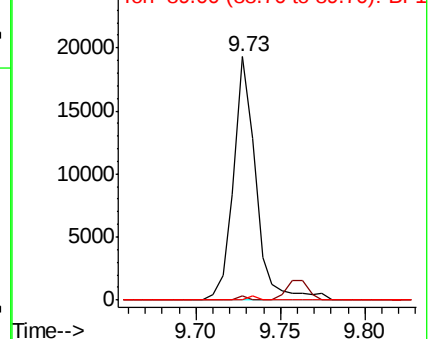
165 100

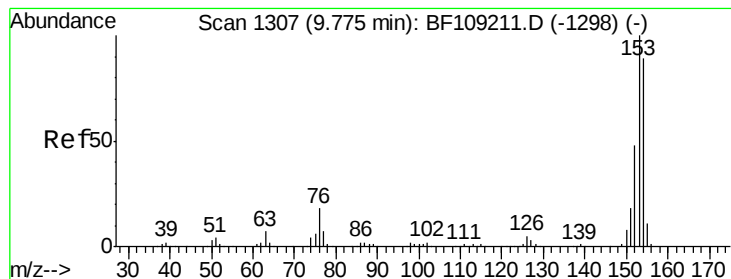
63 1.9 44.7 67.1#

89 0.0 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: 2.242 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.02 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

GRID11-COMP-100318

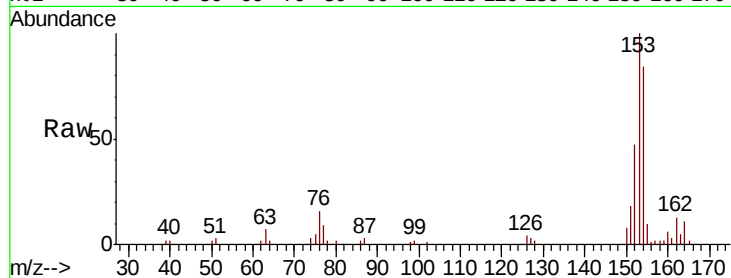
Tgt Ion:154 Resp: 18166

Ion Ratio Lower Upper

154 100

153 119.6 91.2 136.8

152 56.3 43.8 65.8

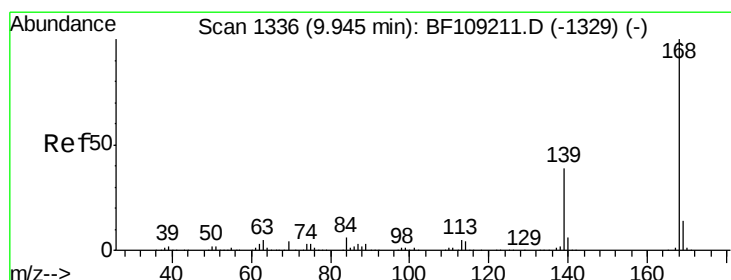
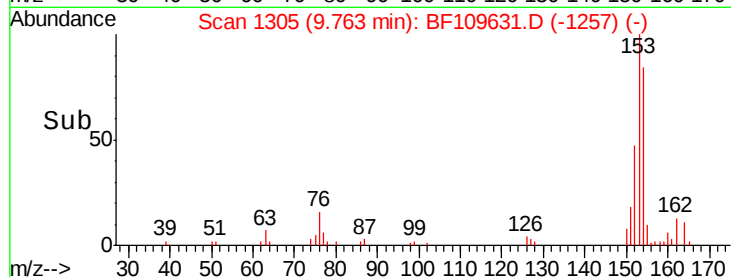
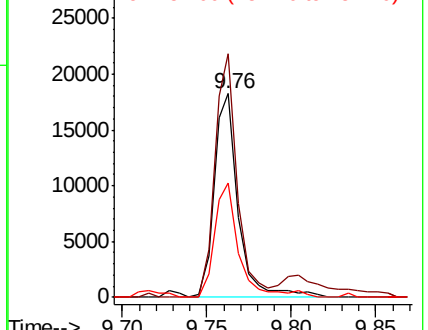


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.246 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

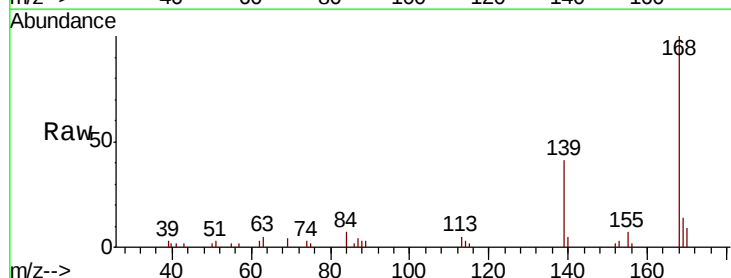
Tgt Ion:168 Resp: 27068

Ion Ratio Lower Upper

168 100

139 41.1 30.1 45.1

169 13.7 10.9 16.3

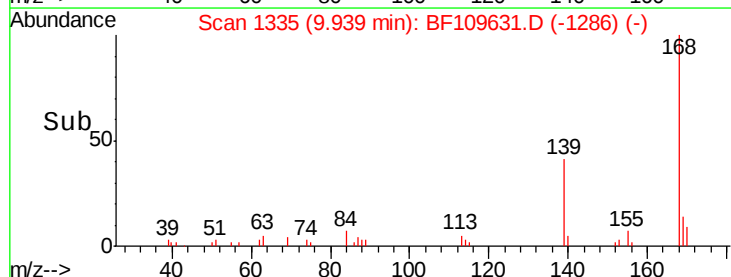
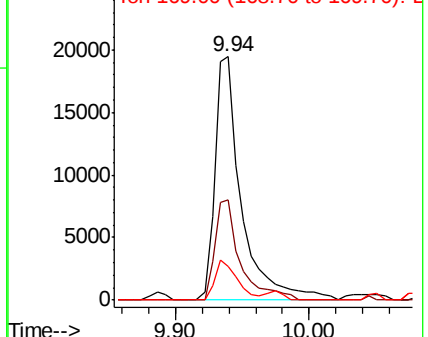


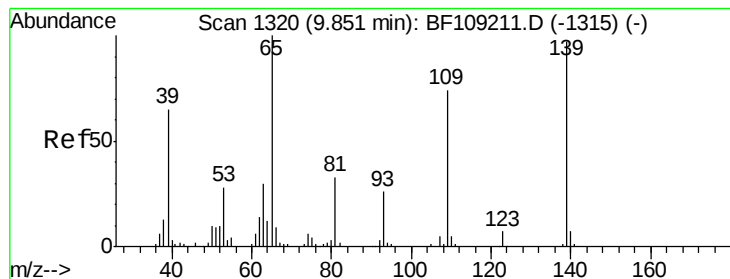
Abundance

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: 6.198 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.08 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

GRID11-COMP-100318

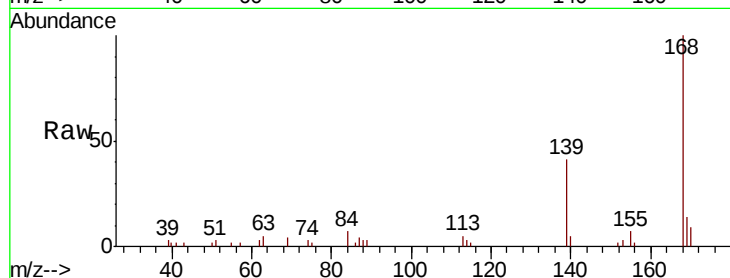
Tgt Ion:139 Resp: 10633

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

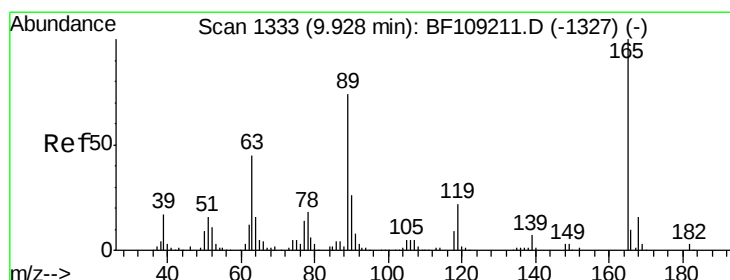
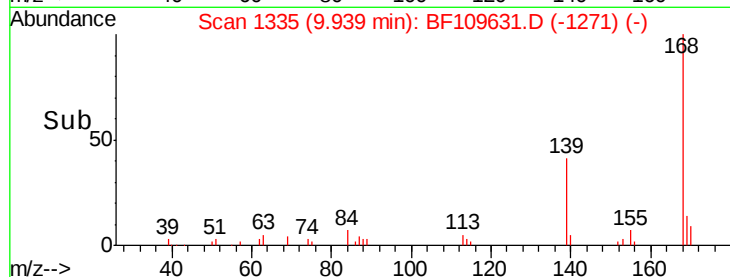
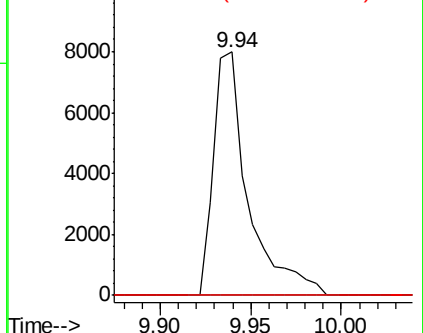
65 0.0 72.6 112.6#



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: 7.138 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.21 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Tgt Ion:165 Resp: 17759

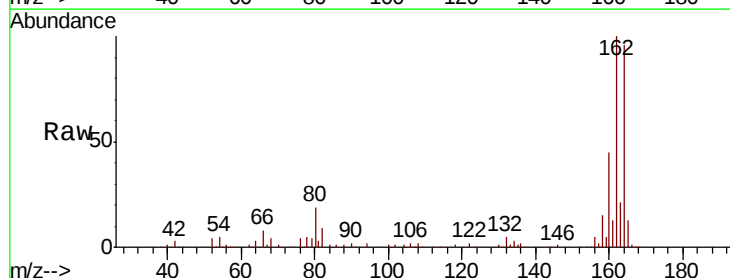
Ion Ratio Lower Upper

165 100

63 1.9 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

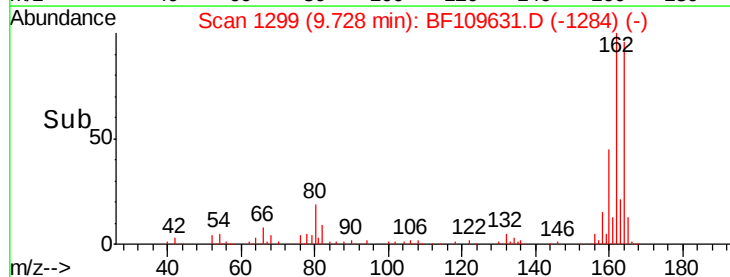
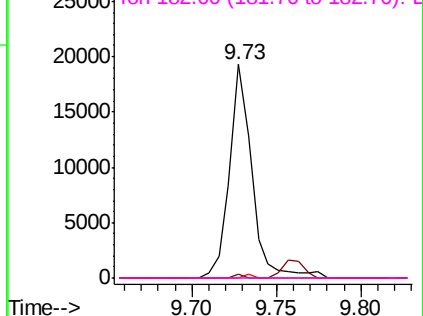


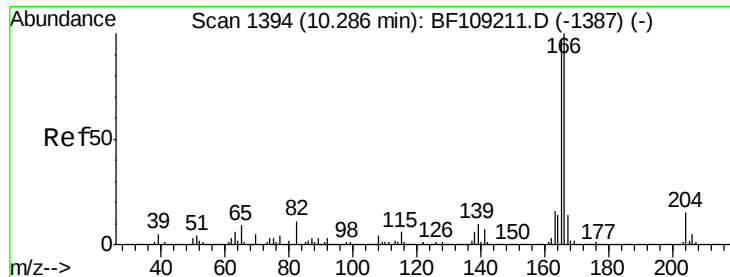
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 3.694 ng

RT: 10.27 min Scan# 1392

Delta R.T. -0.02 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

GRID11-COMP-100318

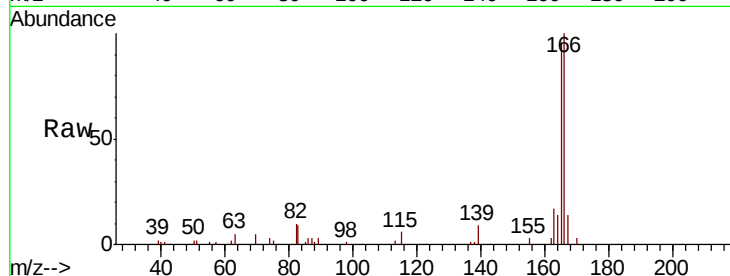
Tgt Ion:166 Resp: 31770

Ion Ratio Lower Upper

166 100

165 96.2 79.8 119.8

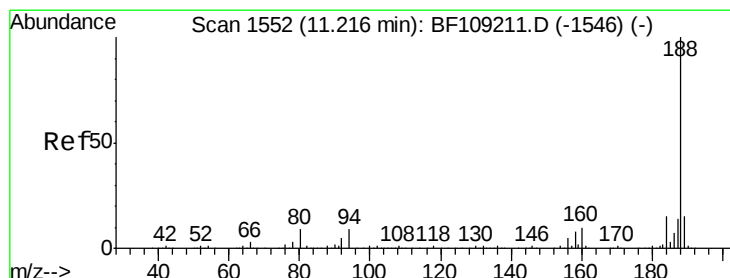
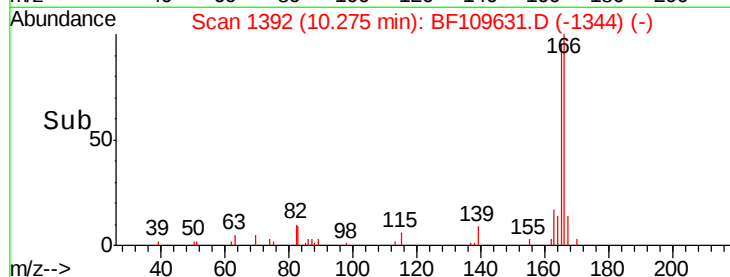
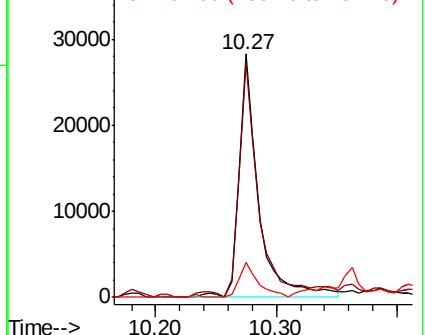
167 14.2 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

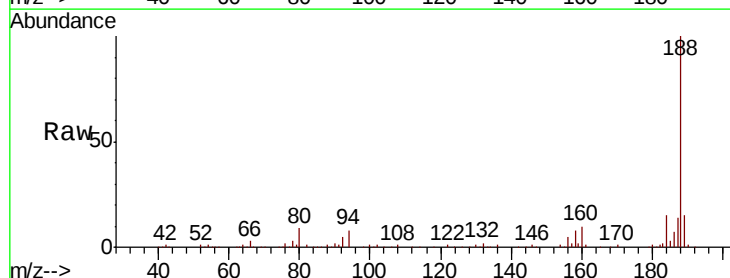
Tgt Ion:188 Resp: 220662

Ion Ratio Lower Upper

188 100

94 8.2 8.5 12.7#

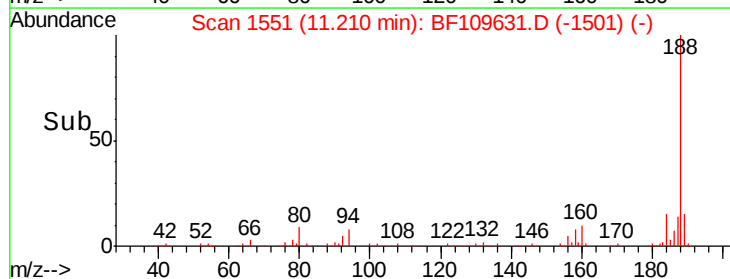
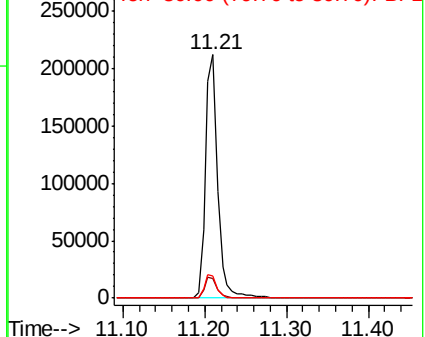
80 9.2 9.2 13.8#

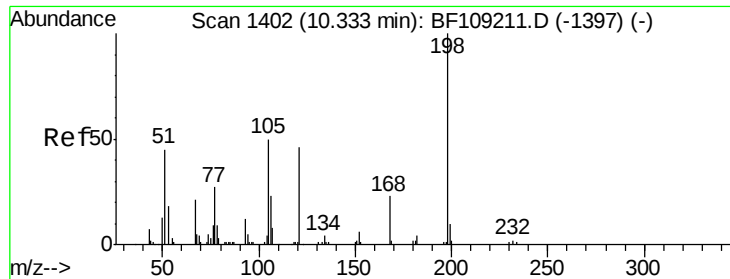


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

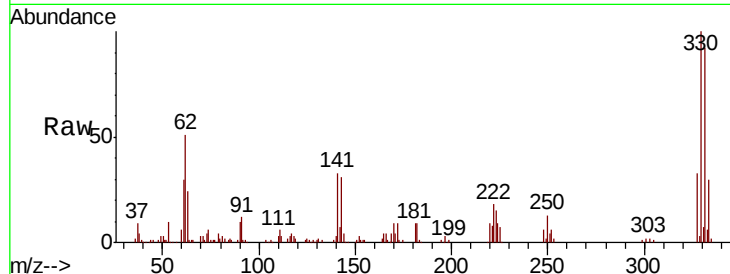




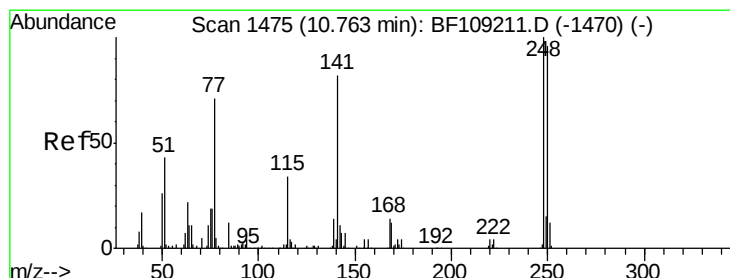
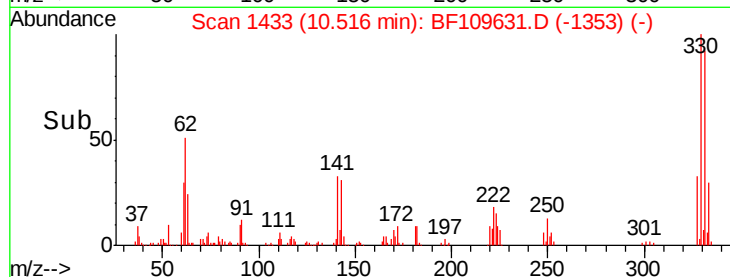
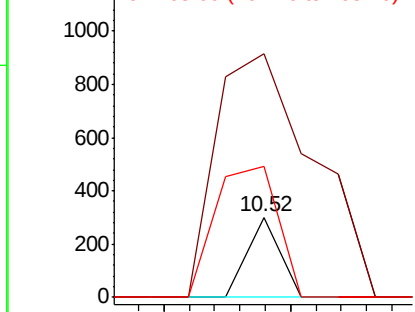
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.624 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.17 min
 Lab File: BF109631.D
 Acq: 6 Oct 2018 1:45

Instrument :
 BNA_F
 ClientSampleId :
 GRID11-COMP-100318

Tgt Ion:198 Resp: 107
 Ion Ratio Lower Upper
 198 100
 51 302.6 37.7 77.7#
 105 162.6 36.3 76.3#

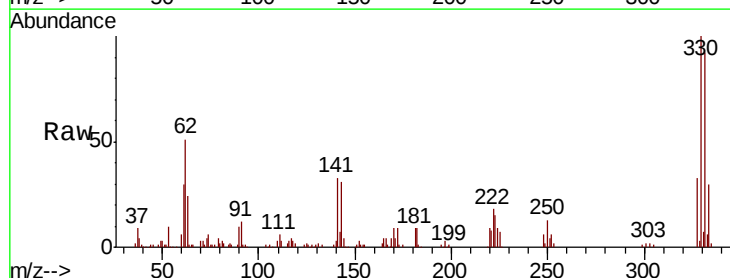


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

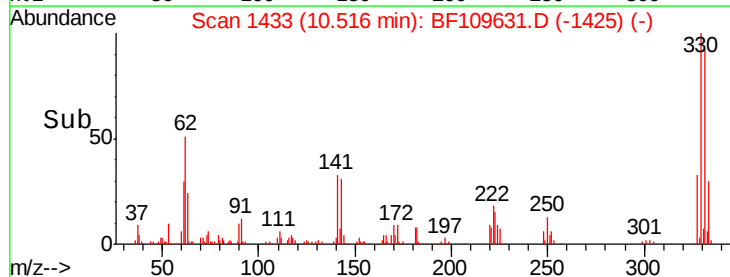
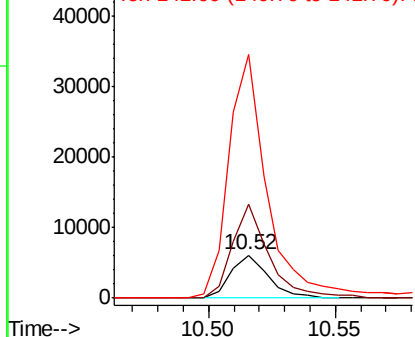


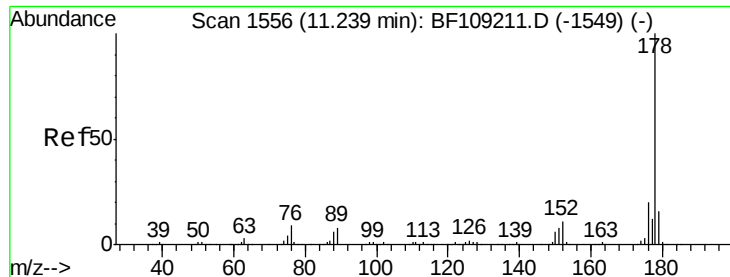
#66
 4-Bromophenyl-phenylether
 Concen: 2.534 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF109631.D
 Acq: 6 Oct 2018 1:45

Tgt Ion:248 Resp: 6210
 Ion Ratio Lower Upper
 248 100
 250 219.6 76.9 115.3#
 141 567.9 74.4 111.6#



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

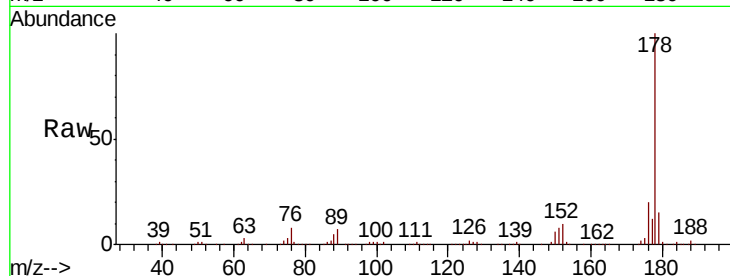




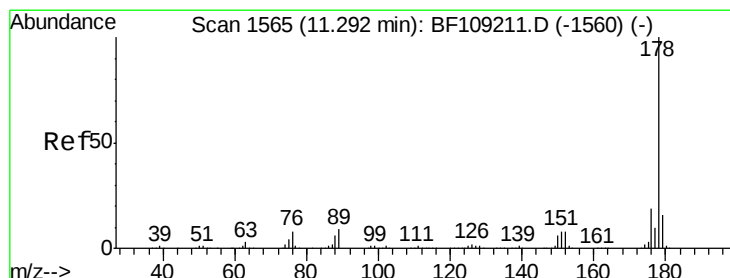
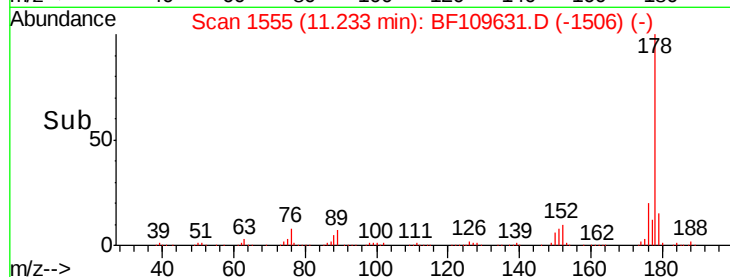
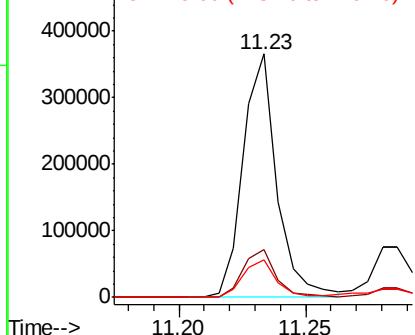
#70
Phenanthrene
Concen: 30.850 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318

Tgt Ion:178 Resp: 339893
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.2 13.0 19.6

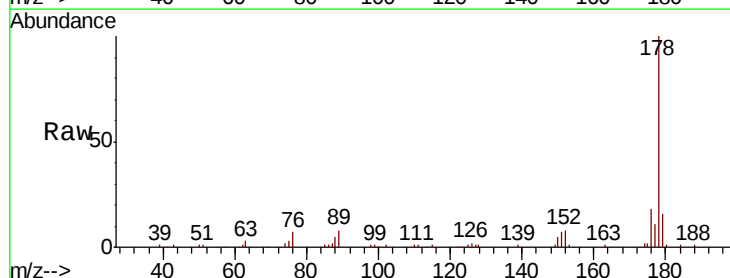


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

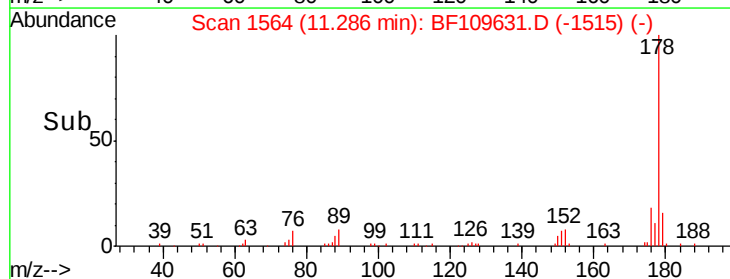
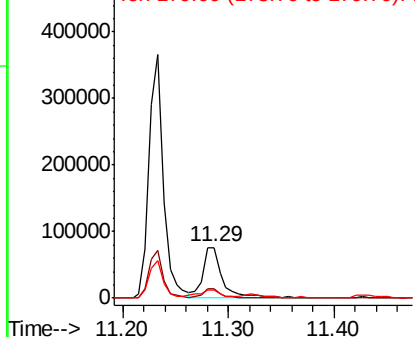


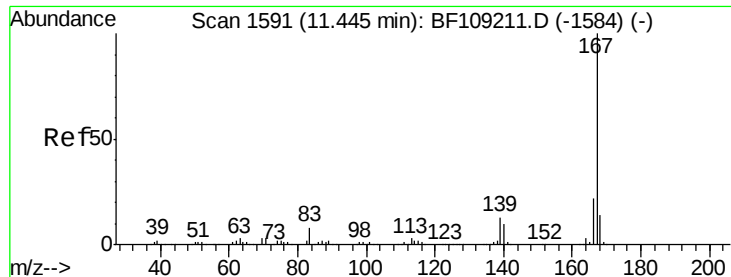
#71
Anthracene
Concen: 8.723 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Tgt Ion:178 Resp: 97474
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 15.8 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: 3.712 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

GRID11-COMP-100318

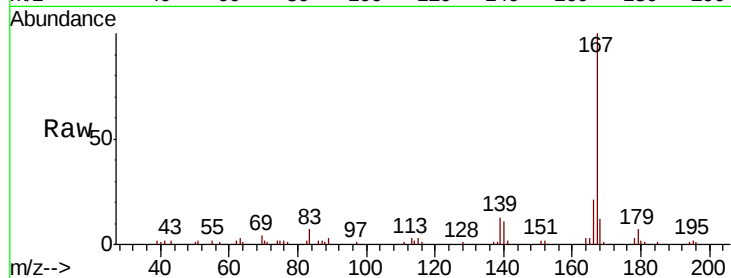
Tgt Ion:167 Resp: 41275

Ion Ratio Lower Upper

167 100

166 20.5 17.6 26.4

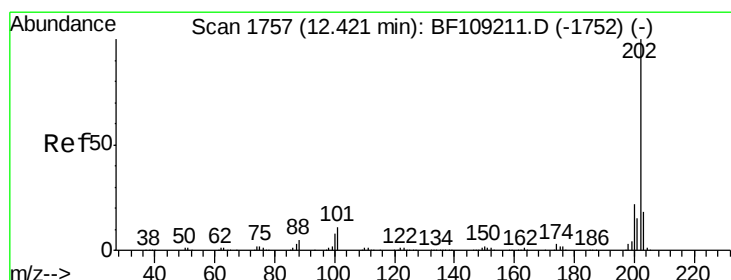
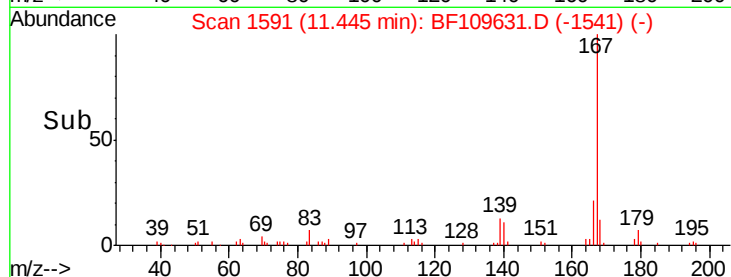
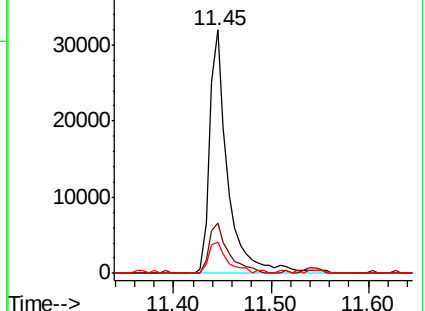
139 12.8 10.9 16.3



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: 39.245 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

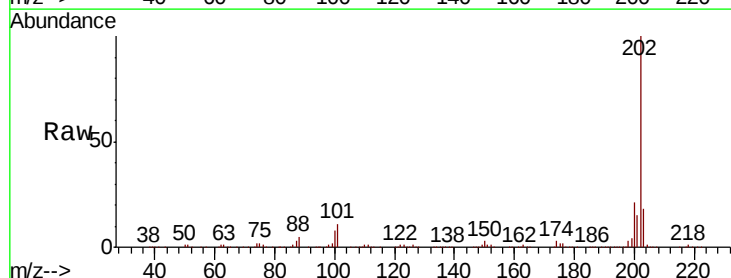
Tgt Ion:202 Resp: 462077

Ion Ratio Lower Upper

202 100

101 11.1 0.0 34.1

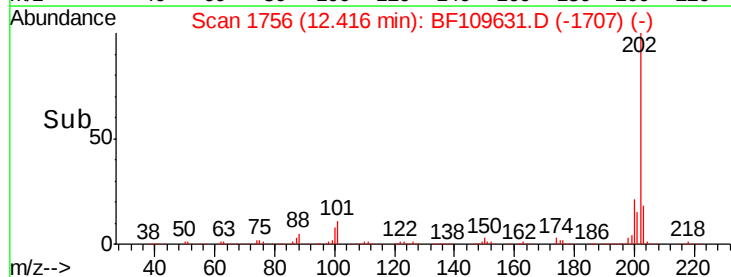
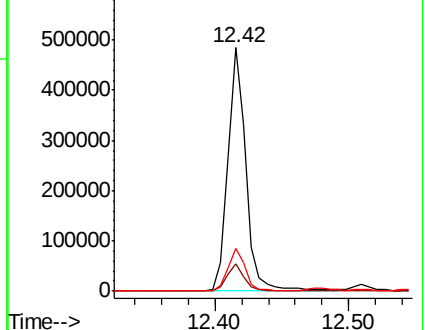
203 17.7 0.0 38.1

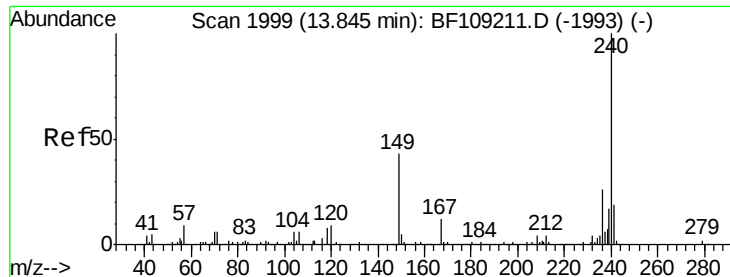


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

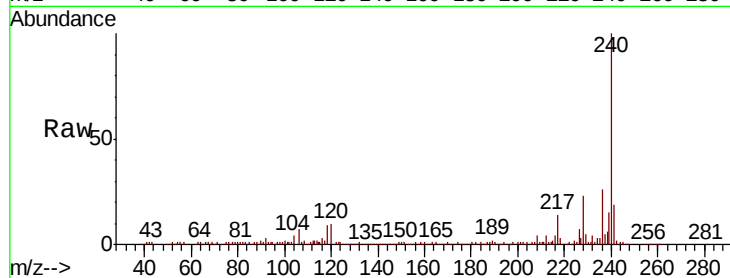




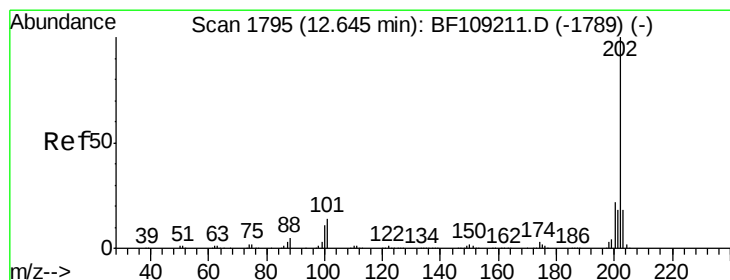
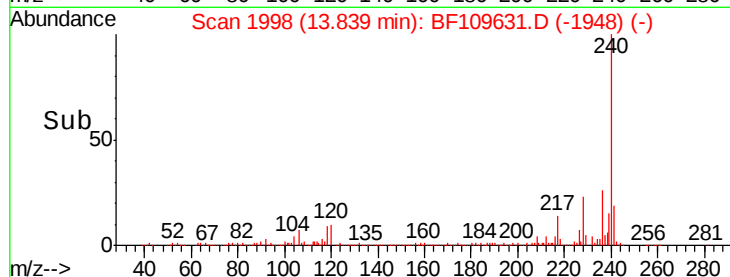
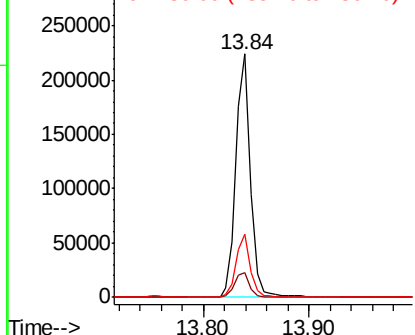
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318

Tgt Ion:240 Resp: 210964
Ion Ratio Lower Upper
240 100
120 10.2 9.5 14.3
236 25.7 20.7 31.1

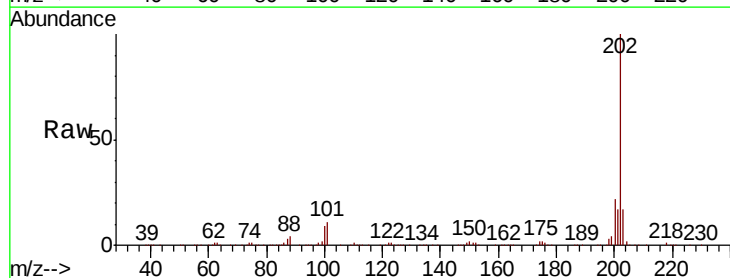


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

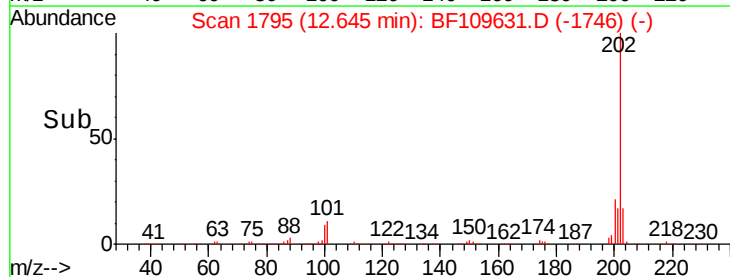
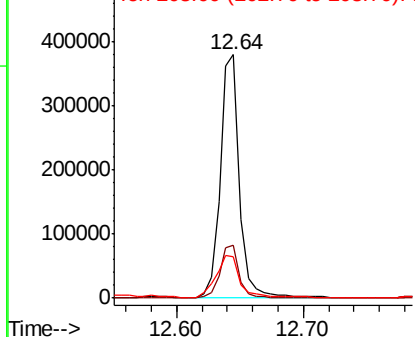


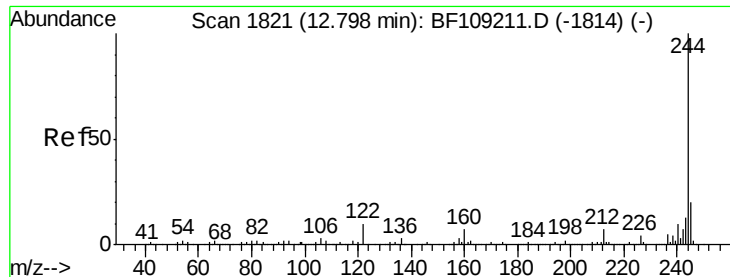
#77
Pyrene
Concen: 26.322 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Tgt Ion:202 Resp: 397973
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 17.2 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: 47.090 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

GRID11-COMP-100318

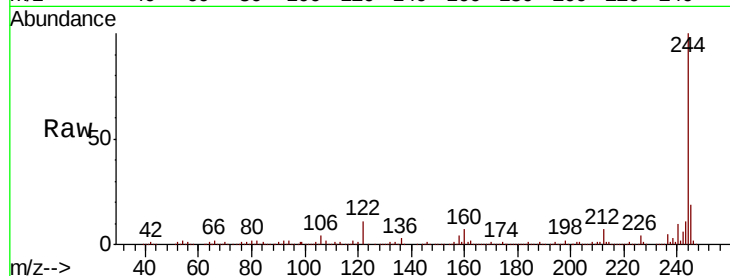
Tgt Ion:244 Resp: 404795

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

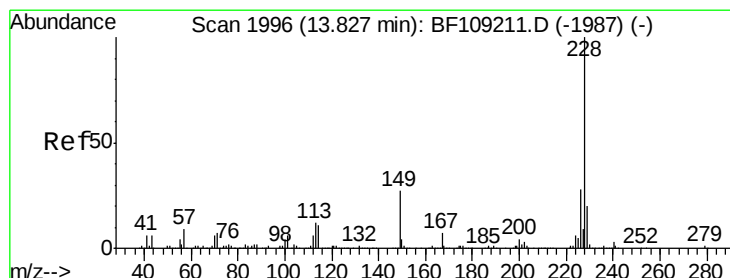
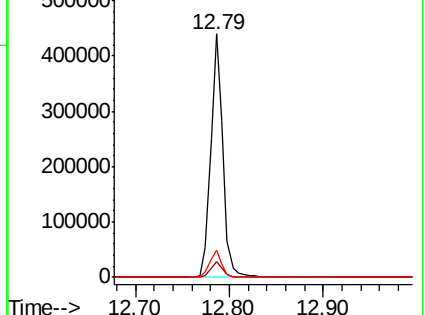
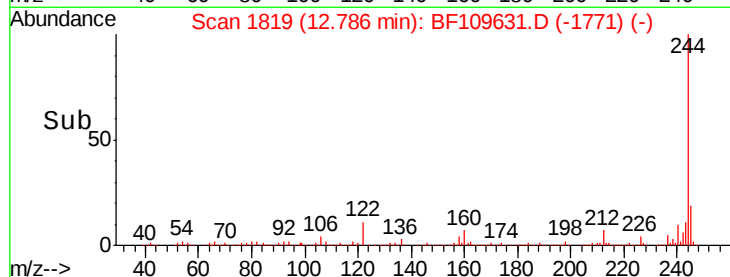
122 11.0 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 19.865 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

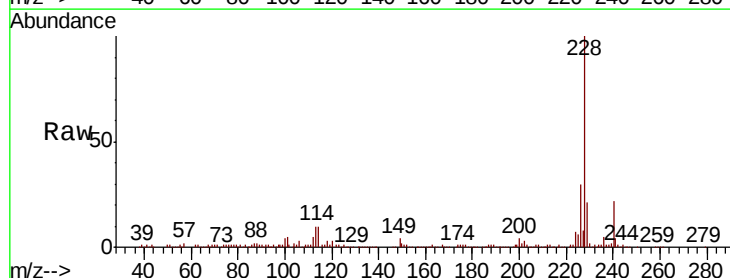
Tgt Ion:228 Resp: 252422

Ion Ratio Lower Upper

228 100

226 30.0 22.6 33.8

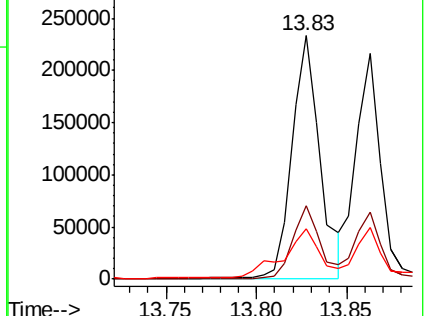
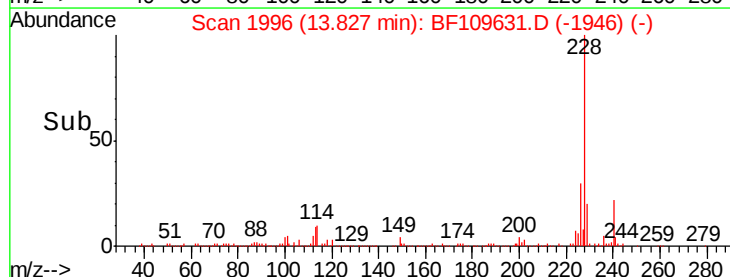
229 20.6 15.8 23.6

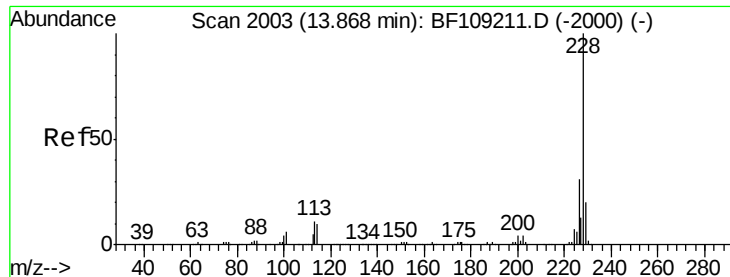


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 16.412 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

GRID11-COMP-100318

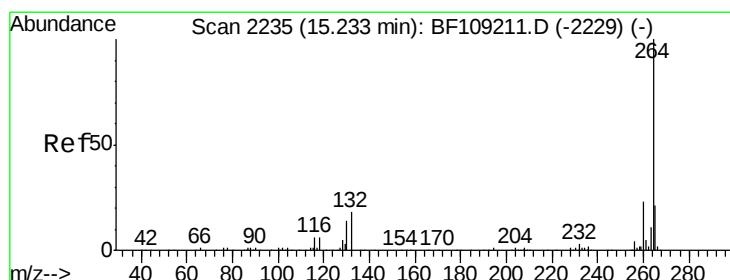
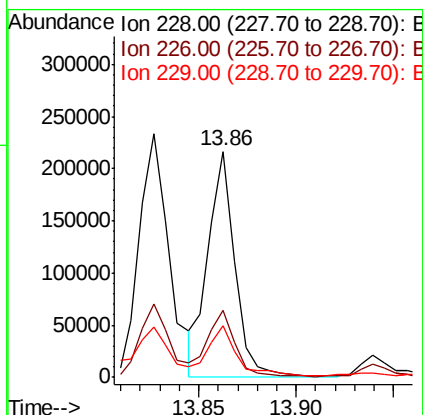
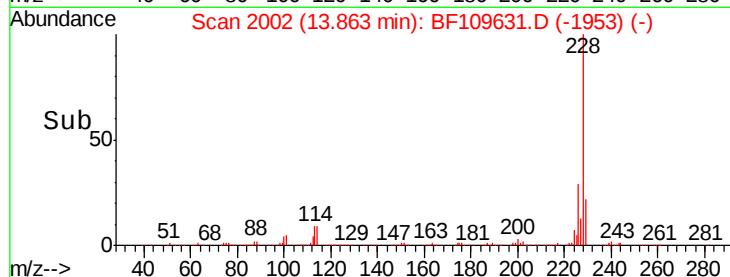
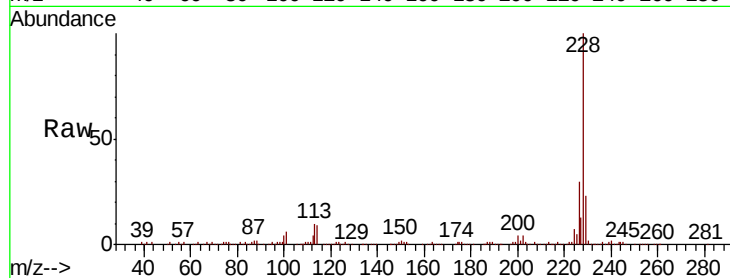
Tgt Ion:228 Resp: 206696

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

229 22.7 16.2 24.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

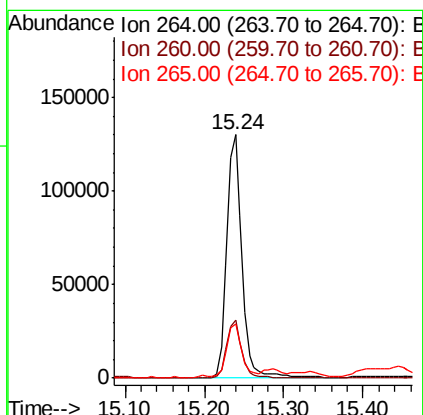
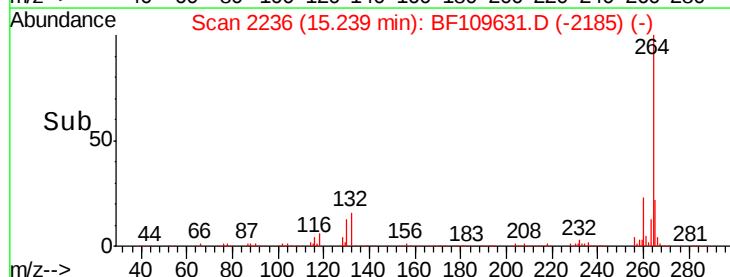
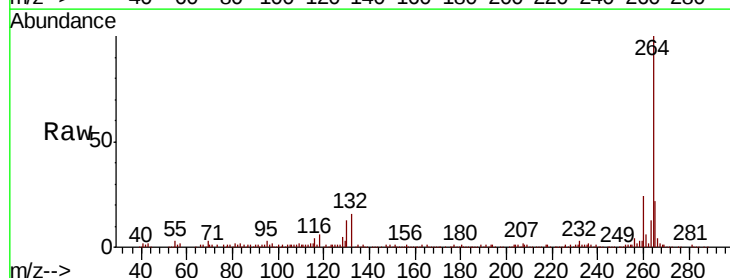
Tgt Ion:264 Resp: 174031

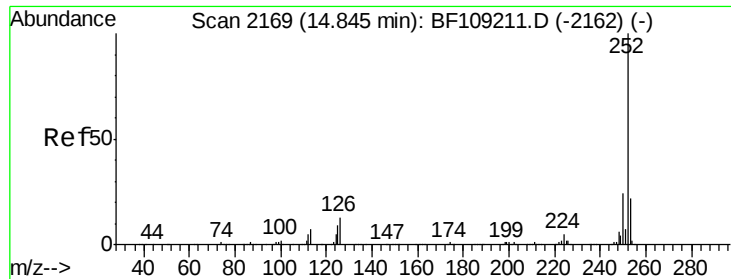
Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 22.4 17.5 26.3

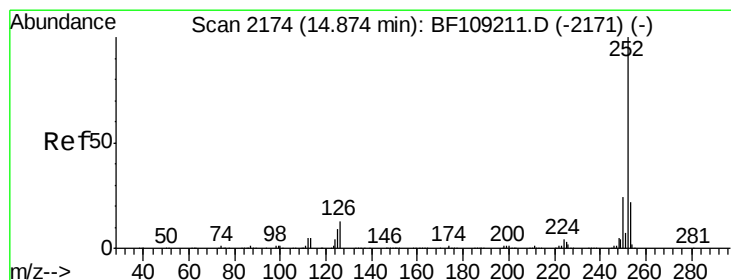
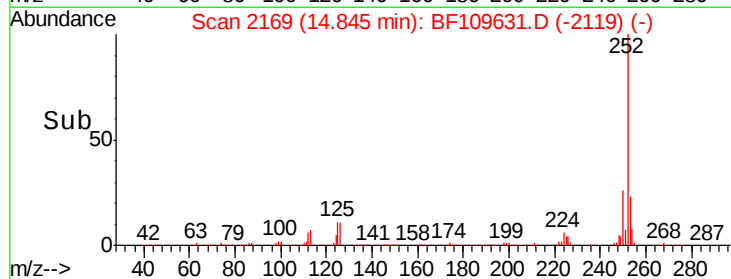
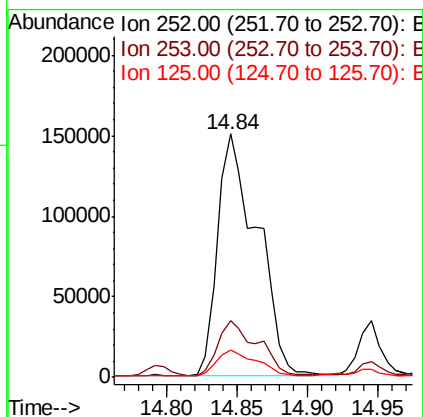
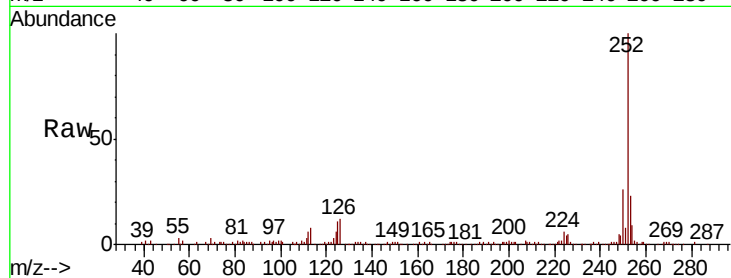




#87
Benzo(b)fluoranthene
Concen: 30.796 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

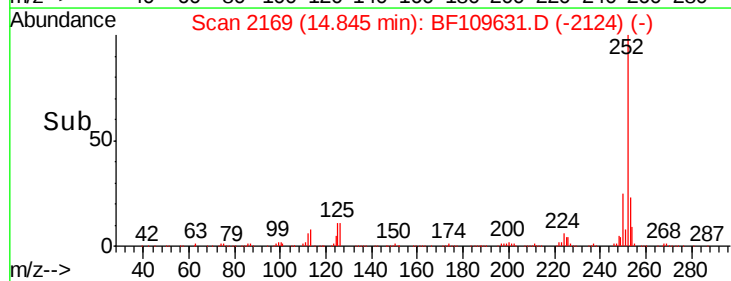
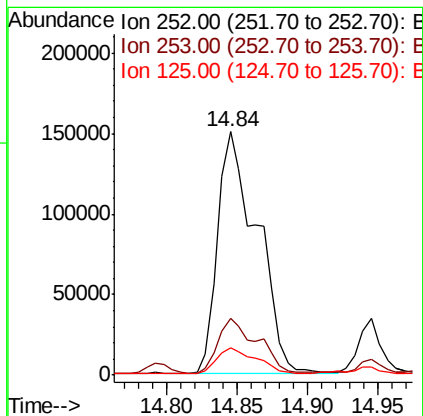
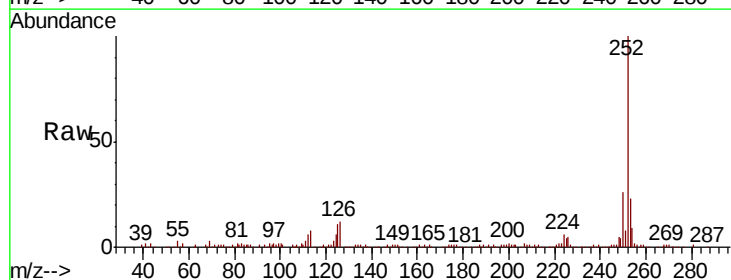
Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318

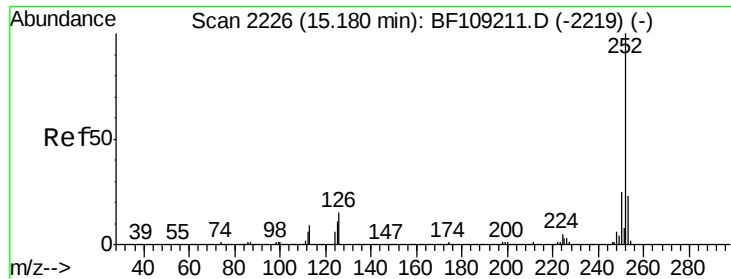
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	11.4	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 32.454 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	11.4	10.2	15.2





#89

Benzo(a)pyrene

Concen: 17.586 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

GRID11-COMP-100318

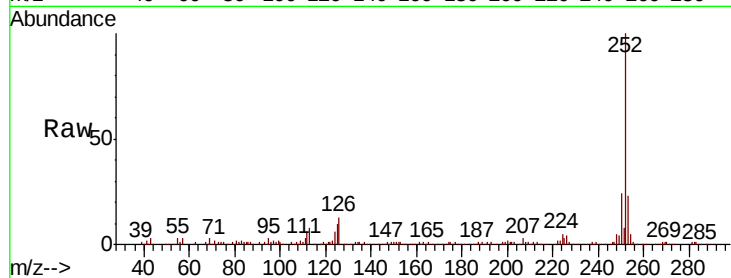
Tgt Ion:252 Resp: 151540

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

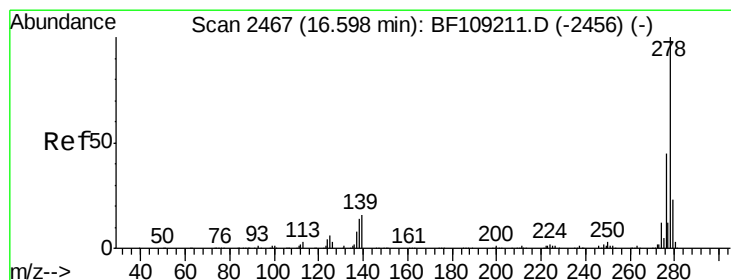
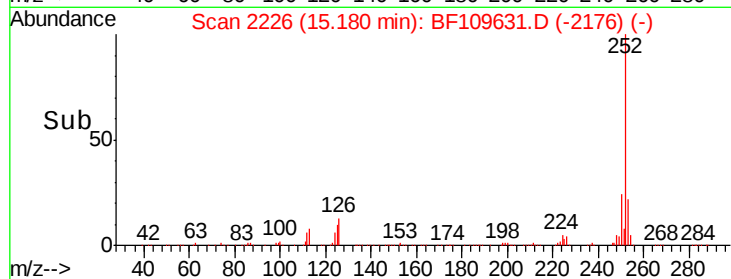
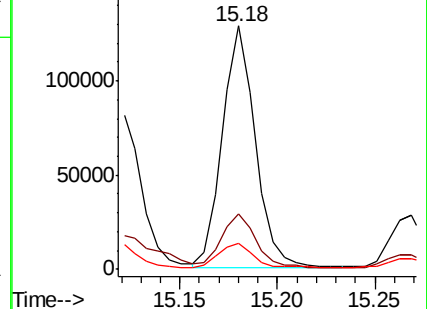
125 10.5 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 2.880 ng

RT: 16.59 min Scan# 2466

Delta R.T. -0.02 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

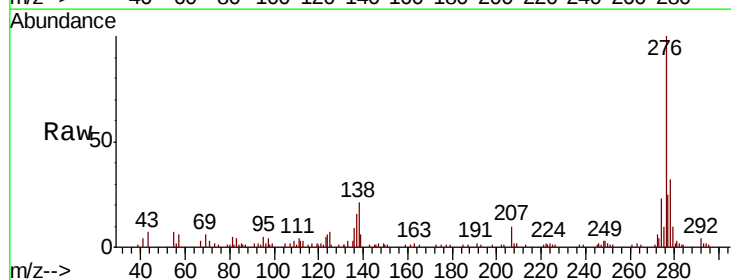
Tgt Ion:278 Resp: 20361

Ion Ratio Lower Upper

278 100

139 19.9 15.9 23.9

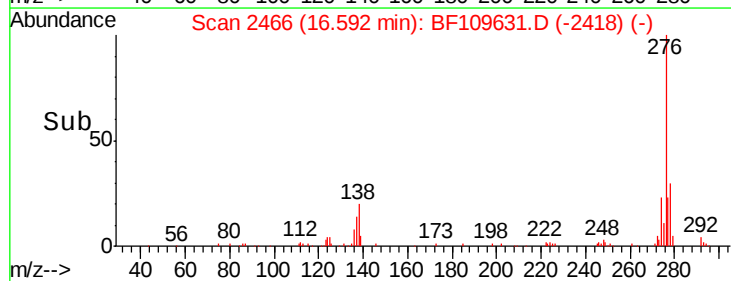
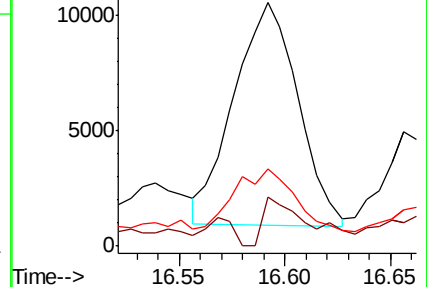
279 31.8 19.0 28.4#

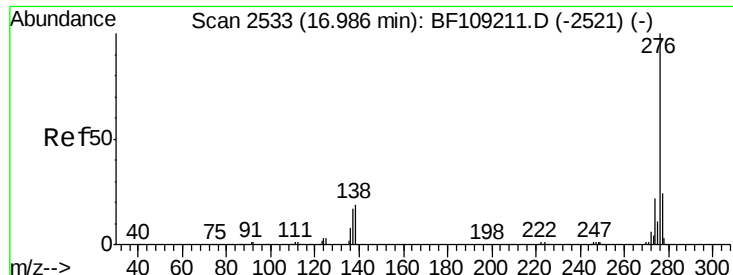


Abundance Ion 278.00 (277.70 to 278.70): E

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: 9.823 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Instrument :

BNA_F

ClientSampleId :

GRID11-COMP-100318

Tgt Ion: 276 Resp: 68249

Ion Ratio Lower Upper

276 100

277 25.9 17.9 26.9

138 20.5 21.8 32.8#

