

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\
 Data File : BF108049.D
 Acq On : 9 Aug 2018 13:46
 Operator : JU/SJ
 Sample : J4262-01DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-04DL

Quant Time: Aug 09 17:45:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

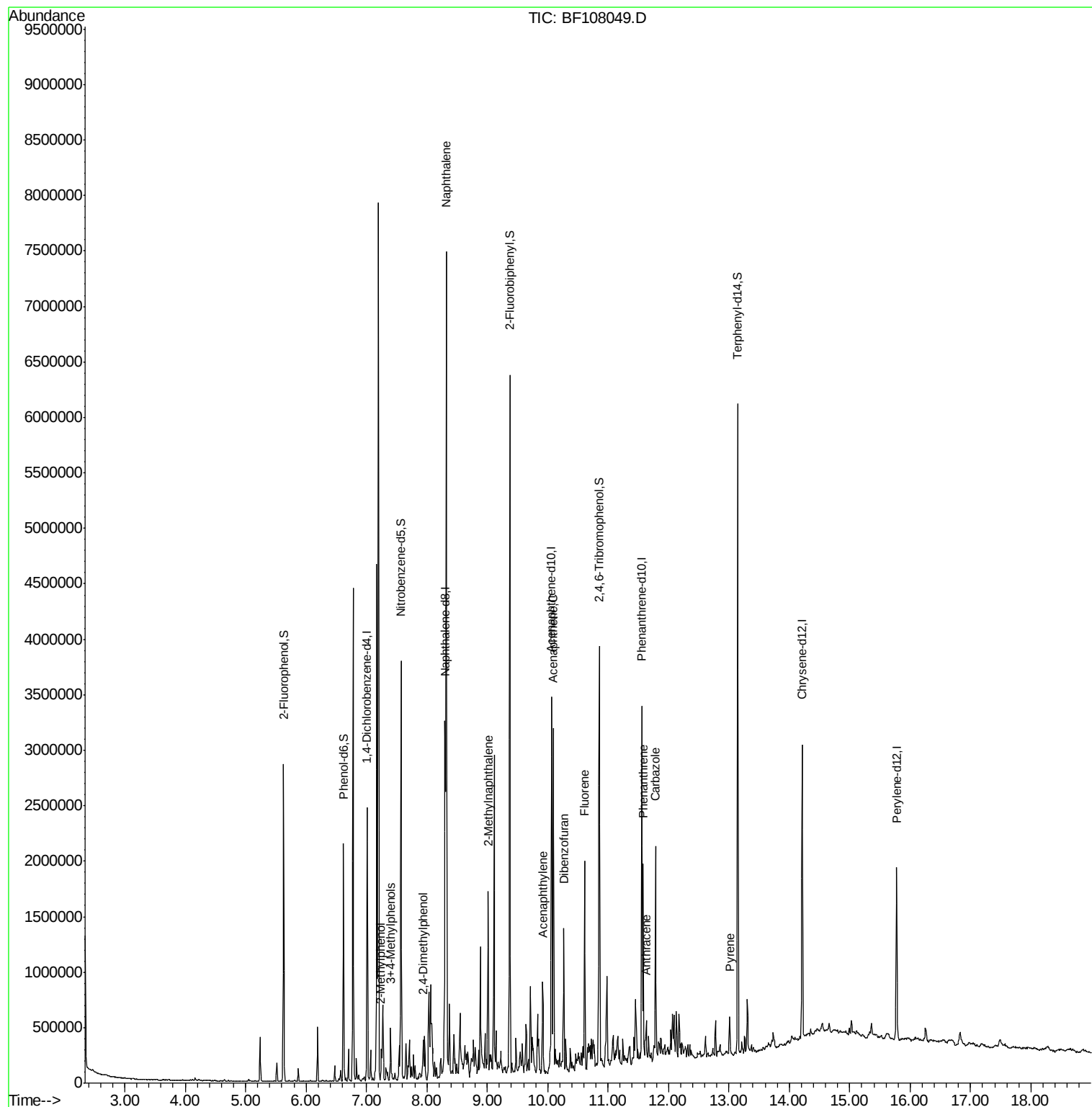
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	347048	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1320901	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	651808	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	1112034	20.00	ng	0.00
75) Chrysene-d12	14.21	240	864577	20.00	ng	0.00
86) Perylene-d12	15.78	264	729352	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	655312	34.19	ng	0.00
7) Phenol-d6	6.62	99	553509	21.73	ng	-0.01
23) Nitrobenzene-d5	7.58	82	1139436	48.14	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	414780	63.80	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	2042008	50.30	ng	0.00
78) Terphenyl-d14	13.15	244	1840269	54.12	ng	0.00
Target Compounds						
17) 2-Methylphenol	7.24	107	41529	2.243	ng	96
20) 3+4-Methylphenols	7.40	107	94616	3.988	ng	92
27) 2,4-Dimethylphenol	7.93	122	75465	3.769	ng	96
31) Naphthalene	8.32	128	2937201	48.895	ng	# 92
37) 2-Methylnaphthalene	9.01	142	371425	8.739	ng	97
48) Acenaphthylene	9.92	152	191456	3.188	ng	98
51) Acenaphthene	10.10	154	617167	16.780	ng	99
54) Dibenzofuran	10.27	168	411249	7.718	ng	98
57) Fluorene	10.61	166	469870	11.139	ng	99
70) Phenanthrene	11.58	178	536115	10.221	ng	99
71) Anthracene	11.64	178	129496	2.409	ng	99
72) Carbazole	11.79	167	724371	15.166	ng	99
77) Pvrene	13.01	202	121691	2.223	ng	99

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

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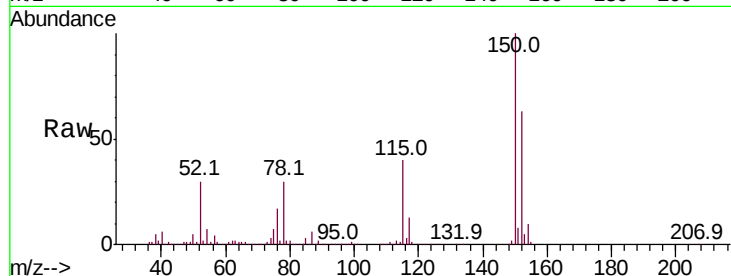


#1

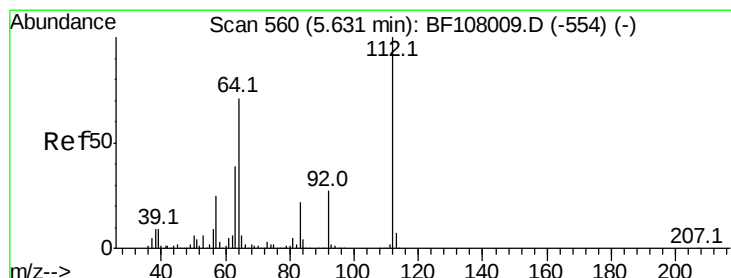
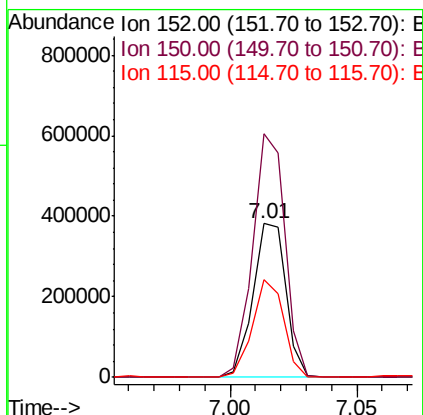
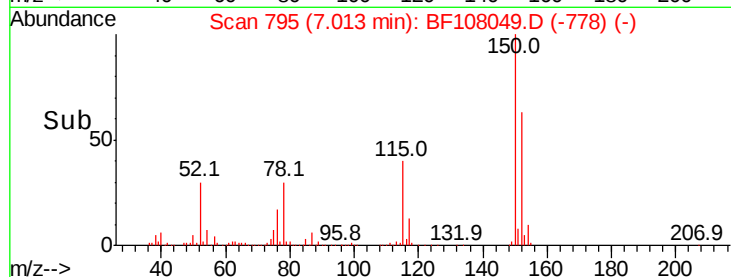
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108049.D
Acq: 9 Aug 2018 13:46

Instrument :
BNA_F
ClientSampleId :
GW-04DL

Tot Ion:152 Resp: 347048
Ion Ratio Lower Upper
152 100
150 158.6 124.6 186.8
115 63.4 50.1 75.1



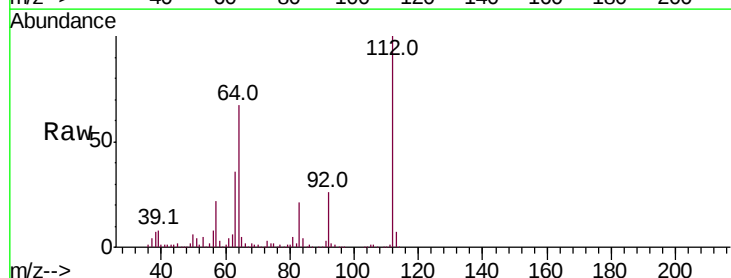
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



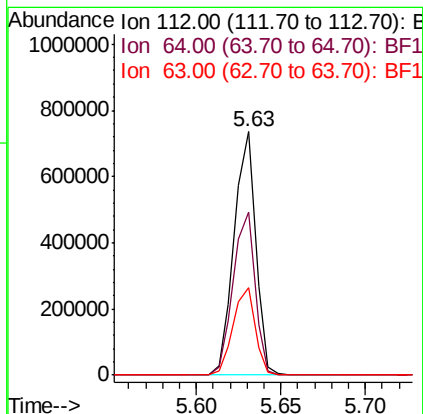
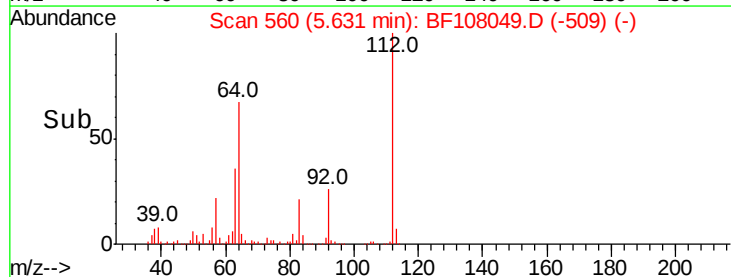
#5

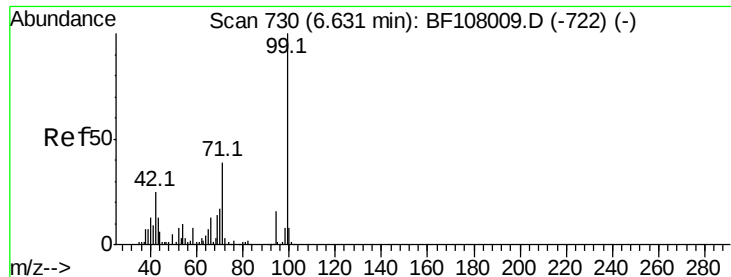
2-Fluorophenol
Concen: 34.186 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF108049.D
Acq: 9 Aug 2018 13:46

Tgt Ion:112 Resp: 655312
Ion Ratio Lower Upper
112 100
64 66.8 47.9 71.9
63 36.1 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: 21.729 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108049.D

Acq: 9 Aug 2018 13:46

Instrument :

BNA_F

ClientSampleId :

GW-04DL

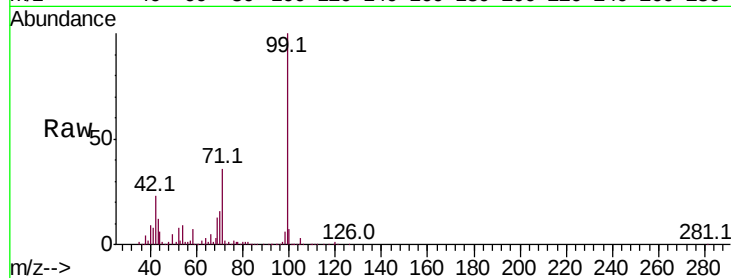
Tot Ion: 99 Resp: 553509

Ion Ratio Lower Upper

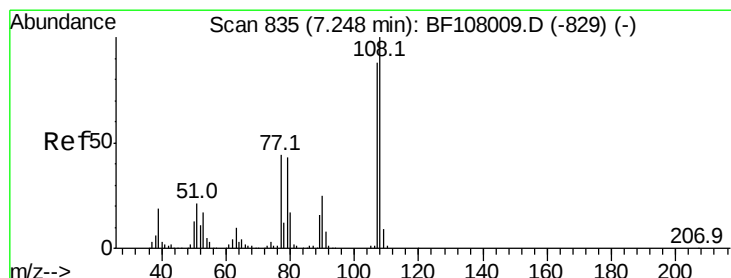
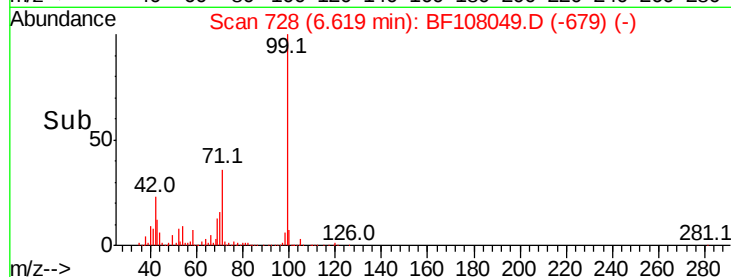
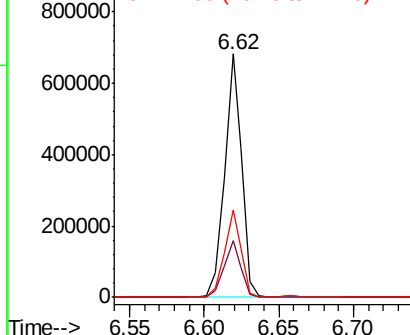
99 100

42 23.4 14.5 21.7#

71 35.8 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



#17

2-Methylphenol

Concen: 2.243 ng

RT: 7.24 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF108049.D

Acq: 9 Aug 2018 13:46

Tgt Ion: 107 Resp: 41529

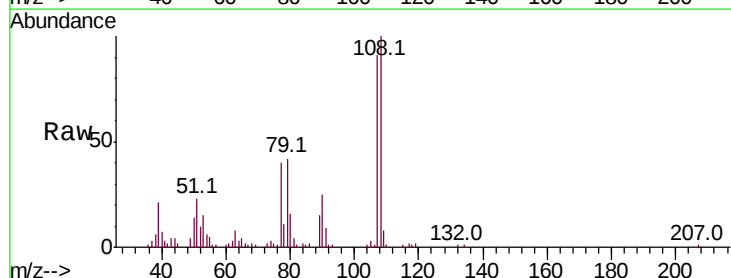
Ion Ratio Lower Upper

107 100

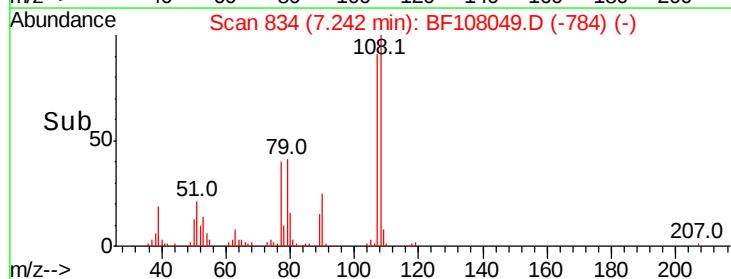
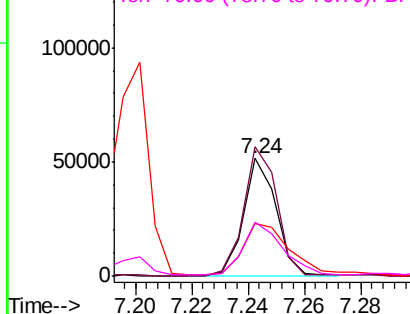
108 110.2 91.7 137.5

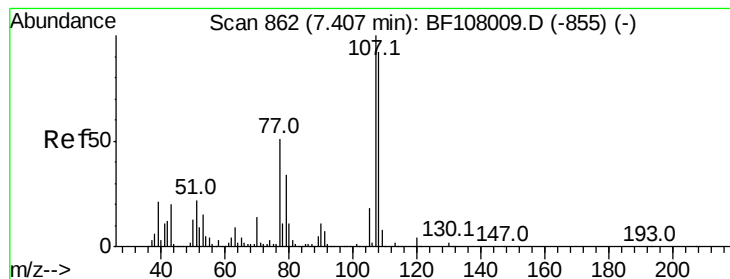
77 44.6 33.8 50.8

79 45.8 33.8 50.8



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#20

3+4-Methylphenols

Concen: 3.988 ng

RT: 7.40 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF108049.D

Acq: 9 Aug 2018 13:46

Instrument :

BNA_F

ClientSampleId :

GW-04DL

Tot Ion:107 Resp: 94616

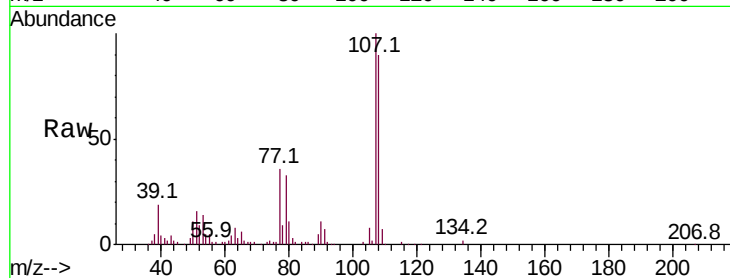
Ion Ratio Lower Upper

107 100

108 90.4 68.2 108.2

77 35.5 26.7 66.7

79 32.7 6.3 46.3

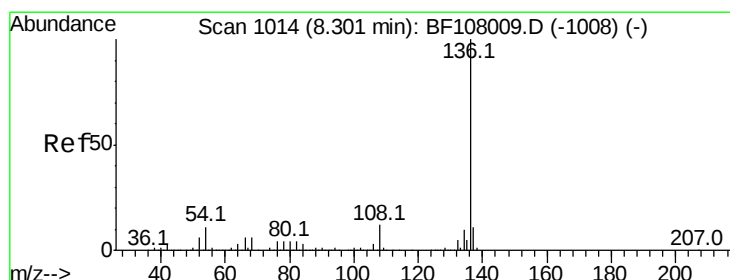
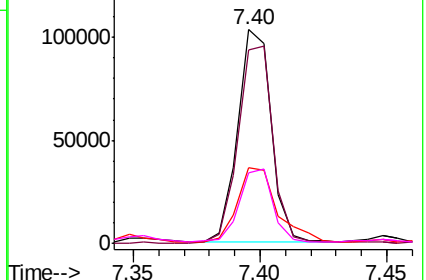
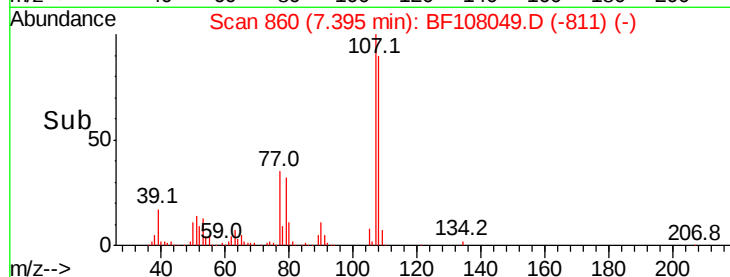


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108049.D

Acq: 9 Aug 2018 13:46

Tgt Ion:136 Resp: 1320901

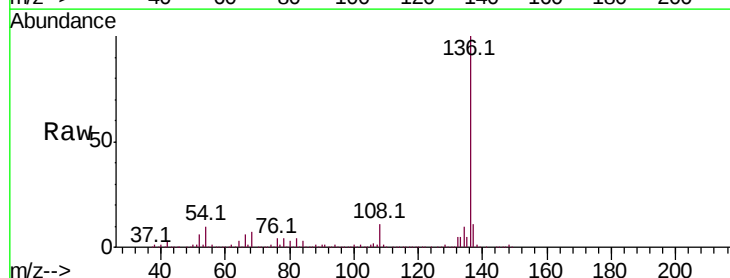
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 10.4 6.6 9.8#

68 6.6 5.0 7.4

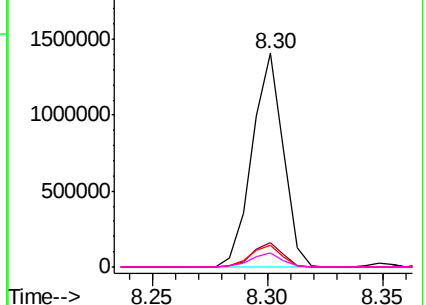
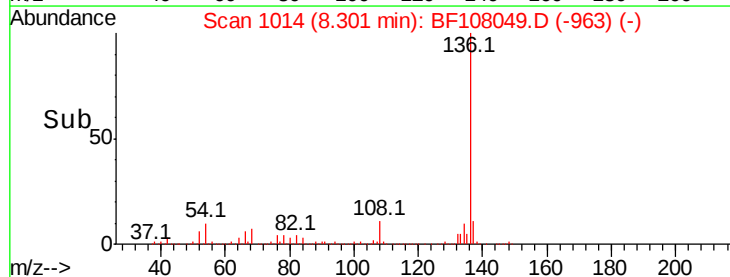


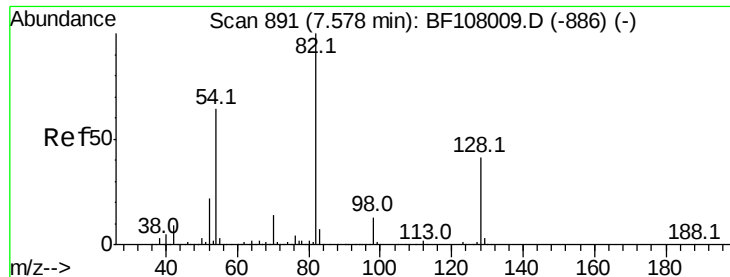
Abundance Ion 136.00 (135.70 to 136.70): E

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



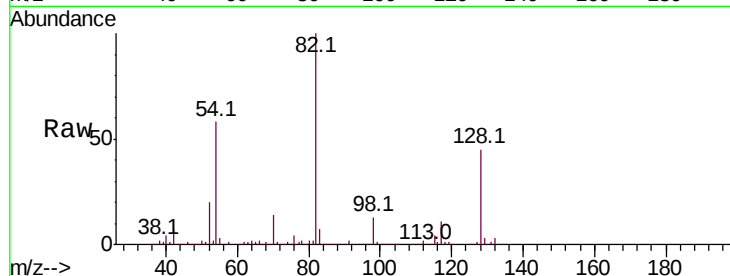


#23
 Nitrobenzene-d5
 Concen: 48.135 ng
 RT: 7.58 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: BF108049.D
 Acq: 9 Aug 2018 13:46

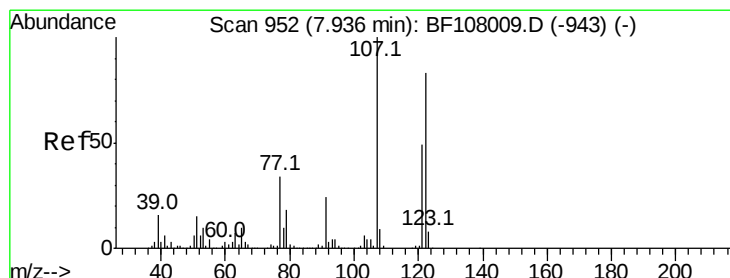
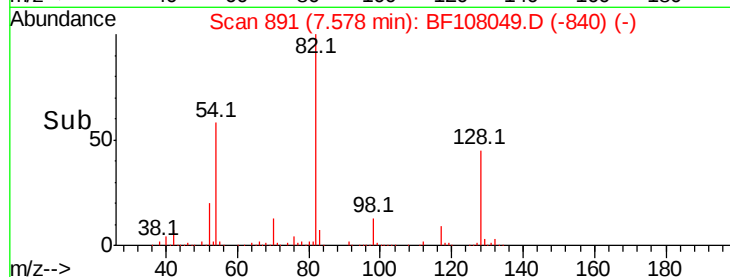
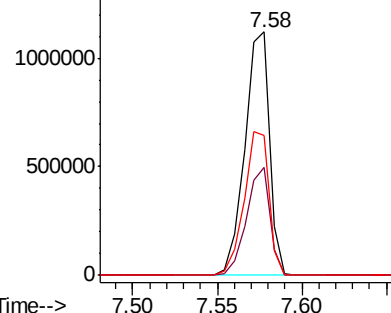
Instrument :
 BNA_F
 ClientSampleId :
 GW-04DL

Tot Ion: 82 Resp: 1139436

Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	57.5	41.4	62.2



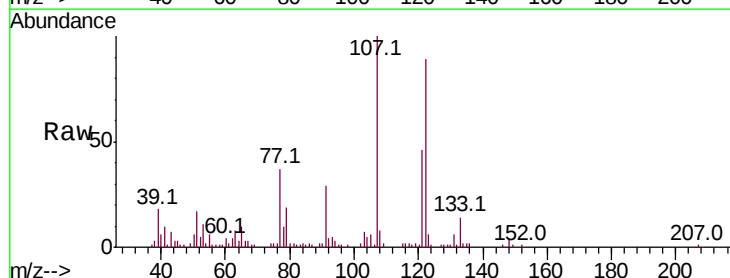
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1



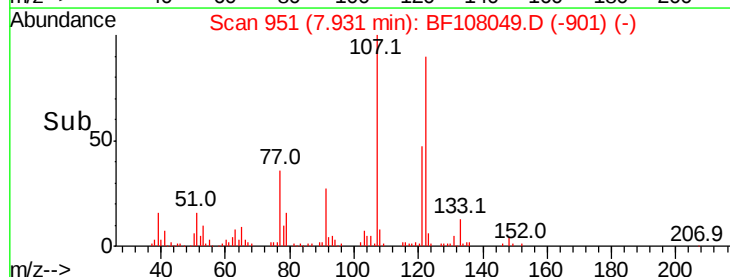
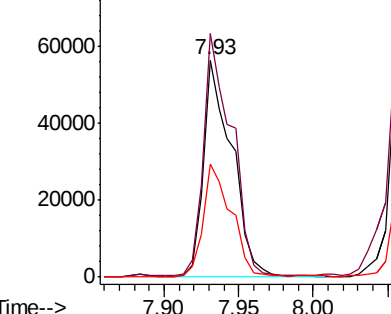
#27
 2,4-Dimethylphenol
 Concen: 3.769 ng
 RT: 7.93 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF108049.D
 Acq: 9 Aug 2018 13:46

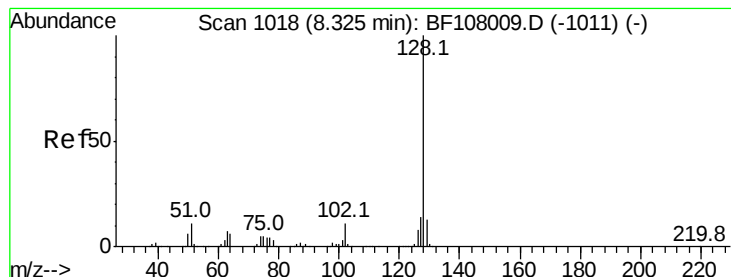
Tgt Ion:122 Resp: 75465

Ion	Ratio	Lower	Upper
122	100		
107	112.2	91.2	136.8
121	52.1	47.2	70.8



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 48.895 ng

RT: 8.32 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BF108049.D

Acq: 9 Aug 2018 13:46

Instrument :

BNA_F

ClientSampleId :

GW-04DL

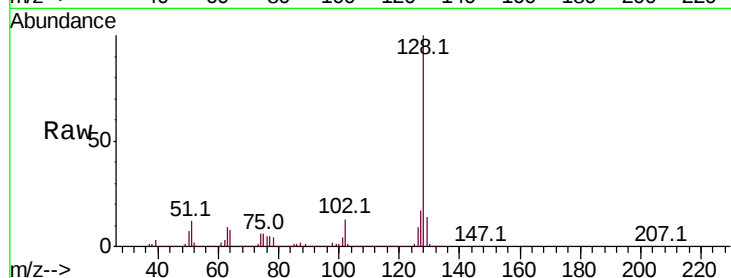
Tot Ion:128 Resp: 2937201

Ion Ratio Lower Upper

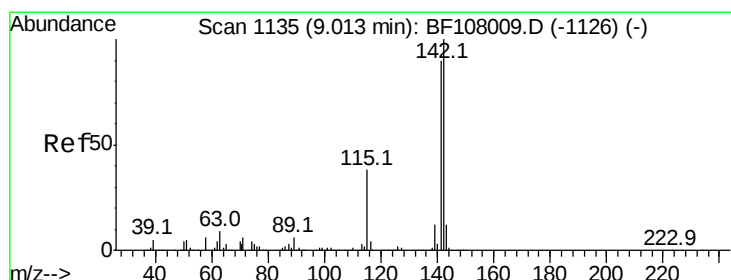
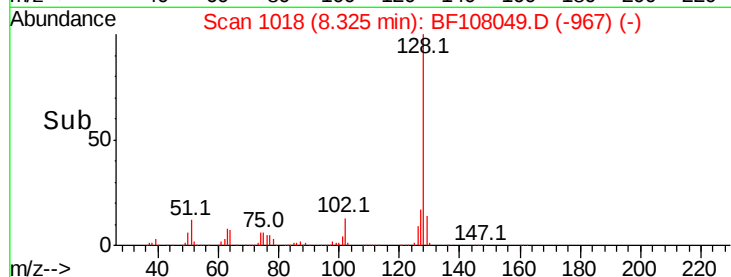
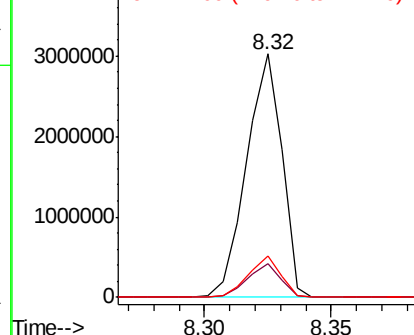
128 100

129 14.0 8.8 13.2#

127 17.0 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



#37

2-Methylnaphthalene

Concen: 8.739 ng

RT: 9.01 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BF108049.D

Acq: 9 Aug 2018 13:46

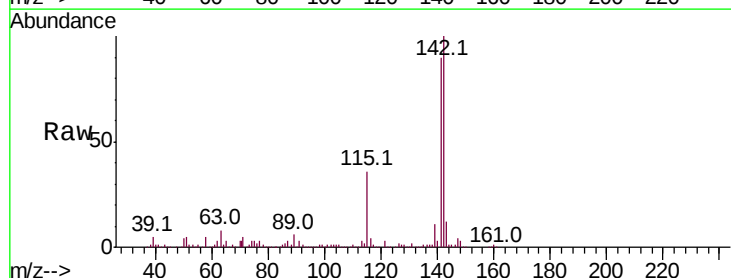
Tgt Ion:142 Resp: 371425

Ion Ratio Lower Upper

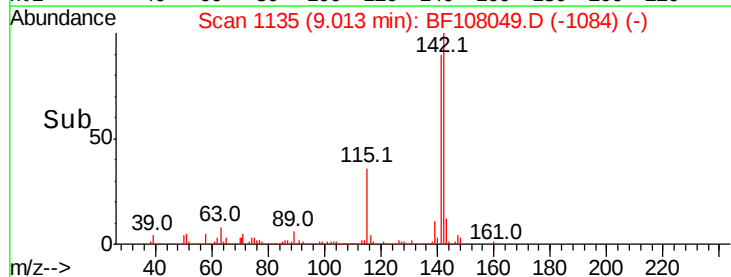
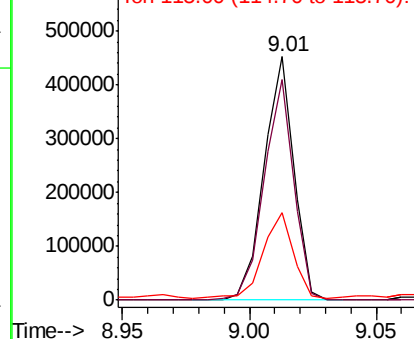
142 100

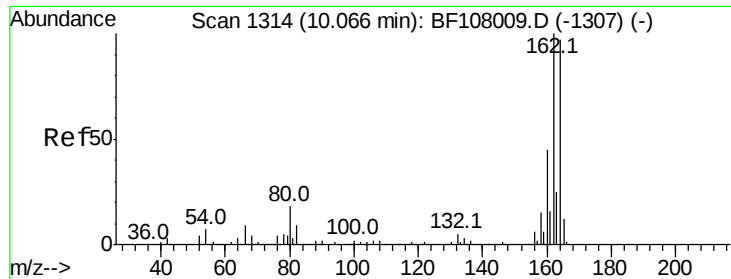
141 90.4 70.8 106.2

115 35.8 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

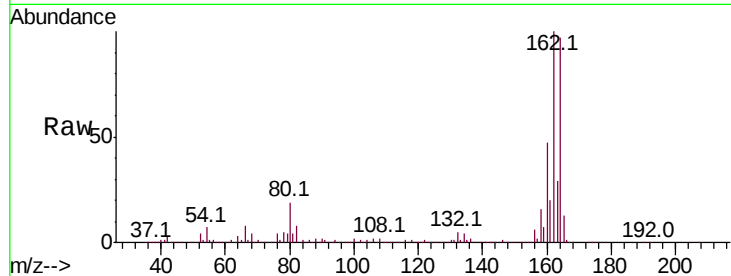




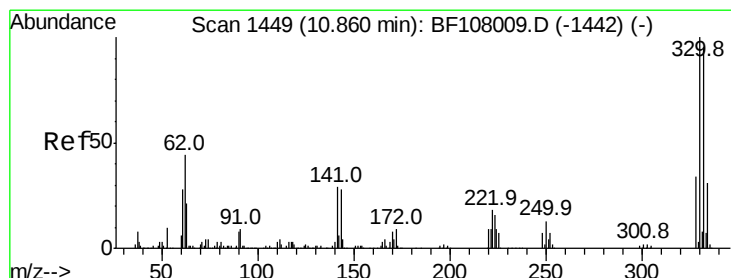
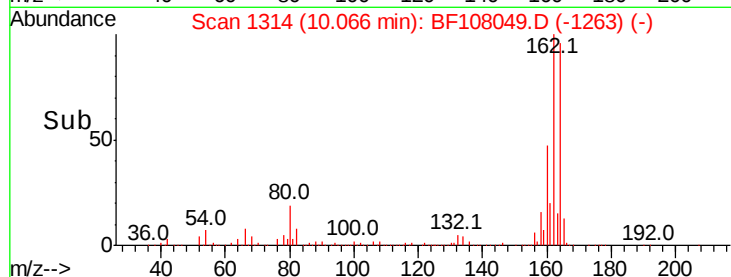
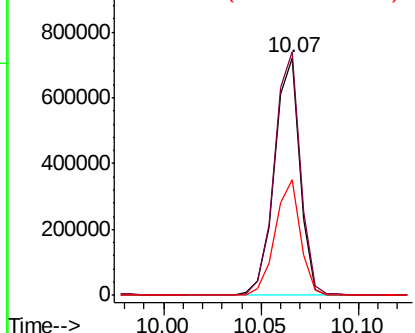
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BF108049.D
Acq: 9 Aug 2018 13:46

Instrument :
BNA_F
ClientSampled :
GW-04DL

Tot Ion:164 Resp: 651808
Ion Ratio Lower Upper
164 100
162 102.6 86.1 129.1
160 48.5 38.3 57.5

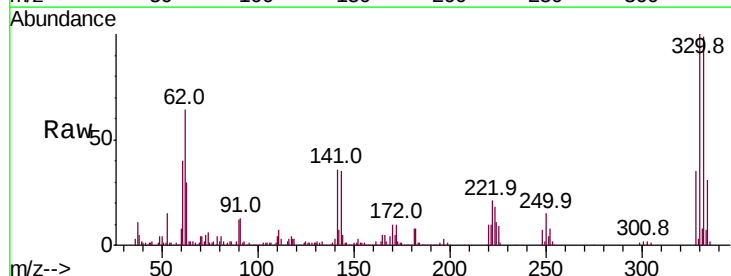


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

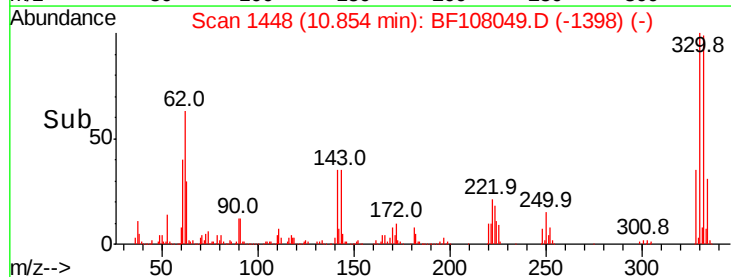
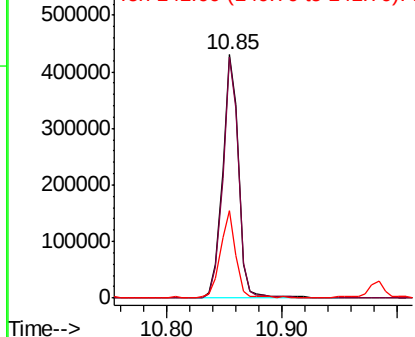


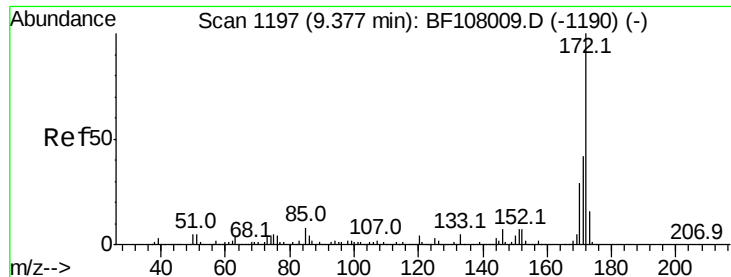
#41
2,4,6-Tribromophenol
Concen: 63.796 ng
RT: 10.85 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF108049.D
Acq: 9 Aug 2018 13:46

Tgt Ion:330 Resp: 414780
Ion Ratio Lower Upper
330 100
332 98.0 77.0 115.6
141 34.0 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



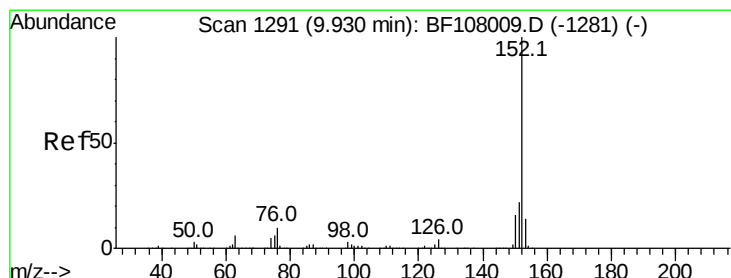
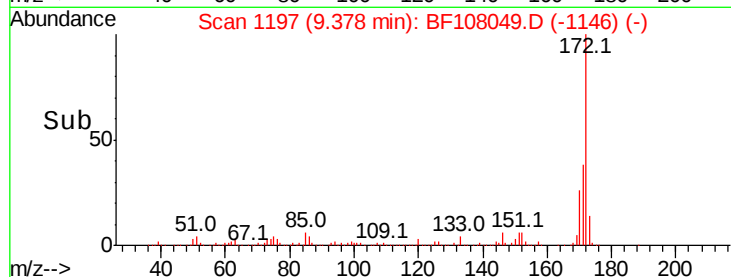
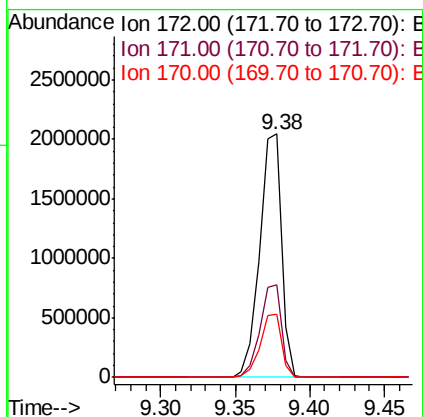
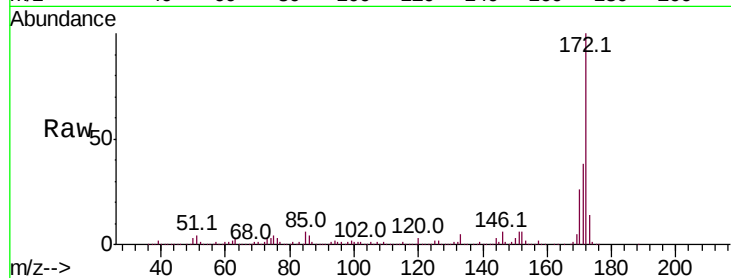


#44
 2-Fluorobiphenyl
 Concen: 50.297 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108049.D
 Acq: 9 Aug 2018 13:46

Instrument :
 BNA_F
 ClientSampleID :
 GW-04DL

Tot Ion:172 Resp: 2042008

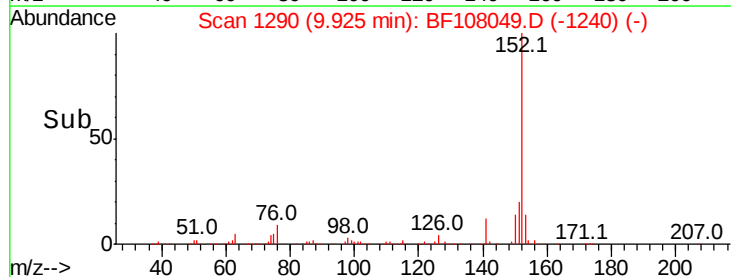
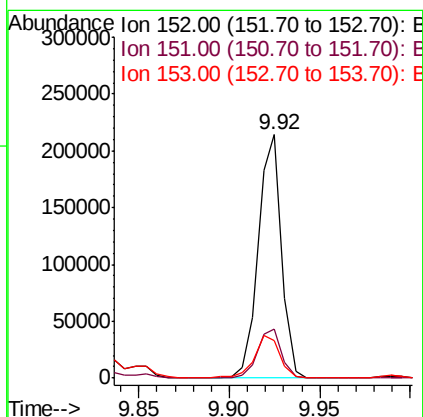
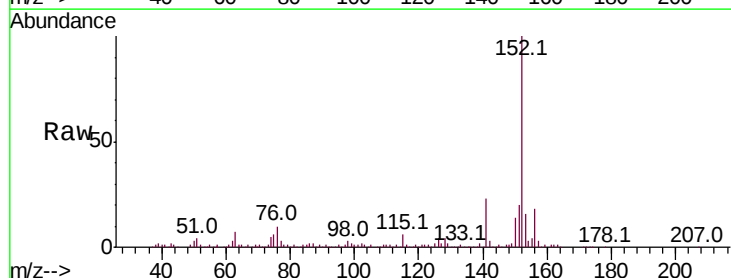
Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.7	44.5
170	26.1	19.6	29.4

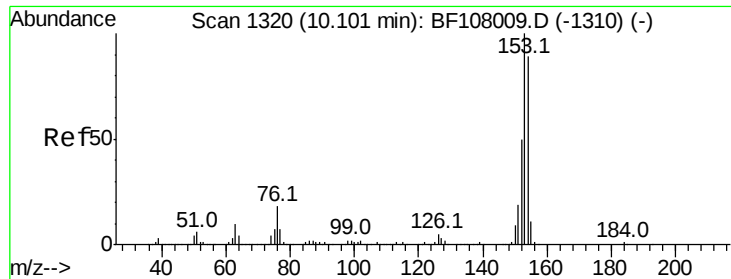


#48
 Acenaphthylene
 Concen: 3.188 ng
 RT: 9.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: BF108049.D
 Acq: 9 Aug 2018 13:46

Tgt Ion:152 Resp: 191456

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	15.5	10.7	16.1





#51

Acenaphthene

Concen: 16.780 ng

RT: 10.10 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF108049.D

Acq: 9 Aug 2018 13:46

Instrument :

BNA_F

ClientSampleId :

GW-04DL

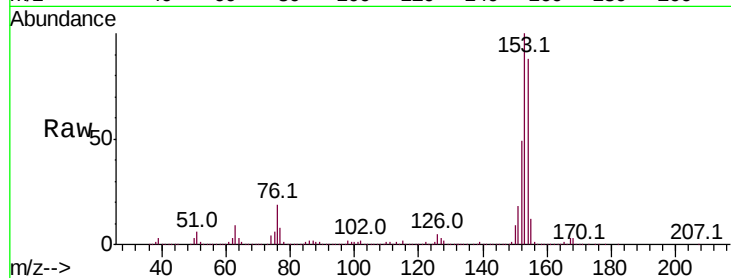
Tot Ion:154 Resp: 617167

Ion Ratio Lower Upper

154 100

153 114.3 91.2 136.8

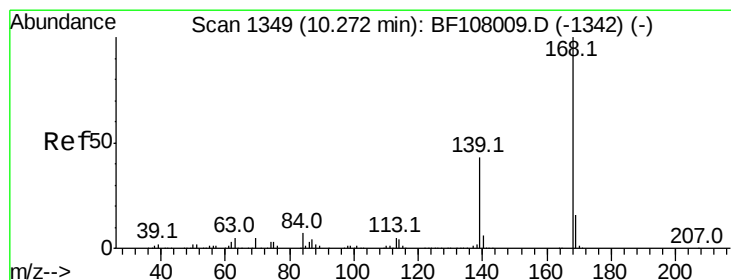
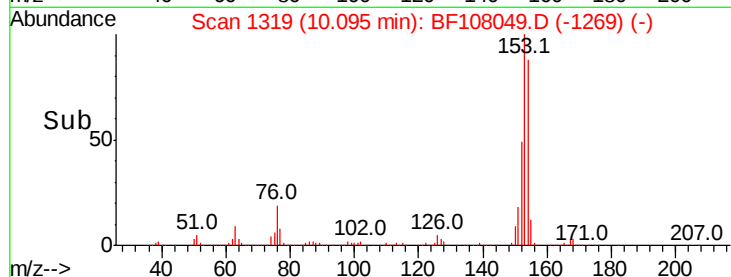
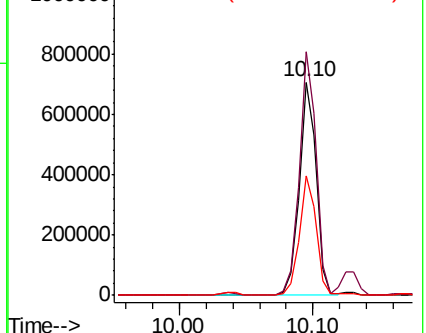
152 56.0 43.8 65.8



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: 7.718 ng

RT: 10.27 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF108049.D

Acq: 9 Aug 2018 13:46

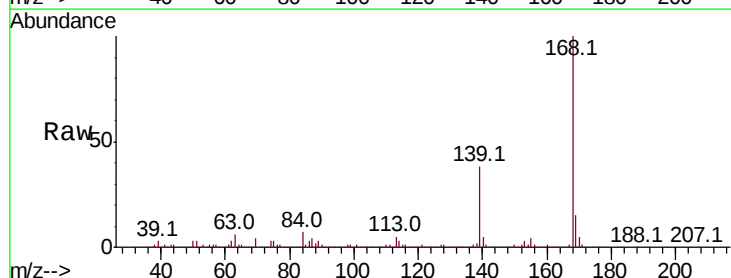
Tgt Ion:168 Resp: 411249

Ion Ratio Lower Upper

168 100

139 38.4 30.1 45.1

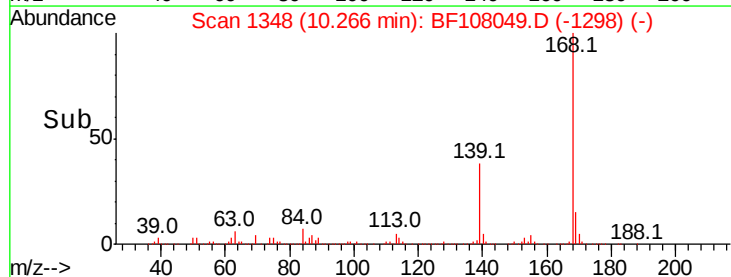
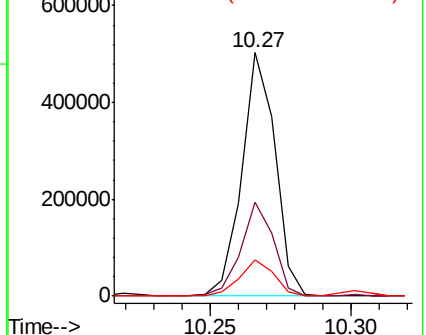
169 14.9 10.9 16.3

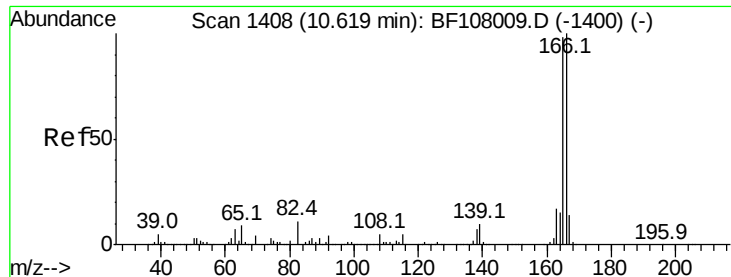


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

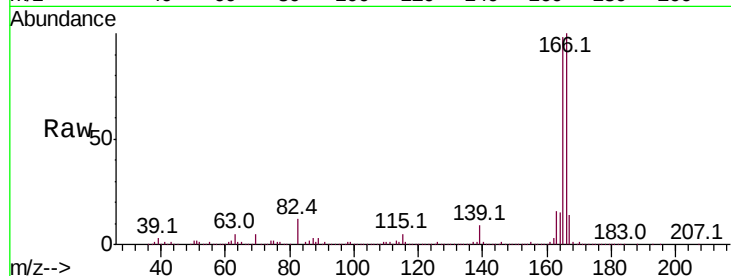




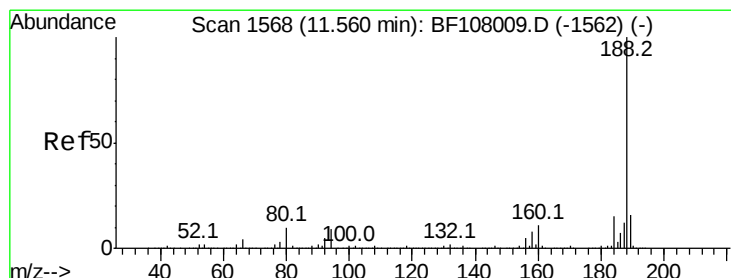
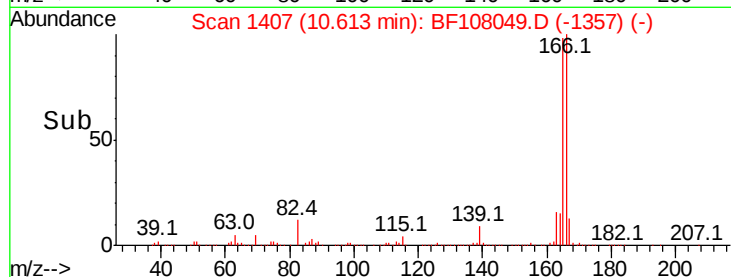
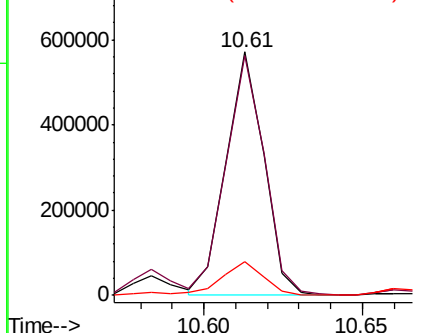
#57
 Fluorene
 Concen: 11.139 ng
 RT: 10.61 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BF108049.D
 Acq: 9 Aug 2018 13:46

Instrument :
 BNA_F
 ClientSampleId :
 GW-04DL

Tot Ion:166 Resp: 469870
 Ion Ratio Lower Upper
 166 100
 165 98.4 79.8 119.8
 167 13.9 10.6 16.0

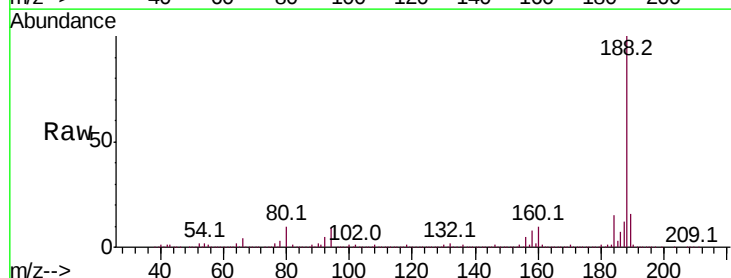


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

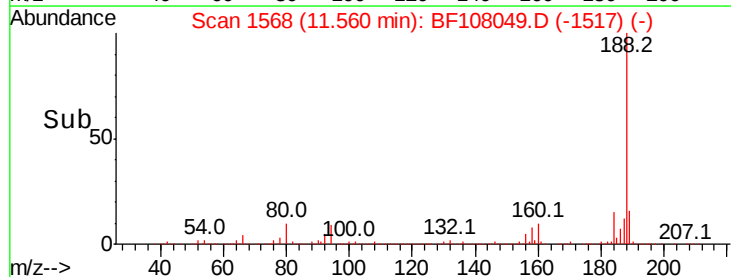
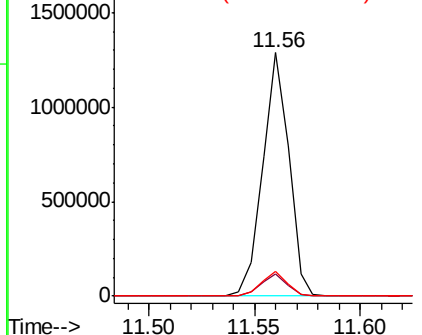


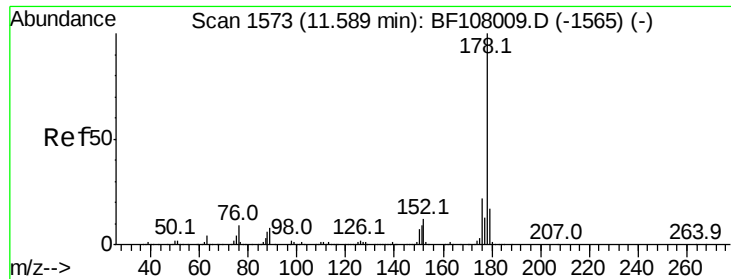
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108049.D
 Acq: 9 Aug 2018 13:46

Tgt Ion:188 Resp: 1112034
 Ion Ratio Lower Upper
 188 100
 94 9.2 8.5 12.7
 80 10.1 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





#70

Phenanthrene

Concen: 10.221 ng

RT: 11.58 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF108049.D

Acq: 9 Aug 2018 13:46

Instrument :

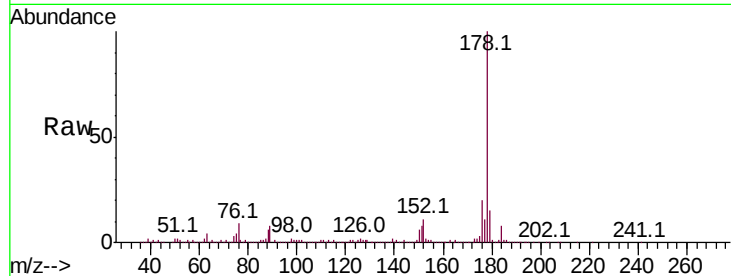
BNA_F

ClientSampleId :

GW-04DL

Tot Ion:178 Resp: 536115

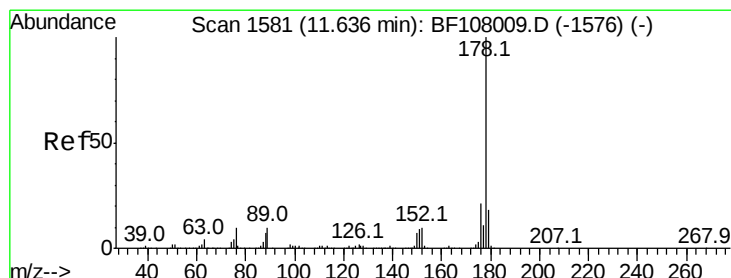
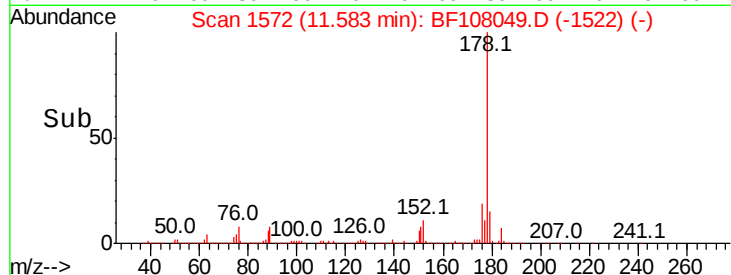
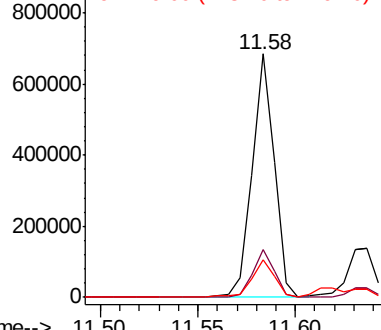
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.2	13.0	19.6



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: 2.409 ng

RT: 11.64 min Scan# 1581

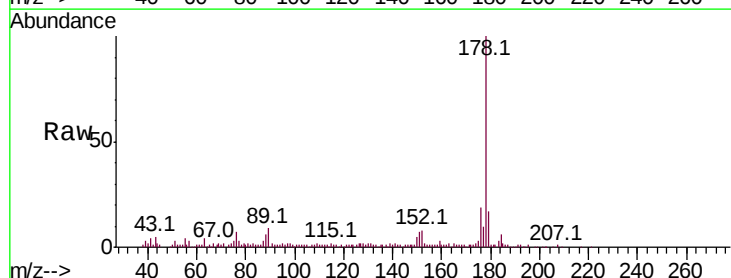
Delta R.T. 0.00 min

Lab File: BF108049.D

Acq: 9 Aug 2018 13:46

Tgt Ion:178 Resp: 129496

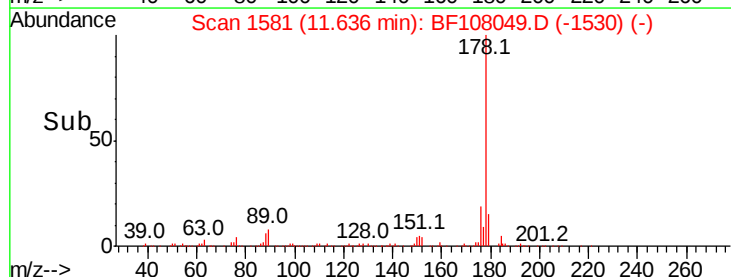
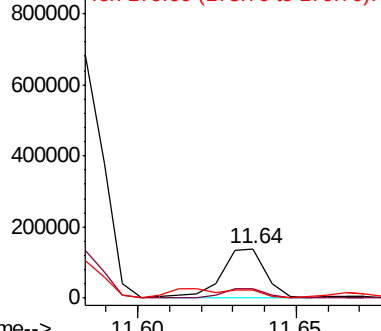
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	16.5	12.6	19.0

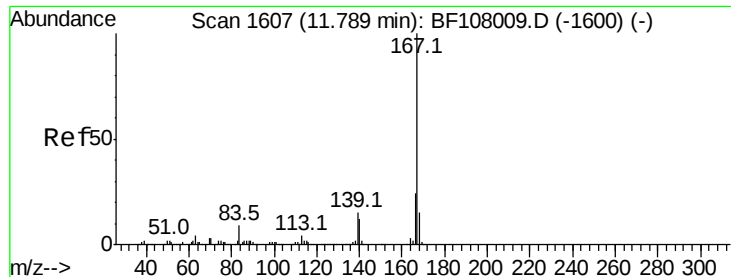


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 15.166 ng

RT: 11.79 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BF108049.D

Acq: 9 Aug 2018 13:46

Instrument :

BNA_F

ClientSampleId :

GW-04DL

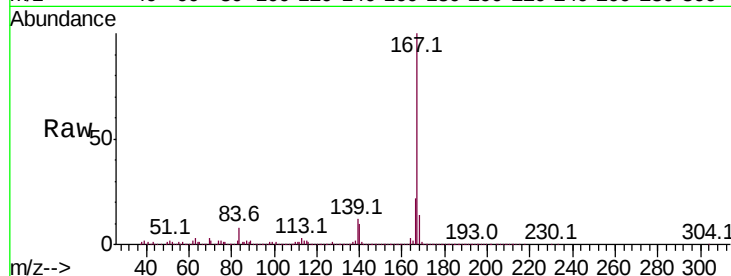
Tot Ion:167 Resp: 724371

Ion Ratio Lower Upper

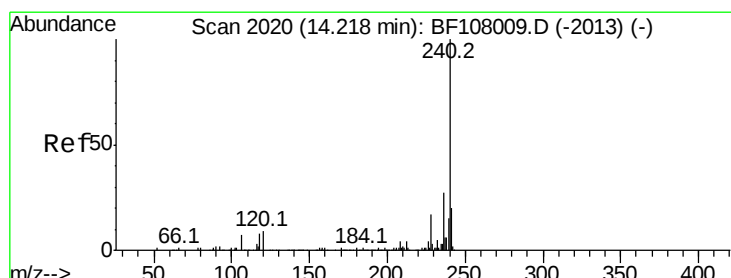
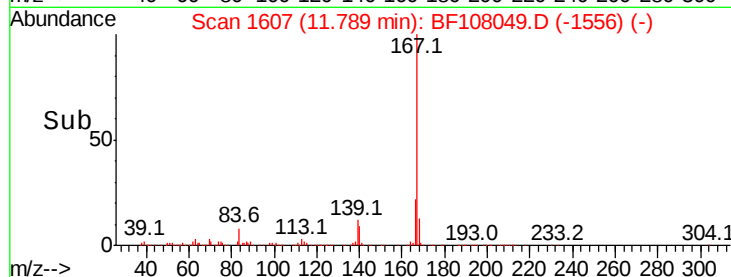
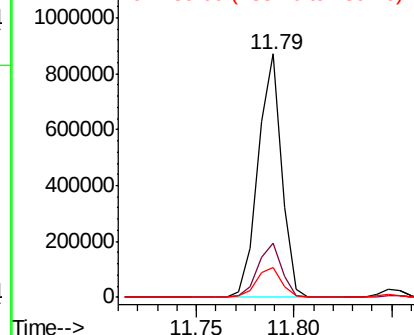
167 100

166 22.2 17.6 26.4

139 12.3 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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108049.D

Acq: 9 Aug 2018 13:46

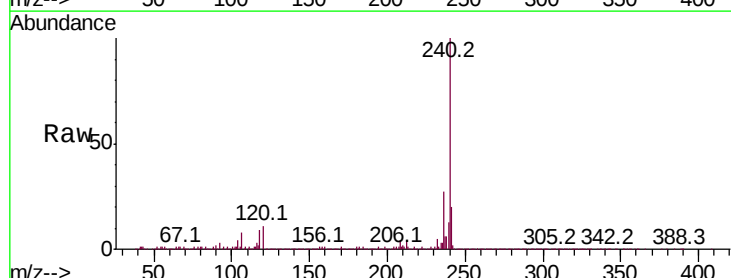
Tgt Ion:240 Resp: 864577

Ion Ratio Lower Upper

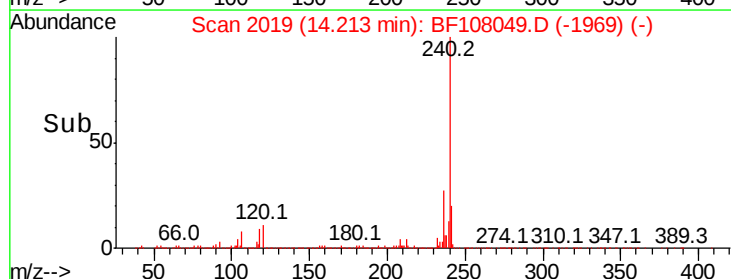
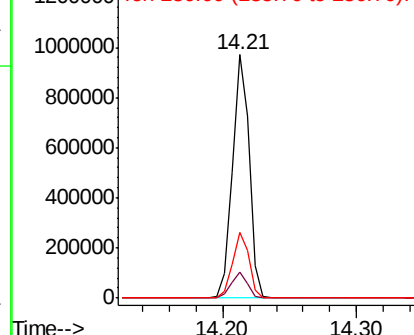
240 100

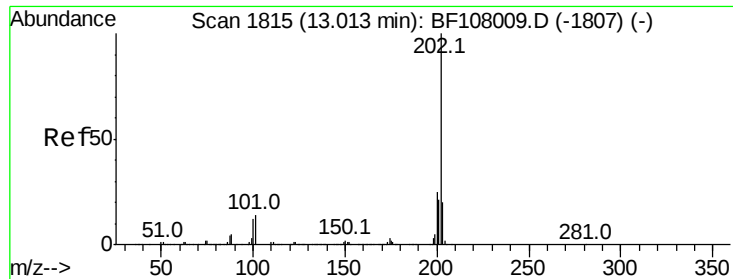
120 10.7 9.5 14.3

236 27.0 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

Pvrene

Concen: 2.223 ng

RT: 13.01 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF108049.D

Acq: 9 Aug 2018 13:46

Instrument :

BNA_F

ClientSampleId :

GW-04DL

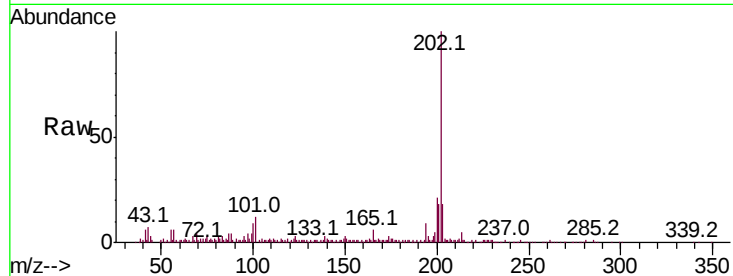
Tot Ion:202 Resp: 121691

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

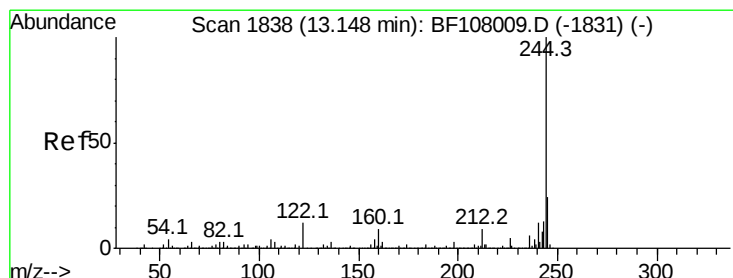
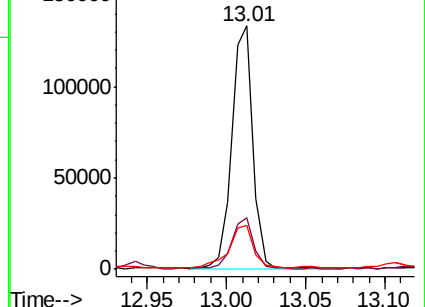
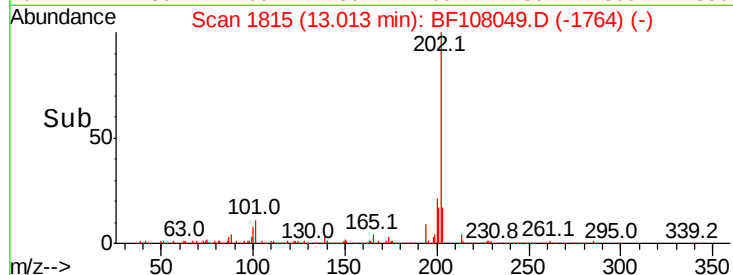
203 18.1 14.3 21.5



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: 54.119 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108049.D

Acq: 9 Aug 2018 13:46

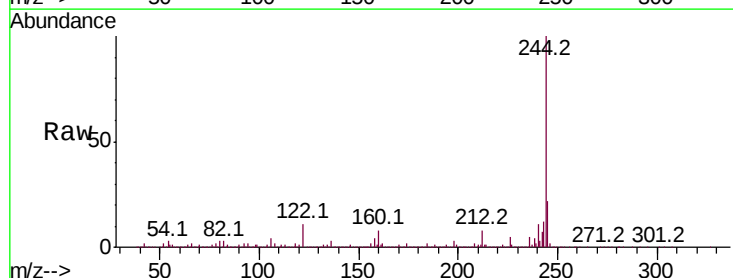
Tgt Ion:244 Resp: 1840269

Ion Ratio Lower Upper

244 100

212 7.9 5.4 8.0

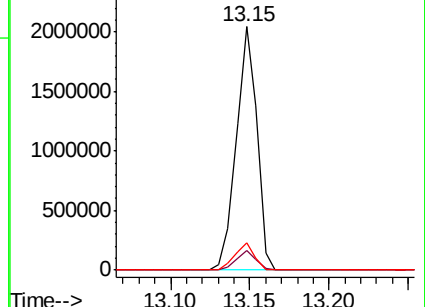
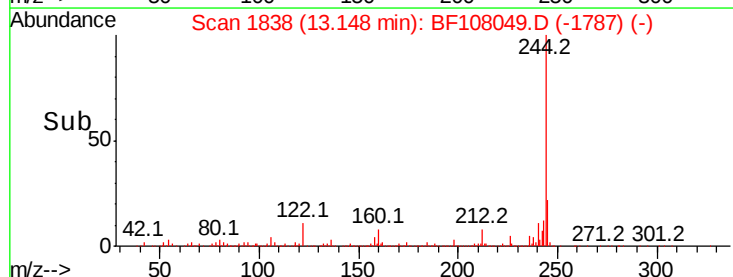
122 11.3 11.0 16.4

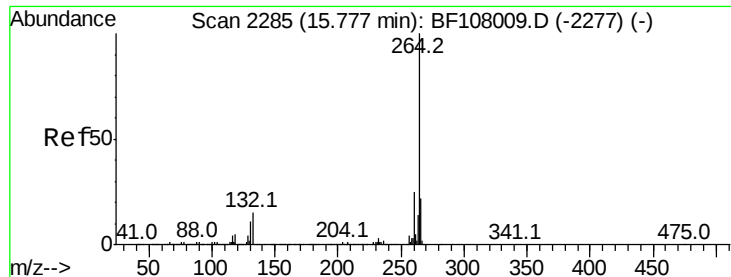


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

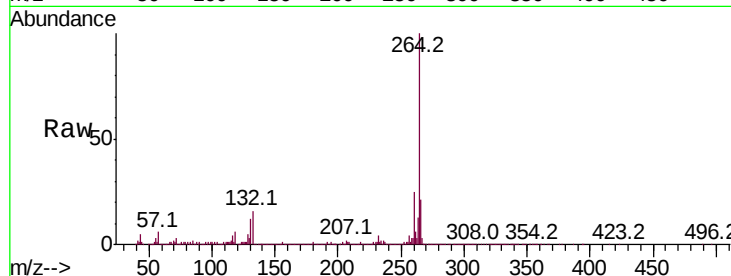




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.78 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: BF108049.D
 Acq: 9 Aug 2018 13:46

Instrument :
 BNA_F
 ClientSampleId :
 GW-04DL

Tot Ion:	264	Resp:	729352
Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	21.5	17.5	26.3



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

