

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091418\
 Data File : BG036737.D
 Acq On : 15 Sep 2018 12:21
 Operator : JU/SJ
 Sample : J4898-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ROLLOFF01-COMP-FILL

Quant Time: Sep 17 04:16:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 31 13:03:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	57749	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	230025	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	151228	20.00	ng	-0.01
63) Phenanthrene-d10	17.42	188	381233	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	422107	20.00	ng	-0.01
86) Perylene-d12	24.88	264	435549	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	379742	104.31	ng	0.00
7) Phenol-d6	7.21	99	496380	95.23	ng	0.00
23) Nitrobenzene-d5	9.21	82	371307	87.58	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	255926	141.83	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	835960	78.93	ng	-0.01
78) Terphenyl-d14	20.02	244	1477940	81.84	ng	0.00

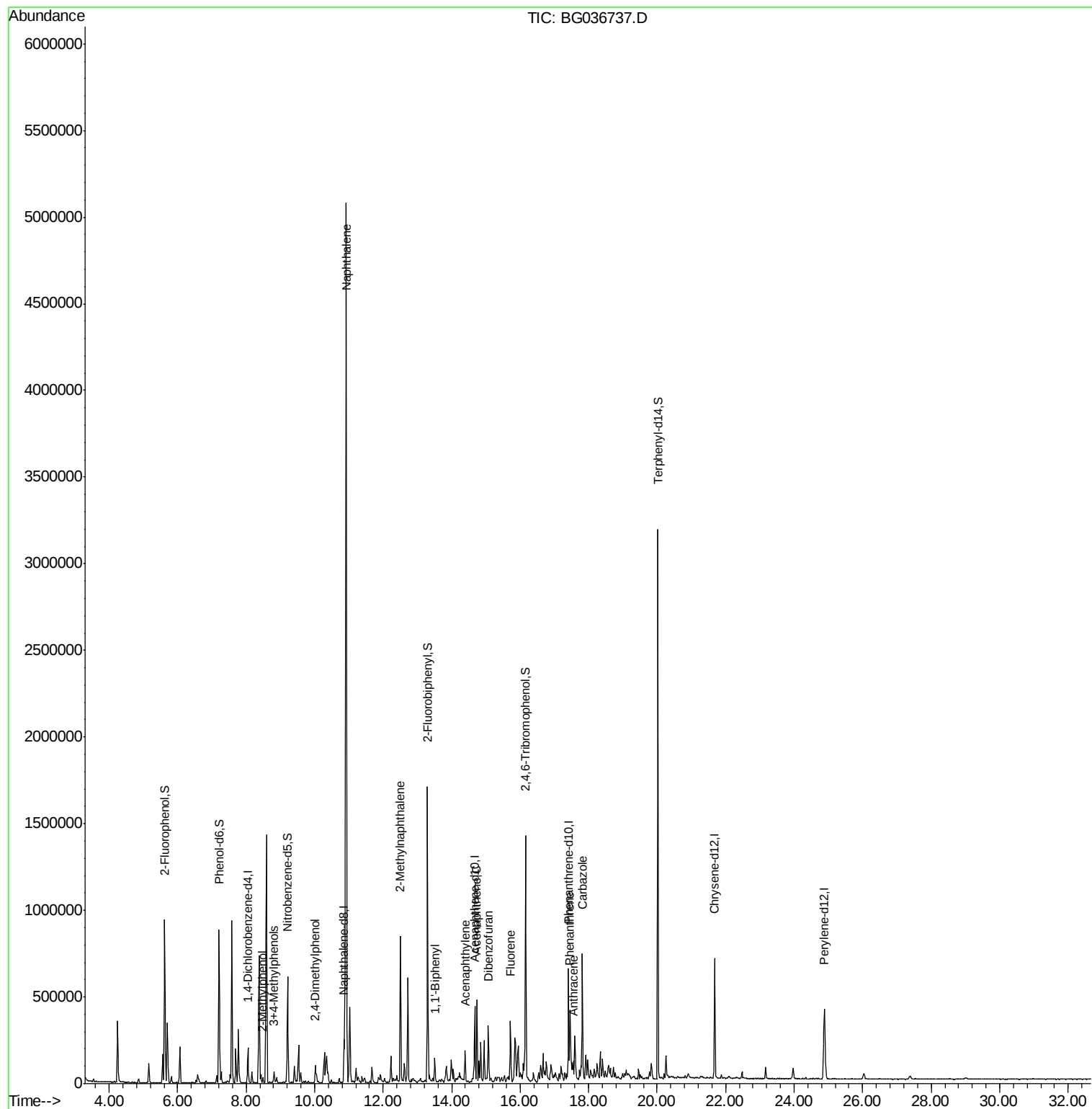
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) 2-Methylphenol	8.49	107	10605	2.928	ng	91
20) 3+4-Methylphenols	8.81	107	28614	5.659	ng	94
27) 2,4-Dimethylphenol	10.02	122	30016	8.949	ng	99
31) Naphthalene	10.92	128	3905633	339.658	ng	# 79
37) 2-Methylnaphthalene	12.50	142	401851	47.762	ng	98
45) 1,1'-Biphenyl	13.51	154	70505	5.617	ng	94
48) Acenaphthylene	14.40	152	104660	6.988	ng	99
51) Acenaphthene	14.74	154	168581	17.575	ng	98
54) Dibenzofuran	15.07	168	186241	12.393	ng	97
57) Fluorene	15.72	166	147108	13.095	ng	97
70) Phenanthrene	17.46	178	237795	12.275	ng	98
71) Anthracene	17.55	178	55338	2.866	ng	99
72) Carbazole	17.82	167	451055	23.389	ng	98

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091418\
Data File : BG036737.D
Acq On : 15 Sep 2018 12:21
Operator : JU/SJ
Sample : J4898-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ROLLOFF01-COMP-FILL

Quant Time: Sep 17 04:16:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 2018
Response via : Initial Calibration



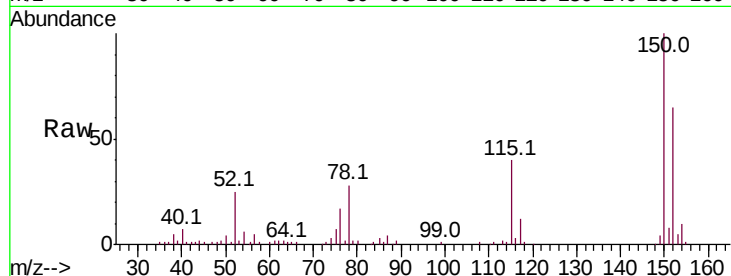


#1

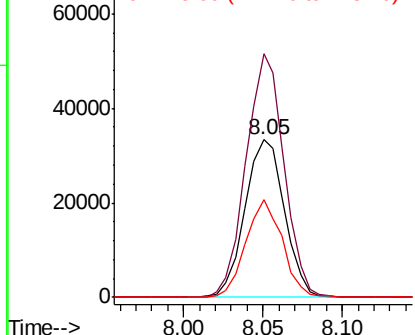
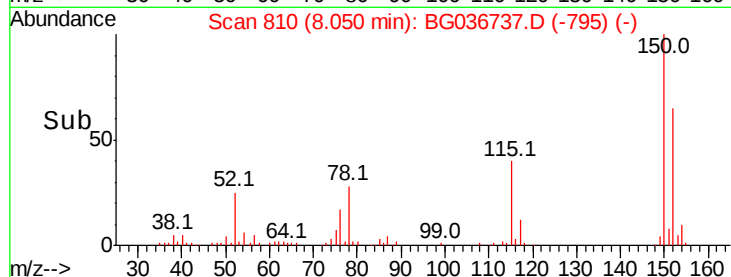
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BG036737.D
 Acq: 15 Sep 2018 12:21

Instrument :
 BNA_G
 ClientSampleId :
 ROLLOFF01-COMP-FILL

Tot Ion:152 Resp: 57749
 Ion Ratio Lower Upper
 152 100
 150 154.3 119.5 179.3
 115 61.7 44.5 66.7



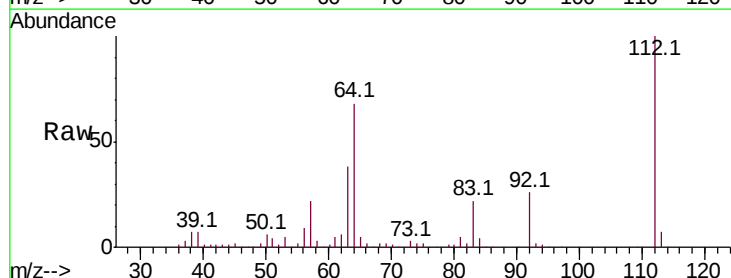
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



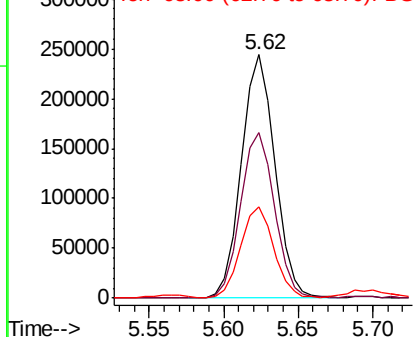
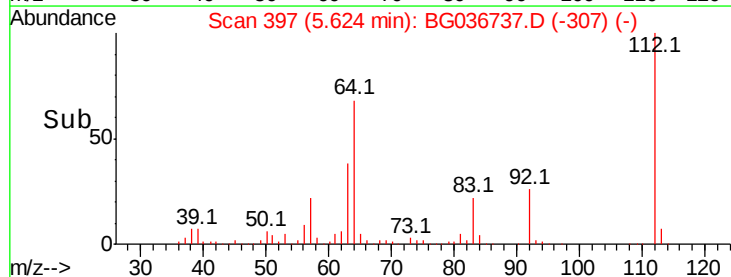
#5

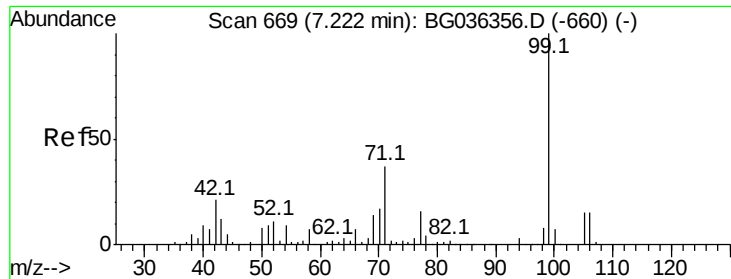
2-Fluorophenol
 Concen: 104.311 ng
 RT: 5.62 min Scan# 397
 Delta R.T. -0.00 min
 Lab File: BG036737.D
 Acq: 15 Sep 2018 12:21

Tgt Ion:112 Resp: 379742
 Ion Ratio Lower Upper
 112 100
 64 68.0 57.2 85.8
 63 37.7 30.8 46.2



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





#7

Phenol-d6

Concen: 95.233 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036737.D

Acq: 15 Sep 2018 12:21

Instrument :

BNA_G

ClientSampleId :

ROLLOFF01-COMP-FILL

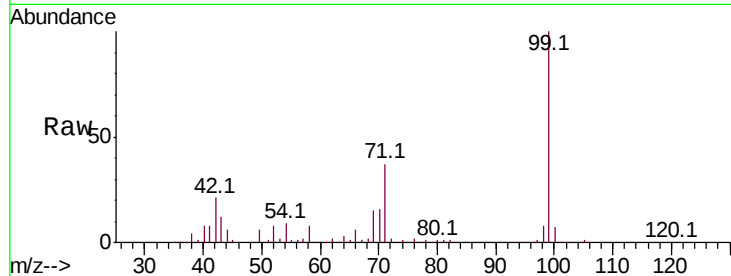
Tot Ion: 99 Resp: 496380

Ion Ratio Lower Upper

99 100

42 20.5 16.5 24.7

71 36.8 29.4 44.2

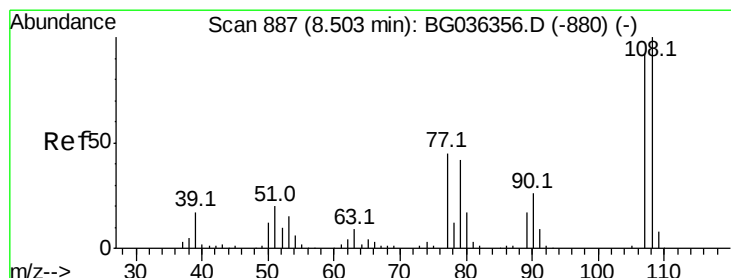
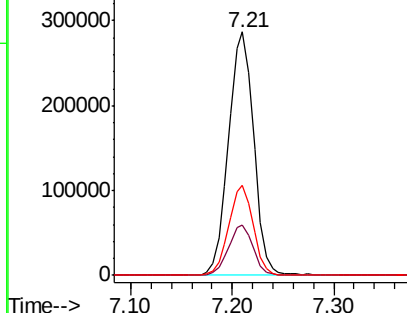
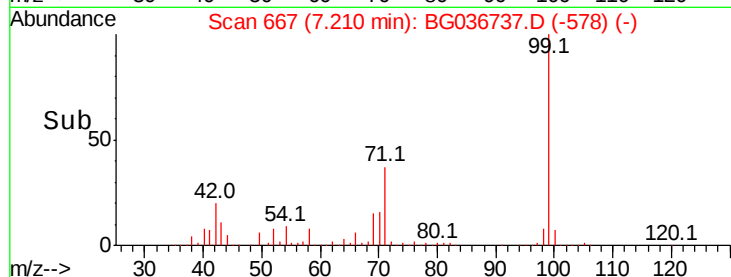


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#17

2-Methylphenol

Concen: 2.928 ng

RT: 8.49 min Scan# 884

Delta R.T. -0.01 min

Lab File: BG036737.D

Acq: 15 Sep 2018 12:21

Tgt Ion: 107 Resp: 10605

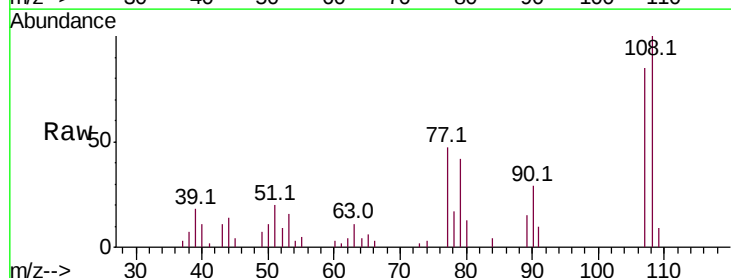
Ion Ratio Lower Upper

107 100

108 117.9 86.7 130.1

77 55.0 39.0 58.4

79 50.1 36.6 54.8



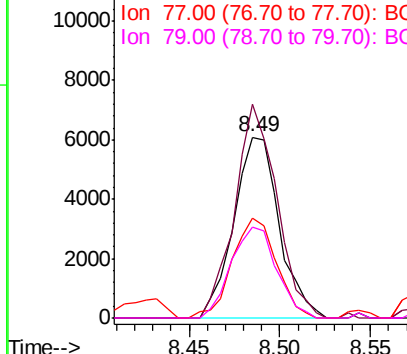
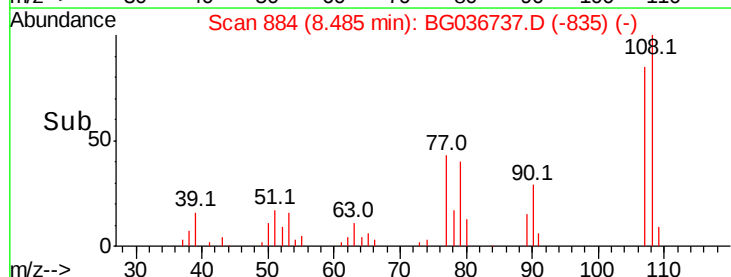
Abundance

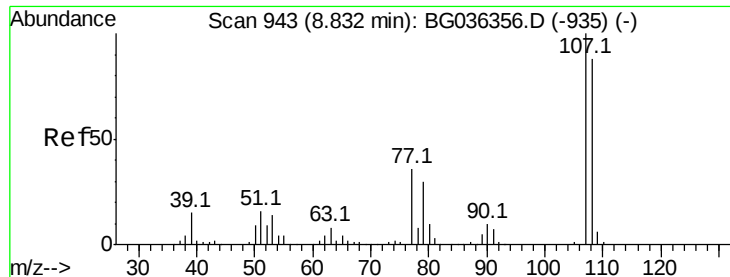
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

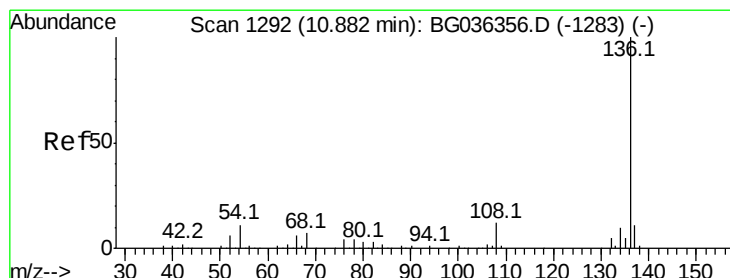
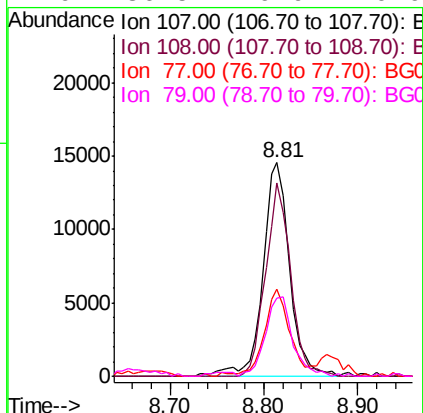
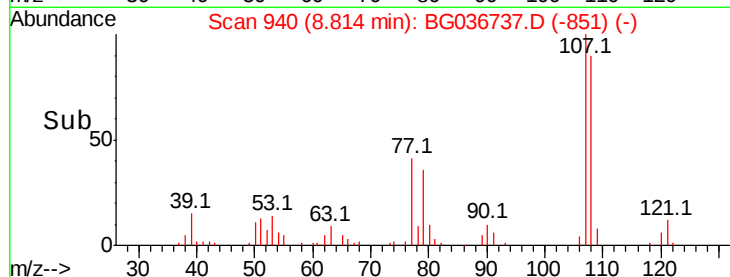
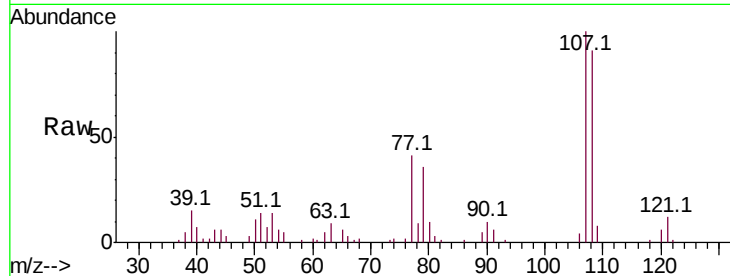




#20
3+4-Methylphenols
Concen: 5.659 ng
RT: 8.81 min Scan# 940
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

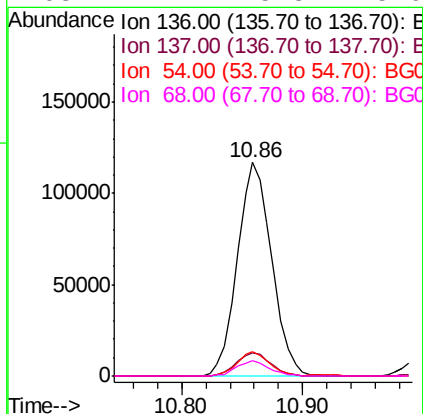
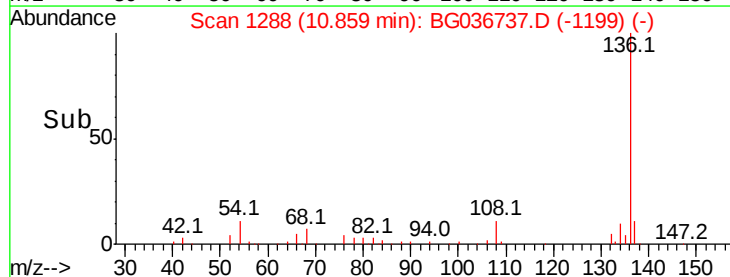
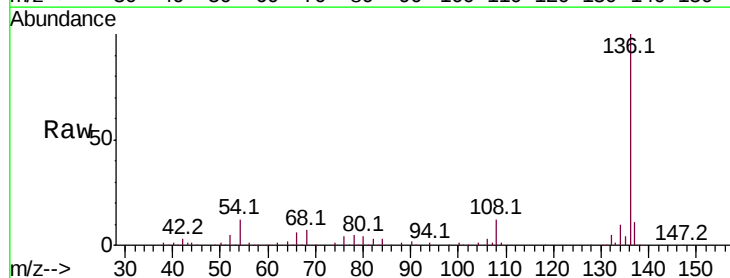
Instrument :
BNA_G
ClientSampleId :
ROLLOFF01-COMP-FILL

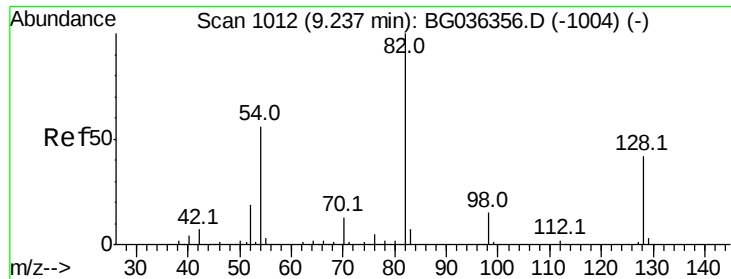
Tot Ion:107 Resp: 28614
Ion Ratio Lower Upper
107 100
108 90.6 68.0 108.0
77 40.8 15.6 55.6
79 36.5 9.9 49.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Tgt Ion:136 Resp: 230025
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 11.5 9.2 13.8
68 7.1 5.8 8.6

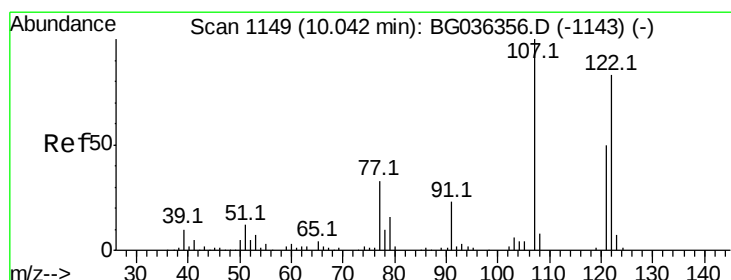
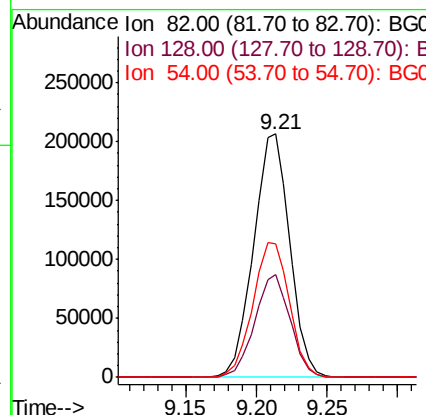
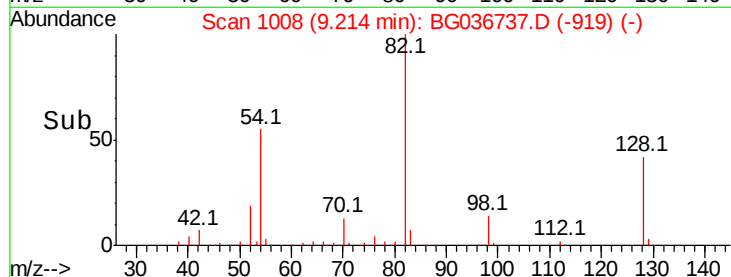
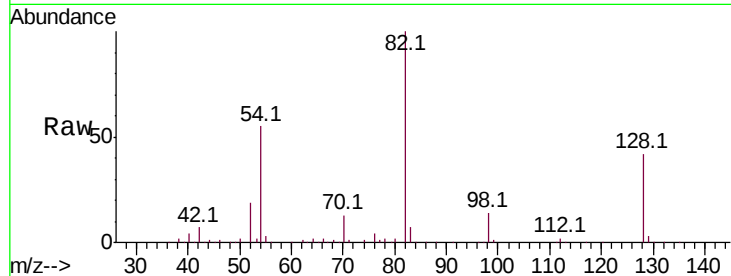




#23
 Nitrobenzene-d5
 Concen: 87.581 ng
 RT: 9.21 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: BG036737.D
 Acq: 15 Sep 2018 12:21

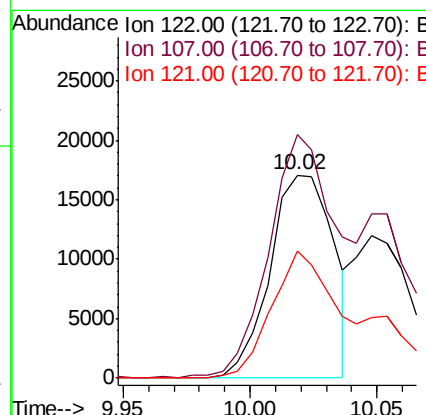
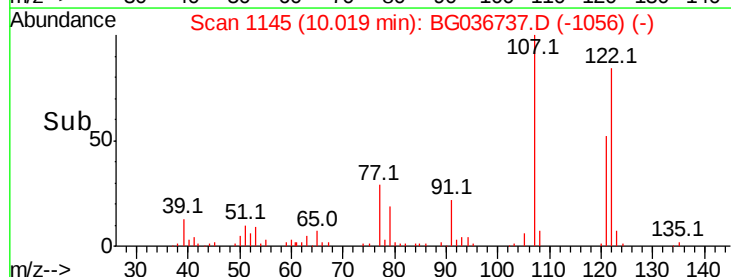
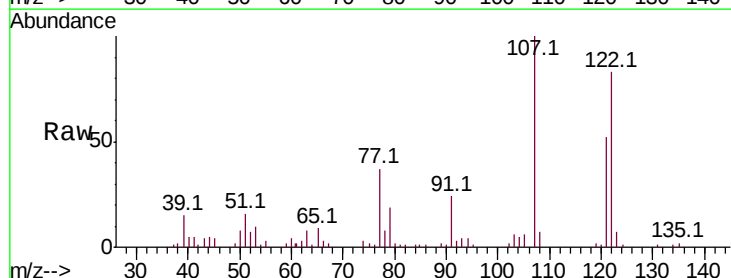
Instrument :
 BNA_G
 ClientSampleId :
 ROLLOFF01-COMP-FILL

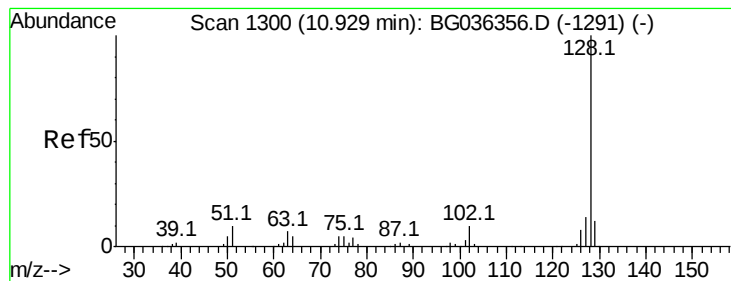
Tot Ion: 82 Resp: 371307
 Ion Ratio Lower Upper
 82 100
 128 42.4 33.3 49.9
 54 55.0 45.1 67.7



#27
 2,4-Dimethylphenol
 Concen: 8.949 ng
 RT: 10.02 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: BG036737.D
 Acq: 15 Sep 2018 12:21

Tgt Ion: 122 Resp: 30016
 Ion Ratio Lower Upper
 122 100
 107 119.8 96.0 144.0
 121 62.6 48.2 72.4





#31

Naphthalene

Concen: 339.658 ng

RT: 10.92 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BG036737.D

Acq: 15 Sep 2018 12:21

Instrument :

BNA_G

ClientSampleId :

ROLLOFF01-COMP-FILL

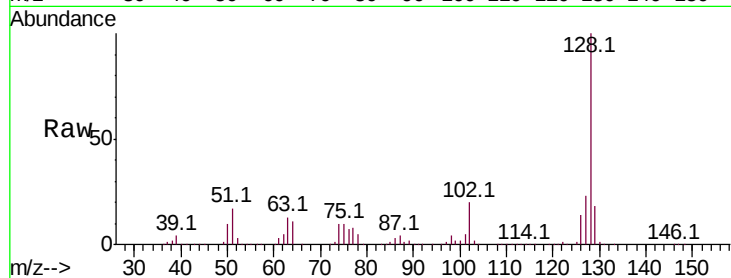
Tot Ion:128 Resp: 3905633

Ion Ratio Lower Upper

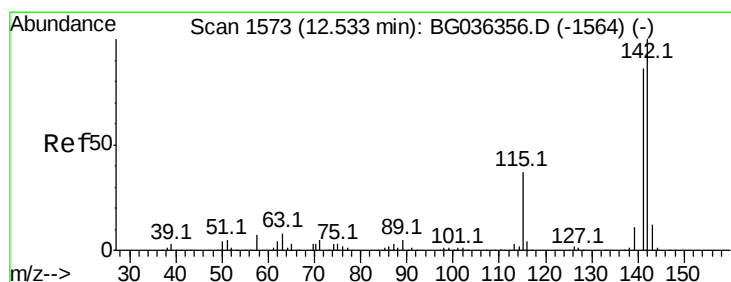
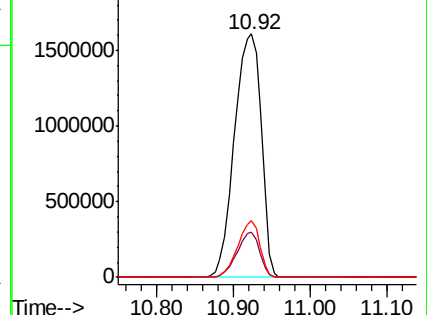
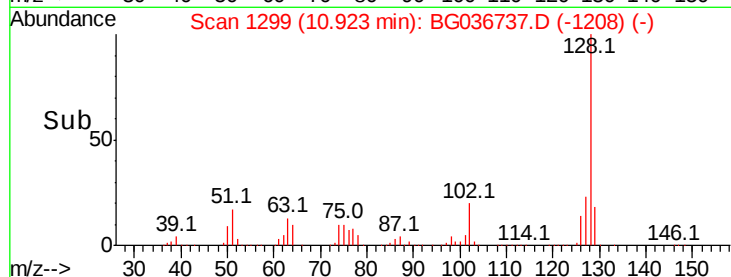
128 100

129 18.4 9.4 14.2#

127 23.5 11.0 16.4#



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: 47.762 ng

RT: 12.50 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BG036737.D

Acq: 15 Sep 2018 12:21

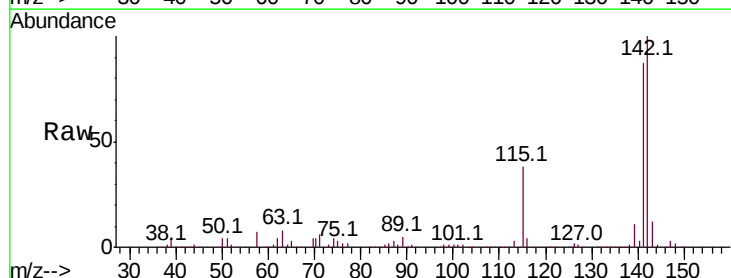
Tgt Ion:142 Resp: 401851

Ion Ratio Lower Upper

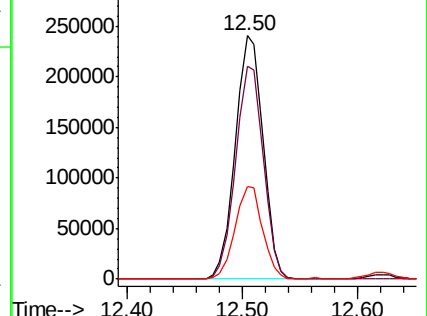
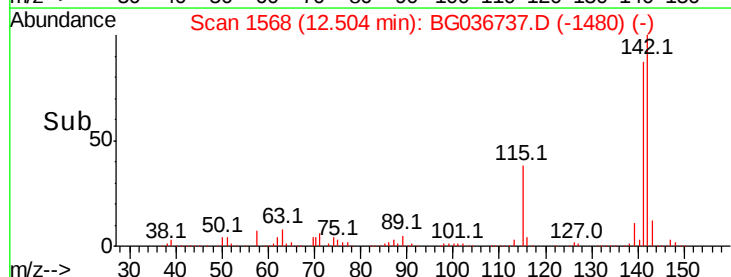
142 100

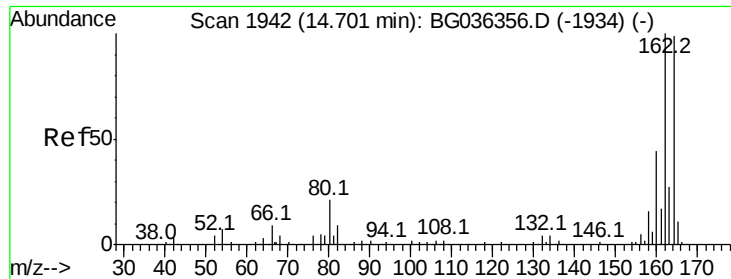
141 87.3 68.5 102.7

115 37.8 29.8 44.8



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: 14.67 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BG036737.D

Acq: 15 Sep 2018 12:21

Instrument :

BNA_G

ClientSampleId :

ROLLOFF01-COMP-FILL

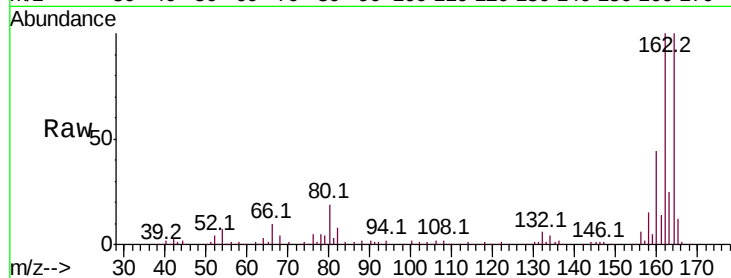
Tot Ion:164 Resp: 151228

Ion Ratio Lower Upper

164 100

162 99.5 80.7 121.1

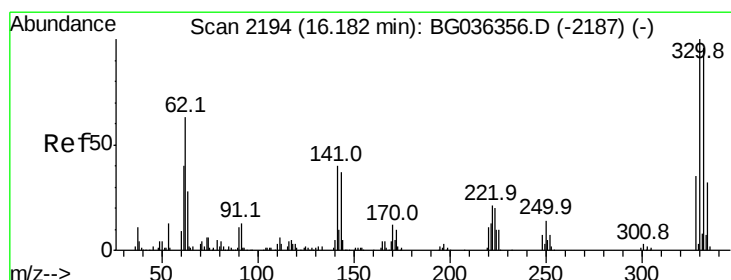
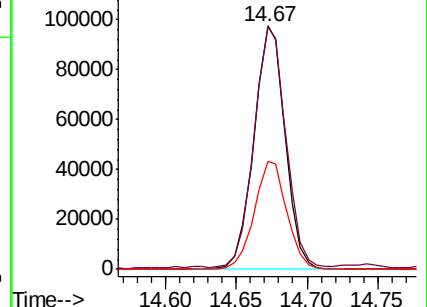
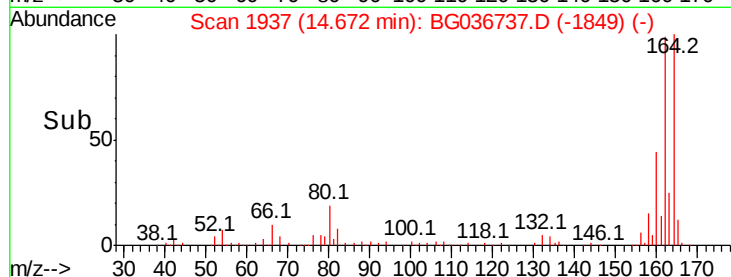
160 44.1 35.3 52.9



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: 141.827 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036737.D

Acq: 15 Sep 2018 12:21

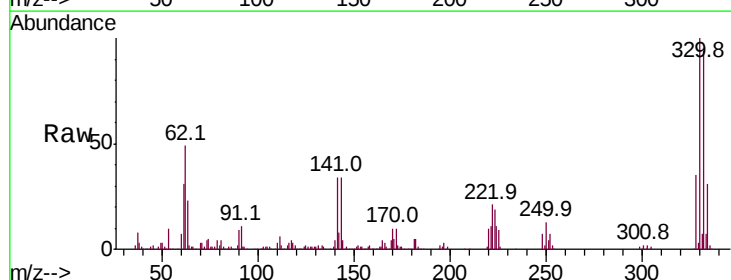
Tgt Ion:330 Resp: 255926

Ion Ratio Lower Upper

330 100

332 95.8 75.4 113.2

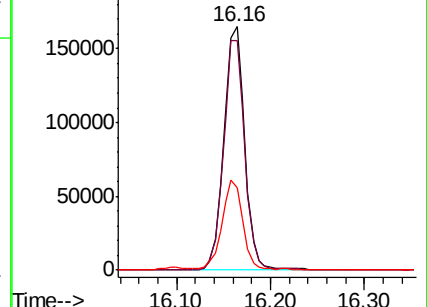
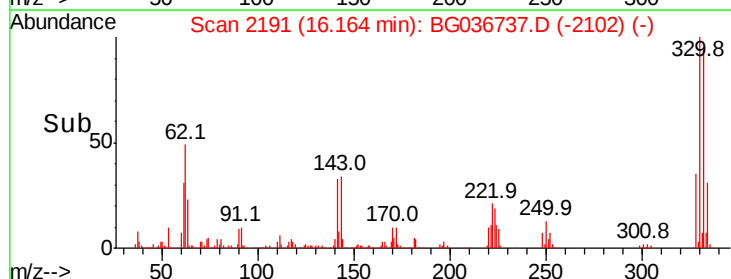
141 36.6 30.7 46.1

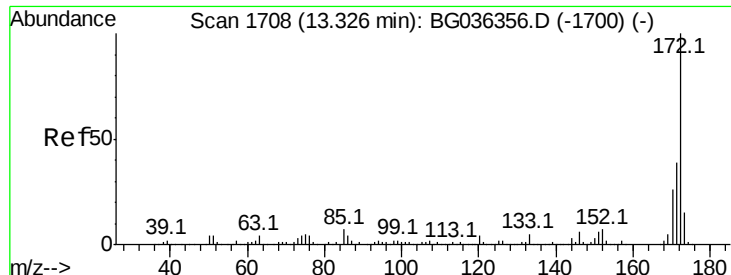


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

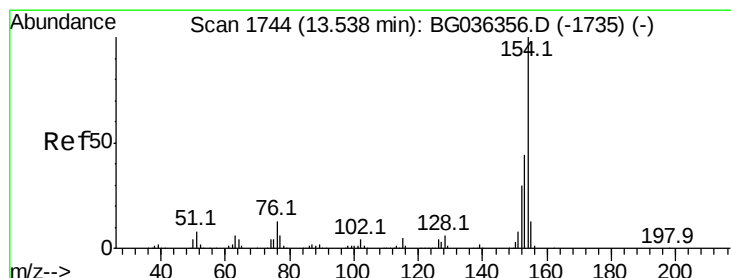
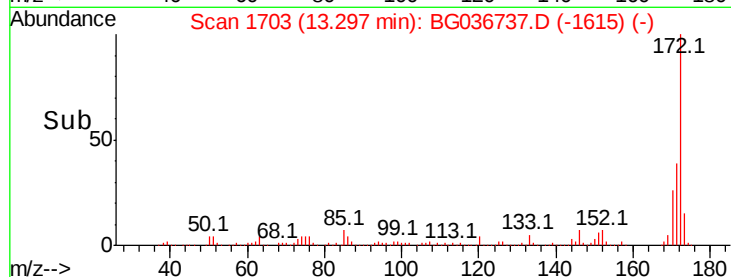
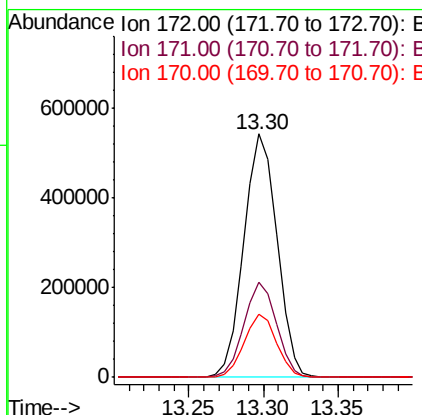
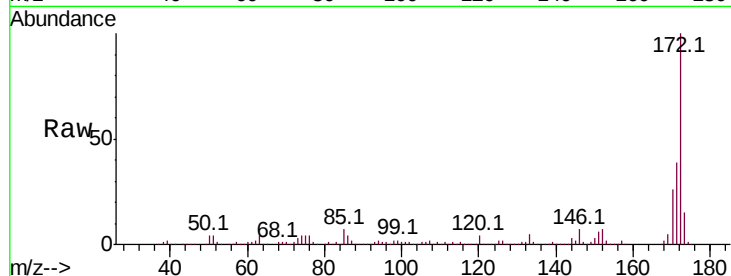




#44
 2-Fluorobiphenyl
 Concen: 78.927 ng
 RT: 13.30 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036737.D
 Acq: 15 Sep 2018 12:21

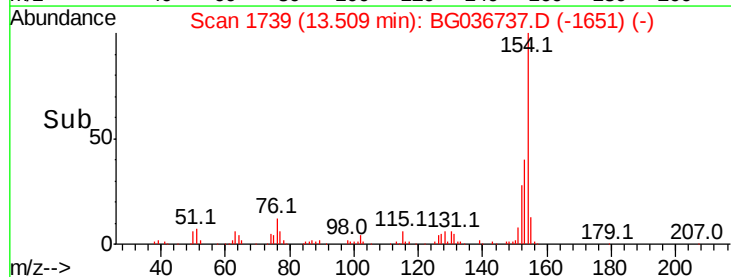
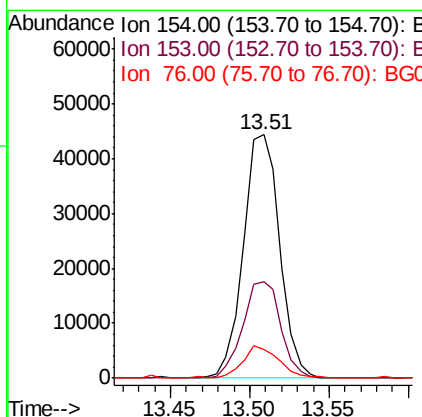
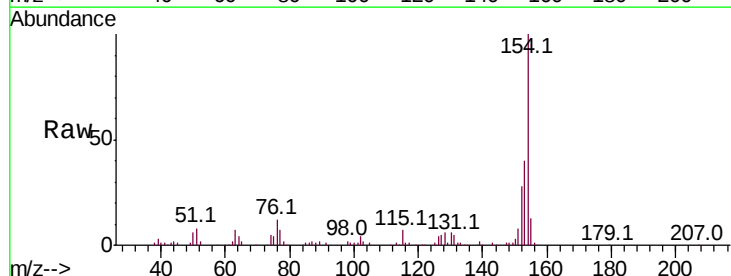
Instrument :
 BNA_G
 ClientSampleId :
 ROLLOFF01-COMP-FILL

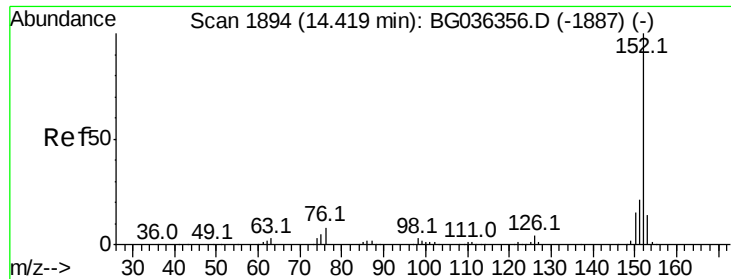
Tot Ion:172 Resp: 835960
 Ion Ratio Lower Upper
 172 100
 171 38.9 31.3 46.9
 170 25.9 21.0 31.6



#45
 1,1'-Biphenyl
 Concen: 5.617 ng
 RT: 13.51 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG036737.D
 Acq: 15 Sep 2018 12:21

Tgt Ion:154 Resp: 70505
 Ion Ratio Lower Upper
 154 100
 153 39.5 24.0 64.0
 76 11.5 0.0 32.9





#48

Acenaphthylene

Concen: 6.988 ng

RT: 14.40 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BG036737.D

Acq: 15 Sep 2018 12:21

Instrument :

BNA_G

ClientSampleId :

ROLLOFF01-COMP-FILL

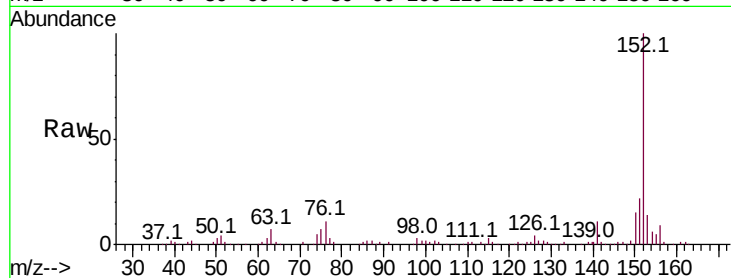
Tot Ion:152 Resp: 104660

Ion Ratio Lower Upper

152 100

151 21.7 16.9 25.3

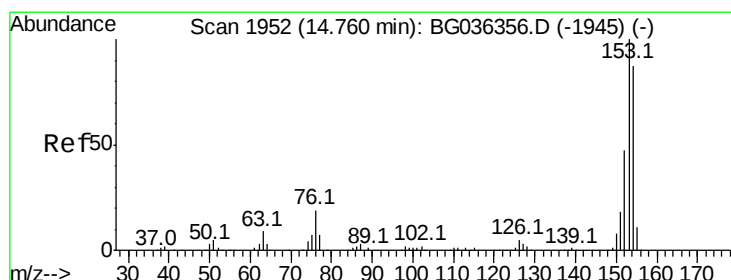
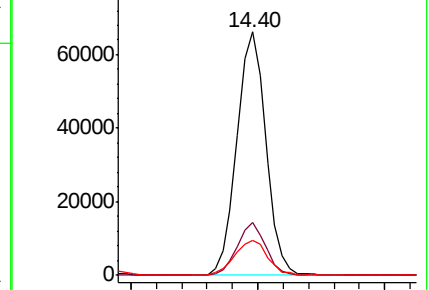
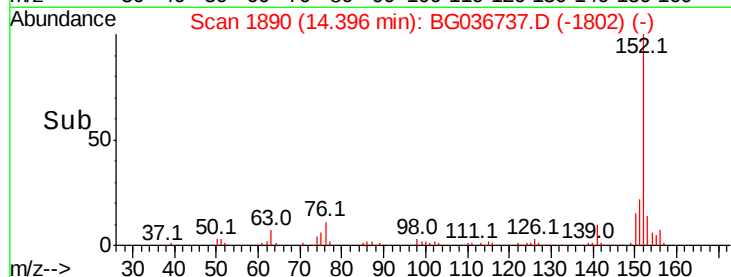
153 14.4 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 17.575 ng

RT: 14.74 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BG036737.D

Acq: 15 Sep 2018 12:21

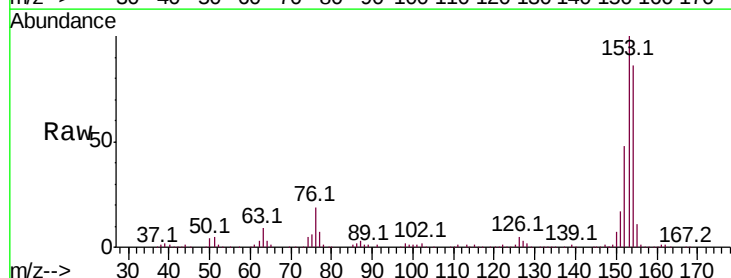
Tgt Ion:154 Resp: 168581

Ion Ratio Lower Upper

154 100

153 116.0 91.8 137.6

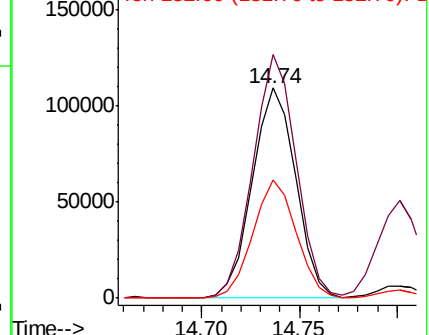
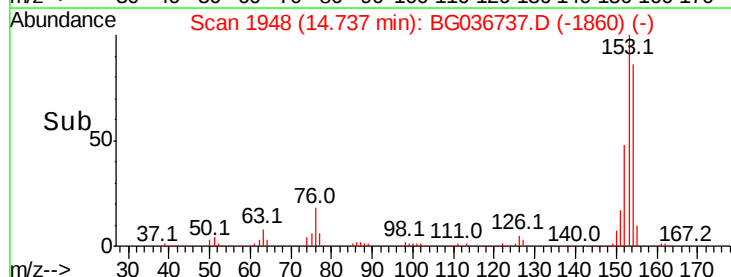
152 56.0 43.5 65.3

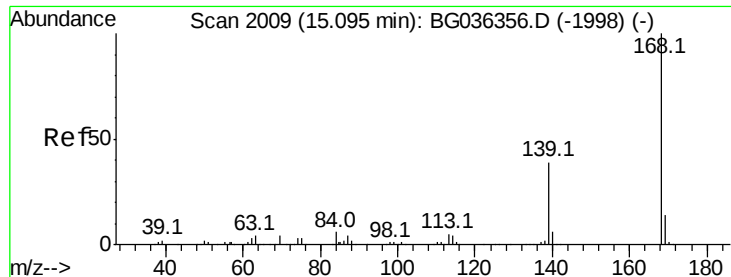


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 12.393 ng

RT: 15.07 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BG036737.D

Acq: 15 Sep 2018 12:21

Instrument :

BNA_G

ClientSampleId :

ROLLOFF01-COMP-FILL

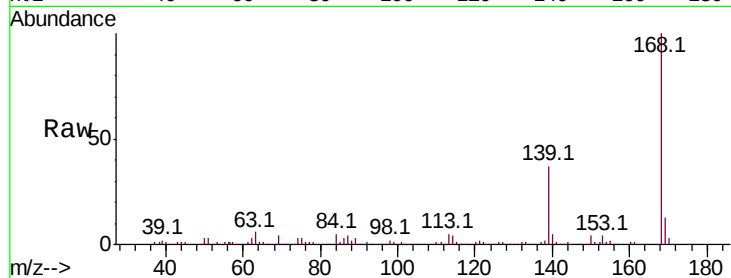
Tot Ion:168 Resp: 186241

Ion Ratio Lower Upper

168 100

139 36.8 31.0 46.6

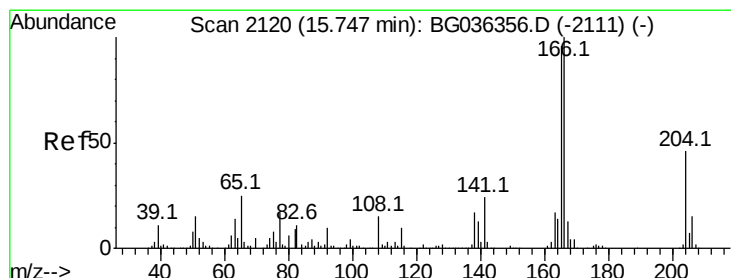
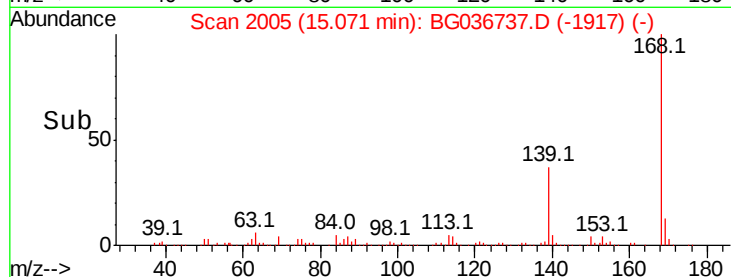
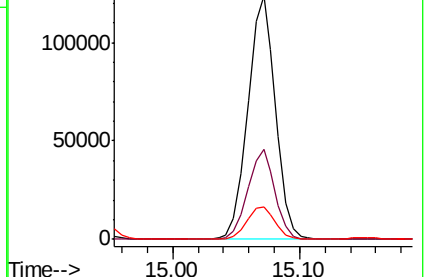
169 13.3 11.1 16.7



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: 13.095 ng

RT: 15.72 min Scan# 2115

Delta R.T. -0.01 min

Lab File: BG036737.D

Acq: 15 Sep 2018 12:21

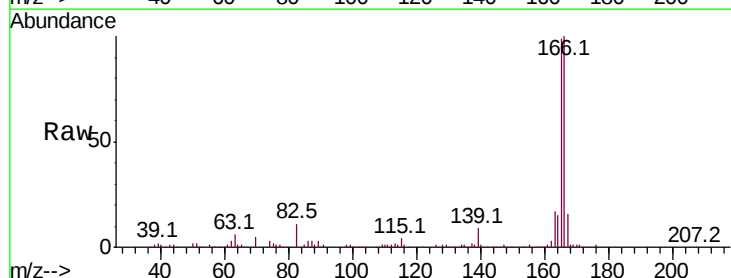
Tgt Ion:166 Resp: 147108

Ion Ratio Lower Upper

166 100

165 98.7 77.0 115.4

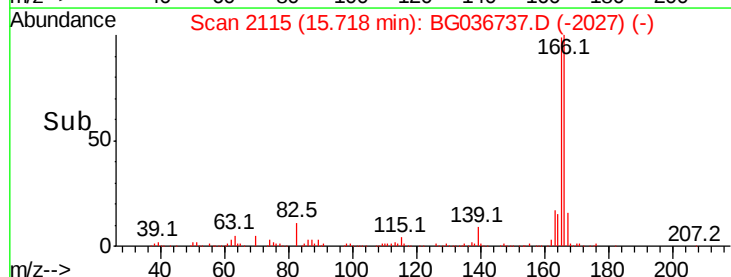
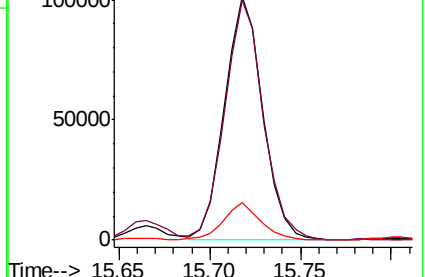
167 15.5 10.6 16.0

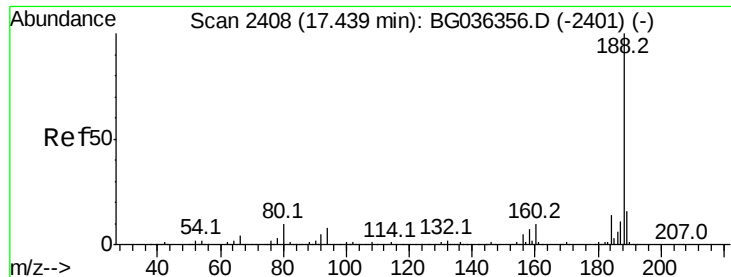


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

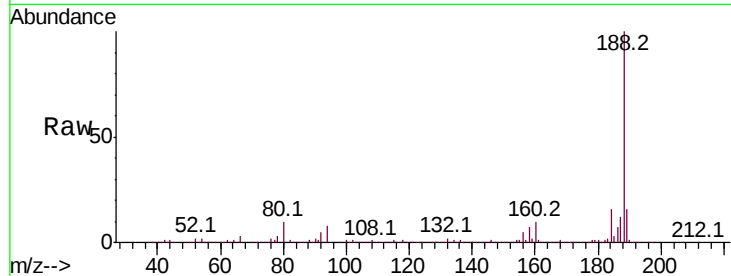




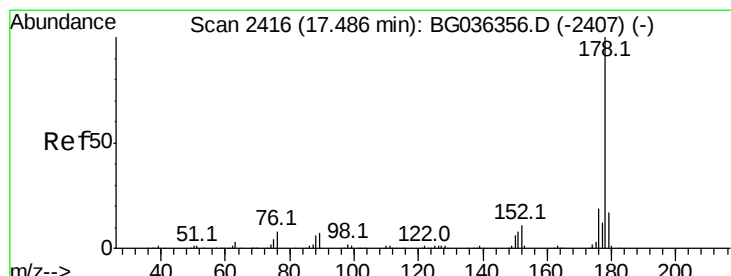
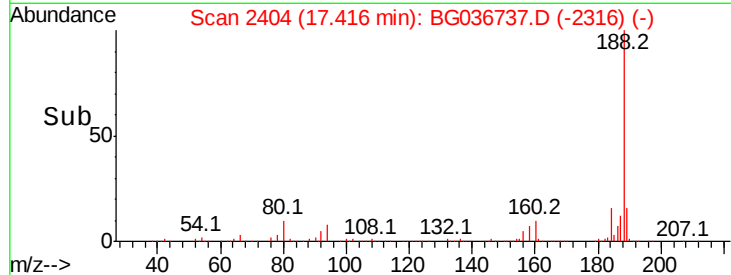
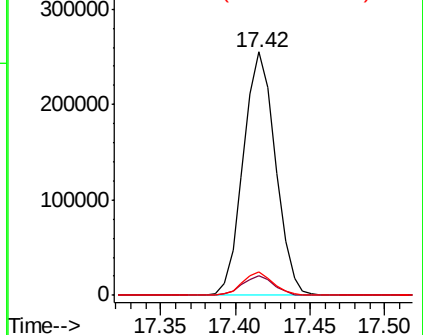
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Instrument :
BNA_G
ClientSampleId :
ROLLOFF01-COMP-FILL

Tot Ion:188 Resp: 381233
Ion Ratio Lower Upper
188 100
94 7.8 6.7 10.1
80 9.5 8.1 12.1

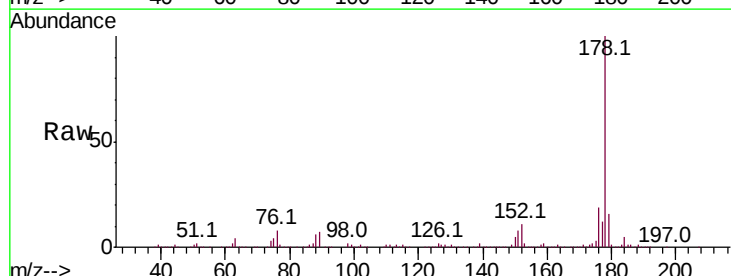


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

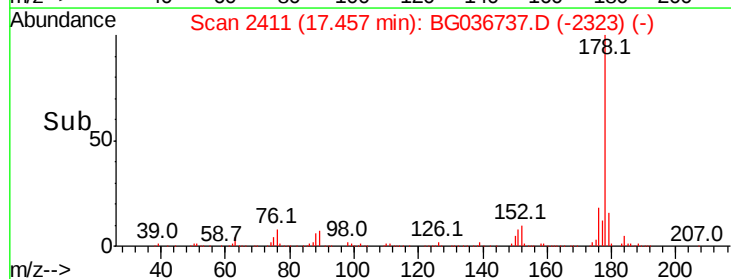
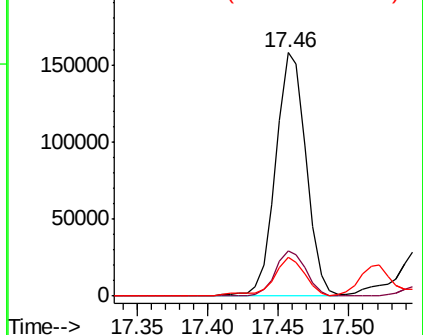


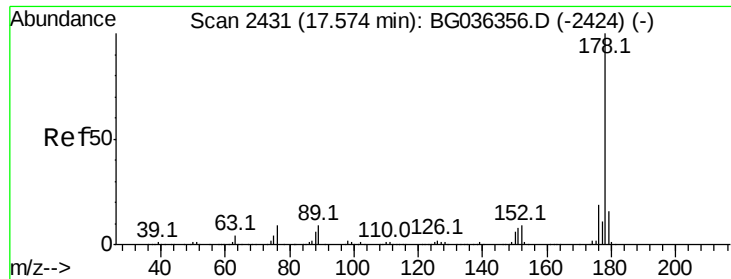
#70
Phenanthrene
Concen: 12.275 ng
RT: 17.46 min Scan# 2411
Delta R.T. -0.01 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Tgt Ion:178 Resp: 237795
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.8 13.4 20.2



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

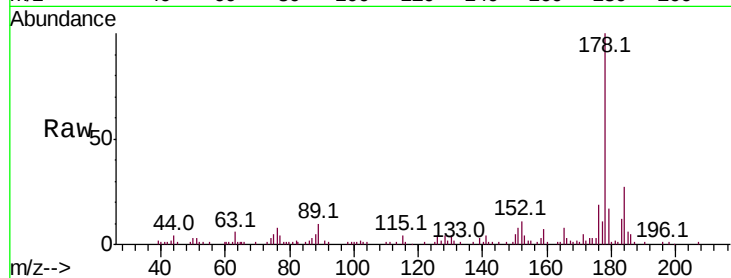




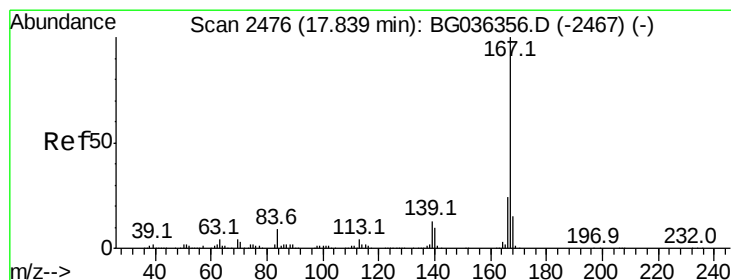
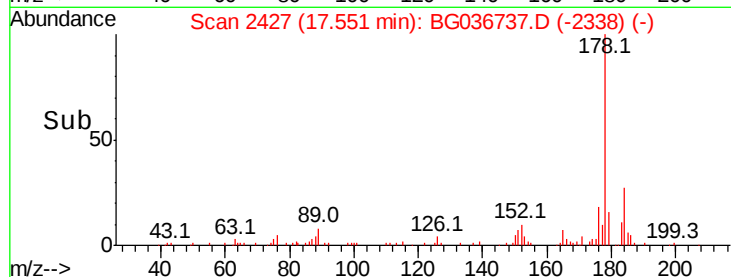
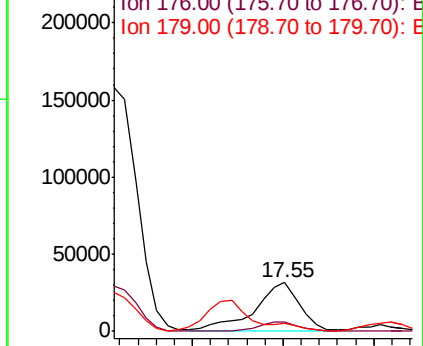
#71
 Anthracene
 Concen: 2.866 ng
 RT: 17.55 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BG036737.D
 Acq: 15 Sep 2018 12:21

Instrument :
 BNA_G
 ClientSampleId :
 ROLLOFF01-COMP-FILL

Tot Ion:178 Resp: 55338
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 16.6 13.0 19.4

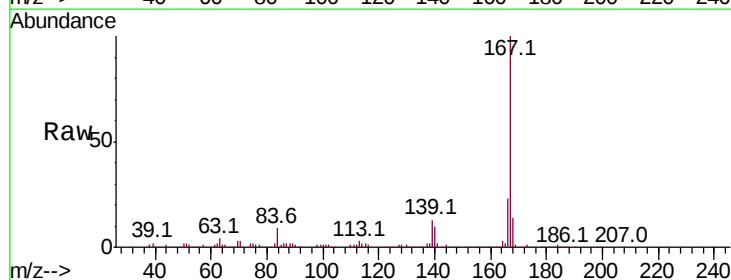


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

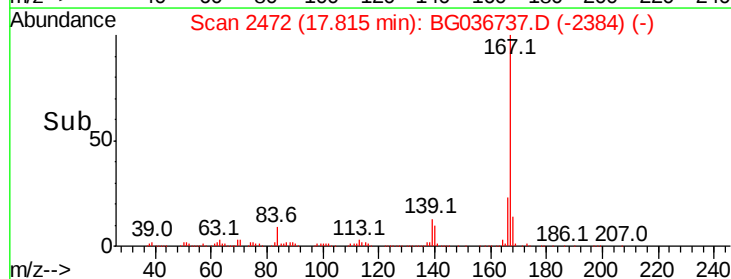
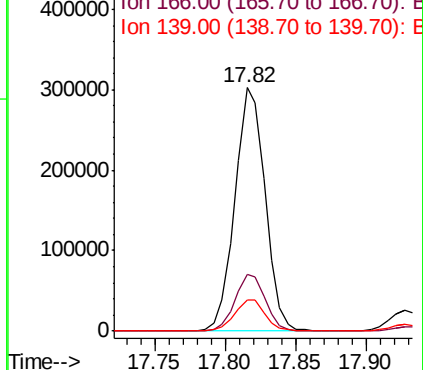


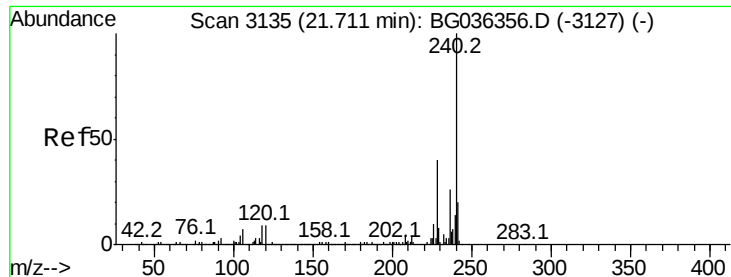
#72
 Carbazole
 Concen: 23.389 ng
 RT: 17.82 min Scan# 2472
 Delta R.T. -0.01 min
 Lab File: BG036737.D
 Acq: 15 Sep 2018 12:21

Tgt Ion:167 Resp: 451055
 Ion Ratio Lower Upper
 167 100
 166 23.1 19.5 29.3
 139 12.9 10.7 16.1



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: 21.68 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG036737.D

Acq: 15 Sep 2018 12:21

Instrument :

BNA_G

ClientSampleId :

ROLLOFF01-COMP-FILL

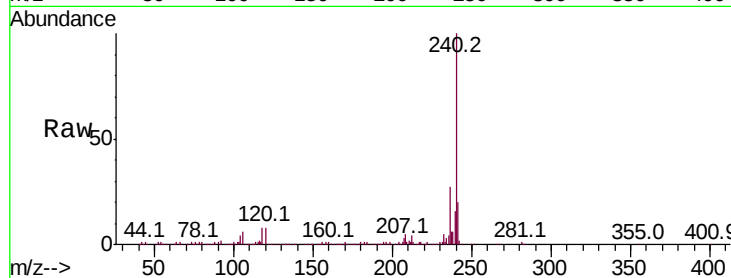
Tot Ion:240 Resp: 422107

Ion Ratio Lower Upper

240 100

120 8.1 6.9 10.3

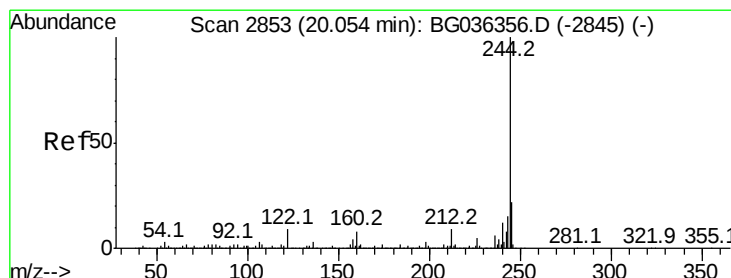
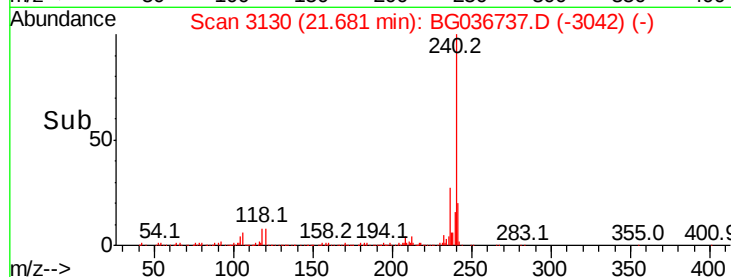
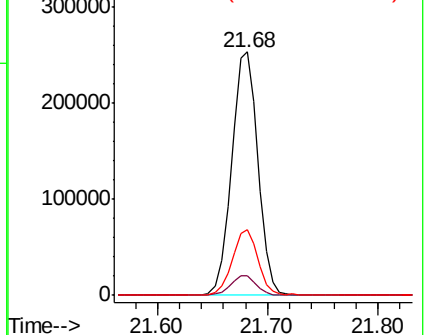
236 26.9 21.2 31.8



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



#78

Terphenyl-d14

Concen: 81.838 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036737.D

Acq: 15 Sep 2018 12:21

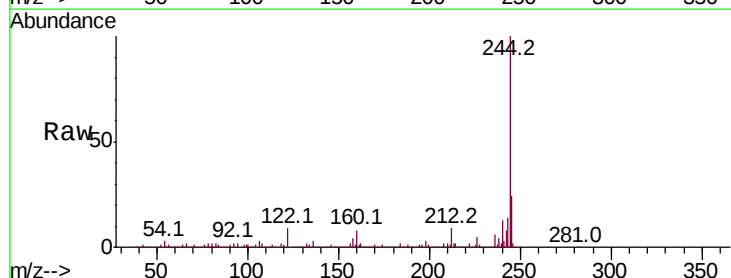
Tgt Ion:244 Resp: 1477940

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

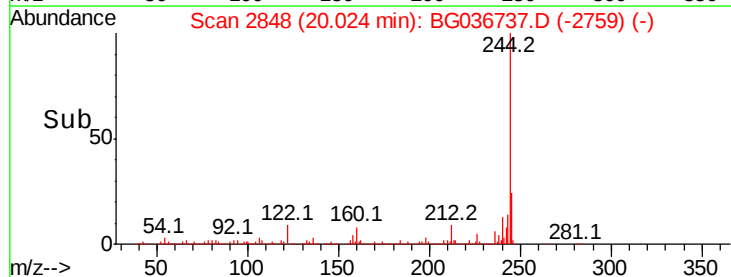
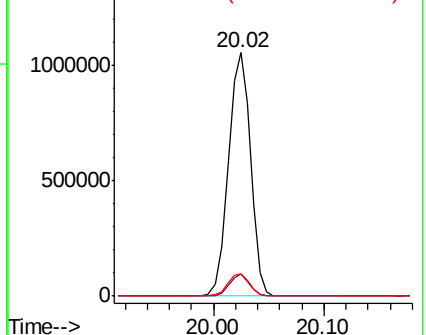
122 9.1 7.1 10.7

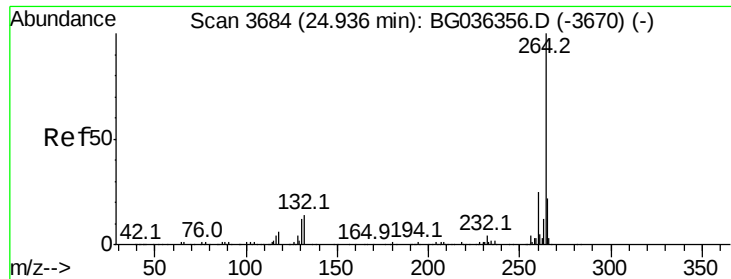


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.88 min Scan# 3675
Delta R.T. -0.02 min
Lab File: BG036737.D
Acq: 15 Sep 2018 12:21

Instrument :
BNA_G
ClientSampleId :
ROLLOFF01-COMP-FILL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	21.5	17.4	26.0

