

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091818\
 Data File : BG036787.D
 Acq On : 18 Sep 2018 15:53
 Operator : JU/SJ
 Sample : J4940-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 18 16:52:03 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	56879	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	225280	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	140570	20.00	ng	-0.01
63) Phenanthrene-d10	17.42	188	363112	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	382850	20.00	ng	-0.01
86) Perylene-d12	24.89	264	373042	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	387197	107.99	ng	0.00
7) Phenol-d6	7.21	99	483793	94.24	ng	-0.01
23) Nitrobenzene-d5	9.21	82	364049	87.68	ng	-0.01
41) 2,4,6-Tribromophenol	16.16	330	228295	136.11	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	801736	81.44	ng	-0.01
78) Terphenyl-d14	20.03	244	1391307	84.94	ng	0.00

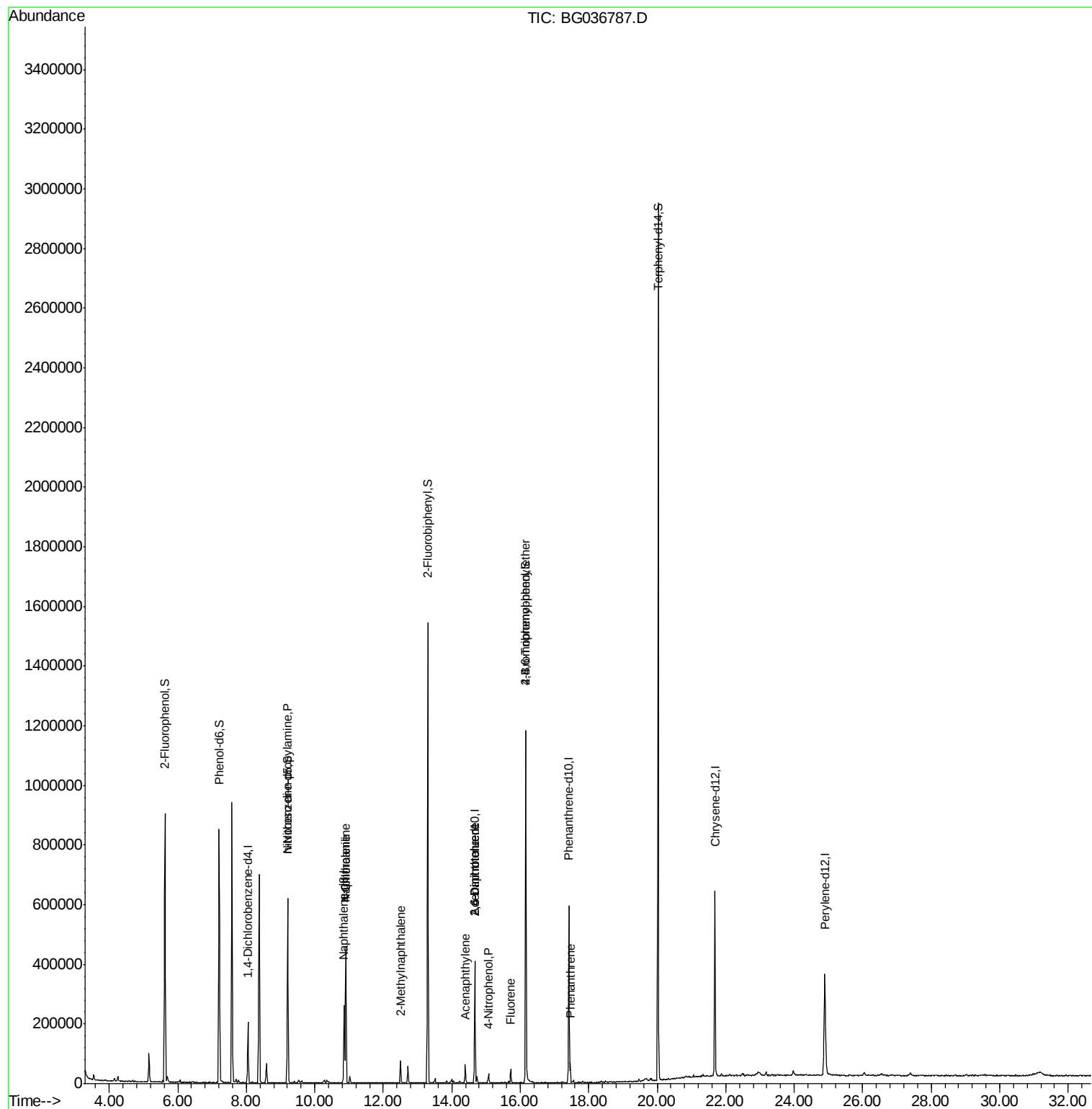
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.21	70	48711	12.696	ng	# 70
31) Naphthalene	10.90	128	383593	34.062	ng	98
33) 4-Chloroaniline	10.90	127	52216	10.118	ng	# 37
37) 2-Methylnaphthalene	12.51	142	36653	4.448	ng	92
48) Acenaphthylene	14.40	152	44346	3.185	ng	99
50) 2,6-Dinitrotoluene	14.67	165	19046	8.064	ng	# 21
55) 4-Nitrophenol	15.07	139	8144	3.913	ng	# 1
56) 2,4-Dinitrotoluene	14.67	165	19046	6.187	ng	# 20
57) Fluorene	15.72	166	20977	2.009	ng	92
66) 4-Bromophenyl-phenylether	16.16	248	16749	3.940	ng	# 1
70) Phenanthrene	17.46	178	42672	2.313	ng	96

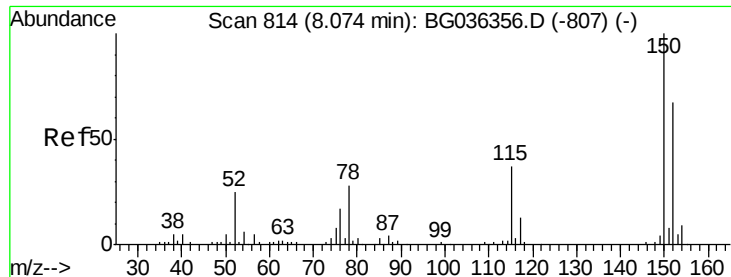
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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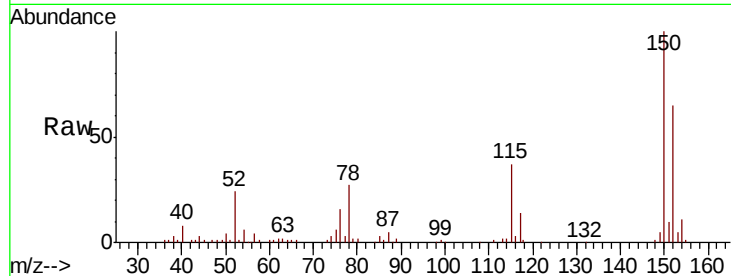


#1

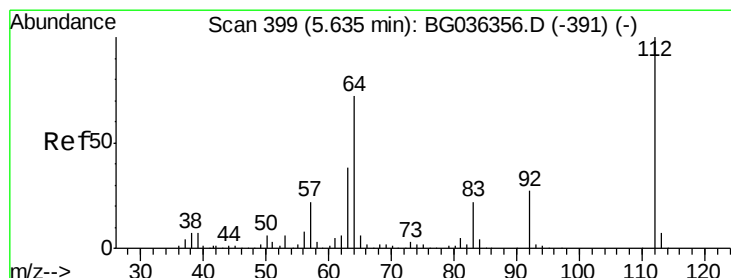
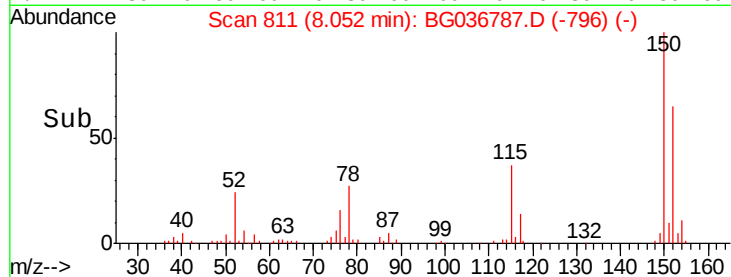
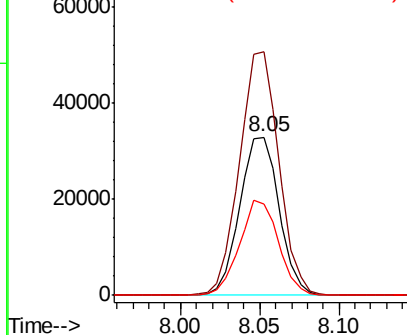
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG036787.D
Acq: 18 Sep 2018 15:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56879
Ion Ratio Lower Upper
152 100
150 154.1 119.5 179.3
115 57.7 44.5 66.7



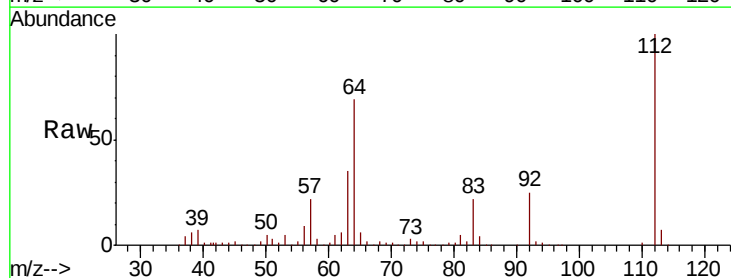
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



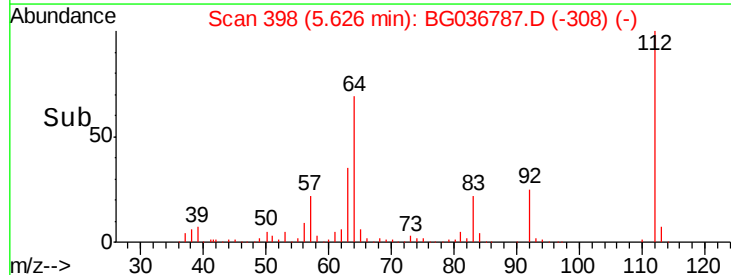
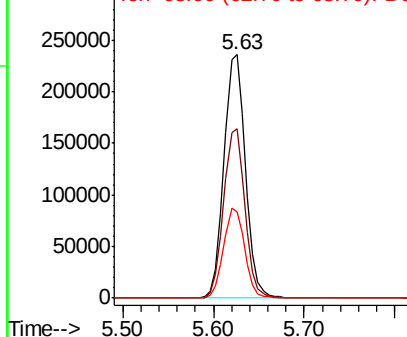
#5

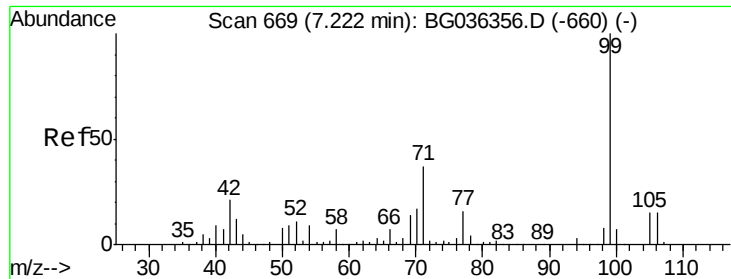
2-Fluorophenol
Concen: 107.985 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.00 min
Lab File: BG036787.D
Acq: 18 Sep 2018 15:53

Tgt Ion:112 Resp: 387197
Ion Ratio Lower Upper
112 100
64 69.4 57.2 85.8
63 35.3 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: 94.237 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036787.D

Acq: 18 Sep 2018 15:53

Instrument :

BNA_G

ClientSampleId :

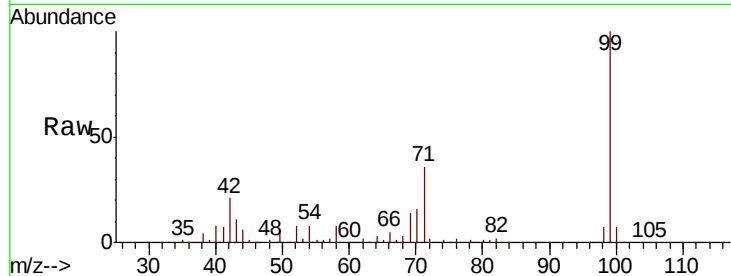
Tot Ion: 99 Resp: 483793

Ion Ratio Lower Upper

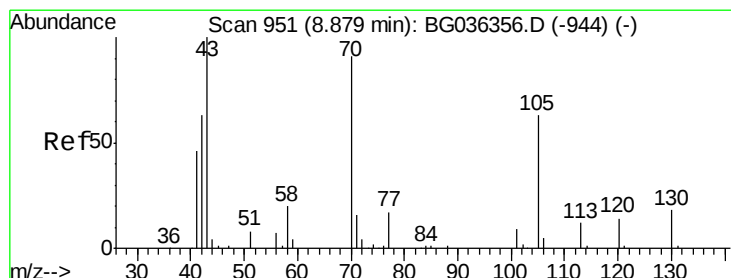
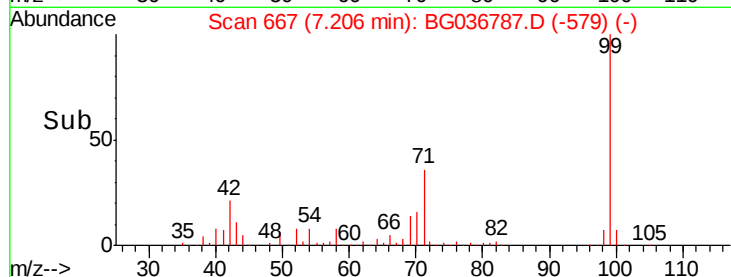
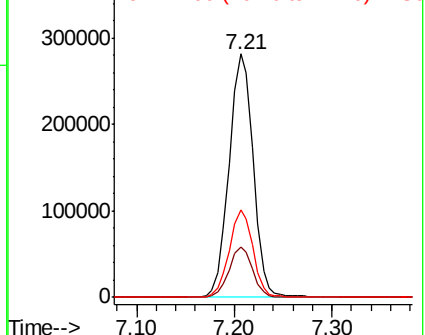
99 100

42 20.6 16.5 24.7

71 36.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 12.696 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036787.D

Acq: 18 Sep 2018 15:53

Tgt Ion: 70 Resp: 48711

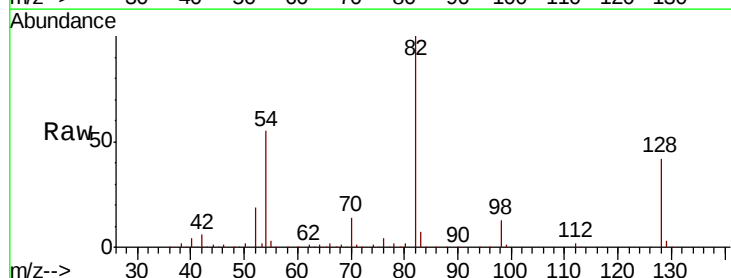
Ion Ratio Lower Upper

70 100

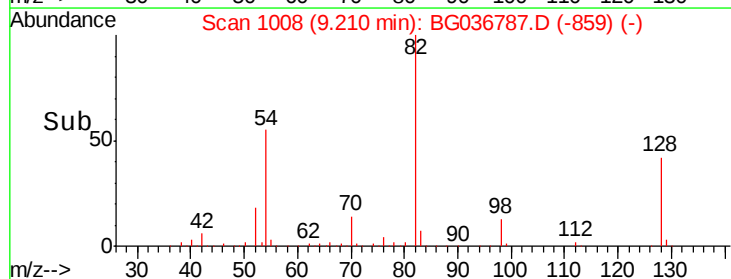
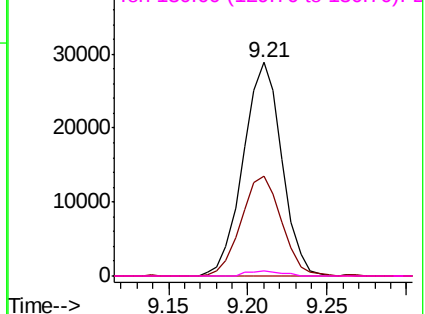
42 46.9 56.2 84.4#

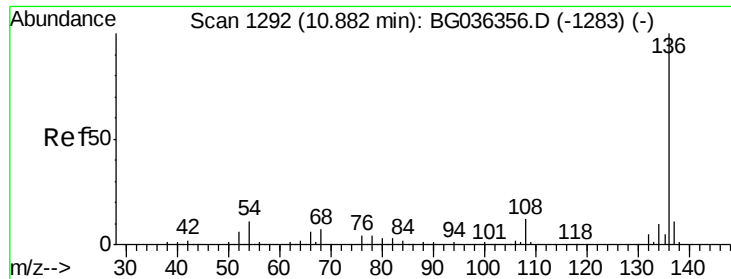
101 0.0 7.8 11.6#

130 2.5 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

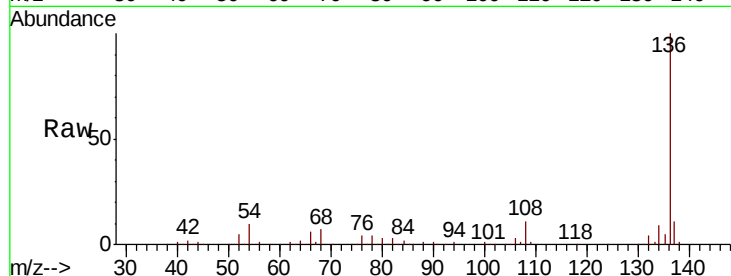




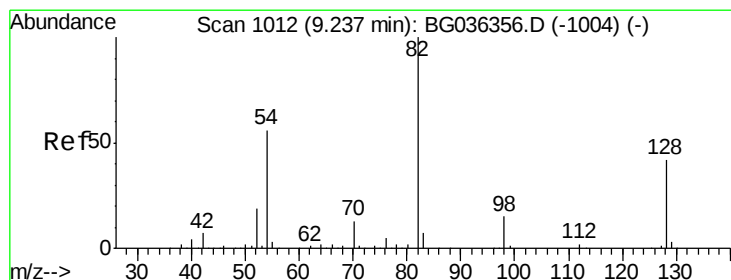
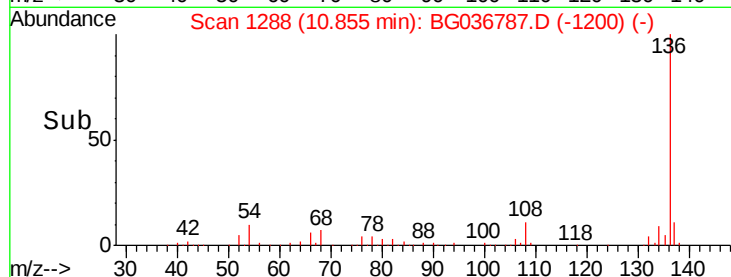
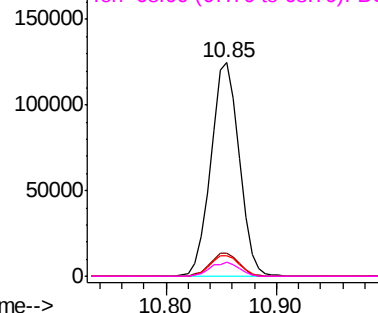
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036787.D
Acq: 18 Sep 2018 15:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	225280
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.8 13.2
54	9.7	9.2 13.8
68	6.8	5.8 8.6

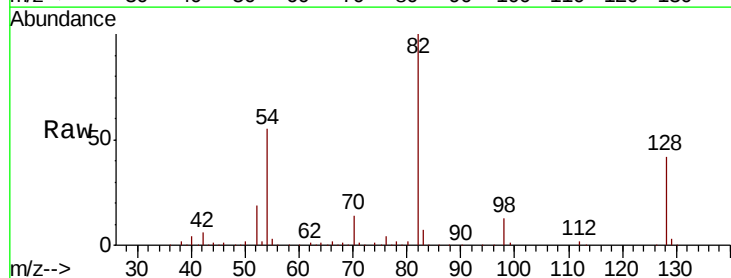


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

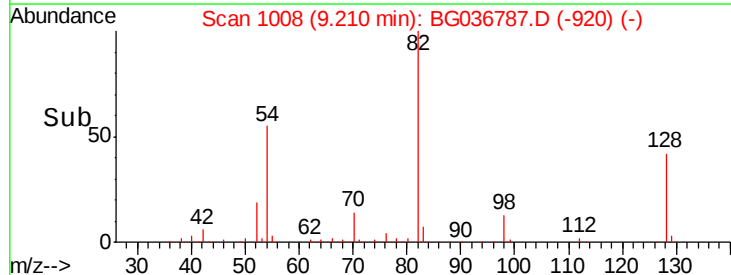
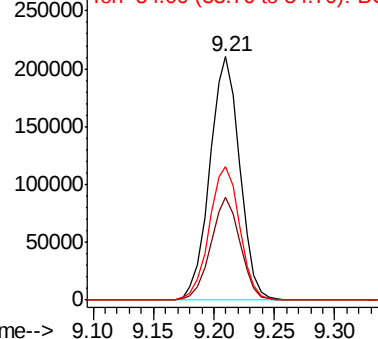


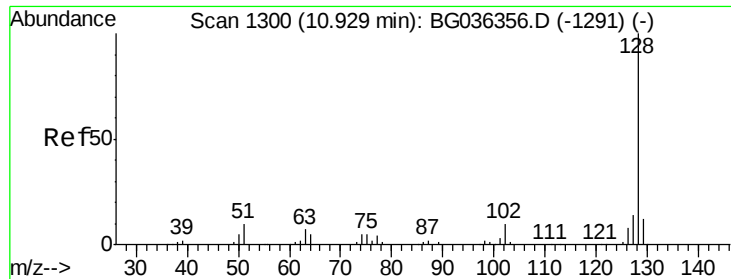
#23
Nitrobenzene-d5
Concen: 87.678 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036787.D
Acq: 18 Sep 2018 15:53

Tgt Ion: 82	Resp:	364049
Ion	Ratio	Lower Upper
82	100	
128	42.1	33.3 49.9
54	55.0	45.1 67.7



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

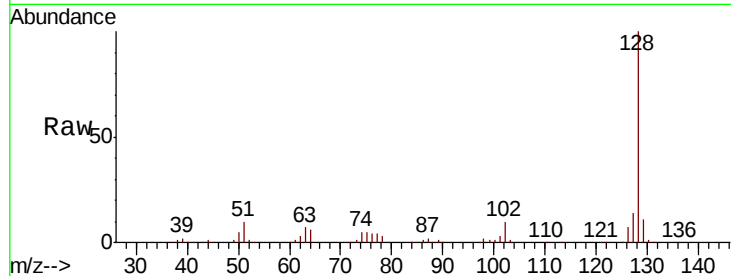




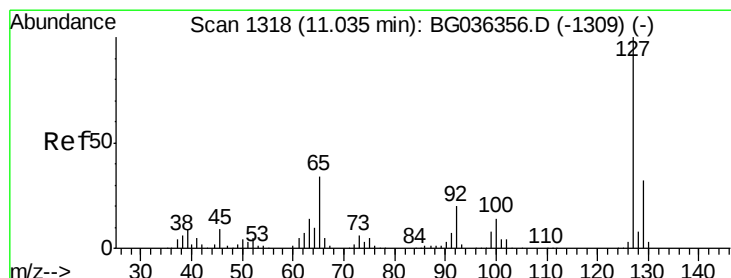
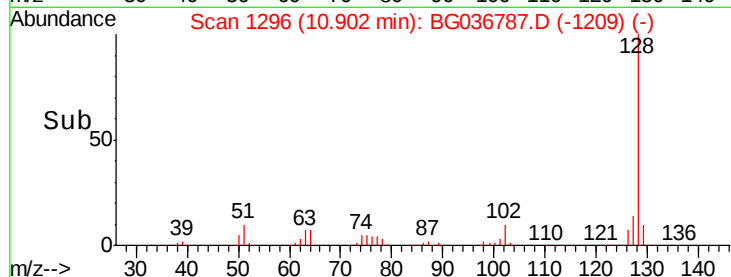
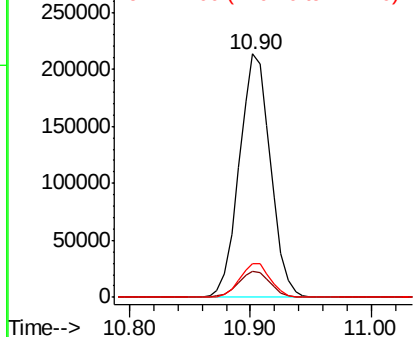
#31
Naphthalene
Concen: 34.062 ng
RT: 10.90 min Scan# 1296
Delta R.T. -0.02 min
Lab File: BG036787.D
Acq: 18 Sep 2018 15:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 383593
Ion Ratio Lower Upper
128 100
129 10.7 9.4 14.2
127 13.9 11.0 16.4

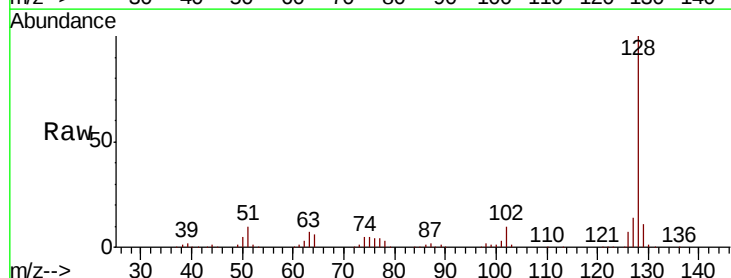


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

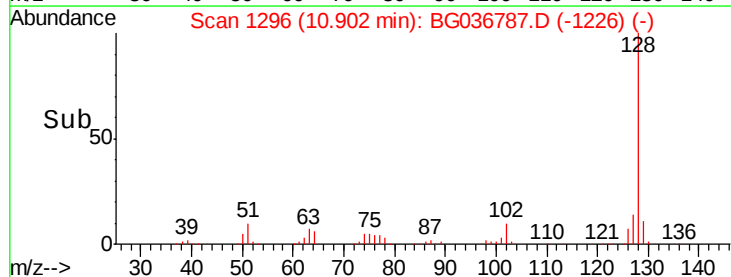
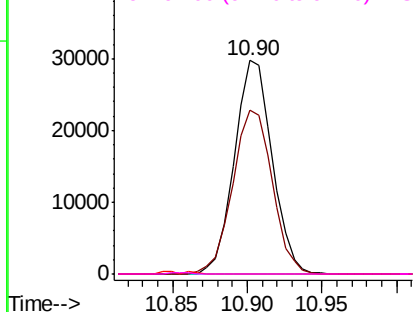


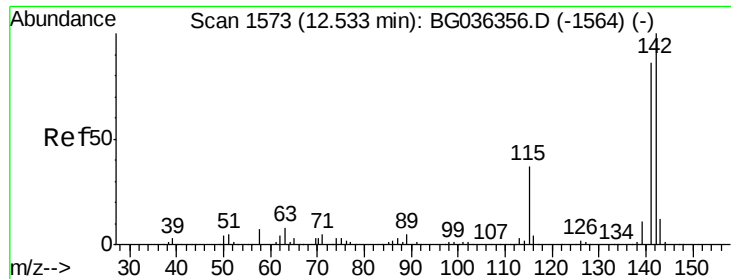
#33
4-Chloroaniline
Concen: 10.118 ng
RT: 10.90 min Scan# 1296
Delta R.T. -0.12 min
Lab File: BG036787.D
Acq: 18 Sep 2018 15:53

Tgt Ion:127 Resp: 52216
Ion Ratio Lower Upper
127 100
129 76.9 25.9 38.9#
65 0.0 27.5 41.3#
92 0.0 16.2 24.2#



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

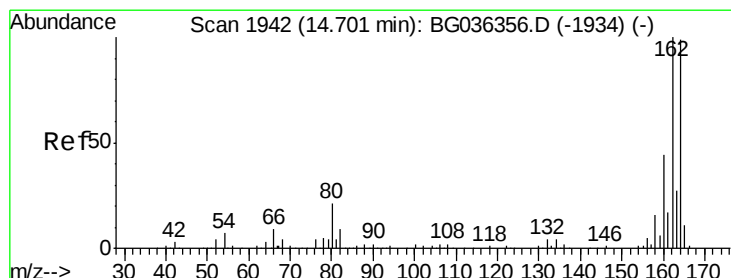
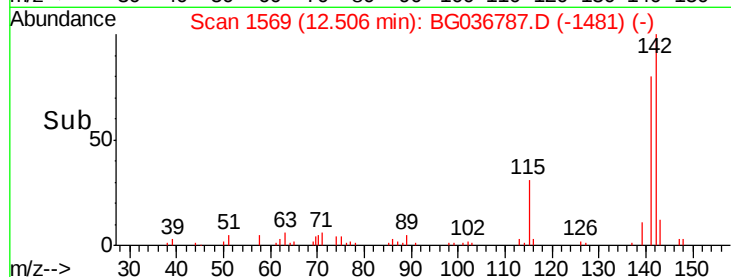
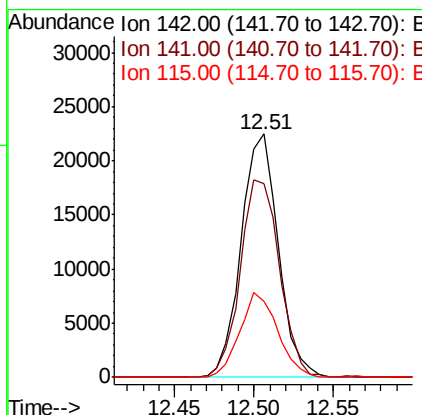
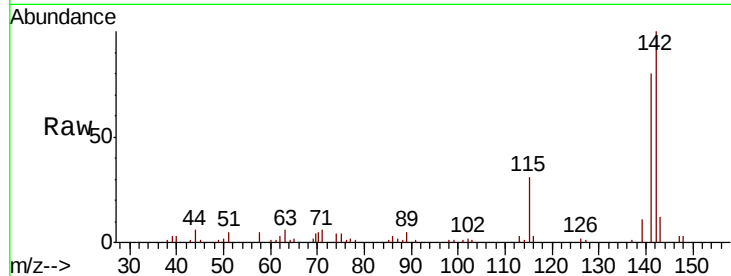




#37
2-Methylnaphthalene
Concen: 4.448 ng
RT: 12.51 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BG036787.D
Acq: 18 Sep 2018 15:53

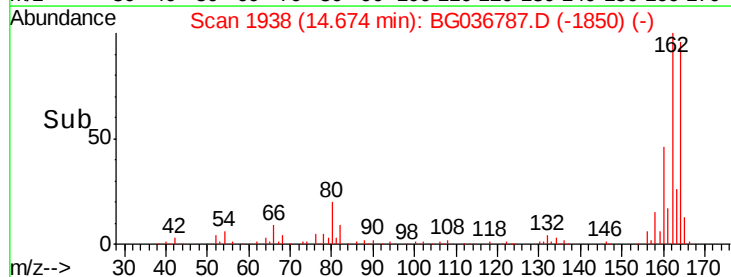
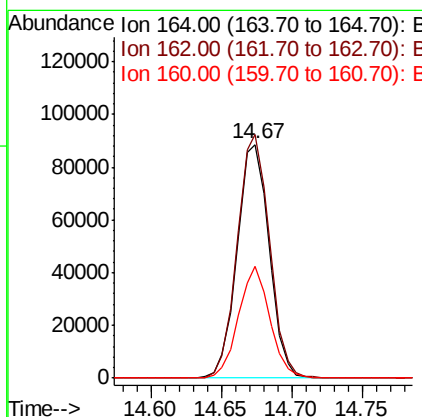
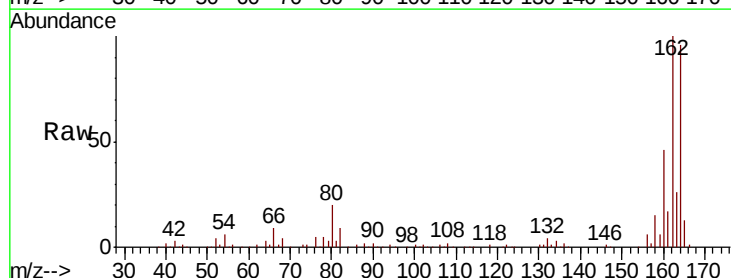
Instrument :
BNA_G
ClientSampleId :

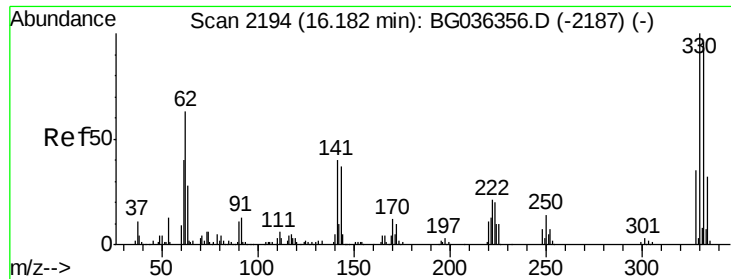
Tot Ion:142 Resp: 36653
Ion Ratio Lower Upper
142 100
141 79.7 68.5 102.7
115 31.0 29.8 44.8



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BG036787.D
Acq: 18 Sep 2018 15:53

Tgt Ion:164 Resp: 140570
Ion Ratio Lower Upper
164 100
162 104.1 80.7 121.1
160 47.6 35.3 52.9

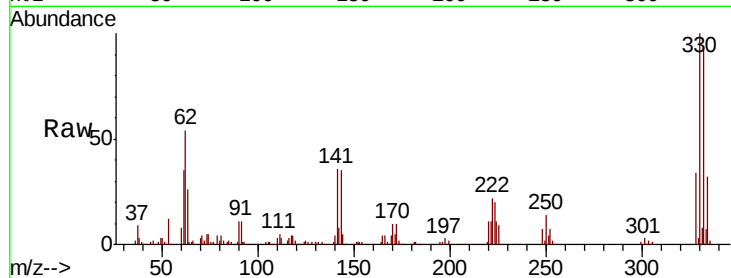




#41
 2,4,6-Tribromophenol
 Concen: 136.107 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BG036787.D
 Acq: 18 Sep 2018 15:53

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	75.4	113.2
141	36.9	30.7	46.1

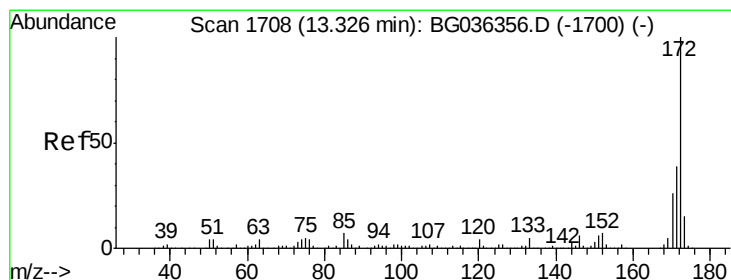
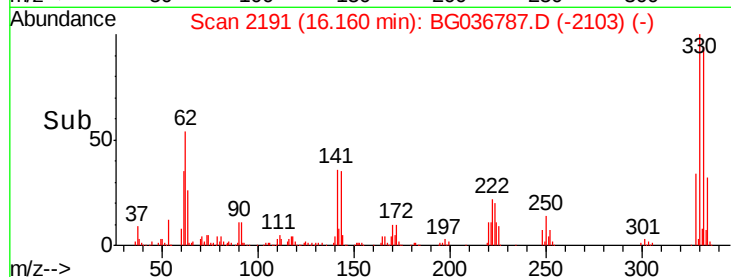
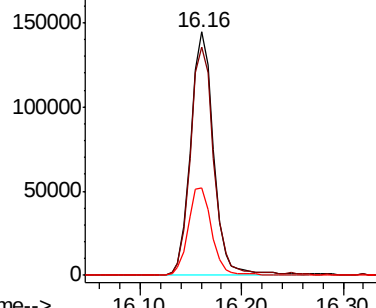


Abundance

Ion 329.80 (329.50 to 330.50): E

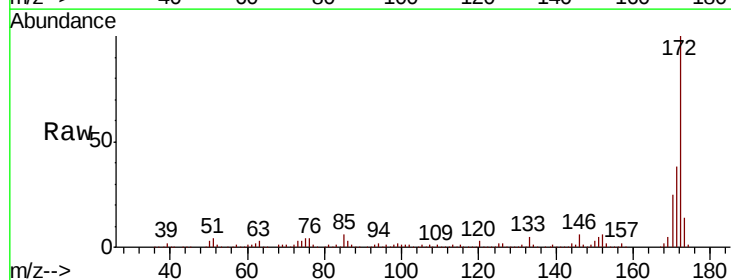
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 81.435 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG036787.D
 Acq: 18 Sep 2018 15:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.3	46.9
170	24.7	21.0	31.6

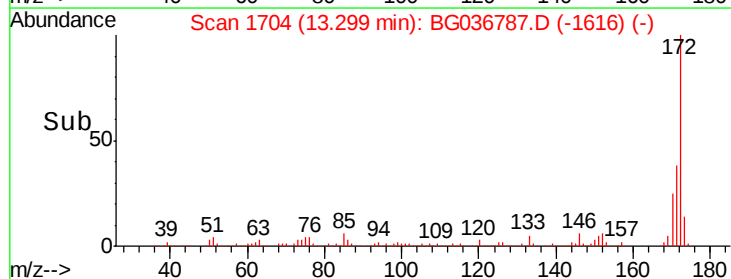
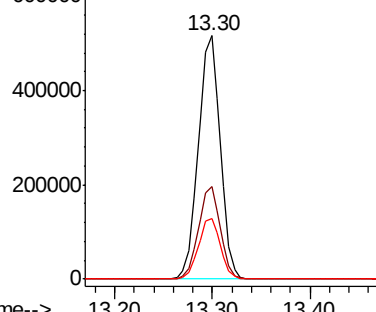


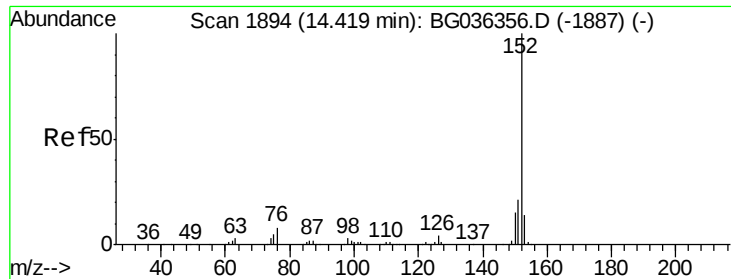
Abundance

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





#48

Acenaphthylene

Concen: 3.185 ng

RT: 14.40 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BG036787.D

Acq: 18 Sep 2018 15:53

Instrument :

BNA_G

ClientSampleId :

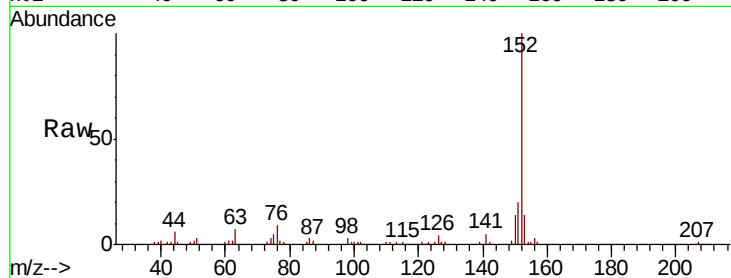
Tot Ion:152 Resp: 44346

Ion Ratio Lower Upper

152 100

151 20.2 16.9 25.3

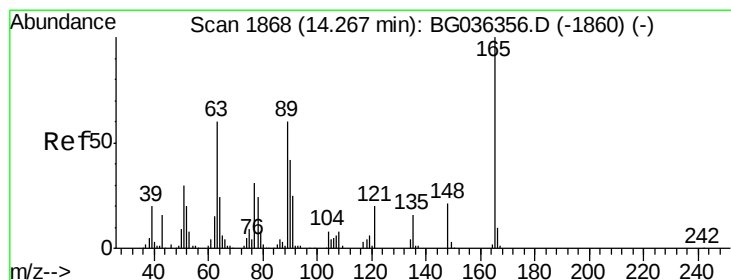
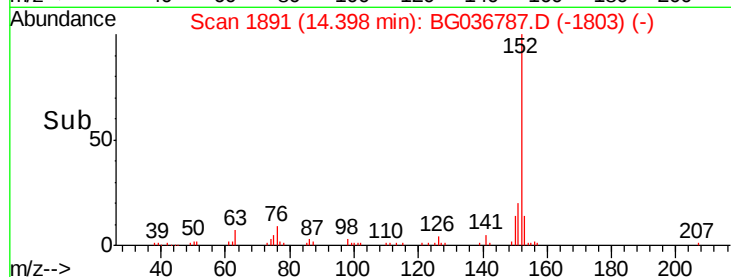
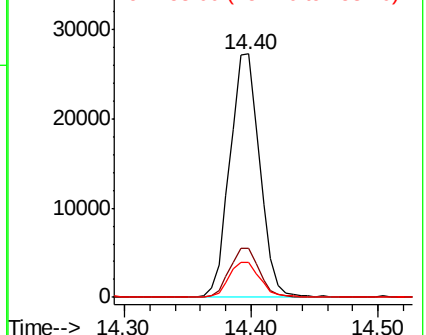
153 14.2 11.2 16.8



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



#50

2,6-Dinitrotoluene

Concen: 8.064 ng

RT: 14.67 min Scan# 1938

Delta R.T. 0.42 min

Lab File: BG036787.D

Acq: 18 Sep 2018 15:53

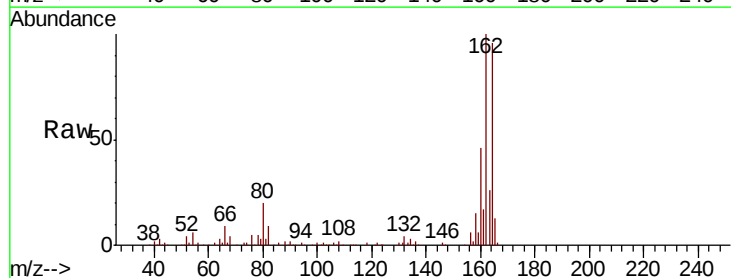
Tgt Ion:165 Resp: 19046

Ion Ratio Lower Upper

165 100

63 0.0 50.1 75.1#

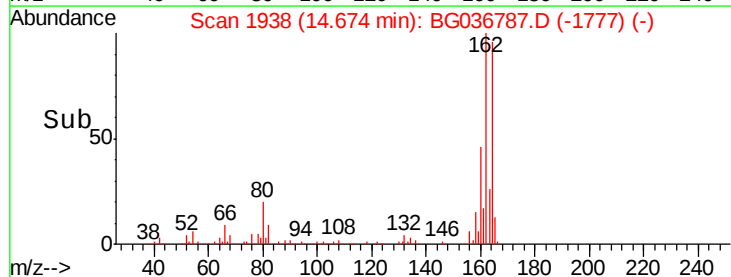
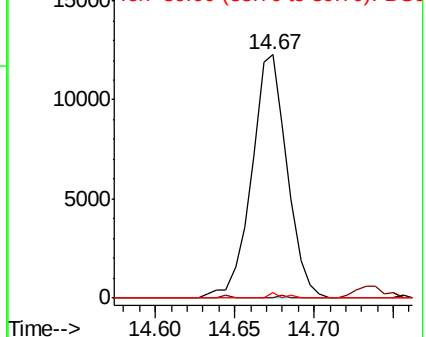
89 2.2 47.8 71.6#

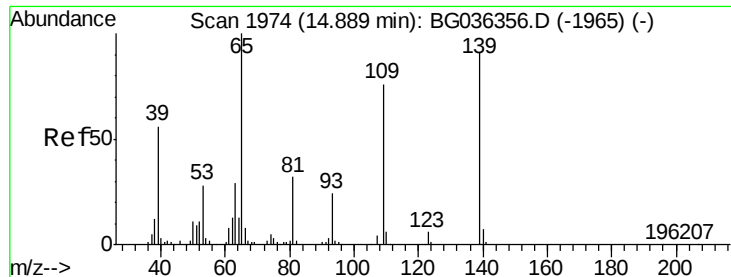


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

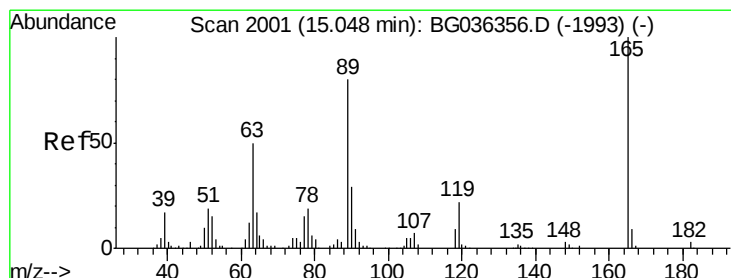
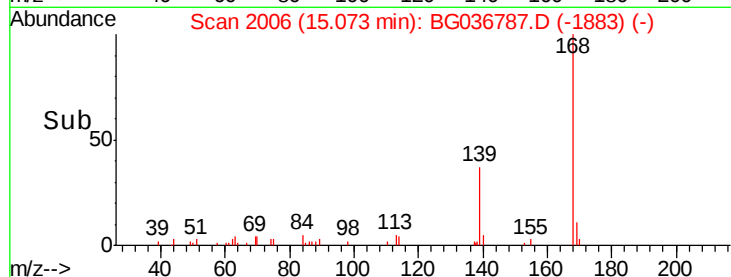
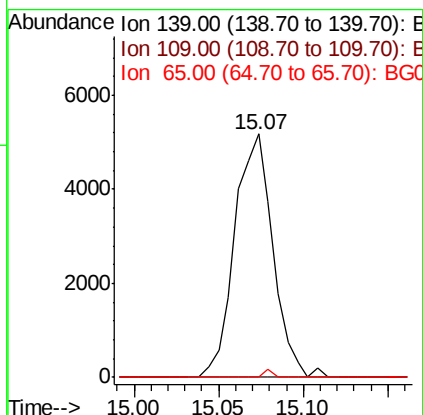
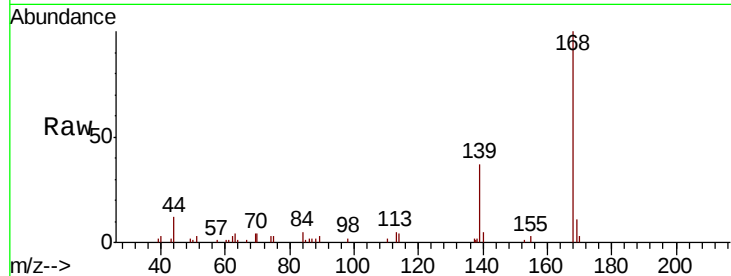




#55
4-Nitrophenol
Concen: 3.913 ng
RT: 15.07 min Scan# 2006
Delta R.T. 0.19 min
Lab File: BG036787.D
Acq: 18 Sep 2018 15:53

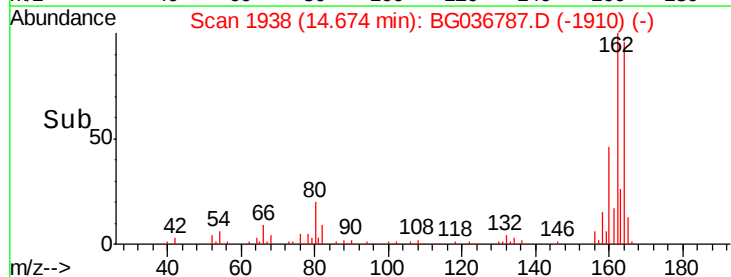
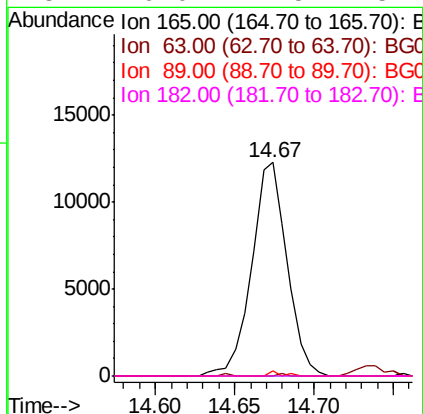
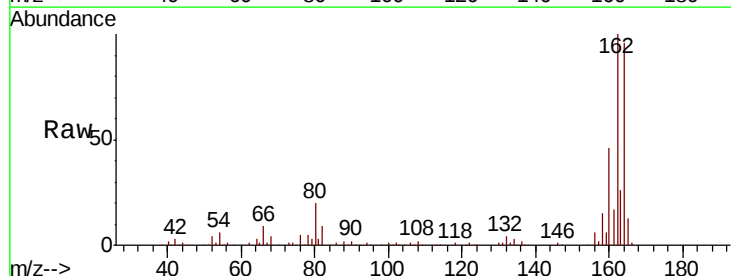
Instrument :
BNA_G
ClientSampleId :

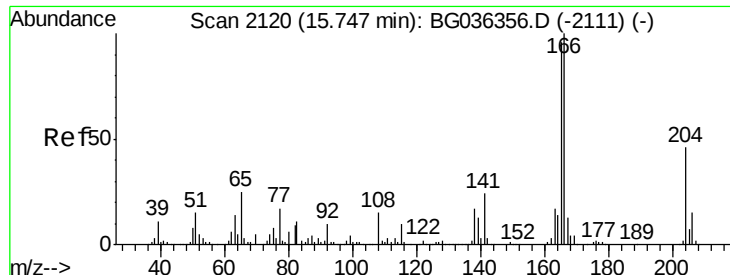
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	63.9	103.9#
65	0.0	90.0	130.0#



#56
2,4-Dinitrotoluene
Concen: 6.187 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.36 min
Lab File: BG036787.D
Acq: 18 Sep 2018 15:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	2.2	63.7	95.5#
182	0.0	2.5	3.7#

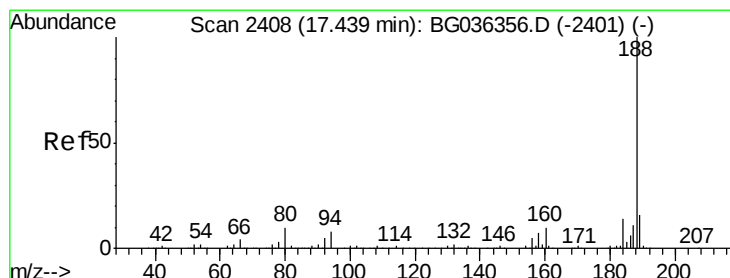
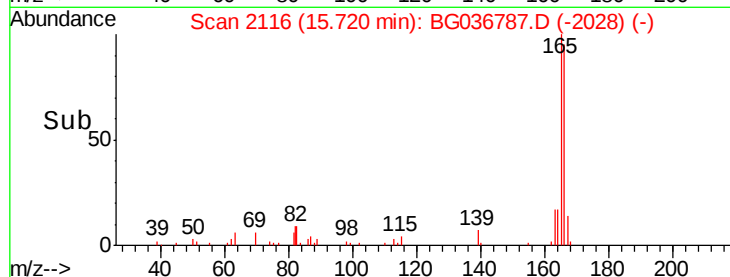
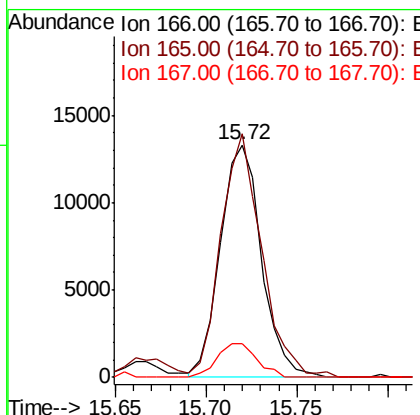
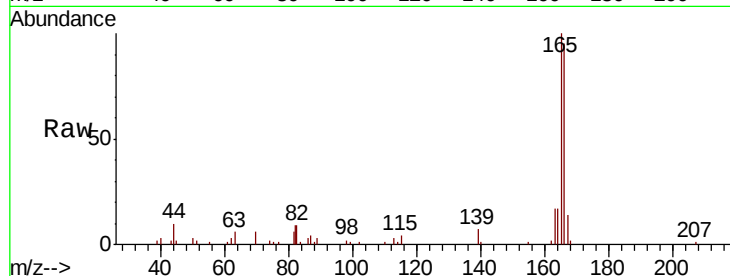




#57
 Fluorene
 Concen: 2.009 ng
 RT: 15.72 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: BG036787.D
 Acq: 18 Sep 2018 15:53

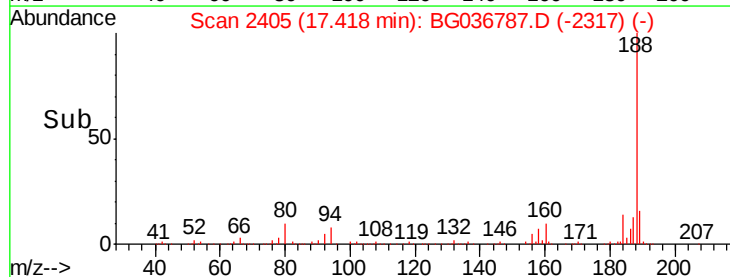
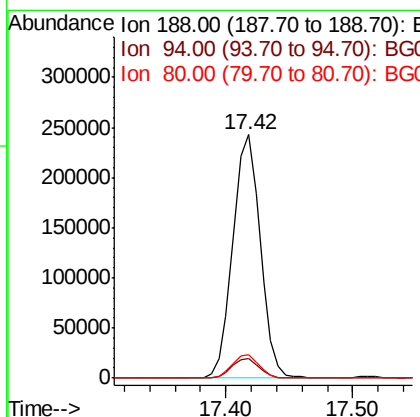
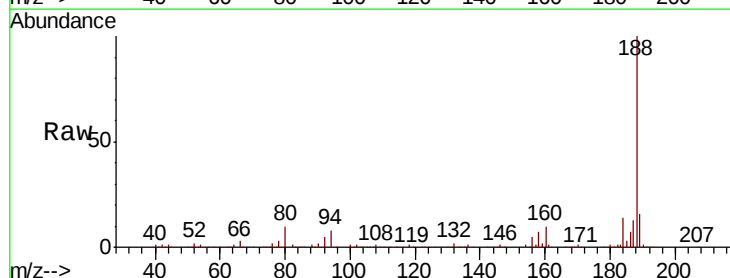
Instrument :
 BNA_G
 ClientSampleId :

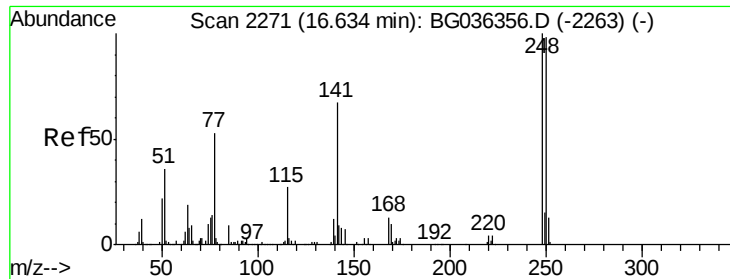
Tot Ion:166 Resp: 20977
 Ion Ratio Lower Upper
 166 100
 165 104.7 77.0 115.4
 167 14.4 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.01 min
 Lab File: BG036787.D
 Acq: 18 Sep 2018 15:53

Tgt Ion:188 Resp: 363112
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.7 10.1
 80 9.7 8.1 12.1

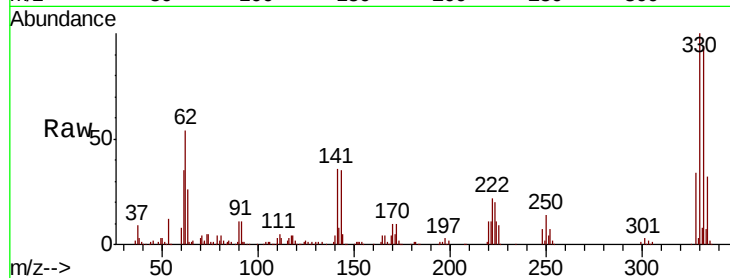




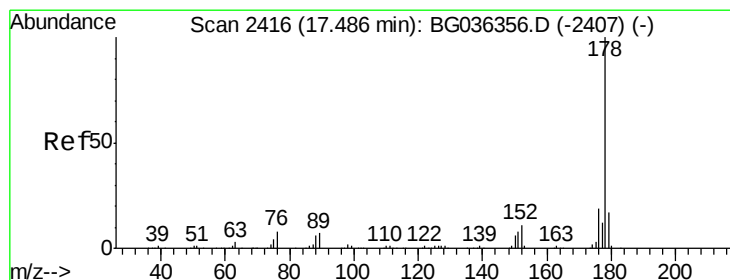
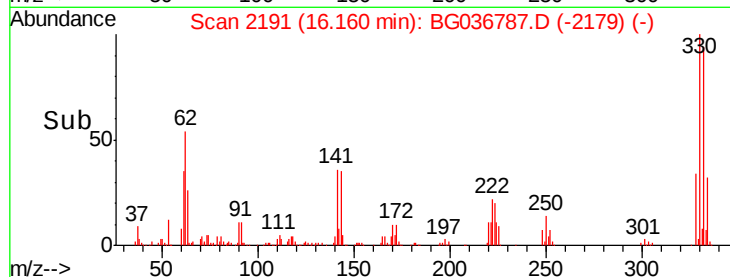
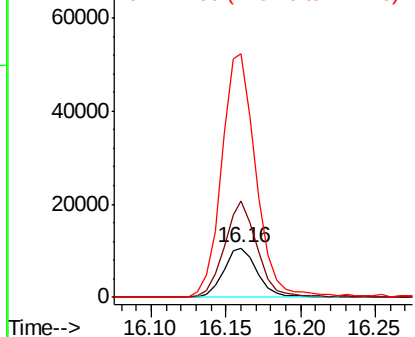
#66
 4-Bromophenyl-phenylether
 Concen: 3.940 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.46 min
 Lab File: BG036787.D
 Acq: 18 Sep 2018 15:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16749
 Ion Ratio Lower Upper
 248 100
 250 197.3 78.1 117.1#
 141 496.6 53.7 80.5#

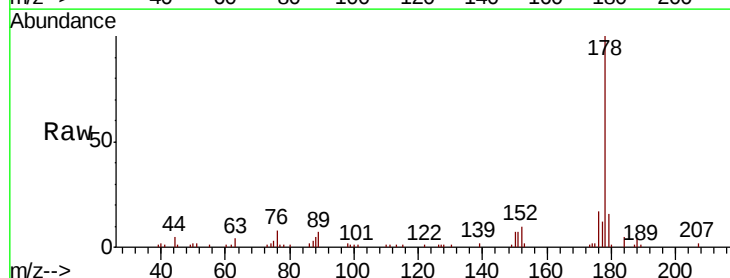


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

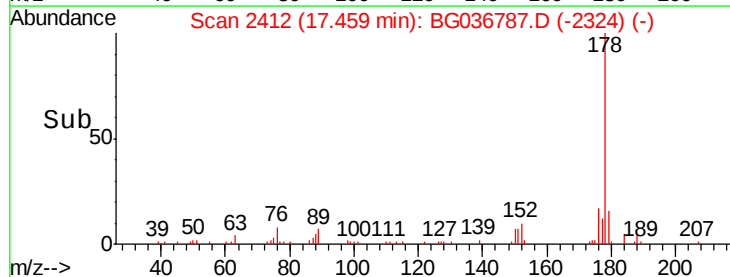
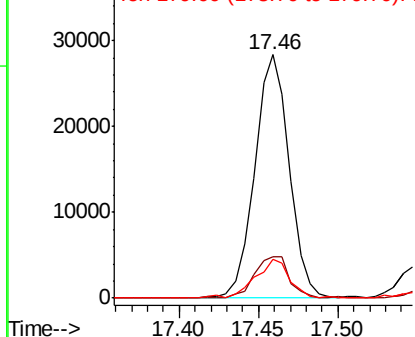


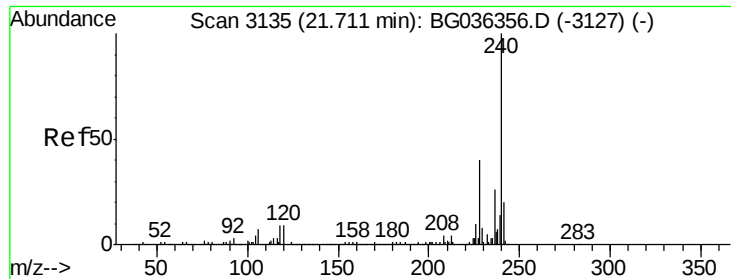
#70
 Phenanthrene
 Concen: 2.313 ng
 RT: 17.46 min Scan# 2412
 Delta R.T. -0.01 min
 Lab File: BG036787.D
 Acq: 18 Sep 2018 15:53

Tgt Ion:178 Resp: 42672
 Ion Ratio Lower Upper
 178 100
 176 16.8 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BG036787.D

Acq: 18 Sep 2018 15:53

Instrument :

BNA_G

ClientSampleId :

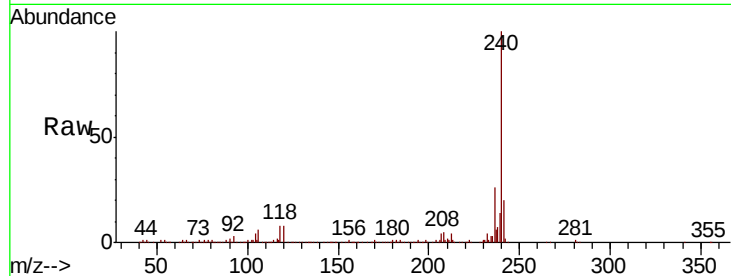
Tot Ion:240 Resp: 382850

Ion Ratio Lower Upper

240 100

120 8.5 6.9 10.3

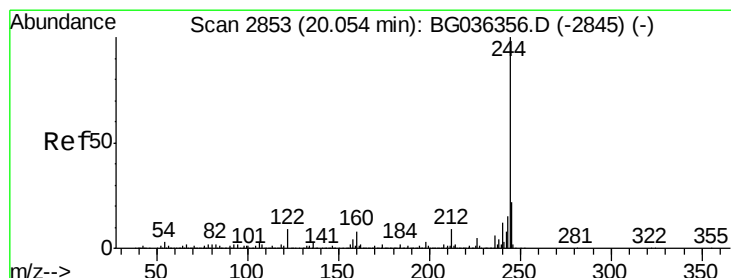
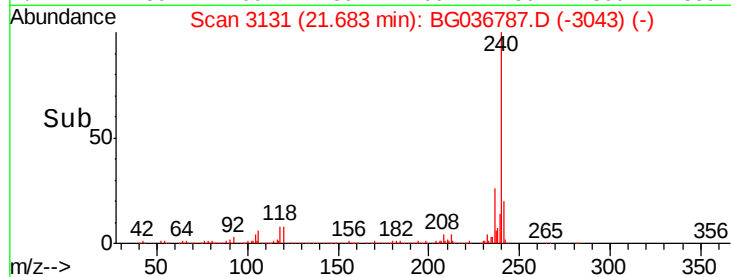
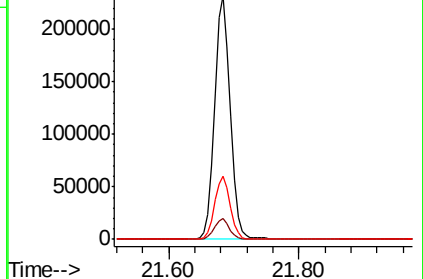
236 26.1 21.2 31.8



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: 84.941 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG036787.D

Acq: 18 Sep 2018 15:53

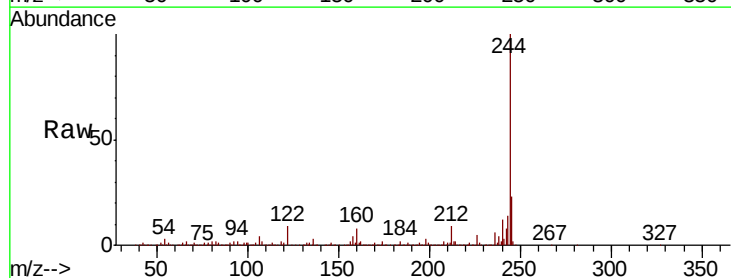
Tgt Ion:244 Resp: 1391307

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.6

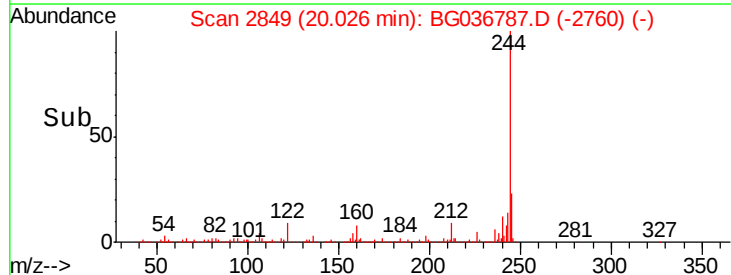
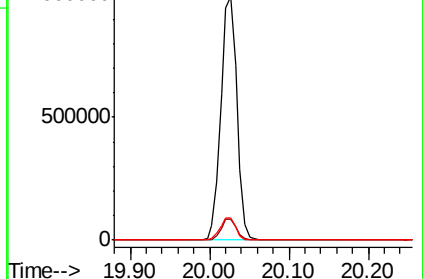
122 9.0 7.1 10.7

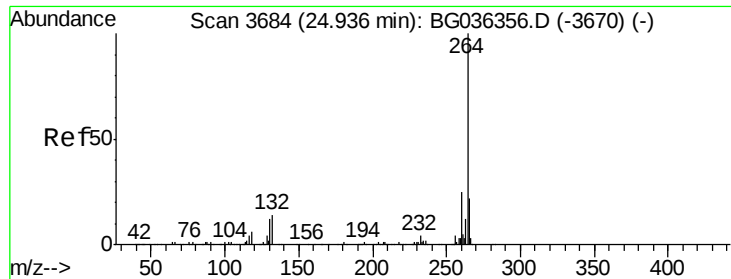


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.89 min Scan# 3677
Delta R.T. -0.01 min
Lab File: BG036787.D
Acq: 18 Sep 2018 15:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	21.0	17.4	26.0

