

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082718\
 Data File : BG036449.D
 Acq On : 28 Aug 2018 3:47
 Operator : JU/SJ
 Sample : J4614-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 28 05:12:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 23 12:07:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	64768	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	264747	20.00	ng	-0.01
38) Acenaphthene-d10	14.69	164	165806	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	396626	20.00	ng	0.00
75) Chrysene-d12	21.69	240	421689	20.00	ng	-0.02
86) Perylene-d12	24.91	264	433955	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	207115	50.73	ng	0.00
7) Phenol-d6	7.22	99	173096	29.61	ng	0.00
23) Nitrobenzene-d5	9.22	82	424715	87.04	ng	-0.01
41) 2,4,6-Tribromophenol	16.18	330	248907	125.81	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	938615	80.83	ng	-0.01
78) Terphenyl-d14	20.04	244	1393959	77.26	ng	-0.02

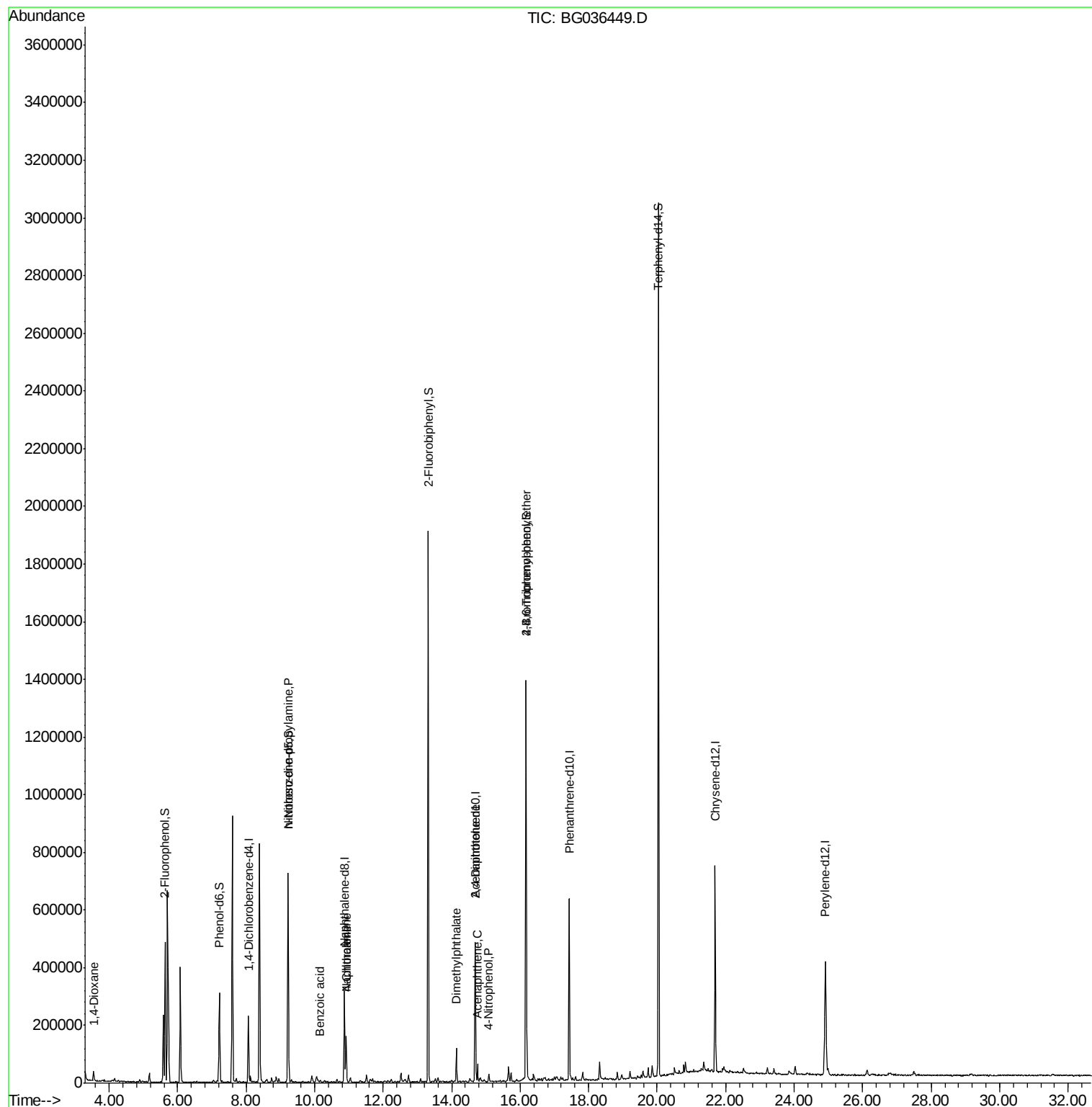
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.54	88	18562	9.741	ng	97
19) n-Nitroso-di-n-propylamine	9.22	70	56928	13.030	ng	# 70
31) Naphthalene	10.92	128	122943	9.290	ng	99
32) Benzoic acid	10.16	122	403	4.607	ng	# 45
33) 4-Chloroaniline	10.92	127	16848	2.778	ng	# 38
49) Dimethylphthalate	14.14	163	76507	5.651	ng	97
51) Acenaphthene	14.75	154	23276	2.213	ng	89
55) 4-Nitrophenol	15.08	139	5939	2.419	ng	# 3
56) 2,4-Dinitrotoluene	14.68	165	21107	5.813	ng	# 20
66) 4-Bromophenyl-phenylether	16.17	248	17862	3.847	ng	# 1

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082718\
Data File : BG036449.D
Acq On : 28 Aug 2018 3:47
Operator : JU/SJ
Sample : J4614-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Aug 28 05:12:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 23 12:07:02 2018
Response via : Initial Calibration



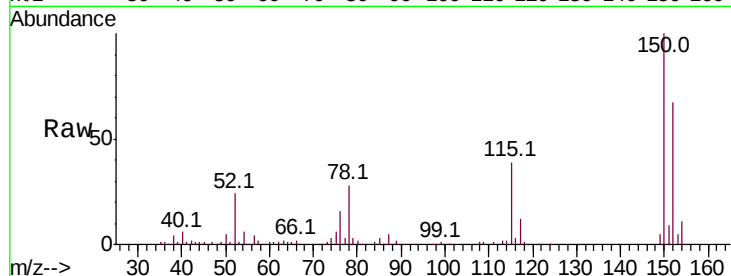


#1

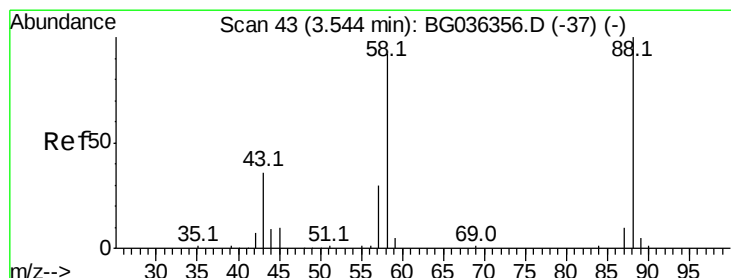
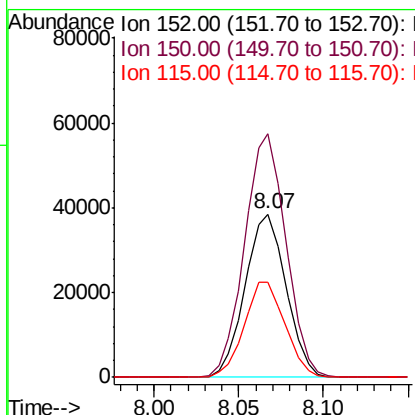
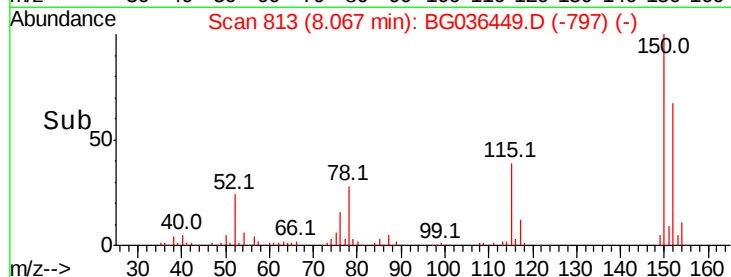
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG036449.D
Acq: 28 Aug 2018 3:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 64768
Ion Ratio Lower Upper
152 100
150 149.3 119.5 179.3
115 58.4 44.5 66.7



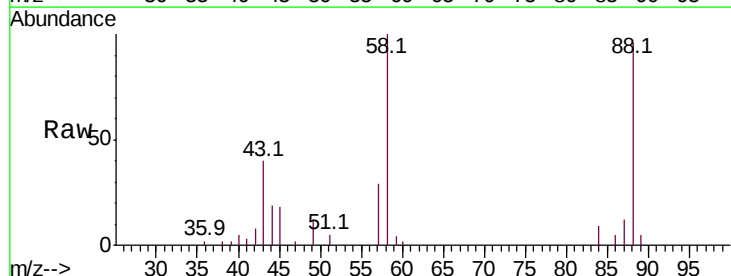
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



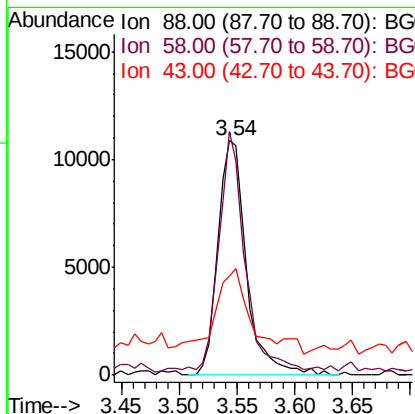
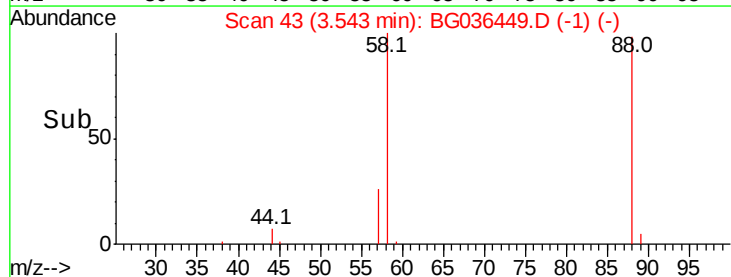
#2

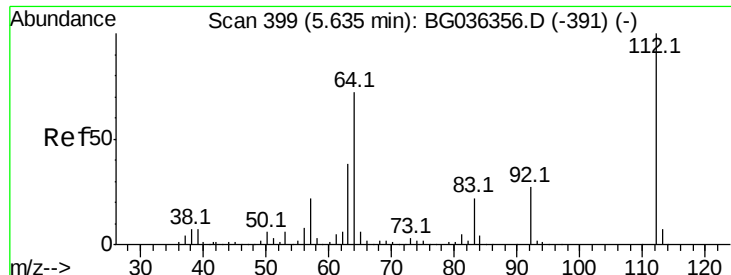
1,4-Dioxane
Concen: 9.741 ng
RT: 3.54 min Scan# 43
Delta R.T. -0.00 min
Lab File: BG036449.D
Acq: 28 Aug 2018 3:47

Tgt Ion: 88 Resp: 18562
Ion Ratio Lower Upper
88 100
58 93.6 72.6 109.0
43 33.9 29.0 43.4



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 50.727 ng

RT: 5.64 min Scan# 399

Delta R.T. 0.00 min

Lab File: BG036449.D

Acq: 28 Aug 2018 3:47

Instrument :

BNA_G

ClientSampled :

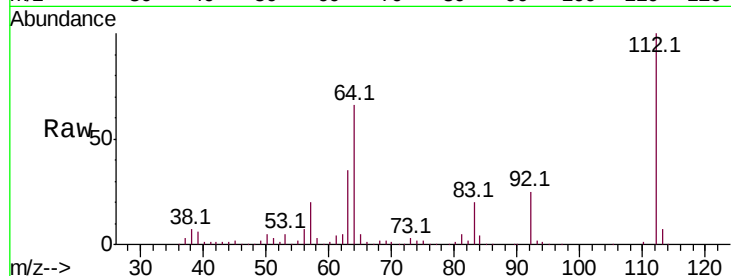
Tot Ion:112 Resp: 207115

Ion Ratio Lower Upper

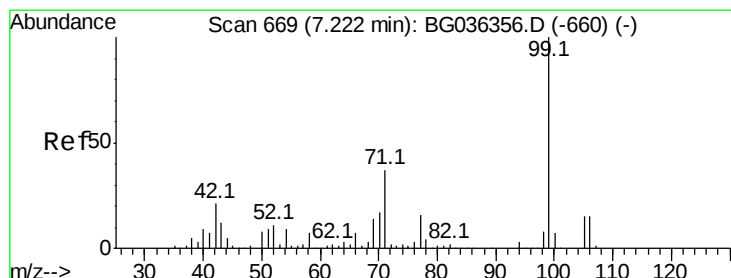
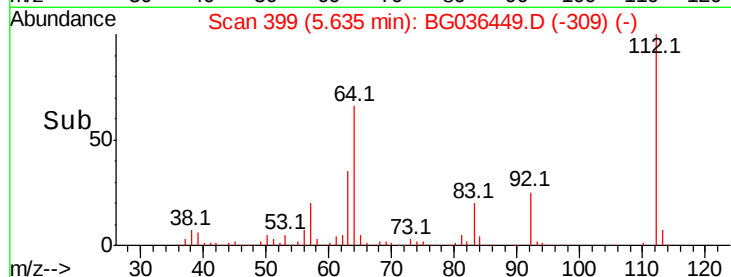
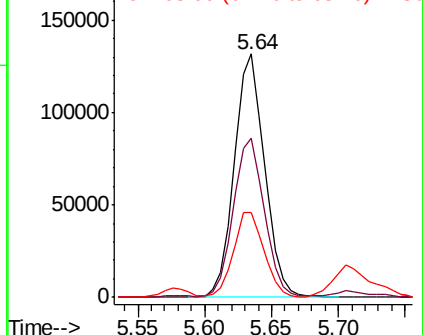
112 100

64 65.6 57.2 85.8

63 35.1 30.8 46.2



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



#7

Phenol-d6

Concen: 29.610 ng

RT: 7.22 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036449.D

Acq: 28 Aug 2018 3:47

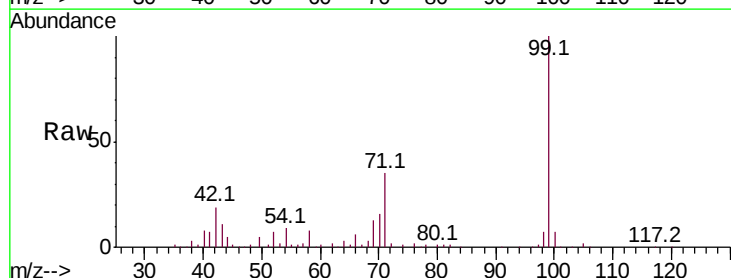
Tgt Ion: 99 Resp: 173096

Ion Ratio Lower Upper

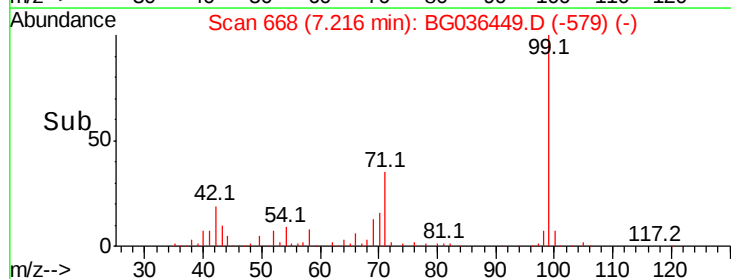
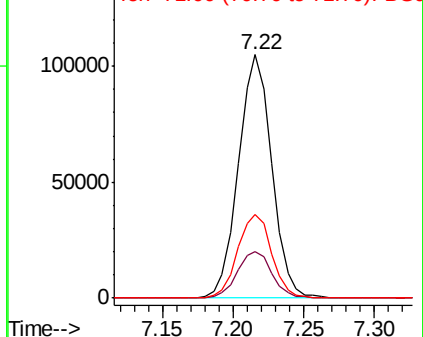
99 100

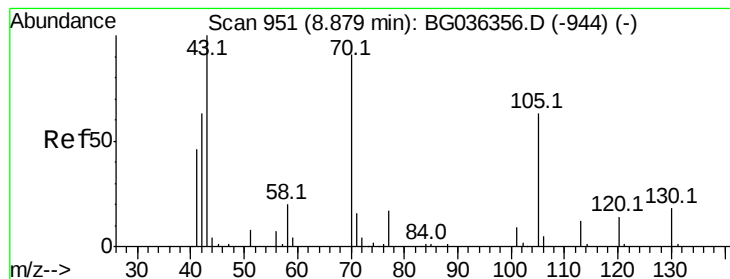
42 19.2 16.5 24.7

71 34.6 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: 13.030 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.35 min

Lab File: BG036449.D

Acq: 28 Aug 2018 3:47

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 56928

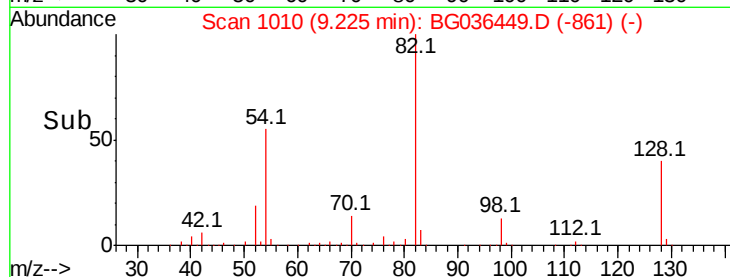
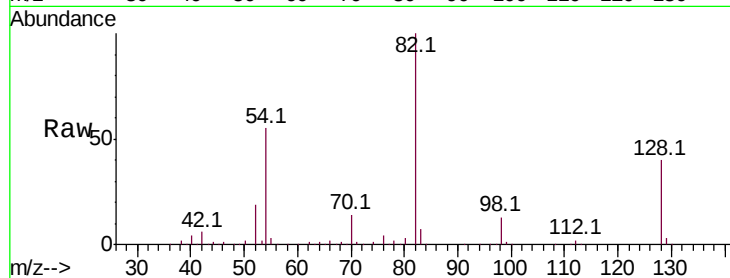
Ion Ratio Lower Upper

70 100

42 47.2 56.2 84.4#

101 0.0 7.8 11.6#

130 2.1 16.2 24.2#

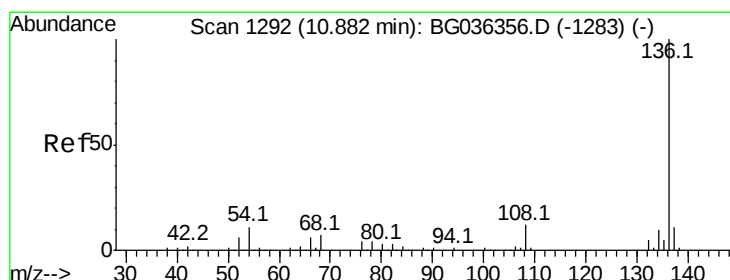
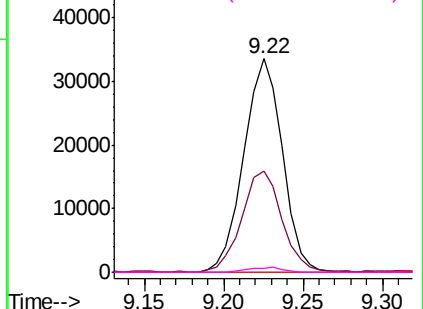


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.87 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BG036449.D

Acq: 28 Aug 2018 3:47

Tgt Ion: 136 Resp: 264747

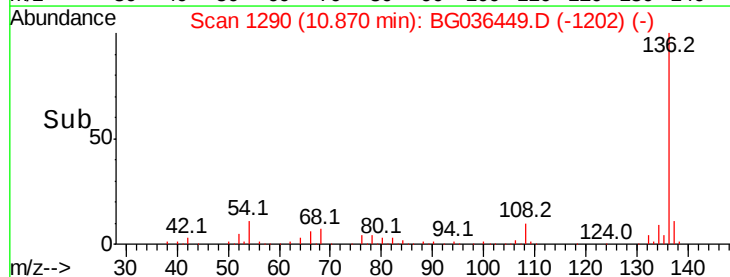
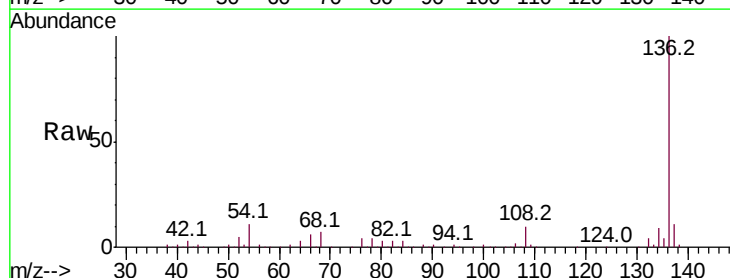
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 11.3 9.2 13.8

68 6.9 5.8 8.6

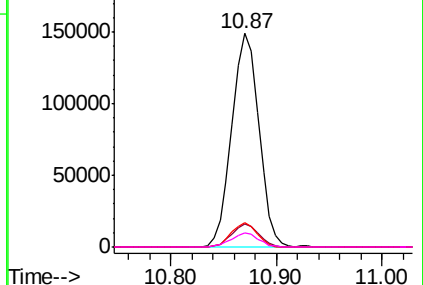


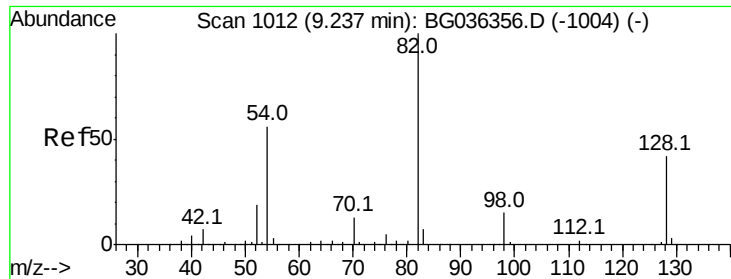
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

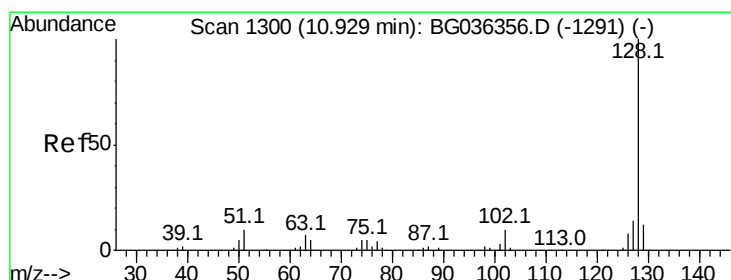
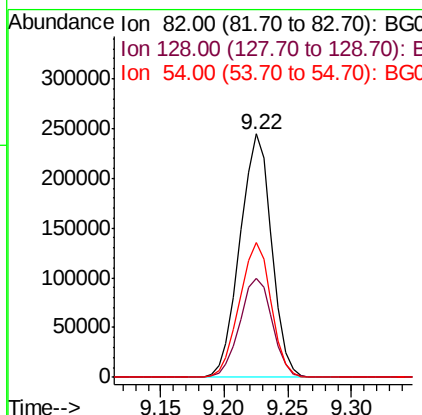
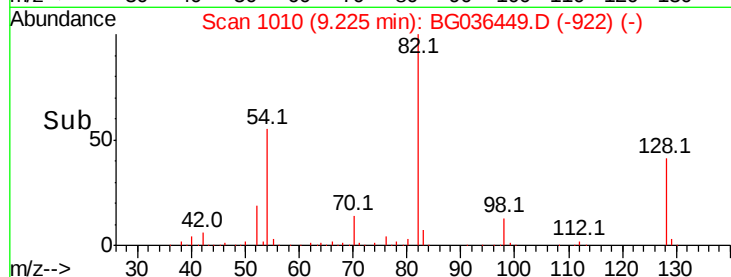
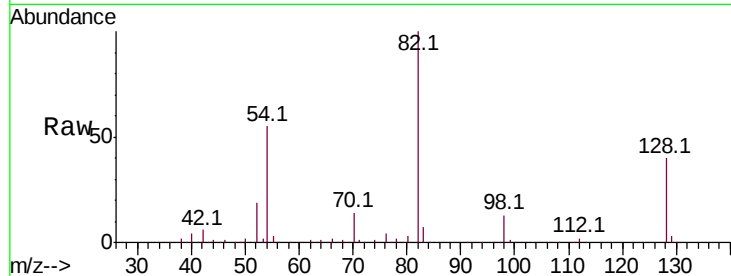




#23
Nitrobenzene-d5
Concen: 87.040 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BG036449.D
Acq: 28 Aug 2018 3:47

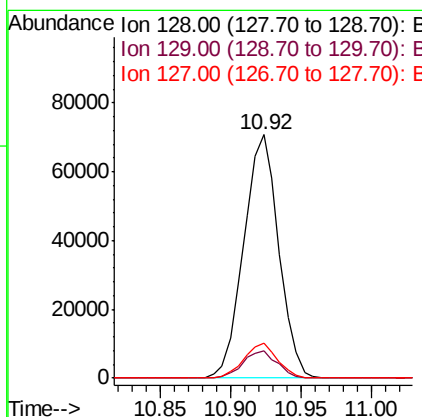
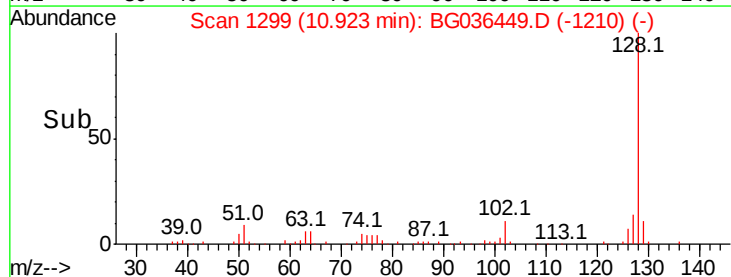
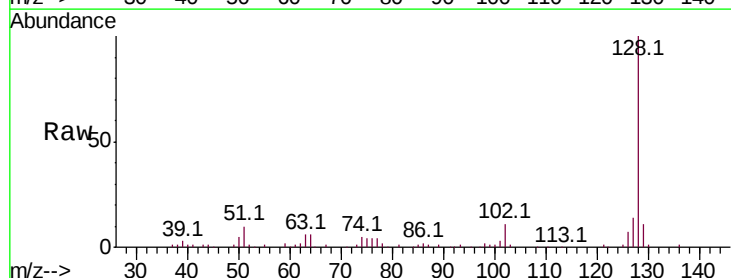
Instrument :
BNA_G
ClientSampled :

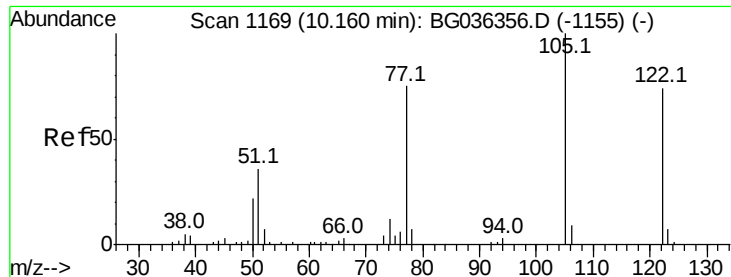
Tot Ion: 82 Resp: 424715
Ion Ratio Lower Upper
82 100
128 40.5 33.3 49.9
54 55.4 45.1 67.7



#31
Naphthalene
Concen: 9.290 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG036449.D
Acq: 28 Aug 2018 3:47

Tgt Ion: 128 Resp: 122943
Ion Ratio Lower Upper
128 100
129 11.3 9.4 14.2
127 14.2 11.0 16.4





#32

Benzoic acid

Concen: 4.607 ng

RT: 10.16 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BG036449.D

Acq: 28 Aug 2018 3:47

Instrument :

BNA_G

ClientSampleId :

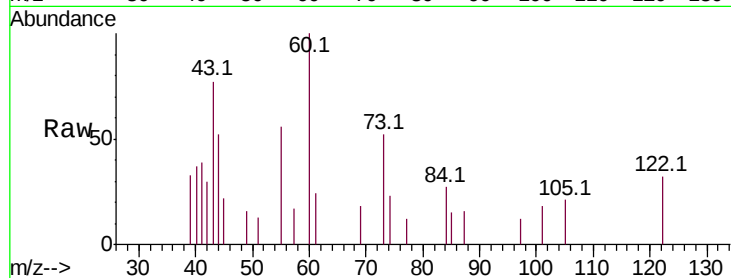
Tot Ion:122 Resp: 403

Ion Ratio Lower Upper

122 100

105 67.8 108.1 148.1#

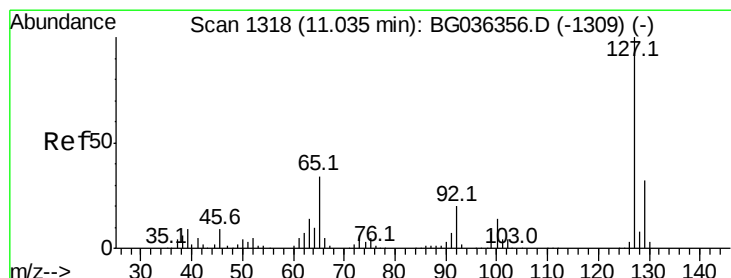
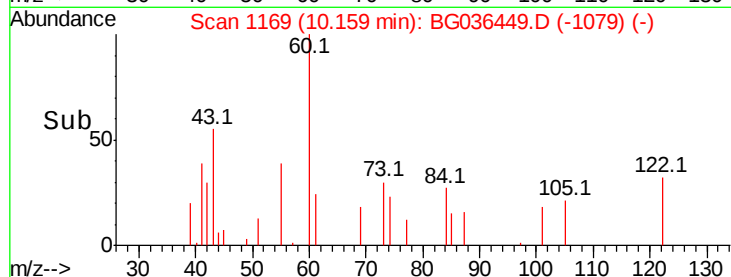
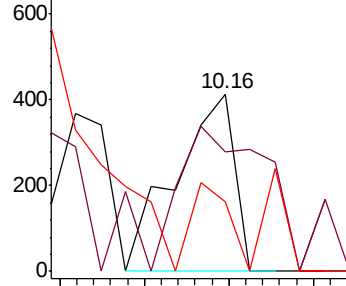
77 39.2 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#33

4-Chloroaniline

Concen: 2.778 ng

RT: 10.92 min Scan# 1299

Delta R.T. -0.11 min

Lab File: BG036449.D

Acq: 28 Aug 2018 3:47

Tgt Ion:127 Resp: 16848

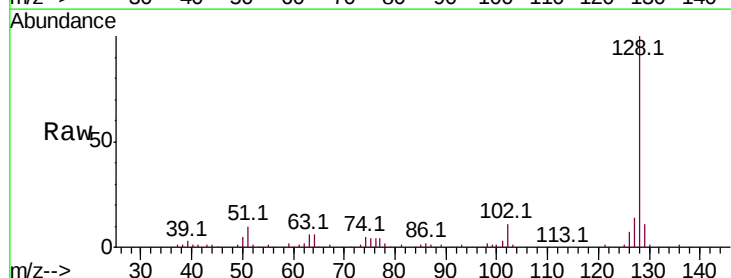
Ion Ratio Lower Upper

127 100

129 79.8 25.9 38.9#

65 3.5 27.5 41.3#

92 1.7 16.2 24.2#

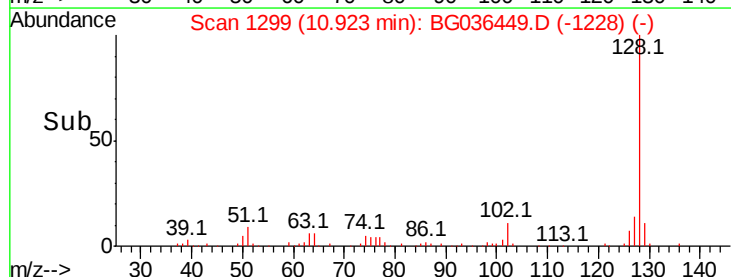
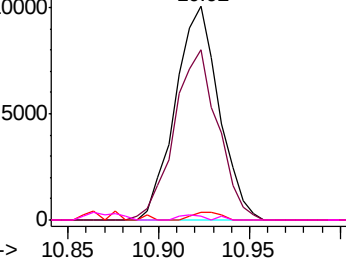


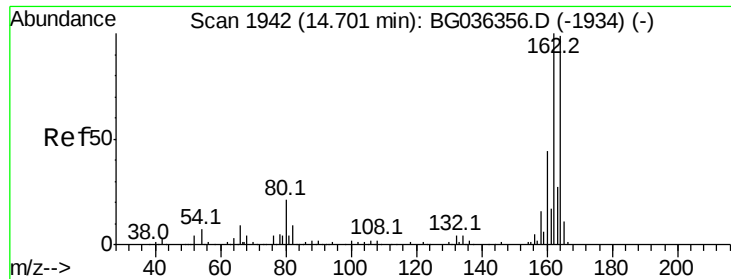
Abundance Ion 127.00 (126.70 to 127.70): E

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

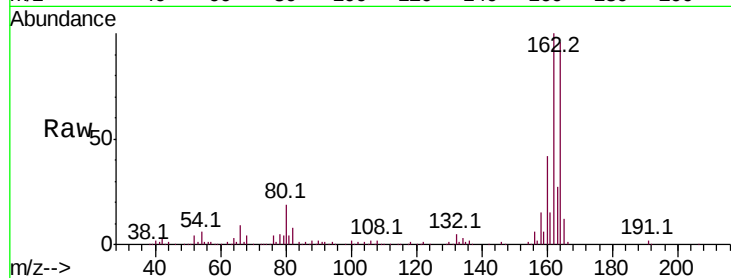




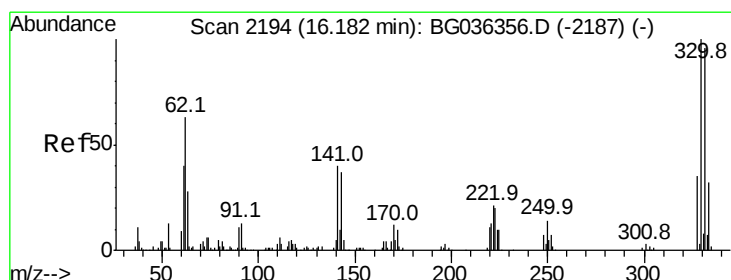
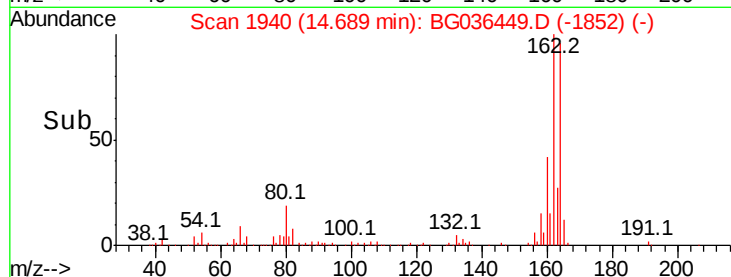
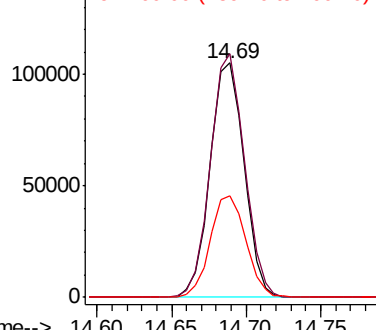
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. -0.01 min
 Lab File: BG036449.D
 Acq: 28 Aug 2018 3:47

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:164 Resp: 165806
 Ion Ratio Lower Upper
 164 100
 162 103.9 80.7 121.1
 160 43.2 35.3 52.9

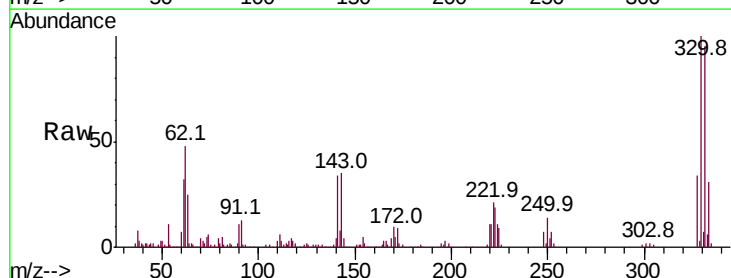


Abundance Ion 164.00 (163.70 to 164.70): E
 150000 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

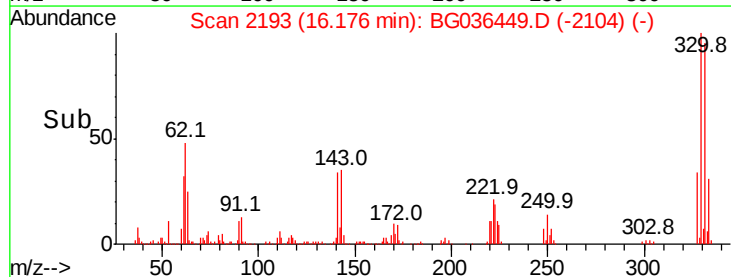
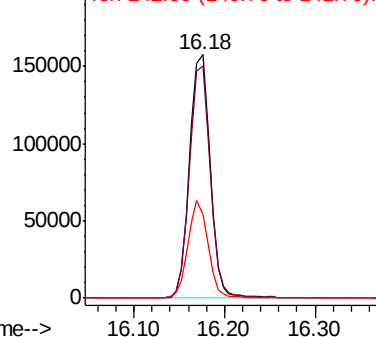


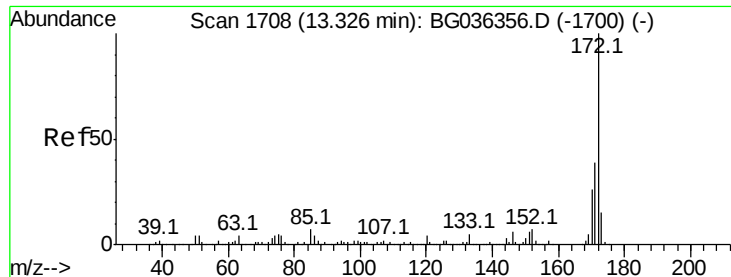
#41
 2,4,6-Tribromophenol
 Concen: 125.810 ng
 RT: 16.18 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG036449.D
 Acq: 28 Aug 2018 3:47

Tgt Ion:330 Resp: 248907
 Ion Ratio Lower Upper
 330 100
 332 95.3 75.4 113.2
 141 38.8 30.7 46.1



Abundance Ion 329.80 (329.50 to 330.50): E
 200000 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

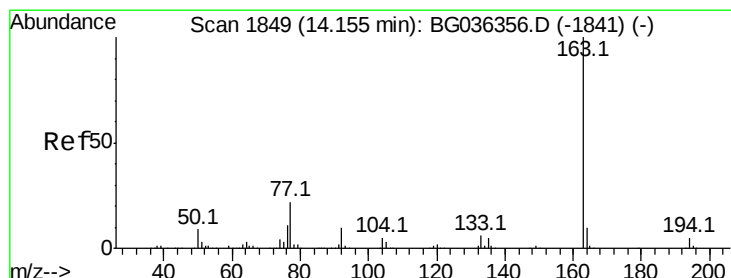
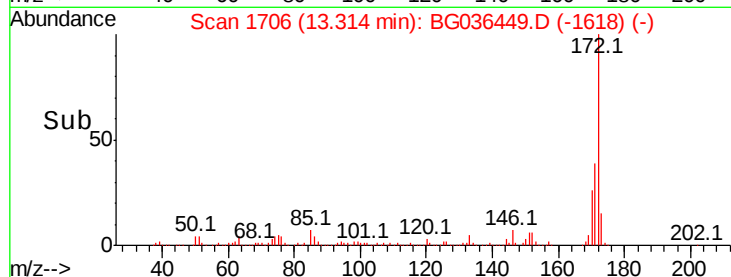
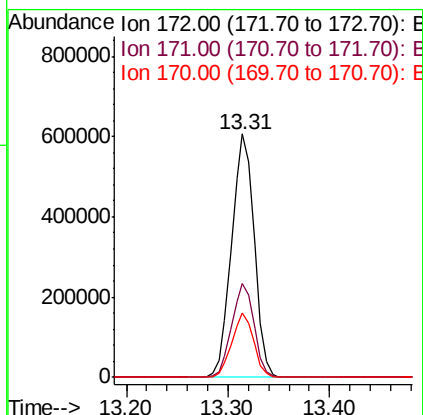
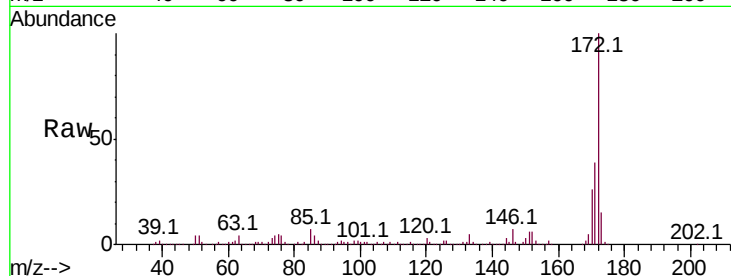




#44
2-Fluorobiphenyl
Concen: 80.828 ng
RT: 13.31 min Scan# 1706
Delta R.T. -0.01 min
Lab File: BG036449.D
Acq: 28 Aug 2018 3:47

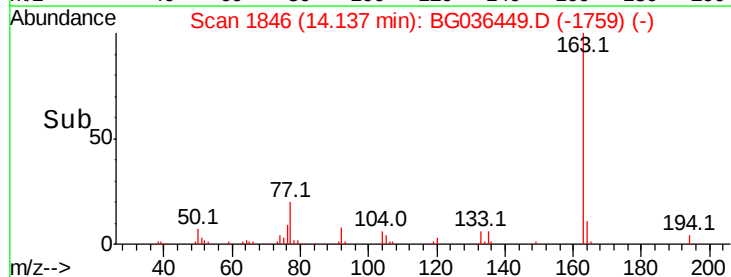
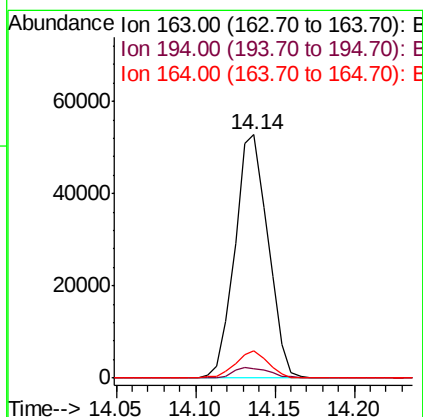
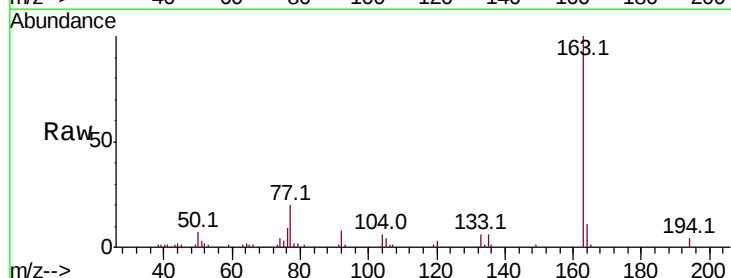
Instrument :
BNA_G
ClientSampleId :

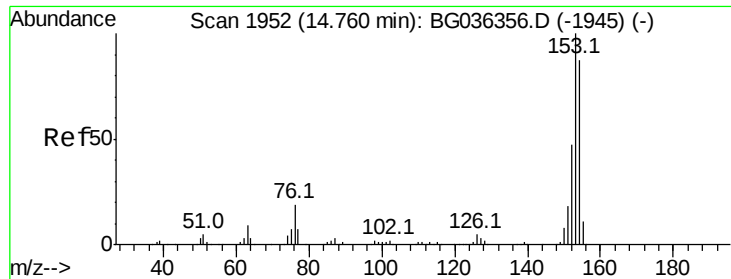
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.3	46.9
170	26.3	21.0	31.6



#49
Dimethylphthalate
Concen: 5.651 ng
RT: 14.14 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BG036449.D
Acq: 28 Aug 2018 3:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	4.0	6.0
164	11.1	8.1	12.1





#51

Acenaphthene

Concen: 2.213 ng

RT: 14.75 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BG036449.D

Acq: 28 Aug 2018 3:47

Instrument :

BNA_G

ClientSampleId :

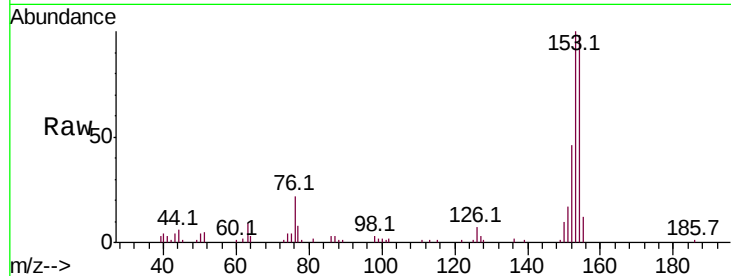
Tot Ion:154 Resp: 23276

Ion Ratio Lower Upper

154 100

153 102.0 91.8 137.6

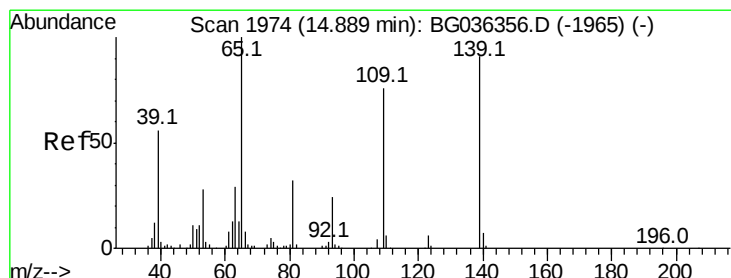
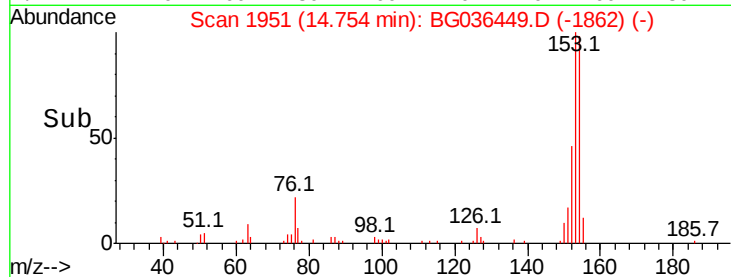
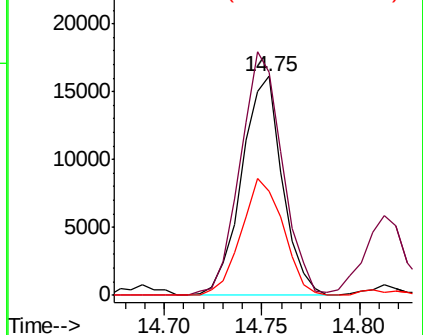
152 47.3 43.5 65.3



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



#55

4-Nitrophenol

Concen: 2.419 ng

RT: 15.08 min Scan# 2007

Delta R.T. 0.19 min

Lab File: BG036449.D

Acq: 28 Aug 2018 3:47

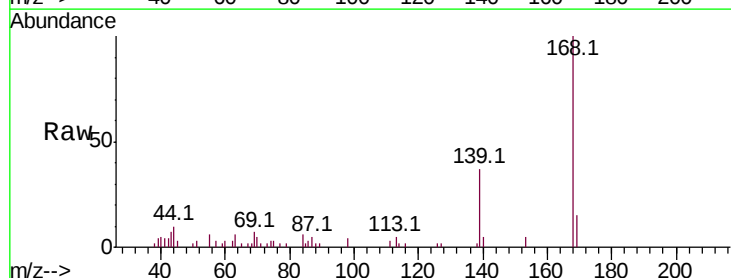
Tgt Ion:139 Resp: 5939

Ion Ratio Lower Upper

139 100

109 0.0 63.9 103.9#

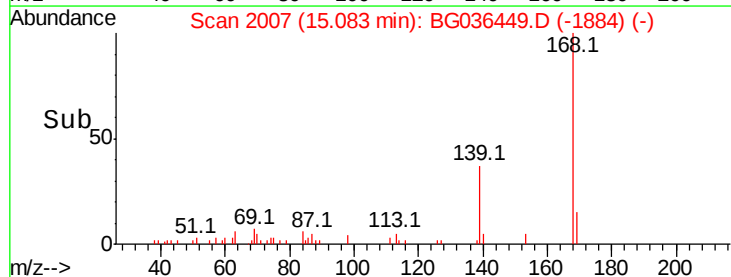
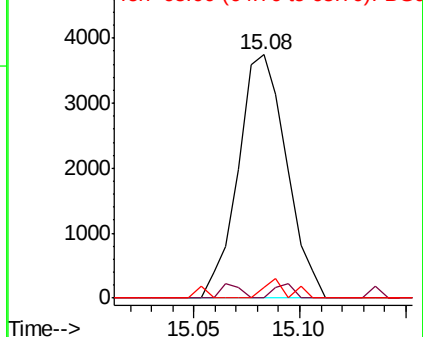
65 4.2 90.0 130.0#

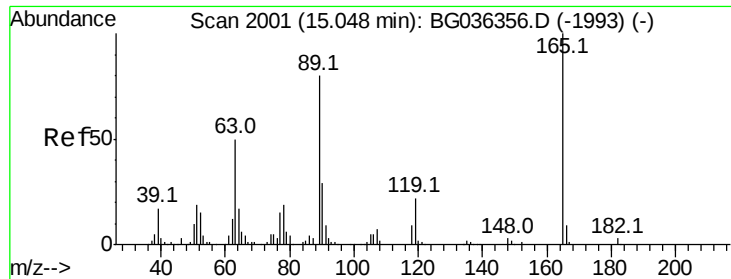


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

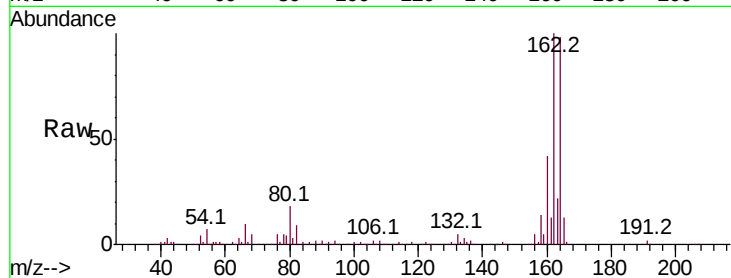




#56
 2,4-Dinitrotoluene
 Concen: 5.813 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.36 min
 Lab File: BG036449.D
 Acq: 28 Aug 2018 3:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.1	60.1#
89	1.7	63.7	95.5#
182	0.0	2.5	3.7#

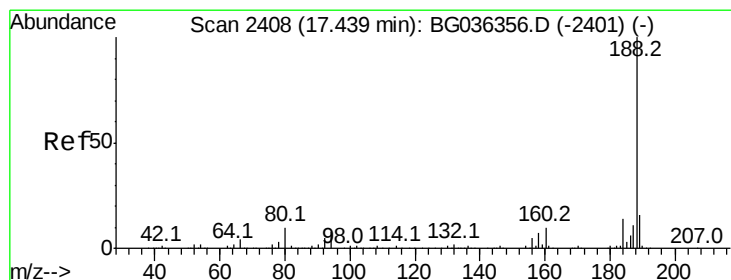
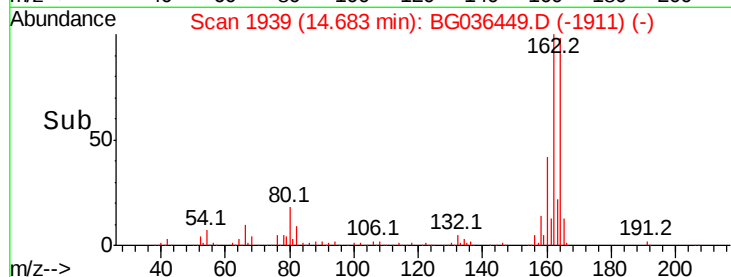
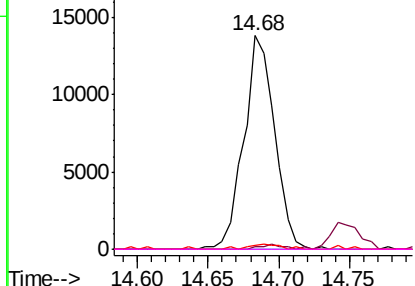


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

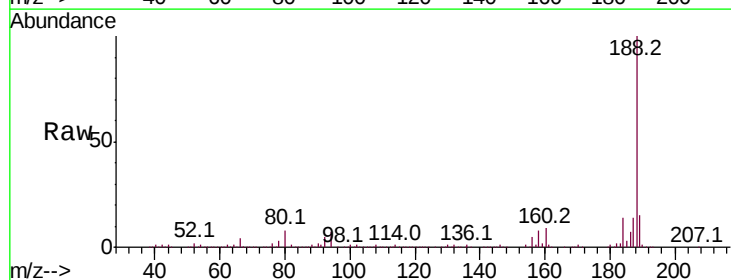
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2407
 Delta R.T. -0.01 min
 Lab File: BG036449.D
 Acq: 28 Aug 2018 3:47

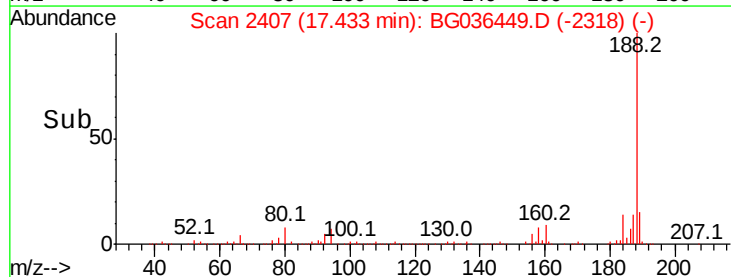
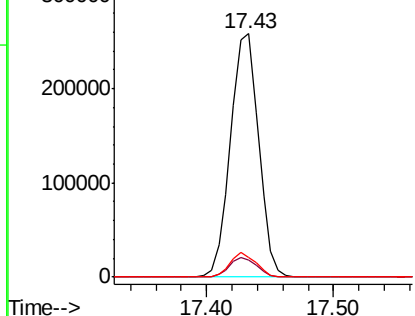
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.7	10.1
80	8.3	8.1	12.1

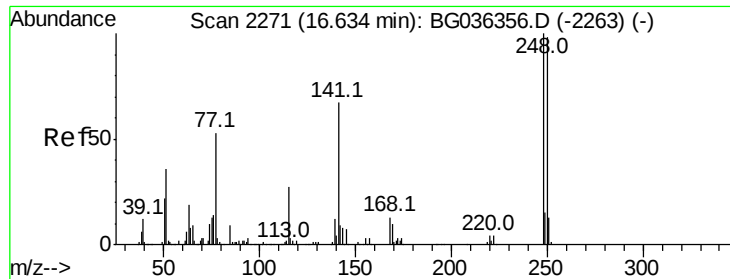


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

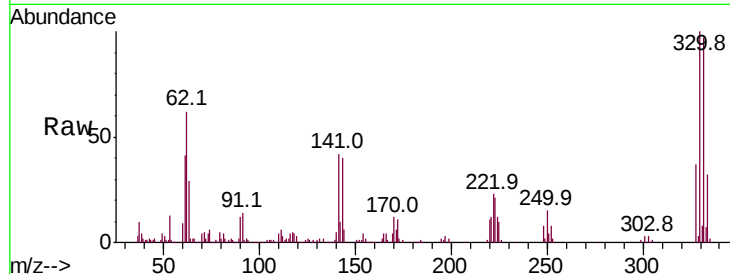




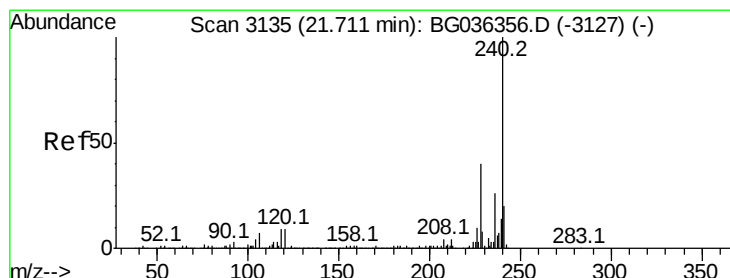
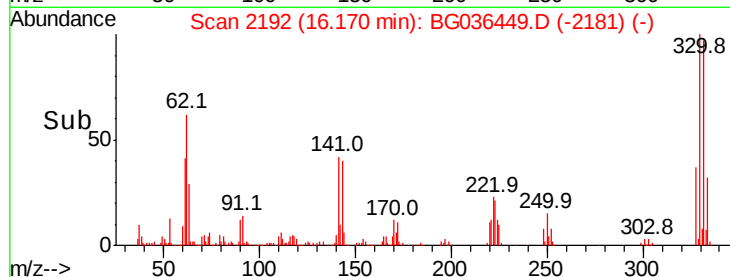
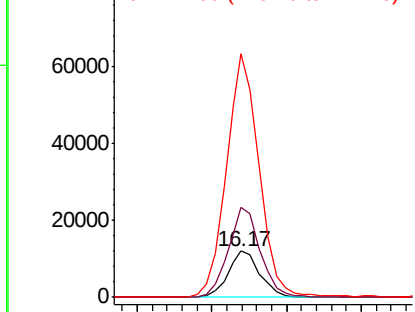
#66
4-Bromophenyl-phenylether
Concen: 3.847 ng
RT: 16.17 min Scan# 2192
Delta R.T. -0.46 min
Lab File: BG036449.D
Acq: 28 Aug 2018 3:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 17862
Ion Ratio Lower Upper
248 100
250 193.9 78.1 117.1#
141 526.8 53.7 80.5#

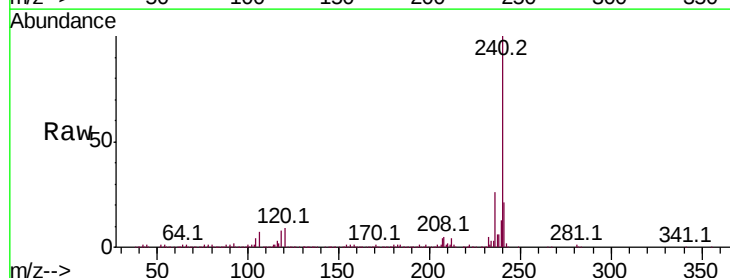


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

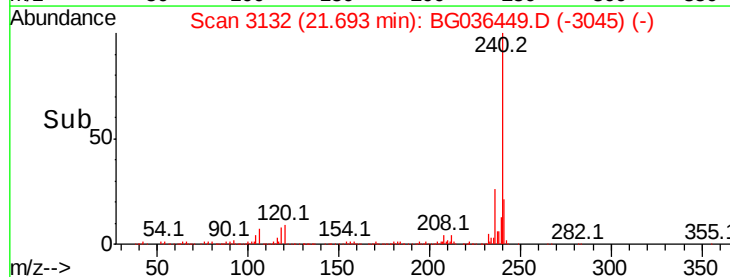
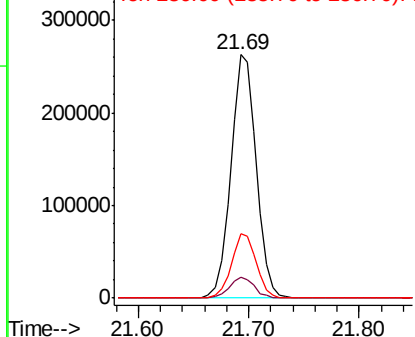


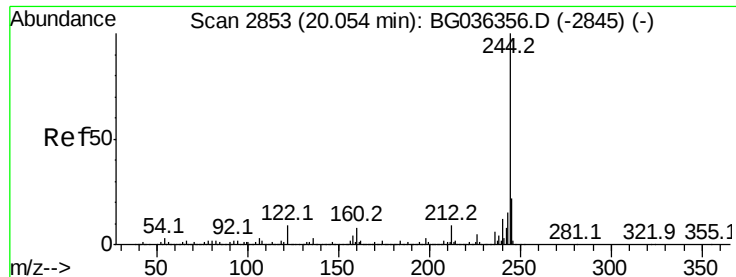
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3132
Delta R.T. -0.02 min
Lab File: BG036449.D
Acq: 28 Aug 2018 3:47

Tgt Ion:240 Resp: 421689
Ion Ratio Lower Upper
240 100
120 8.6 6.9 10.3
236 26.2 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: 77.265 ng

RT: 20.04 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG036449.D

Acq: 28 Aug 2018 3:47

Instrument :

BNA_G

ClientSampleId :

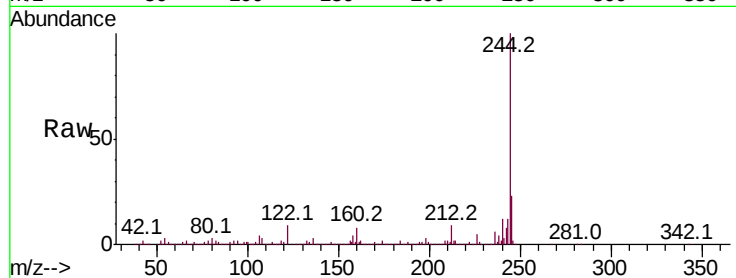
Tot Ion:244 Resp: 1393959

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.0	10.6
122	9.5	7.1	10.7

244 100

212 8.9 7.0 10.6

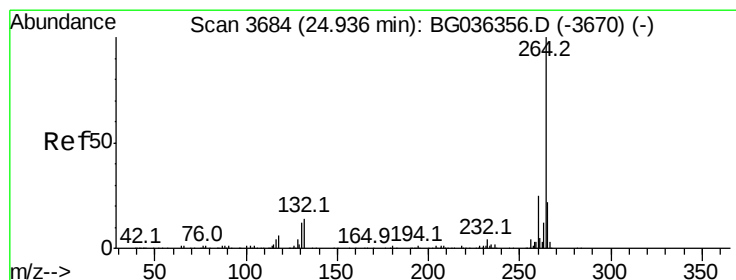
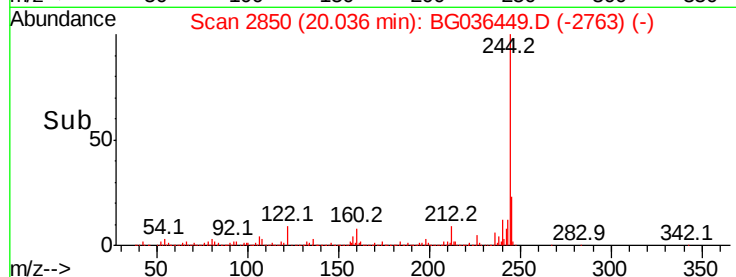
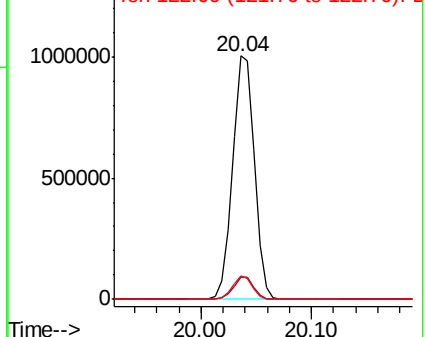
122 9.5 7.1 10.7



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

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3680

Delta R.T. -0.02 min

Lab File: BG036449.D

Acq: 28 Aug 2018 3:47

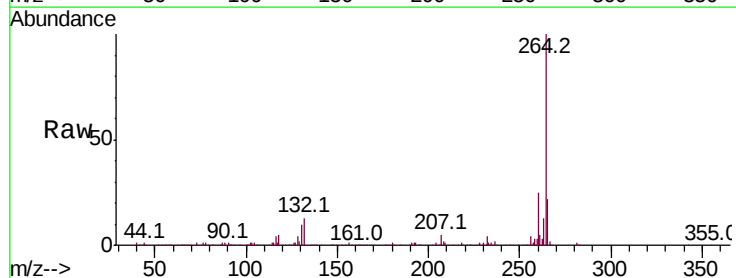
Tgt Ion:264 Resp: 433955

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.6	29.4
265	21.8	17.4	26.0

264 100

260 24.8 19.6 29.4

265 21.8 17.4 26.0



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

