

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080618\
 Data File : BG036147.D
 Acq On : 7 Aug 2018 4:38
 Operator : JU/SJ
 Sample : J4277-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-080318-A

Quant Time: Aug 07 07:20:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

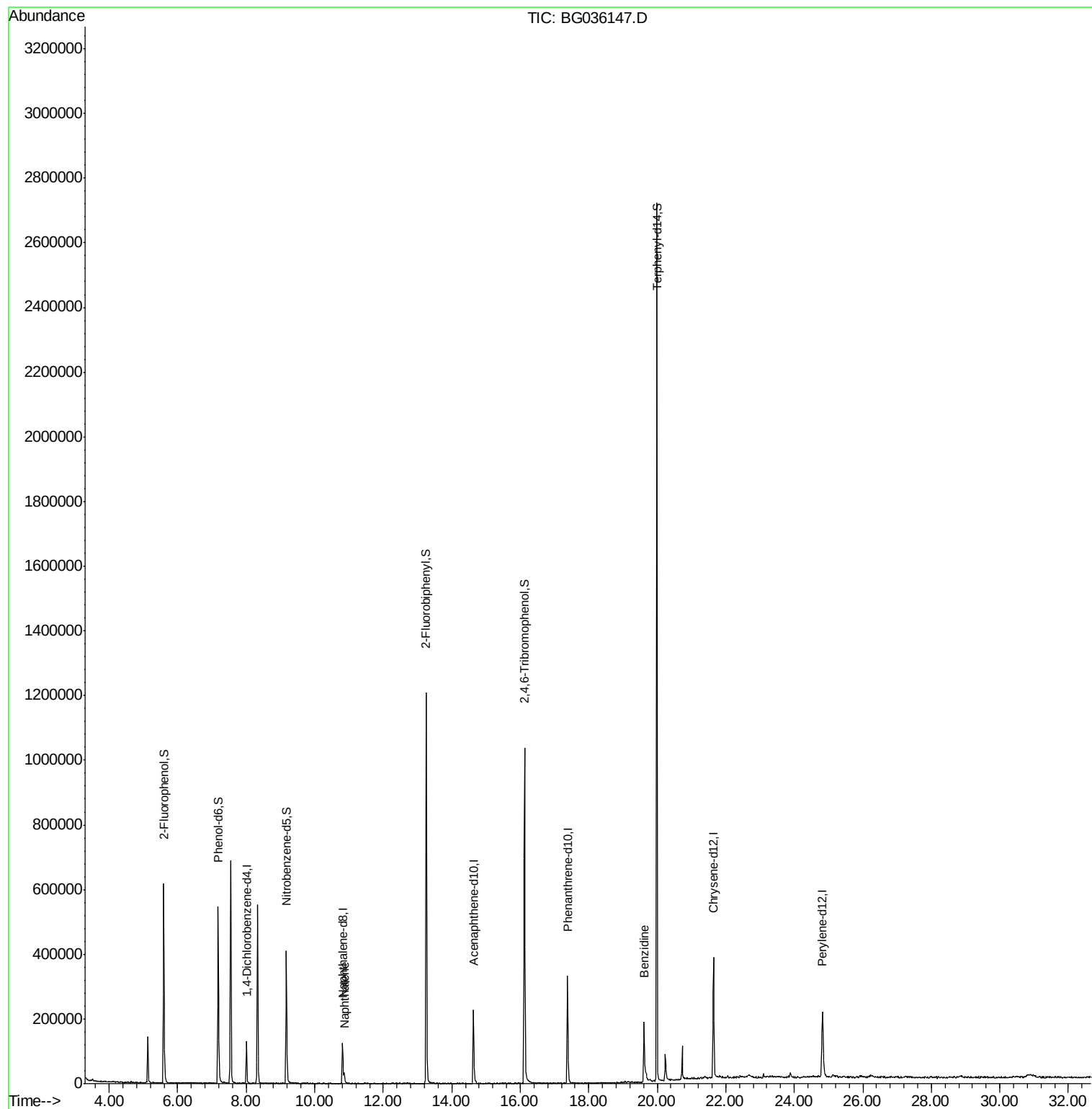
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	36330	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	127134	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	89868	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	247033	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	260367	20.00	ng	-0.02
86) Perylene-d12	24.83	264	246475	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	279314	127.64	ng	-0.01
7) Phenol-d6	7.19	99	355272	108.82	ng	-0.01
23) Nitrobenzene-d5	9.17	82	297897	97.89	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	216887	183.10	ng	-0.02
44) 2-Fluorobiphenyl	13.25	172	701638	104.60	ng	-0.02
78) Terphenyl-d14	19.99	244	1287799	109.03	ng	-0.02
Target Compounds						
31) Naphthalene	10.86	128	29564	4.464	ng	Qvalue # 90
76) Benzidine	19.62	184	181080	26.454	ng	96

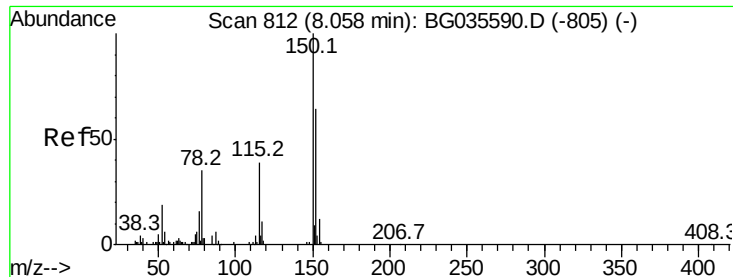
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.02 min

Lab File: BG036147.D

Acq: 7 Aug 2018 4:38

Instrument :

BNA_G

ClientSampleId :

OR-02-080318-A

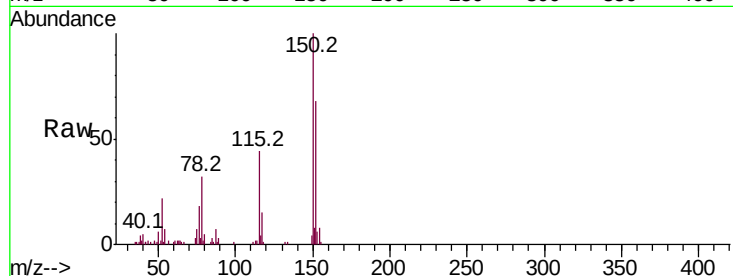
Tot Ion:152 Resp: 36330

Ion Ratio Lower Upper

152 100

150 146.9 126.6 189.8

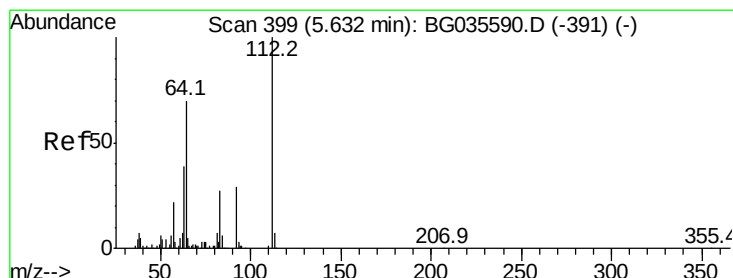
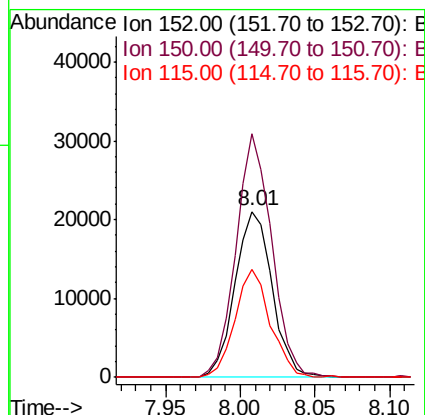
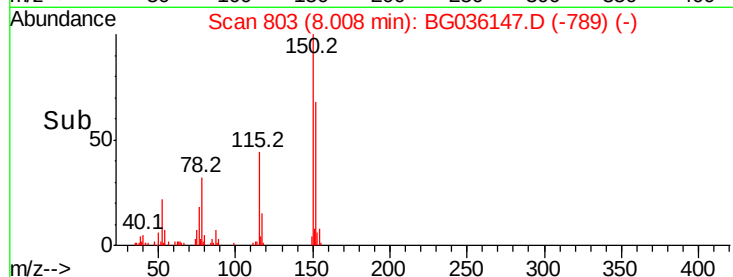
115 65.3 53.0 79.4



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: 127.643 ng

RT: 5.59 min Scan# 392

Delta R.T. -0.01 min

Lab File: BG036147.D

Acq: 7 Aug 2018 4:38

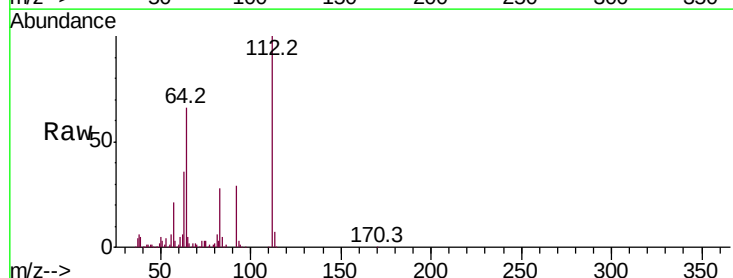
Tgt Ion:112 Resp: 279314

Ion Ratio Lower Upper

112 100

64 66.0 56.3 84.5

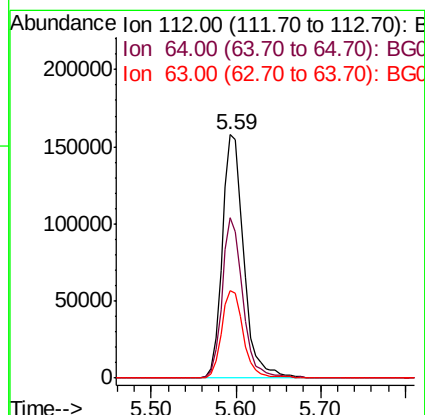
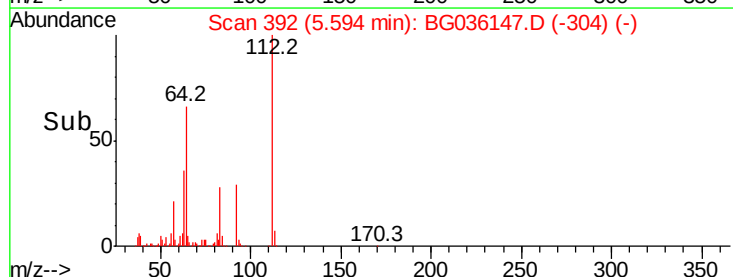
63 36.0 30.1 45.1

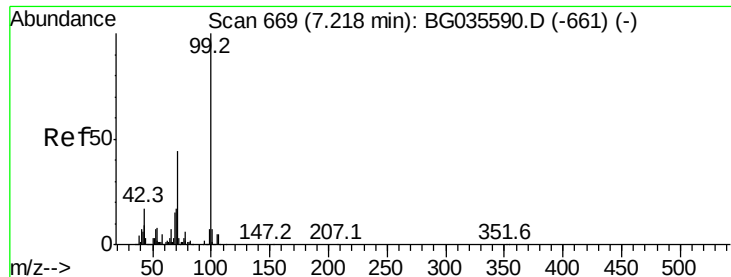


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 108.818 ng

RT: 7.19 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036147.D

Acq: 7 Aug 2018 4:38

Instrument :

BNA_G

ClientSampleId :

OR-02-080318-A

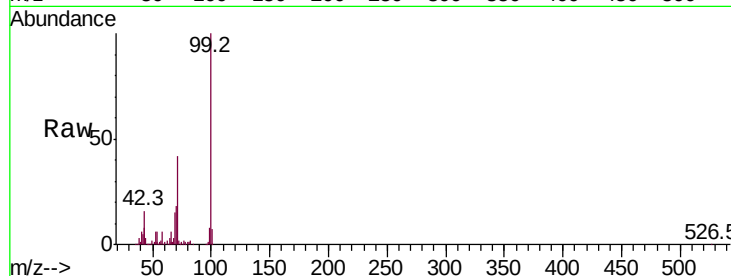
Tot Ion: 99 Resp: 355272

Ion Ratio Lower Upper

99 100

42 15.8 14.1 21.1

71 42.4 26.1 39.1#

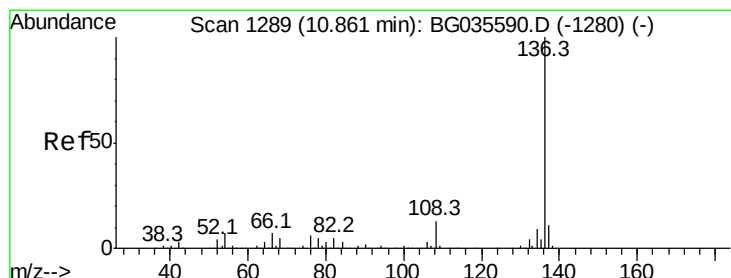
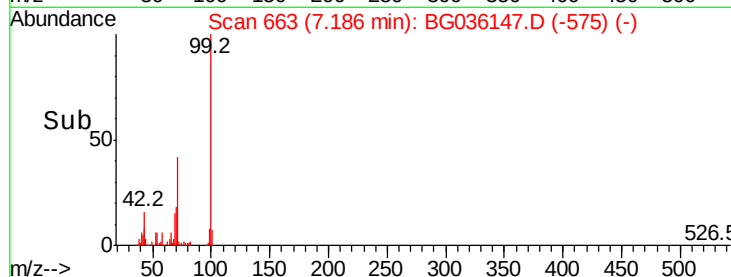
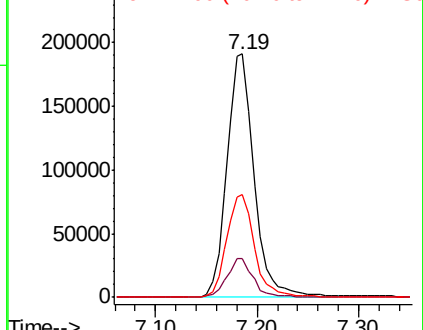


Abundance

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BG036147.D

Acq: 7 Aug 2018 4:38

Tgt Ion: 136 Resp: 127134

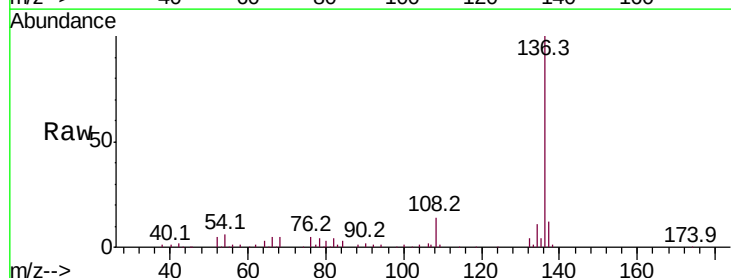
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 6.3 10.3 15.5#

68 5.3 4.5 6.7



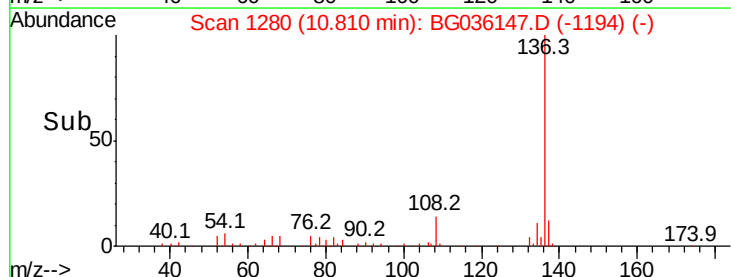
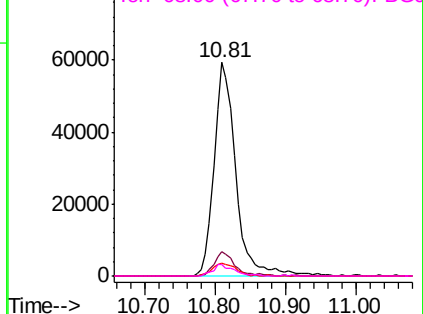
Abundance

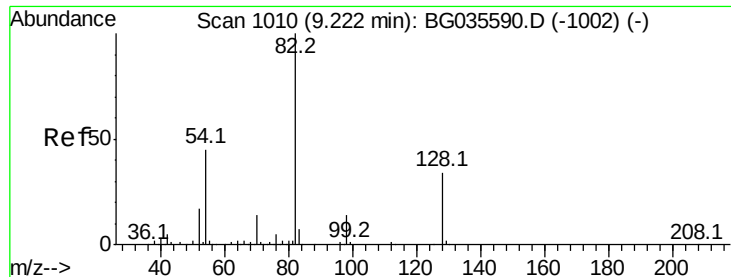
Ion 136.00 (135.70 to 136.70): BGC

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

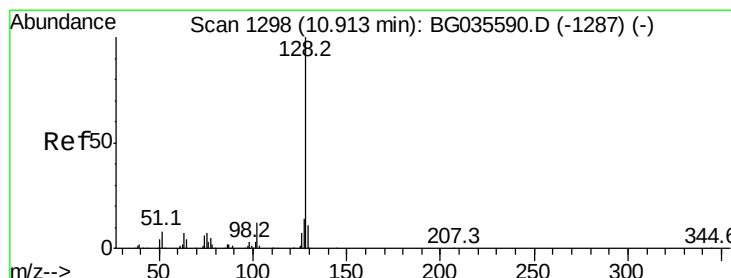
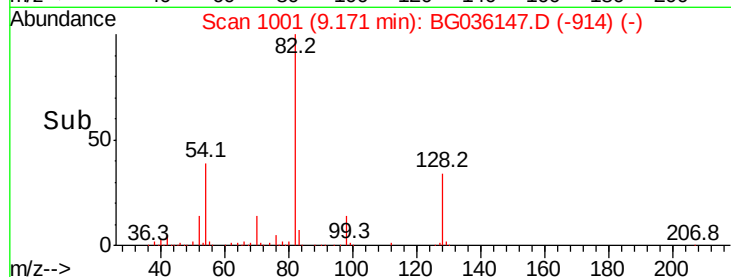
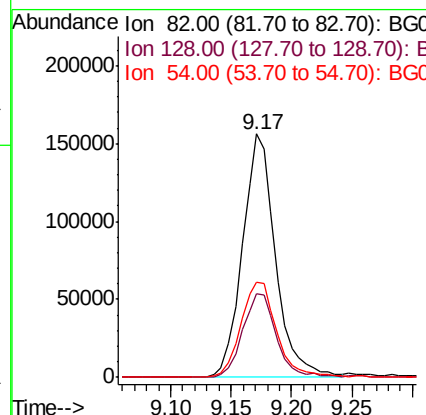
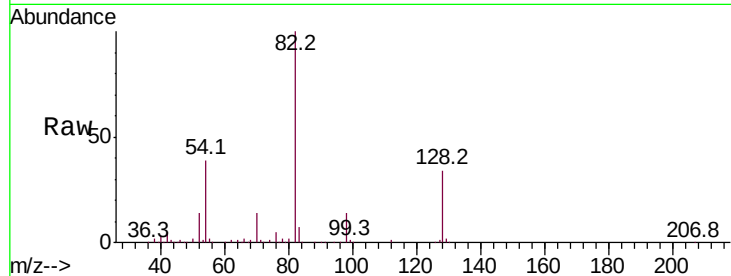




#23
 Nitrobenzene-d5
 Concen: 97.885 ng
 RT: 9.17 min Scan# 1001
 Delta R.T. -0.02 min
 Lab File: BG036147.D
 Acq: 7 Aug 2018 4:38

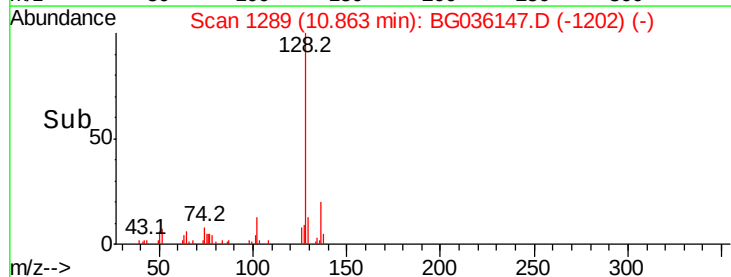
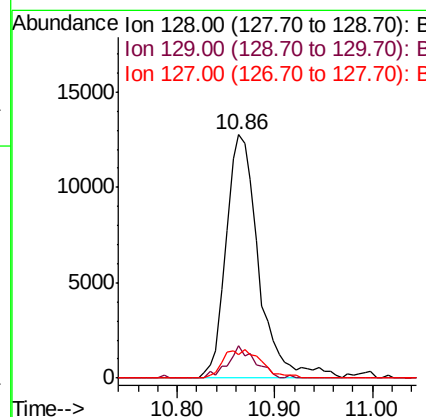
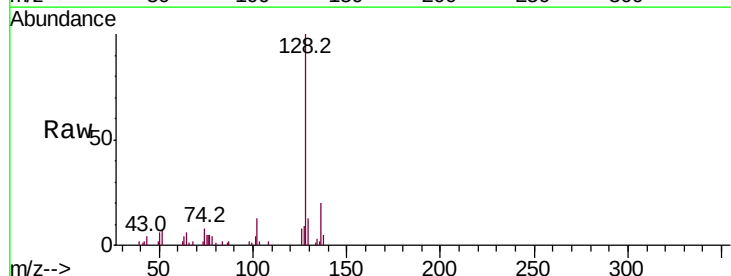
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-080318-A

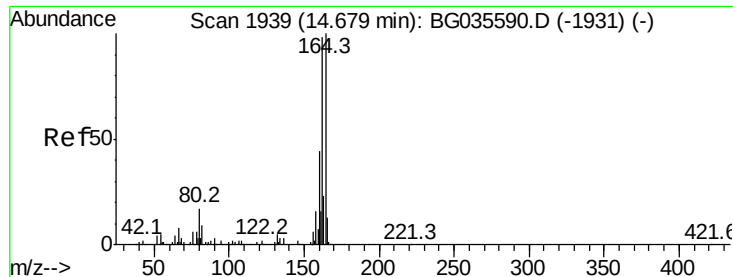
Tot Ion	82	Resp	297897
Ion Ratio	Lower	Upper	
82	100		
128	34.5	29.7	44.5
54	39.2	43.1	64.7#



#31
 Naphthalene
 Concen: 4.464 ng
 RT: 10.86 min Scan# 1289
 Delta R.T. -0.02 min
 Lab File: BG036147.D
 Acq: 7 Aug 2018 4:38

Tgt Ion	128	Resp	29564
Ion Ratio	Lower	Upper	
128	100		
129	13.4	8.6	12.8#
127	9.4	11.6	17.4#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036147.D

Acq: 7 Aug 2018 4:38

Instrument :

BNA_G

ClientSampleId :

OR-02-080318-A

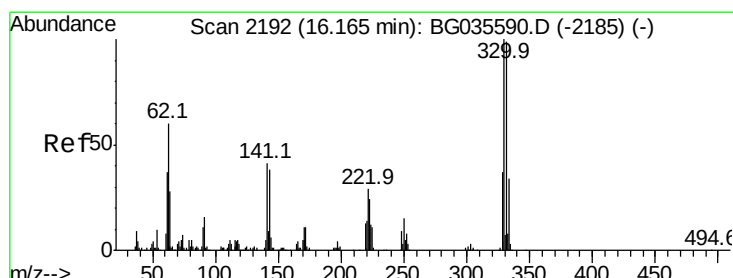
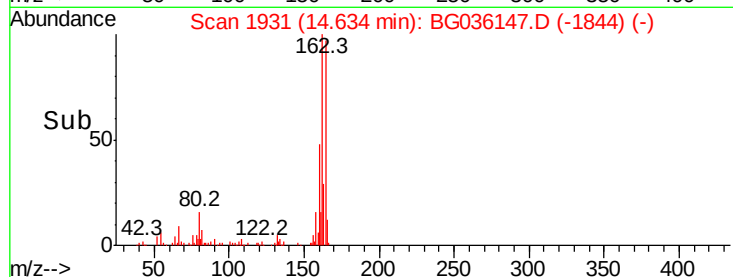
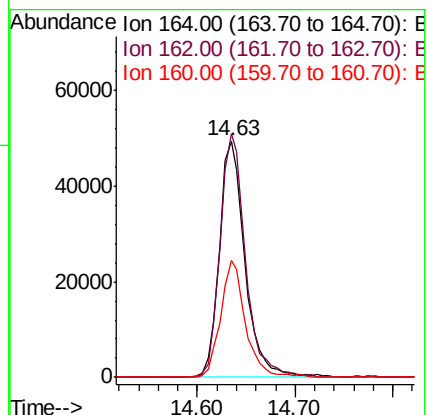
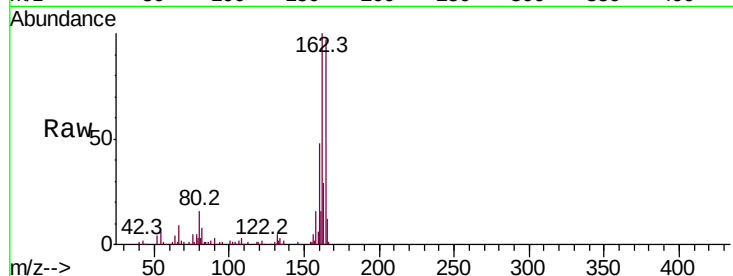
Tot Ion:164 Resp: 89868

Ion Ratio Lower Upper

164 100

162 103.0 78.8 118.2

160 49.3 35.4 53.0



#41

2,4,6-Tribromophenol

Concen: 183.101 ng

RT: 16.13 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036147.D

Acq: 7 Aug 2018 4:38

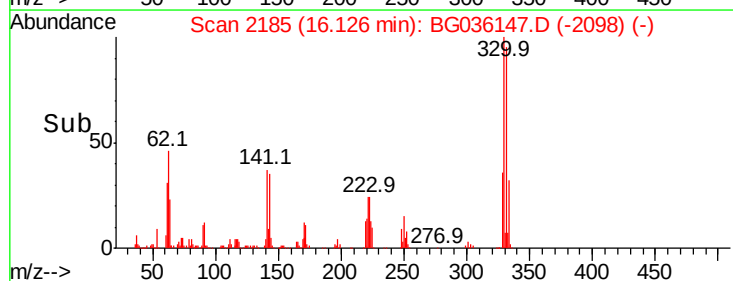
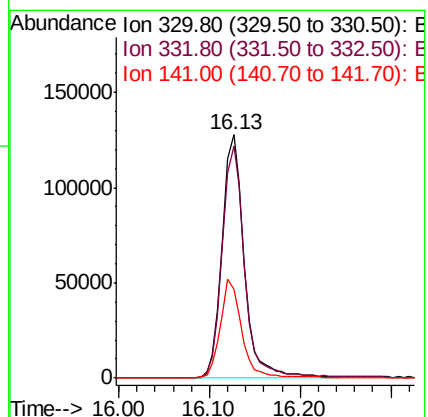
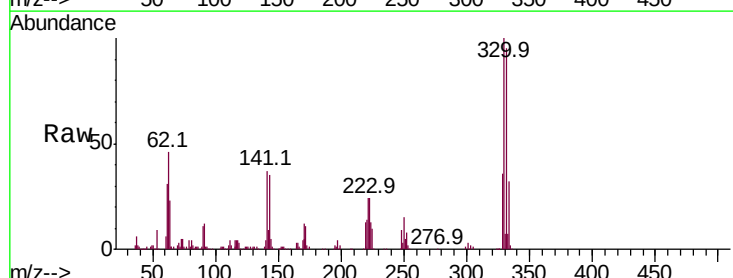
Tgt Ion:330 Resp: 216887

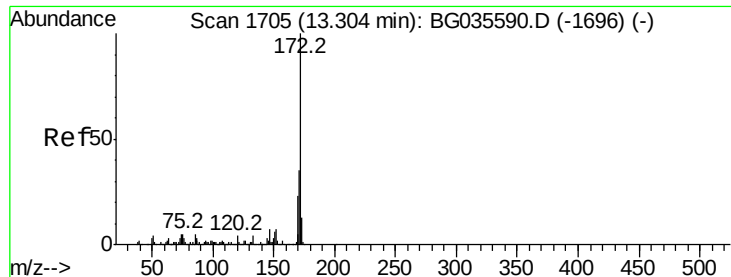
Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

141 39.3 25.2 37.8#

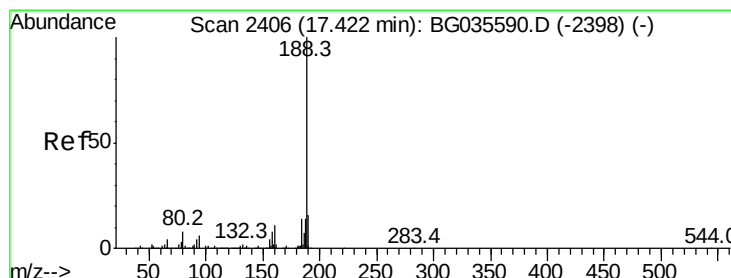
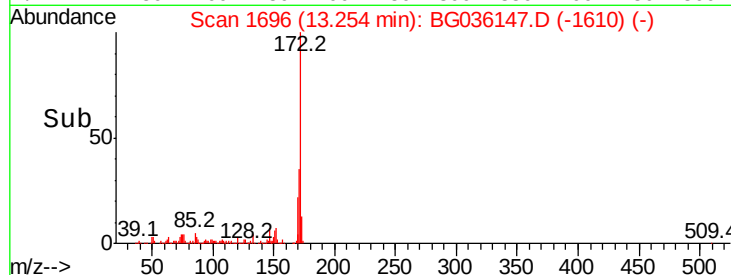
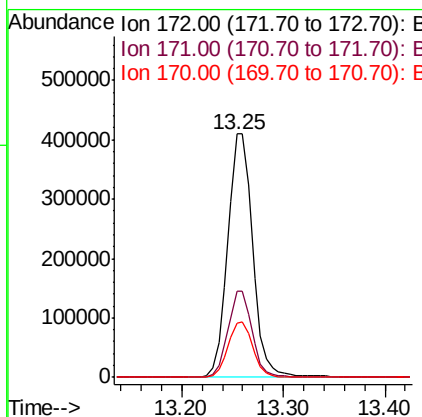
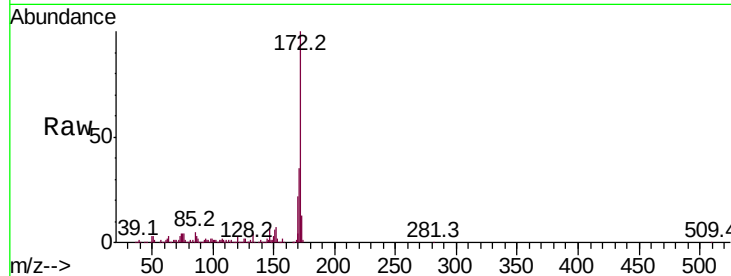




#44
2-Fluorobiphenyl
Concen: 104.599 ng
RT: 13.25 min Scan# 1696
Delta R.T. -0.02 min
Lab File: BG036147.D
Acq: 7 Aug 2018 4:38

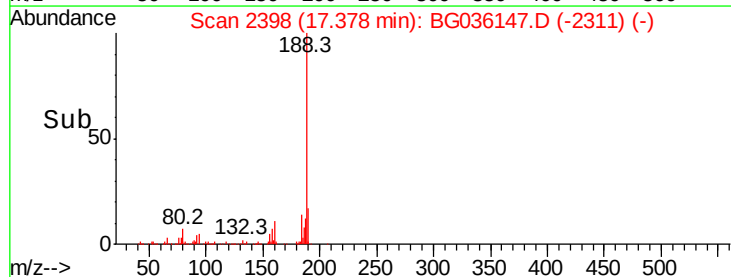
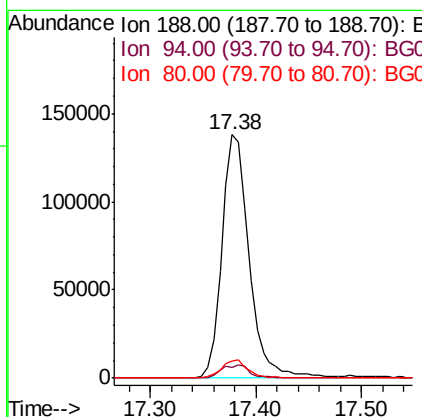
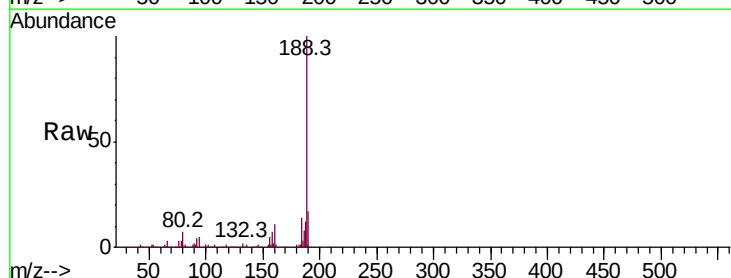
Instrument :
BNA_G
ClientSampleId :
OR-02-080318-A

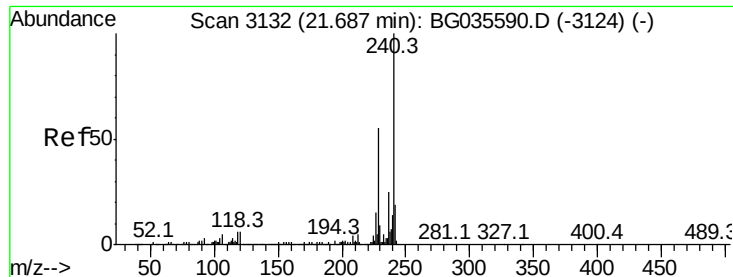
Tot Ion:172 Resp: 701638
Ion Ratio Lower Upper
172 100
171 35.4 30.0 45.0
170 22.4 19.5 29.3



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.38 min Scan# 2398
Delta R.T. -0.02 min
Lab File: BG036147.D
Acq: 7 Aug 2018 4:38

Tgt Ion:188 Resp: 247033
Ion Ratio Lower Upper
188 100
94 4.6 6.9 10.3#
80 6.9 7.7 11.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036147.D

Acq: 7 Aug 2018 4:38

Instrument :

BNA_G

ClientSampleId :

OR-02-080318-A

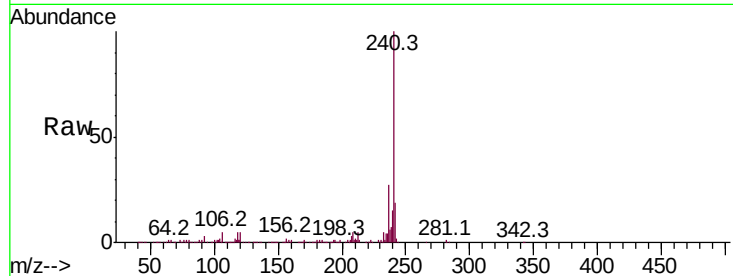
Tot Ion:240 Resp: 260367

Ion Ratio Lower Upper

240 100

120 4.7 6.8 10.2#

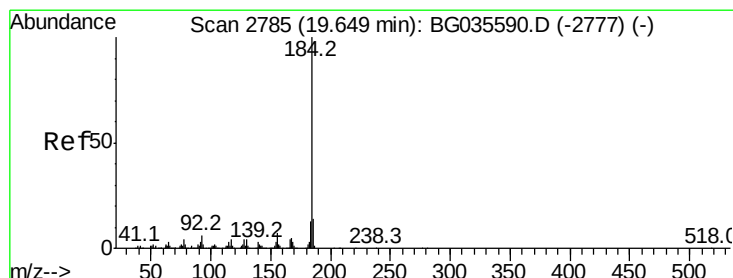
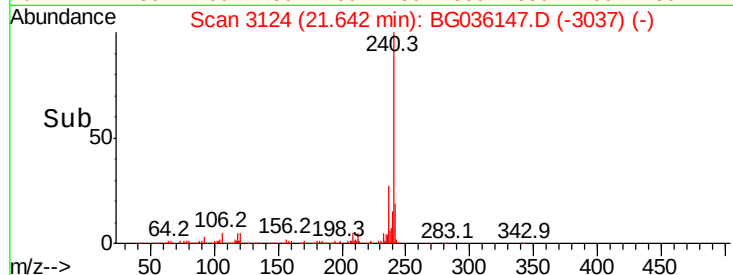
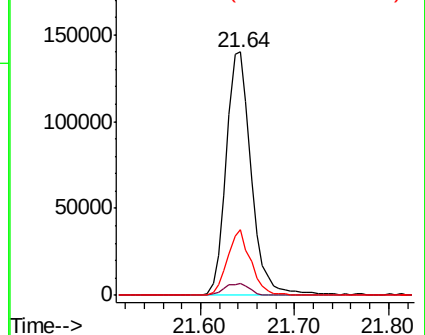
236 27.2 20.9 31.3



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



#76

Benzidine

Concen: 26.454 ng

RT: 19.62 min Scan# 2779

Delta R.T. -0.01 min

Lab File: BG036147.D

Acq: 7 Aug 2018 4:38

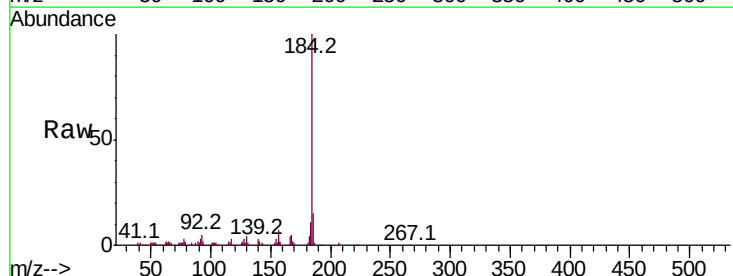
Tgt Ion:184 Resp: 181080

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

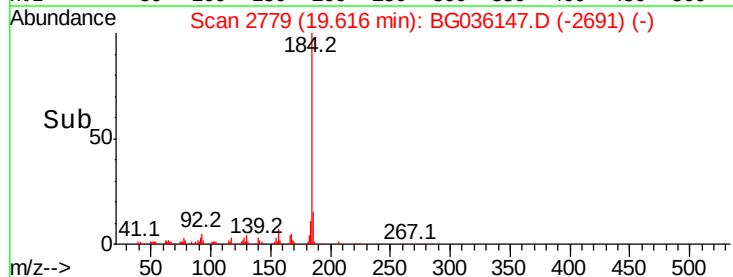
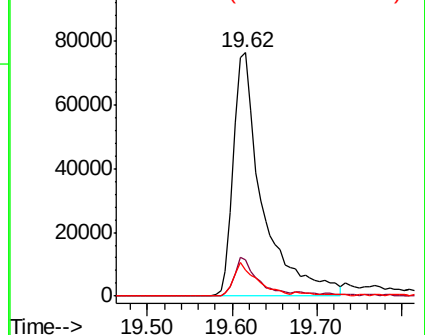
183 10.9 10.6 16.0

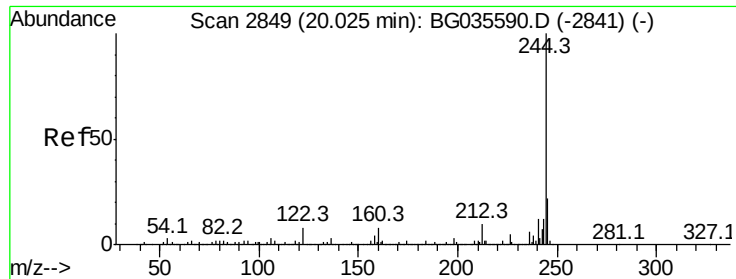


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 109.027 ng

RT: 19.99 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036147.D

Acq: 7 Aug 2018 4:38

Instrument :

BNA_G

ClientSampleId :

OR-02-080318-A

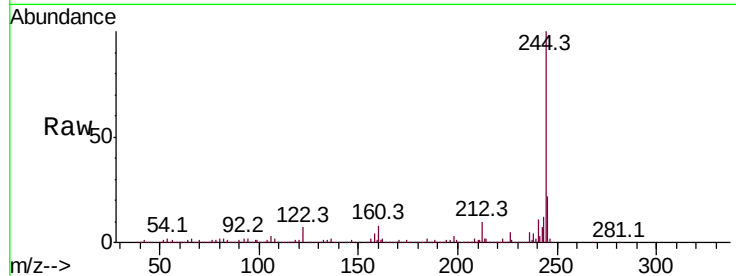
Tot Ion:244 Resp: 1287799

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

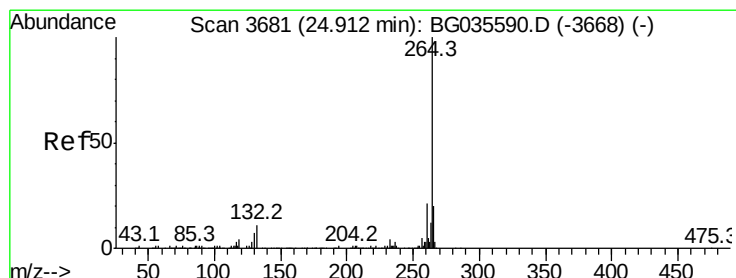
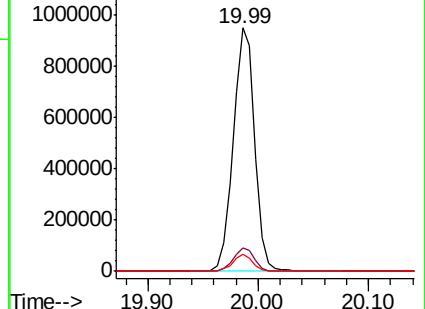
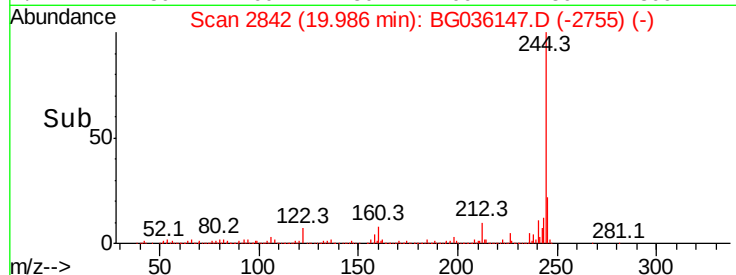
122 7.1 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 24.83 min Scan# 3666

Delta R.T. -0.03 min

Lab File: BG036147.D

Acq: 7 Aug 2018 4:38

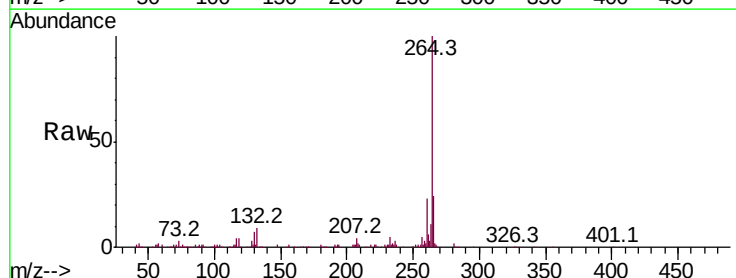
Tgt Ion:264 Resp: 246475

Ion Ratio Lower Upper

264 100

260 22.6 17.4 26.0

265 23.6 17.7 26.5



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

