

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091817\
 Data File : BG028812.D
 Acq On : 19 Sep 2017 2:23
 Operator : SJ/JU
 Sample : I5250-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-091417

Quant Time: Sep 19 04:52:28 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

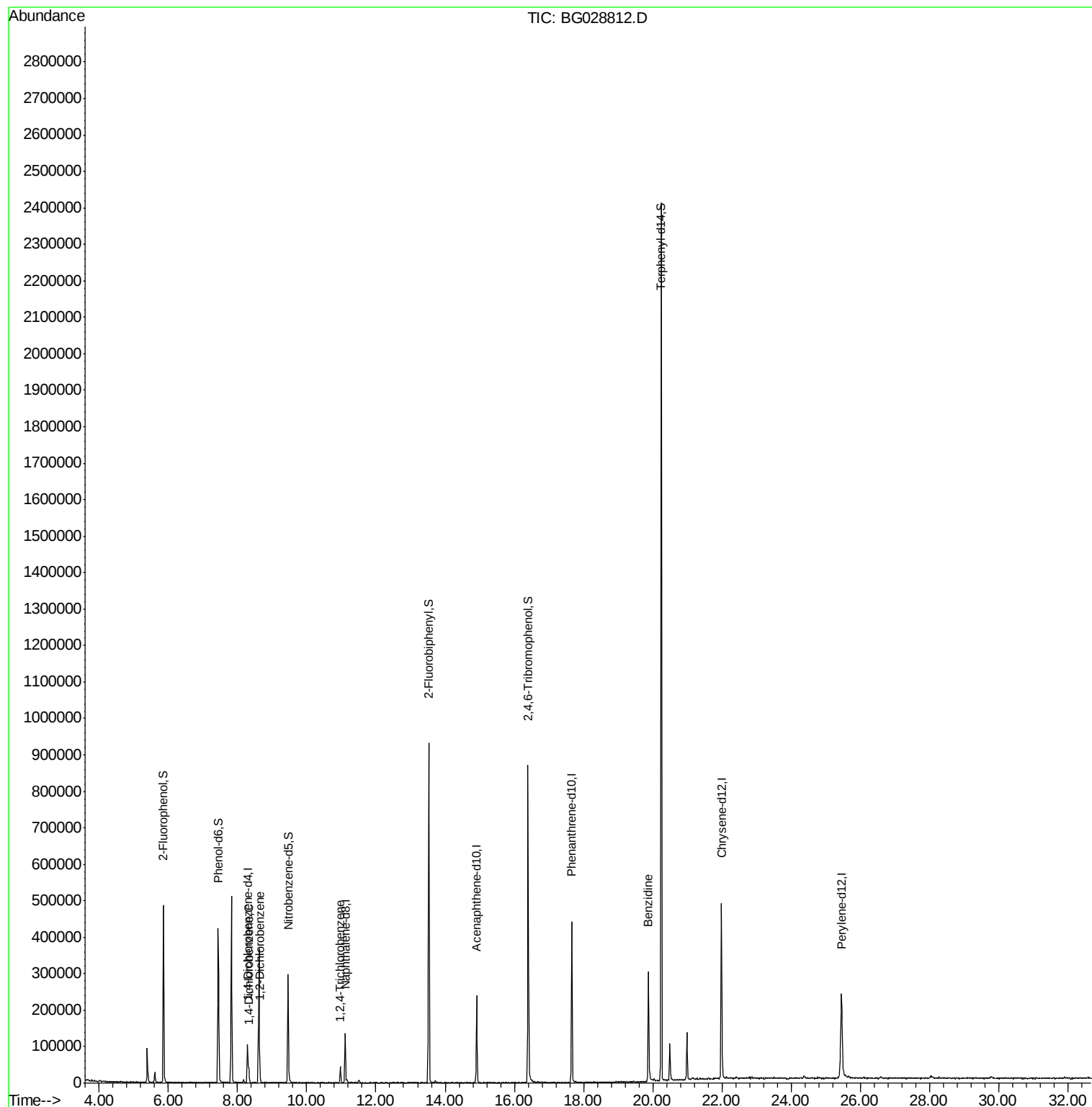
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	29677	20.00	ng	-0.04
21) Naphthalene-d8	11.11	136	119744	20.00	ng	-0.04
38) Acenaphthene-d10	14.91	164	90293	20.00	ng	-0.04
63) Phenanthrene-d10	17.66	188	279400	20.00	ng	-0.04
75) Chrysene-d12	21.98	240	327938	20.00	ng	-0.05
86) Perylene-d12	25.46	264	328667	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.86	112	205378	114.19	ng	-0.05
7) Phenol-d6	7.44	99	255719	94.43	ng	-0.05
23) Nitrobenzene-d5	9.46	82	192265	76.81	ng	-0.05
41) 2,4,6-Tribromophenol	16.40	330	203014	135.94	ng	-0.04
44) 2-Fluorobiphenyl	13.53	172	521248	76.98	ng	-0.04
78) Terphenyl-d14	20.24	244	1189415	77.35	ng	-0.04
Target Compounds						
13) 1,4-Dichlorobenzene	8.32	146	13802	6.217	ng	92
14) 1,2-Dichlorobenzene	8.64	146	7931	3.616	ng	# 71
30) 1,2,4-Trichlorobenzene	10.97	180	18206	7.438	ng	# 84
76) Benzidine	19.87	184	217480	25.573	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.29 min Scan# 800

Delta R.T. -0.04 min

Lab File: BG028812.D

Acq: 19 Sep 2017 2:23

Instrument :

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ClientSampleId :

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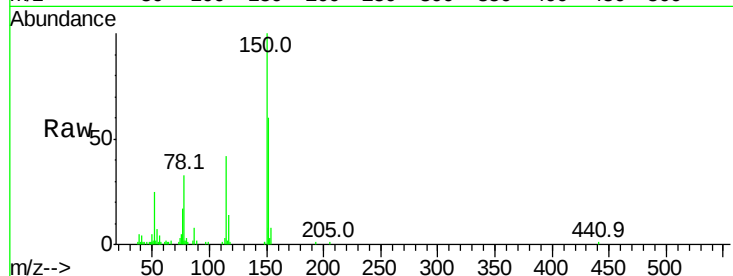
Tot Ion:152 Resp: 29677

Ion Ratio Lower Upper

152 100

150 165.4 114.0 171.0

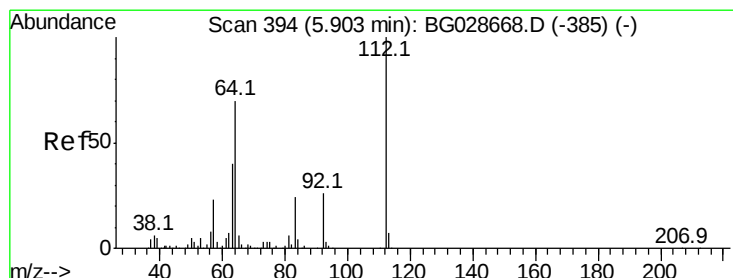
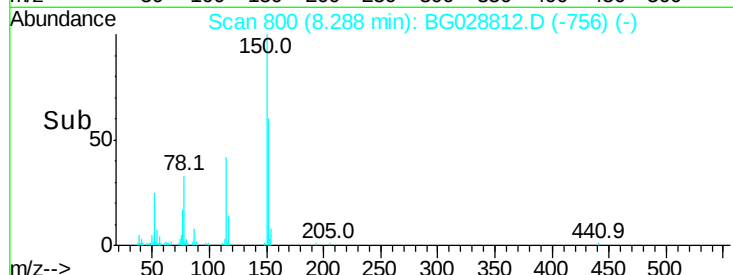
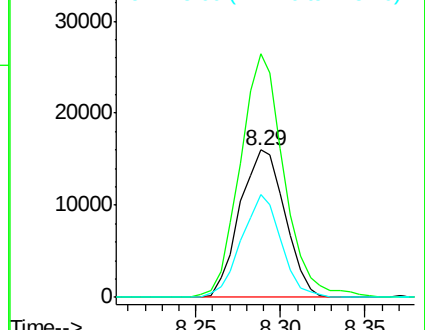
115 69.7 48.1 72.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 114.191 ng

RT: 5.86 min Scan# 386

Delta R.T. -0.05 min

Lab File: BG028812.D

Acq: 19 Sep 2017 2:23

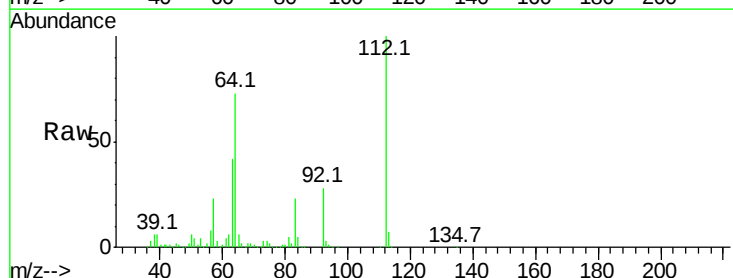
Tgt Ion:112 Resp: 205378

Ion Ratio Lower Upper

112 100

64 73.0 61.8 92.6

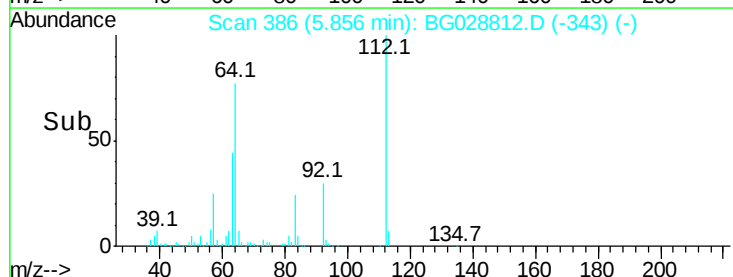
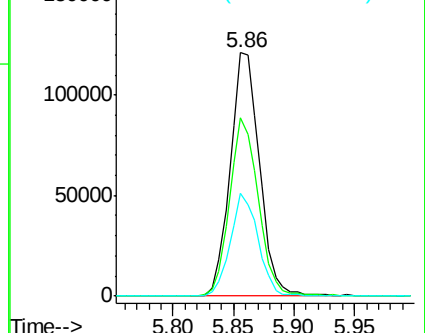
63 42.3 37.2 55.8

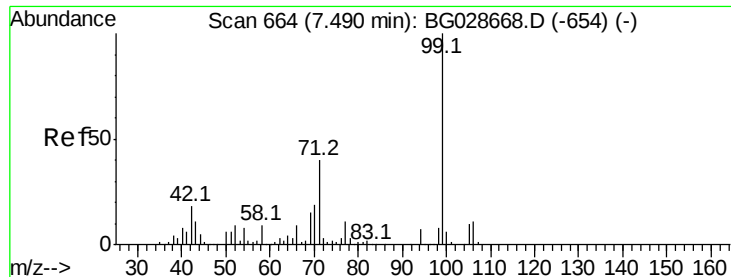


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 94.433 ng

RT: 7.44 min Scan# 656

Delta R.T. -0.05 min

Lab File: BG028812.D

Acq: 19 Sep 2017 2:23

Instrument :

BNA_G

ClientSampleId :

OK-01-091417

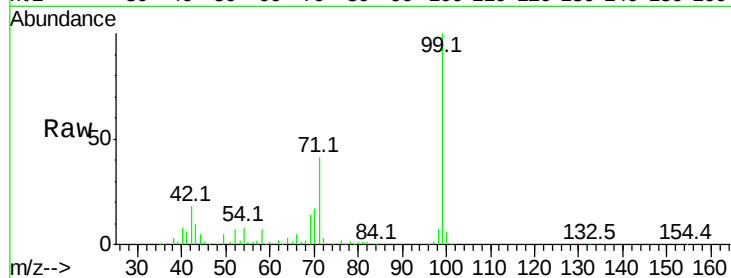
Tot Ion: 99 Resp: 255719

Ion Ratio Lower Upper

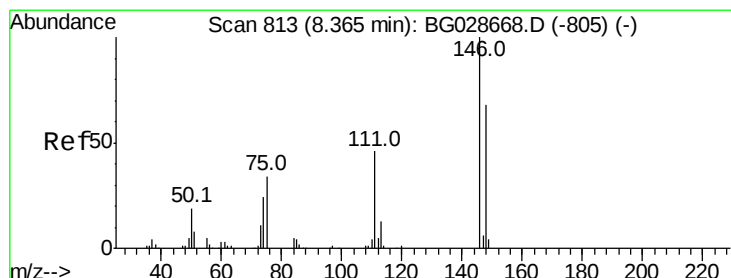
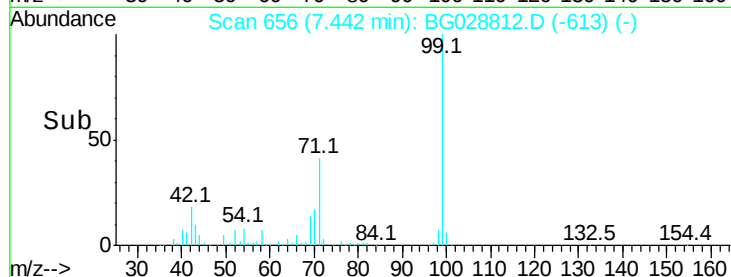
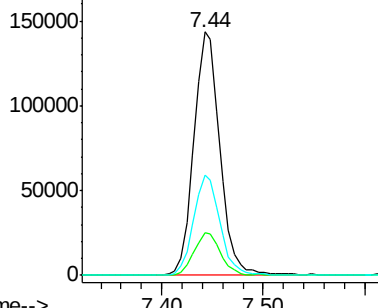
99 100

42 17.5 20.5 30.7#

71 41.0 37.6 56.4



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



#13

1,4-Dichlorobenzene

Concen: 6.217 ng

RT: 8.32 min Scan# 806

Delta R.T. -0.04 min

Lab File: BG028812.D

Acq: 19 Sep 2017 2:23

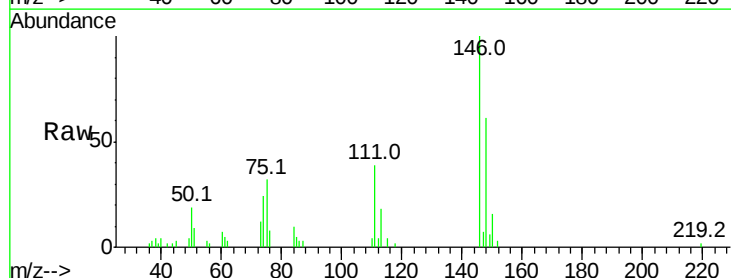
Tgt Ion: 146 Resp: 13802

Ion Ratio Lower Upper

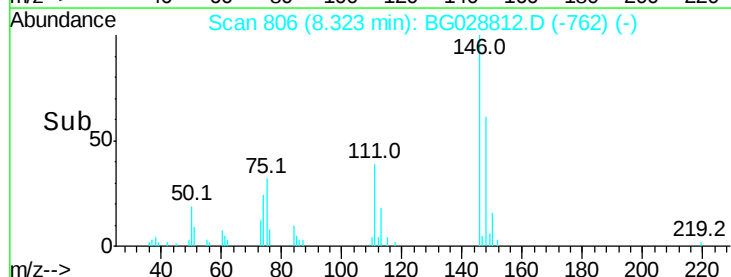
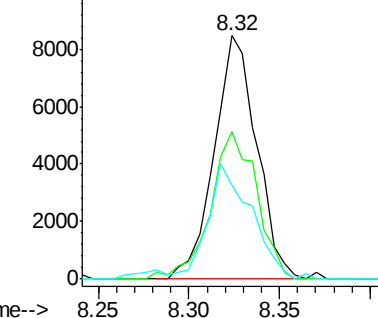
146 100

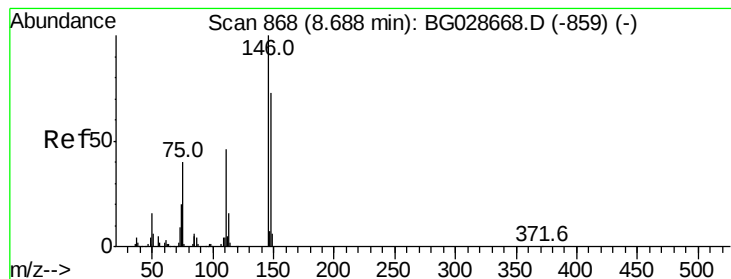
148 60.9 52.2 78.2

111 38.8 37.0 55.6



Abundance Ion 146.00 (145.70 to 146.70): BGC
Ion 148.00 (147.70 to 148.70): BGC
Ion 111.00 (110.70 to 111.70): BGC





#14

1,2-Dichlorobenzene

Concen: 3.616 ng

RT: 8.64 min Scan# 860

Delta R.T. -0.05 min

Lab File: BG028812.D

Acq: 19 Sep 2017 2:23

Instrument :

BNA_G

ClientSampleId :

OK-01-091417

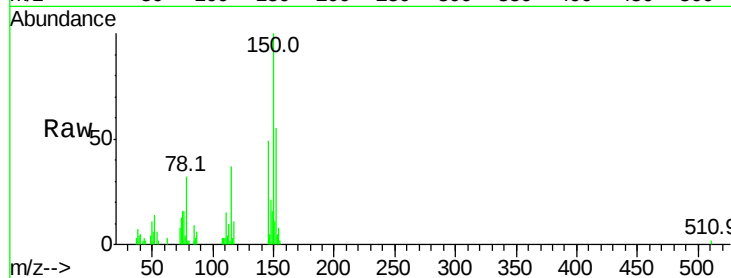
Tot Ion:146 Resp: 7931

Ion Ratio Lower Upper

146 100

148 43.6 54.6 81.8#

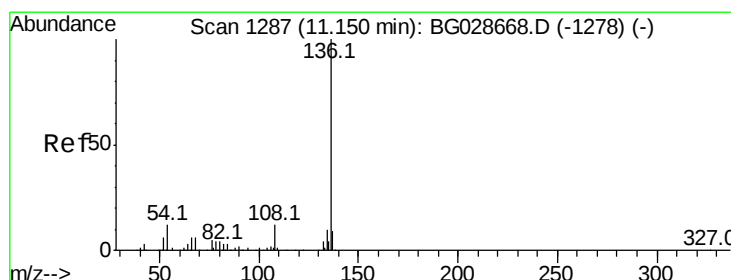
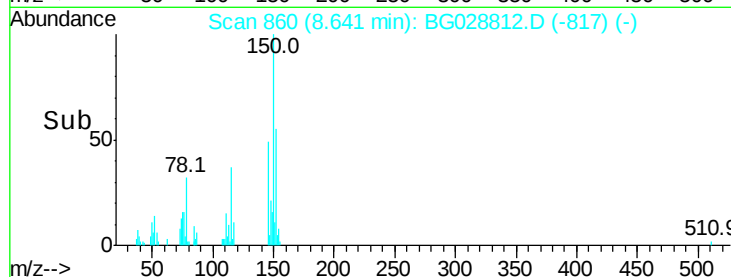
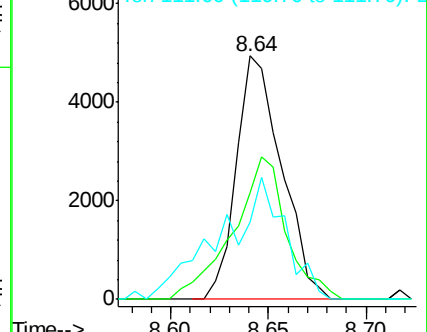
111 31.7 39.7 59.5#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.11 min Scan# 1281

Delta R.T. -0.04 min

Lab File: BG028812.D

Acq: 19 Sep 2017 2:23

Tgt Ion:136 Resp: 119744

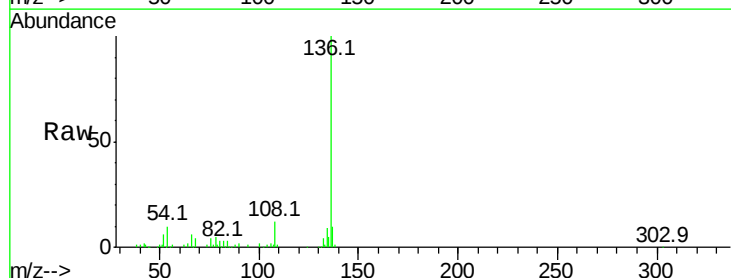
Ion Ratio Lower Upper

136 100

137 10.1 8.9 13.3

54 10.3 9.3 13.9

68 4.2 5.1 7.7#

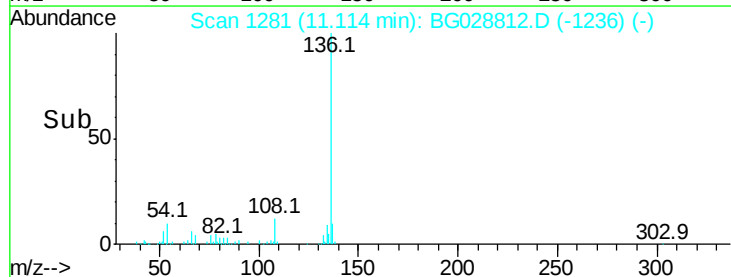
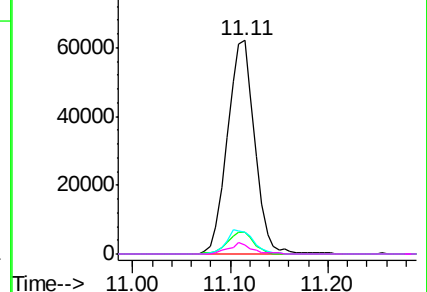


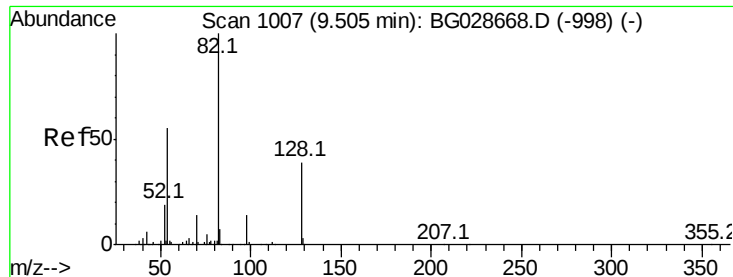
Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.809 ng

RT: 9.46 min Scan# 999

Delta R.T. -0.05 min

Lab File: BG028812.D

Acq: 19 Sep 2017 2:23

Instrument :

BNA_G

ClientSampleId :

OK-01-091417

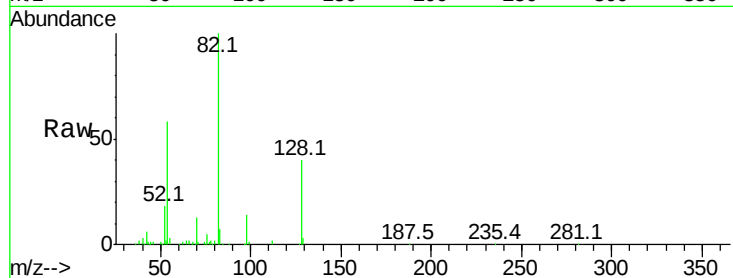
Tot Ion: 82 Resp: 192265

Ion Ratio Lower Upper

82 100

128 39.7 26.4 39.6#

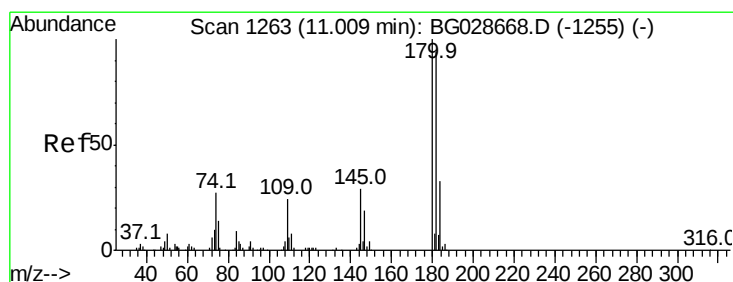
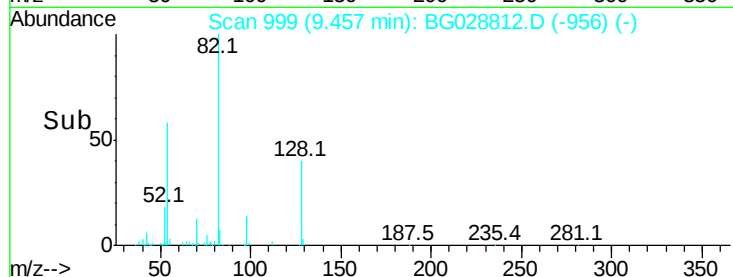
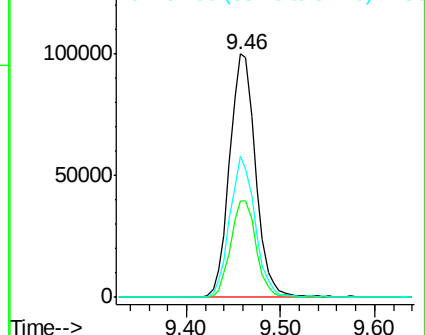
54 57.9 49.4 74.2



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#30

1,2,4-Trichlorobenzene

Concen: 7.438 ng

RT: 10.97 min Scan# 1257

Delta R.T. -0.04 min

Lab File: BG028812.D

Acq: 19 Sep 2017 2:23

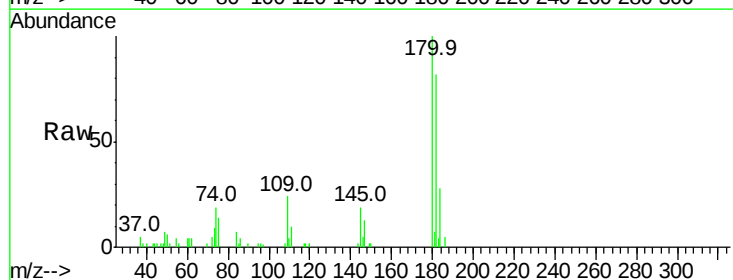
Tgt Ion: 180 Resp: 18206

Ion Ratio Lower Upper

180 100

182 81.6 77.0 115.4

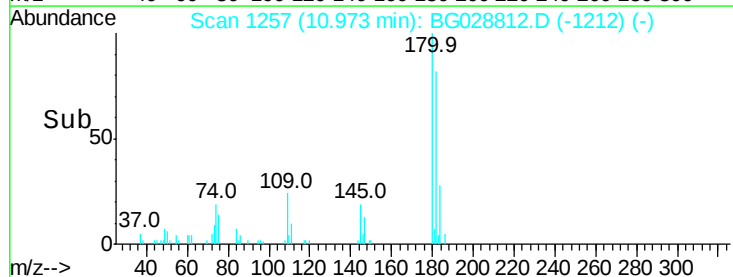
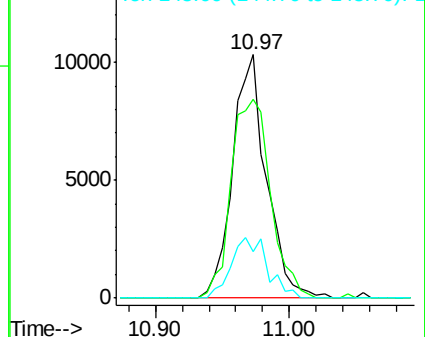
145 19.1 23.4 35.0#

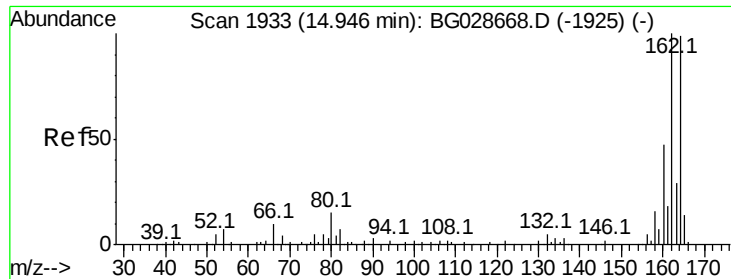


Abundance Ion 180.00 (179.70 to 180.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 145.00 (144.70 to 145.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.91 min Scan# 1927

Delta R.T. -0.04 min

Lab File: BG028812.D

Acq: 19 Sep 2017 2:23

Instrument :

BNA_G

ClientSampleId :

OK-01-091417

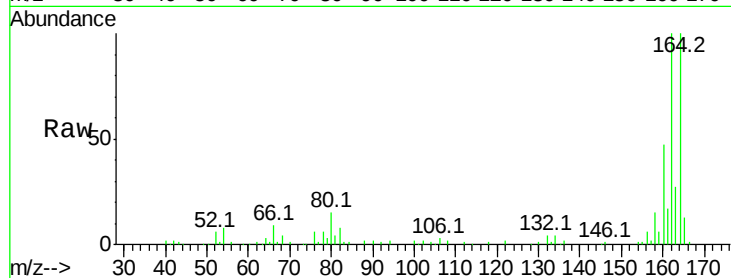
Tot Ion:164 Resp: 90293

Ion Ratio Lower Upper

164 100

162 100.3 85.1 127.7

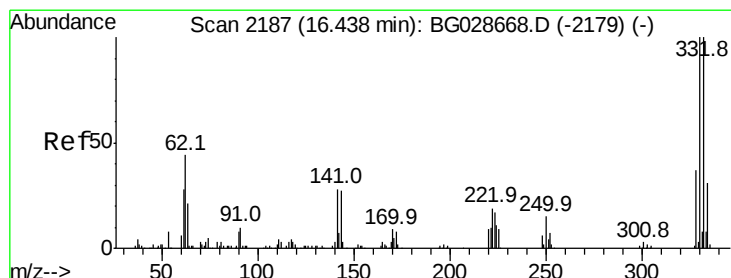
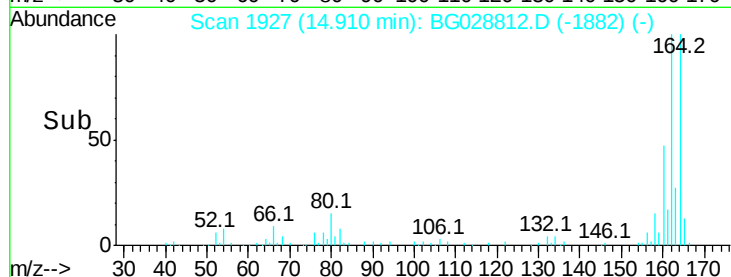
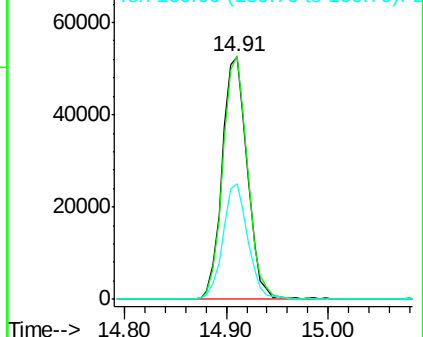
160 47.6 34.7 52.1



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: 135.942 ng

RT: 16.40 min Scan# 2181

Delta R.T. -0.04 min

Lab File: BG028812.D

Acq: 19 Sep 2017 2:23

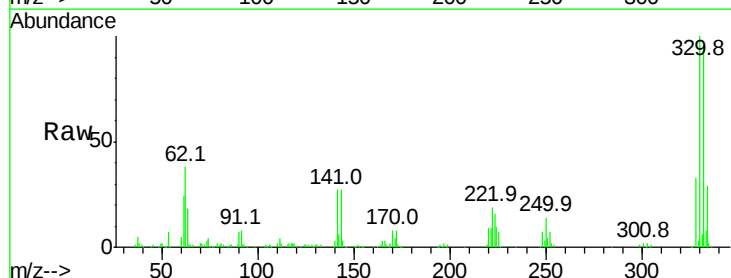
Tgt Ion:330 Resp: 203014

Ion Ratio Lower Upper

330 100

332 91.9 77.3 115.9

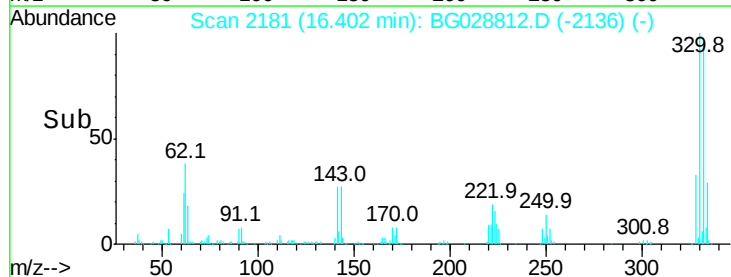
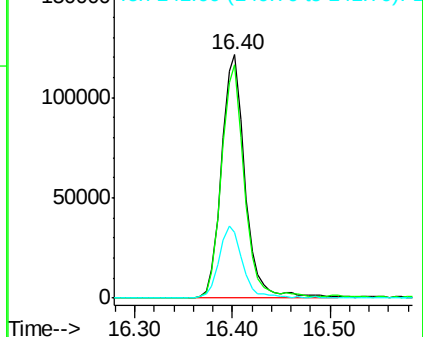
141 29.6 32.1 48.1#

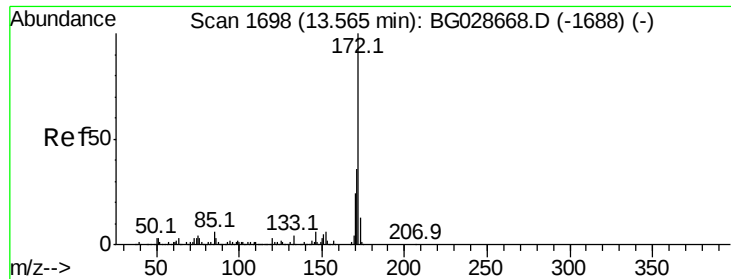


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

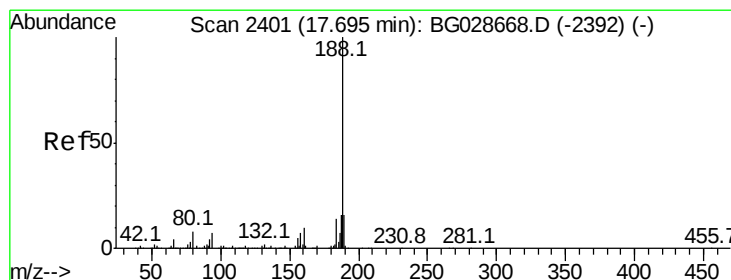
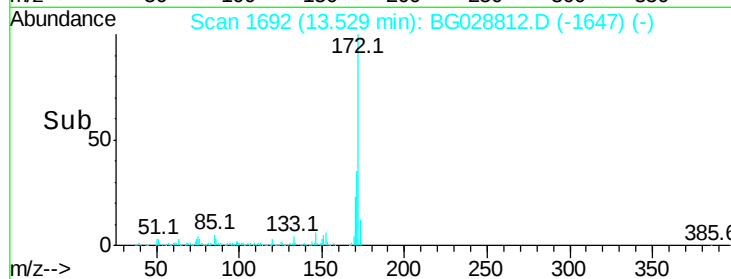
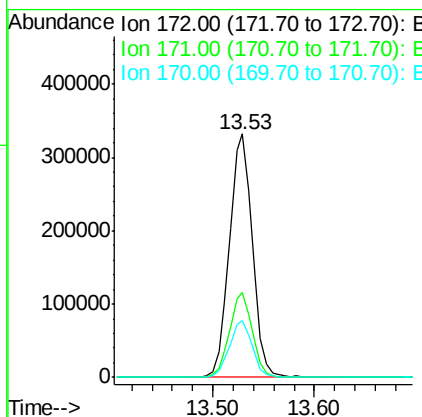
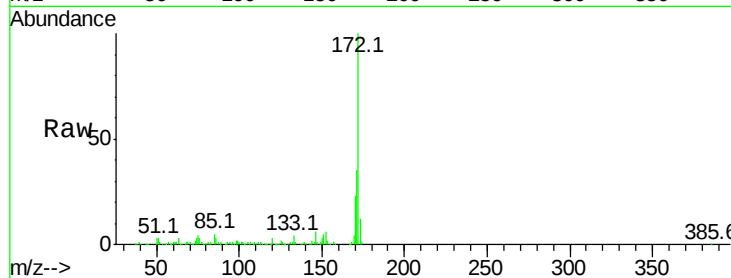




#44
 2-Fluorobiphenyl
 Concen: 76.976 ng
 RT: 13.53 min Scan# 1692
 Delta R.T. -0.04 min
 Lab File: BG028812.D
 Acq: 19 Sep 2017 2:23

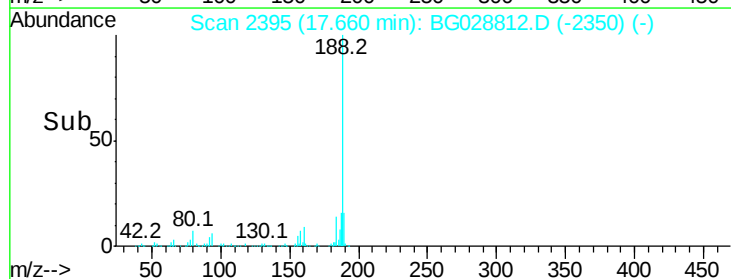
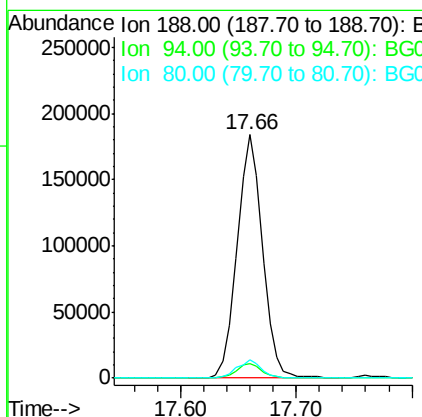
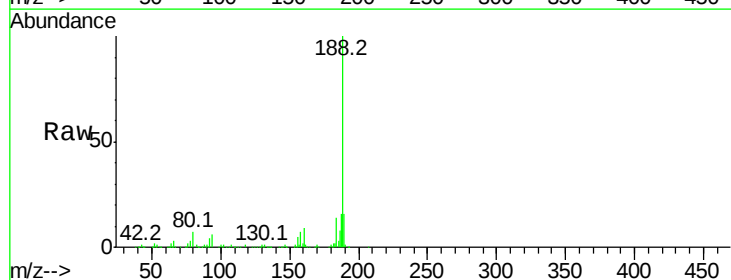
Instrument :
 BNA_G
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 OK-01-091417

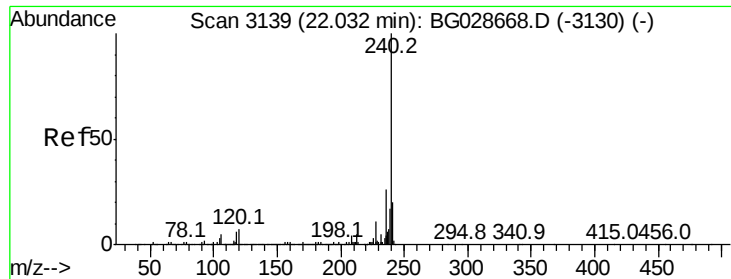
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	32.2	48.2
170	23.3	21.8	32.6



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.66 min Scan# 2395
 Delta R.T. -0.04 min
 Lab File: BG028812.D
 Acq: 19 Sep 2017 2:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	5.8	8.8
80	7.5	7.5	11.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.98 min Scan# 3131

Delta R.T. -0.05 min

Lab File: BG028812.D

Acq: 19 Sep 2017 2:23

Instrument :

BNA_G

ClientSampleId :

OK-01-091417

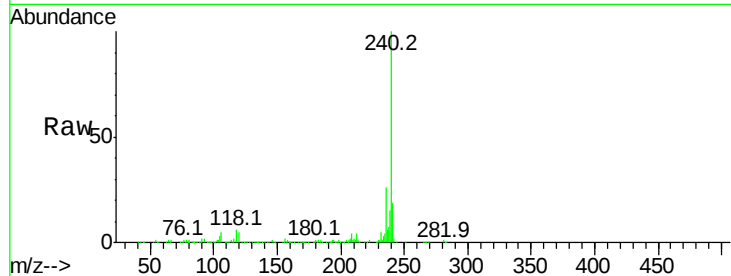
Tot Ion:240 Resp: 327938

Ion Ratio Lower Upper

240 100

120 5.4 5.7 8.5#

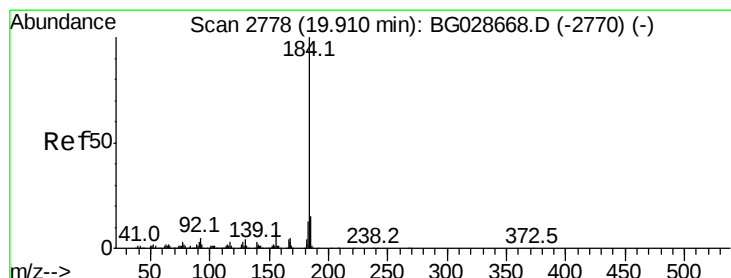
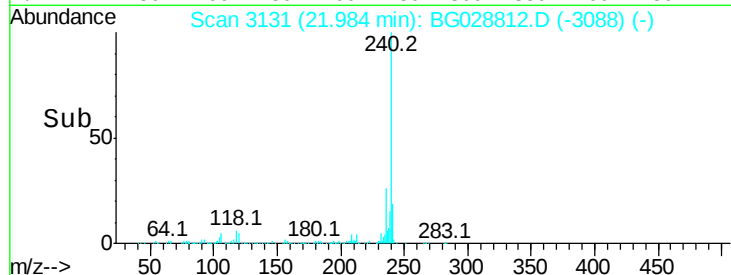
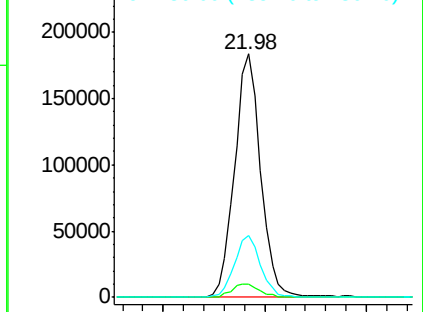
236 25.5 22.2 33.4



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: 25.573 ng

RT: 19.87 min Scan# 2772

Delta R.T. -0.04 min

Lab File: BG028812.D

Acq: 19 Sep 2017 2:23

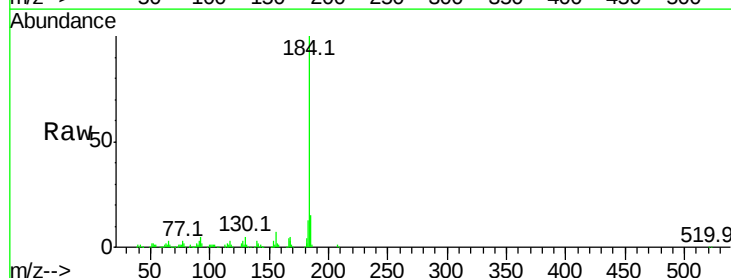
Tgt Ion:184 Resp: 217480

Ion Ratio Lower Upper

184 100

185 15.3 13.0 19.6

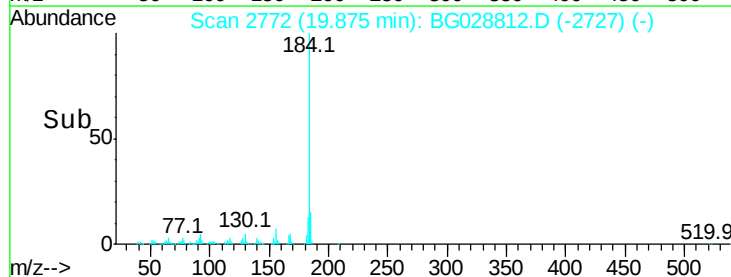
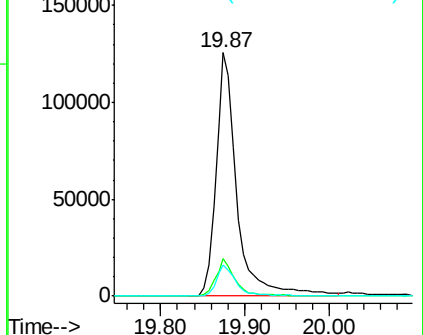
183 12.9 11.0 16.6

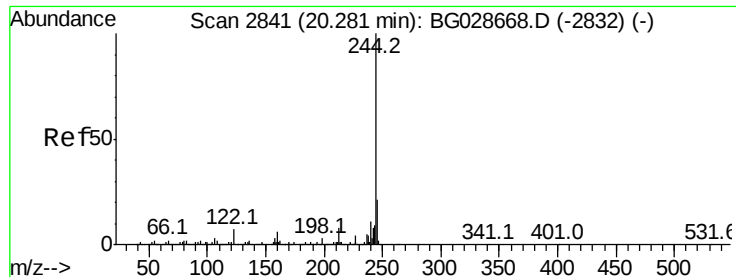


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 77.347 ng

RT: 20.24 min Scan# 2835

Delta R.T. -0.04 min

Lab File: BG028812.D

Acq: 19 Sep 2017 2:23

Instrument :

BNA_G

ClientSampleId :

OK-01-091417

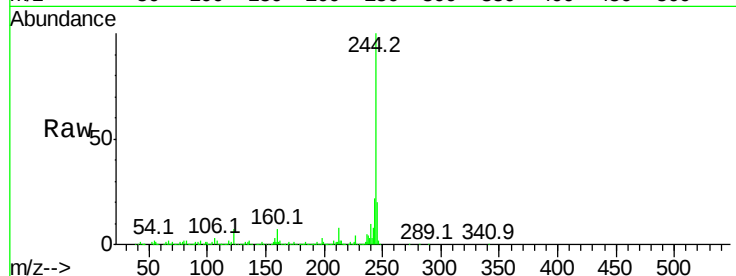
Tot Ion:244 Resp: 1189415

Ion Ratio Lower Upper

244 100

212 7.8 10.0 15.0#

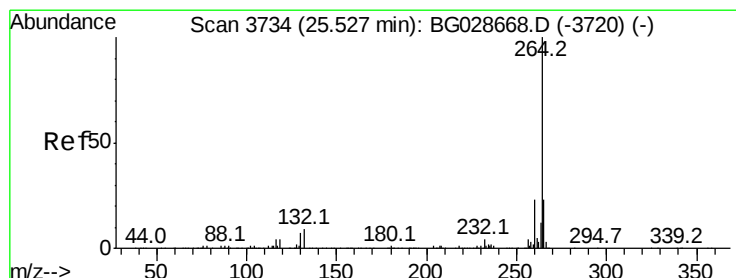
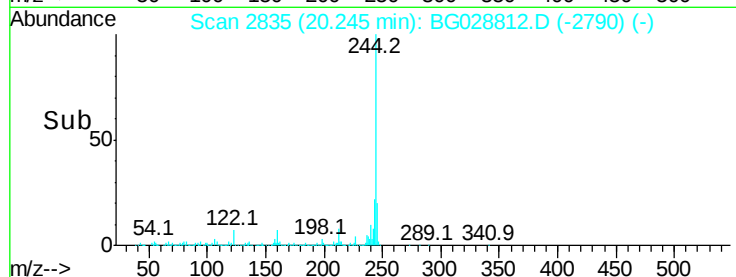
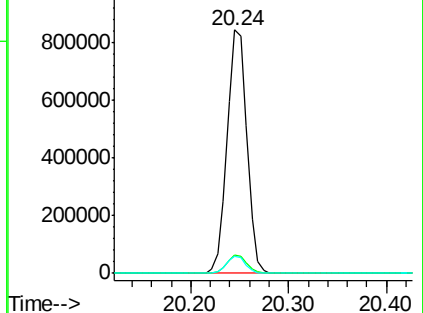
122 7.1 8.6 12.8#



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: 25.46 min Scan# 3722

Delta R.T. -0.07 min

Lab File: BG028812.D

Acq: 19 Sep 2017 2:23

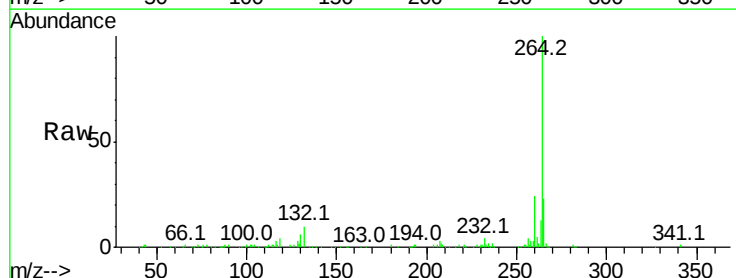
Tgt Ion:264 Resp: 328667

Ion Ratio Lower Upper

264 100

260 24.3 21.8 32.8

265 23.0 18.2 27.4



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

