

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092017\
 Data File : BG028858.D
 Acq On : 21 Sep 2017 15:01
 Operator : SJ/JU
 Sample : I5291-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 21 15:42:59 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 21 12:57:55 2017
 Response via : Initial Calibration

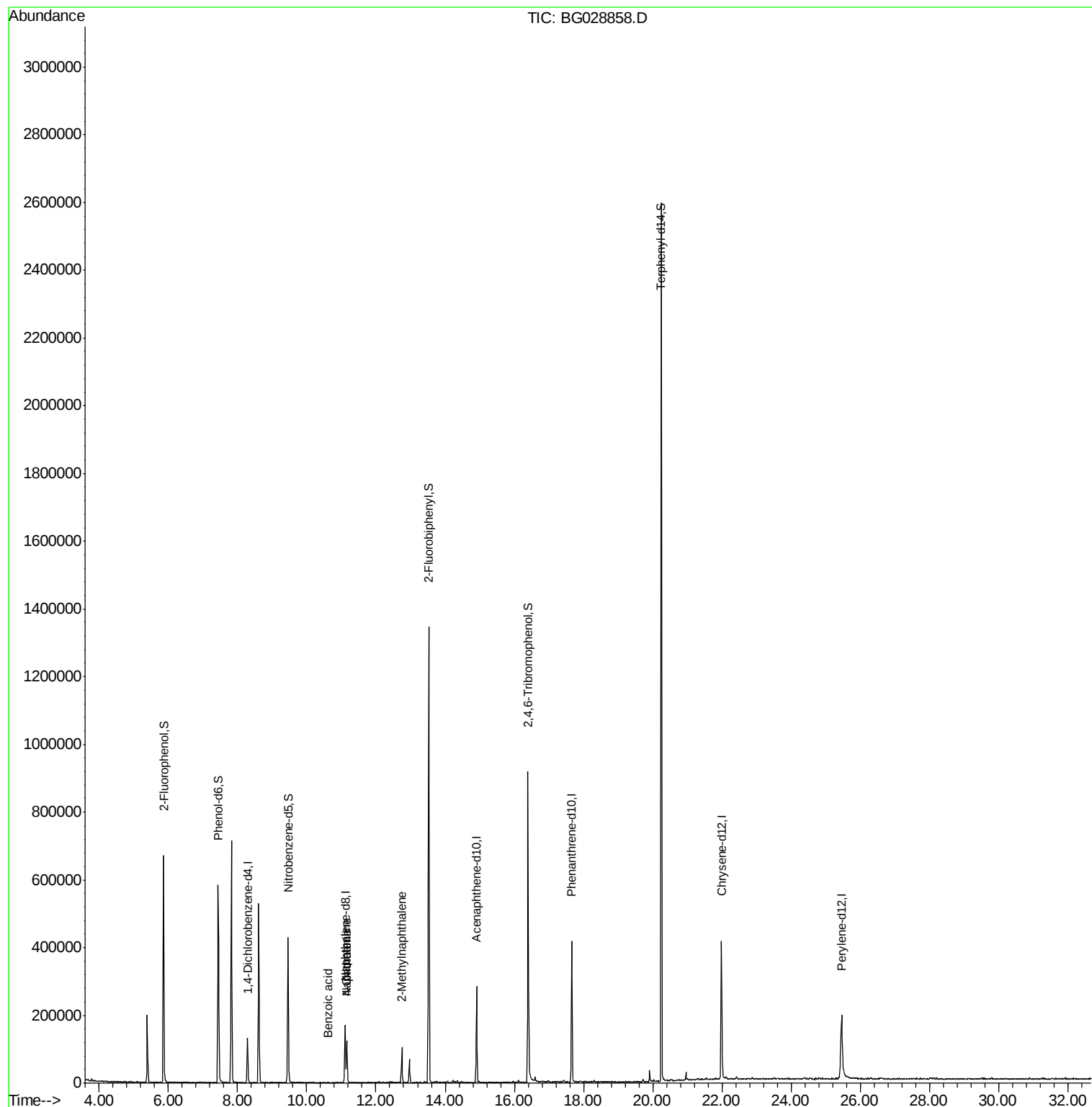
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	36757	20.00	ng	0.00
21) Naphthalene-d8	11.11	136	151007	20.00	ng	0.00
38) Acenaphthene-d10	14.90	164	106922	20.00	ng	0.00
63) Phenanthrene-d10	17.66	188	271828	20.00	ng	0.00
75) Chrysene-d12	21.98	240	301509	20.00	ng	0.00
86) Perylene-d12	25.46	264	283926	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.86	112	292419	131.27	ng	0.00
7) Phenol-d6	7.44	99	354896	105.81	ng	0.00
23) Nitrobenzene-d5	9.46	82	279942	88.68	ng	0.00
41) 2,4,6-Tribromophenol	16.40	330	216819	122.61	ng	0.00
44) 2-Fluorobiphenyl	13.52	172	731937	91.28	ng	0.00
78) Terphenyl-d14	20.25	244	1303964	92.23	ng	0.00
Target Compounds						
31) Naphthalene	11.16	128	105334	13.356	ng	Qvalue # 95
32) Benzoic acid	10.61	122	71	6.118	ng	# 1
33) 4-Chloroaniline	11.16	127	14384	4.354	ng	# 30
37) 2-Methylnaphthalene	12.75	142	52442	8.906	ng	97

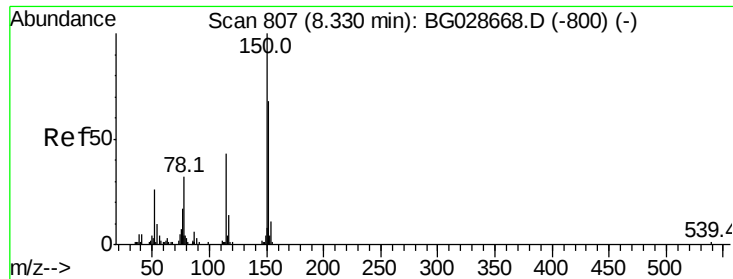
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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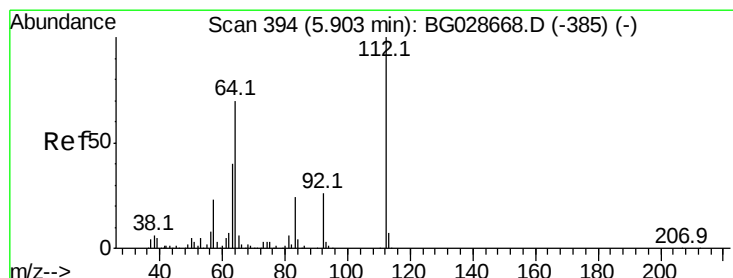
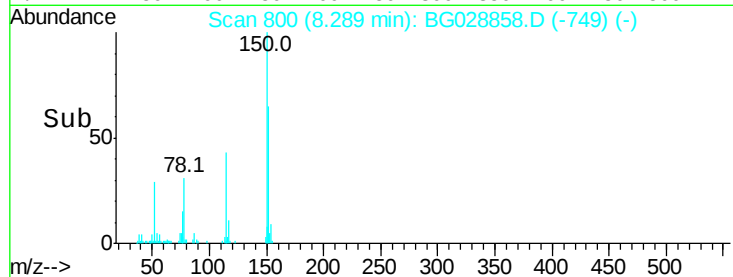
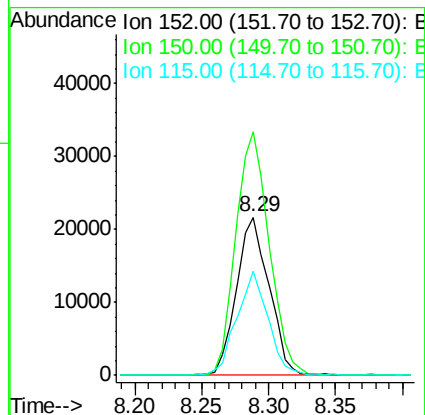
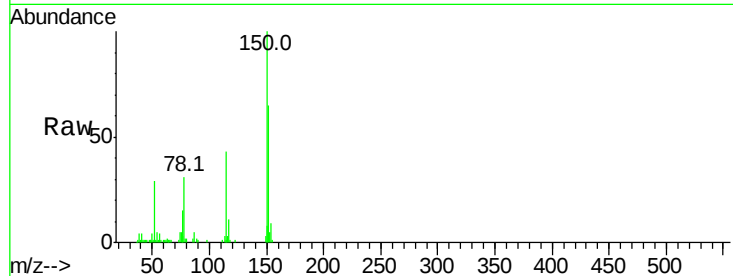


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.29 min Scan# 800
Delta R.T. 0.00 min
Lab File: BG028858.D
Acq: 21 Sep 2017 15:01

Instrument :
BNA_G
ClientSampleId :

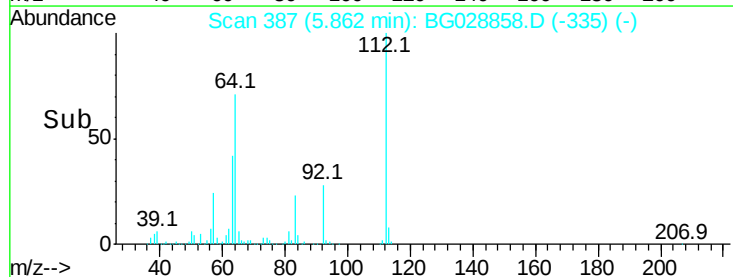
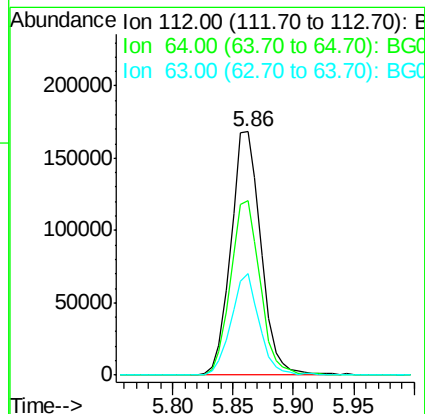
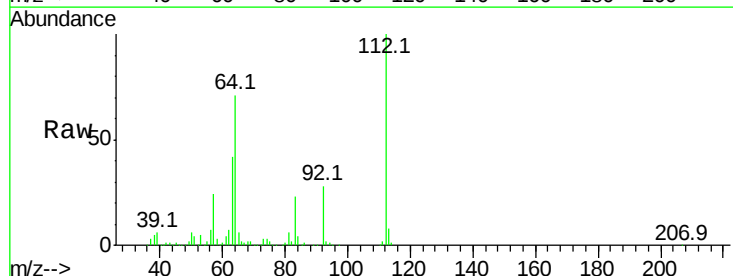
Tot Ion:152 Resp: 36757
Ion Ratio Lower Upper
152 100
150 154.3 114.0 171.0
115 65.7 48.1 72.1

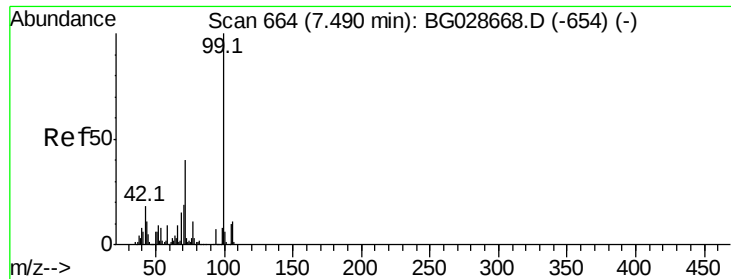


#5

2-Fluorophenol
Concen: 131.269 ng
RT: 5.86 min Scan# 387
Delta R.T. 0.01 min
Lab File: BG028858.D
Acq: 21 Sep 2017 15:01

Tgt Ion:112 Resp: 292419
Ion Ratio Lower Upper
112 100
64 71.5 61.8 92.6
63 41.6 37.2 55.8





#7

Phenol-d6

Concen: 105.814 ng

RT: 7.44 min Scan# 656

Delta R.T. 0.00 min

Lab File: BG028858.D

Acq: 21 Sep 2017 15:01

Instrument :

BNA_G

ClientSampleId :

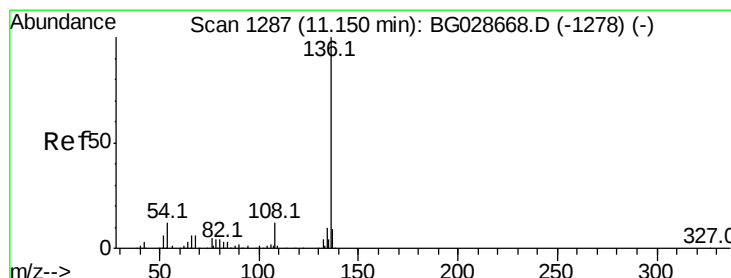
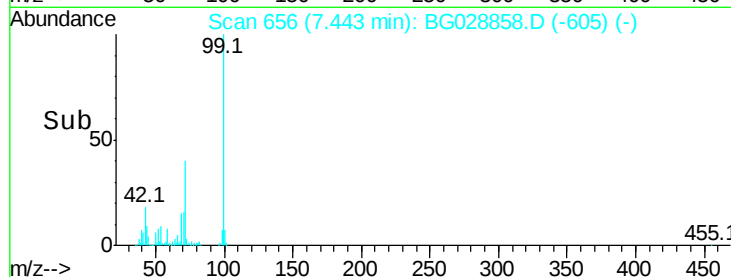
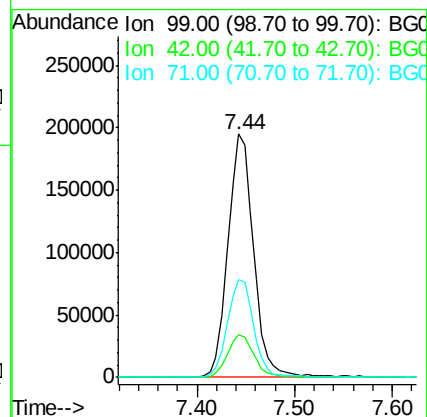
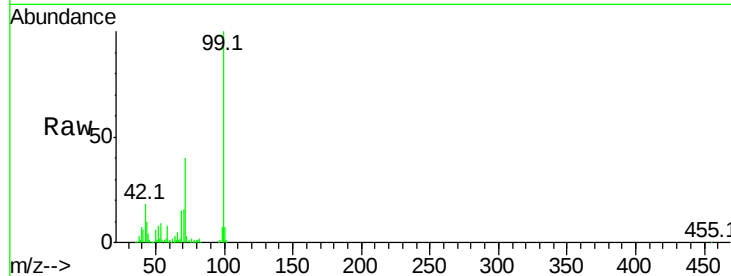
Tot Ion: 99 Resp: 354896

Ion Ratio Lower Upper

99 100

42 17.6 20.5 30.7#

71 39.9 37.6 56.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.11 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BG028858.D

Acq: 21 Sep 2017 15:01

Tgt Ion: 136 Resp: 151007

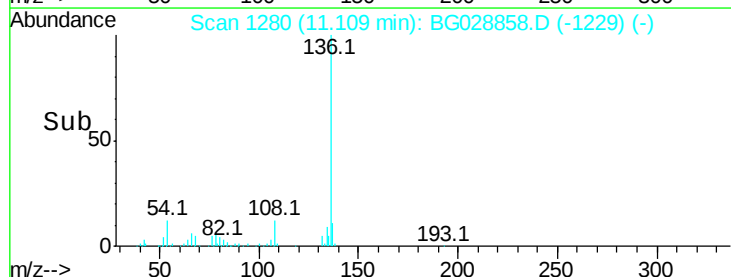
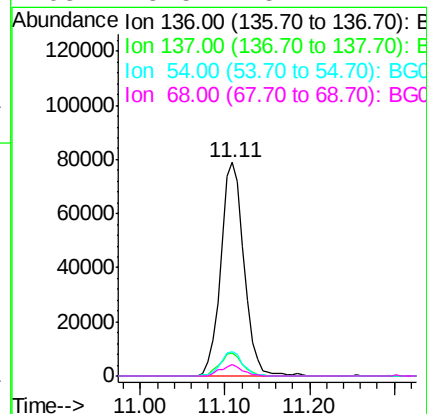
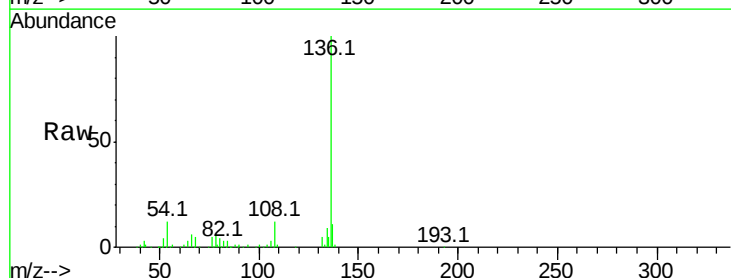
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 11.6 9.3 13.9

68 5.5 5.1 7.7

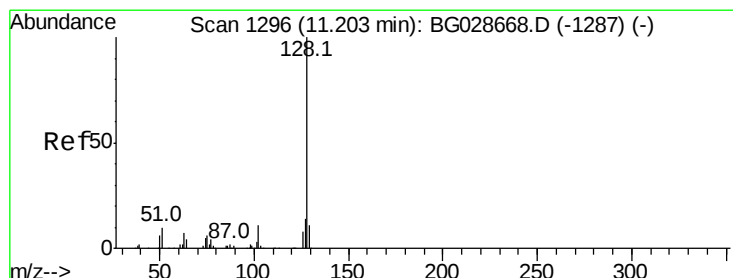
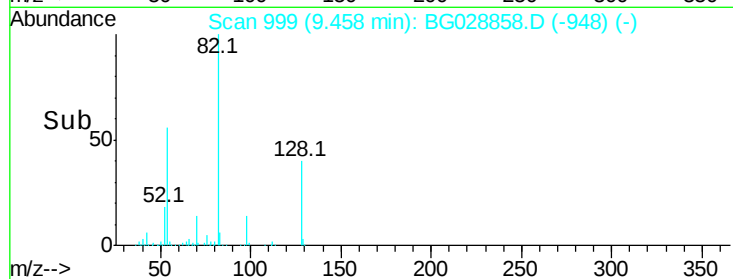
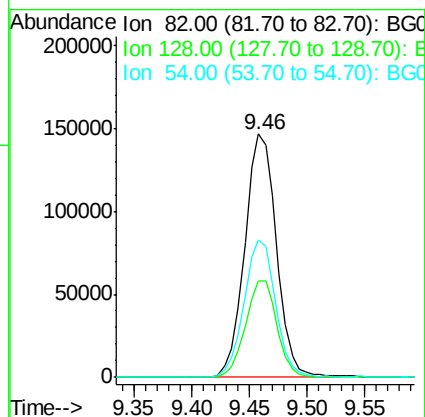
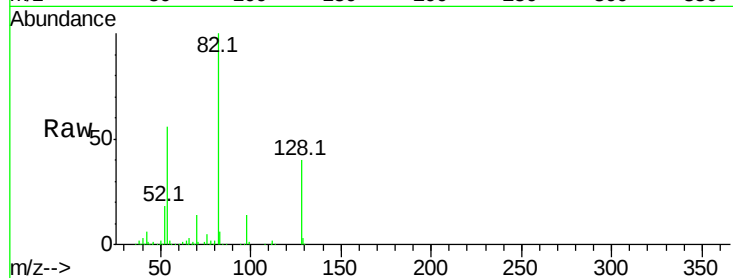




#23
Nitrobenzene-d5
Concen: 88.683 ng
RT: 9.46 min Scan# 999
Delta R.T. 0.00 min
Lab File: BG028858.D
Acq: 21 Sep 2017 15:01

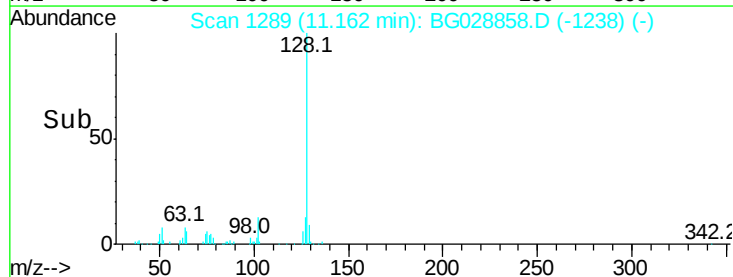
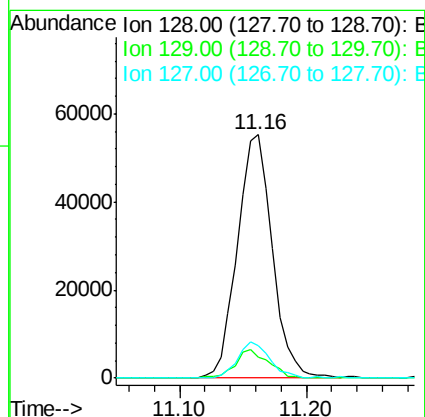
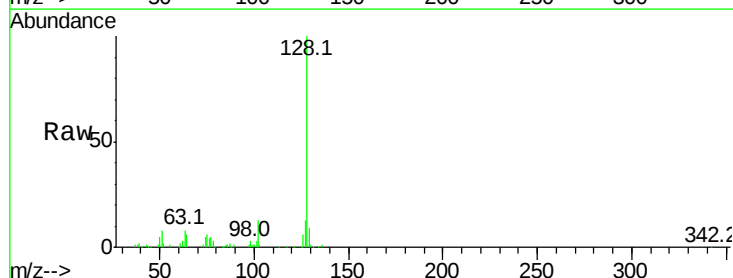
Instrument :
BNA_G
ClientSampleId :

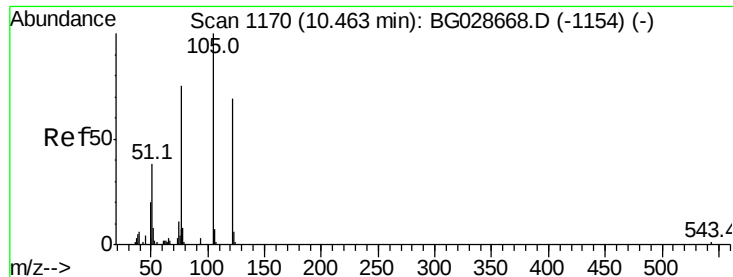
Tot Ion	Ratio	Lower	Upper
82	100		
128	39.7	26.4	39.6#
54	56.2	49.4	74.2



#31
Naphthalene
Concen: 13.356 ng
RT: 11.16 min Scan# 1289
Delta R.T. 0.00 min
Lab File: BG028858.D
Acq: 21 Sep 2017 15:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	8.8	9.3	13.9#
127	13.1	11.4	17.0





#32

Benzoic acid

Concen: 6.118 ng

RT: 10.61 min Scan# 1195

Delta R.T. 0.19 min

Lab File: BG028858.D

Acq: 21 Sep 2017 15:01

Instrument :

BNA_G

ClientSampleId :

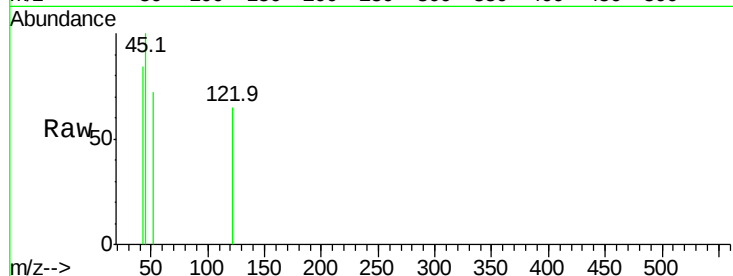
Tot Ion:122 Resp: 71

Ion Ratio Lower Upper

122 100

105 0.0 120.1 160.1#

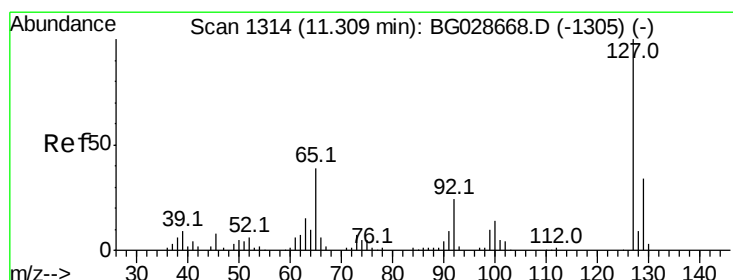
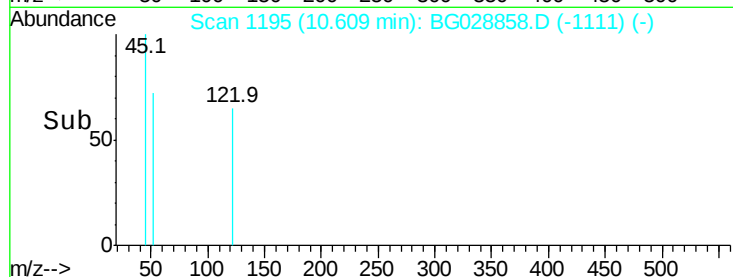
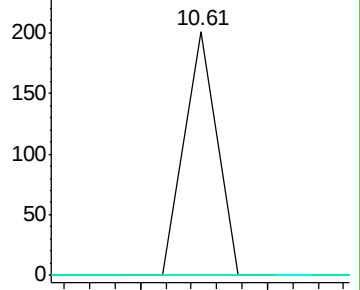
77 0.0 104.6 144.6#



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: 4.354 ng

RT: 11.16 min Scan# 1288

Delta R.T. -0.11 min

Lab File: BG028858.D

Acq: 21 Sep 2017 15:01

Tgt Ion:127 Resp: 14384

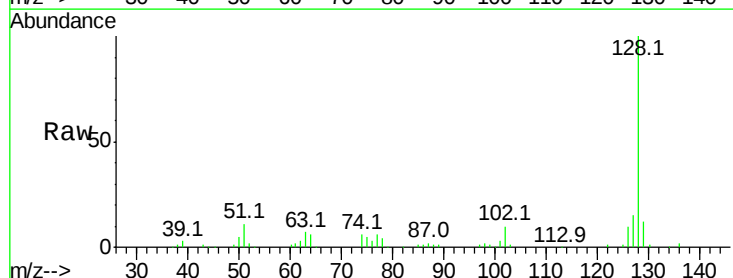
Ion Ratio Lower Upper

127 100

129 80.2 23.6 35.4#

65 2.7 37.7 56.5#

92 0.0 17.6 26.4#

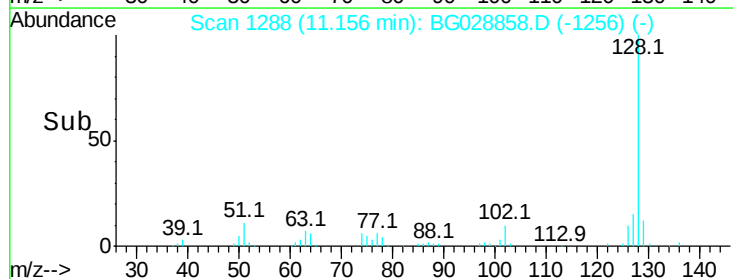
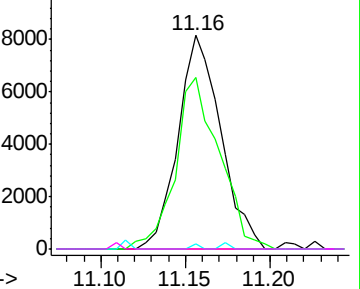


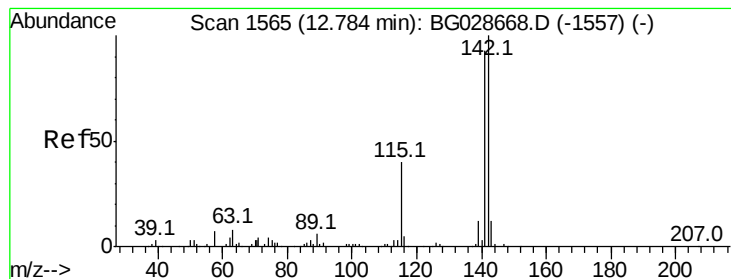
Abundance Ion 127.00 (126.70 to 127.70): E

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: 8.906 ng

RT: 12.75 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BG028858.D

Acq: 21 Sep 2017 15:01

Instrument :

BNA_G

ClientSampleId :

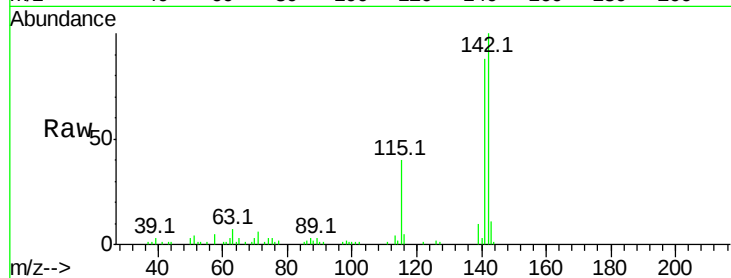
Tot Ion:142 Resp: 52442

Ion Ratio Lower Upper

142 100

141 88.4 70.4 105.6

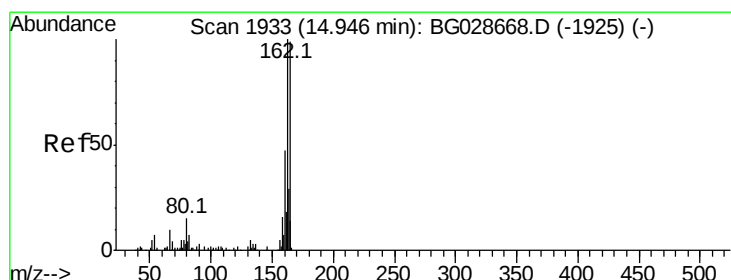
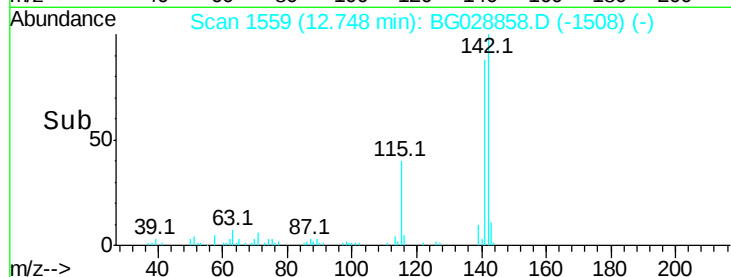
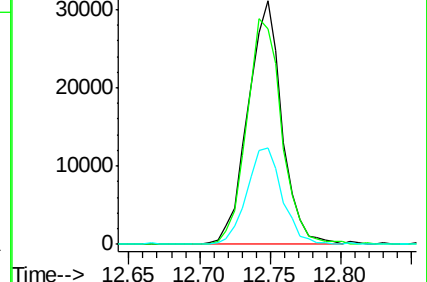
115 39.8 35.5 53.3



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: 14.90 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BG028858.D

Acq: 21 Sep 2017 15:01

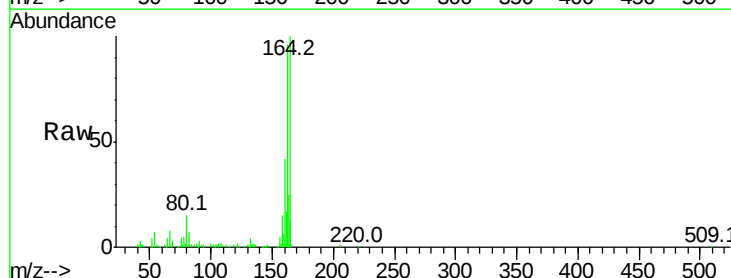
Tgt Ion:164 Resp: 106922

Ion Ratio Lower Upper

164 100

162 96.2 85.1 127.7

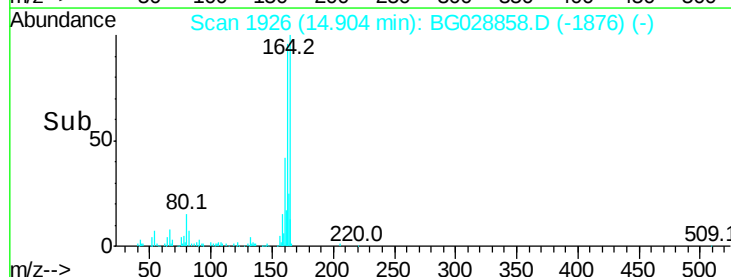
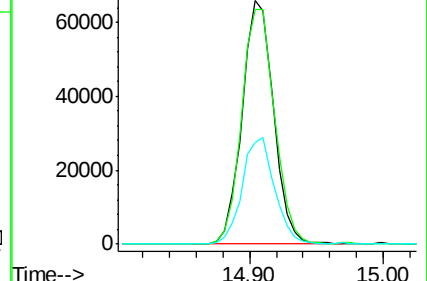
160 41.9 34.7 52.1

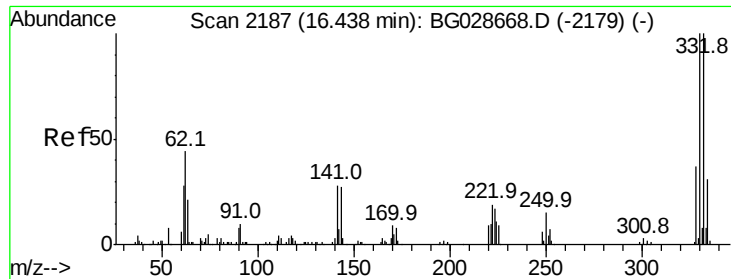


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

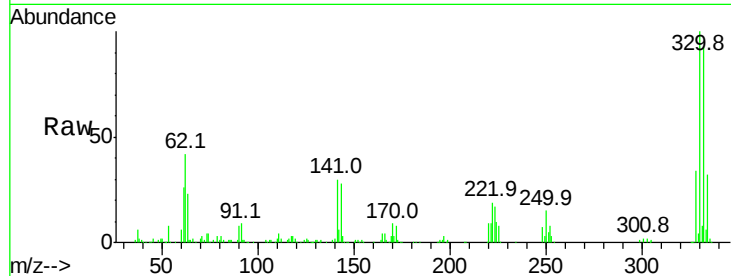




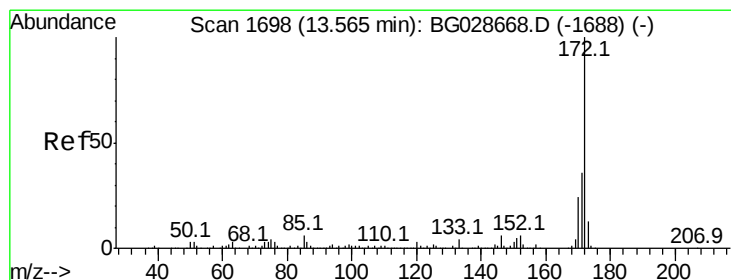
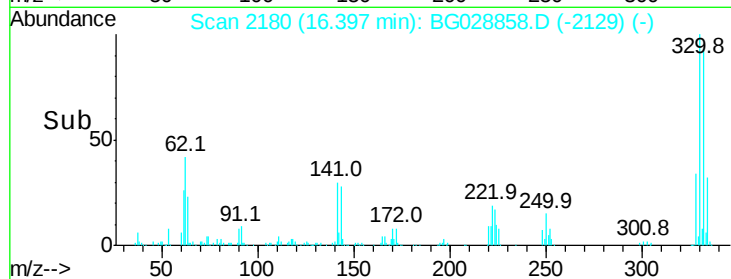
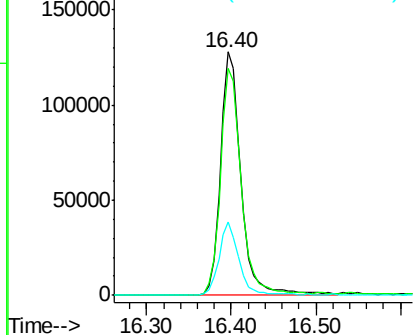
#41
 2,4,6-Tribromophenol
 Concen: 122.606 ng
 RT: 16.40 min Scan# 2180
 Delta R.T. 0.00 min
 Lab File: BG028858.D
 Acq: 21 Sep 2017 15:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.3	115.9
141	28.7	32.1	48.1#

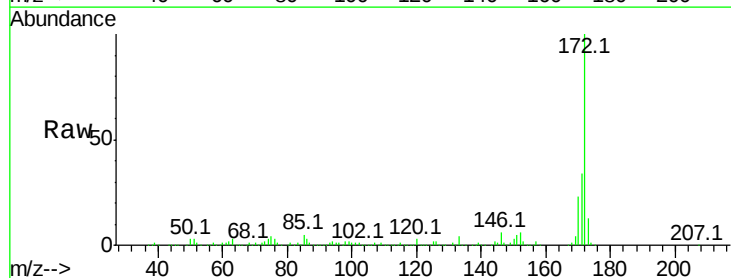


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

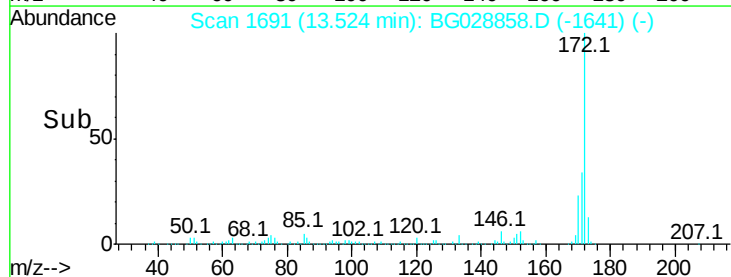
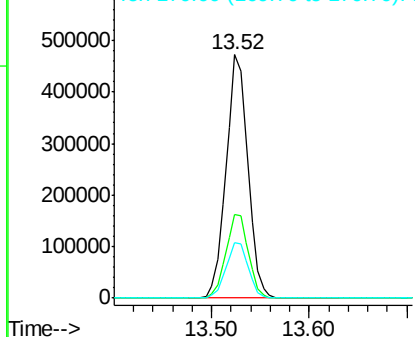


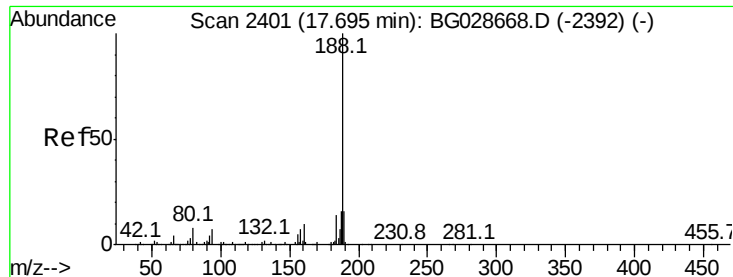
#44
 2-Fluorobiphenyl
 Concen: 91.280 ng
 RT: 13.52 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BG028858.D
 Acq: 21 Sep 2017 15:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	32.2	48.2
170	22.9	21.8	32.6



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.66 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BG028858.D

Acq: 21 Sep 2017 15:01

Instrument :

BNA_G

ClientSampleId :

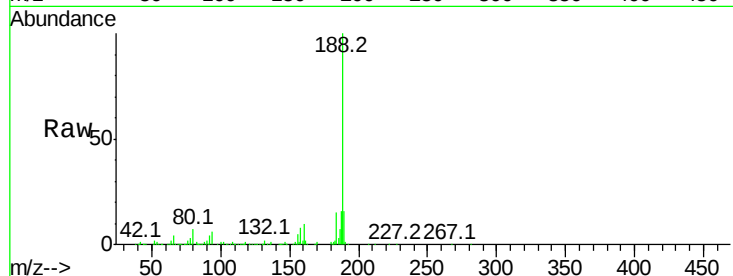
Tot Ion:188 Resp: 271828

Ion Ratio Lower Upper

188 100

94 6.1 5.8 8.8

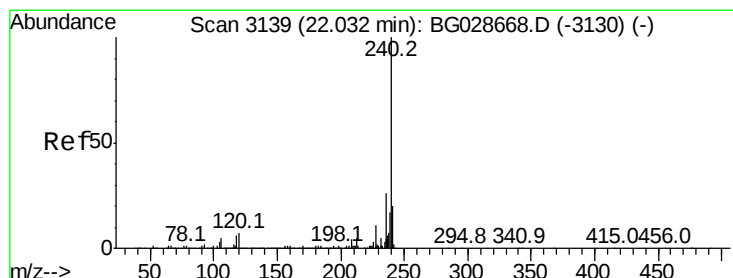
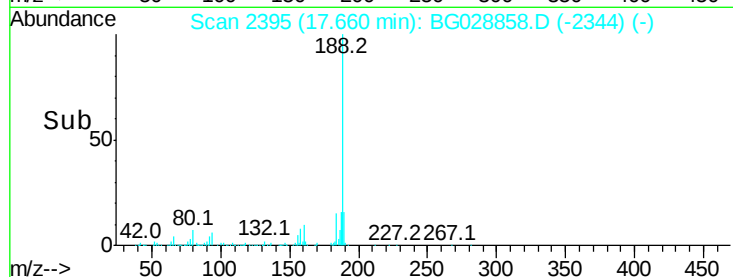
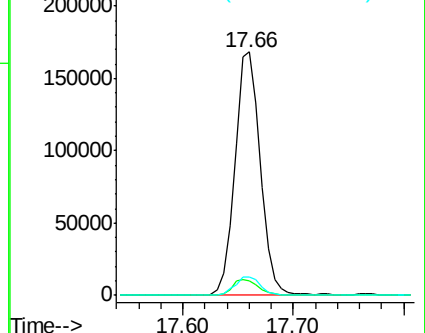
80 7.3 7.5 11.3#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.98 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BG028858.D

Acq: 21 Sep 2017 15:01

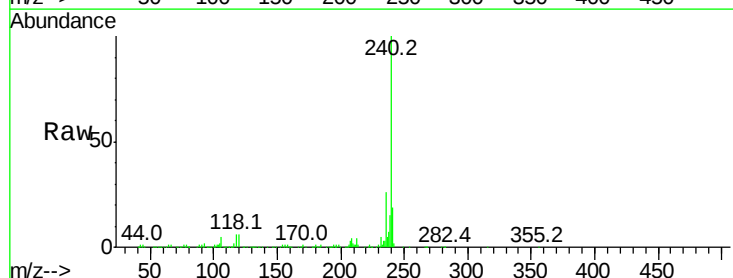
Tgt Ion:240 Resp: 301509

Ion Ratio Lower Upper

240 100

120 6.2 5.7 8.5

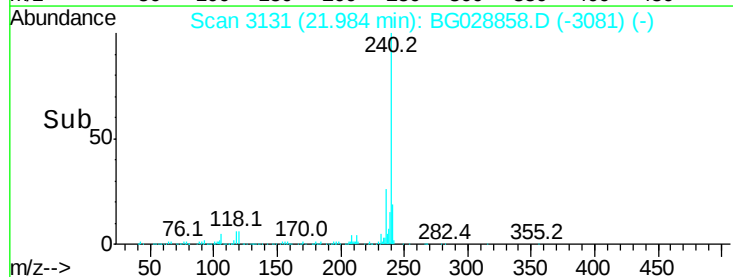
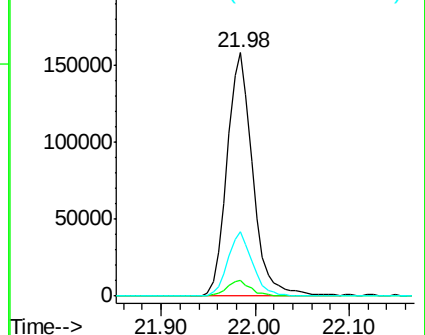
236 26.2 22.2 33.4

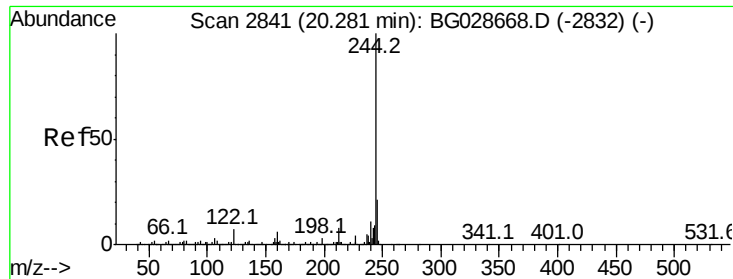


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 92.229 ng

RT: 20.25 min Scan# 2835

Delta R.T. 0.00 min

Lab File: BG028858.D

Acq: 21 Sep 2017 15:01

Instrument :

BNA_G

ClientSampleId :

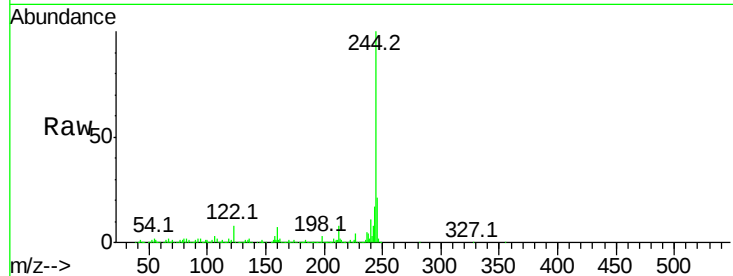
Tot Ion:244 Resp: 1303964

Ion Ratio Lower Upper

244 100

212 7.5 10.0 15.0#

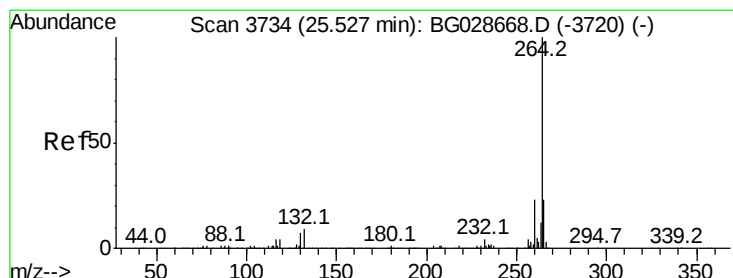
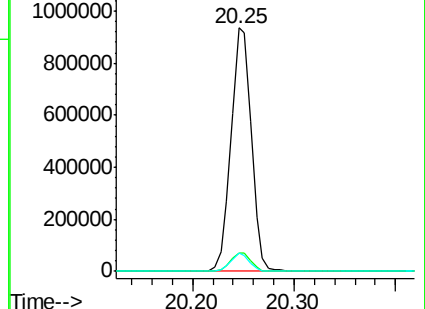
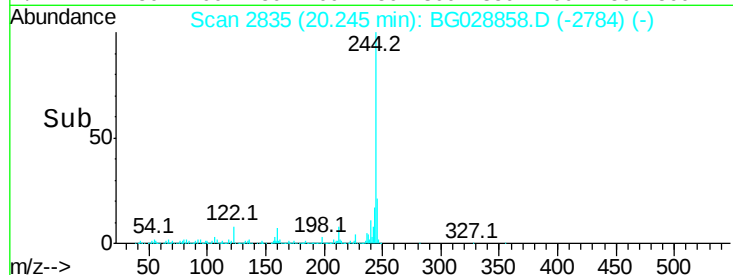
122 7.7 8.6 12.8#



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. 0.00 min

Lab File: BG028858.D

Acq: 21 Sep 2017 15:01

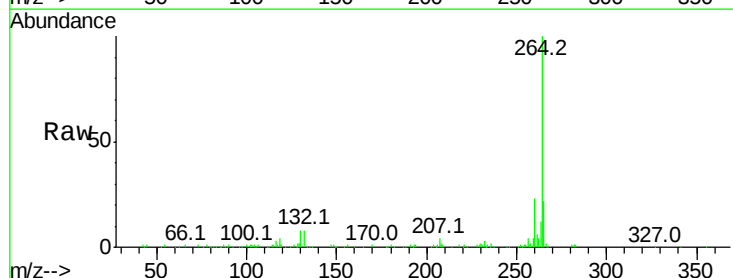
Tgt Ion:264 Resp: 283926

Ion Ratio Lower Upper

264 100

260 22.8 21.8 32.8

265 22.0 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

