

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092017\
 Data File : BG028849.D
 Acq On : 21 Sep 2017 9:07
 Operator : SJ/JU
 Sample : I5310-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-01-091917-A

Quant Time: Sep 21 10:33:41 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

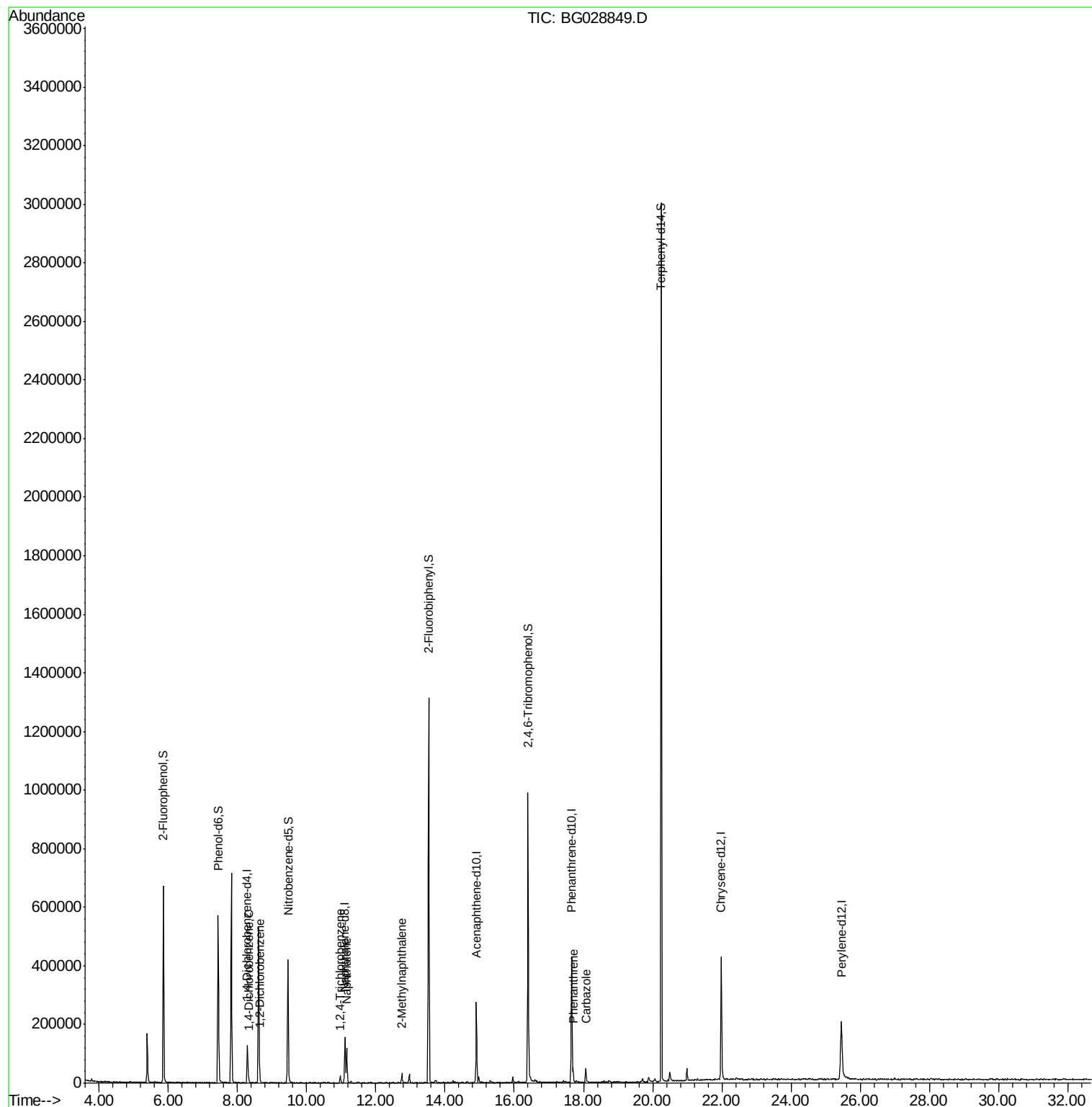
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	33303	20.00	ng	-0.04
21) Naphthalene-d8	11.11	136	135976	20.00	ng	-0.04
38) Acenaphthene-d10	14.91	164	98663	20.00	ng	-0.04
63) Phenanthrene-d10	17.66	188	277096	20.00	ng	-0.04
75) Chrysene-d12	21.98	240	311462	20.00	ng	-0.05
86) Perylene-d12	25.45	264	303719	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.86	112	283391	140.41	ng	-0.04
7) Phenol-d6	7.45	99	344797	113.46	ng	-0.04
23) Nitrobenzene-d5	9.46	82	279520	98.34	ng	-0.04
41) 2,4,6-Tribromophenol	16.40	330	227579	139.46	ng	-0.04
44) 2-Fluorobiphenyl	13.53	172	703822	95.12	ng	-0.04
78) Terphenyl-d14	20.25	244	1405328	96.22	ng	-0.03
Target Compounds						Qvalue
13) 1,4-Dichlorobenzene	8.33	146	10028	4.025	ng	96
14) 1,2-Dichlorobenzene	8.65	146	5563	2.260	ng	98
30) 1,2,4-Trichlorobenzene	10.97	180	9704	3.491	ng	98
31) Naphthalene	11.16	128	104155	14.666	ng	95
37) 2-Methylnaphthalene	12.75	142	17271	3.257	ng	97
70) Phenanthrene	17.70	178	31985	2.257	ng	95
72) Carbazole	18.07	167	38577	2.992	ng	92

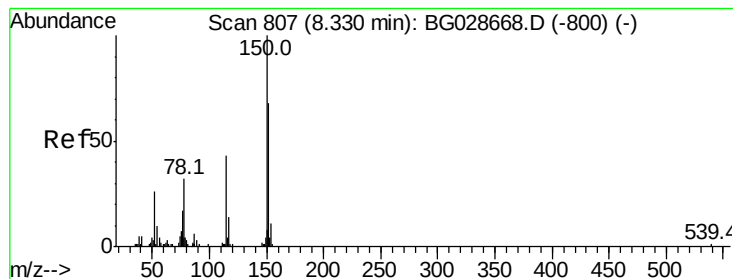
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.29 min Scan# 799

Delta R.T. -0.04 min

Lab File: BG028849.D

Acq: 21 Sep 2017 9:07

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BNA_G

ClientSampleId :

NB-01-091917-A

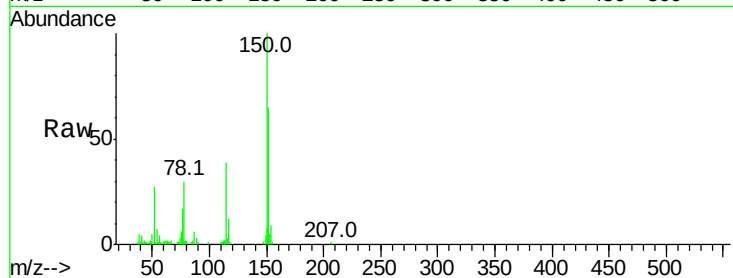
Tot Ion:152 Resp: 33303

Ion Ratio Lower Upper

152 100

150 153.2 114.0 171.0

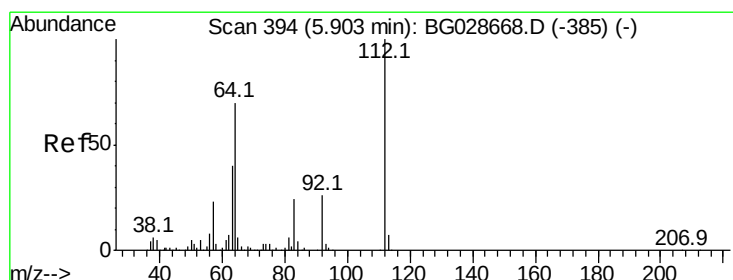
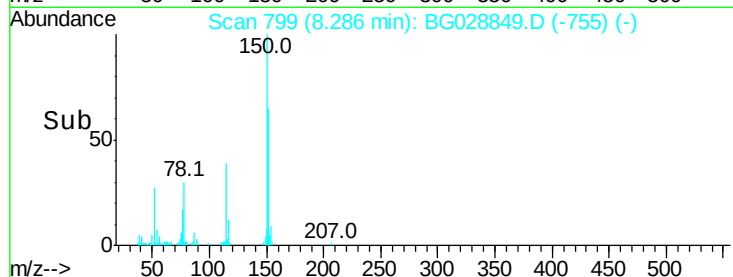
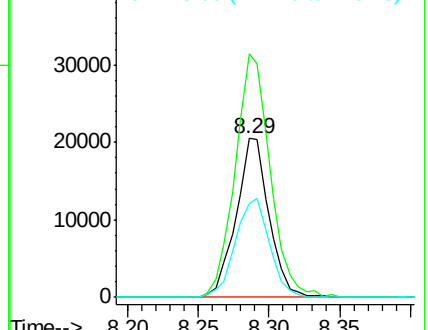
115 59.4 48.1 72.1



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: 140.410 ng

RT: 5.86 min Scan# 386

Delta R.T. -0.04 min

Lab File: BG028849.D

Acq: 21 Sep 2017 9:07

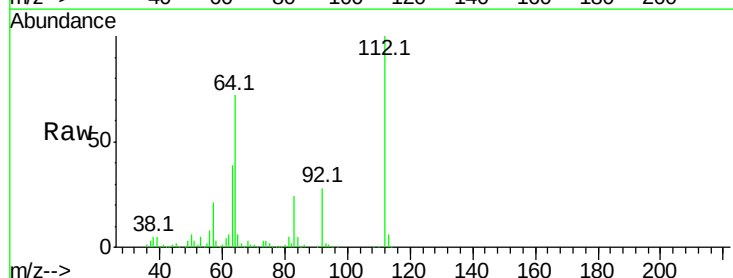
Tgt Ion:112 Resp: 283391

Ion Ratio Lower Upper

112 100

64 71.6 61.8 92.6

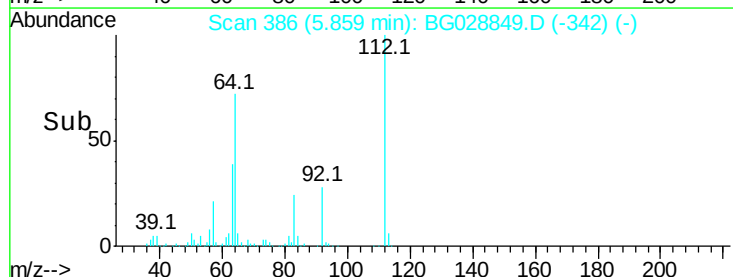
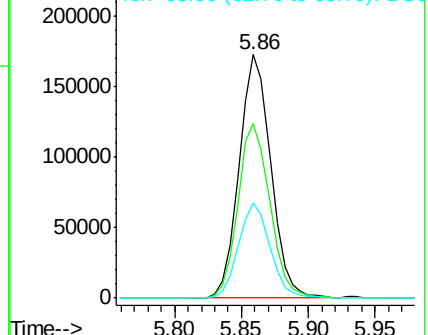
63 38.9 37.2 55.8

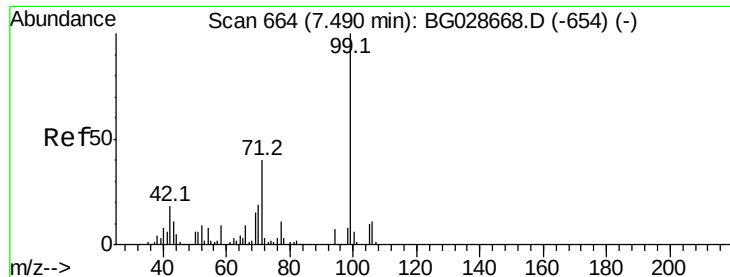


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 113.465 ng

RT: 7.45 min Scan# 656

Delta R.T. -0.04 min

Lab File: BG028849.D

Acq: 21 Sep 2017 9:07

Instrument :

BNA_G

ClientSampleId :

NB-01-091917-A

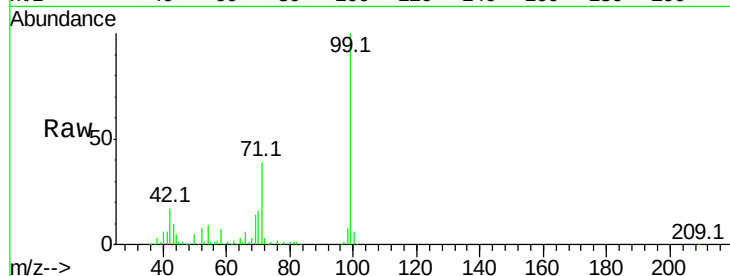
Tot Ion: 99 Resp: 344797

Ion Ratio Lower Upper

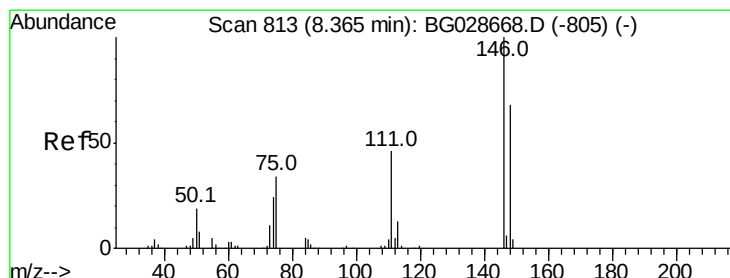
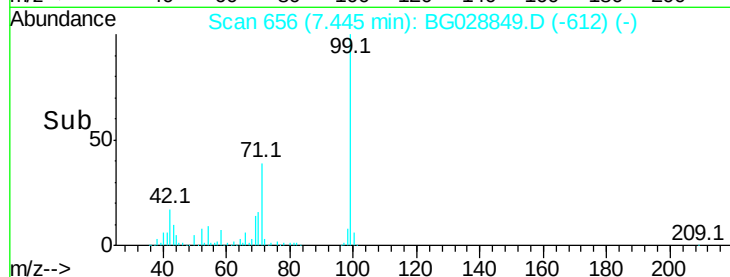
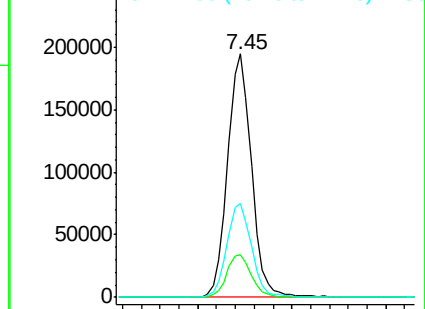
99 100

42 17.4 20.5 30.7#

71 38.5 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: 4.025 ng

RT: 8.33 min Scan# 806

Delta R.T. -0.04 min

Lab File: BG028849.D

Acq: 21 Sep 2017 9:07

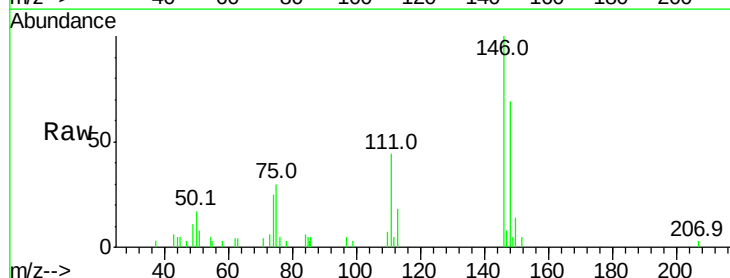
Tgt Ion: 146 Resp: 10028

Ion Ratio Lower Upper

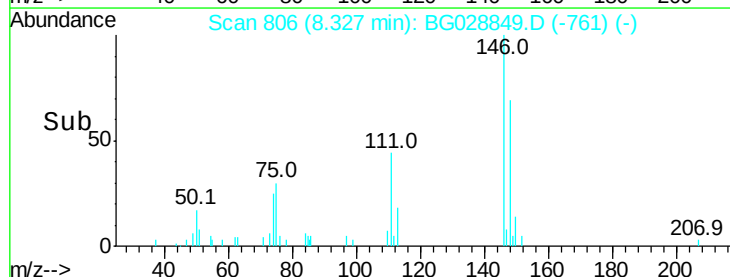
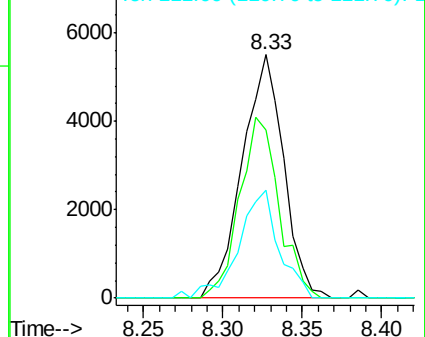
146 100

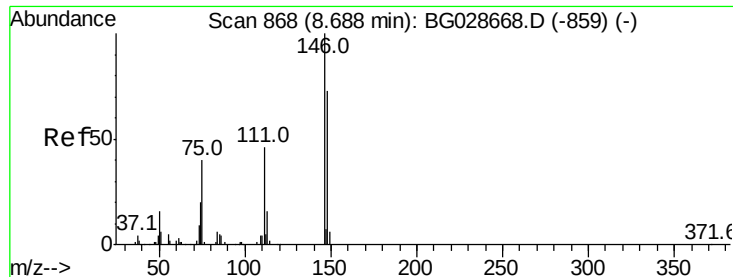
148 69.1 52.2 78.2

111 44.2 37.0 55.6



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

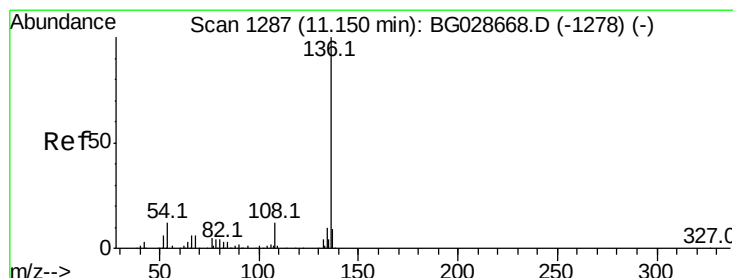
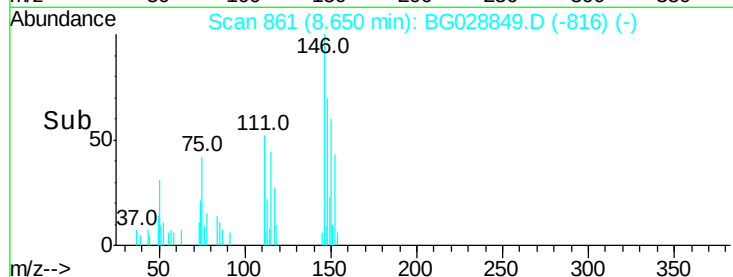
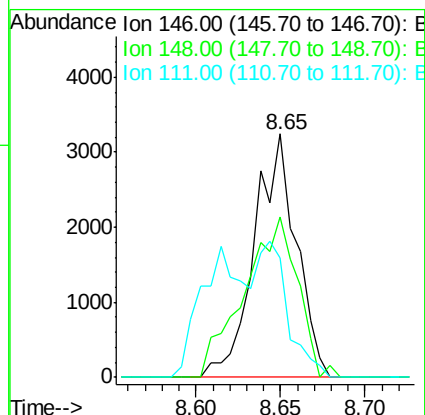
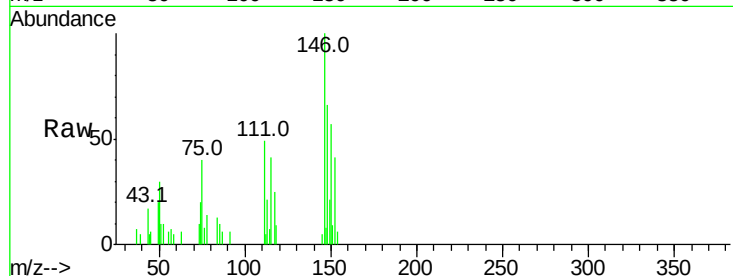




#14
 1,2-Dichlorobenzene
 Concen: 2.260 ng
 RT: 8.65 min Scan# 861
 Delta R.T. -0.04 min
 Lab File: BG028849.D
 Acq: 21 Sep 2017 9:07

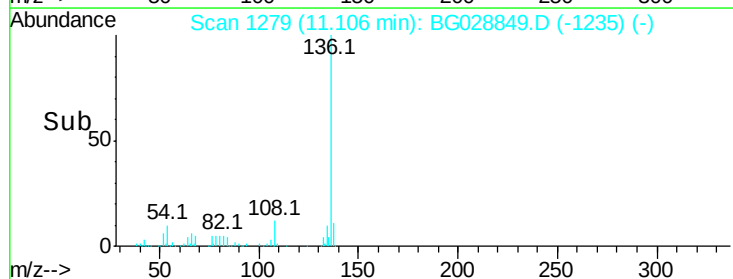
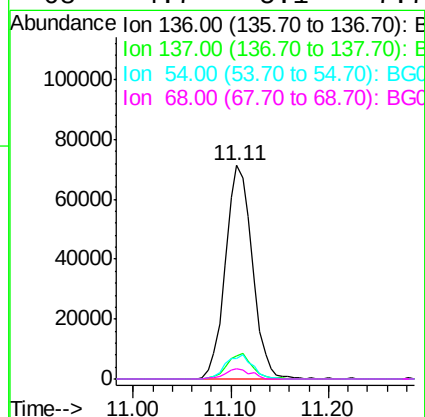
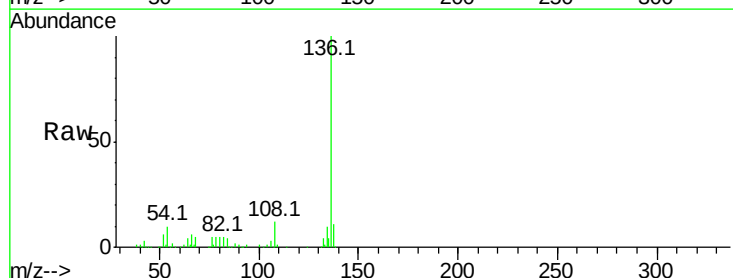
Instrument :
 BNA_G
 ClientSampleId :
 NB-01-091917-A

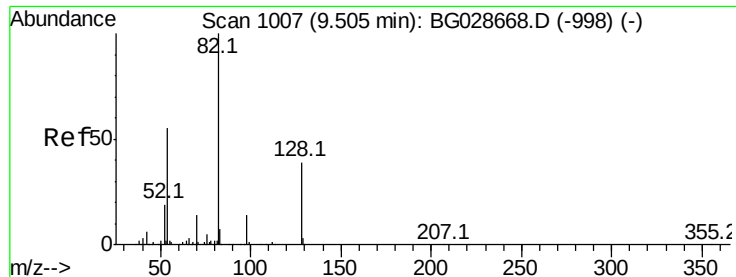
Tot Ion:146 Resp: 5563
 Ion Ratio Lower Upper
 146 100
 148 66.0 54.6 81.8
 111 48.8 39.7 59.5



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 11.11 min Scan# 1279
 Delta R.T. -0.04 min
 Lab File: BG028849.D
 Acq: 21 Sep 2017 9:07

Tgt Ion:136 Resp: 135976
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.9 13.3
 54 9.5 9.3 13.9
 68 4.7 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 98.337 ng

RT: 9.46 min Scan# 999

Delta R.T. -0.04 min

Lab File: BG028849.D

Acq: 21 Sep 2017 9:07

Instrument :

BNA_G

ClientSampleId :

NB-01-091917-A

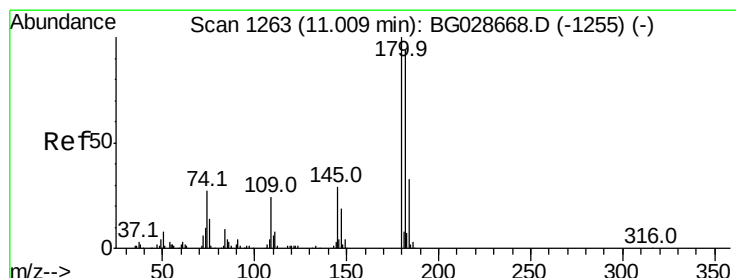
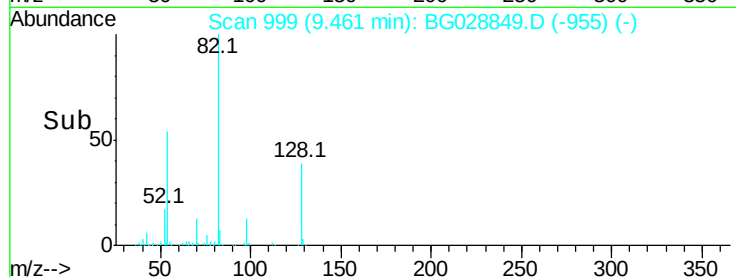
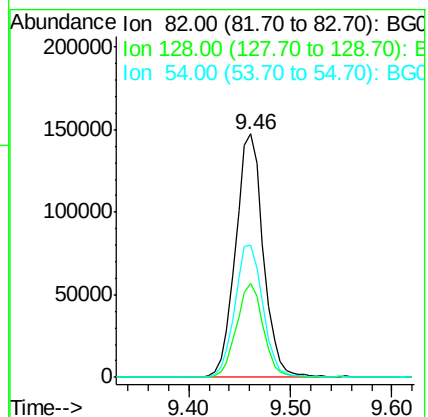
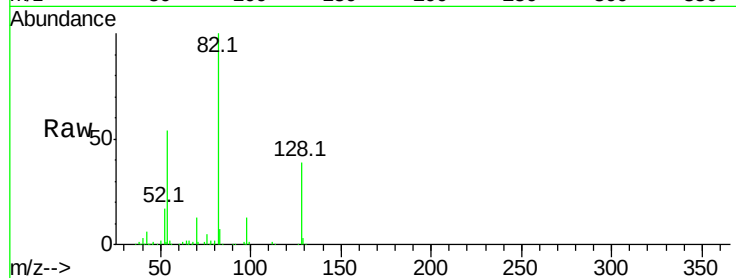
Tot Ion: 82 Resp: 279520

Ion Ratio Lower Upper

82 100

128 38.6 26.4 39.6

54 54.2 49.4 74.2



#30

1,2,4-Trichlorobenzene

Concen: 3.491 ng

RT: 10.97 min Scan# 1256

Delta R.T. -0.04 min

Lab File: BG028849.D

Acq: 21 Sep 2017 9:07

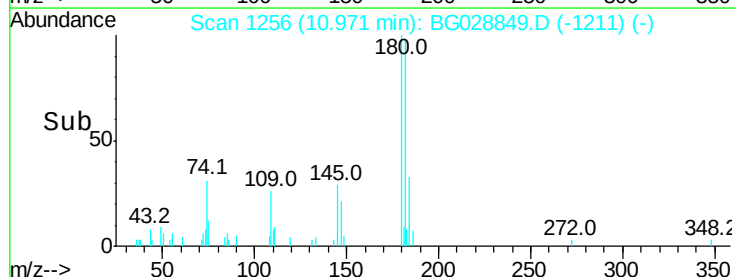
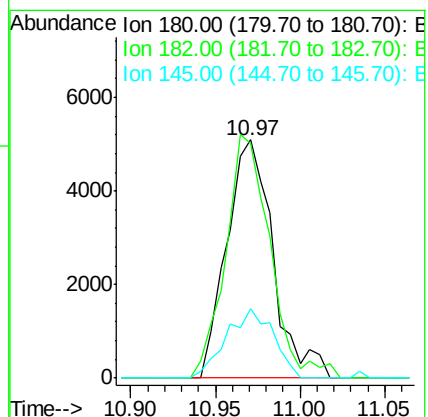
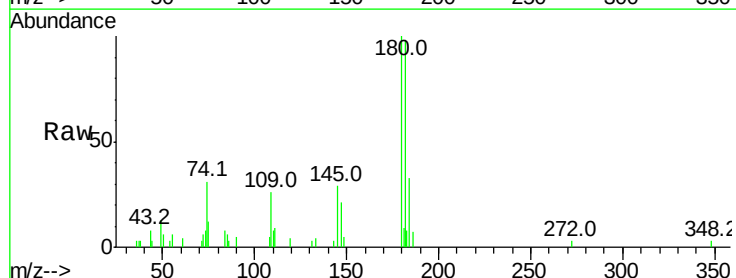
Tgt Ion: 180 Resp: 9704

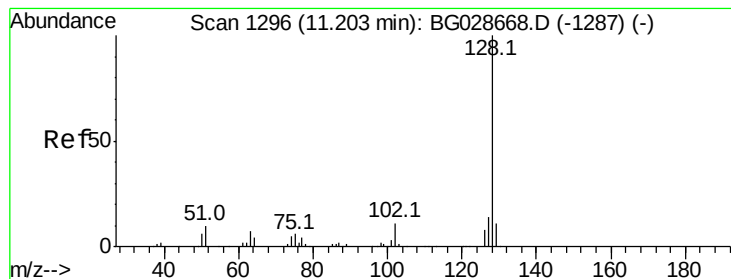
Ion Ratio Lower Upper

180 100

182 98.4 77.0 115.4

145 29.2 23.4 35.0





#31

Naphthalene

Concen: 14.666 ng

RT: 11.16 min Scan# 1288

Delta R.T. -0.04 min

Lab File: BG028849.D

Acq: 21 Sep 2017 9:07

Instrument :

BNA_G

ClientSampleId :

NB-01-091917-A

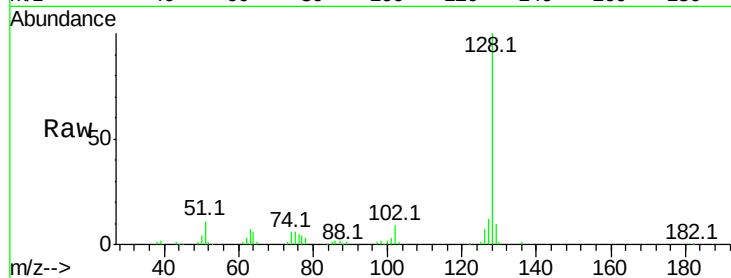
Tot Ion:128 Resp: 104155

Ion Ratio Lower Upper

128 100

129 10.1 9.3 13.9

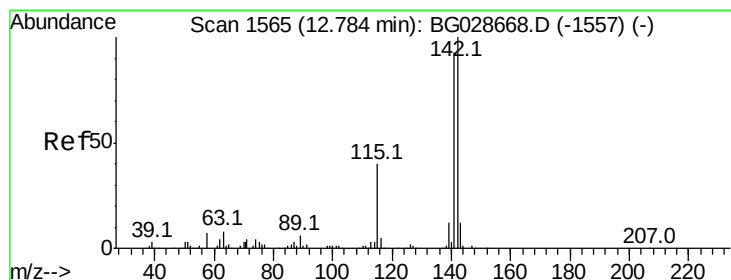
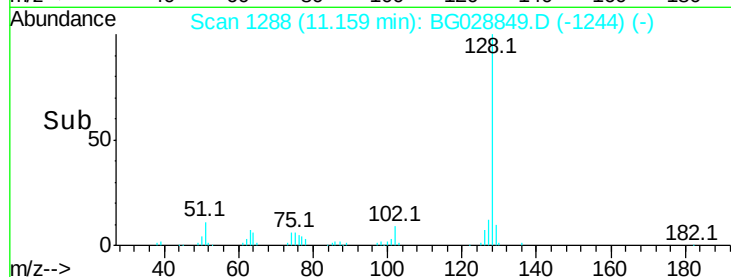
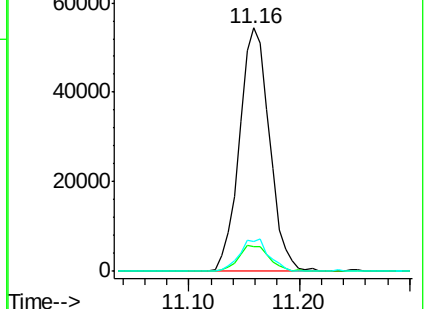
127 12.1 11.4 17.0



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



#37

2-Methylnaphthalene

Concen: 3.257 ng

RT: 12.75 min Scan# 1559

Delta R.T. -0.03 min

Lab File: BG028849.D

Acq: 21 Sep 2017 9:07

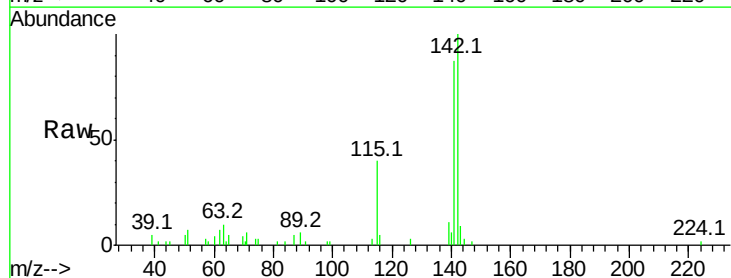
Tgt Ion:142 Resp: 17271

Ion Ratio Lower Upper

142 100

141 86.7 70.4 105.6

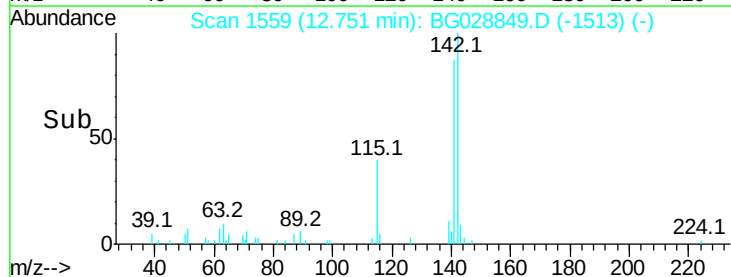
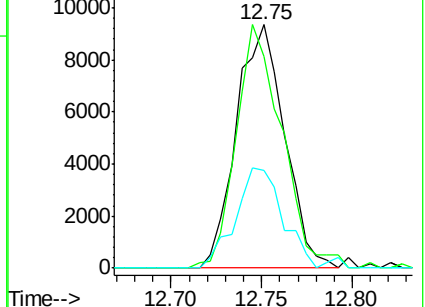
115 40.2 35.5 53.3

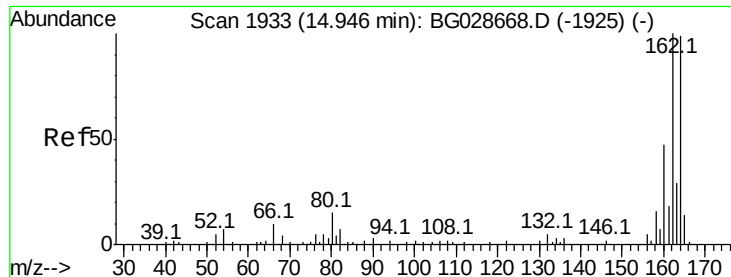


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.91 min Scan# 1926

Delta R.T. -0.04 min

Lab File: BG028849.D

Acq: 21 Sep 2017 9:07

Instrument :

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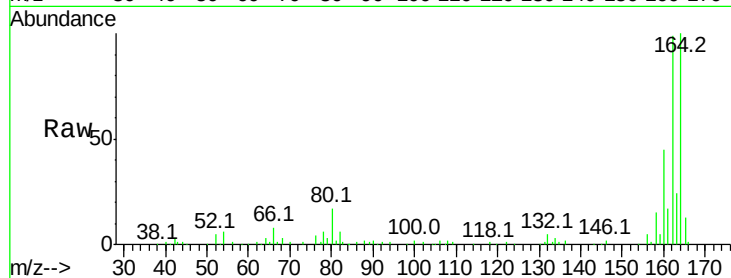
Tot Ion:164 Resp: 98663

Ion Ratio Lower Upper

164 100

162 99.4 85.1 127.7

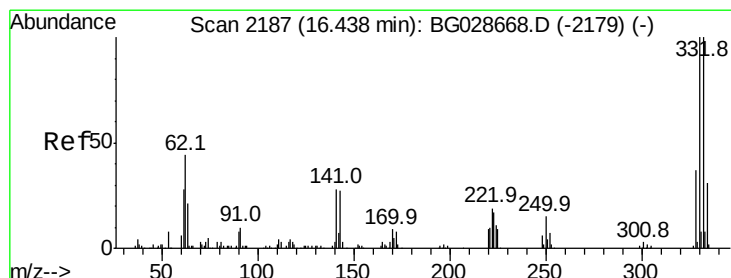
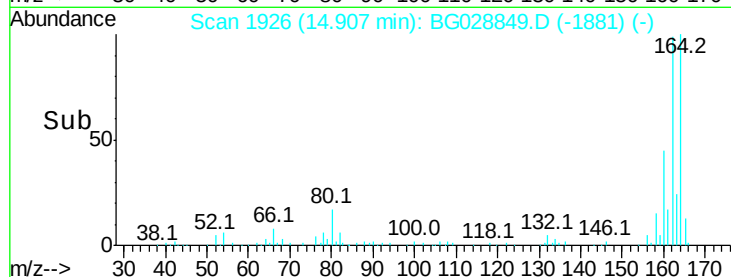
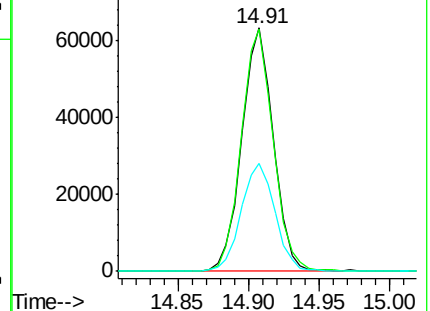
160 44.6 34.7 52.1



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: 139.463 ng

RT: 16.40 min Scan# 2180

Delta R.T. -0.04 min

Lab File: BG028849.D

Acq: 21 Sep 2017 9:07

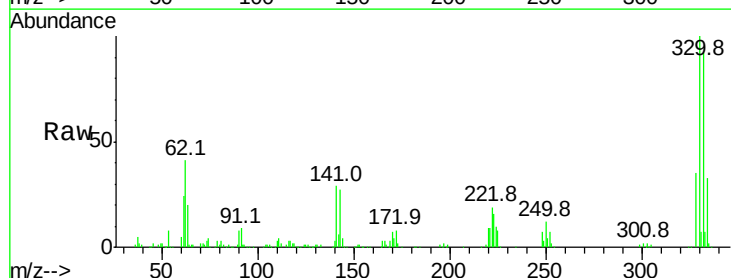
Tgt Ion:330 Resp: 227579

Ion Ratio Lower Upper

330 100

332 95.2 77.3 115.9

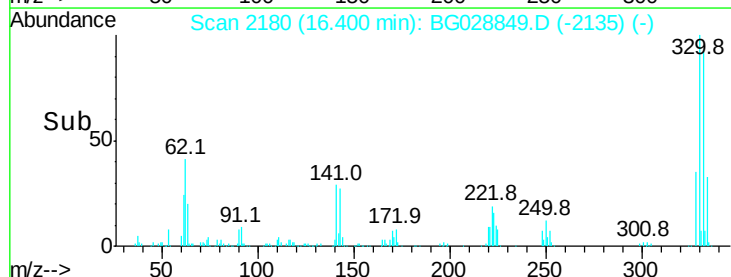
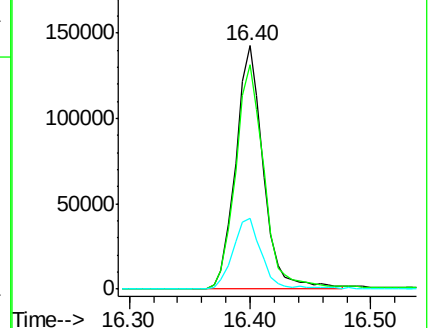
141 30.5 32.1 48.1#

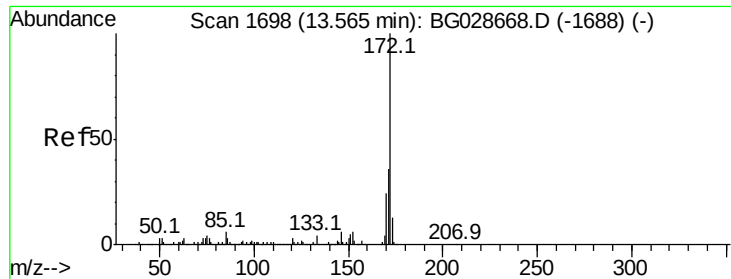


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

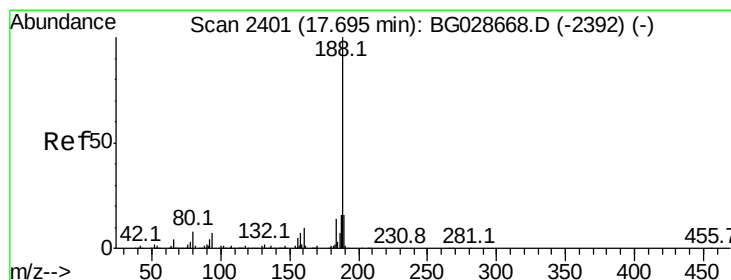
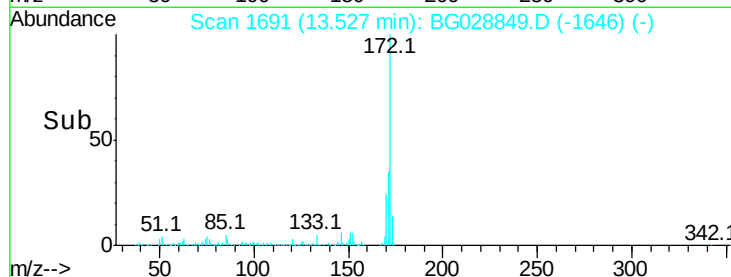
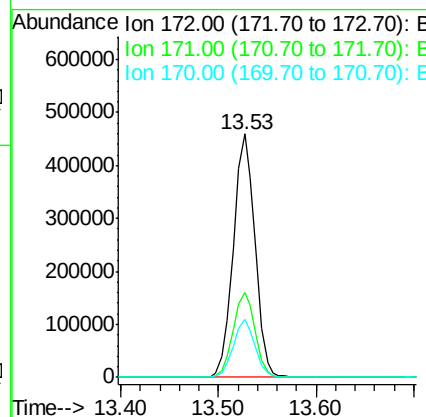
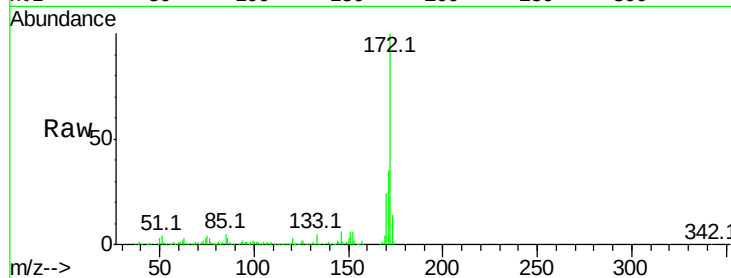




#44
2-Fluorobiphenyl
Concen: 95.121 ng
RT: 13.53 min Scan# 1691
Delta R.T. -0.04 min
Lab File: BG028849.D
Acq: 21 Sep 2017 9:07

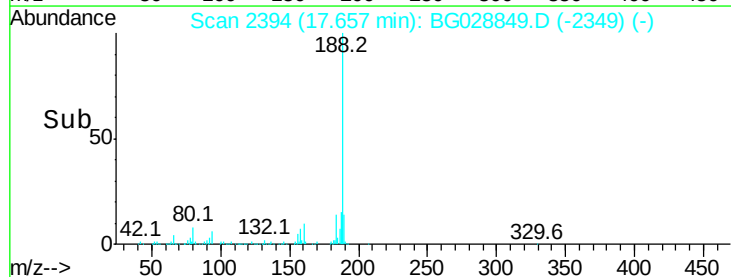
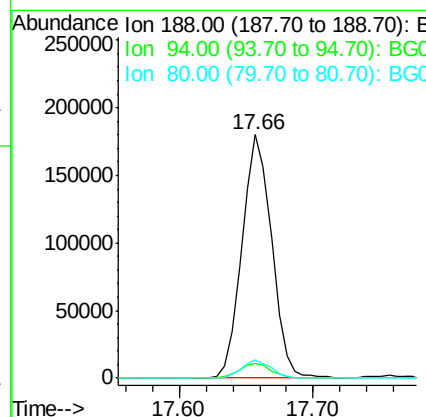
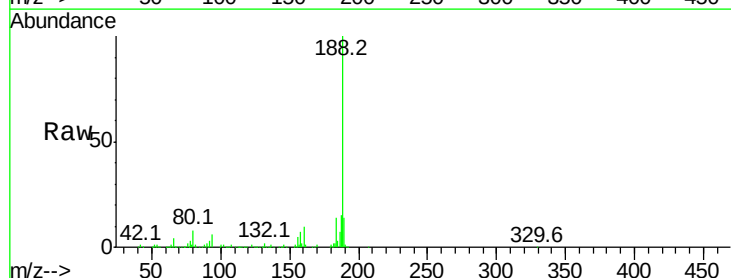
Instrument :
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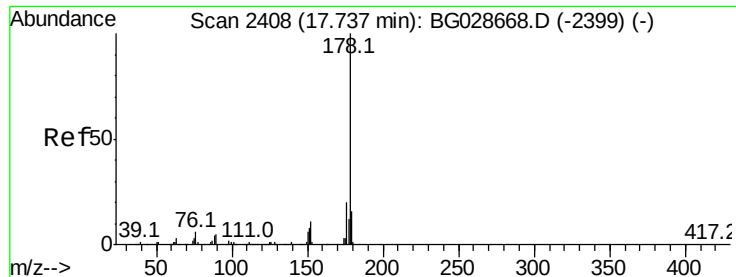
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	32.2	48.2
170	24.0	21.8	32.6



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.66 min Scan# 2394
Delta R.T. -0.04 min
Lab File: BG028849.D
Acq: 21 Sep 2017 9:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	5.8	8.8#
80	7.7	7.5	11.3





#70

Phenanthrene

Concen: 2.257 ng

RT: 17.70 min Scan# 2402

Delta R.T. -0.03 min

Lab File: BG028849.D

Acq: 21 Sep 2017 9:07

Instrument :

BNA_G

ClientSampleId :

NB-01-091917-A

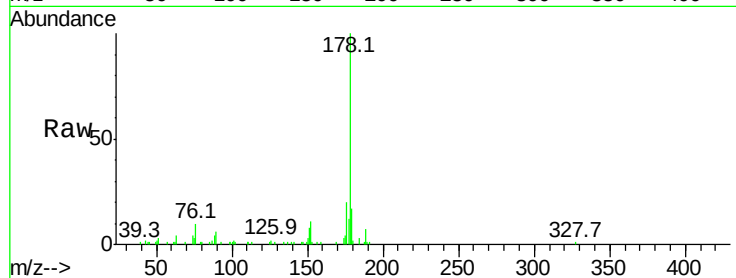
Tot Ion:178 Resp: 31985

Ion Ratio Lower Upper

178 100

176 19.6 17.7 26.5

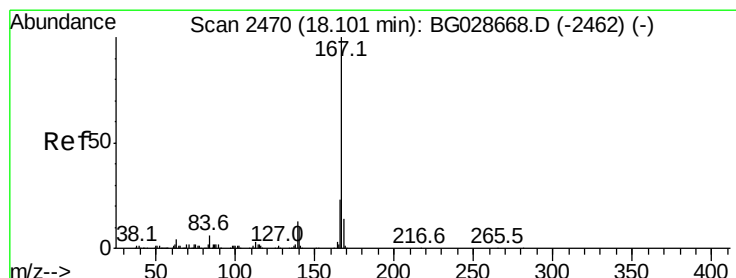
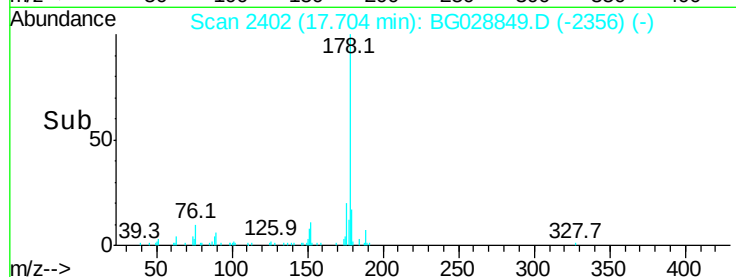
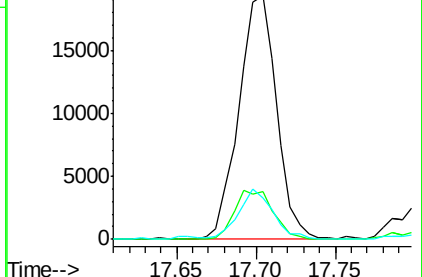
179 17.1 15.0 22.6



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



#72

Carbazole

Concen: 2.992 ng

RT: 18.07 min Scan# 2464

Delta R.T. -0.03 min

Lab File: BG028849.D

Acq: 21 Sep 2017 9:07

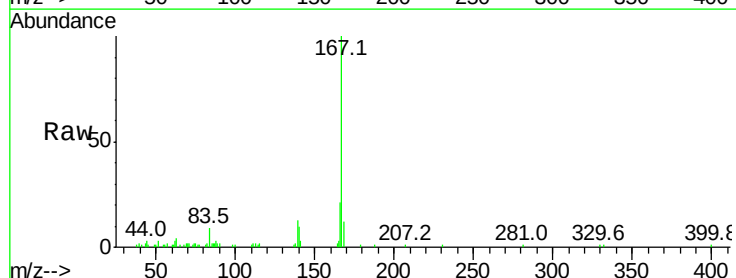
Tgt Ion:167 Resp: 38577

Ion Ratio Lower Upper

167 100

166 20.6 20.2 30.2

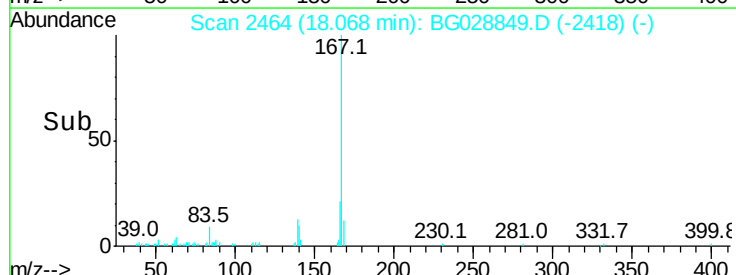
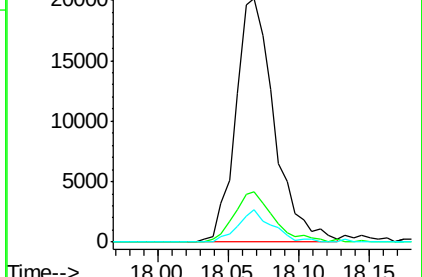
139 13.1 12.8 19.2

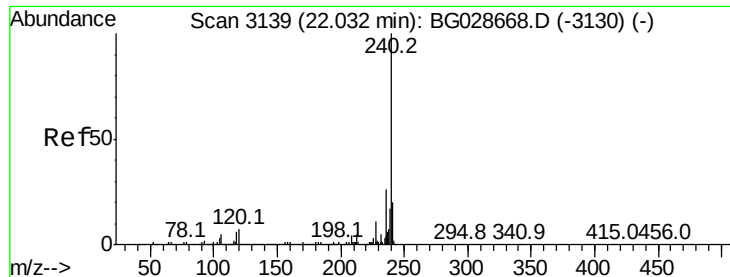


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.98 min Scan# 3130

Delta R.T. -0.05 min

Lab File: BG028849.D

Acq: 21 Sep 2017 9:07

Instrument :

BNA_G

ClientSampleId :

NB-01-091917-A

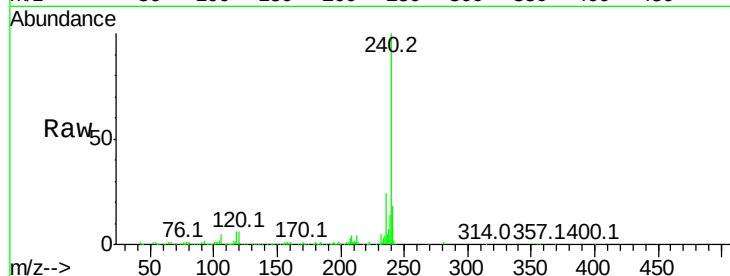
Tot Ion:240 Resp: 311462

Ion Ratio Lower Upper

240 100

120 5.9 5.7 8.5

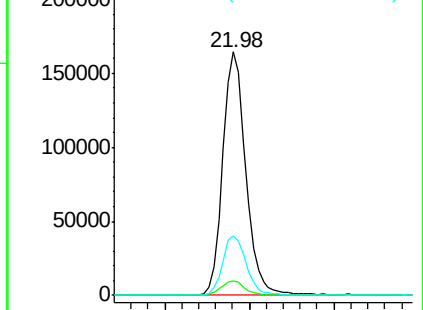
236 24.4 22.2 33.4



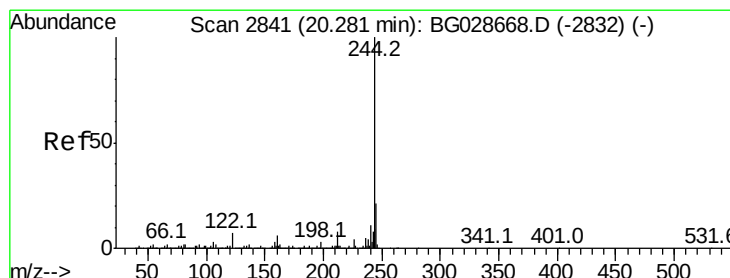
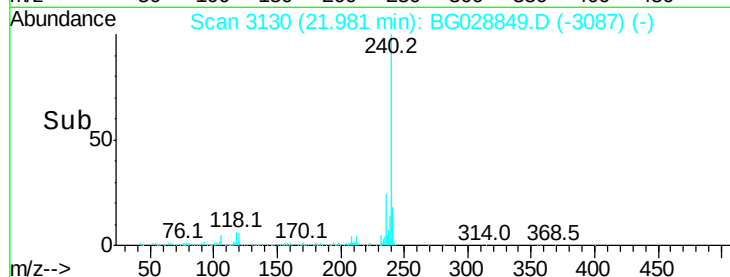
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 96.222 ng

RT: 20.25 min Scan# 2835

Delta R.T. -0.03 min

Lab File: BG028849.D

Acq: 21 Sep 2017 9:07

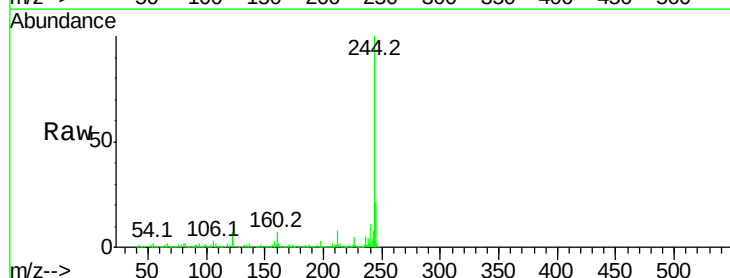
Tgt Ion:244 Resp: 1405328

Ion Ratio Lower Upper

244 100

212 7.7 10.0 15.0#

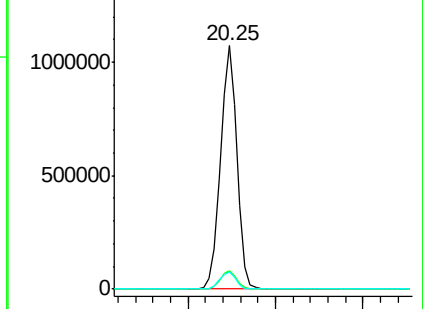
122 7.0 8.6 12.8#



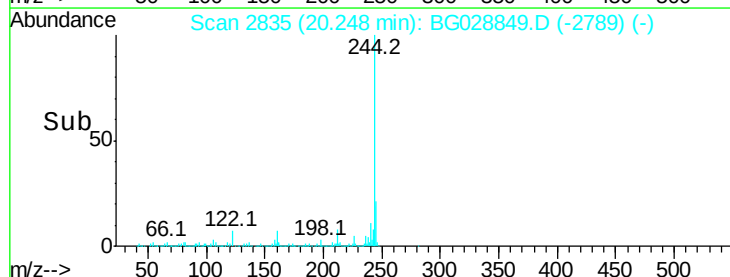
Abundance Ion 244.00 (243.70 to 244.70): E

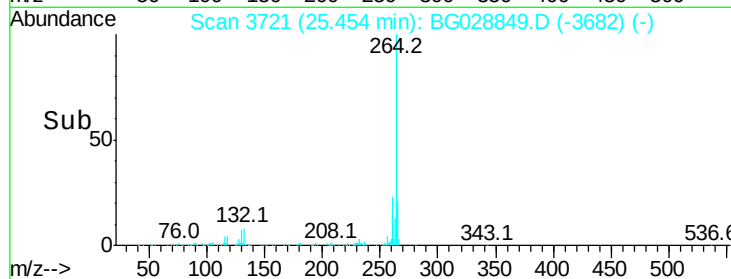
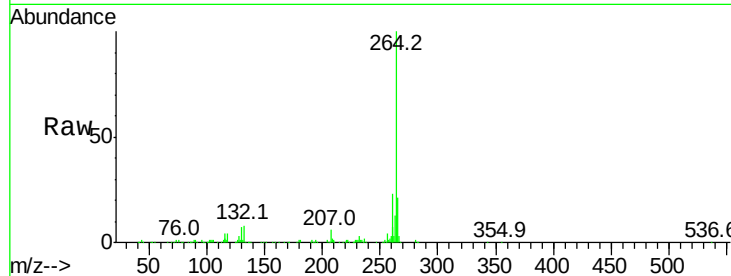
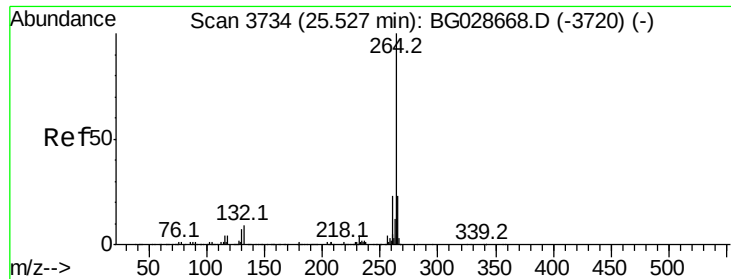
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.45 min Scan# 3721
Delta R.T. -0.07 min
Lab File: BG028849.D
Acq: 21 Sep 2017 9:07

Instrument :
BNA_G
ClientSampleId :
NB-01-091917-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	21.8	32.8
265	21.1	18.2	27.4

