

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070117\
 Data File : BG027776.D
 Acq On : 1 Jul 2017 9:54
 Operator : SJ/JU
 Sample : I3956-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-2093-COMP

Quant Time: Jul 01 18:06:55 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 19:26:37 2017
 Response via : Initial Calibration

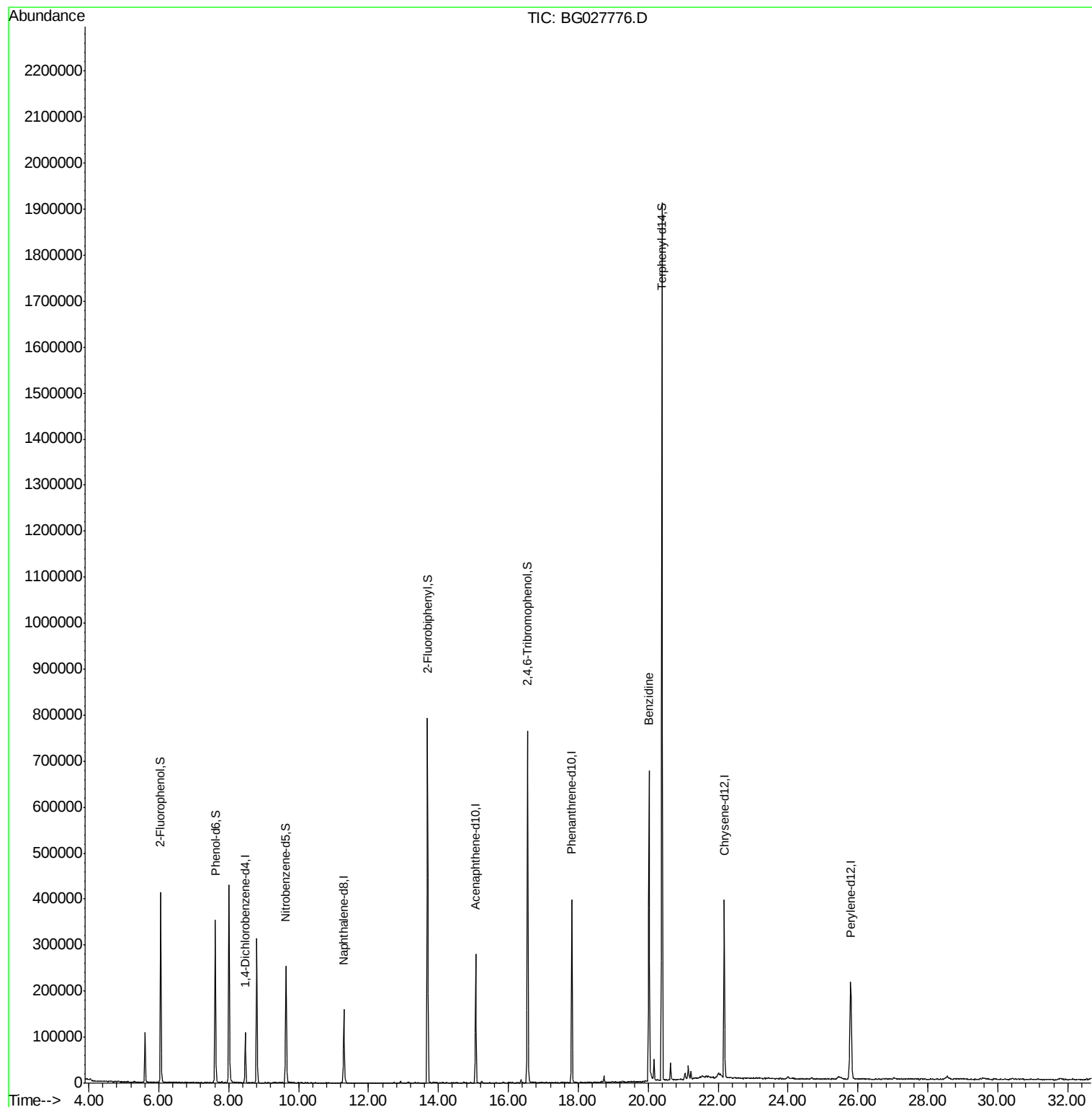
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.48	152	32897	20.00	ng	0.00
21) Naphthalene-d8	11.30	136	146731	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	95803	20.00	ng	0.00
63) Phenanthrene-d10	17.81	188	253325	20.00	ng	0.00
75) Chrysene-d12	22.18	240	255779	20.00	ng	0.00
86) Perylene-d12	25.79	264	255012	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.06	112	184908	86.56	ng	0.00
7) Phenol-d6	7.62	99	223663	68.53	ng	0.00
23) Nitrobenzene-d5	9.64	82	162797	61.84	ng	0.00
41) 2,4,6-Tribromophenol	16.55	330	149725	113.94	ng	0.00
44) 2-Fluorobiphenyl	13.69	172	419686	62.56	ng	0.00
78) Terphenyl-d14	20.39	244	825300	75.64	ng	0.00
Target Compounds						
76) Benzidine	20.02	184	419708	67.532	ng	Qvalue 97

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

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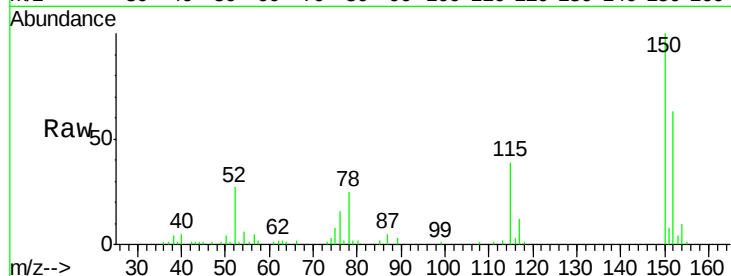


#1

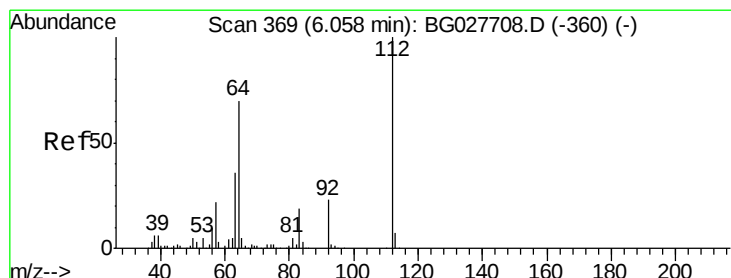
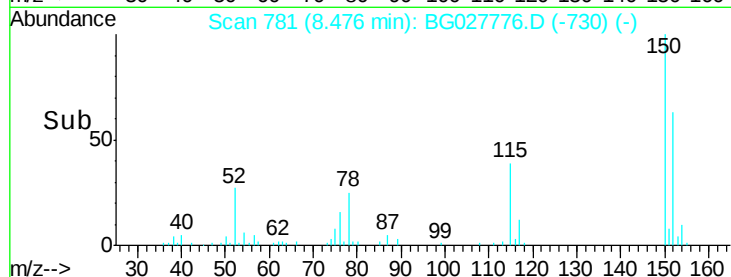
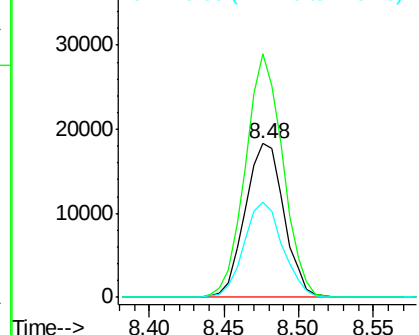
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.48 min Scan# 781
Delta R.T. -0.00 min
Lab File: BG027776.D
Acq: 1 Jul 2017 9:54

Instrument :
BNA_G
ClientSampleId :
MH-2093-COMP

Tgt Ion:152 Resp: 32897
Ion Ratio Lower Upper
152 100
150 158.2 114.0 171.0
115 61.7 48.1 72.1



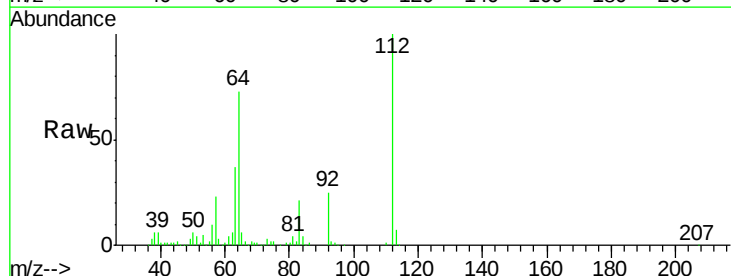
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



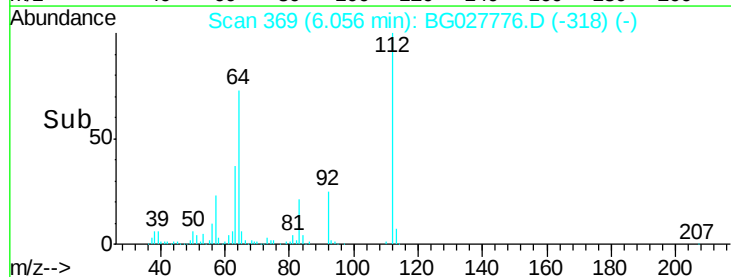
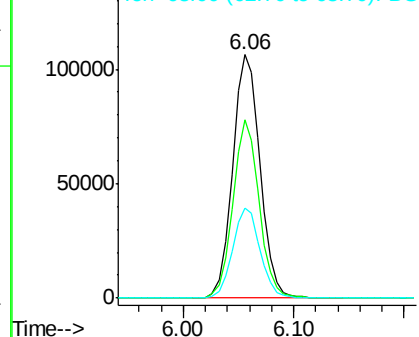
#5

2-Fluorophenol
Concen: 86.555 ng
RT: 6.06 min Scan# 369
Delta R.T. -0.00 min
Lab File: BG027776.D
Acq: 1 Jul 2017 9:54

Tgt Ion:112 Resp: 184908
Ion Ratio Lower Upper
112 100
64 73.3 61.8 92.6
63 36.8 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: 68.533 ng

RT: 7.62 min Scan# 635

Delta R.T. 0.00 min

Lab File: BG027776.D

Acq: 1 Jul 2017 9:54

Instrument :

BNA_G

ClientSampleId :

MH-2093-COMP

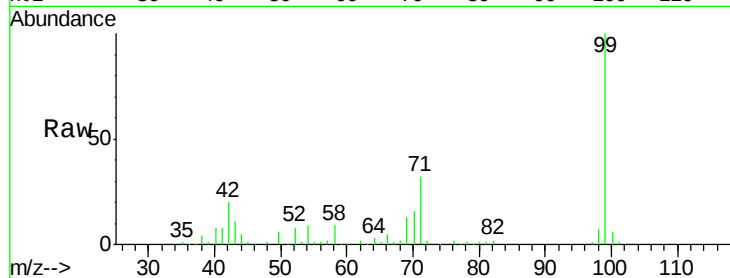
Tgt Ion: 99 Resp: 223663

Ion Ratio Lower Upper

99 100

42 19.6 20.5 30.7#

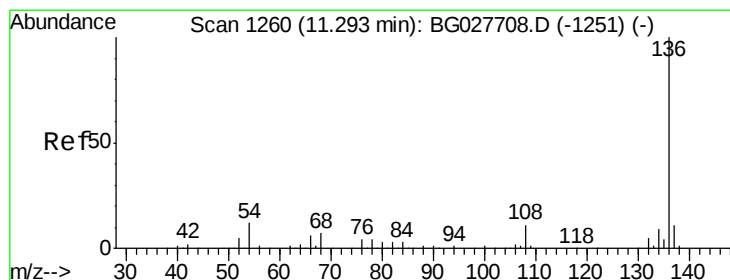
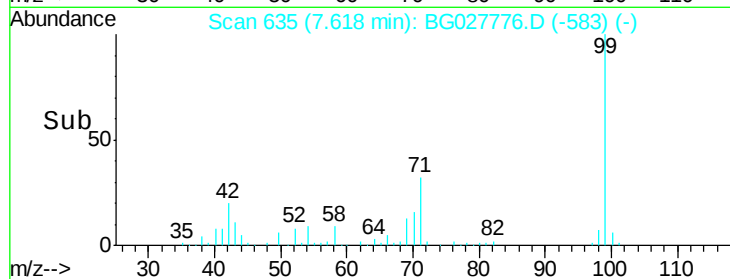
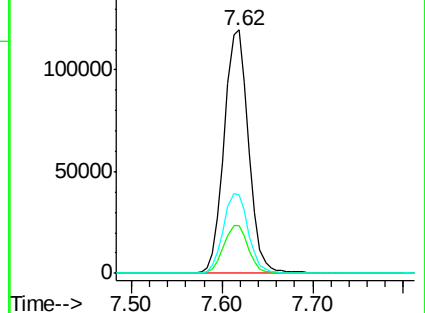
71 32.4 37.6 56.4#



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.30 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BG027776.D

Acq: 1 Jul 2017 9:54

Tgt Ion: 136 Resp: 146731

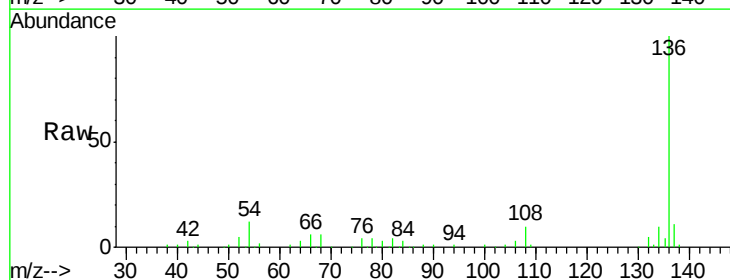
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 11.9 9.3 13.9

68 6.3 5.1 7.7

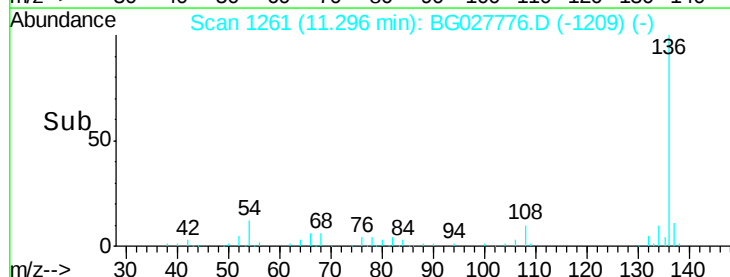
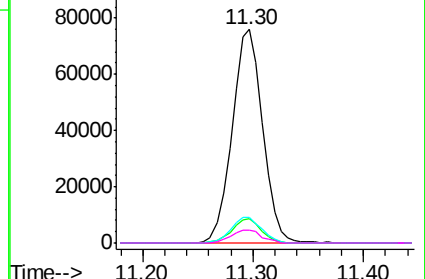


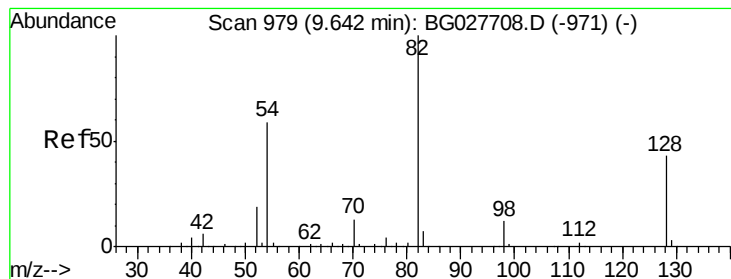
Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 61.844 ng

RT: 9.64 min Scan# 979

Delta R.T. -0.00 min

Lab File: BG027776.D

Acq: 1 Jul 2017 9:54

Instrument :

BNA_G

ClientSampleId :

MH-2093-COMP

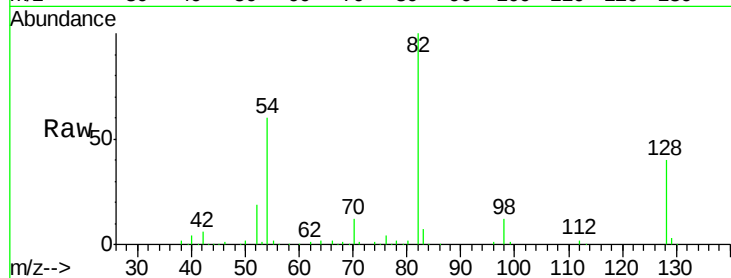
Tgt Ion: 82 Resp: 162797

Ion Ratio Lower Upper

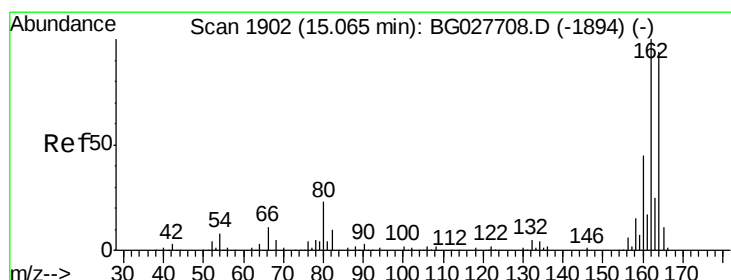
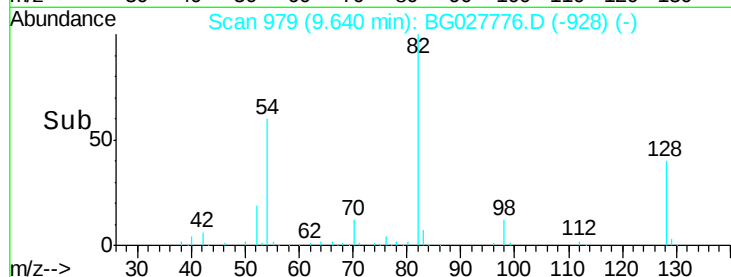
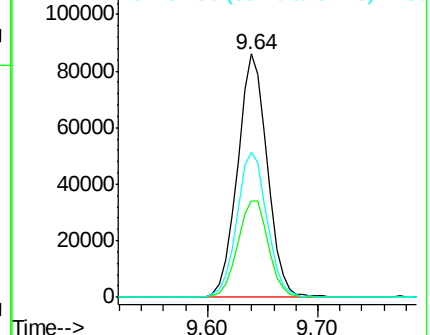
82 100

128 39.6 26.4 39.6

54 59.6 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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.07 min Scan# 1903

Delta R.T. 0.00 min

Lab File: BG027776.D

Acq: 1 Jul 2017 9:54

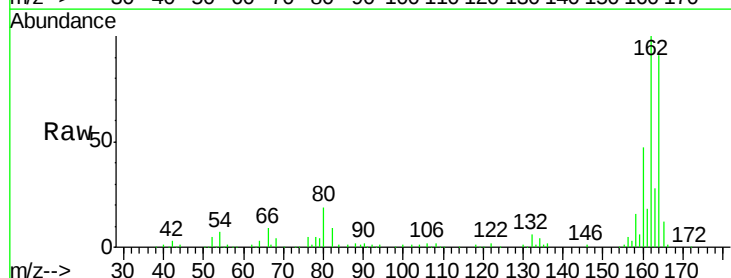
Tgt Ion: 164 Resp: 95803

Ion Ratio Lower Upper

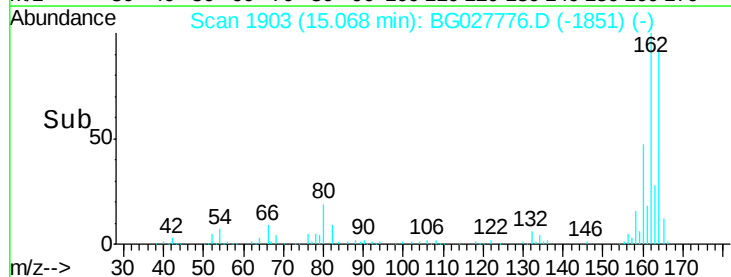
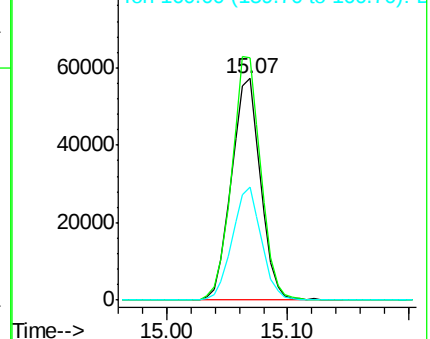
164 100

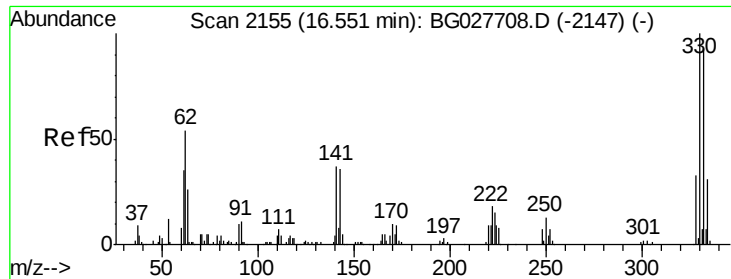
162 109.4 85.1 127.7

160 51.2 34.7 52.1



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

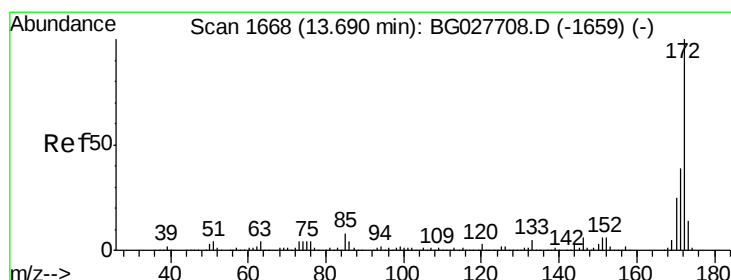
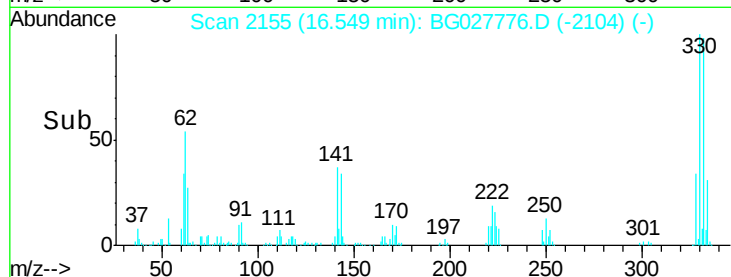
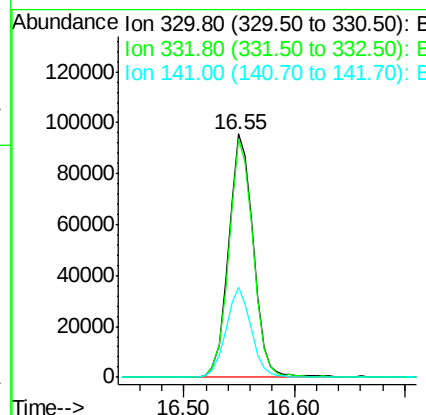
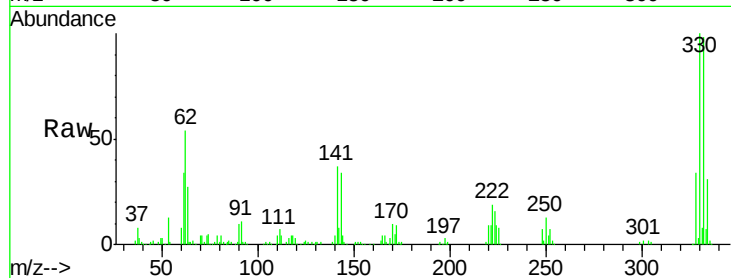




#41
 2,4,6-Tribromophenol
 Concen: 113.942 ng
 RT: 16.55 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: BG027776.D
 Acq: 1 Jul 2017 9:54

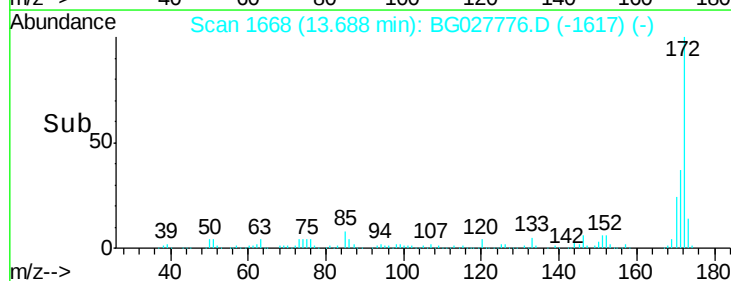
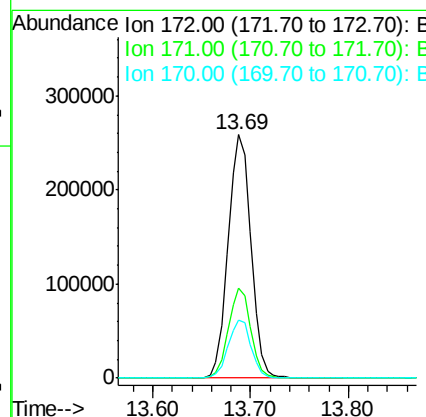
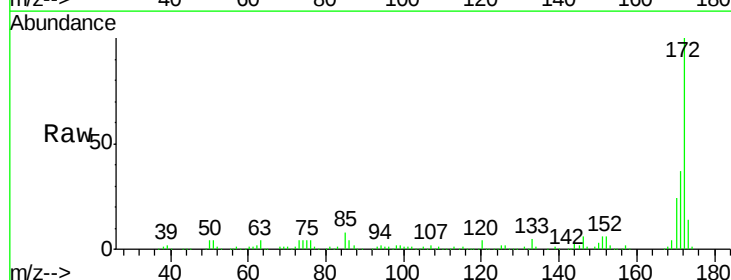
Instrument :
 BNA_G
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 MH-2093-COMP

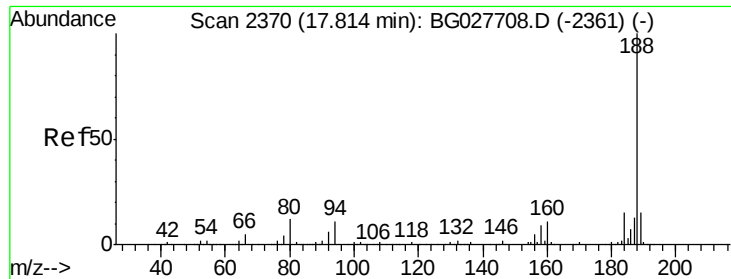
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	37.5	32.1	48.1



#44
 2-Fluorobiphenyl
 Concen: 62.564 ng
 RT: 13.69 min Scan# 1668
 Delta R.T. -0.00 min
 Lab File: BG027776.D
 Acq: 1 Jul 2017 9:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	32.2	48.2
170	23.8	21.8	32.6

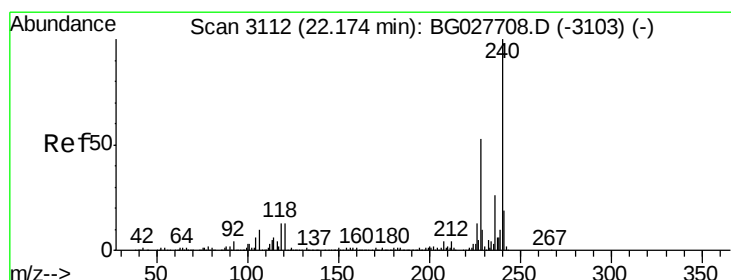
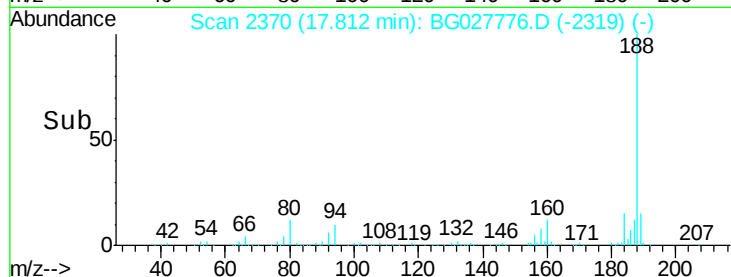
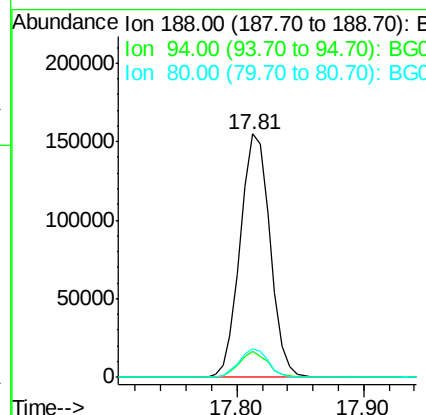
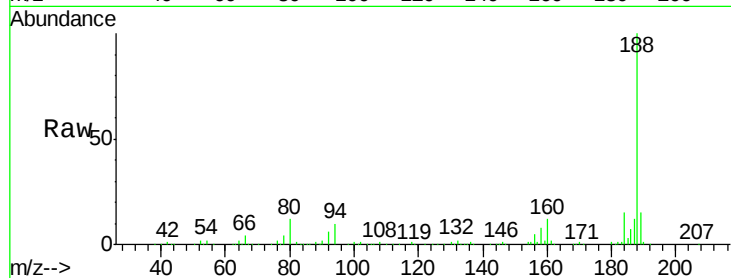




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.81 min Scan# 2370
Delta R.T. -0.00 min
Lab File: BG027776.D
Acq: 1 Jul 2017 9:54

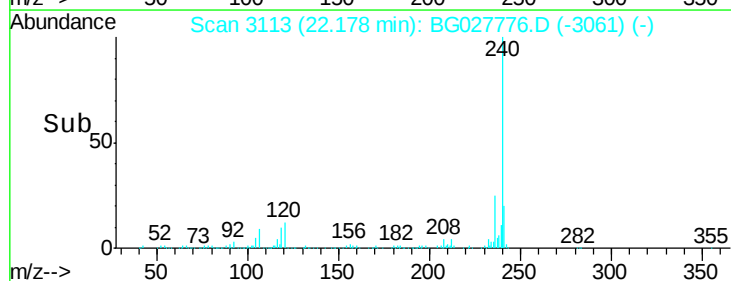
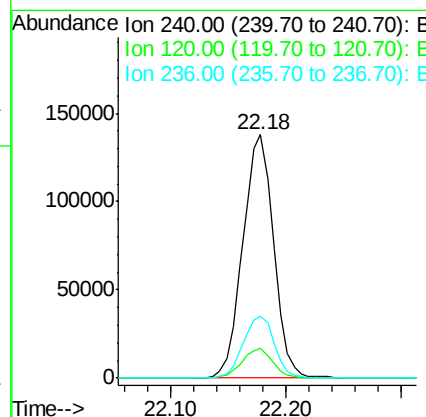
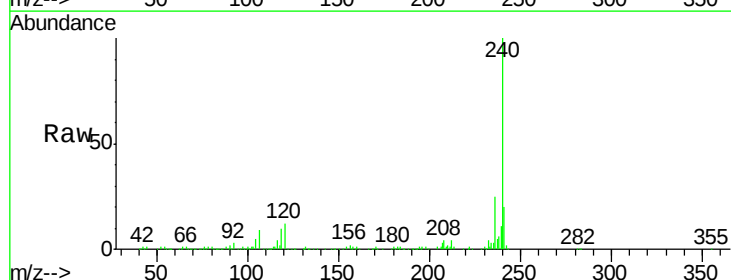
Instrument :
BNA_G
ClientSampleId :
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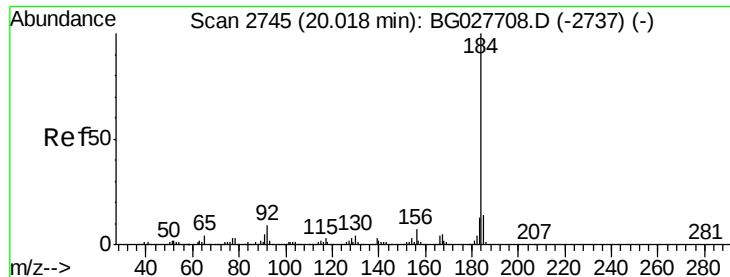
Tgt Ion:188 Resp: 253325
Ion Ratio Lower Upper
188 100
94 10.5 5.8 8.8#
80 11.6 7.5 11.3#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.18 min Scan# 3113
Delta R.T. 0.00 min
Lab File: BG027776.D
Acq: 1 Jul 2017 9:54

Tgt Ion:240 Resp: 255779
Ion Ratio Lower Upper
240 100
120 12.2 5.7 8.5#
236 25.4 22.2 33.4





#76

Benzidine

Concen: 67.532 ng

RT: 20.02 min Scan# 2746

Delta R.T. 0.00 min

Lab File: BG027776.D

Acq: 1 Jul 2017 9:54

Instrument :

BNA_G

ClientSampleId :

MH-2093-COMP

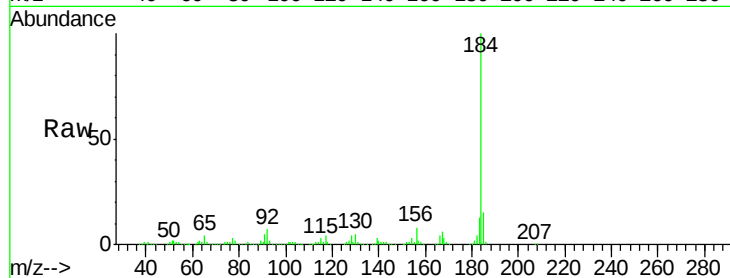
Tgt Ion:184 Resp: 419708

Ion Ratio Lower Upper

184 100

185 14.9 13.0 19.6

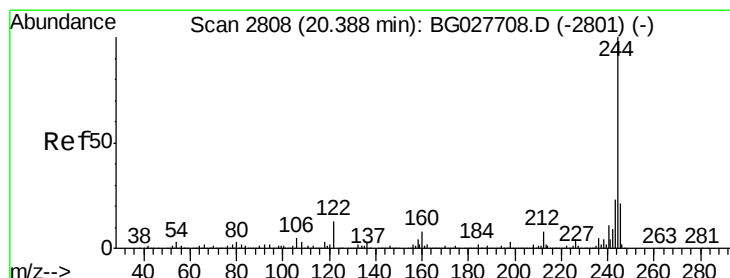
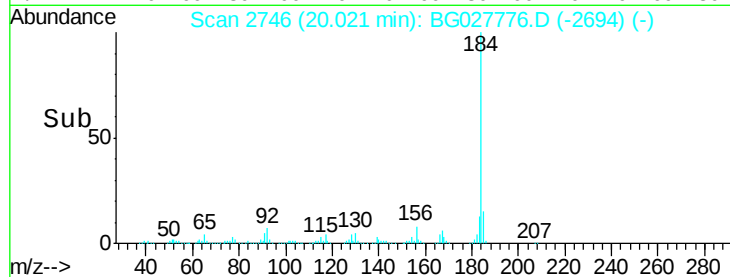
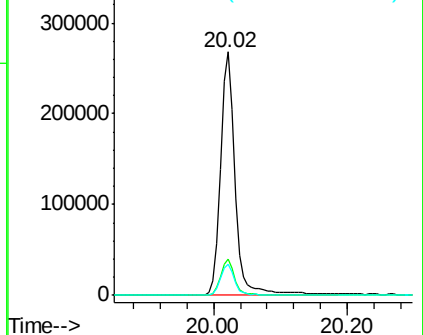
183 12.8 11.0 16.6



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: 75.644 ng

RT: 20.39 min Scan# 2809

Delta R.T. 0.00 min

Lab File: BG027776.D

Acq: 1 Jul 2017 9:54

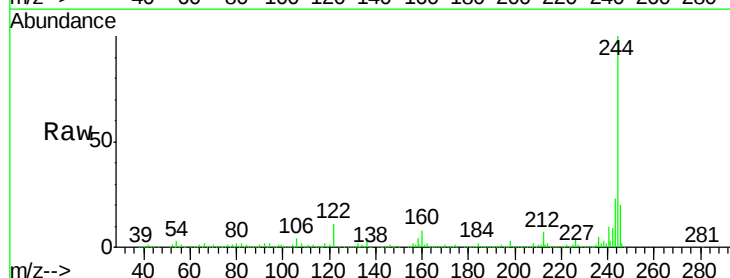
Tgt Ion:244 Resp: 825300

Ion Ratio Lower Upper

244 100

212 7.3 10.0 15.0#

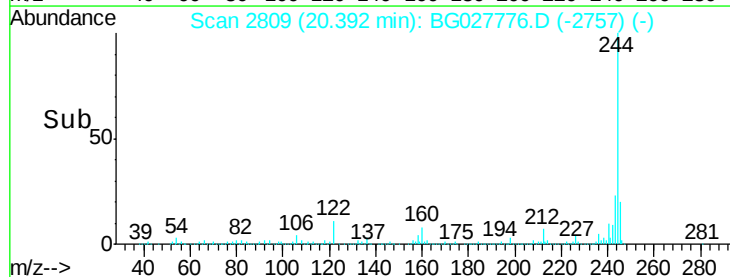
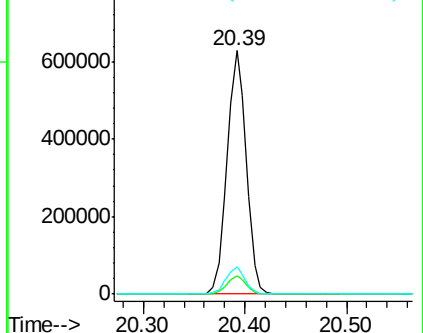
122 11.3 8.6 12.8

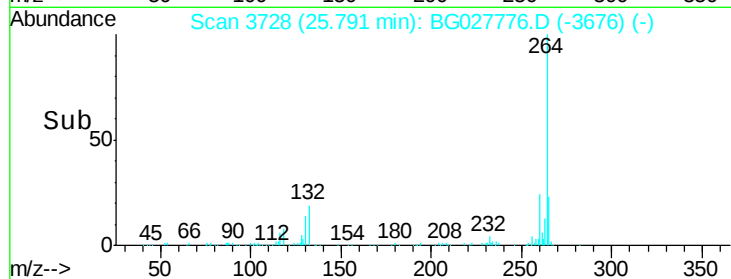
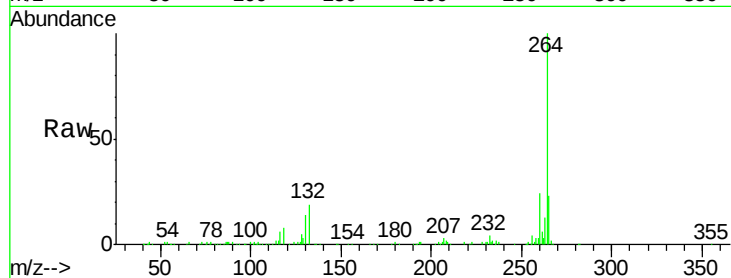
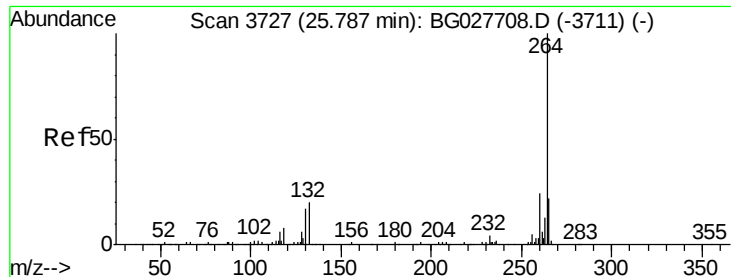


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.79 min Scan# 3728

Delta R.T. 0.00 min

Lab File: BG027776.D

Acq: 1 Jul 2017 9:54

Instrument :

BNA_G

ClientSampleId :

MH-2093-COMP

Tgt Ion:264 Resp: 255012

Ion Ratio Lower Upper

264 100

260 24.4 21.8 32.8

265 22.7 18.2 27.4

