

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070217\
 Data File : BG027828.D
 Acq On : 2 Jul 2017 21:10
 Operator : SJ/JU
 Sample : I3982-17
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 03 08:08:56 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	8.47	152	27060	20.00	ng	0.00
21) Naphthalene-d8	11.29	136	125897	20.00	ng	0.00
38) Acenaphthene-d10	15.06	164	76806	20.00	ng	0.00
63) Phenanthrene-d10	17.81	188	211932	20.00	ng	0.00
75) Chrysene-d12	22.17	240	204926	20.00	ng	0.00
86) Perylene-d12	25.79	264	82621	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.06	112	249902	142.21	ng	0.00
7) Phenol-d6	7.63	99	302380	112.64	ng	0.01
23) Nitrobenzene-d5	9.64	82	214414	94.93	ng	0.00
41) 2,4,6-Tribromophenol	16.55	330	216012	205.05	ng	0.00
44) 2-Fluorobiphenyl	13.69	172	576734	107.24	ng	0.00
78) Terphenyl-d14	20.39	244	1102677	126.15	ng	0.00

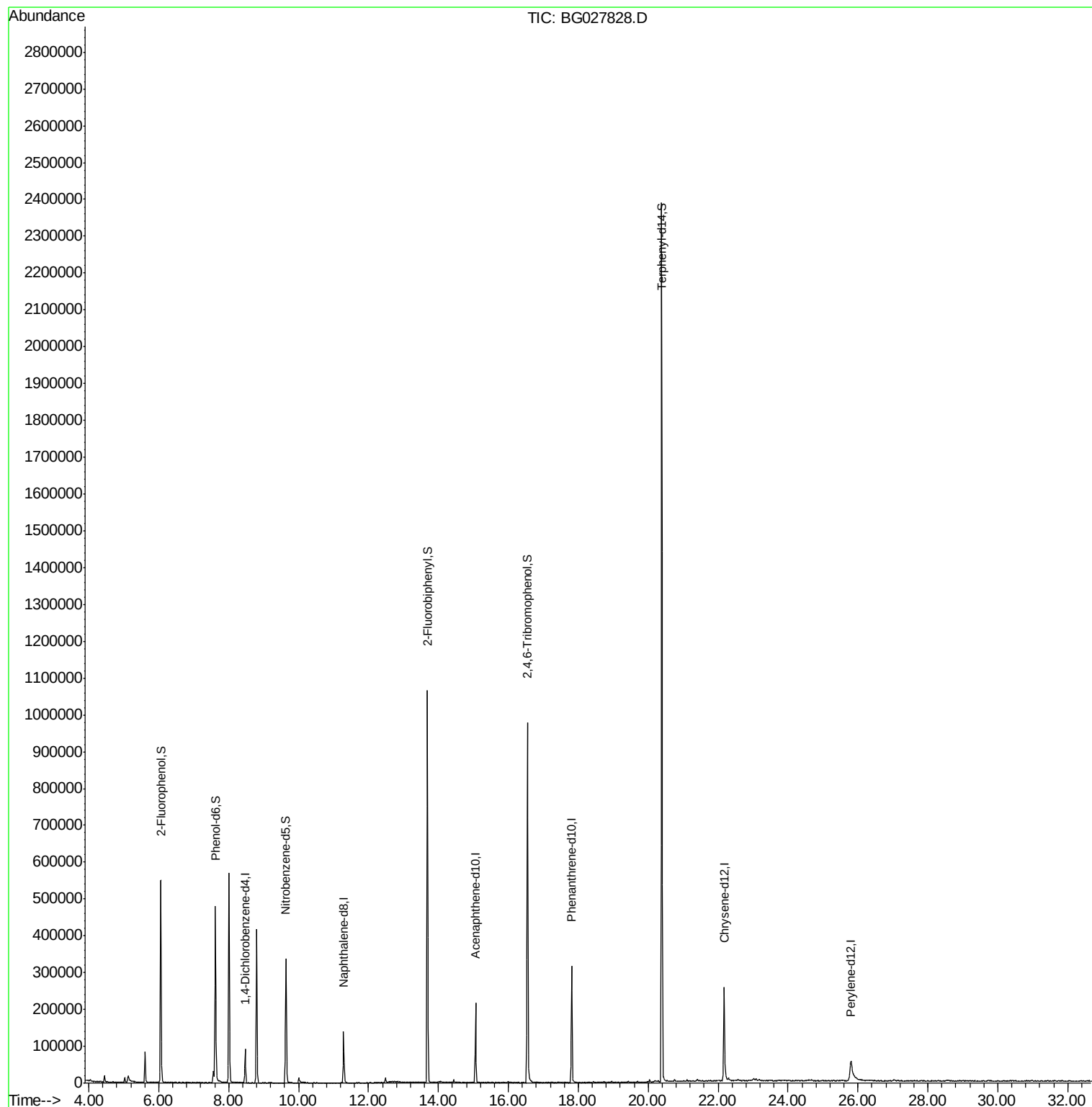
Target Compounds Qvalue

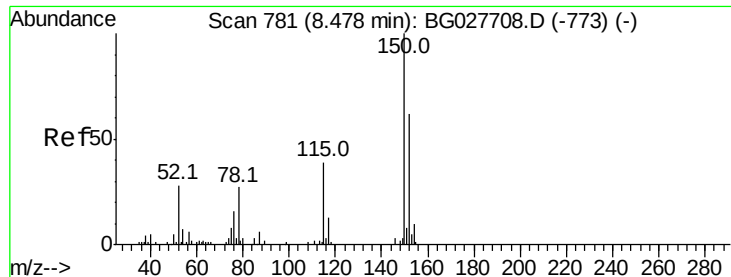
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.47 min Scan# 780

Delta R.T. -0.01 min

Lab File: BG027828.D

Acq: 2 Jul 2017 21:10

Instrument :

BNA_G

ClientSampleId :

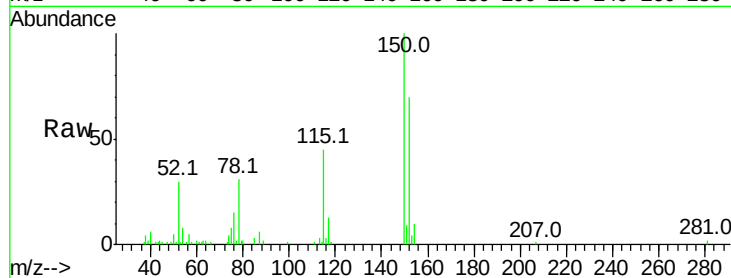
Tot Ion:152 Resp: 27060

Ion Ratio Lower Upper

152 100

150 142.5 114.0 171.0

115 64.2 48.1 72.1

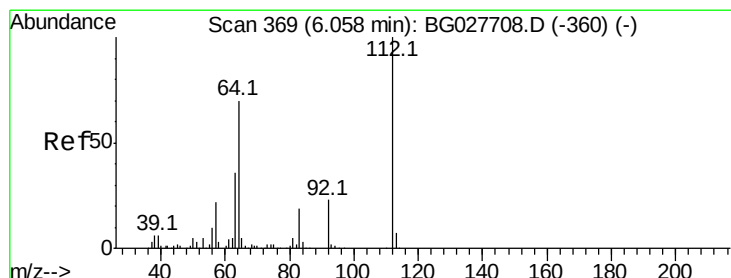
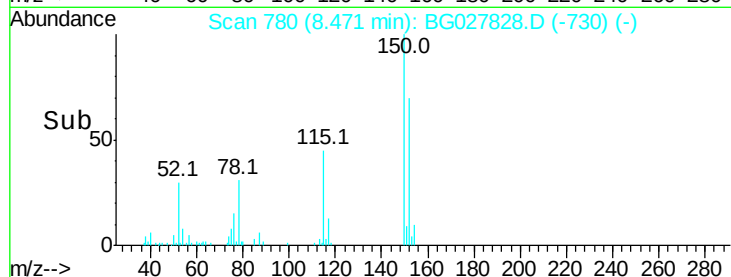
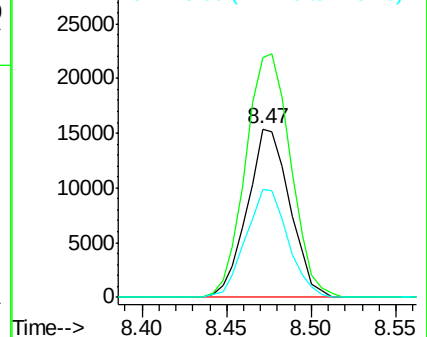


Abundance

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: 142.21 ng

RT: 6.06 min Scan# 370

Delta R.T. 0.00 min

Lab File: BG027828.D

Acq: 2 Jul 2017 21:10

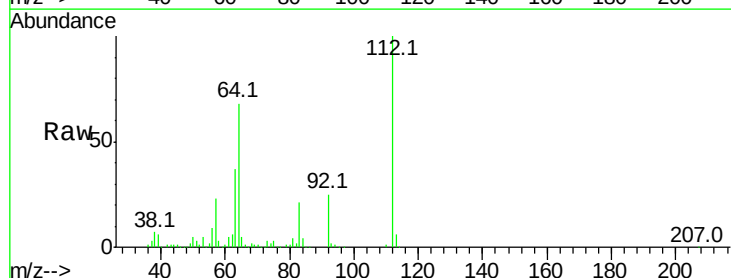
Tgt Ion:112 Resp: 249902

Ion Ratio Lower Upper

112 100

64 68.2 61.8 92.6

63 37.0 37.2 55.8#

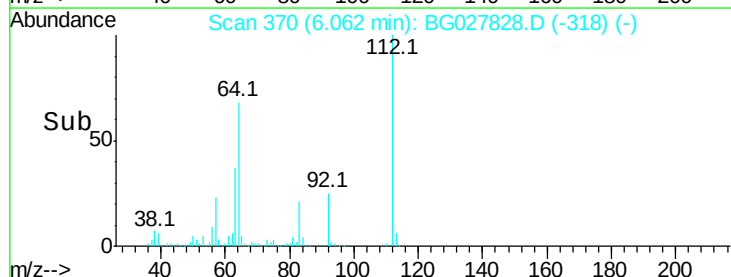
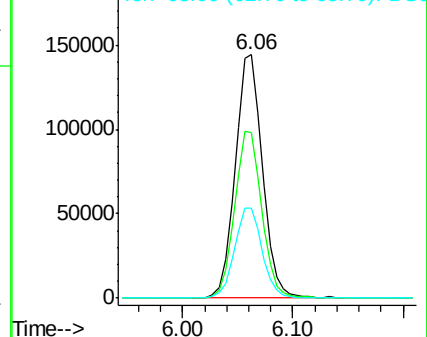


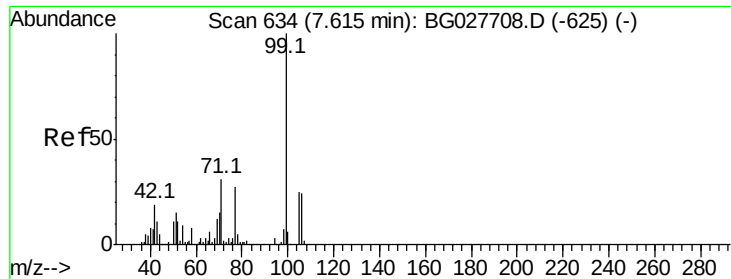
Abundance

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: 112.64 ng

RT: 7.63 min Scan# 636

Delta R.T. 0.01 min

Lab File: BG027828.D

Acq: 2 Jul 2017 21:10

Instrument :

BNA_G

ClientSampleId :

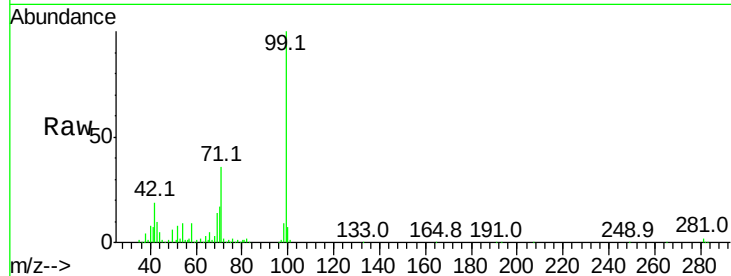
Tot Ion: 99 Resp: 302380

Ion Ratio Lower Upper

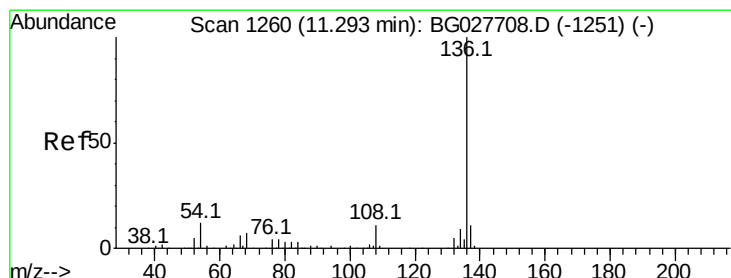
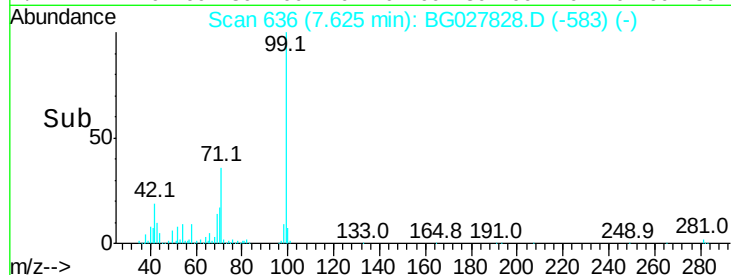
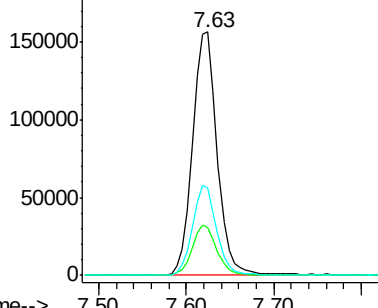
99 100

42 19.5 20.5 30.7#

71 36.1 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: 20.00 ng

RT: 11.29 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BG027828.D

Acq: 2 Jul 2017 21:10

Tgt Ion: 136 Resp: 125897

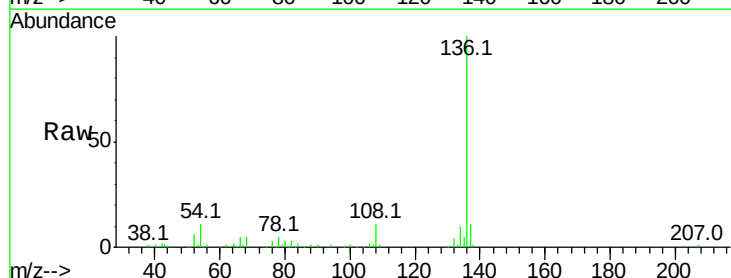
Ion Ratio Lower Upper

136 100

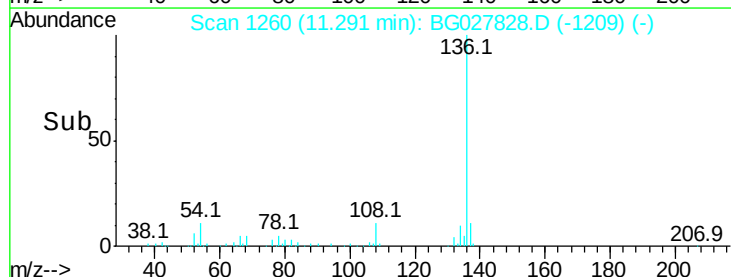
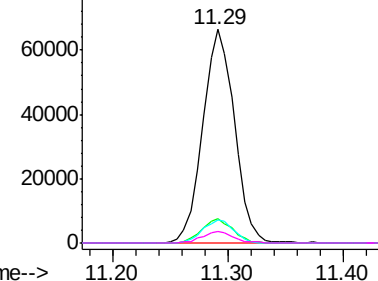
137 11.2 8.9 13.3

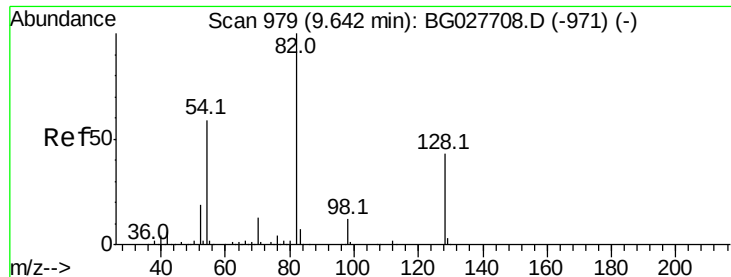
54 10.9 9.3 13.9

68 5.2 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: 94.93 ng

RT: 9.64 min Scan# 979

Delta R.T. -0.00 min

Lab File: BG027828.D

Acq: 2 Jul 2017 21:10

Instrument :

BNA_G

ClientSampled :

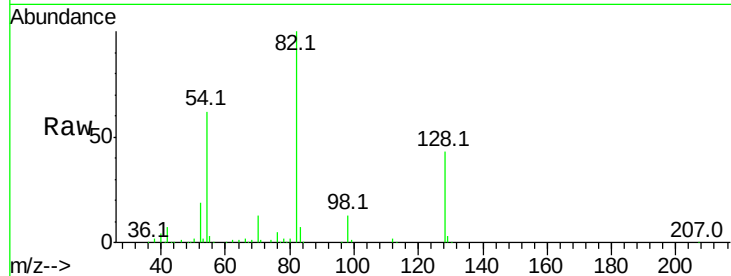
Tot Ion: 82 Resp: 214414

Ion Ratio Lower Upper

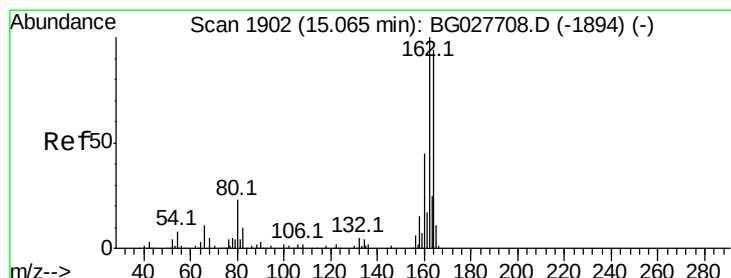
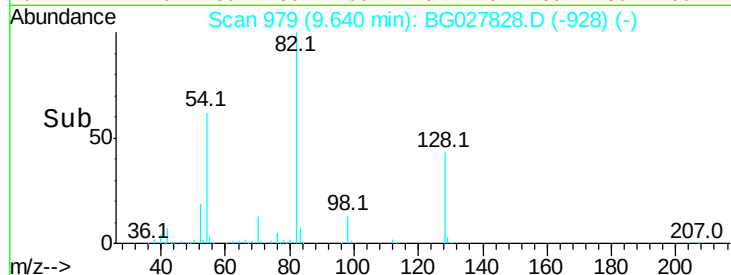
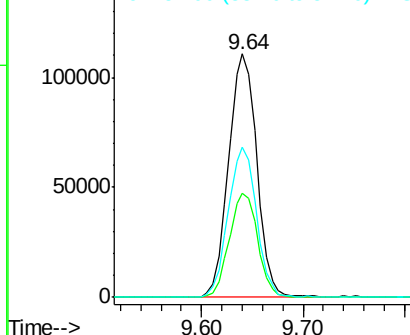
82 100

128 42.8 26.4 39.6#

54 61.5 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: 20.00 ng

RT: 15.06 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG027828.D

Acq: 2 Jul 2017 21:10

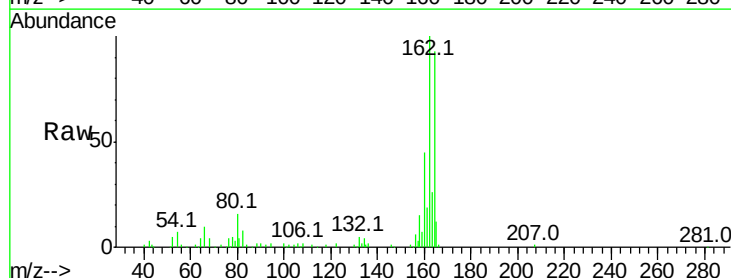
Tgt Ion:164 Resp: 76806

Ion Ratio Lower Upper

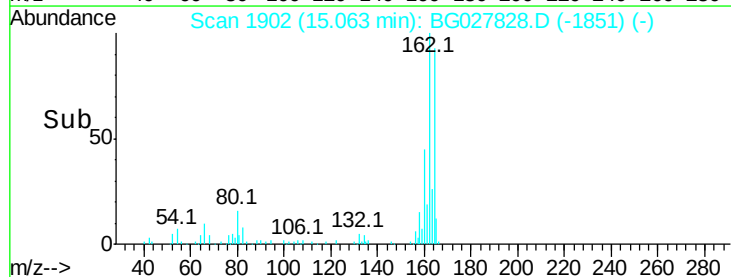
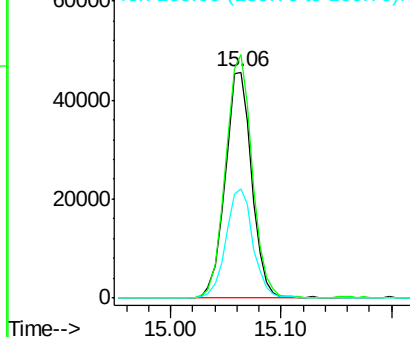
164 100

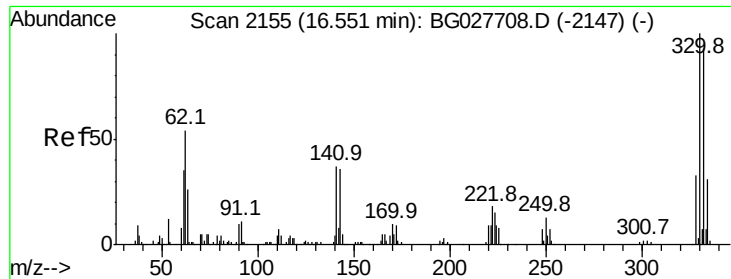
162 107.9 85.1 127.7

160 48.3 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

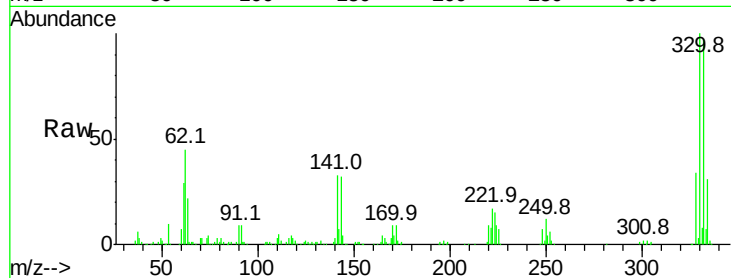




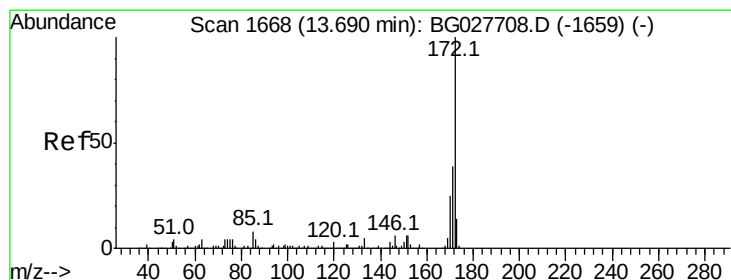
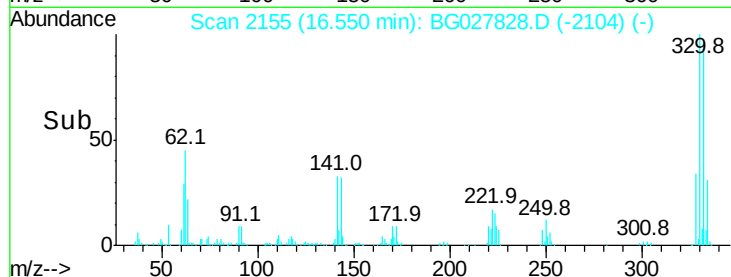
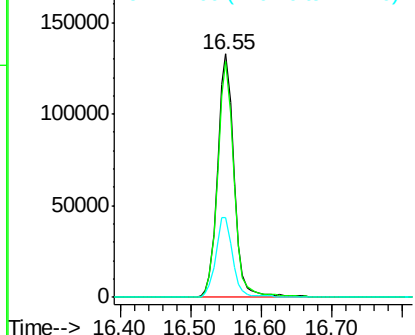
#41
 2,4,6-Tribromophenol
 Concen: 205.05 ng
 RT: 16.55 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: BG027828.D
 Acq: 2 Jul 2017 21:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.3	115.9
141	34.1	32.1	48.1

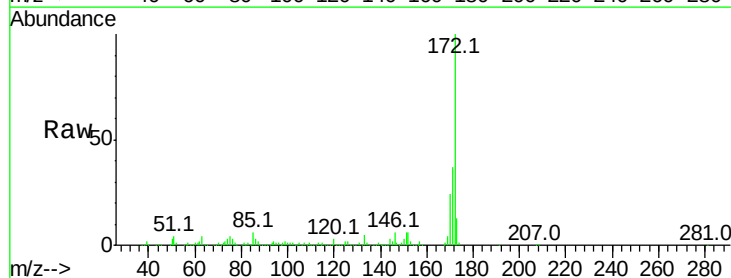


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

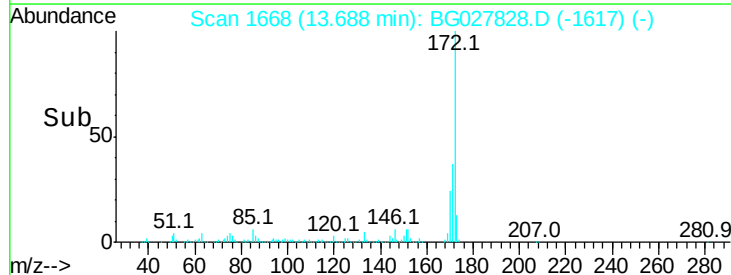
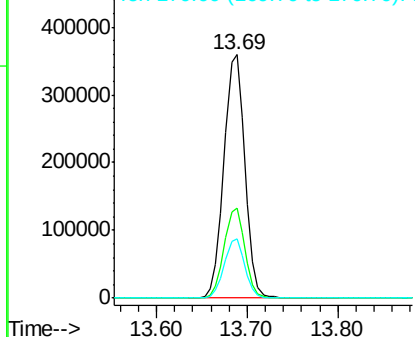


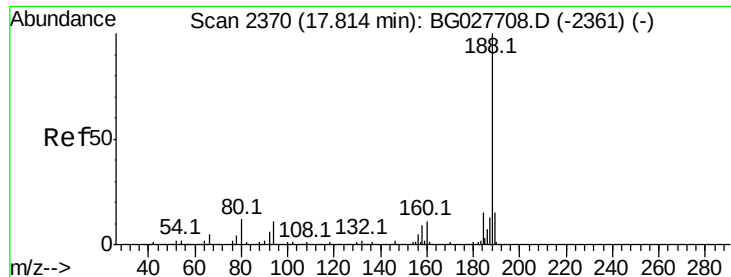
#44
 2-Fluorobiphenyl
 Concen: 107.24 ng
 RT: 13.69 min Scan# 1668
 Delta R.T. -0.00 min
 Lab File: BG027828.D
 Acq: 2 Jul 2017 21:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	32.2	48.2
170	24.2	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: 20.00 ng

RT: 17.81 min Scan# 2370

Delta R.T. -0.00 min

Lab File: BG027828.D

Acq: 2 Jul 2017 21:10

Instrument :

BNA_G

ClientSampleId :

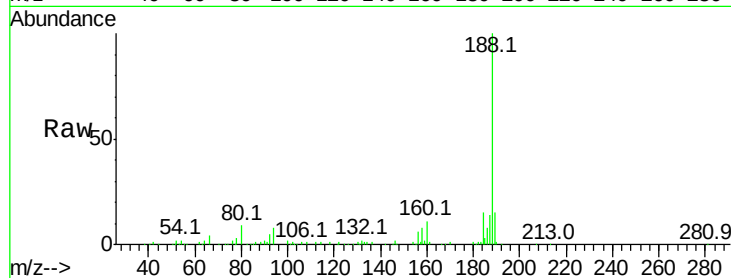
Tot Ion:188 Resp: 211932

Ion Ratio Lower Upper

188 100

94 7.9 5.8 8.8

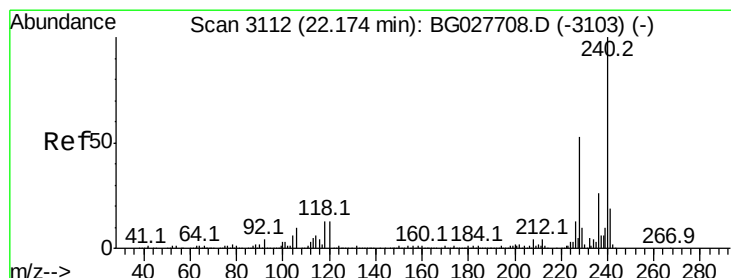
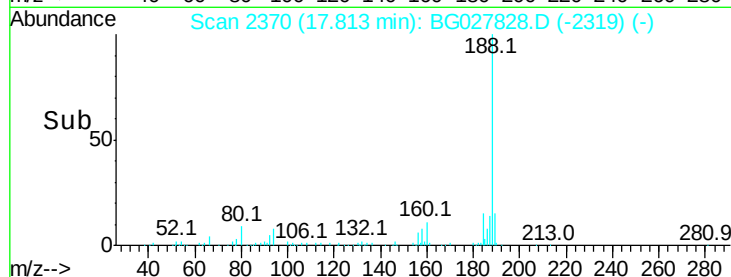
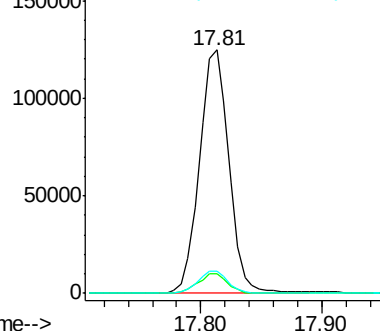
80 9.3 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.17 min Scan# 3112

Delta R.T. -0.00 min

Lab File: BG027828.D

Acq: 2 Jul 2017 21:10

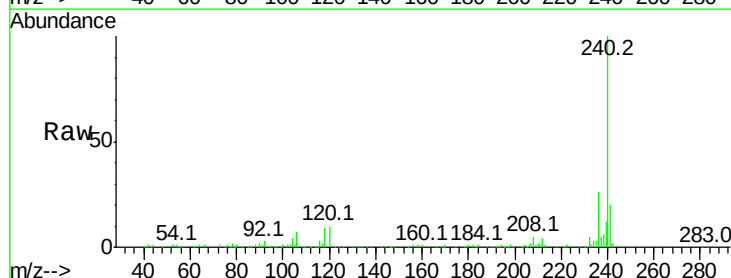
Tgt Ion:240 Resp: 204926

Ion Ratio Lower Upper

240 100

120 9.7 5.7 8.5#

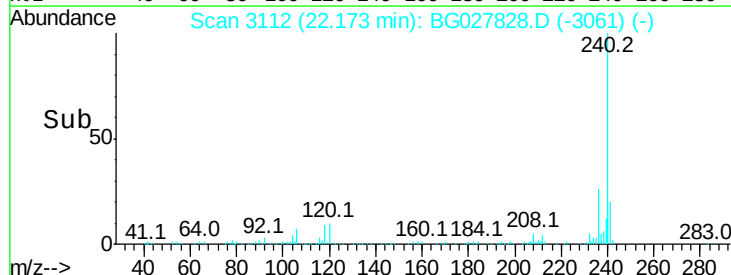
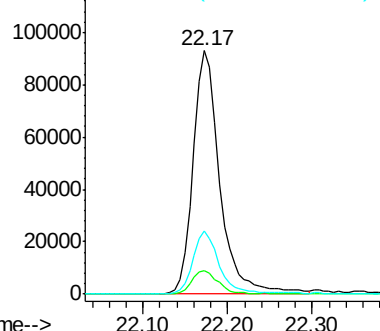
236 25.9 22.2 33.4

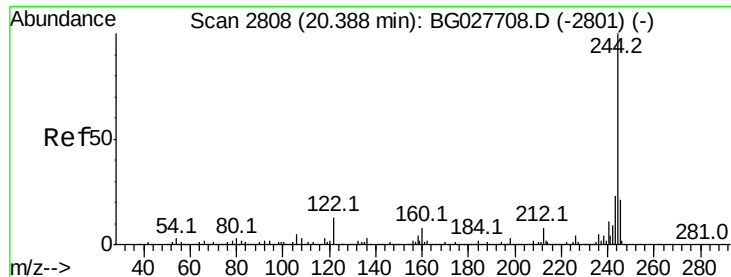


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 126.15 ng

RT: 20.39 min Scan# 2808

Delta R.T. -0.00 min

Lab File: BG027828.D

Acq: 2 Jul 2017 21:10

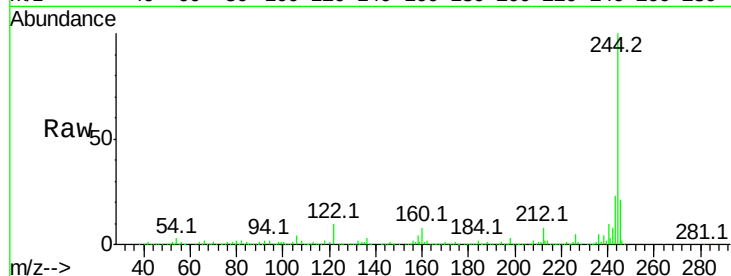
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1102677

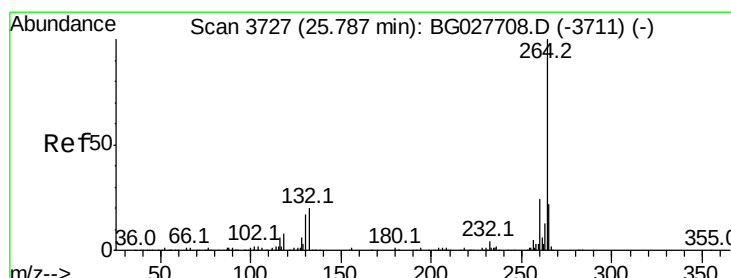
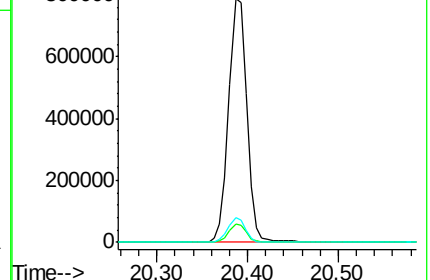
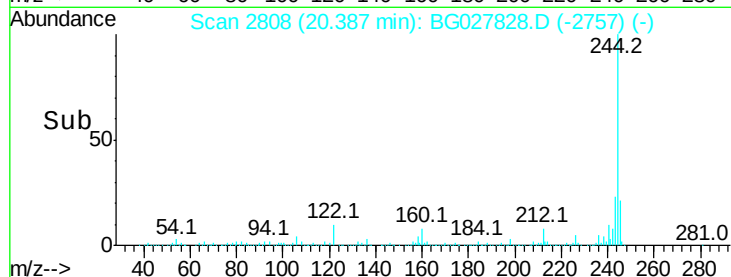
Ion	Ratio	Lower	Upper
244	100		
212	7.6	10.0	15.0#
122	10.2	8.6	12.8



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: 20.00 ng

RT: 25.79 min Scan# 3728

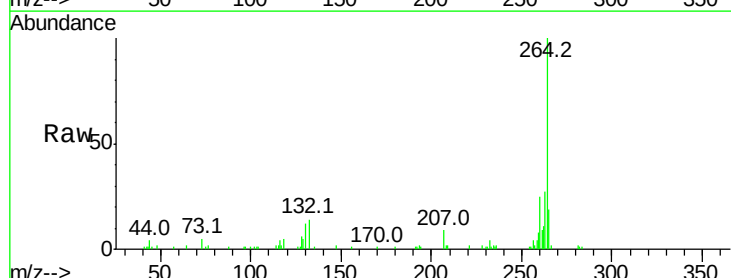
Delta R.T. 0.00 min

Lab File: BG027828.D

Acq: 2 Jul 2017 21:10

Tgt Ion:264 Resp: 82621

Ion	Ratio	Lower	Upper
264	100		
260	25.1	21.8	32.8
265	19.0	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

