

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061417\
 Data File : BG027439.D
 Acq On : 15 Jun 2017 6:24
 Operator : SJ/MA
 Sample : I3636-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 15 07:02:32 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG061417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 14 19:09:08 2017
 Response via : Initial Calibration

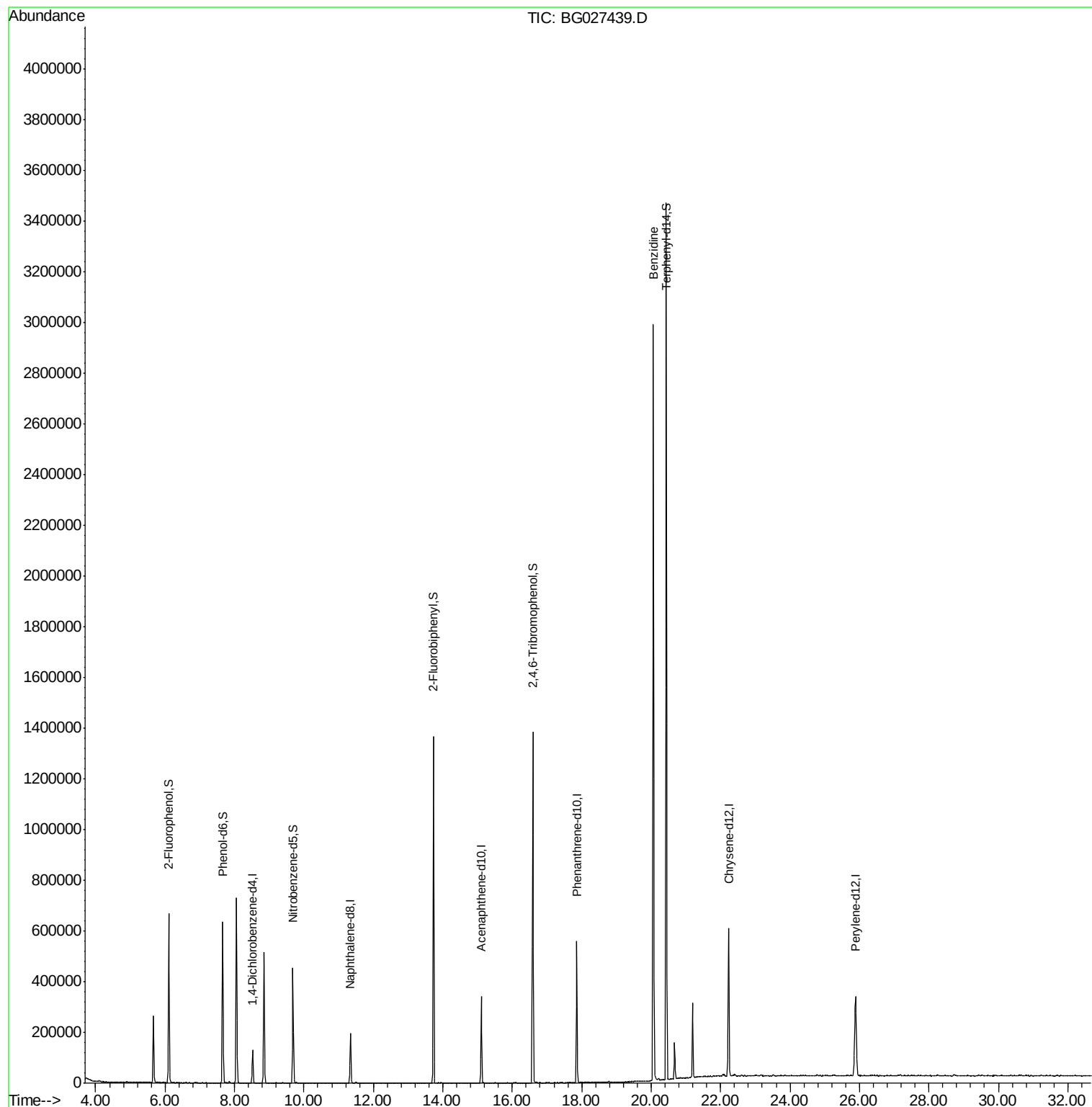
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	36892	20.00	ng	0.00
21) Naphthalene-d8	11.34	136	166765	20.00	ng	0.00
38) Acenaphthene-d10	15.11	164	114209	20.00	ng	0.00
63) Phenanthrene-d10	17.86	188	339923	20.00	ng	0.00
75) Chrysene-d12	22.23	240	392829	20.00	ng	0.00
86) Perylene-d12	25.88	264	377133	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.11	112	292701	112.13	ng	0.00
7) Phenol-d6	7.66	99	396521	98.84	ng	0.00
23) Nitrobenzene-d5	9.68	82	295277	90.27	ng	0.00
41) 2,4,6-Tribromophenol	16.59	330	275924	160.97	ng	0.00
44) 2-Fluorobiphenyl	13.73	172	687194	86.92	ng	0.00
78) Terphenyl-d14	20.44	244	1485895	96.95	ng	0.00
Target Compounds						
76) Benzidine	20.07	184	1681937	195.27	ng	Qvalue 99

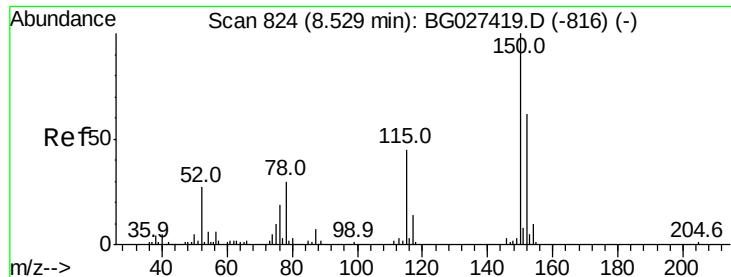
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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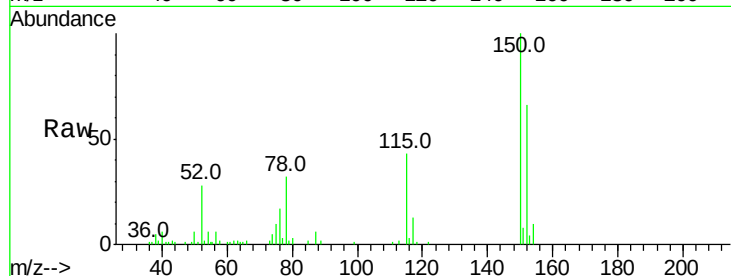


#1

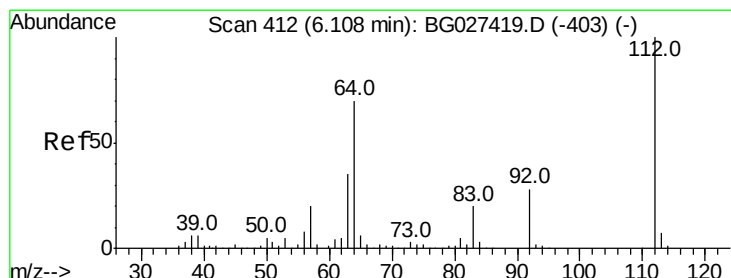
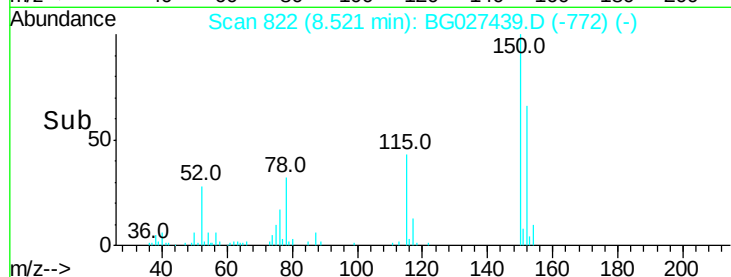
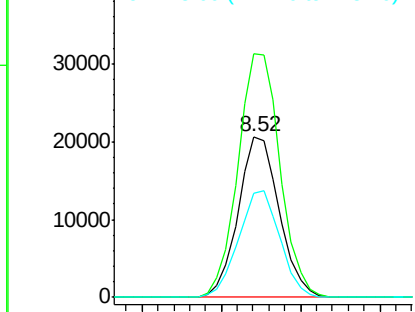
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.52 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG027439.D
Acq: 15 Jun 2017 6:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36892
Ion Ratio Lower Upper
152 100
150 151.4 114.0 171.0
115 64.3 48.1 72.1



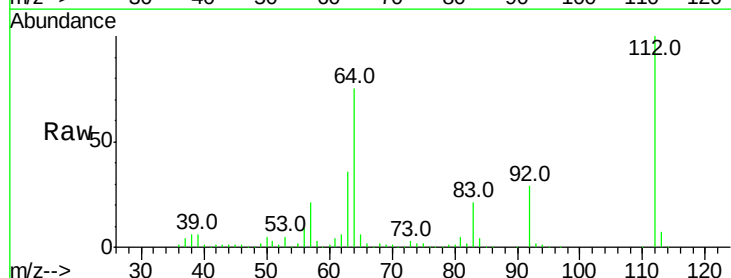
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



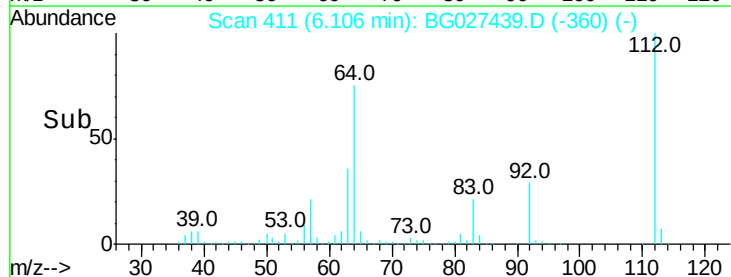
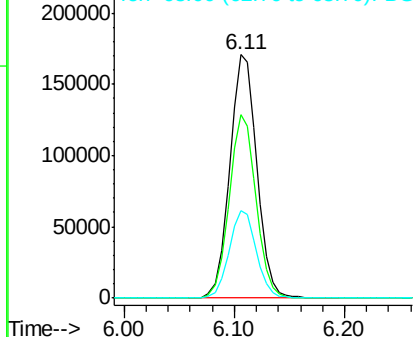
#5

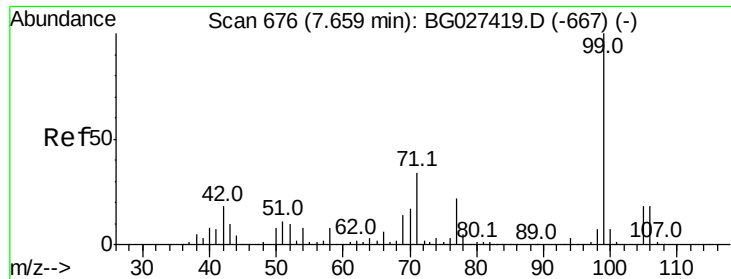
2-Fluorophenol
Concen: 112.13 ng
RT: 6.11 min Scan# 411
Delta R.T. -0.00 min
Lab File: BG027439.D
Acq: 15 Jun 2017 6:24

Tgt Ion:112 Resp: 292701
Ion Ratio Lower Upper
112 100
64 75.5 61.8 92.6
63 35.9 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: 98.84 ng

RT: 7.66 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG027439.D

Acq: 15 Jun 2017 6:24

Instrument :

BNA_G

ClientSampled :

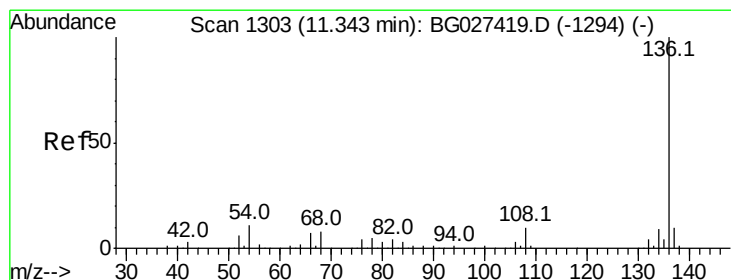
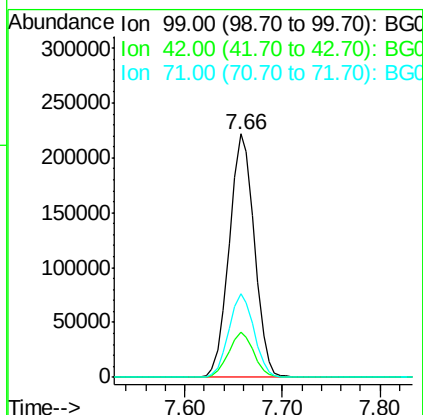
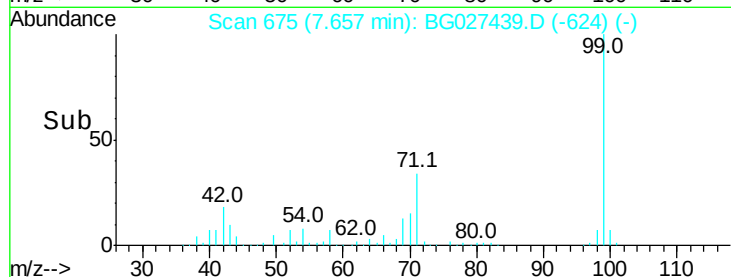
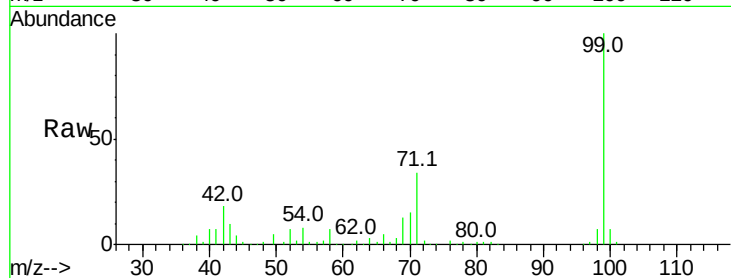
Tot Ion: 99 Resp: 396521

Ion Ratio Lower Upper

99 100

42 18.4 20.5 30.7#

71 34.4 37.6 56.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.34 min Scan# 1302

Delta R.T. -0.00 min

Lab File: BG027439.D

Acq: 15 Jun 2017 6:24

Tgt Ion: 136 Resp: 166765

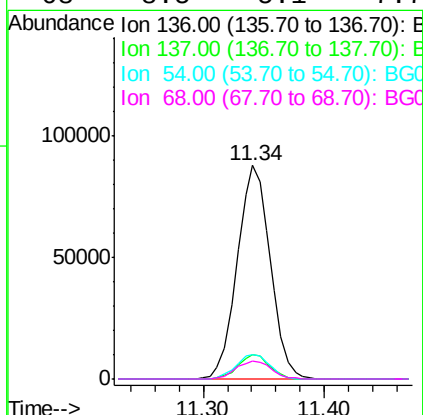
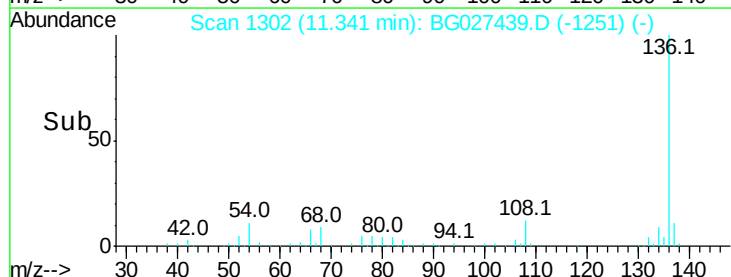
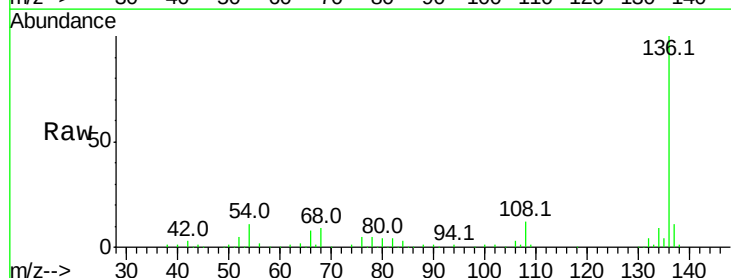
Ion Ratio Lower Upper

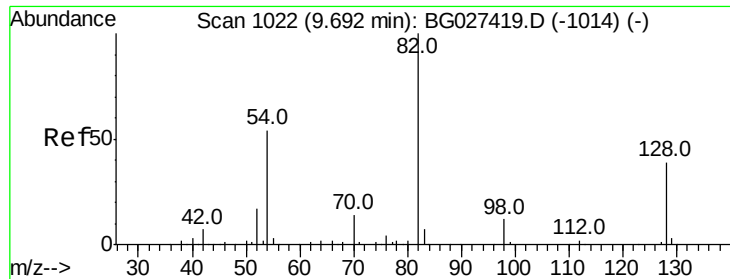
136 100

137 11.5 8.9 13.3

54 11.2 9.3 13.9

68 8.5 5.1 7.7#

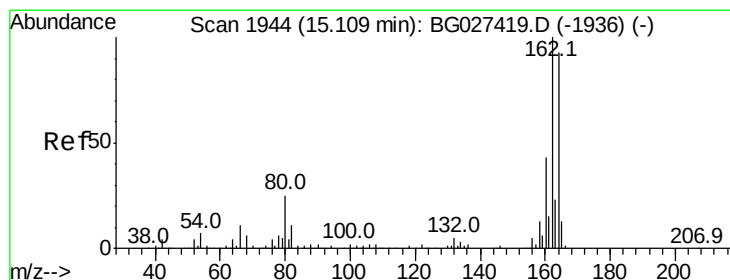
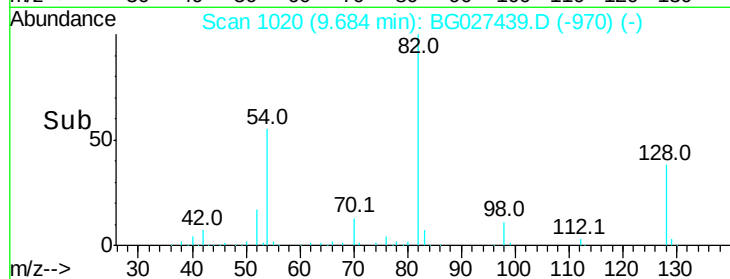
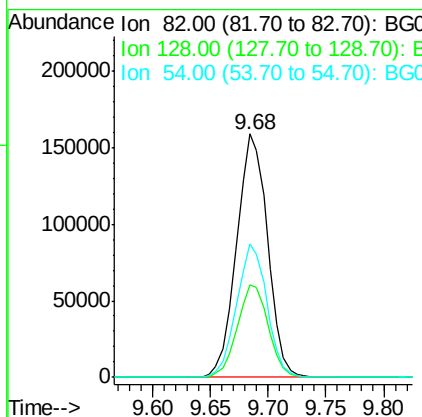
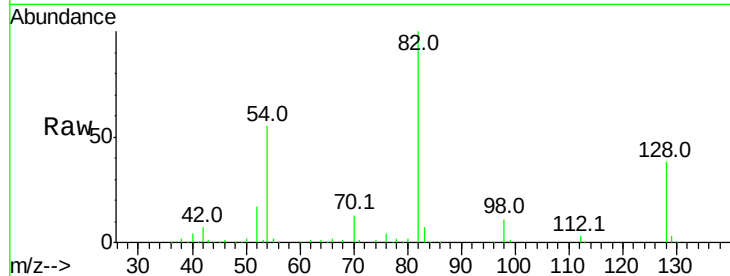




#23
 Nitrobenzene-d5
 Concen: 90.27 ng
 RT: 9.68 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BG027439.D
 Acq: 15 Jun 2017 6:24

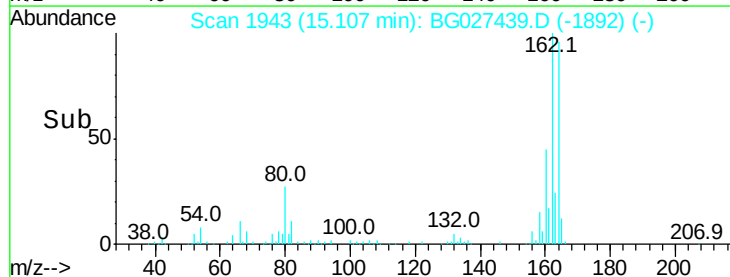
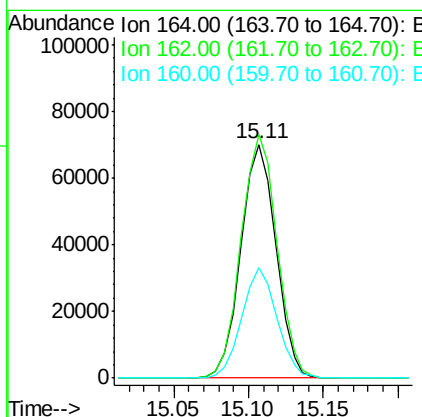
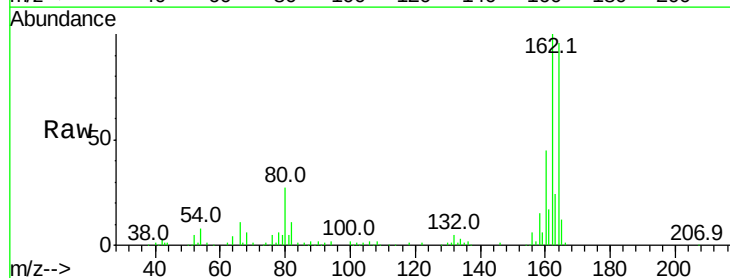
Instrument :
 BNA_G
 ClientSampled :

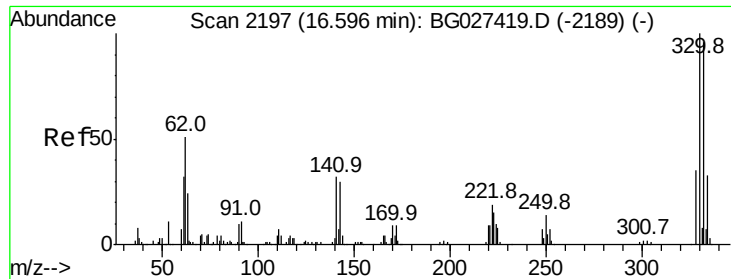
Tot Ion	82	Resp	295277
Ion	Ratio	Lower	Upper
82	100		
128	38.3	26.4	39.6
54	54.8	49.4	74.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: BG027439.D
 Acq: 15 Jun 2017 6:24

Tgt Ion	164	Resp	114209
Ion	Ratio	Lower	Upper
164	100		
162	104.1	85.1	127.7
160	47.2	34.7	52.1





#41

2,4,6-Tribromophenol

Concen: 160.97 ng

RT: 16.59 min Scan# 2196

Delta R.T. -0.00 min

Lab File: BG027439.D

Acq: 15 Jun 2017 6:24

Instrument :

BNA_G

ClientSampled :

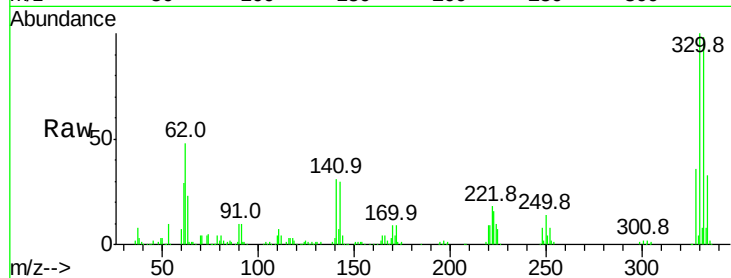
Tot Ion:330 Resp: 275924

Ion Ratio Lower Upper

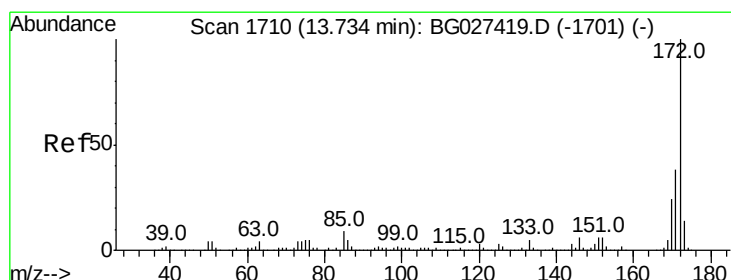
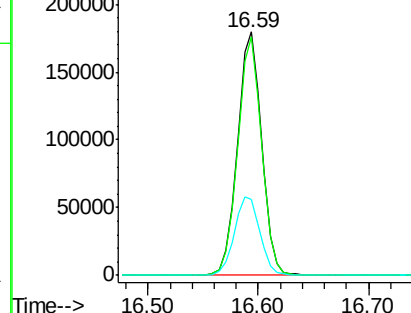
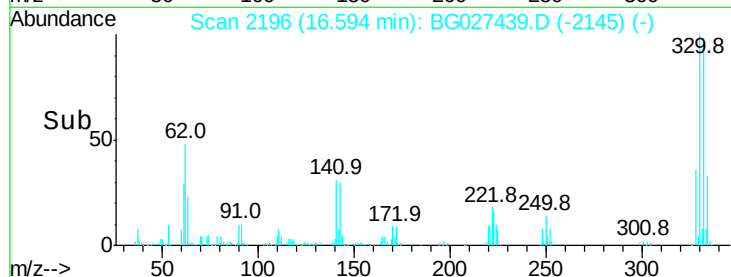
330 100

332 96.9 77.3 115.9

141 33.9 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: 86.92 ng

RT: 13.73 min Scan# 1709

Delta R.T. -0.00 min

Lab File: BG027439.D

Acq: 15 Jun 2017 6:24

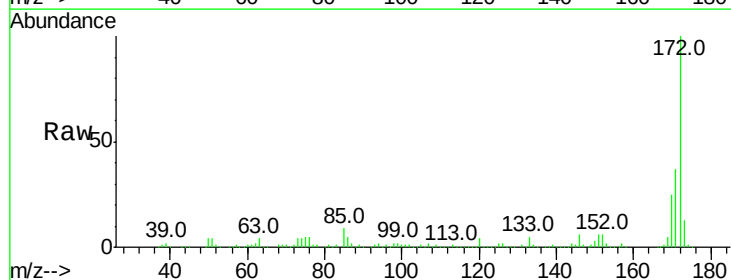
Tgt Ion:172 Resp: 687194

Ion Ratio Lower Upper

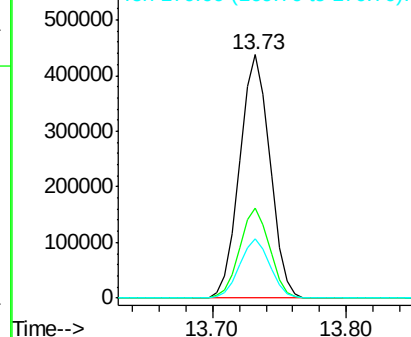
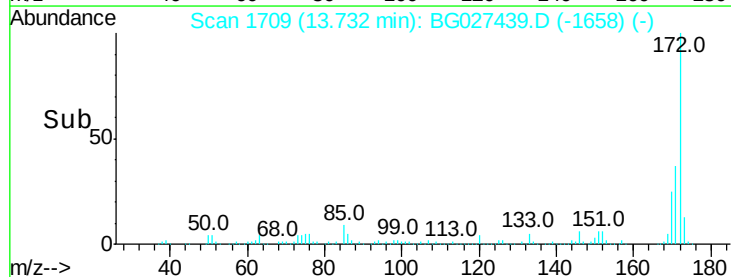
172 100

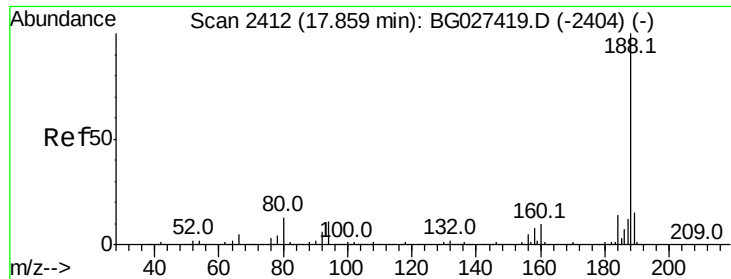
171 37.1 32.2 48.2

170 24.5 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: 17.86 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BG027439.D

Acq: 15 Jun 2017 6:24

Instrument :

BNA_G

ClientSampleId :

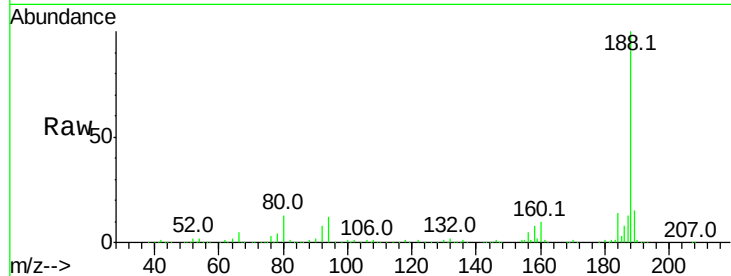
Tot Ion:188 Resp: 339923

Ion Ratio Lower Upper

188 100

94 11.5 5.8 8.8#

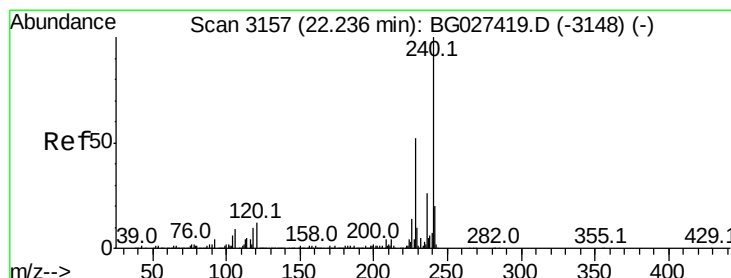
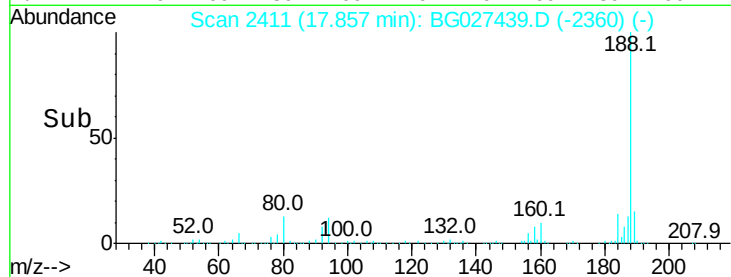
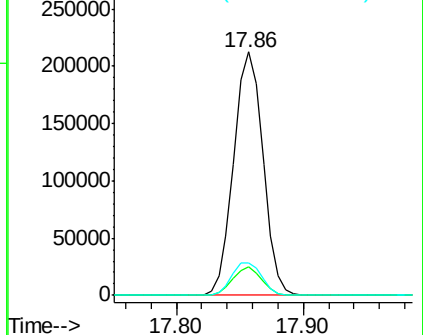
80 13.4 7.5 11.3#



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: 22.23 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG027439.D

Acq: 15 Jun 2017 6:24

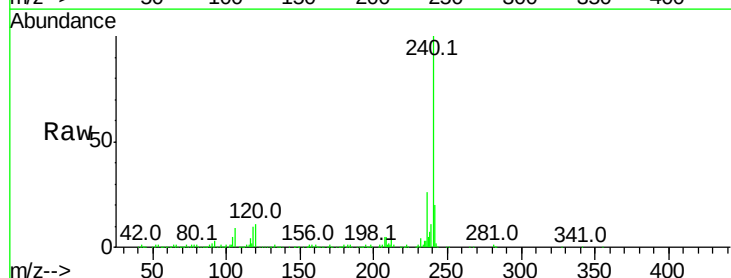
Tgt Ion:240 Resp: 392829

Ion Ratio Lower Upper

240 100

120 11.5 5.7 8.5#

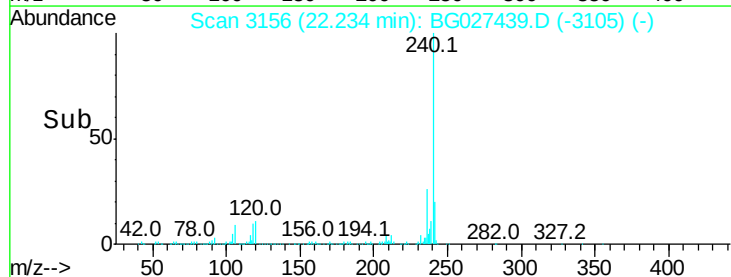
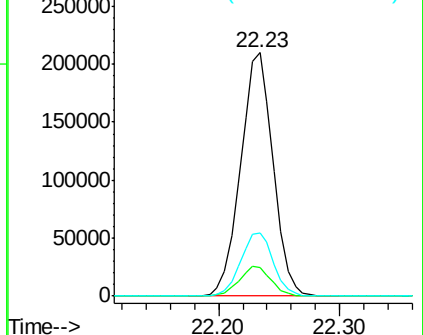
236 26.1 22.2 33.4

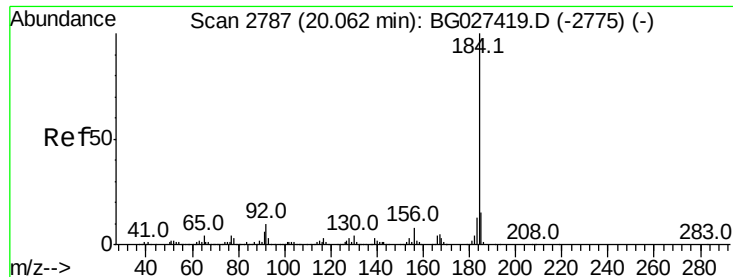


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 195.27 ng

RT: 20.07 min Scan# 2787

Delta R.T. 0.00 min

Lab File: BG027439.D

Acq: 15 Jun 2017 6:24

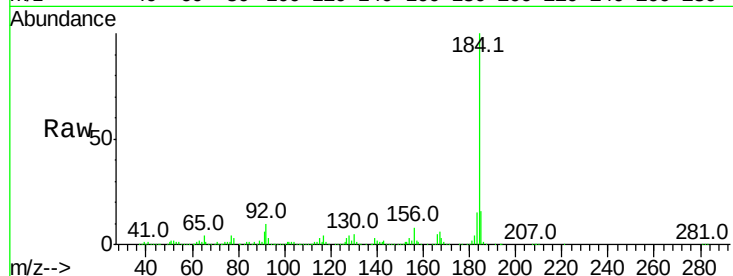
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 1681937

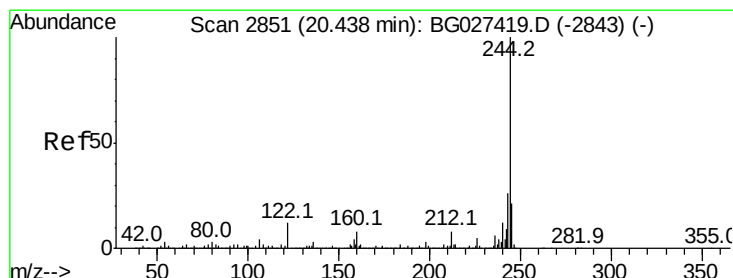
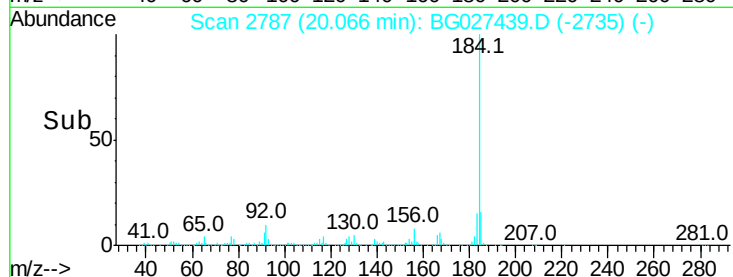
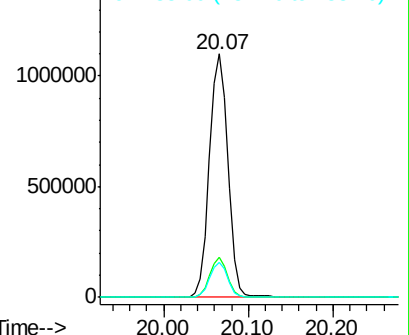
Ion	Ratio	Lower	Upper
184	100		
185	16.4	13.0	19.6
183	14.6	11.0	16.6



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: 96.95 ng

RT: 20.44 min Scan# 2850

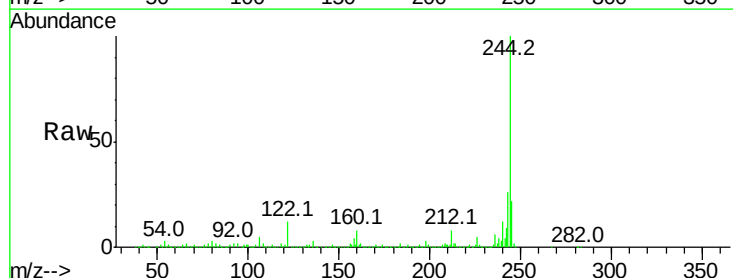
Delta R.T. -0.00 min

Lab File: BG027439.D

Acq: 15 Jun 2017 6:24

Tgt Ion:244 Resp: 1485895

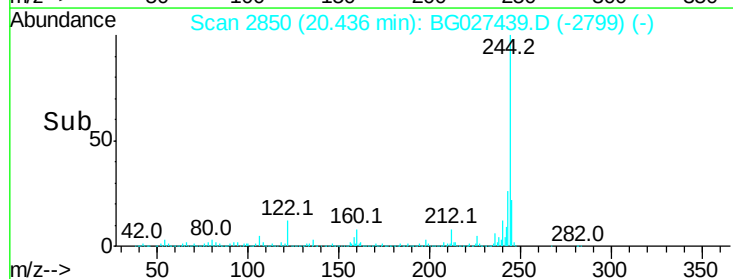
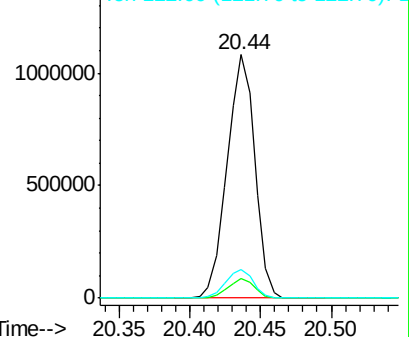
Ion	Ratio	Lower	Upper
244	100		
212	8.2	10.0	15.0#
122	11.9	8.6	12.8

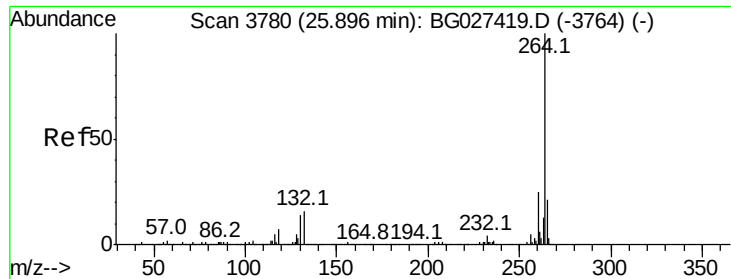


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

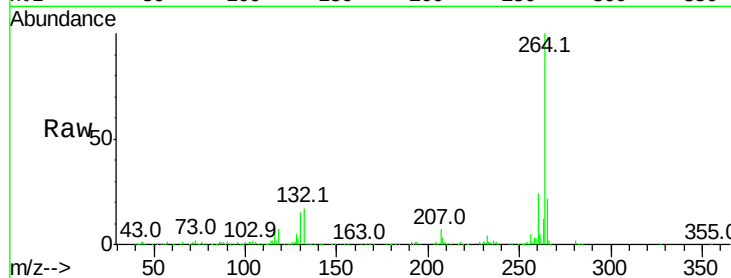




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.88 min Scan# 3777
Delta R.T. -0.01 min
Lab File: BG027439.D
Acq: 15 Jun 2017 6:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	377133
Ion	Ratio	Lower	Upper
264	100		
260	23.8	21.8	32.8
265	21.6	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

