

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070717\
 Data File : BG027867.D
 Acq On : 7 Jul 2017 12:07
 Operator : SJ/JU
 Sample : I4049-03RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 07 13:25:03 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

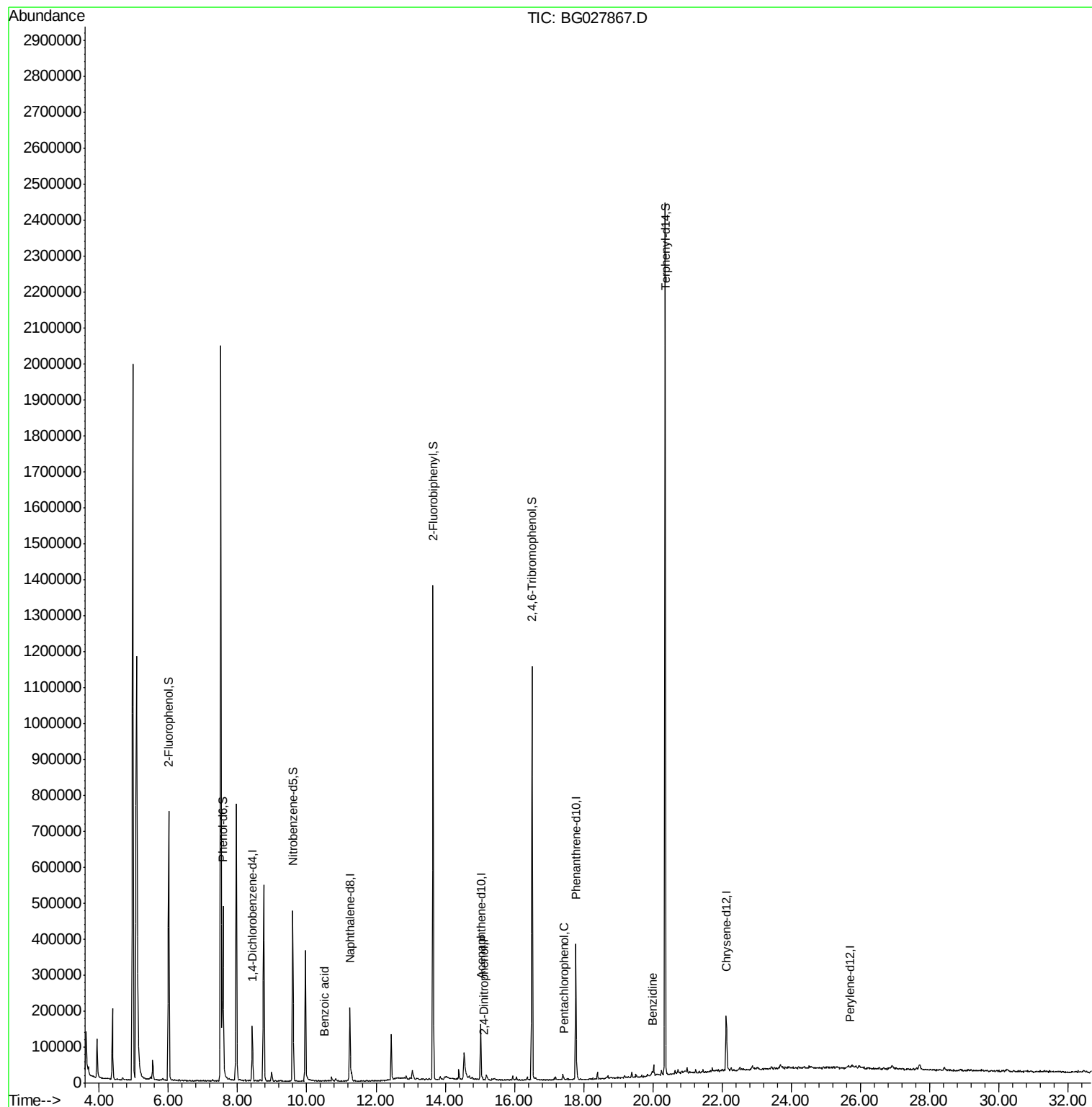
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	46081	20.00	ng	-0.05
21) Naphthalene-d8	11.25	136	185294	20.00	ng	-0.04
38) Acenaphthene-d10	15.03	164	42217	20.00	ng	-0.04
63) Phenanthrene-d10	17.78	188	190540	20.00	ng	-0.04
75) Chrysene-d12	22.12	240	66140	20.00	ng	-0.05
86) Perylene-d12	25.68	264	743	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	6.01	112	331415	110.75	ng	-0.05
7) Phenol-d6	7.58	99	217471	47.57	ng	-0.04
23) Nitrobenzene-d5	9.59	82	298570	89.82	ng	-0.05
41) 2,4,6-Tribromophenol	16.51	330	221754	382.96	ng	-0.04
44) 2-Fluorobiphenyl	13.65	172	744304	251.79	ng	-0.04
78) Terphenyl-d14	20.36	244	842200	298.52	ng	-0.03
Target Compounds						
32) Benzoic acid	10.50	122	232	8.97	ng	# 22
53) 2,4-Dinitrophenol	15.11	184	249	9.09	ng	# 15
69) Pentachlorophenol	17.43	266	378	6.43	ng	# 82
76) Benzidine	19.99	184	10308	9.33	ng	# 94

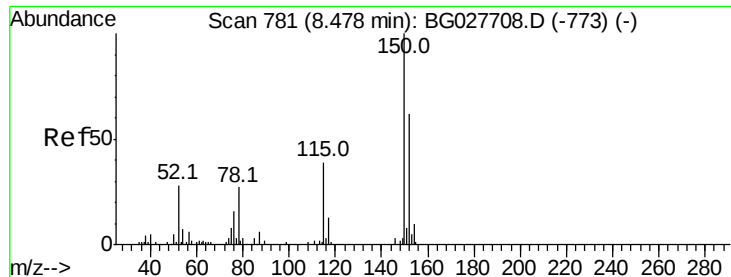
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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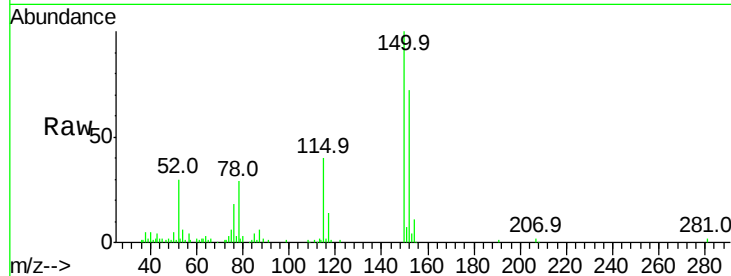


#1

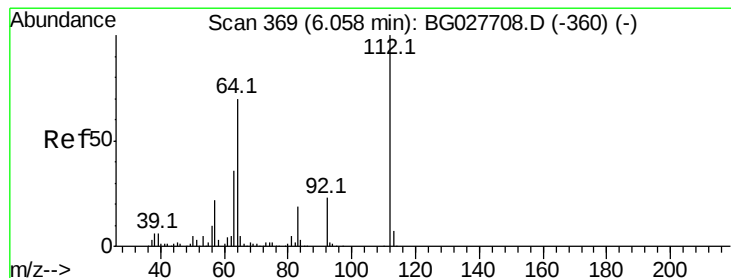
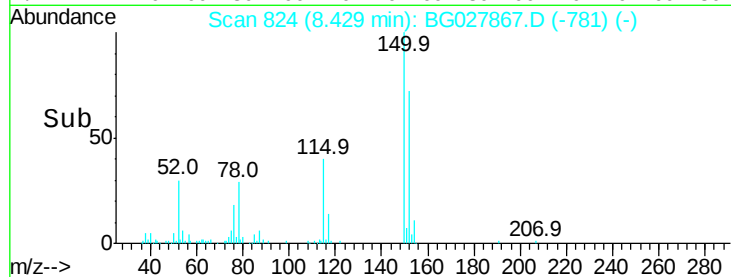
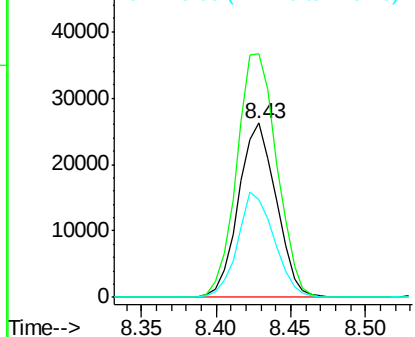
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.43 min Scan# 824
Delta R.T. -0.05 min
Lab File: BG027867.D
Acq: 7 Jul 2017 12:07

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 46081
Ion Ratio Lower Upper
152 100
150 139.7 114.0 171.0
115 55.8 48.1 72.1



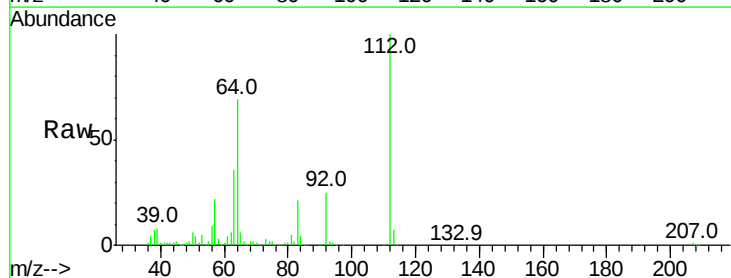
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



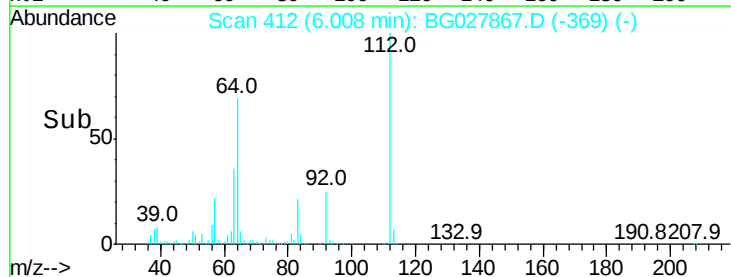
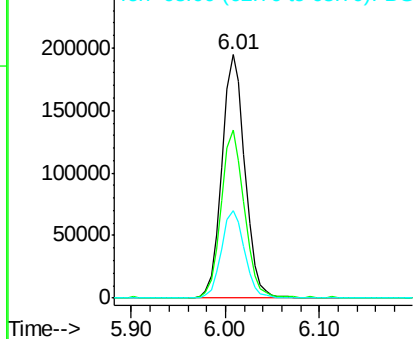
#5

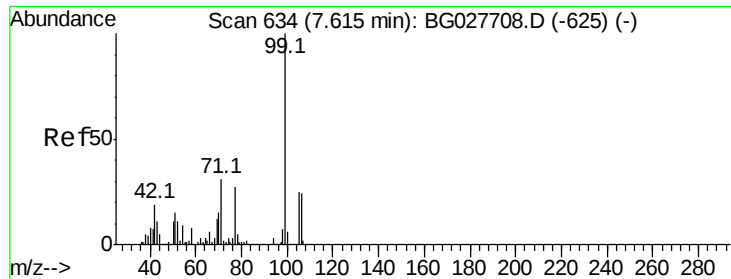
2-Fluorophenol
Concen: 110.75 ng
RT: 6.01 min Scan# 412
Delta R.T. -0.05 min
Lab File: BG027867.D
Acq: 7 Jul 2017 12:07

Tgt Ion:112 Resp: 331415
Ion Ratio Lower Upper
112 100
64 68.9 61.8 92.6
63 36.1 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: 47.57 ng

RT: 7.58 min Scan# 679

Delta R.T. -0.04 min

Lab File: BG027867.D

Acq: 7 Jul 2017 12:07

Instrument :

BNA_G

ClientSampleId :

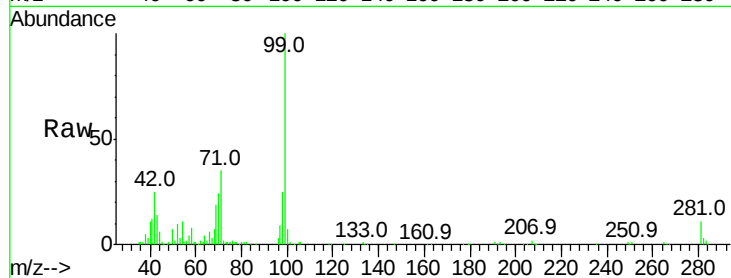
Tot Ion: 99 Resp: 217471

Ion Ratio Lower Upper

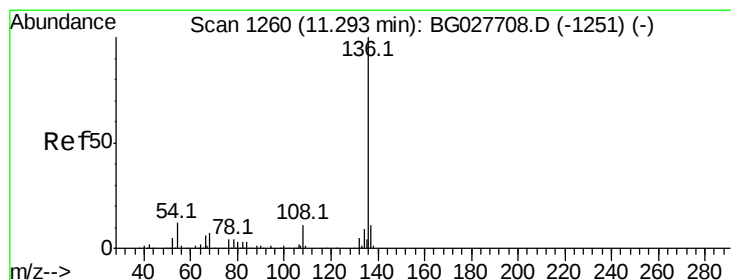
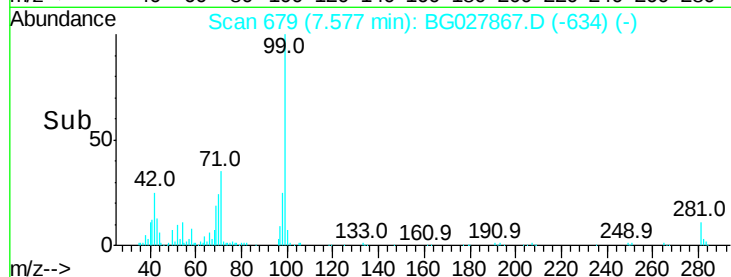
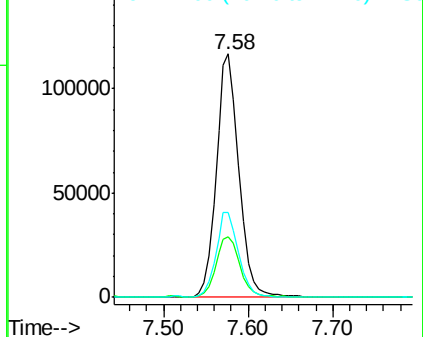
99 100

42 24.7 20.5 30.7

71 35.0 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: 11.25 min Scan# 1304

Delta R.T. -0.04 min

Lab File: BG027867.D

Acq: 7 Jul 2017 12:07

Tgt Ion: 136 Resp: 185294

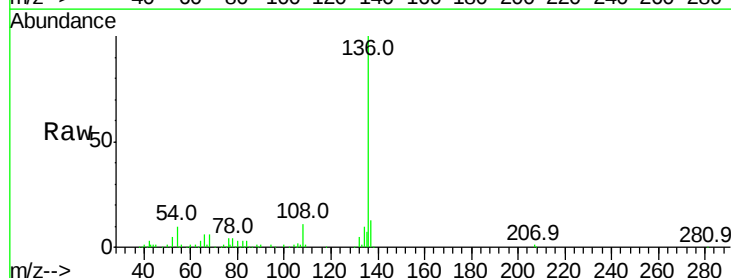
Ion Ratio Lower Upper

136 100

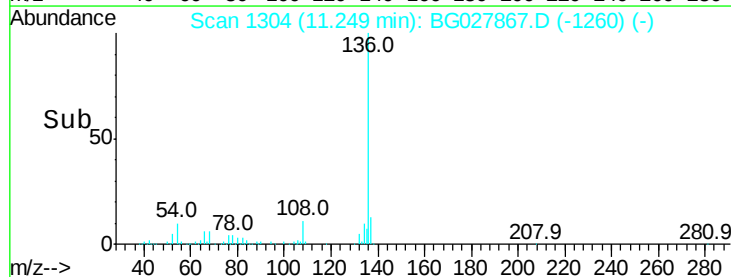
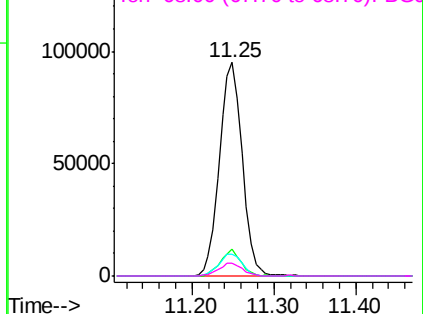
137 12.5 8.9 13.3

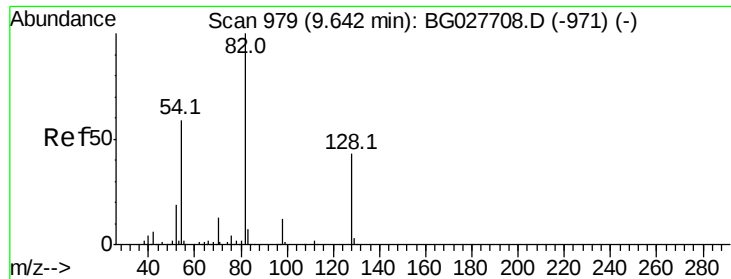
54 10.3 9.3 13.9

68 5.7 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

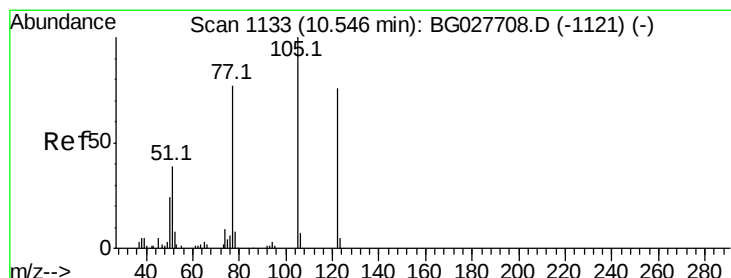
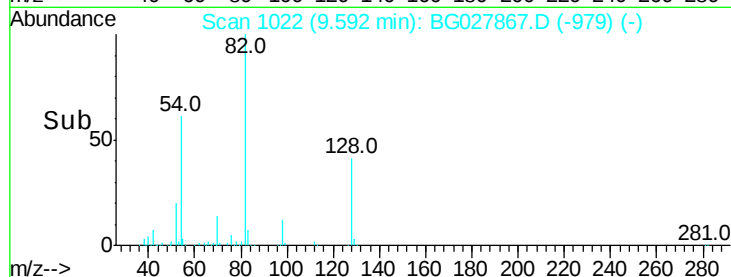
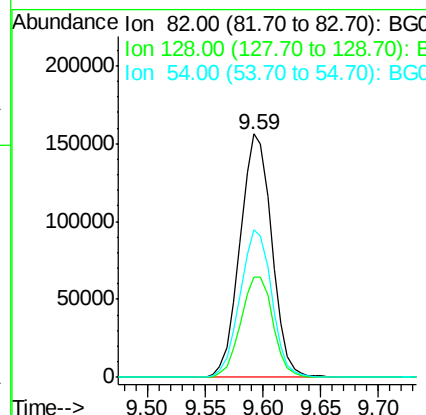
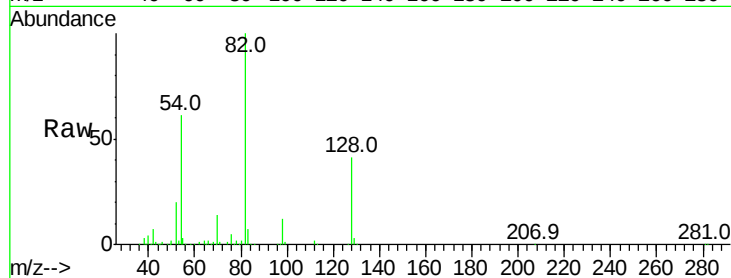




#23
Nitrobenzene-d5
Concen: 89.82 ng
RT: 9.59 min Scan# 1022
Delta R.T. -0.05 min
Lab File: BG027867.D
Acq: 7 Jul 2017 12:07

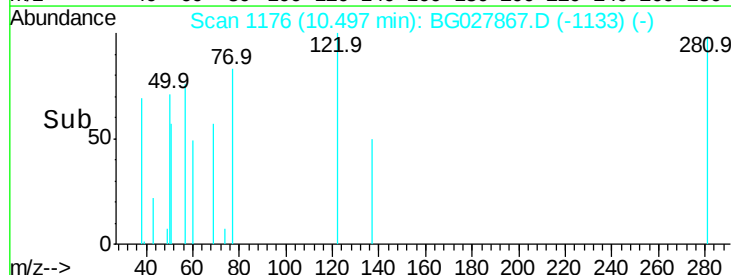
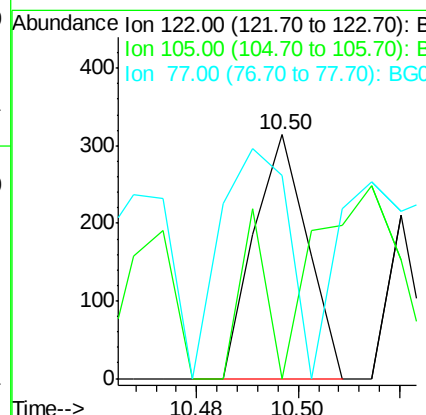
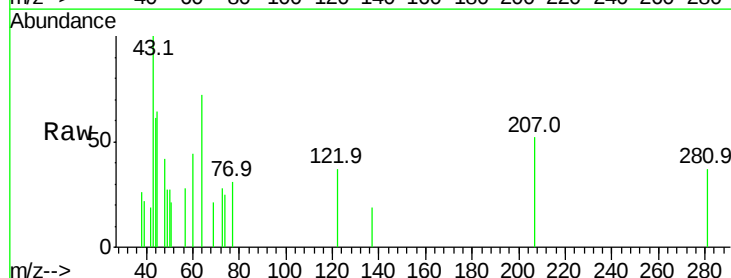
Instrument :
BNA_G
ClientSampleId :

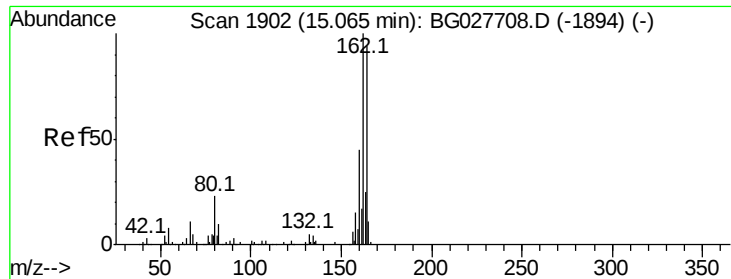
Tot Ion: 82 Resp: 298570
Ion Ratio Lower Upper
82 100
128 41.2 26.4 39.6#
54 60.7 49.4 74.2



#32
Benzoic acid
Concen: 8.97 ng
RT: 10.50 min Scan# 1176
Delta R.T. -0.05 min
Lab File: BG027867.D
Acq: 7 Jul 2017 12:07

Tgt Ion: 122 Resp: 232
Ion Ratio Lower Upper
122 100
105 0.0 120.1 160.1#
77 83.1 104.6 144.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.03 min Scan# 1947

Delta R.T. -0.04 min

Lab File: BG027867.D

Acq: 7 Jul 2017 12:07

Instrument :

BNA_G

ClientSampleId :

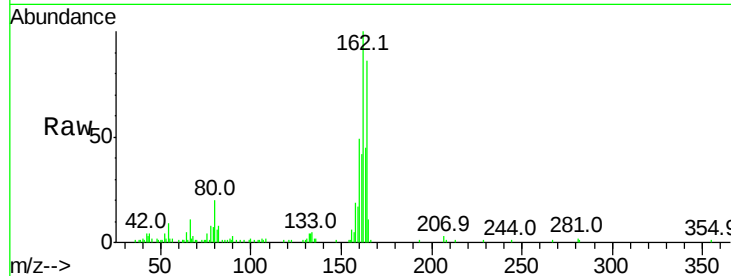
Tot Ion:164 Resp: 42217

Ion Ratio Lower Upper

164 100

162 115.8 85.1 127.7

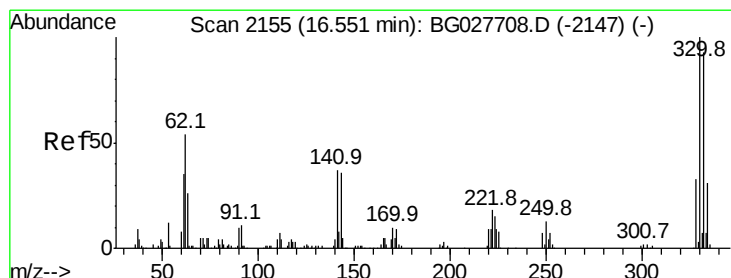
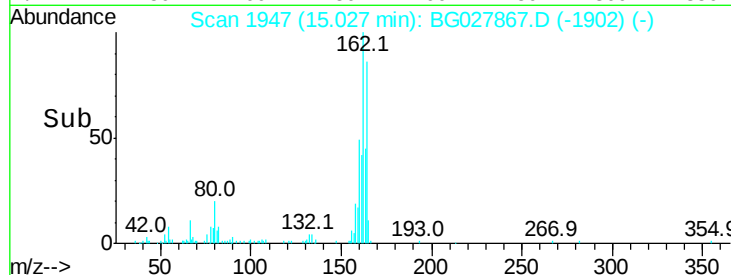
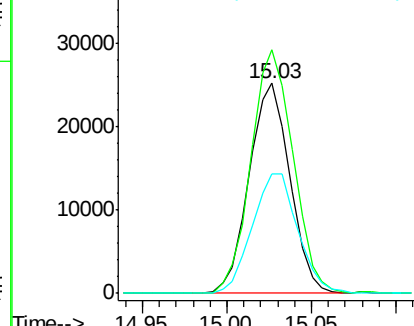
160 56.7 34.7 52.1#



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: 382.96 ng

RT: 16.51 min Scan# 2200

Delta R.T. -0.04 min

Lab File: BG027867.D

Acq: 7 Jul 2017 12:07

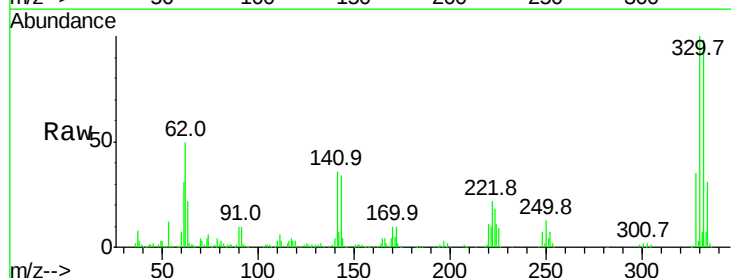
Tgt Ion:330 Resp: 221754

Ion Ratio Lower Upper

330 100

332 96.3 77.3 115.9

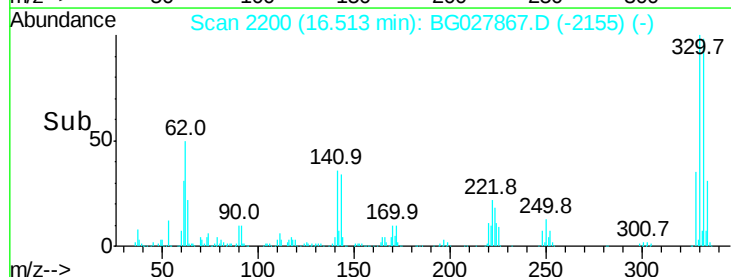
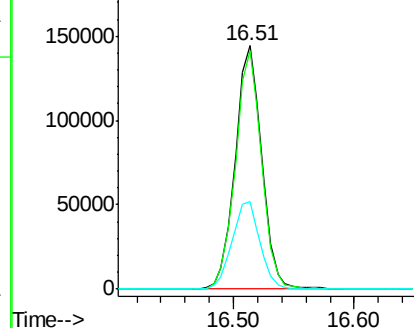
141 38.0 32.1 48.1

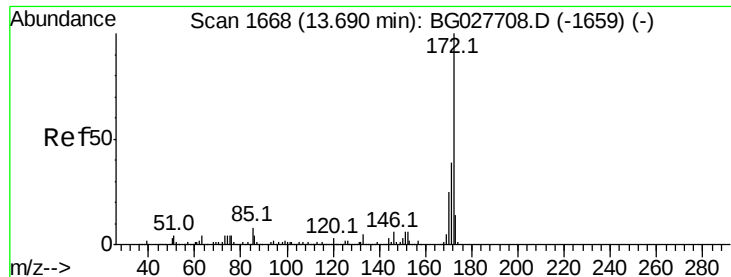


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

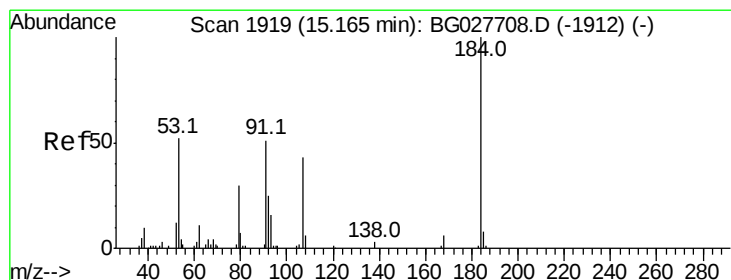
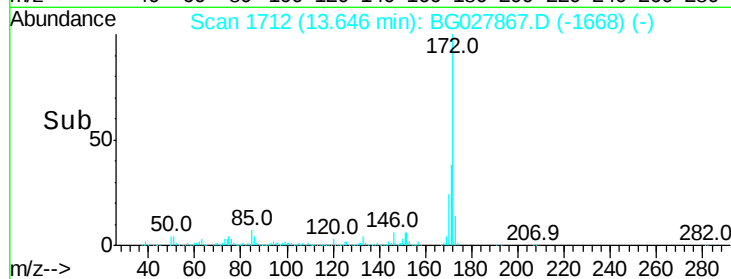
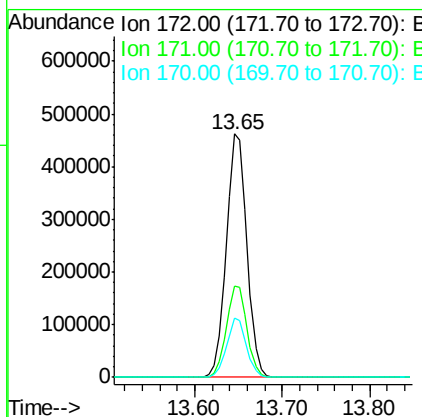
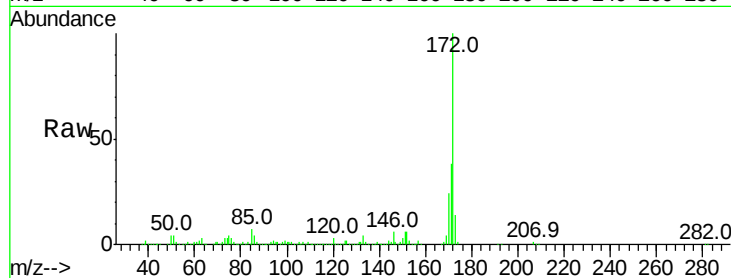




#44
2-Fluorobiphenyl
Concen: 251.79 ng
RT: 13.65 min Scan# 1712
Delta R.T. -0.04 min
Lab File: BG027867.D
Acq: 7 Jul 2017 12:07

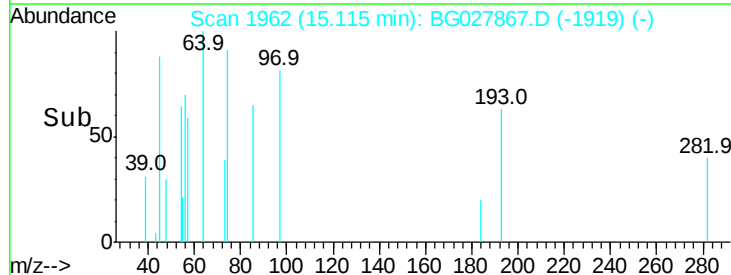
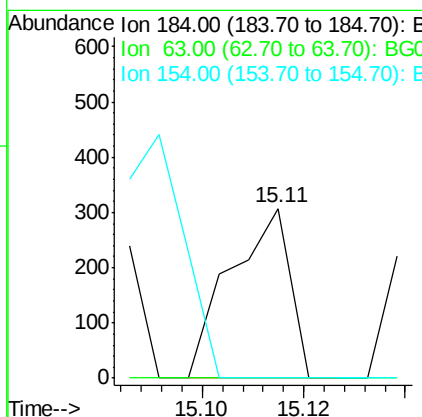
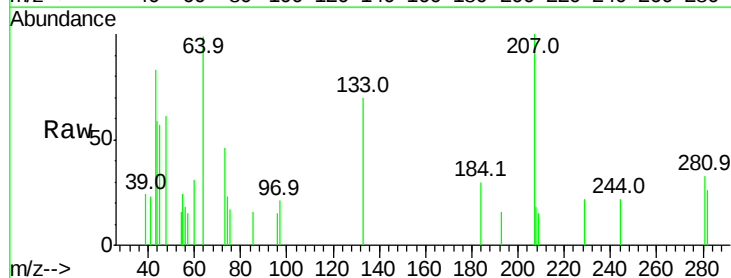
Instrument :
BNA_G
ClientSampleId :

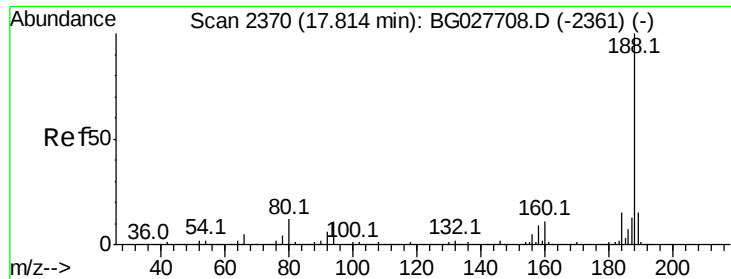
Tot Ion:172 Resp: 744304
Ion Ratio Lower Upper
172 100
171 37.6 32.2 48.2
170 24.3 21.8 32.6



#53
2,4-Dinitrophenol
Concen: 9.09 ng
RT: 15.11 min Scan# 1962
Delta R.T. -0.05 min
Lab File: BG027867.D
Acq: 7 Jul 2017 12:07

Tgt Ion:184 Resp: 249
Ion Ratio Lower Upper
184 100
63 0.0 52.7 79.1#
154 0.0 57.3 85.9#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.78 min Scan# 2415

Delta R.T. -0.04 min

Lab File: BG027867.D

Acq: 7 Jul 2017 12:07

Instrument :

BNA_G

ClientSampleId :

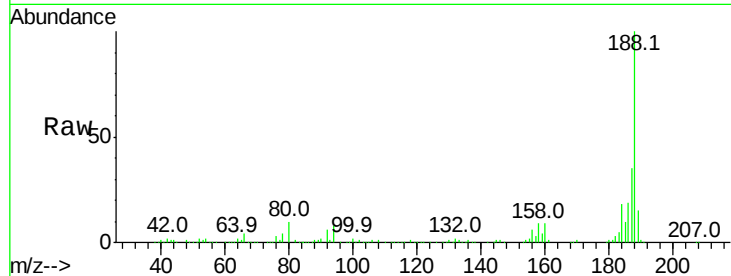
Tot Ion:188 Resp: 190540

Ion Ratio Lower Upper

188 100

94 8.4 5.8 8.8

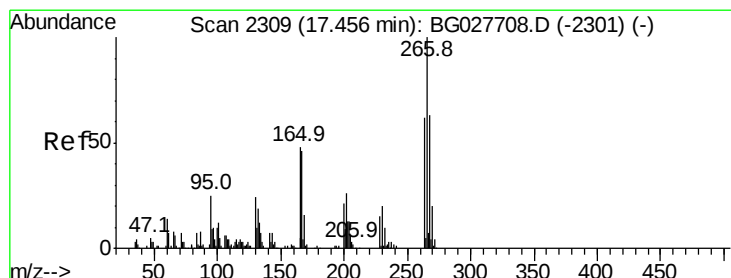
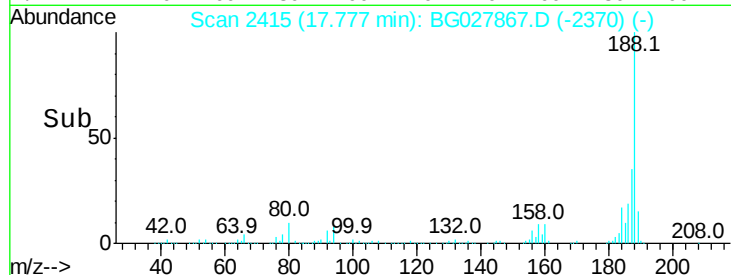
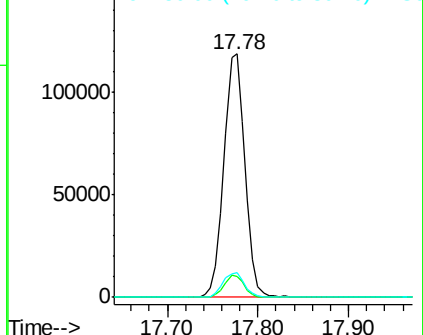
80 10.1 7.5 11.3



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



#69

Pentachlorophenol

Concen: 6.43 ng

RT: 17.43 min Scan# 2356

Delta R.T. -0.03 min

Lab File: BG027867.D

Acq: 7 Jul 2017 12:07

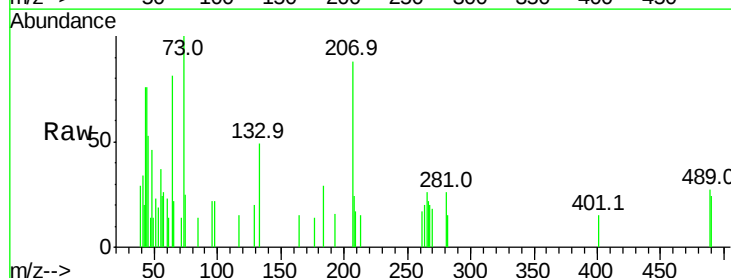
Tgt Ion:266 Resp: 378

Ion Ratio Lower Upper

266 100

268 76.3 48.6 72.8#

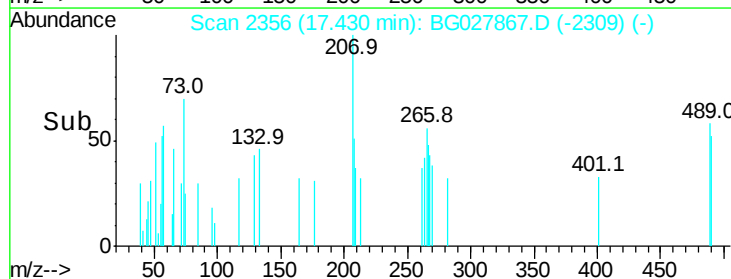
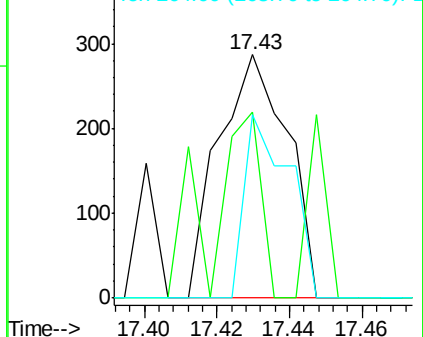
264 75.3 50.1 75.1#

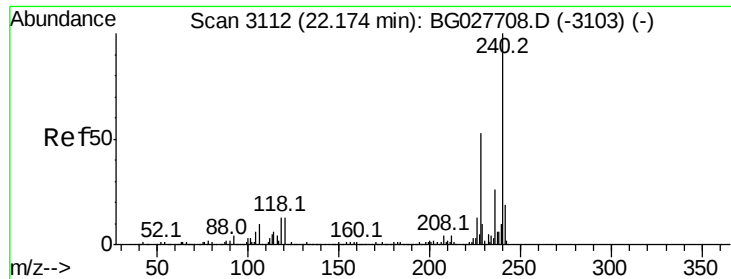


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.12 min Scan# 3155

Delta R.T. -0.05 min

Lab File: BG027867.D

Acq: 7 Jul 2017 12:07

Instrument :

BNA_G

ClientSampleId :

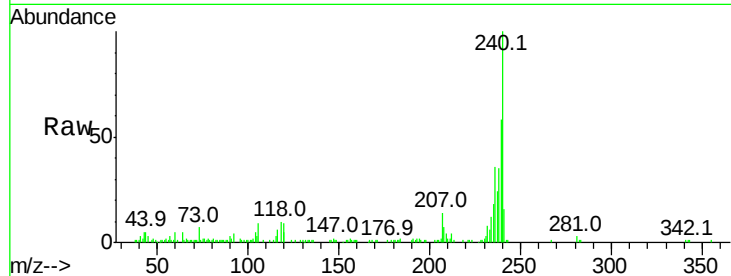
Tot Ion:240 Resp: 66140

Ion Ratio Lower Upper

240 100

120 8.6 5.7 8.5#

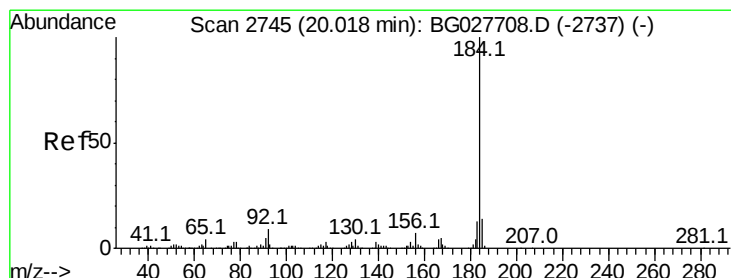
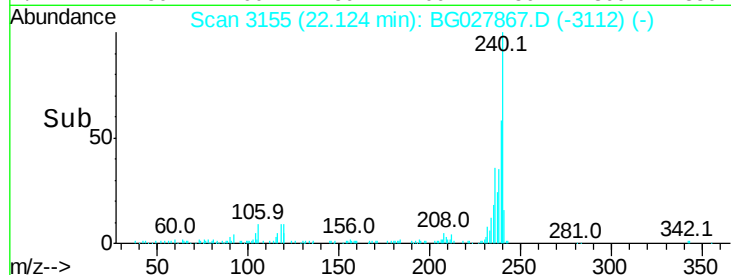
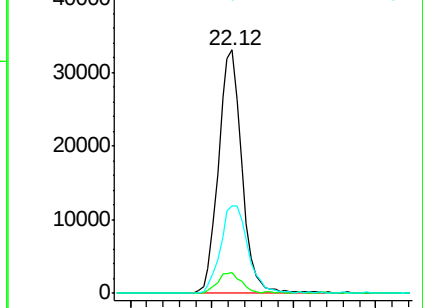
236 35.7 22.2 33.4#



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: 9.33 ng

RT: 19.99 min Scan# 2792

Delta R.T. -0.03 min

Lab File: BG027867.D

Acq: 7 Jul 2017 12:07

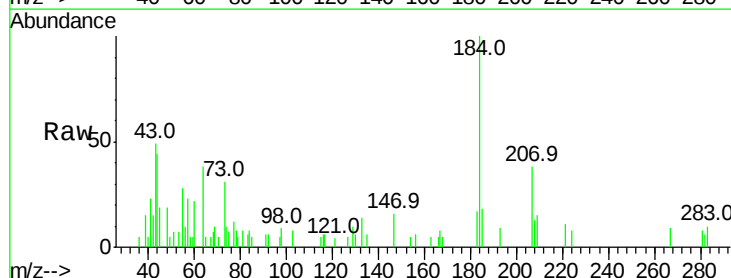
Tgt Ion:184 Resp: 10308

Ion Ratio Lower Upper

184 100

185 17.6 13.0 19.6

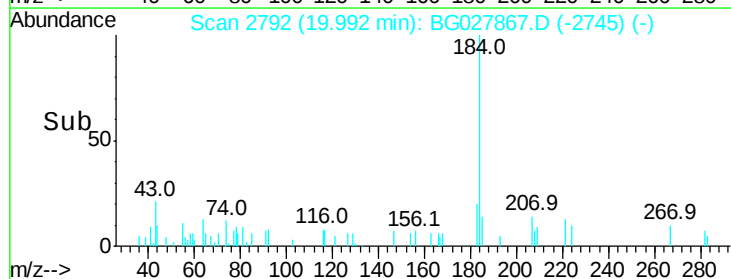
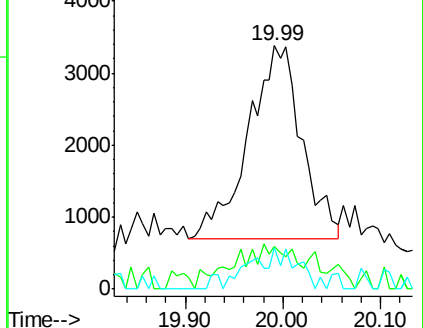
183 17.2 11.0 16.6#

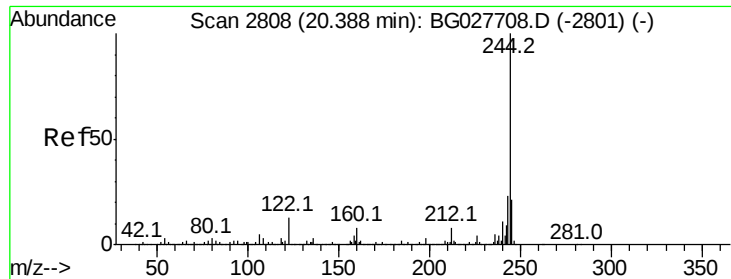


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

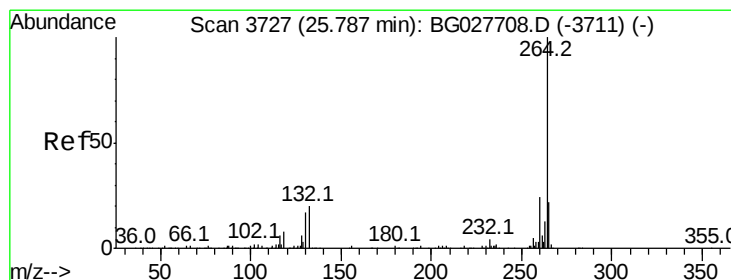
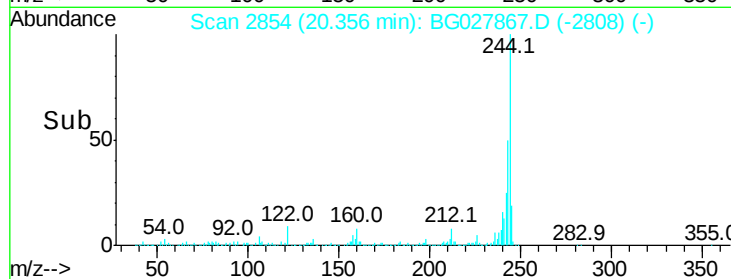
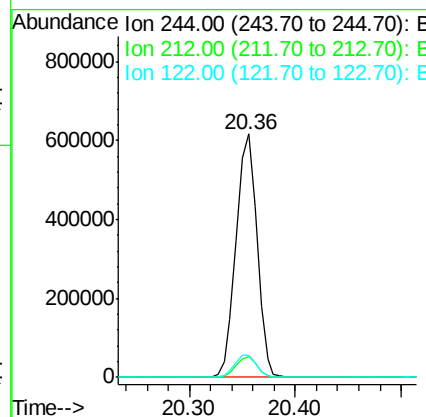
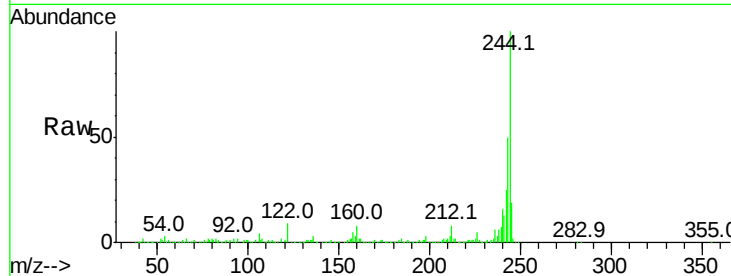




#78
 Terphenyl-d14
 Concen: 298.52 ng
 RT: 20.36 min Scan# 2854
 Delta R.T. -0.03 min
 Lab File: BG027867.D
 Acq: 7 Jul 2017 12:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.4	10.0	15.0#
122	9.0	8.6	12.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.68 min Scan# 3760
 Delta R.T. -0.11 min
 Lab File: BG027867.D
 Acq: 7 Jul 2017 12:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	0.0	21.8	32.8#
265	63.0	18.2	27.4#

