

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092517\
 Data File : BG028927.D
 Acq On : 26 Sep 2017 3:53
 Operator : SJ/JU
 Sample : I5394-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 26 05:57:00 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

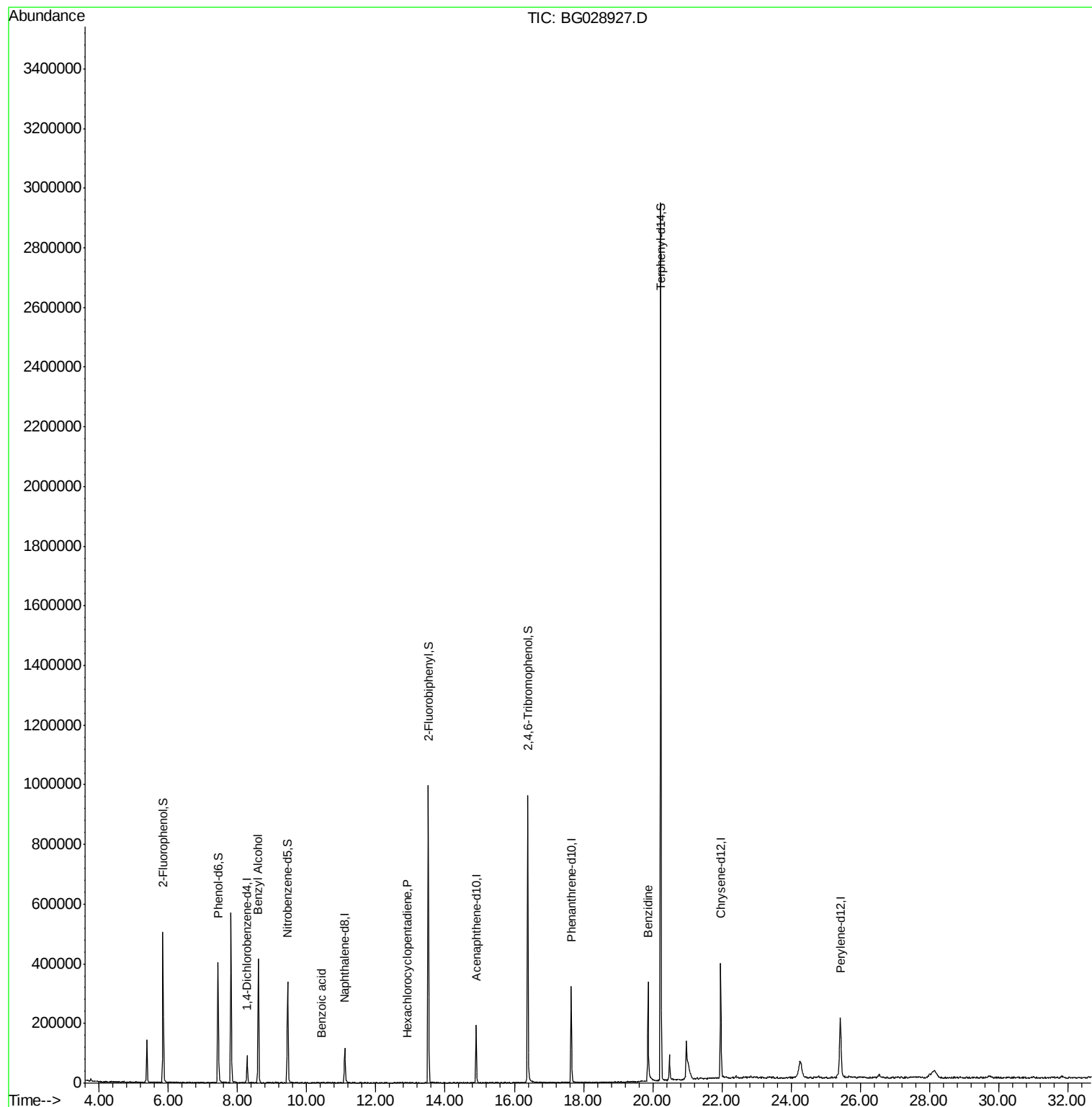
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	25364	20.00	ng	-0.04
21) Naphthalene-d8	11.10	136	100939	20.00	ng	-0.05
38) Acenaphthene-d10	14.90	164	69683	20.00	ng	-0.05
63) Phenanthrene-d10	17.64	188	216869	20.00	ng	-0.05
75) Chrysene-d12	21.96	240	267388	20.00	ng	-0.07
86) Perylene-d12	25.42	264	275616	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	223589	145.46	ng	-0.06
7) Phenol-d6	7.44	99	258642	111.75	ng	-0.05
23) Nitrobenzene-d5	9.45	82	228244	108.17	ng	-0.06
41) 2,4,6-Tribromophenol	16.39	330	214302	185.94	ng	-0.05
44) 2-Fluorobiphenyl	13.51	172	557377	106.66	ng	-0.05
78) Terphenyl-d14	20.24	244	1369093	109.19	ng	-0.04
Target Compounds						
15) Benzyl Alcohol	8.61	79	4155	2.30	ng	# 48
32) Benzoic acid	10.44	122	86	6.14	ng	# 1
40) Hexachlorocyclopentadiene	12.91	237	59	7.65	ng	# 29
76) Benzidine	19.87	184	251482	36.27	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.29 min Scan# 799

Delta R.T. -0.04 min

Lab File: BG028927.D

Acq: 26 Sep 2017 3:53

Instrument :

BNA_G

ClientSampleId :

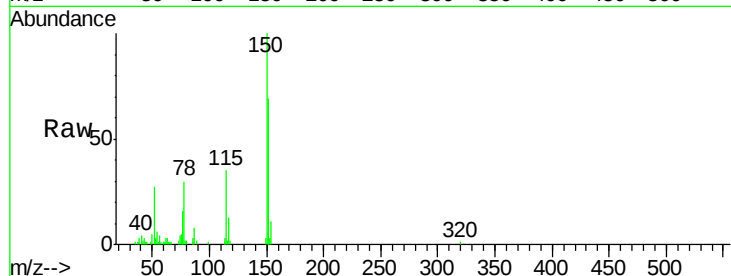
Tot Ion:152 Resp: 25364

Ion Ratio Lower Upper

152 100

150 144.1 114.0 171.0

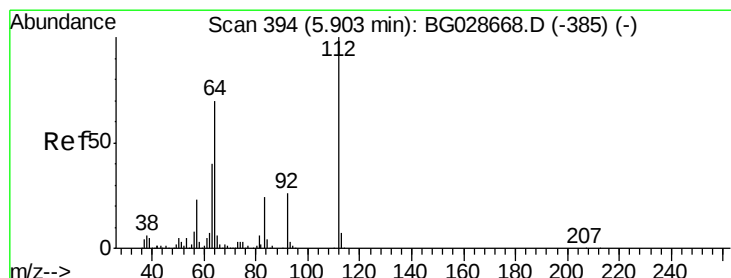
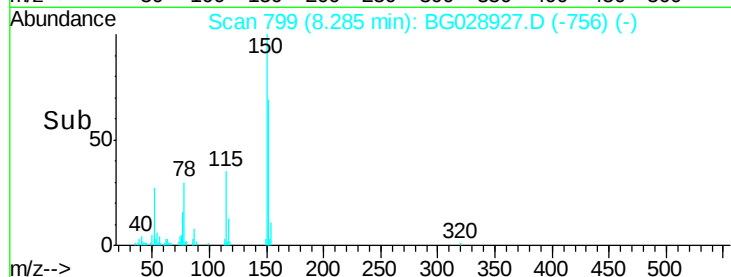
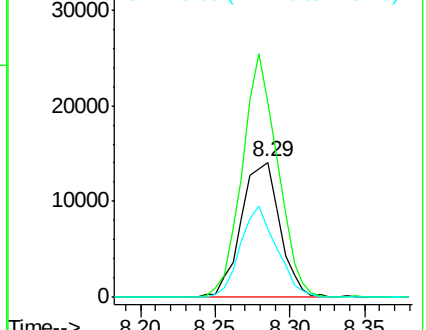
115 50.5 48.1 72.1



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: 145.46 ng

RT: 5.85 min Scan# 384

Delta R.T. -0.06 min

Lab File: BG028927.D

Acq: 26 Sep 2017 3:53

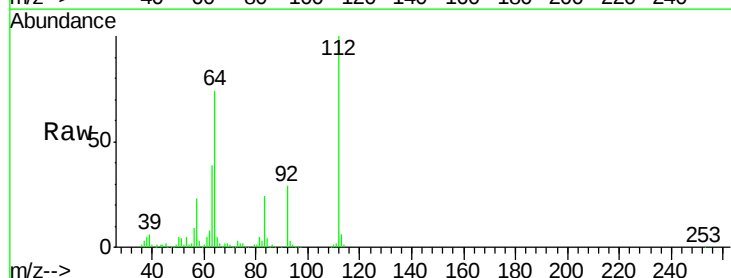
Tgt Ion:112 Resp: 223589

Ion Ratio Lower Upper

112 100

64 73.5 61.8 92.6

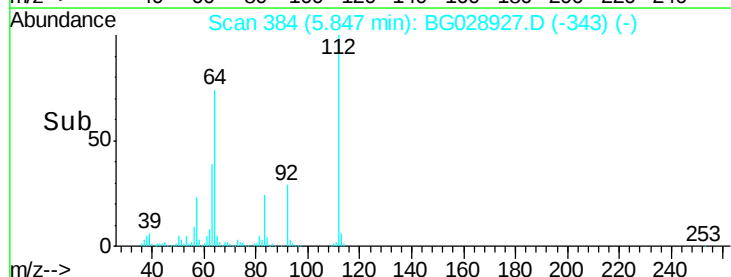
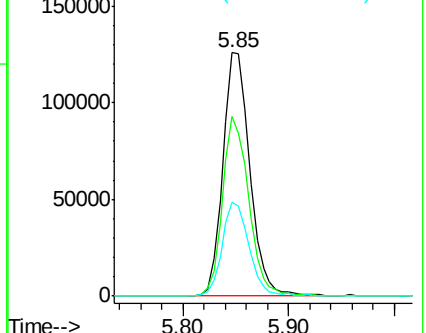
63 38.5 37.2 55.8

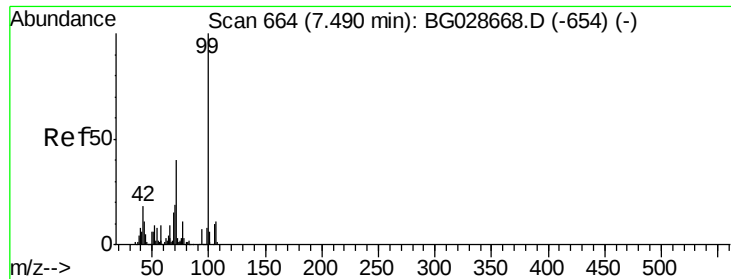


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 111.75 ng

RT: 7.44 min Scan# 655

Delta R.T. -0.05 min

Lab File: BG028927.D

Acq: 26 Sep 2017 3:53

Instrument :

BNA_G

ClientSampleId :

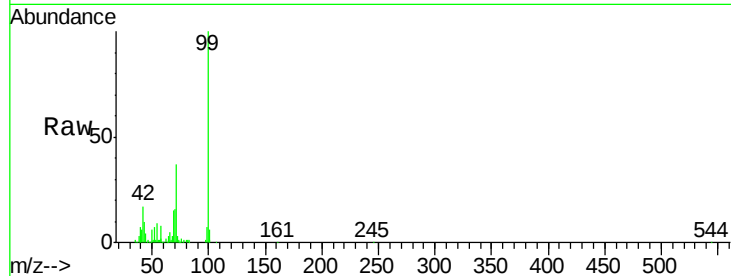
Tot Ion: 99 Resp: 258642

Ion Ratio Lower Upper

99 100

42 17.1 20.5 30.7#

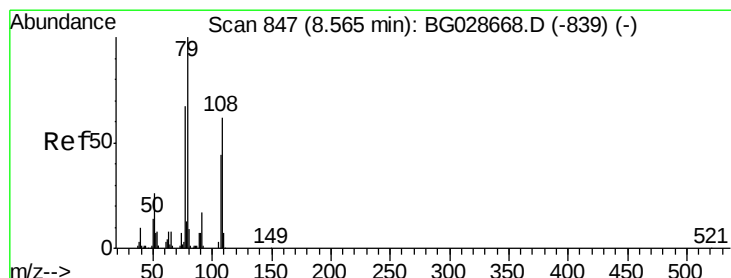
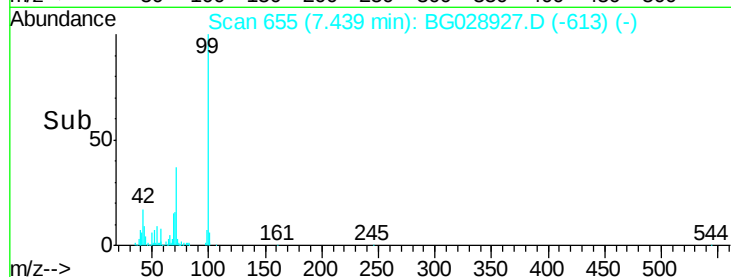
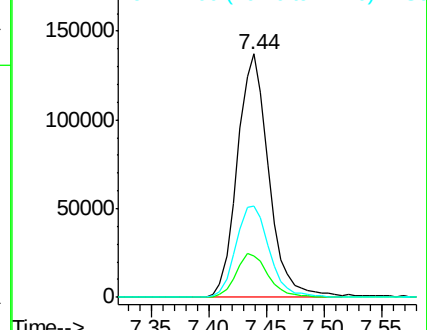
71 37.3 37.6 56.4#



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



#15

Benzyl Alcohol

Concen: 2.30 ng

RT: 8.61 min Scan# 854

Delta R.T. 0.04 min

Lab File: BG028927.D

Acq: 26 Sep 2017 3:53

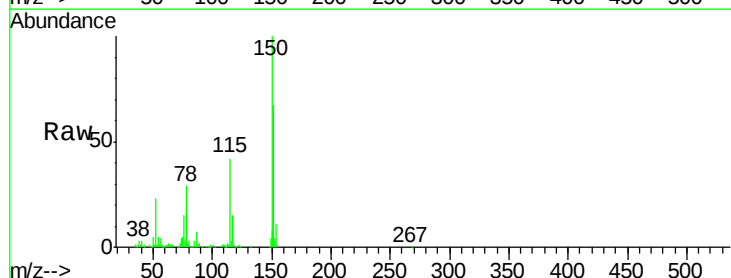
Tgt Ion: 79 Resp: 4155

Ion Ratio Lower Upper

79 100

108 29.5 45.5 68.3#

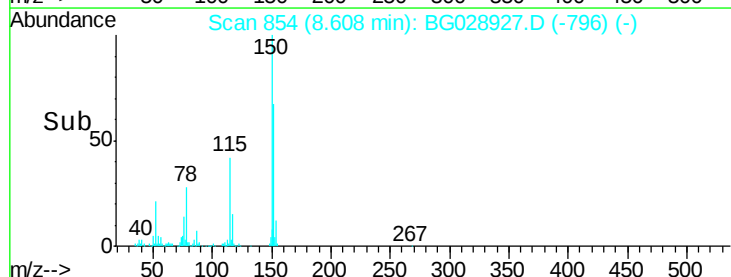
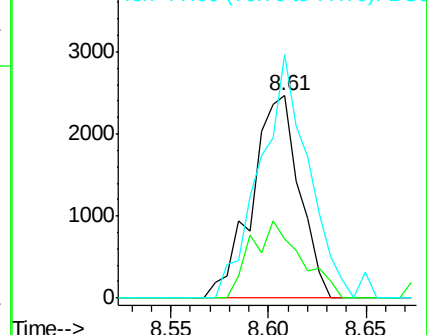
77 120.4 54.3 81.5#

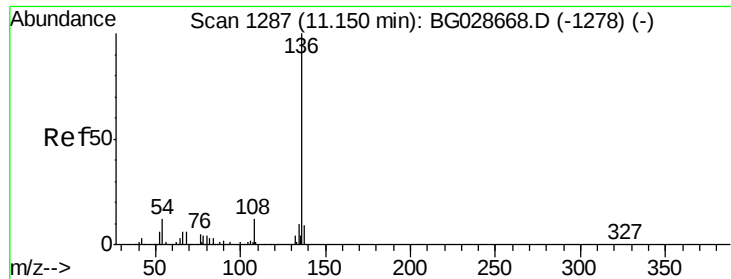


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

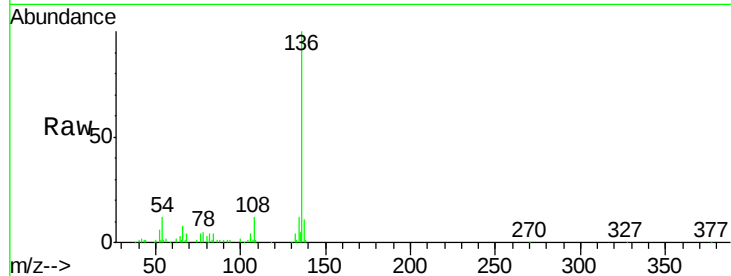




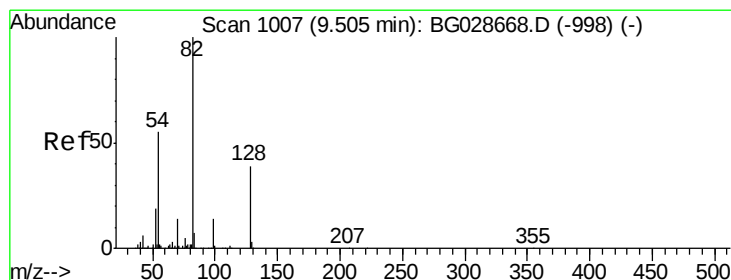
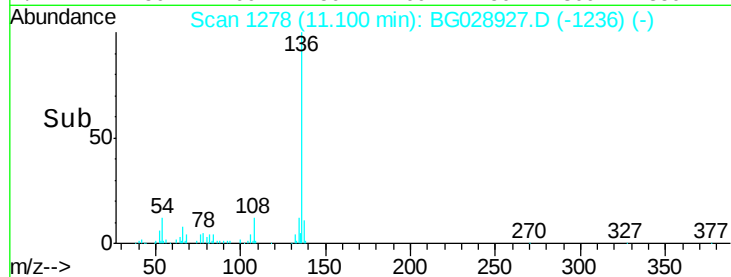
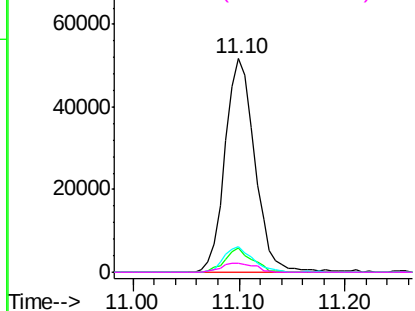
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.10 min Scan# 1278
Delta R.T. -0.05 min
Lab File: BG028927.D
Acq: 26 Sep 2017 3:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	100939
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	12.1	9.3	13.9
68	3.9	5.1	7.7#

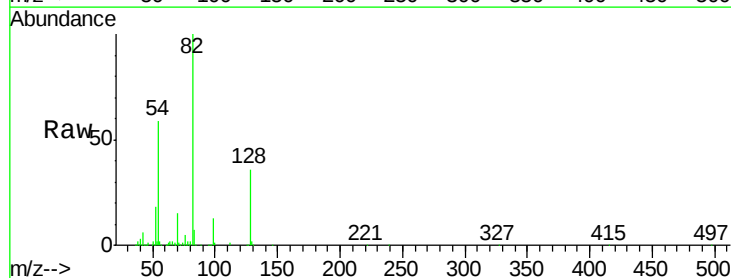


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

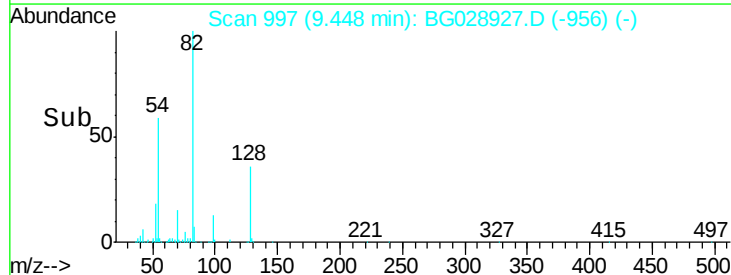
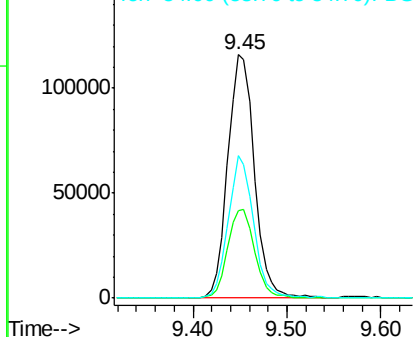


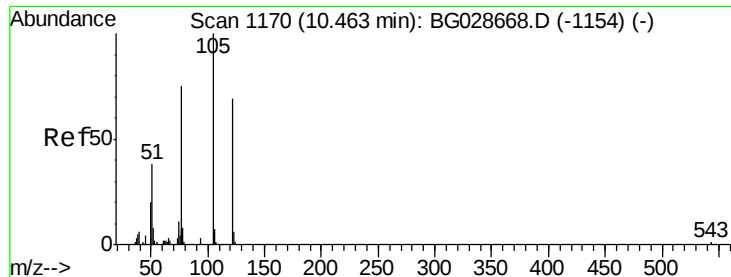
#23
Nitrobenzene-d5
Concen: 108.17 ng
RT: 9.45 min Scan# 997
Delta R.T. -0.06 min
Lab File: BG028927.D
Acq: 26 Sep 2017 3:53

Tgt Ion:	82	Resp:	228244
Ion	Ratio	Lower	Upper
82	100		
128	35.7	26.4	39.6
54	58.5	49.4	74.2



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 6.14 ng

RT: 10.44 min Scan# 1166

Delta R.T. -0.02 min

Lab File: BG028927.D

Acq: 26 Sep 2017 3:53

Instrument :

BNA_G

ClientSampleId :

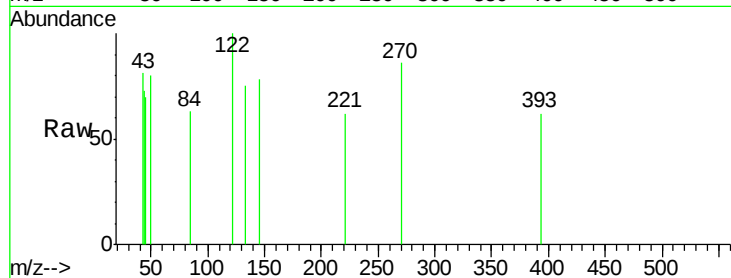
Tot Ion:122 Resp: 86

Ion Ratio Lower Upper

122 100

105 0.0 120.1 160.1#

77 0.0 104.6 144.6#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B

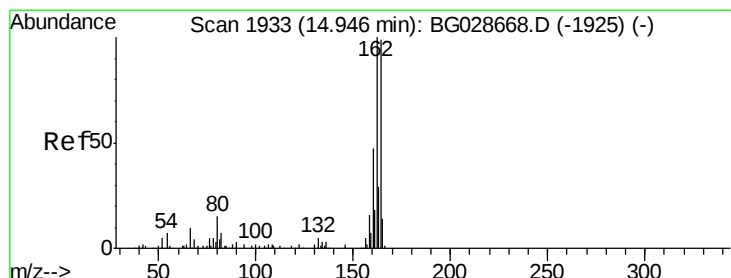
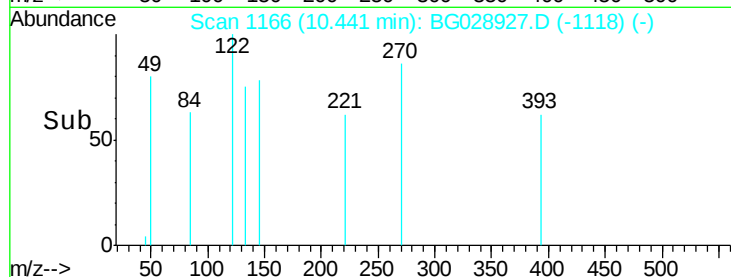
10.44

200

100

0

Time--> 10.42 10.44 10.46



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.90 min Scan# 1924

Delta R.T. -0.05 min

Lab File: BG028927.D

Acq: 26 Sep 2017 3:53

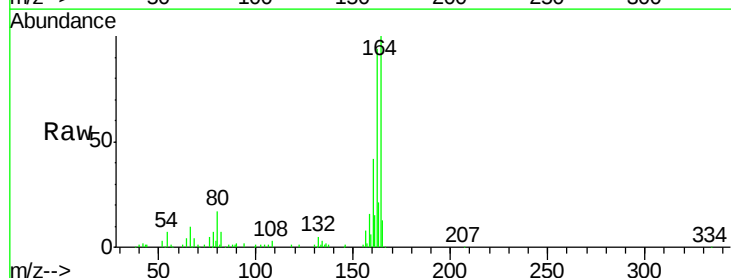
Tgt Ion:164 Resp: 69683

Ion Ratio Lower Upper

164 100

162 93.9 85.1 127.7

160 41.5 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

14.90

60000

50000

40000

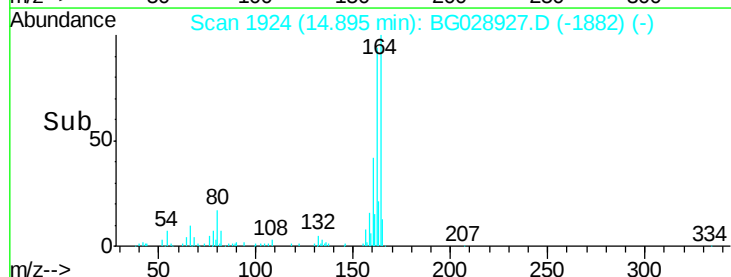
30000

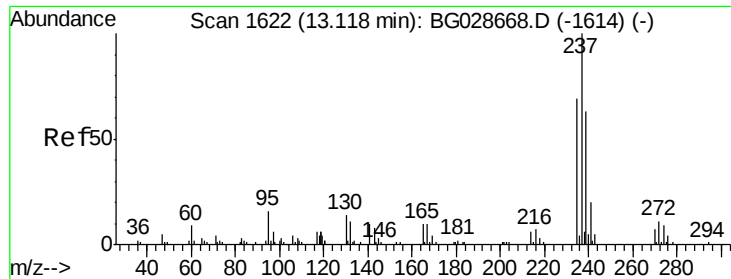
20000

10000

0

Time--> 14.80 14.90 15.00

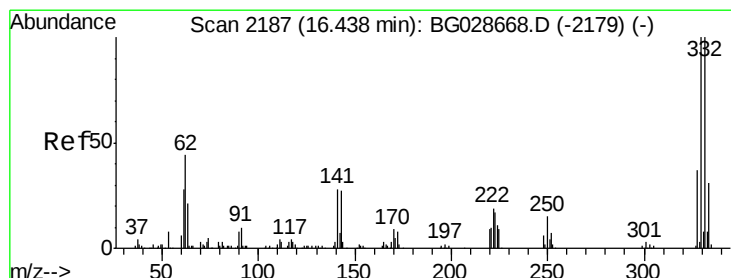
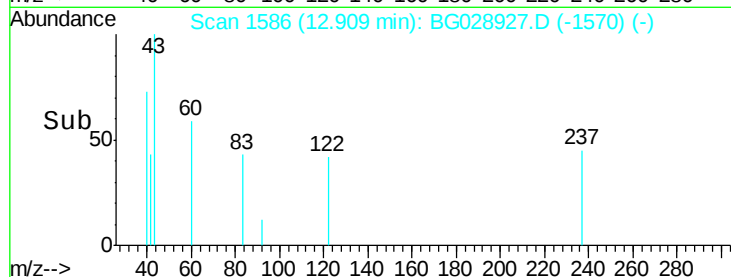
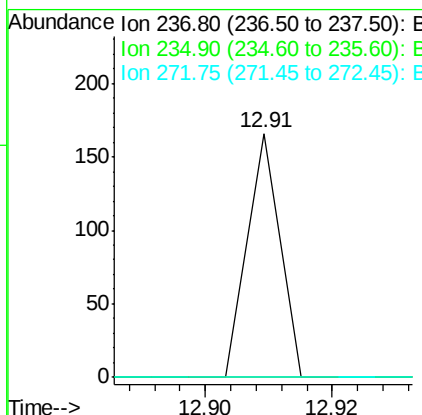
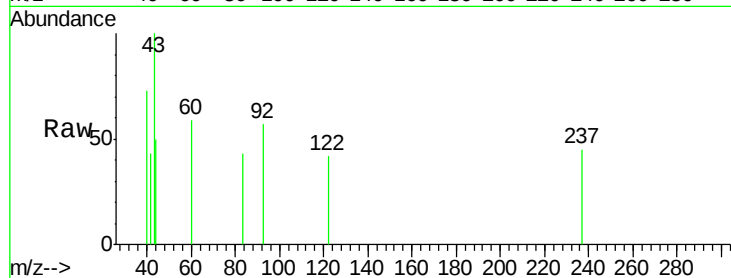




#40
Hexachlorocyclopentadiene
Concen: 7.65 ng
RT: 12.91 min Scan# 1586
Delta R.T. -0.21 min
Lab File: BG028927.D
Acq: 26 Sep 2017 3:53

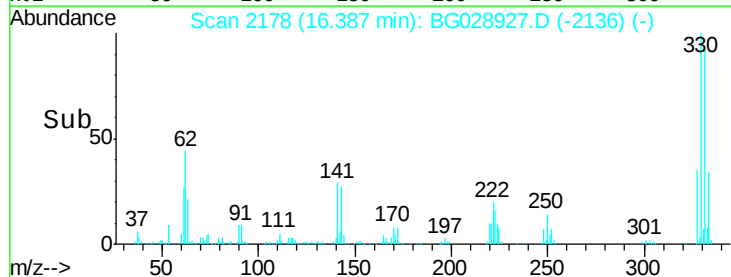
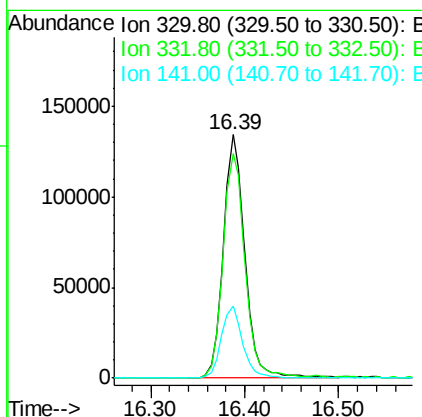
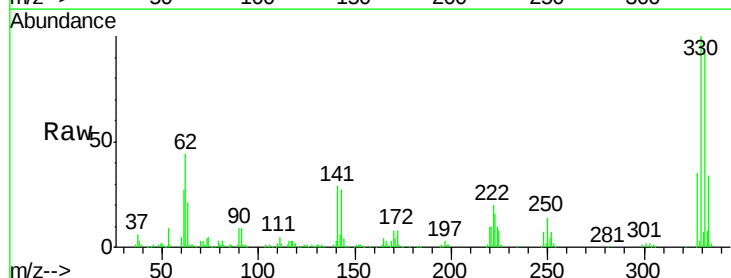
Instrument :
BNA_G
ClientSampleId :

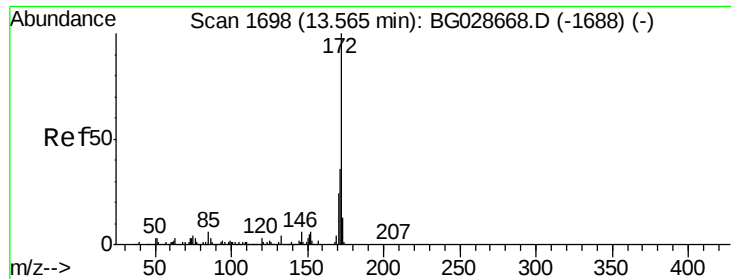
Tot Ion:237 Resp: 59
Ion Ratio Lower Upper
237 100
235 0.0 39.4 79.4#
272 0.0 0.0 32.0



#41
2,4,6-Tribromophenol
Concen: 185.94 ng
RT: 16.39 min Scan# 2178
Delta R.T. -0.05 min
Lab File: BG028927.D
Acq: 26 Sep 2017 3:53

Tgt Ion:330 Resp: 214302
Ion Ratio Lower Upper
330 100
332 94.5 77.3 115.9
141 29.3 32.1 48.1#

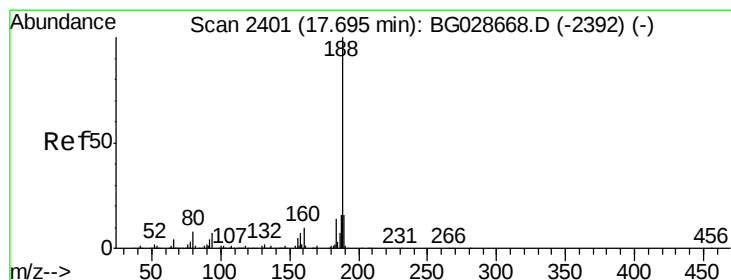
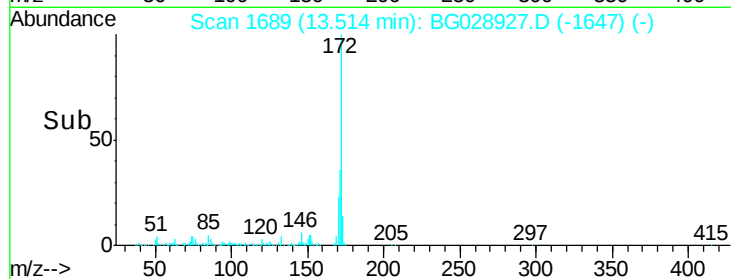
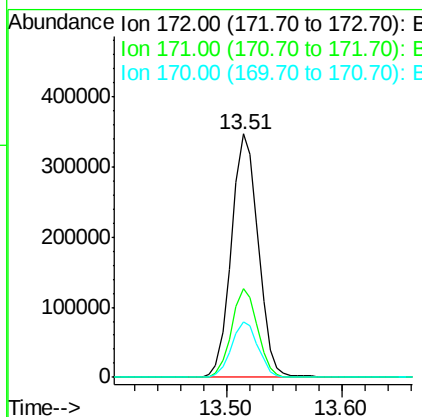
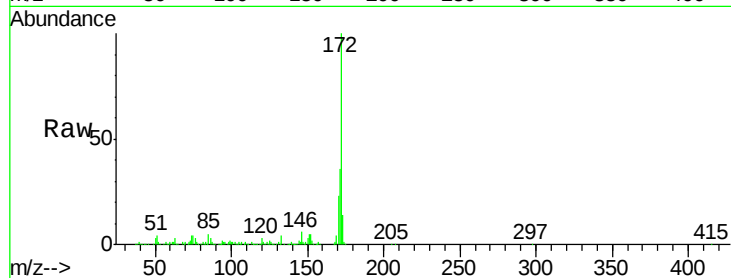




#44
 2-Fluorobiphenyl
 Concen: 106.66 ng
 RT: 13.51 min Scan# 1689
 Delta R.T. -0.05 min
 Lab File: BG028927.D
 Acq: 26 Sep 2017 3:53

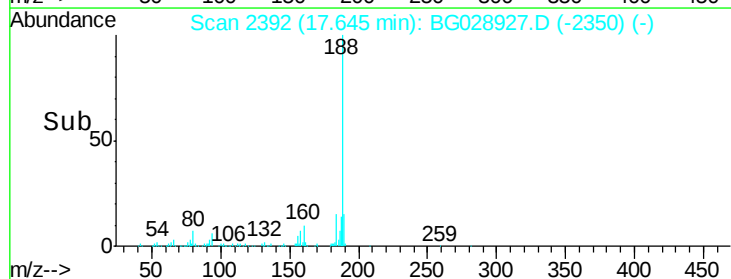
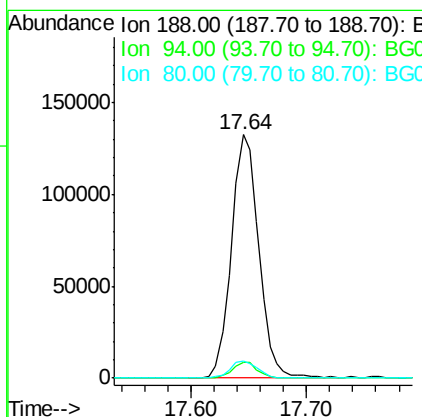
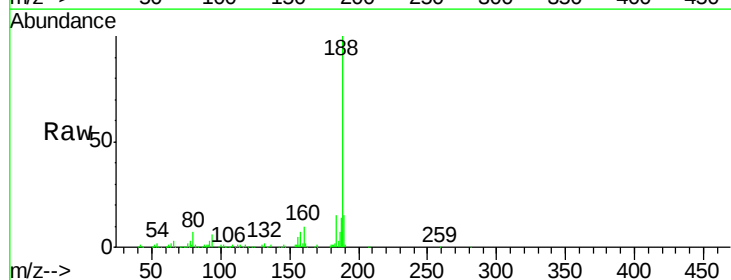
Instrument :
 BNA_G
 ClientSampleId :

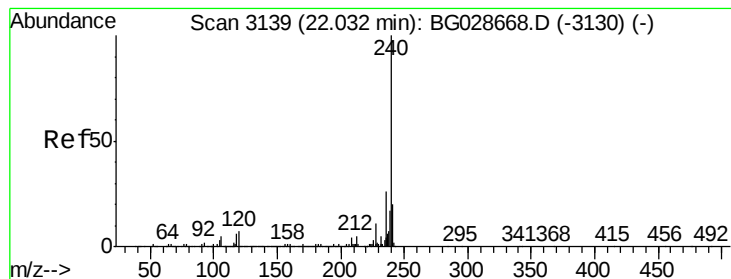
Tot Ion:172 Resp: 557377
 Ion Ratio Lower Upper
 172 100
 171 36.4 32.2 48.2
 170 22.8 21.8 32.6



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.64 min Scan# 2392
 Delta R.T. -0.05 min
 Lab File: BG028927.D
 Acq: 26 Sep 2017 3:53

Tgt Ion:188 Resp: 216869
 Ion Ratio Lower Upper
 188 100
 94 6.5 5.8 8.8
 80 7.2 7.5 11.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.96 min Scan# 3127

Delta R.T. -0.07 min

Lab File: BG028927.D

Acq: 26 Sep 2017 3:53

Instrument :

BNA_G

ClientSampleId :

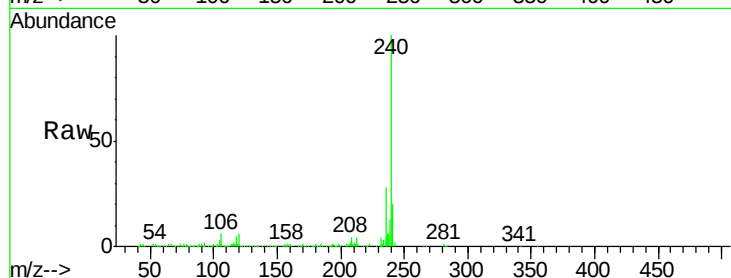
Tot Ion:240 Resp: 267388

Ion Ratio Lower Upper

240 100

120 5.6 5.7 8.5#

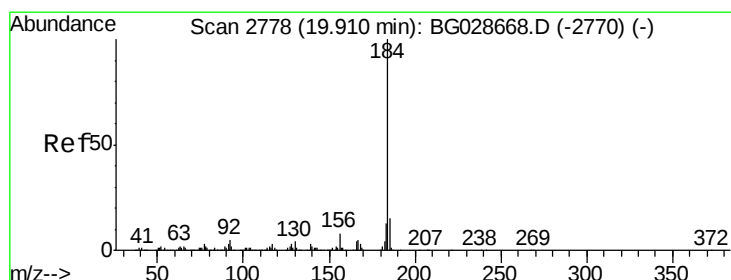
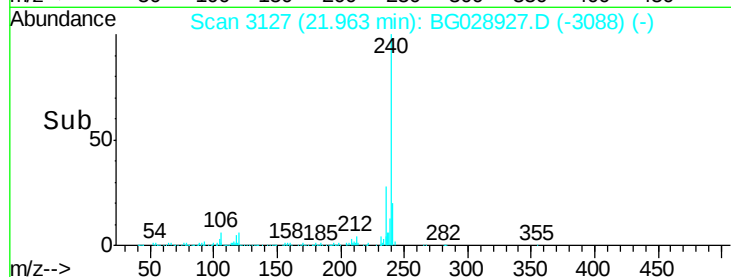
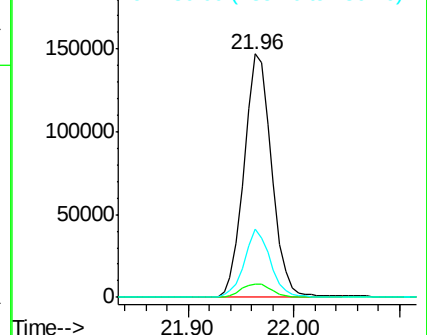
236 27.9 22.2 33.4



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



#76

Benzidine

Concen: 36.27 ng

RT: 19.87 min Scan# 2770

Delta R.T. -0.04 min

Lab File: BG028927.D

Acq: 26 Sep 2017 3:53

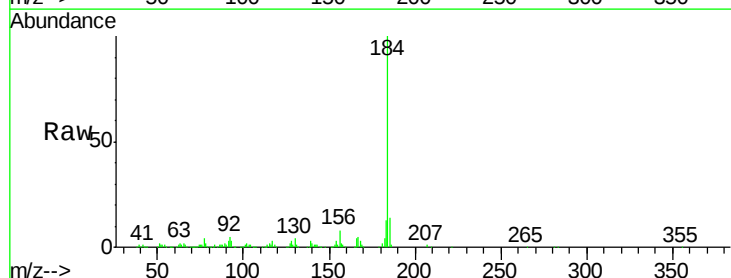
Tgt Ion:184 Resp: 251482

Ion Ratio Lower Upper

184 100

185 13.5 13.0 19.6

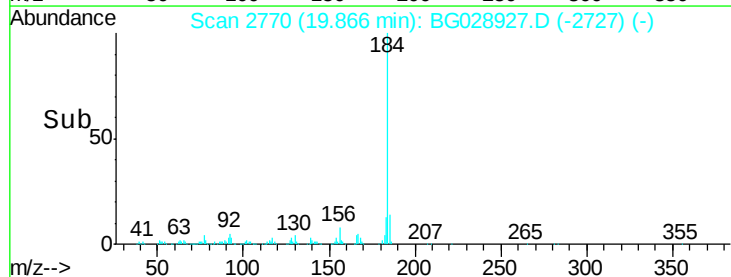
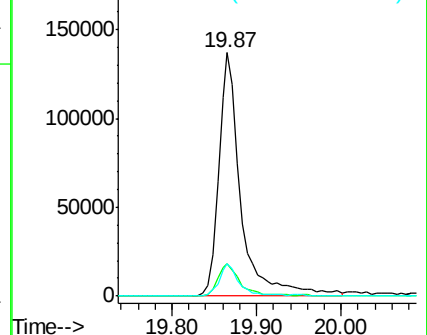
183 13.3 11.0 16.6

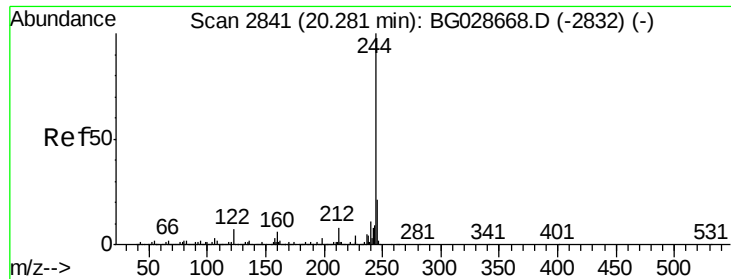


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 109.19 ng

RT: 20.24 min Scan# 2833

Delta R.T. -0.04 min

Lab File: BG028927.D

Acq: 26 Sep 2017 3:53

Instrument :

BNA_G

ClientSampled :

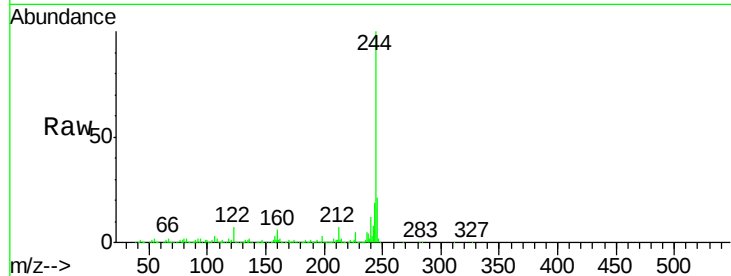
Tot Ion:244 Resp: 1369093

Ion Ratio Lower Upper

244 100

212 7.5 10.0 15.0#

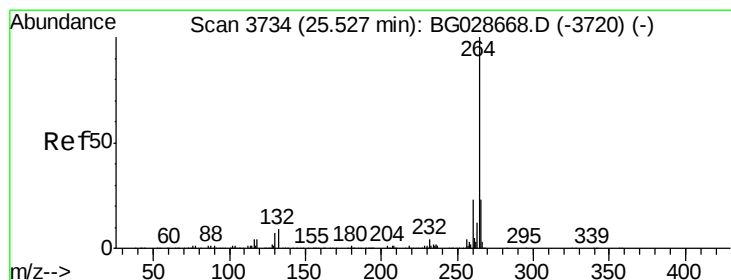
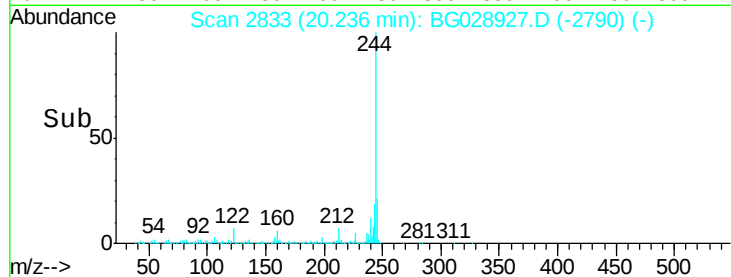
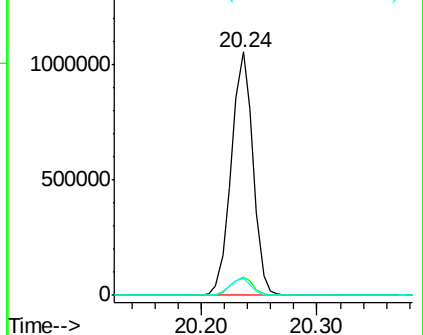
122 6.9 8.6 12.8#



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

Perylene-d12

Concen: 20.00 ng

RT: 25.42 min Scan# 3716

Delta R.T. -0.10 min

Lab File: BG028927.D

Acq: 26 Sep 2017 3:53

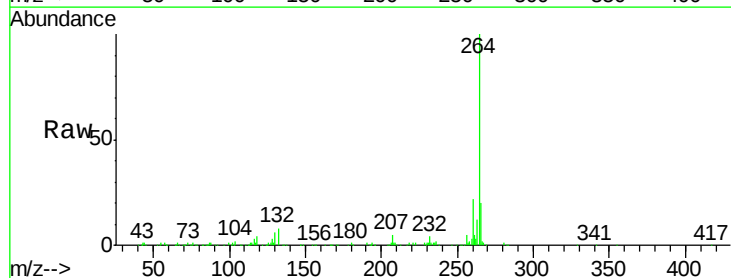
Tgt Ion:264 Resp: 275616

Ion Ratio Lower Upper

264 100

260 22.3 21.8 32.8

265 19.6 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

