

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070317\
 Data File : BG027831.D
 Acq On : 3 Jul 2017 14:16
 Operator : SJ/JU
 Sample : I3986-02RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 04 05:46:10 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

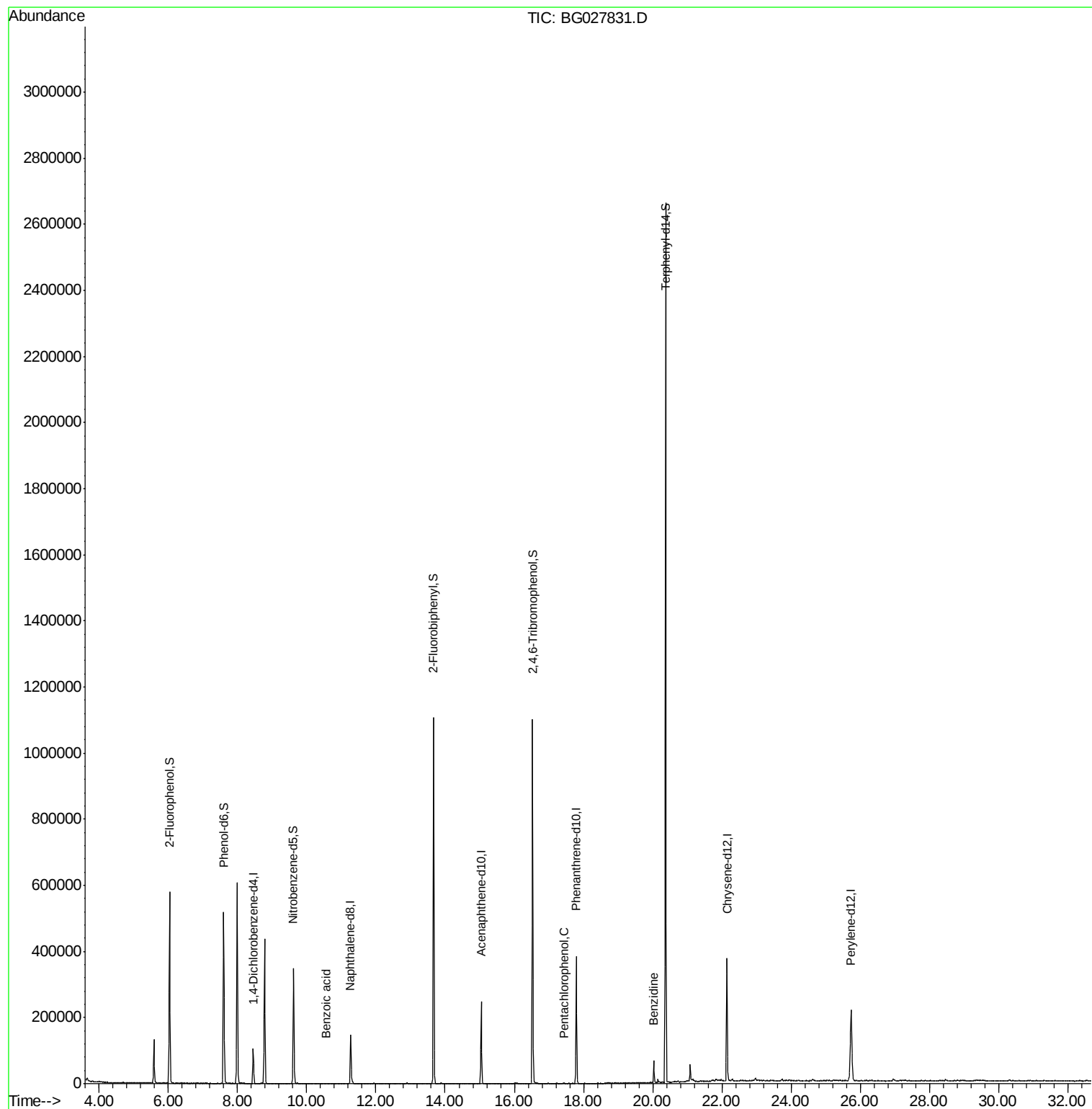
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	30173	20.00	ng	-0.02
21) Naphthalene-d8	11.27	136	139985	20.00	ng	-0.02
38) Acenaphthene-d10	15.04	164	87906	20.00	ng	-0.02
63) Phenanthrene-d10	17.79	188	238868	20.00	ng	-0.02
75) Chrysene-d12	22.14	240	257195	20.00	ng	-0.03
86) Perylene-d12	25.73	264	256939	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	6.03	112	256658	130.99	ng	-0.02
7) Phenol-d6	7.60	99	316233	105.64	ng	-0.01
23) Nitrobenzene-d5	9.62	82	226085	90.03	ng	-0.02
41) 2,4,6-Tribromophenol	16.53	330	230096	190.84	ng	-0.02
44) 2-Fluorobiphenyl	13.67	172	596873	96.97	ng	-0.02
78) Terphenyl-d14	20.37	244	1221334	111.33	ng	-0.02
Target Compounds						
32) Benzoic acid	10.55	122	132	8.94	ng	# 1
69) Pentachlorophenol	17.44	266	63	6.20	ng	# 20
76) Benzidine	20.02	184	75	3.23	ng	# 64

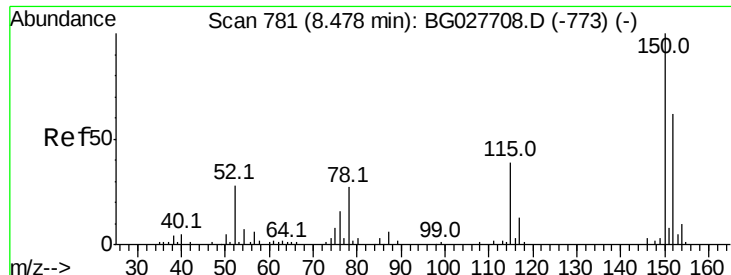
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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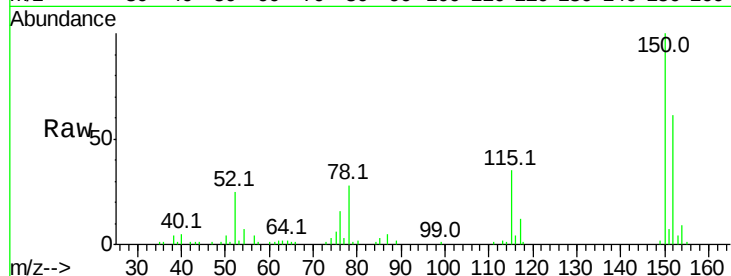


#1

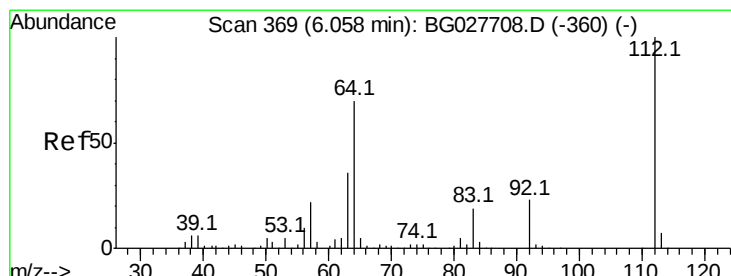
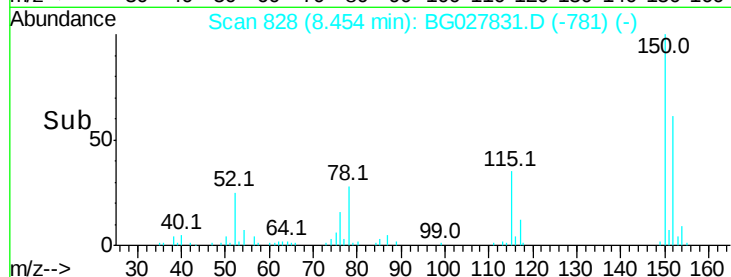
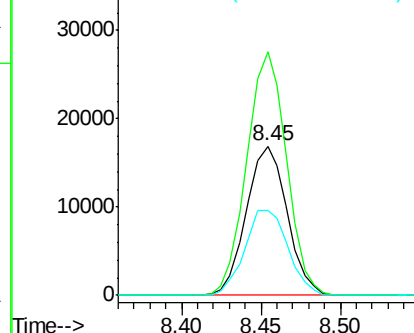
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.45 min Scan# 828
Delta R.T. -0.02 min
Lab File: BG027831.D
Acq: 3 Jul 2017 14:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30173
Ion Ratio Lower Upper
152 100
150 163.0 114.0 171.0
115 57.1 48.1 72.1



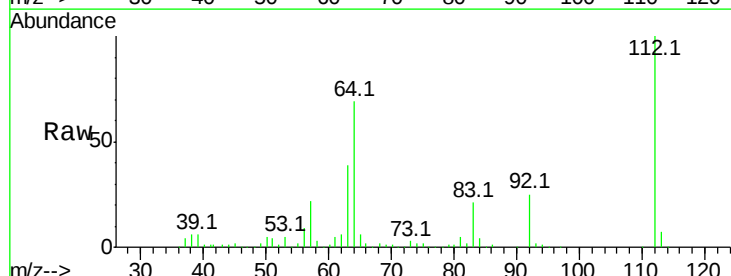
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



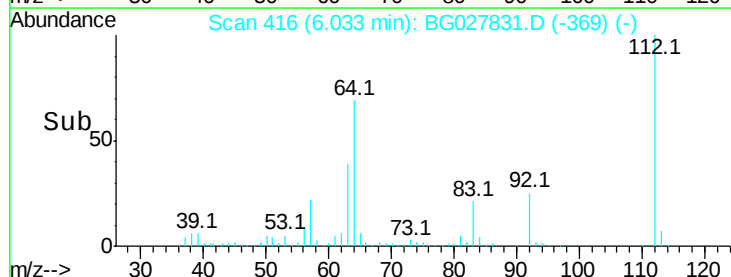
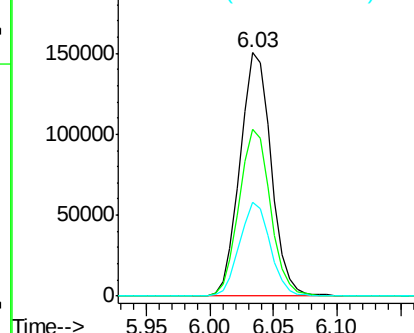
#5

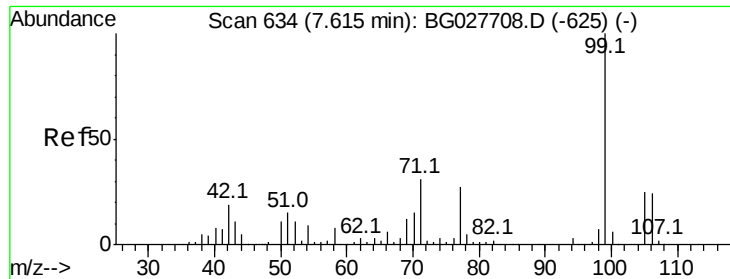
2-Fluorophenol
Concen: 130.99 ng
RT: 6.03 min Scan# 416
Delta R.T. -0.02 min
Lab File: BG027831.D
Acq: 3 Jul 2017 14:16

Tgt Ion:112 Resp: 256658
Ion Ratio Lower Upper
112 100
64 68.6 61.8 92.6
63 38.7 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: 105.64 ng

RT: 7.60 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG027831.D

Acq: 3 Jul 2017 14:16

Instrument :

BNA_G

ClientSampleId :

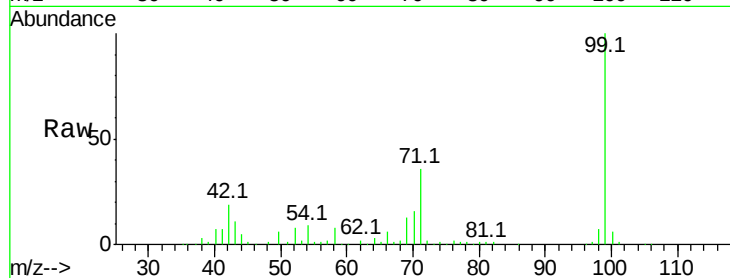
Tot Ion: 99 Resp: 316233

Ion Ratio Lower Upper

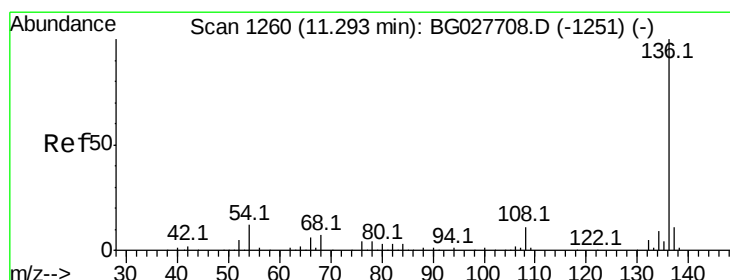
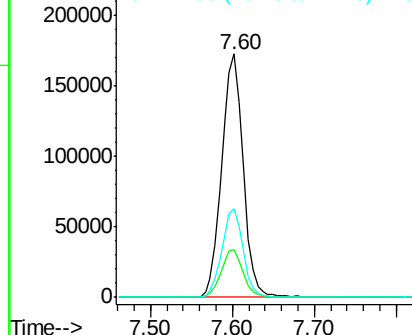
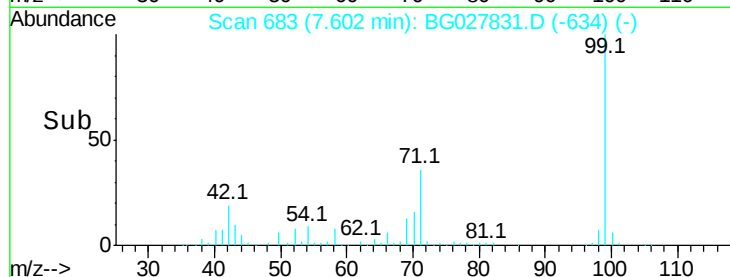
99 100

42 19.4 20.5 30.7#

71 36.2 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: 11.27 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BG027831.D

Acq: 3 Jul 2017 14:16

Tgt Ion: 136 Resp: 139985

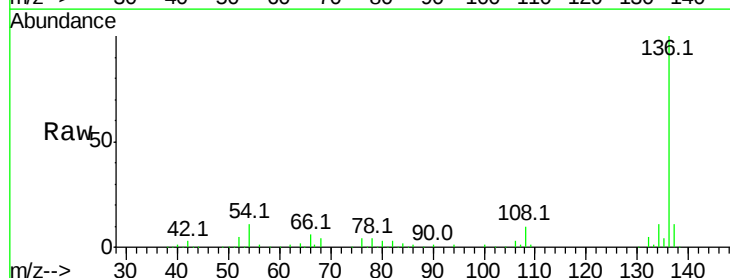
Ion Ratio Lower Upper

136 100

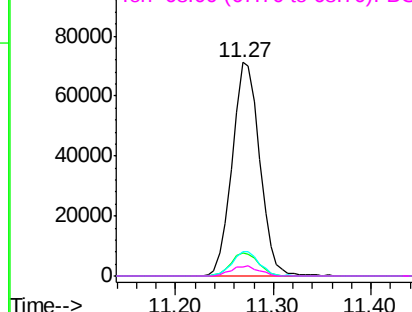
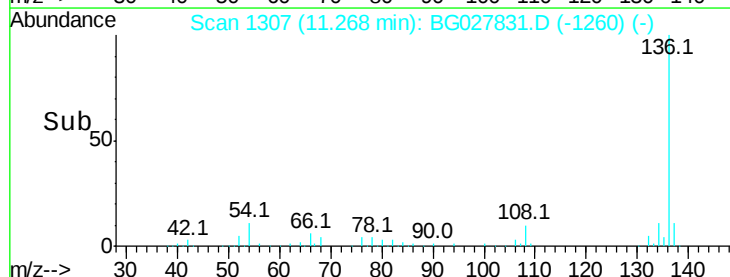
137 10.8 8.9 13.3

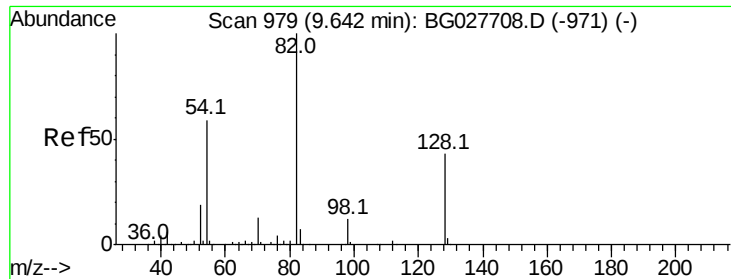
54 11.3 9.3 13.9

68 4.4 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

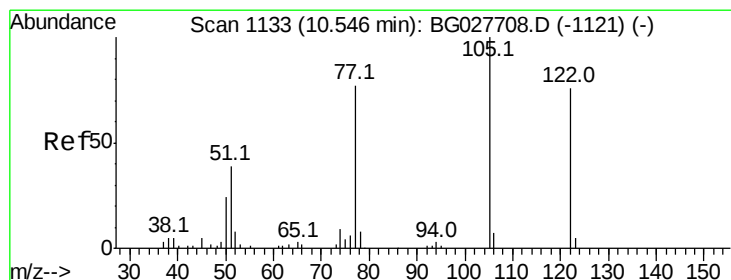
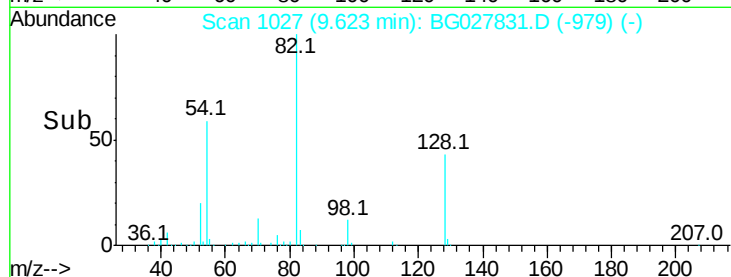
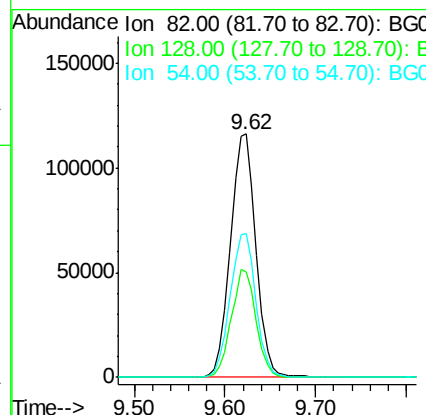
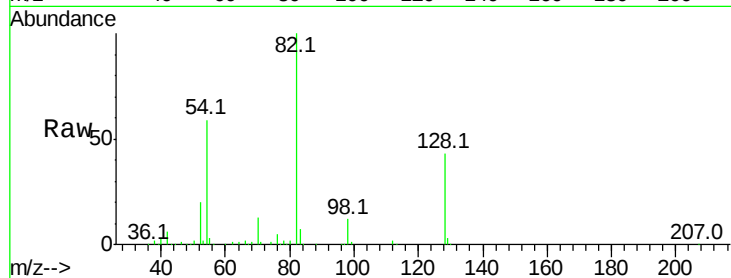




#23
 Nitrobenzene-d5
 Concen: 90.03 ng
 RT: 9.62 min Scan# 1027
 Delta R.T. -0.02 min
 Lab File: BG027831.D
 Acq: 3 Jul 2017 14:16

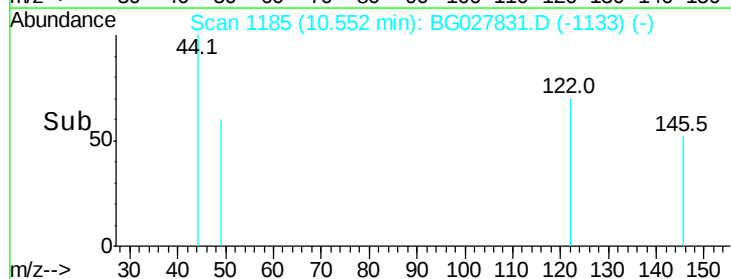
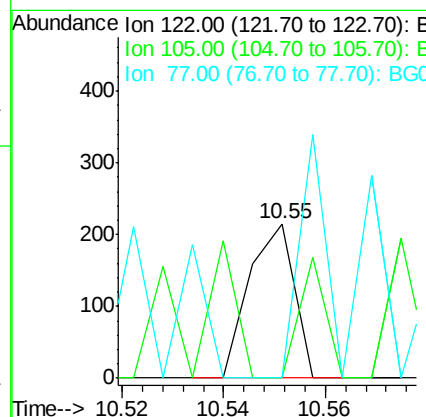
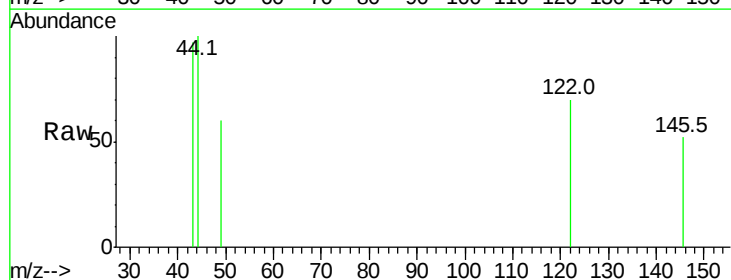
Instrument :
 BNA_G
 ClientSampleId :

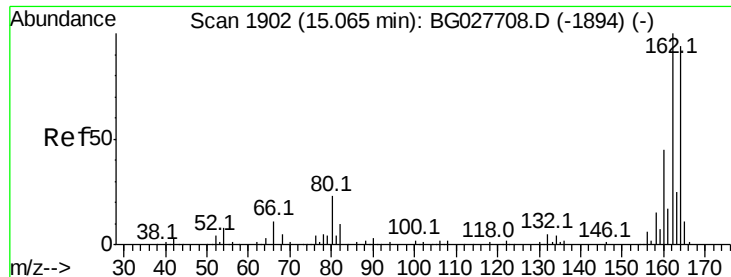
Tot Ion: 82 Resp: 226085
 Ion Ratio Lower Upper
 82 100
 128 43.1 26.4 39.6#
 54 59.1 49.4 74.2



#32
 Benzoic acid
 Concen: 8.94 ng
 RT: 10.55 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: BG027831.D
 Acq: 3 Jul 2017 14:16

Tgt Ion: 122 Resp: 132
 Ion Ratio Lower Upper
 122 100
 105 0.0 120.1 160.1#
 77 0.0 104.6 144.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.04 min Scan# 1949

Delta R.T. -0.02 min

Lab File: BG027831.D

Acq: 3 Jul 2017 14:16

Instrument :

BNA_G

ClientSampleId :

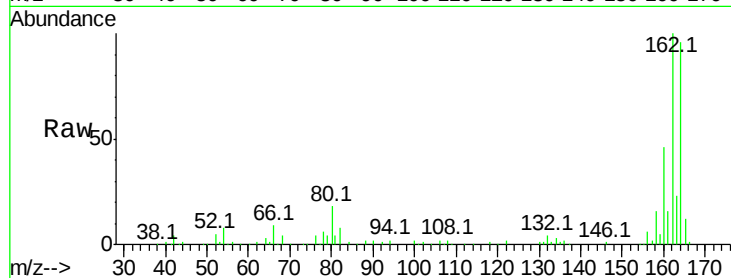
Tot Ion:164 Resp: 87906

Ion Ratio Lower Upper

164 100

162 104.2 85.1 127.7

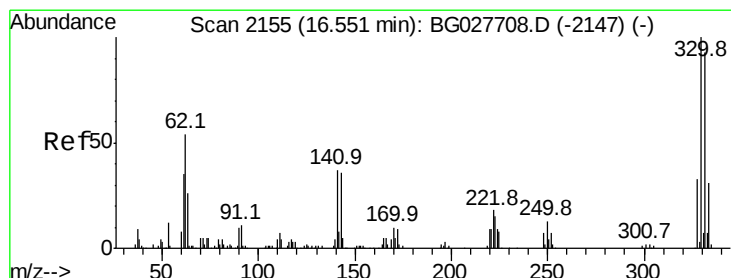
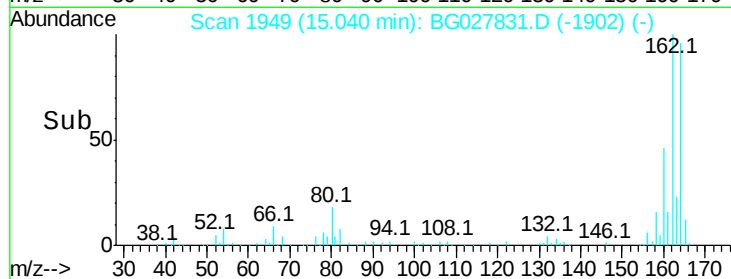
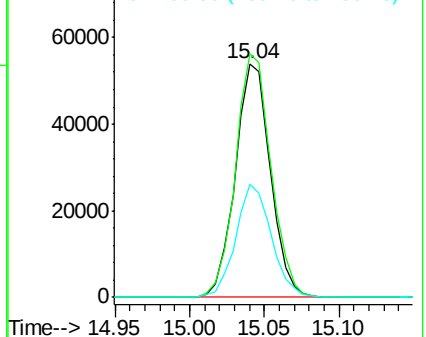
160 48.3 34.7 52.1



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: 190.84 ng

RT: 16.53 min Scan# 2203

Delta R.T. -0.02 min

Lab File: BG027831.D

Acq: 3 Jul 2017 14:16

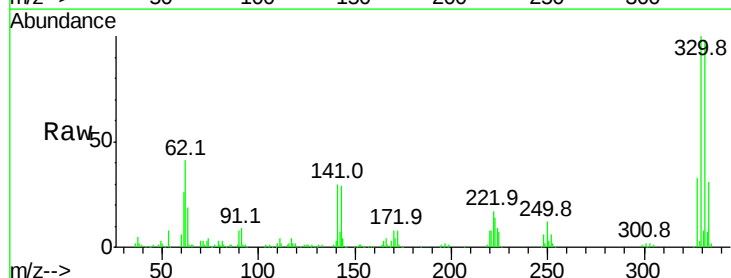
Tgt Ion:330 Resp: 230096

Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

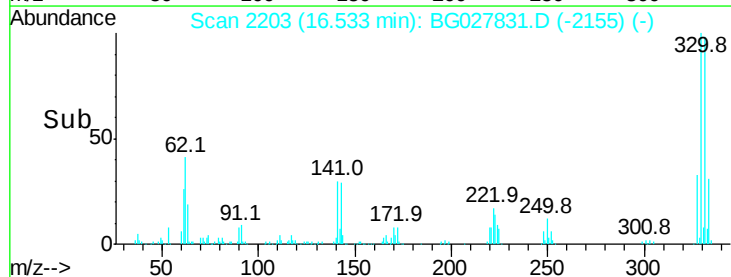
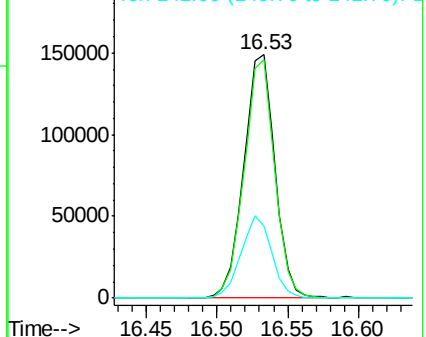
141 33.3 32.1 48.1

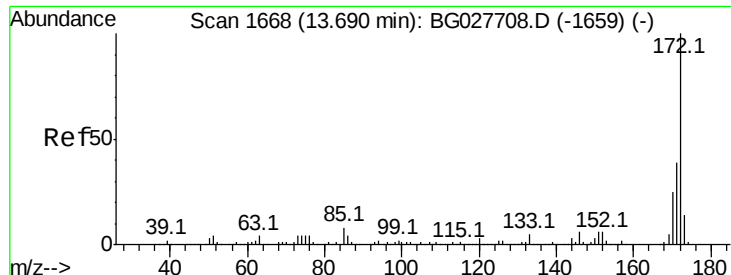


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

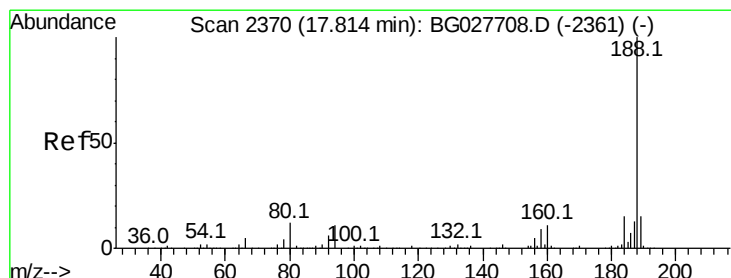
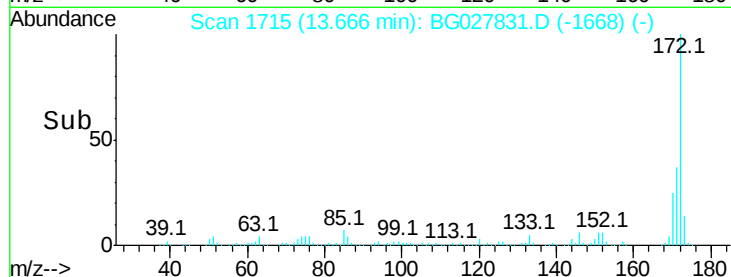
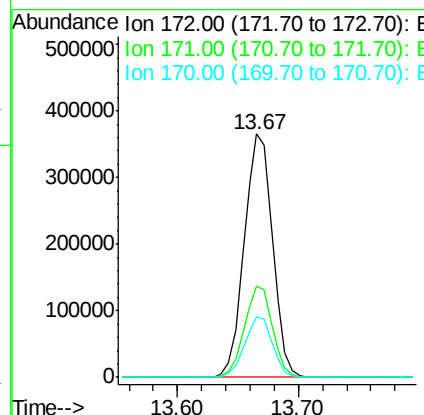
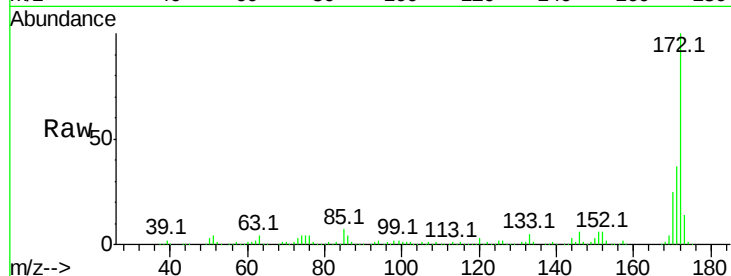




#44
 2-Fluorobiphenyl
 Concen: 96.97 ng
 RT: 13.67 min Scan# 1715
 Delta R.T. -0.02 min
 Lab File: BG027831.D
 Acq: 3 Jul 2017 14:16

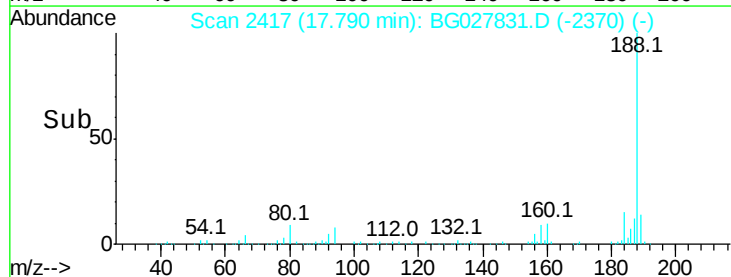
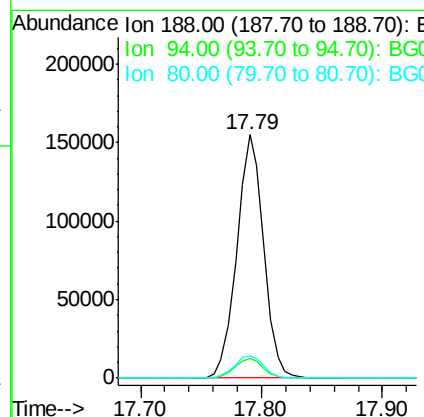
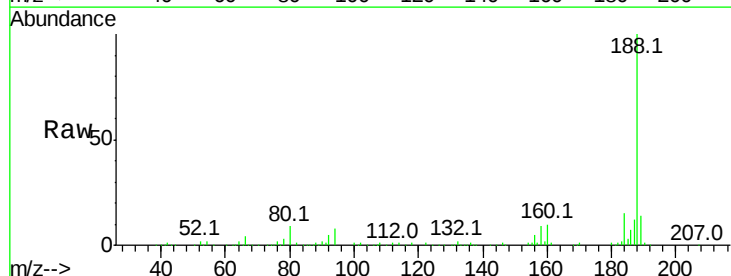
Instrument :
 BNA_G
 ClientSampleId :

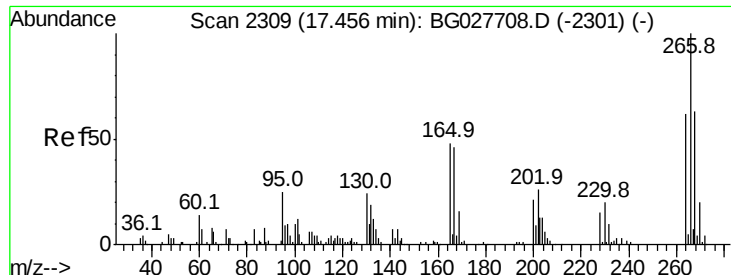
Tot Ion:172 Resp: 596873
 Ion Ratio Lower Upper
 172 100
 171 37.5 32.2 48.2
 170 24.8 21.8 32.6



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.79 min Scan# 2417
 Delta R.T. -0.02 min
 Lab File: BG027831.D
 Acq: 3 Jul 2017 14:16

Tgt Ion:188 Resp: 238868
 Ion Ratio Lower Upper
 188 100
 94 8.2 5.8 8.8
 80 8.9 7.5 11.3

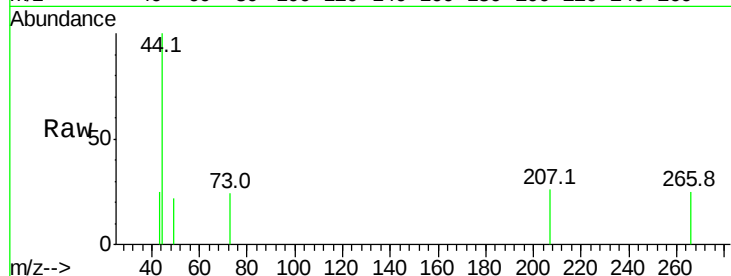




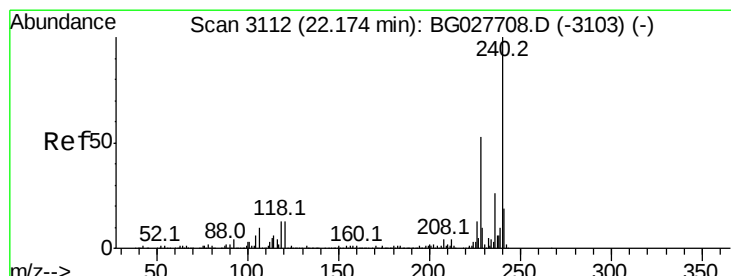
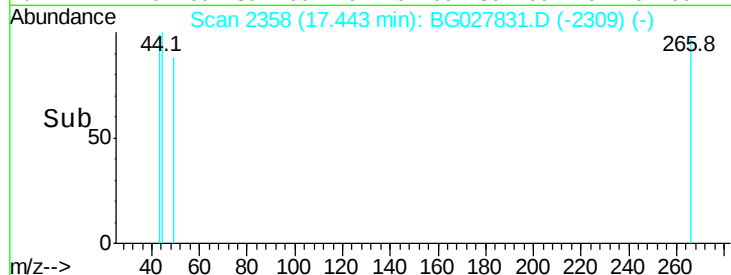
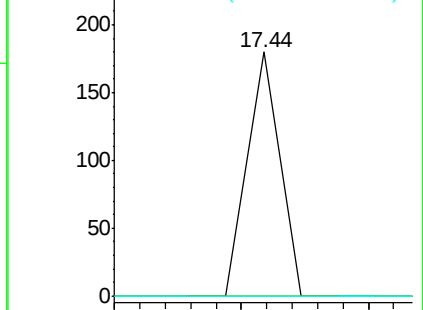
#69
 Pentachlorophenol
 Concen: 6.20 ng
 RT: 17.44 min Scan# 2358
 Delta R.T. -0.01 min
 Lab File: BG027831.D
 Acq: 3 Jul 2017 14:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:266 Resp: 63
 Ion Ratio Lower Upper
 266 100
 268 0.0 48.6 72.8#
 264 0.0 50.1 75.1#

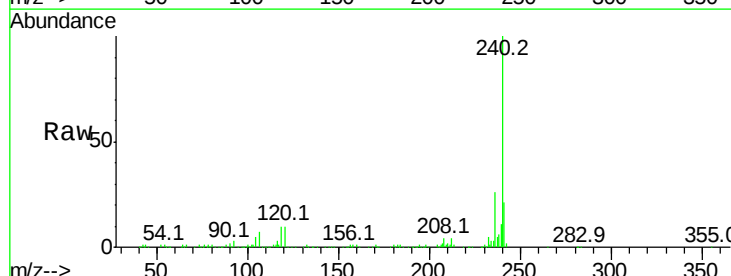


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

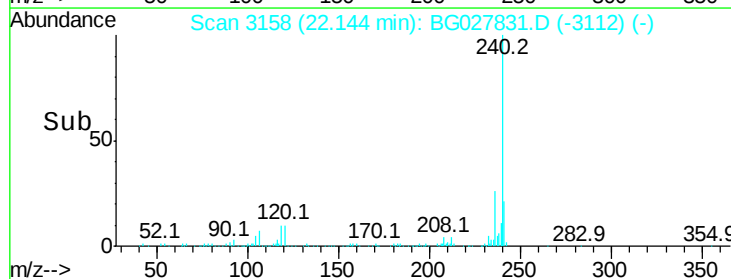
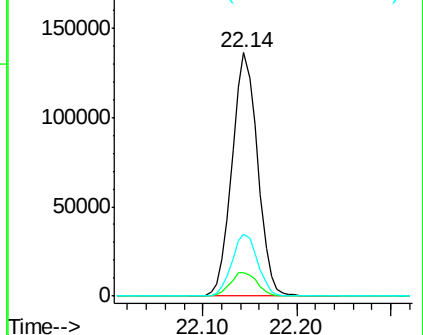


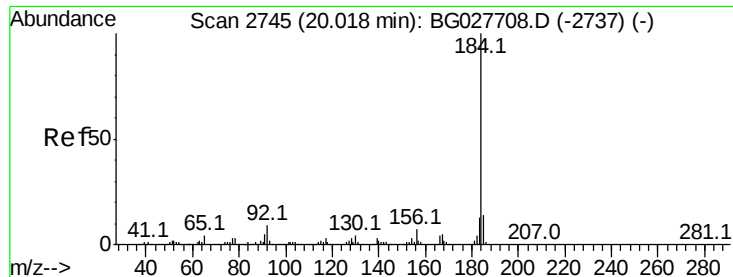
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.14 min Scan# 3158
 Delta R.T. -0.03 min
 Lab File: BG027831.D
 Acq: 3 Jul 2017 14:16

Tgt Ion:240 Resp: 257195
 Ion Ratio Lower Upper
 240 100
 120 9.5 5.7 8.5#
 236 25.6 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: 3.23 ng

RT: 20.02 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BG027831.D

Acq: 3 Jul 2017 14:16

Instrument :

BNA_G

ClientSampled :

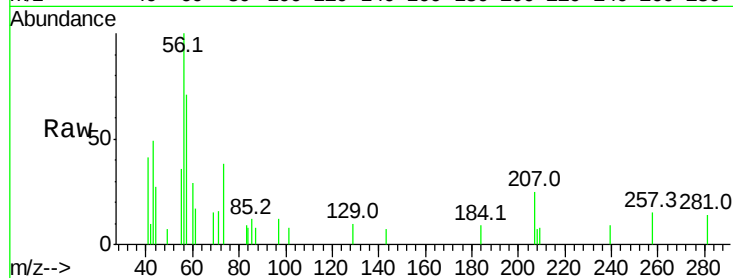
Tot Ion:184 Resp: 75

Ion Ratio Lower Upper

184 100

185 0.0 13.0 19.6#

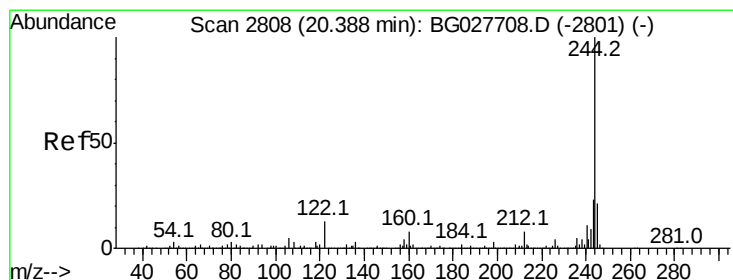
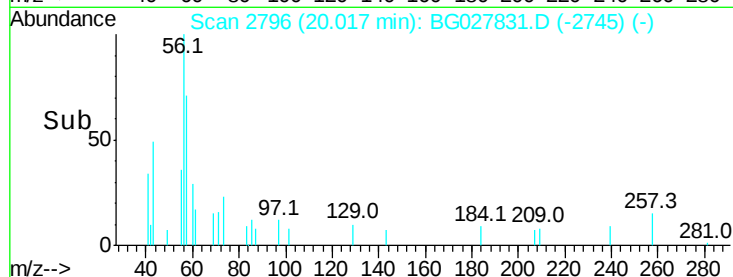
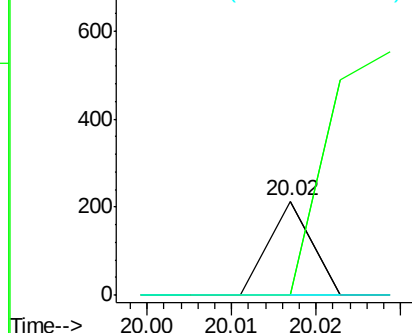
183 0.0 11.0 16.6#



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: 111.33 ng

RT: 20.37 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BG027831.D

Acq: 3 Jul 2017 14:16

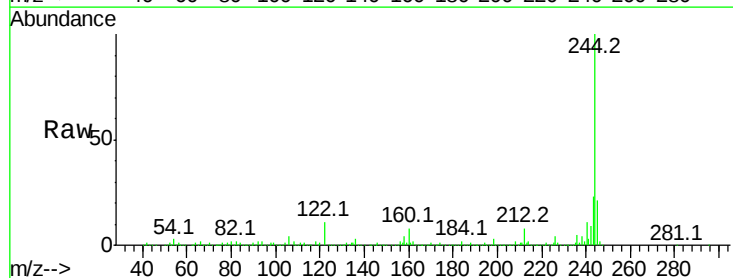
Tgt Ion:244 Resp: 1221334

Ion Ratio Lower Upper

244 100

212 7.6 10.0 15.0#

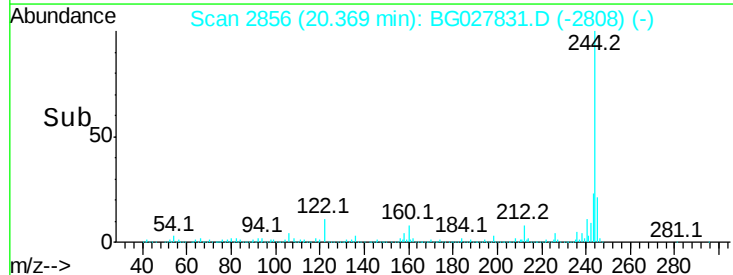
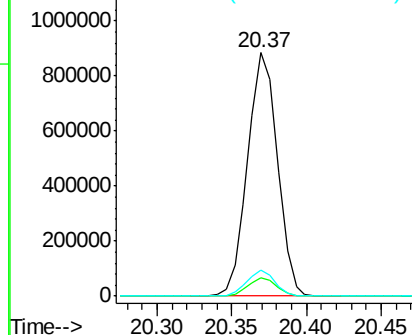
122 10.5 8.6 12.8

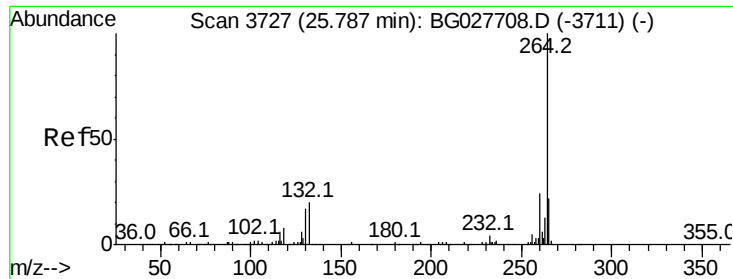


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.73 min Scan# 3769
Delta R.T. -0.05 min
Lab File: BG027831.D
Acq: 3 Jul 2017 14:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	21.8	32.8
265	21.7	18.2	27.4

