

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042117\
 Data File : BG026689.D
 Acq On : 21 Apr 2017 16:52
 Operator : SJ/MA
 Sample : PB98386BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 22 03:56:40 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 18 18:04:39 2017
 Response via : Initial Calibration

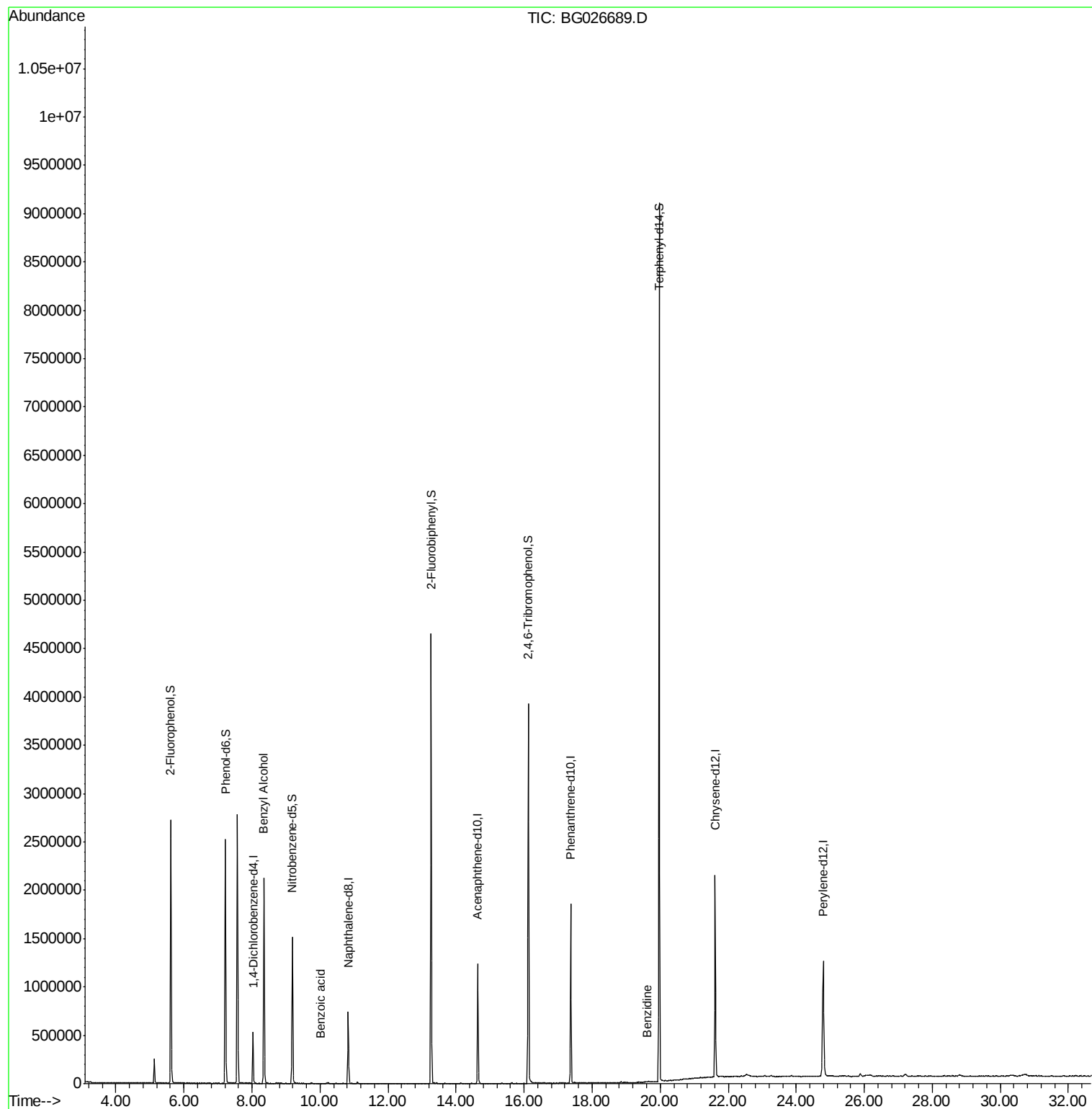
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	172353	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	728082	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	439485	20.00	ng	-0.02
63) Phenanthrene-d10	17.37	188	1172555	20.00	ng	-0.02
75) Chrysene-d12	21.62	240	1304968	20.00	ng	-0.02
86) Perylene-d12	24.79	264	1269305	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1406846	148.39	ng	0.00
7) Phenol-d6	7.22	99	1833791	147.61	ng	0.01
23) Nitrobenzene-d5	9.19	82	957409	91.75	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	877069	143.22	ng	-0.01
44) 2-Fluorobiphenyl	13.26	172	2611732	88.51	ng	-0.02
78) Terphenyl-d14	19.97	244	3842211	86.92	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	8.35	79	15578	2.01	ng	# 60
32) Benzoic acid	10.03	122	87	9.02	ng	# 1
76) Benzidine	19.60	184	193	3.72	ng	# 64

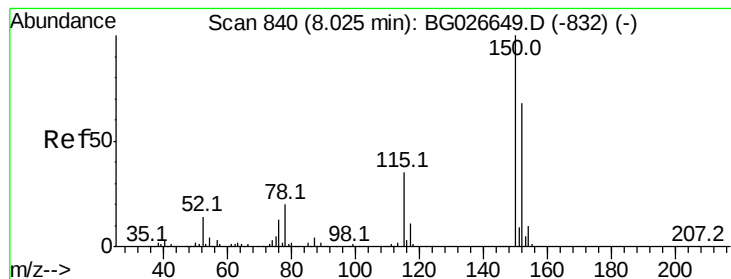
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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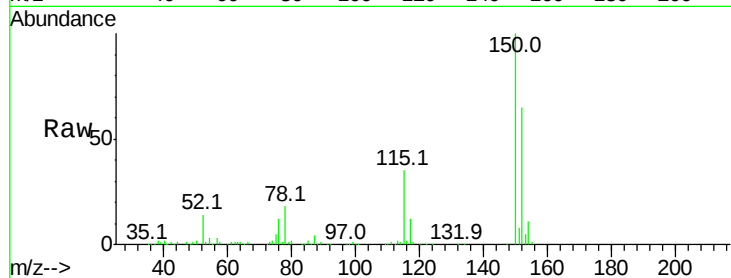


#1

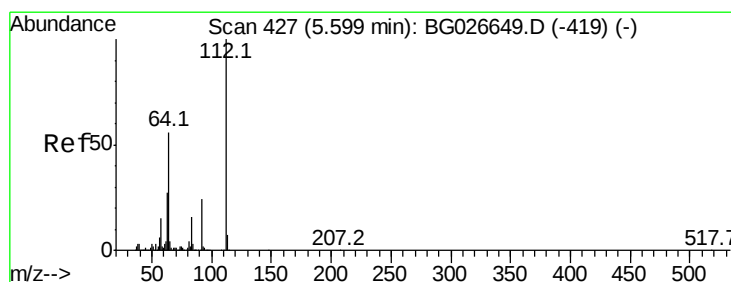
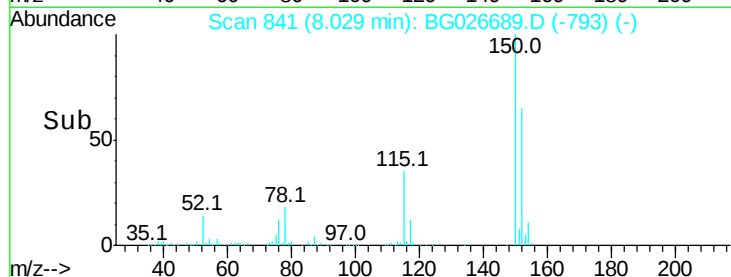
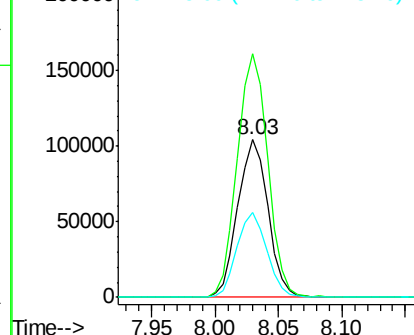
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.02 min
Lab File: BG026689.D
Acq: 21 Apr 2017 16:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 172353
Ion Ratio Lower Upper
152 100
150 154.6 114.0 171.0
115 53.7 48.1 72.1



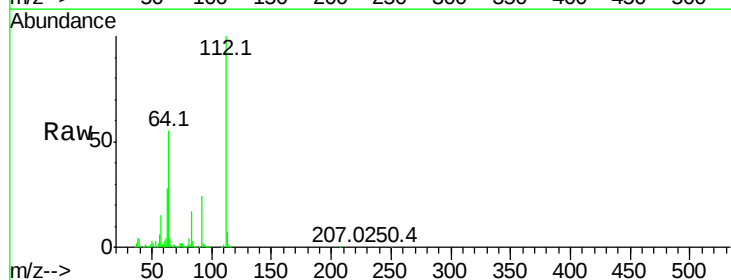
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



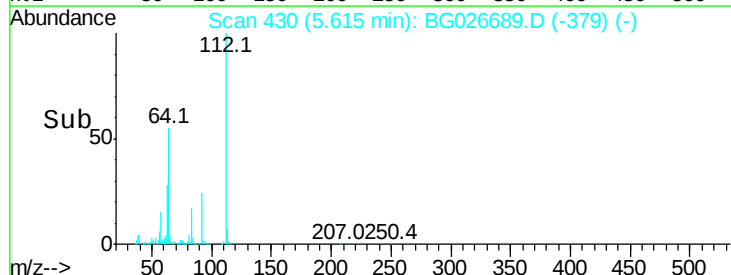
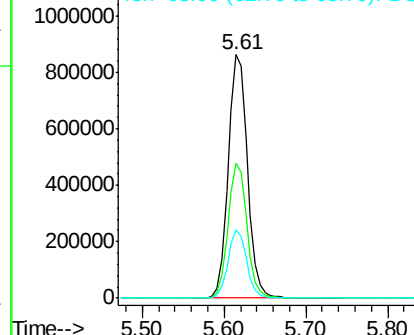
#5

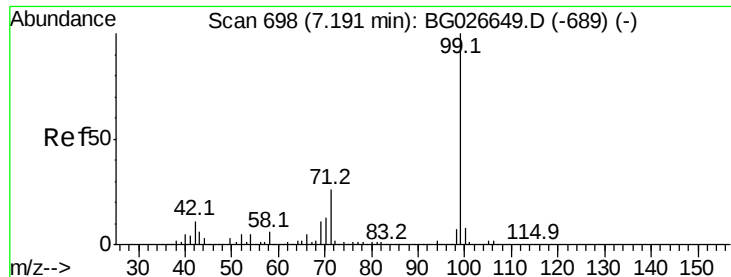
2-Fluorophenol
Concen: 148.39 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG026689.D
Acq: 21 Apr 2017 16:52

Tgt Ion:112 Resp: 1406846
Ion Ratio Lower Upper
112 100
64 55.2 61.8 92.6#
63 27.8 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: 147.61 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG026689.D

Acq: 21 Apr 2017 16:52

Instrument :

BNA_G

ClientSampled :

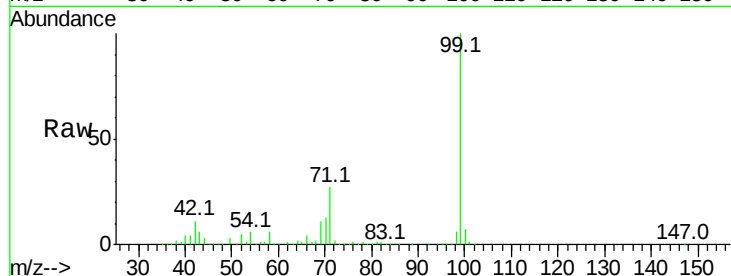
Tot Ion: 99 Resp: 1833791

Ion Ratio Lower Upper

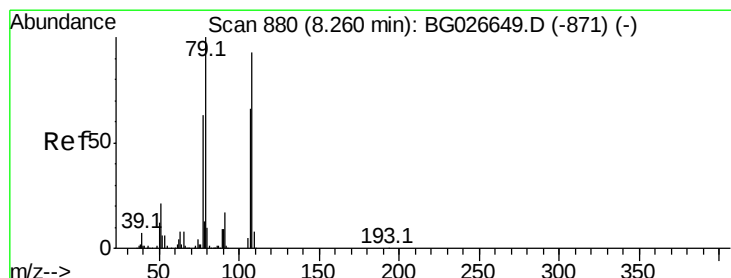
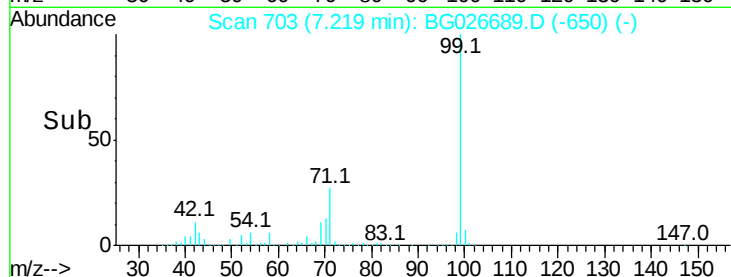
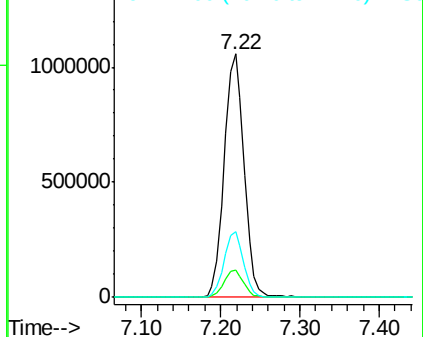
99 100

42 11.0 20.5 30.7#

71 26.8 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: 2.01 ng

RT: 8.35 min Scan# 896

Delta R.T. 0.07 min

Lab File: BG026689.D

Acq: 21 Apr 2017 16:52

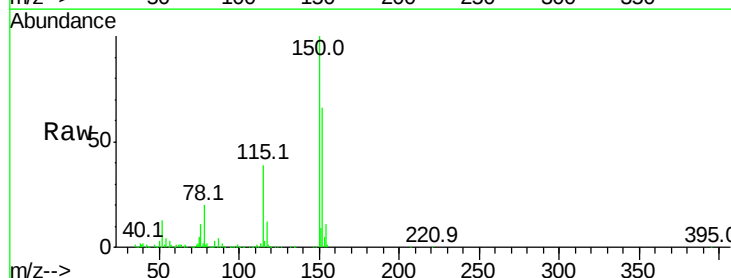
Tgt Ion: 79 Resp: 15578

Ion Ratio Lower Upper

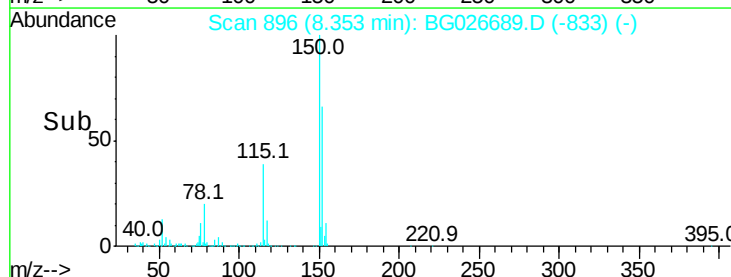
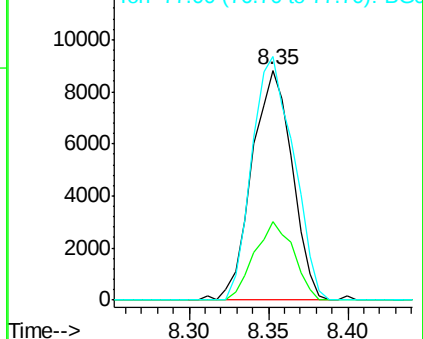
79 100

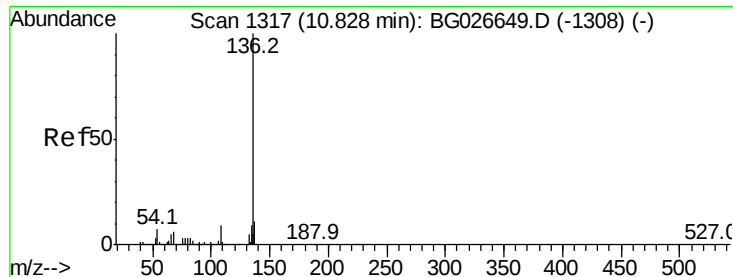
108 34.0 45.5 68.3#

77 106.0 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

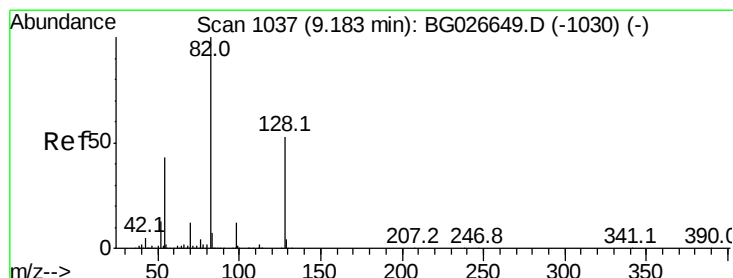
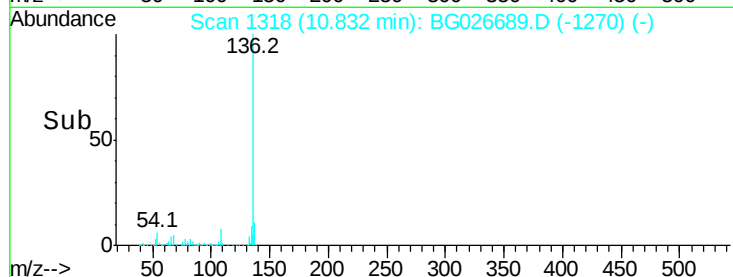
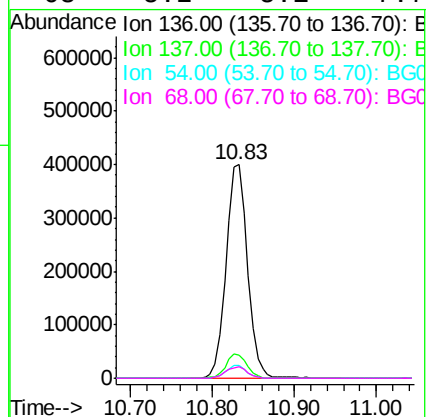
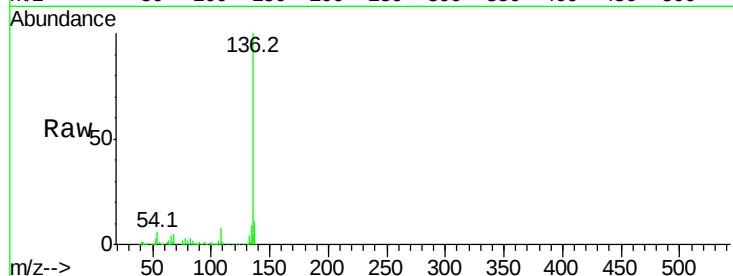




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BG026689.D
Acq: 21 Apr 2017 16:52

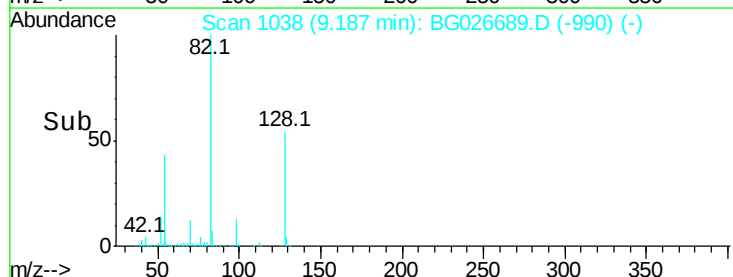
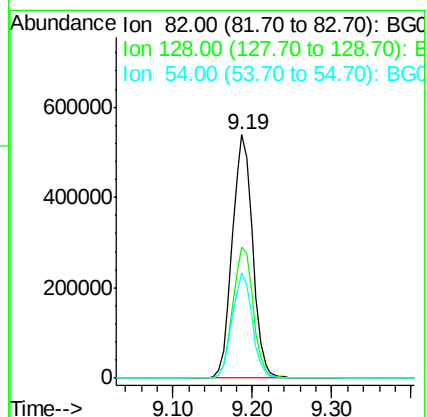
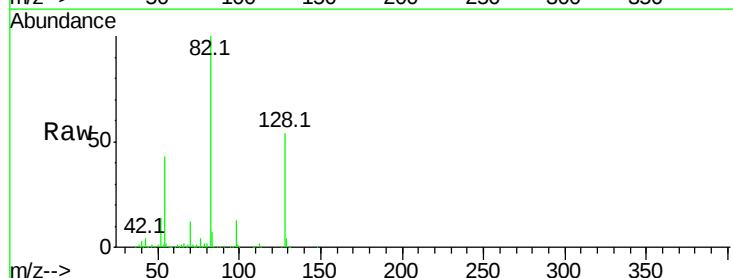
Instrument :
BNA_G
ClientSampleId :

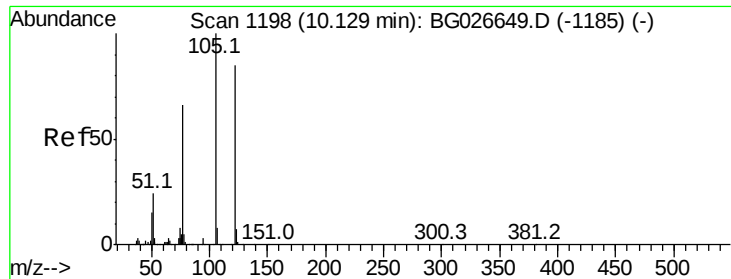
Tot Ion:136	Resp:	728082
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.9	13.3
54 5.9	9.3	13.9#
68 5.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 91.75 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BG026689.D
Acq: 21 Apr 2017 16:52

Tgt Ion: 82	Resp:	957409
Ion Ratio	Lower	Upper
82 100		
128 53.7	26.4	39.6#
54 43.3	49.4	74.2#





#32

Benzoic acid

Concen: 9.02 ng

RT: 10.03 min Scan# 1182

Delta R.T. -0.11 min

Lab File: BG026689.D

Acq: 21 Apr 2017 16:52

Instrument :

BNA_G

ClientSampleId :

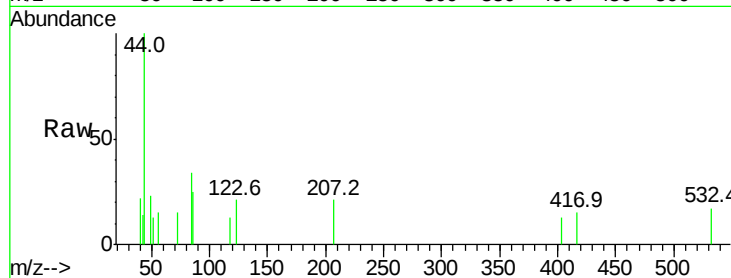
Tot Ion:122 Resp: 87

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

10.03

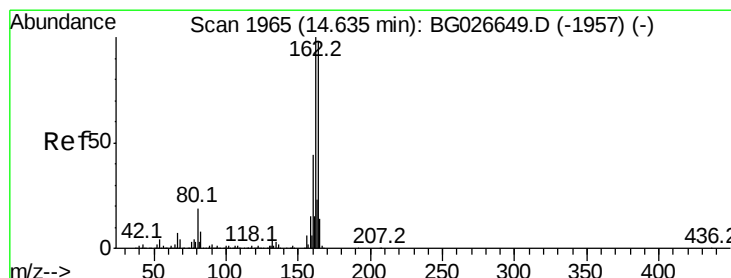
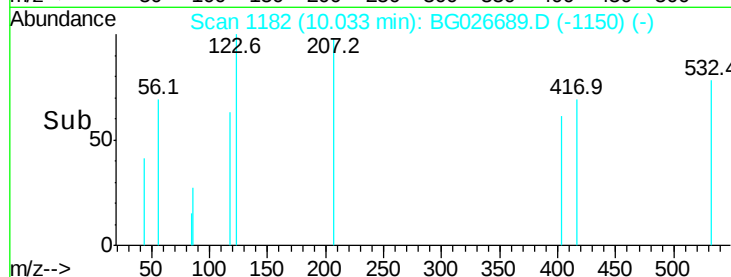
200

100

0

10.02 10.04

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.02 min

Lab File: BG026689.D

Acq: 21 Apr 2017 16:52

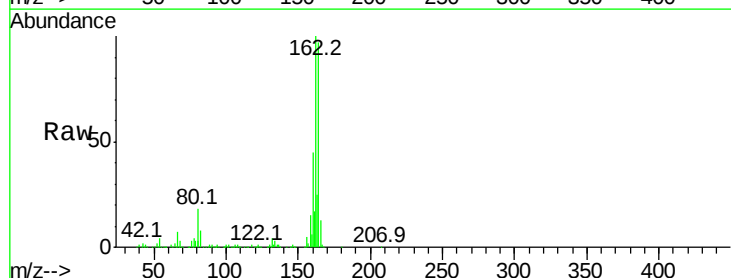
Tgt Ion:164 Resp: 439485

Ion Ratio Lower Upper

164 100

162 103.4 85.1 127.7

160 46.1 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

14.64

400000

300000

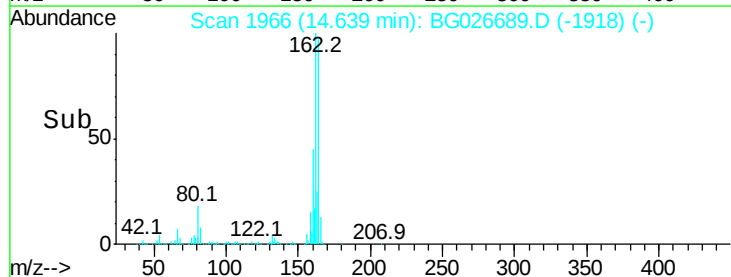
200000

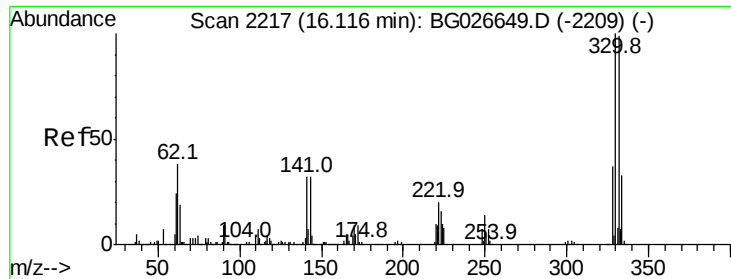
100000

0

14.60 14.70

Time-->

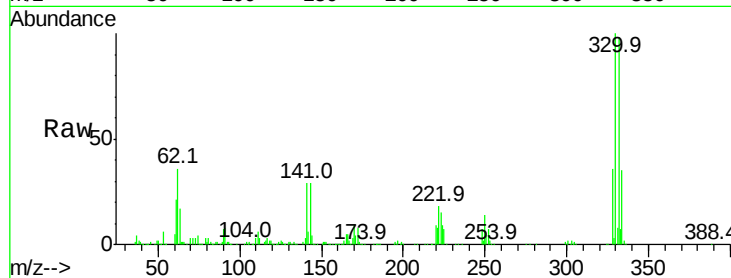




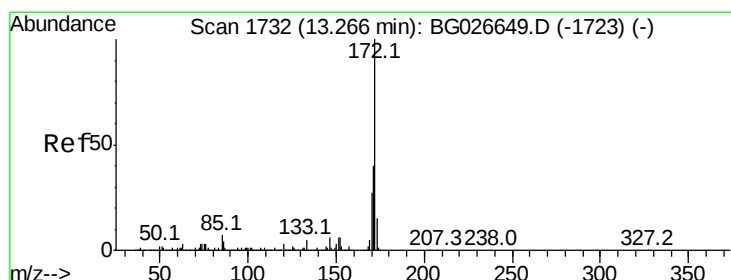
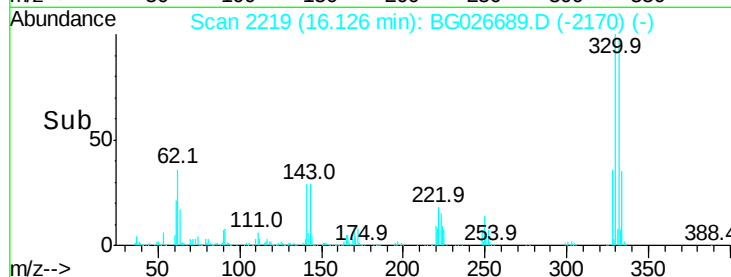
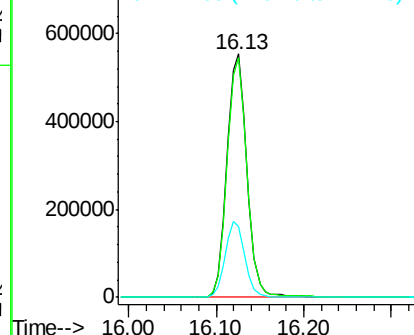
#41
 2,4,6-Tribromophenol
 Concen: 143.22 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG026689.D
 Acq: 21 Apr 2017 16:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 877069
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.3 115.9
 141 31.0 32.1 48.1#

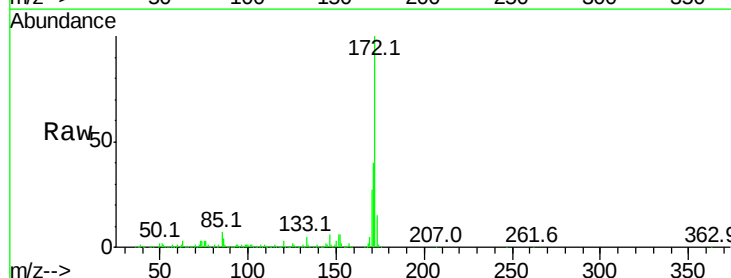


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

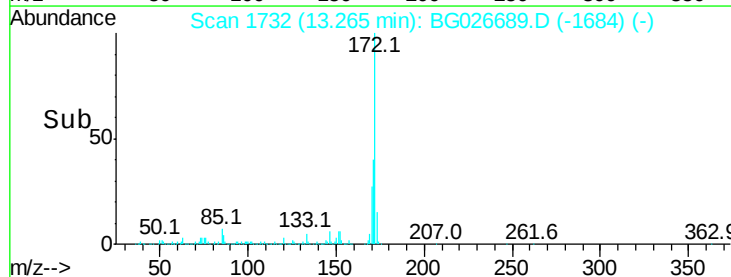
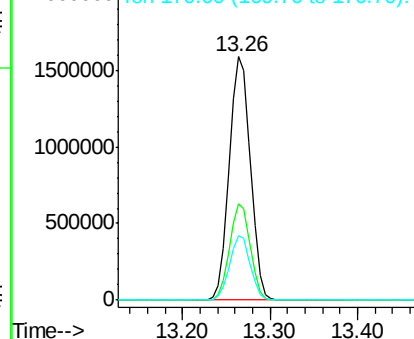


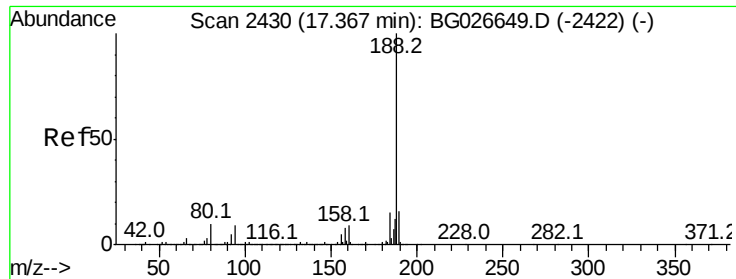
#44
 2-Fluorobiphenyl
 Concen: 88.51 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.02 min
 Lab File: BG026689.D
 Acq: 21 Apr 2017 16:52

Tgt Ion:172 Resp: 2611732
 Ion Ratio Lower Upper
 172 100
 171 39.5 32.2 48.2
 170 26.6 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: 17.37 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BG026689.D

Acq: 21 Apr 2017 16:52

Instrument :

BNA_G

ClientSampleId :

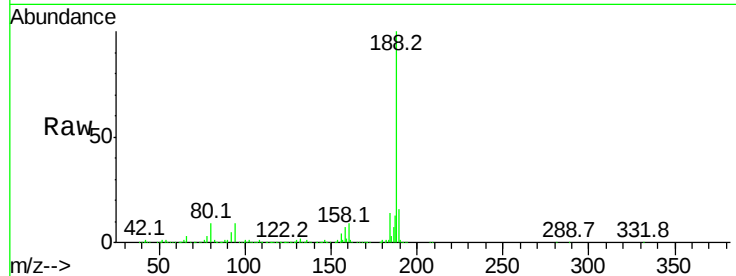
Tot Ion:188 Resp: 1172555

Ion Ratio Lower Upper

188 100

94 8.8 5.8 8.8#

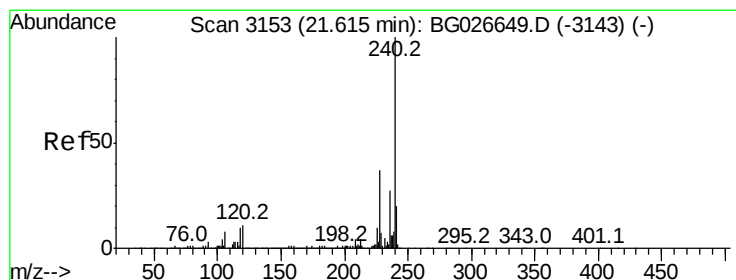
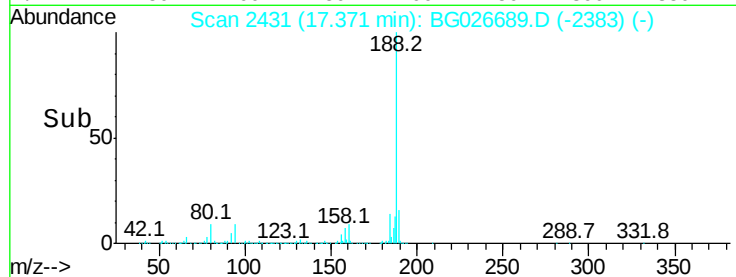
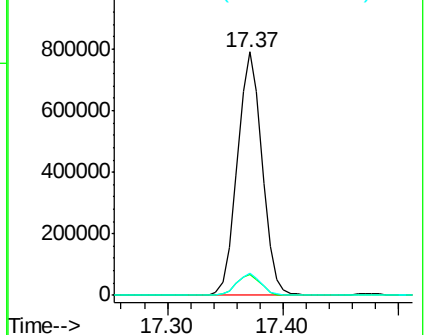
80 8.9 7.5 11.3



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: 21.62 min Scan# 3154

Delta R.T. -0.02 min

Lab File: BG026689.D

Acq: 21 Apr 2017 16:52

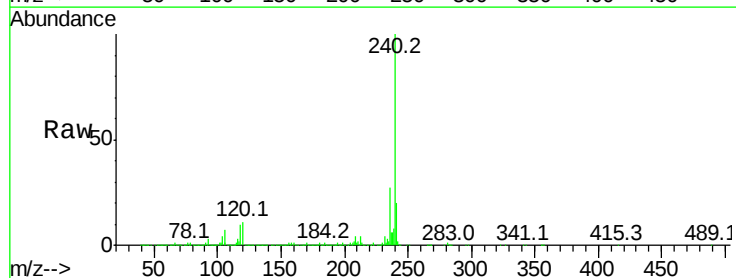
Tgt Ion:240 Resp: 1304968

Ion Ratio Lower Upper

240 100

120 10.8 5.7 8.5#

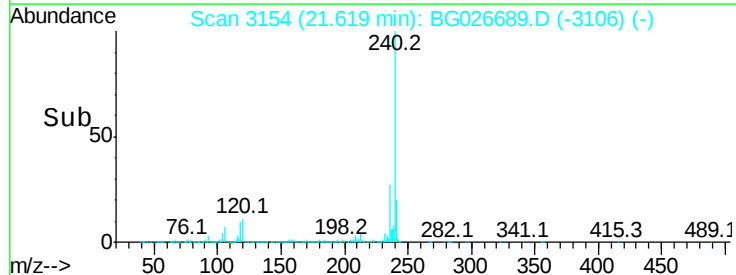
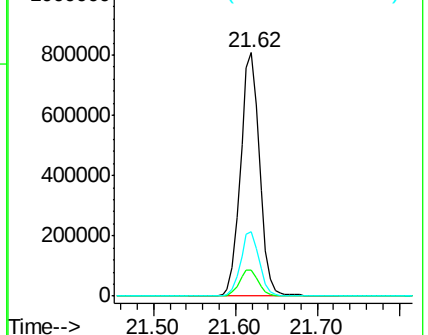
236 26.6 22.2 33.4

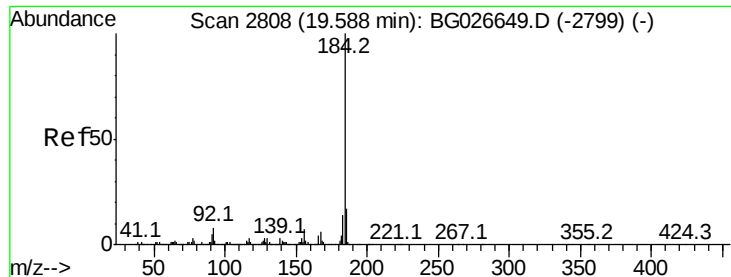


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 3.72 ng

RT: 19.60 min Scan# 2810

Delta R.T. -0.01 min

Lab File: BG026689.D

Acq: 21 Apr 2017 16:52

Instrument :

BNA_G

ClientSampleId :

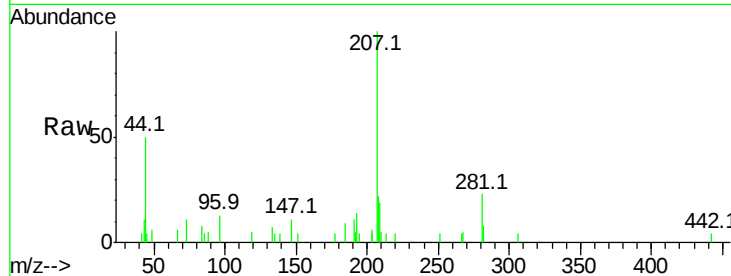
Tot Ion:184 Resp: 193

Ion Ratio Lower Upper

184 100

185 0.0 13.0 19.6#

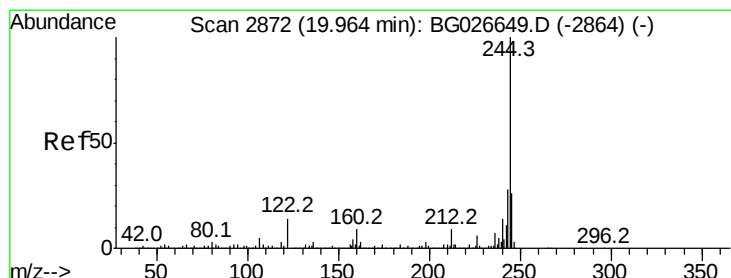
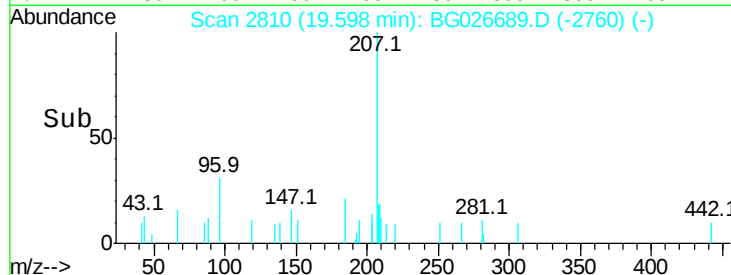
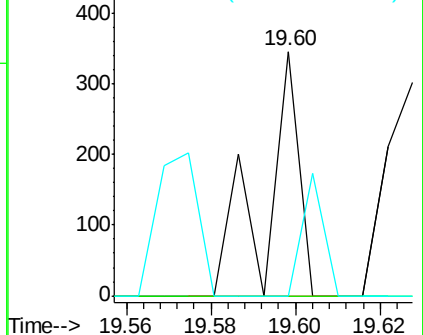
183 0.0 11.0 16.6#



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: 86.92 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG026689.D

Acq: 21 Apr 2017 16:52

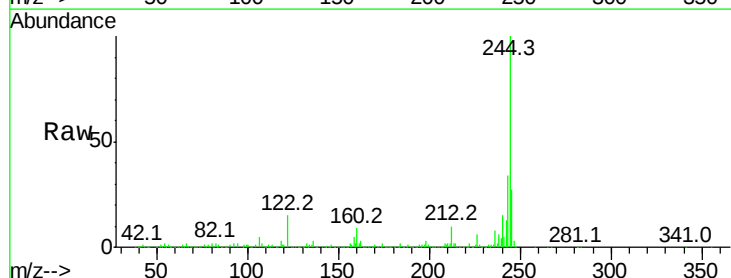
Tgt Ion:244 Resp: 3842211

Ion Ratio Lower Upper

244 100

212 10.0 10.0 15.0#

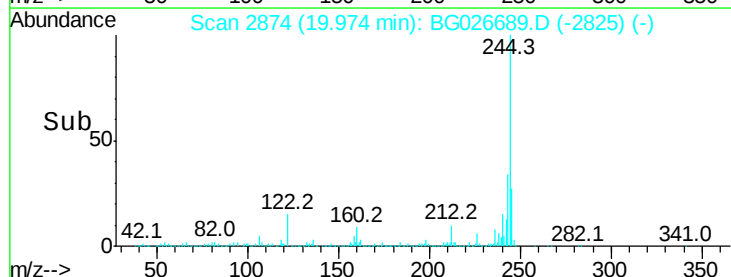
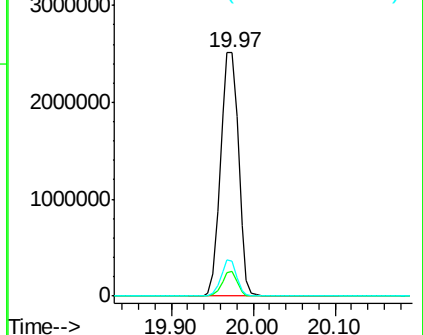
122 14.6 8.6 12.8#

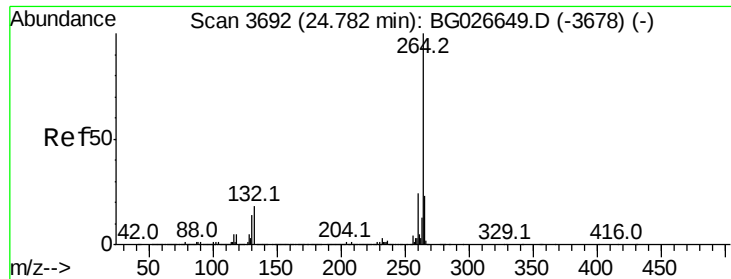


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.79 min Scan# 3694
Delta R.T. -0.03 min
Lab File: BG026689.D
Acq: 21 Apr 2017 16:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 1269305

Ion	Ratio	Lower	Upper
264	100		
260	24.8	21.8	32.8
265	21.6	18.2	27.4

