

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042017\
 Data File : BG026681.D
 Acq On : 20 Apr 2017 18:49
 Operator : SJ/MA
 Sample : I2774-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 21 04:03:47 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

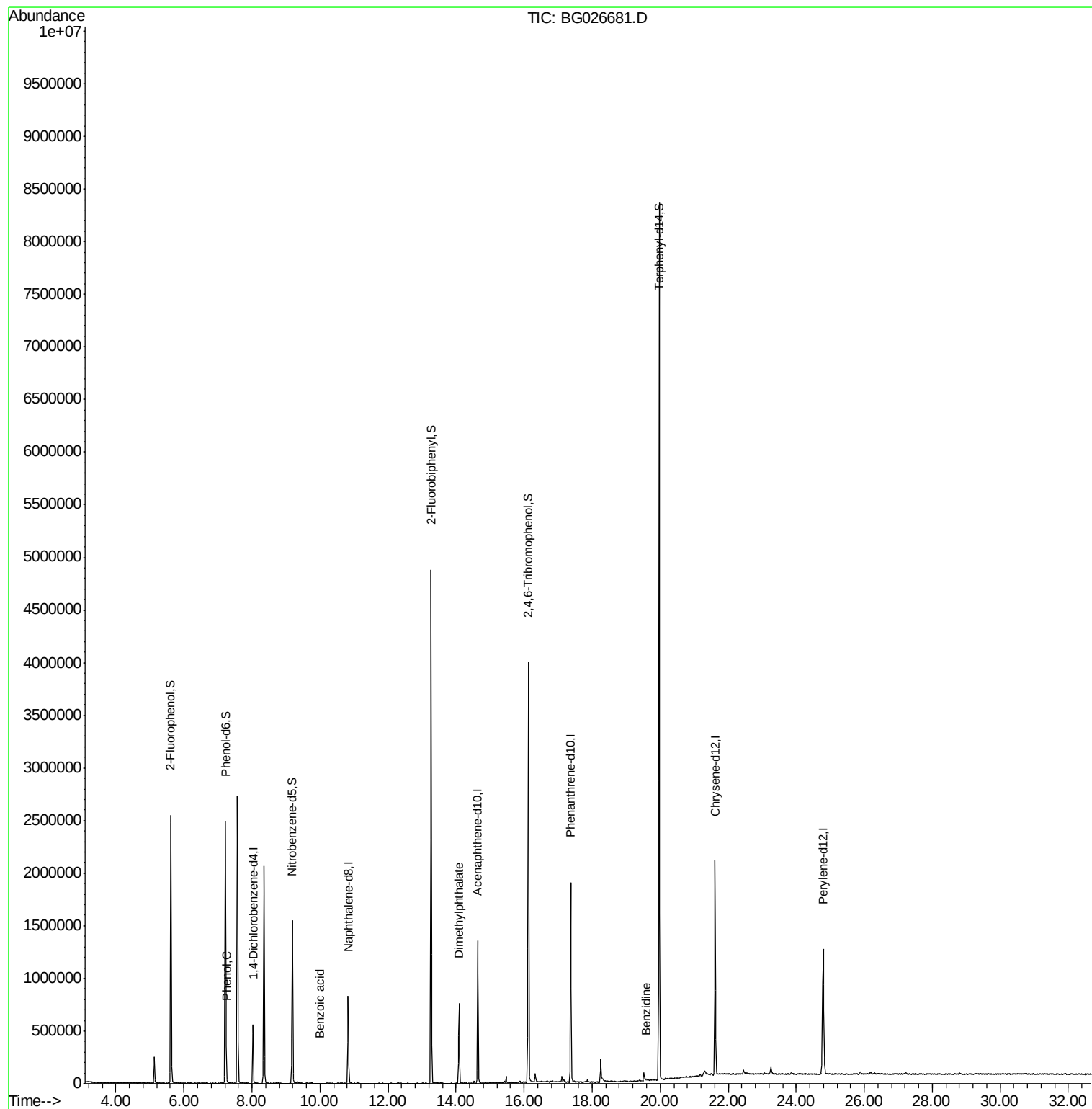
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	176069	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	781460	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	481757	20.00	ng	-0.02
63) Phenanthrene-d10	17.37	188	1209030	20.00	ng	-0.02
75) Chrysene-d12	21.62	240	1287264	20.00	ng	-0.02
86) Perylene-d12	24.79	264	1269870	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1359993	140.42	ng	0.00
7) Phenol-d6	7.22	99	1852280	145.95	ng	0.01
23) Nitrobenzene-d5	9.19	82	951639	84.97	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	851076	126.78	ng	-0.01
44) 2-Fluorobiphenyl	13.26	172	2646435	81.81	ng	-0.02
78) Terphenyl-d14	19.97	244	3567162	81.81	ng	-0.02
Target Compounds						
10) Phenol	7.25	94	35003	2.53	ng	Qvalue 75
32) Benzoic acid	10.00	122	59	9.02	ng	# 1
49) Dimethylphthalate	14.09	163	567756	14.89	ng	98
76) Benzidine	19.59	184	301	3.72	ng	# 1

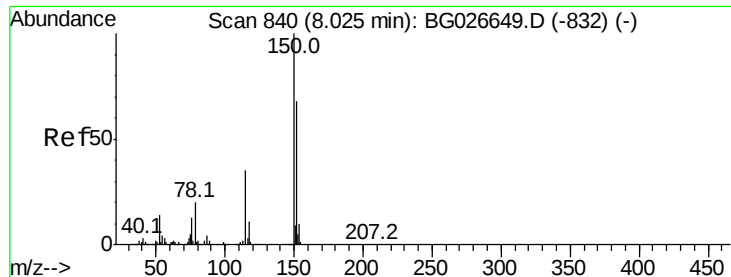
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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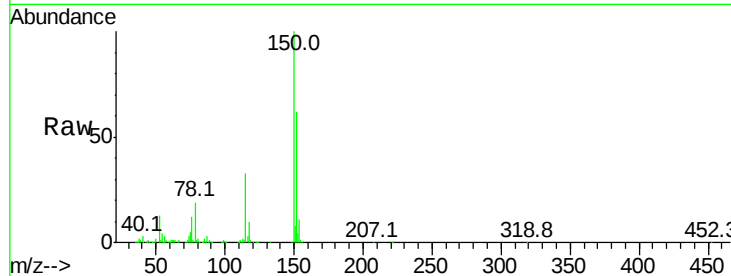


#1

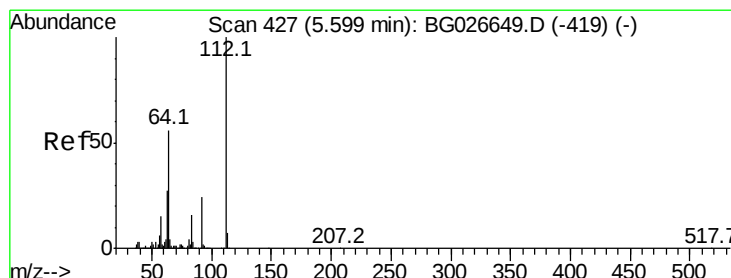
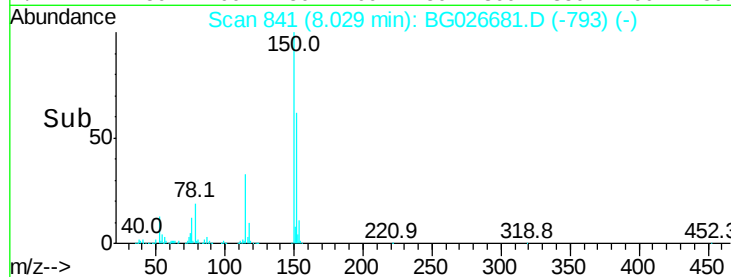
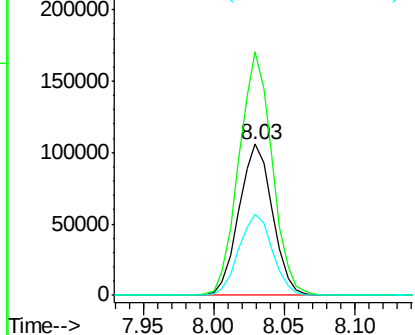
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.02 min
Lab File: BG026681.D
Acq: 20 Apr 2017 18:49

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 176069
Ion Ratio Lower Upper
152 100
150 161.2 114.0 171.0
115 53.5 48.1 72.1



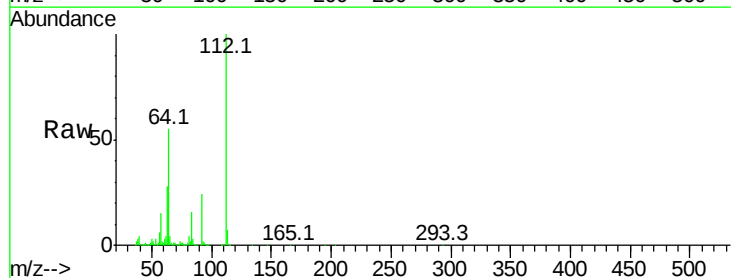
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



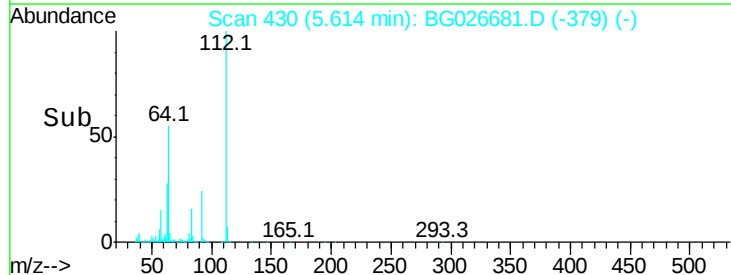
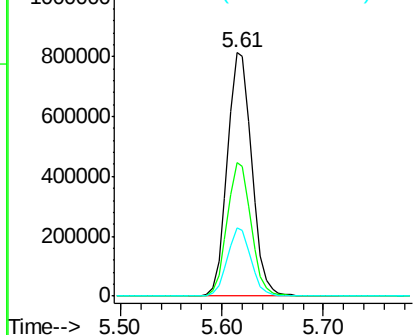
#5

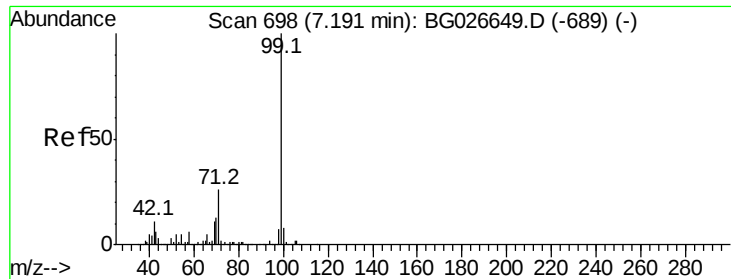
2-Fluorophenol
Concen: 140.42 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG026681.D
Acq: 20 Apr 2017 18:49

Tgt Ion:112 Resp: 1359993
Ion Ratio Lower Upper
112 100
64 54.7 61.8 92.6#
63 28.0 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: 145.95 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG026681.D

Acq: 20 Apr 2017 18:49

Instrument :

BNA_G

ClientSampleId :

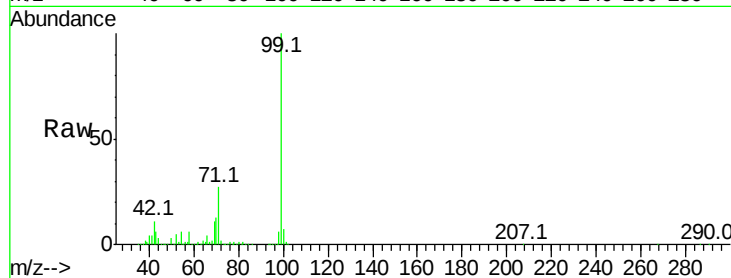
Tot Ion: 99 Resp: 1852280

Ion Ratio Lower Upper

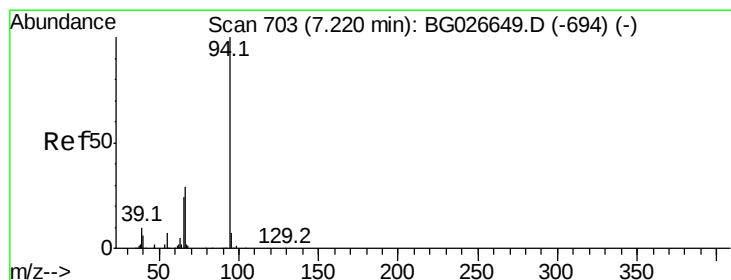
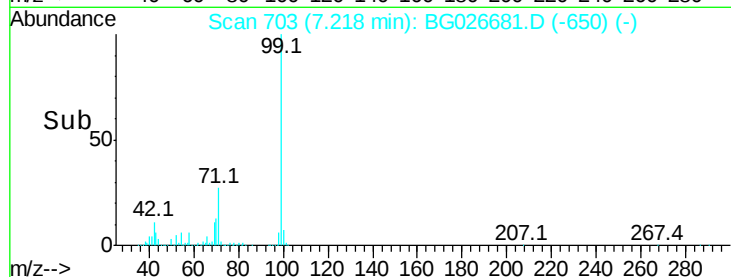
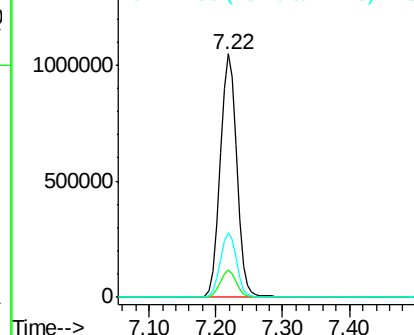
99 100

42 11.2 20.5 30.7#

71 26.7 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



#10

Phenol

Concen: 2.53 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.01 min

Lab File: BG026681.D

Acq: 20 Apr 2017 18:49

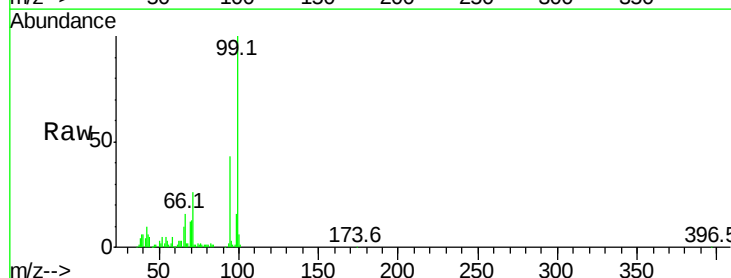
Tgt Ion: 94 Resp: 35003

Ion Ratio Lower Upper

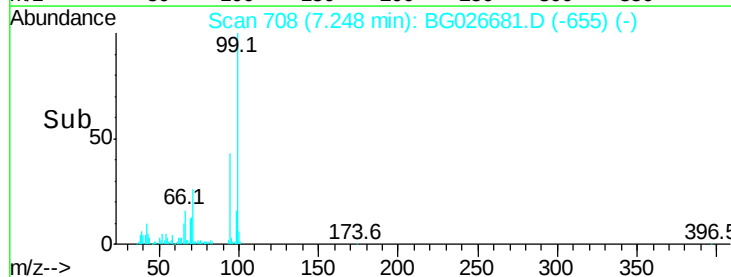
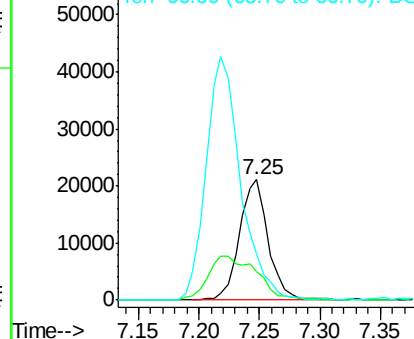
94 100

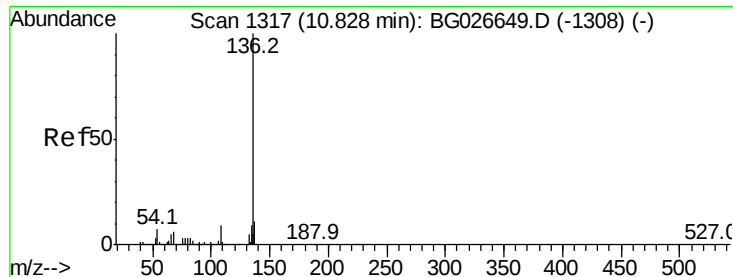
65 23.9 20.6 60.6

66 38.5 35.5 75.5



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BG026681.D

Acq: 20 Apr 2017 18:49

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 781460

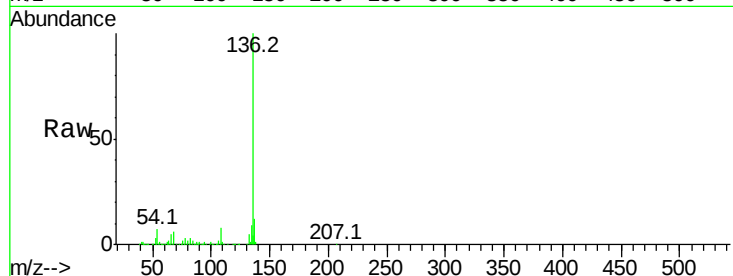
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.9	13.3
54	6.5	9.3	13.9#
68	5.9	5.1	7.7

136 100

137 11.7 8.9 13.3

54 6.5 9.3 13.9#

68 5.9 5.1 7.7



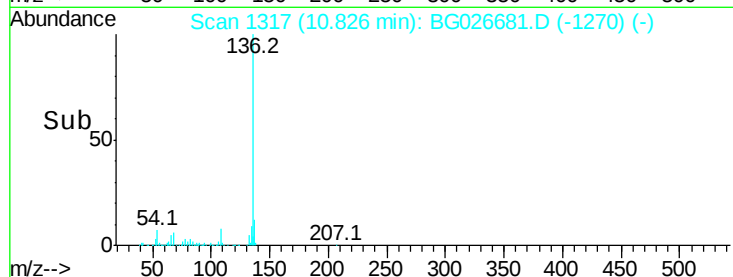
Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B

Time--> 10.70 10.80 10.90



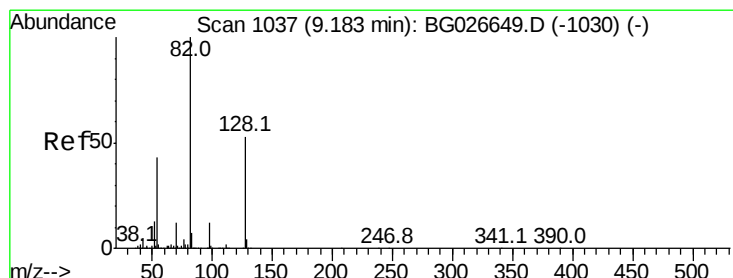
Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B

Time--> 9.10 9.15 9.20 9.25 9.30



#23

Nitrobenzene-d5

Concen: 84.97 ng

RT: 9.19 min Scan# 1038

Delta R.T. -0.02 min

Lab File: BG026681.D

Acq: 20 Apr 2017 18:49

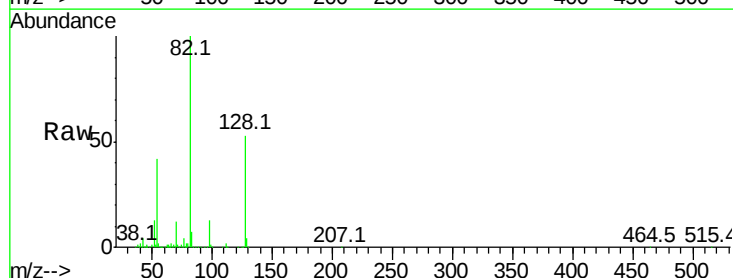
Tgt Ion: 82 Resp: 951639

Ion	Ratio	Lower	Upper
82	100		
128	53.1	26.4	39.6#
54	42.5	49.4	74.2#

82 100

128 53.1 26.4 39.6#

54 42.5 49.4 74.2#

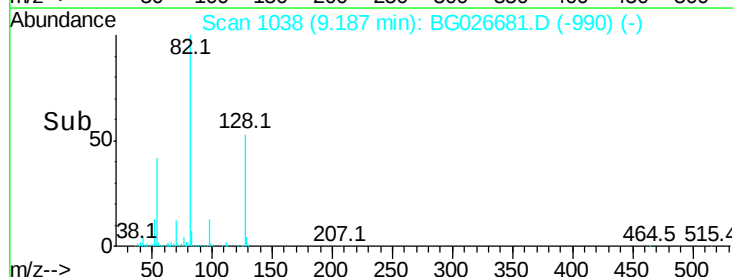


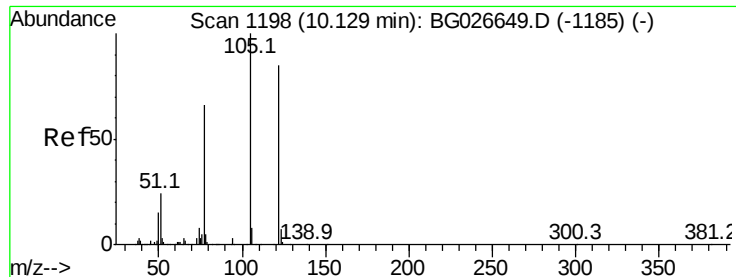
Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B

Time--> 9.10 9.15 9.20 9.25 9.30

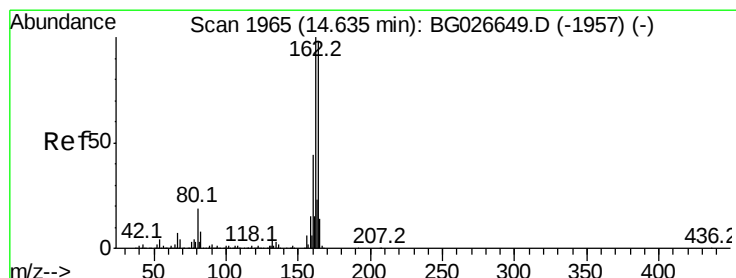
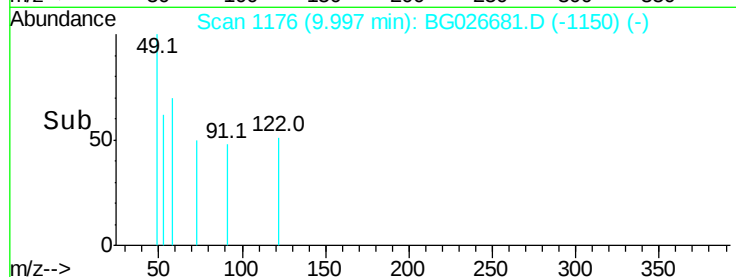
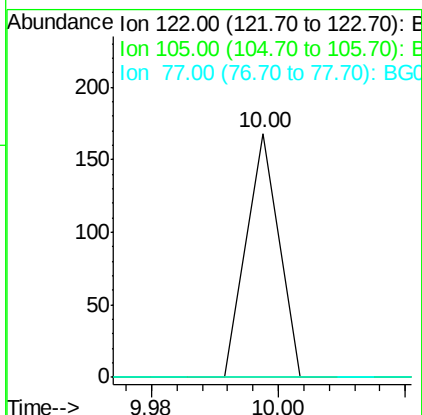
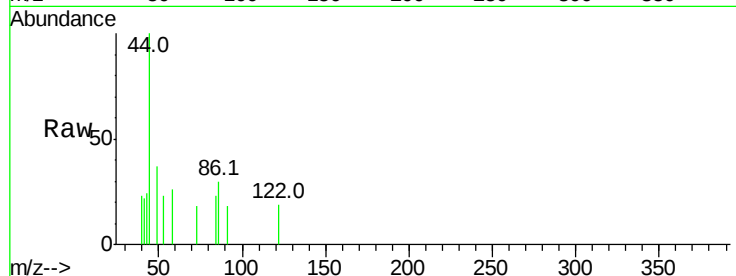




#32
Benzoic acid
Concen: 9.02 ng
RT: 10.00 min Scan# 1176
Delta R.T. -0.15 min
Lab File: BG026681.D
Acq: 20 Apr 2017 18:49

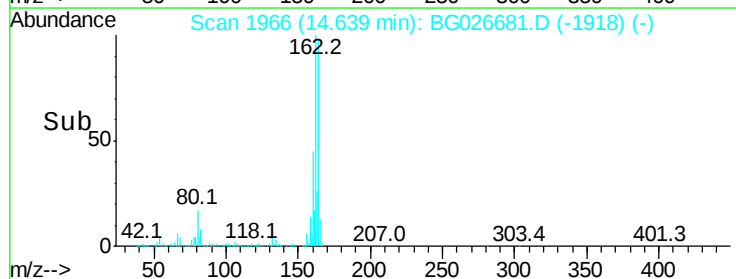
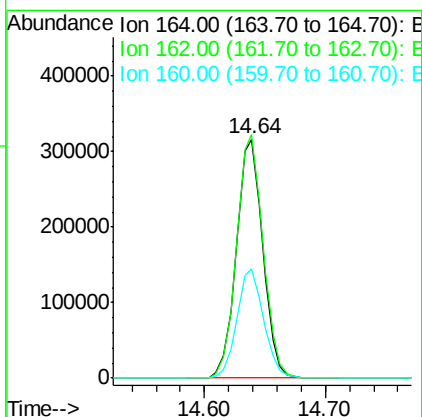
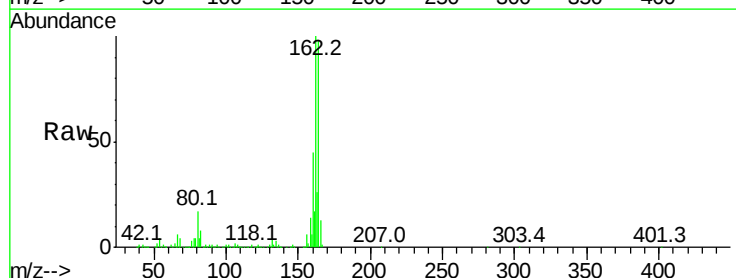
Instrument :
BNA_G
ClientSampleId :

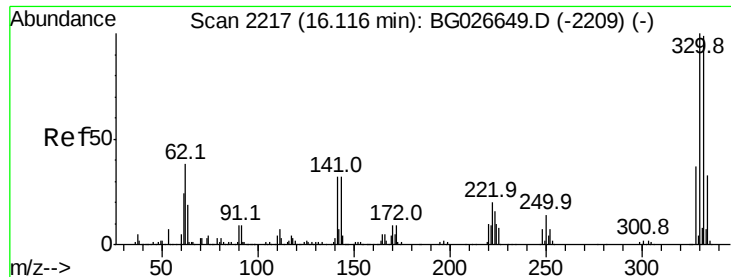
Tot Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 0.0 120.1 160.1#
77 0.0 104.6 144.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.02 min
Lab File: BG026681.D
Acq: 20 Apr 2017 18:49

Tgt Ion:164 Resp: 481757
Ion Ratio Lower Upper
164 100
162 101.9 85.1 127.7
160 45.5 34.7 52.1

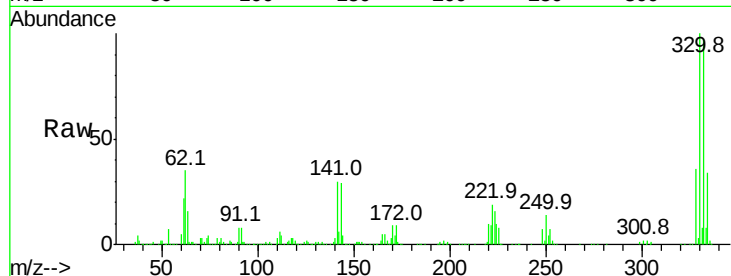




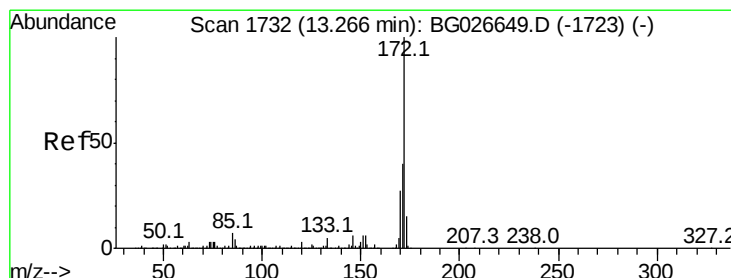
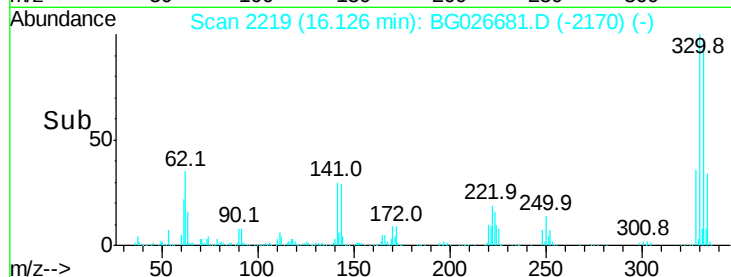
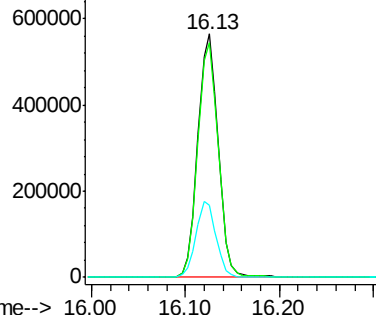
#41
 2,4,6-Tribromophenol
 Concen: 126.78 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG026681.D
 Acq: 20 Apr 2017 18:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 851076
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.3 115.9
 141 31.1 32.1 48.1#

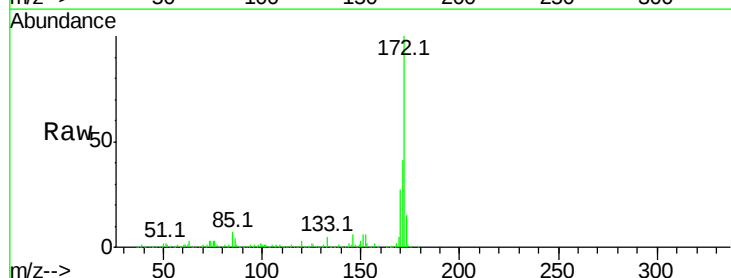


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

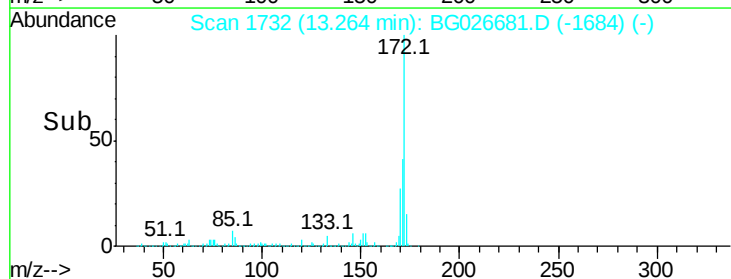
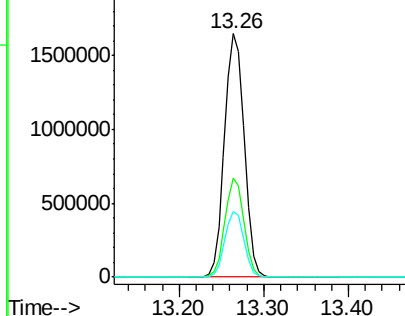


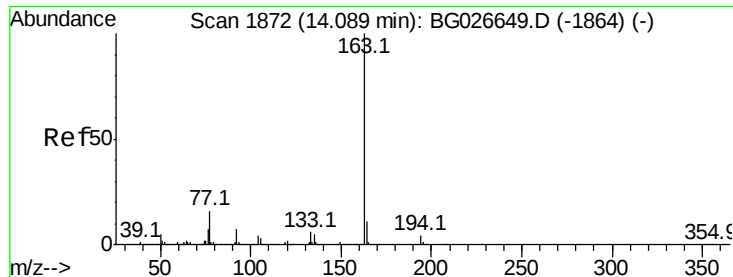
#44
 2-Fluorobiphenyl
 Concen: 81.81 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.02 min
 Lab File: BG026681.D
 Acq: 20 Apr 2017 18:49

Tgt Ion:172 Resp: 2646435
 Ion Ratio Lower Upper
 172 100
 171 40.7 32.2 48.2
 170 27.2 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

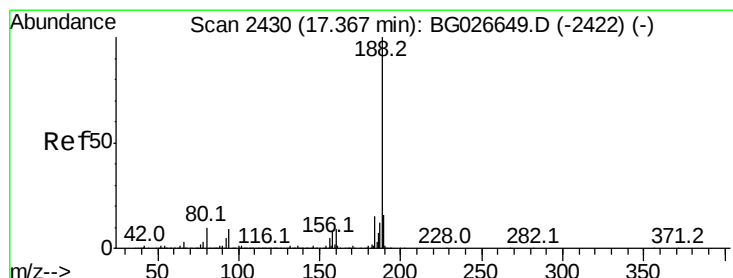
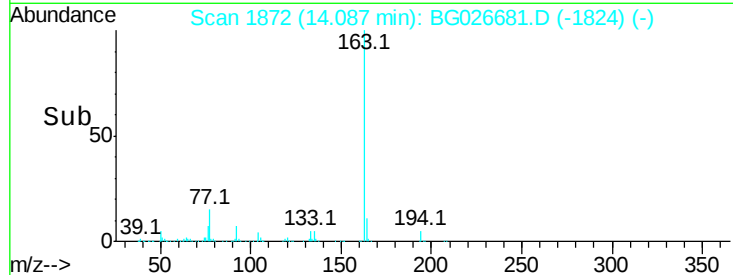
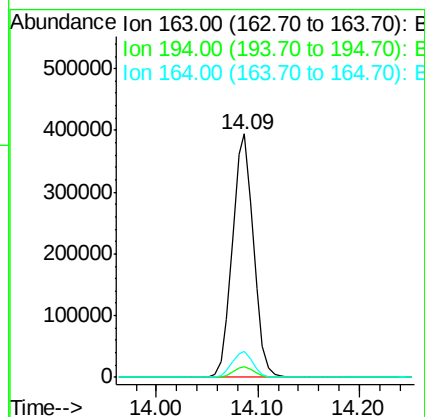
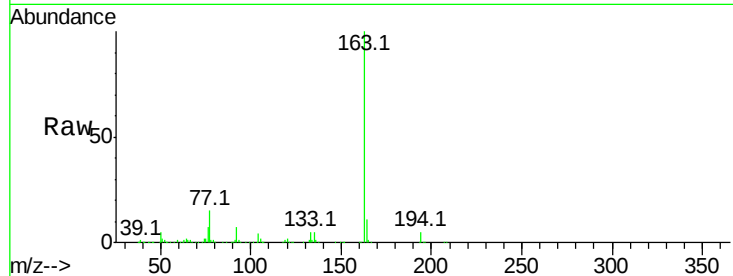




#49
Dimethylphthalate
Concen: 14.89 ng
RT: 14.09 min Scan# 1872
Delta R.T. -0.02 min
Lab File: BG026681.D
Acq: 20 Apr 2017 18:49

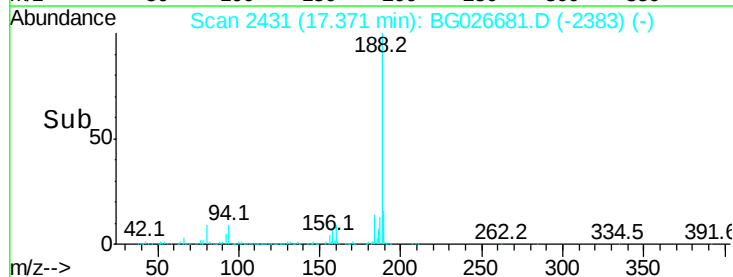
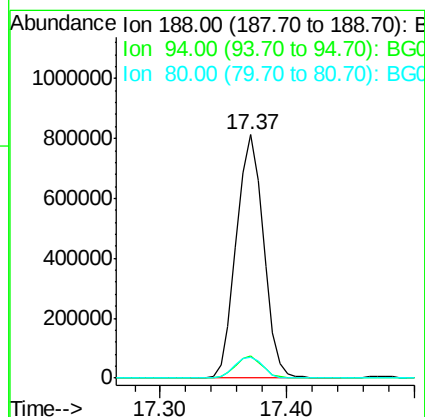
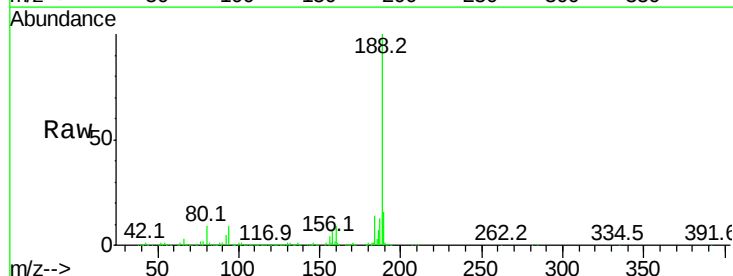
Instrument :
BNA_G
ClientSampled :

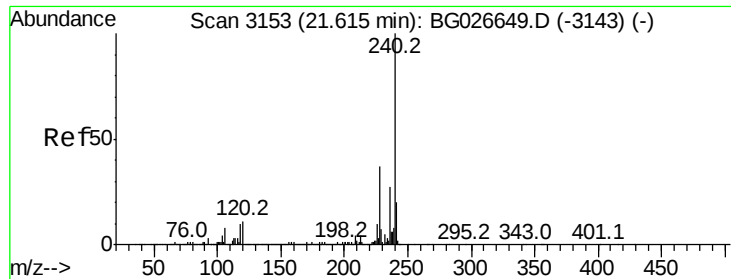
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.8	5.6
164	10.5	9.3	13.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.02 min
Lab File: BG026681.D
Acq: 20 Apr 2017 18:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	5.8	8.8#
80	8.6	7.5	11.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.62 min Scan# 3154

Delta R.T. -0.02 min

Lab File: BG026681.D

Acq: 20 Apr 2017 18:49

Instrument :

BNA_G

ClientSampled :

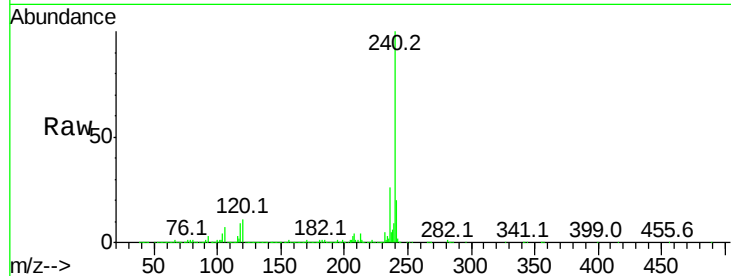
Tot Ion:240 Resp: 1287264

Ion Ratio Lower Upper

240 100

120 10.9 5.7 8.5#

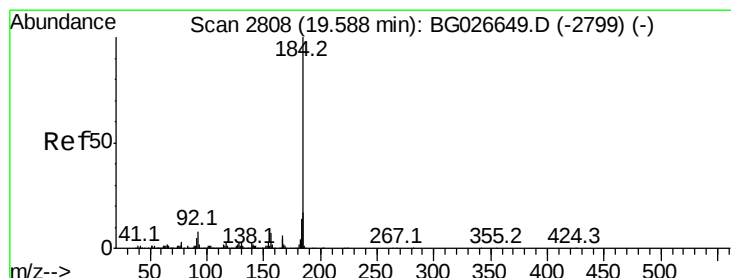
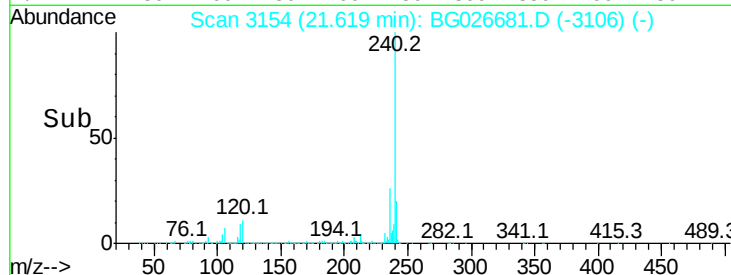
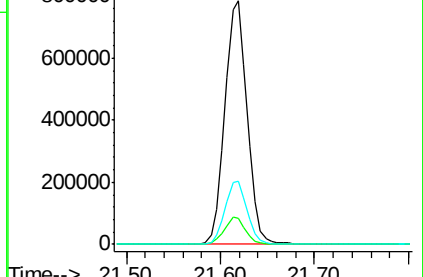
236 26.0 22.2 33.4



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: 19.59 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BG026681.D

Acq: 20 Apr 2017 18:49

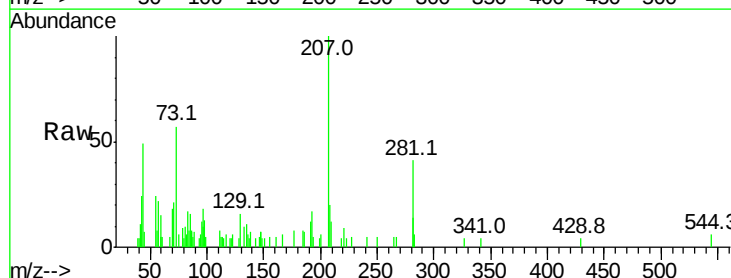
Tgt Ion:184 Resp: 301

Ion Ratio Lower Upper

184 100

185 88.0 13.0 19.6#

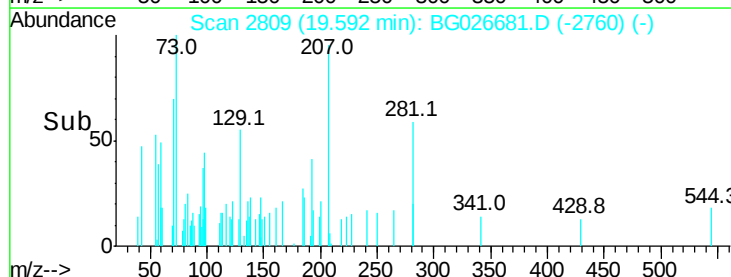
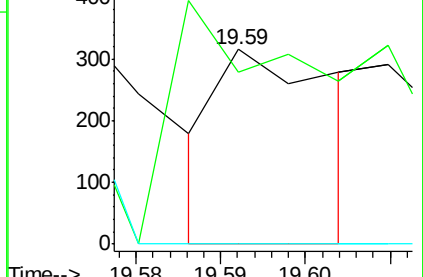
183 0.0 11.0 16.6#

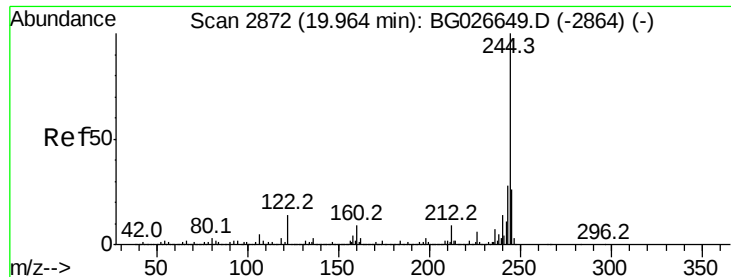


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 81.81 ng

RT: 19.97 min Scan# 2873

Delta R.T. -0.02 min

Lab File: BG026681.D

Acq: 20 Apr 2017 18:49

Instrument :

BNA_G

ClientSampleId :

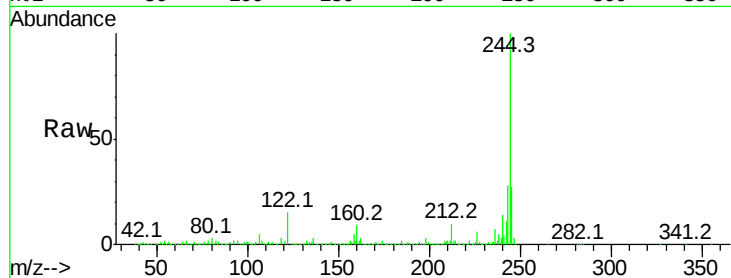
Tot Ion:244 Resp: 3567162

Ion Ratio Lower Upper

244 100

212 9.6 10.0 15.0#

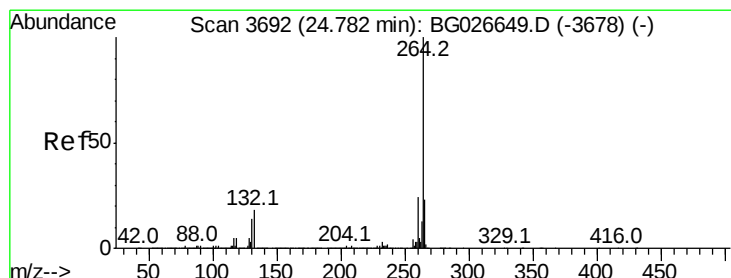
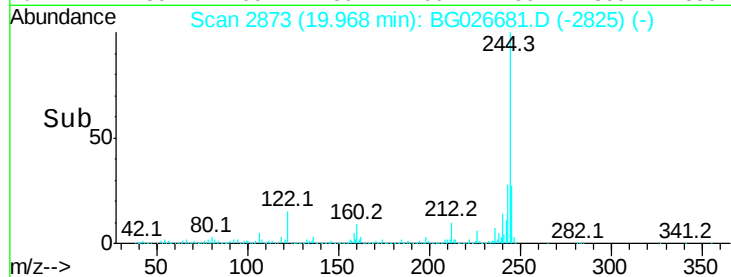
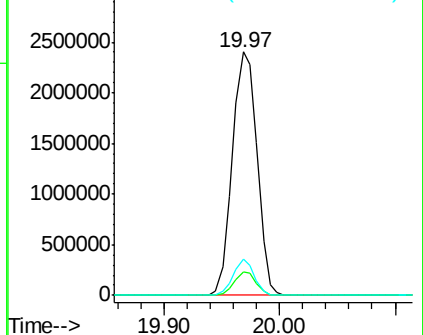
122 14.8 8.6 12.8#



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: 24.79 min Scan# 3694

Delta R.T. -0.03 min

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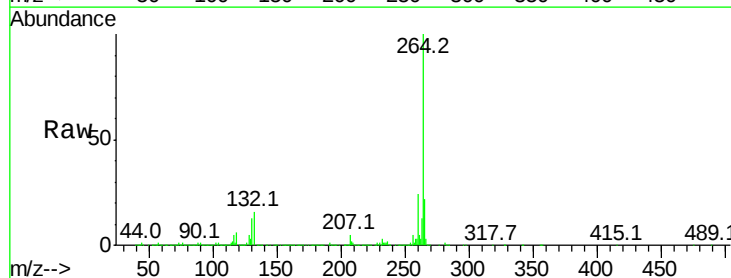
Tgt Ion:264 Resp: 1269870

Ion Ratio Lower Upper

264 100

260 24.0 21.8 32.8

265 21.9 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

