

Data Path : Z:\HPCHEM1\BNA_G\Data\BG072916\
 Data File : BG023333.D
 Acq On : 29 Jul 2016 9:44
 Operator : UM/SJ
 Sample : H4213-18
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 L-7

Quant Time: Jul 29 13:29:05 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG072616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:30:33 2016
 Response via : Initial Calibration

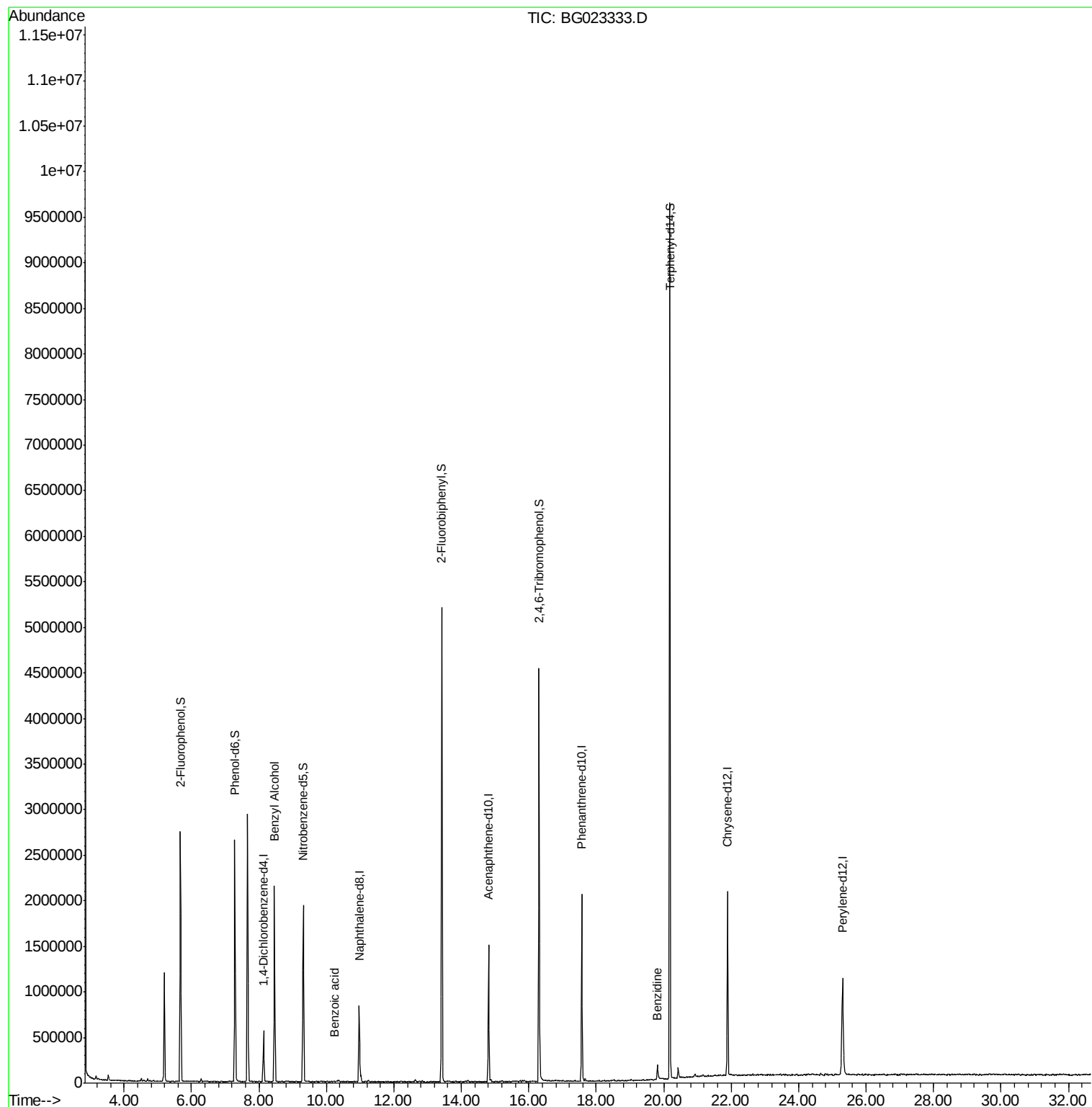
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	151393	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	702990	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	502211	20.00	ng	0.00
63) Phenanthrene-d10	17.57	188	1183793	20.00	ng	0.00
75) Chrysene-d12	21.89	240	1221359	20.00	ng	0.00
86) Perylene-d12	25.30	264	1225479	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	1165264	131.40	ng	0.00
7) Phenol-d6	7.29	99	1661449	122.03	ng	0.00
23) Nitrobenzene-d5	9.31	82	1236858	86.04	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	837022	161.03	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	2538804	94.61	ng	0.00
78) Terphenyl-d14	20.18	244	3241038	86.26	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.46	79	20510	2.24	ng	# 57
32) Benzoic acid	10.25	122	114	8.12	ng	# 7
76) Benzidine	19.81	184	115663	3.37	ng	98

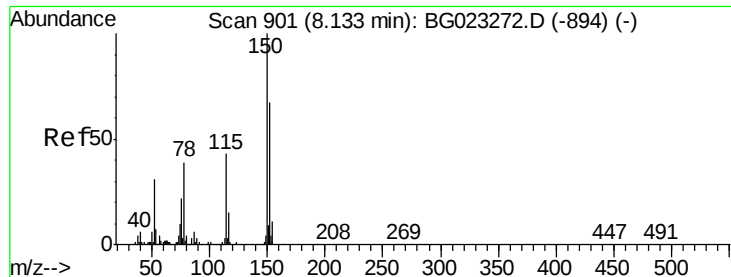
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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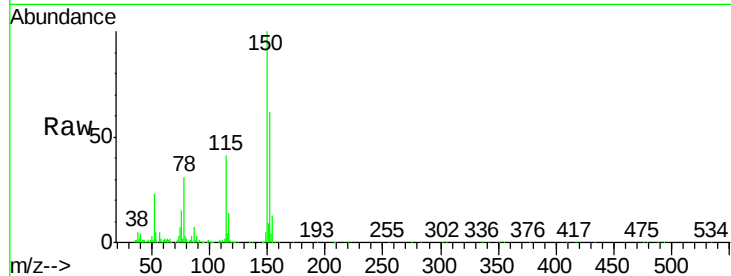


#1

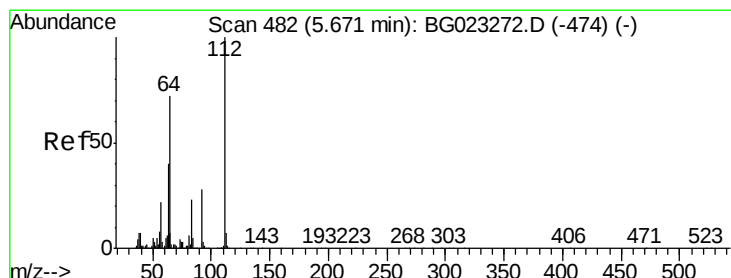
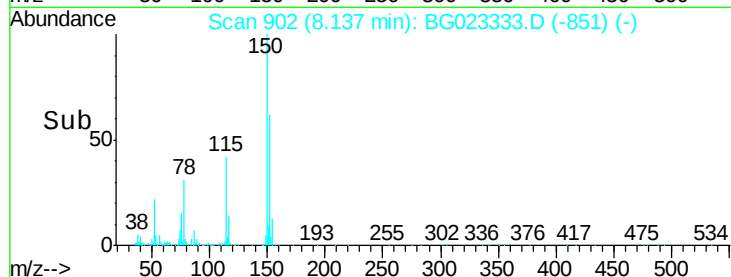
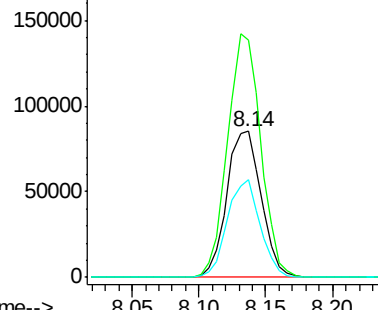
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.14 min Scan# 902
 Delta R.T. -0.00 min
 Lab File: BG023333.D
 Acq: 29 Jul 2016 9:44

Instrument :
 BNA_G
 ClientSampleId :
 L-7

Tgt Ion:152 Resp: 151393
 Ion Ratio Lower Upper
 152 100
 150 162.0 144.7 217.1
 115 67.1 64.0 96.0



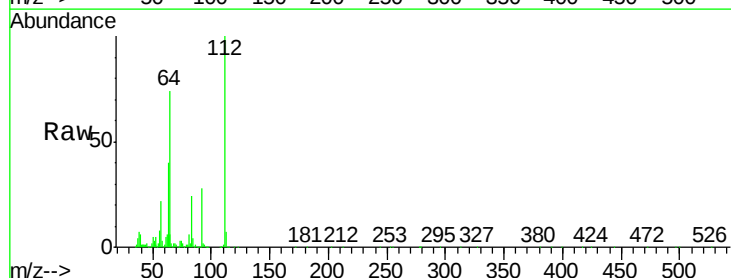
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



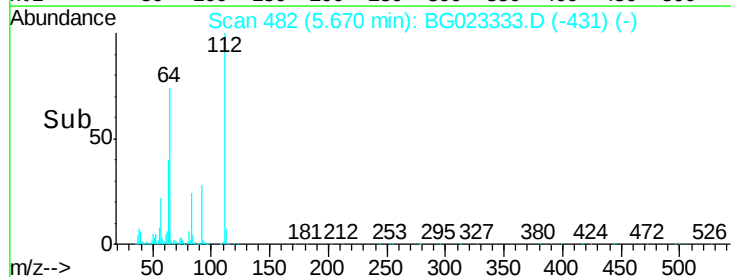
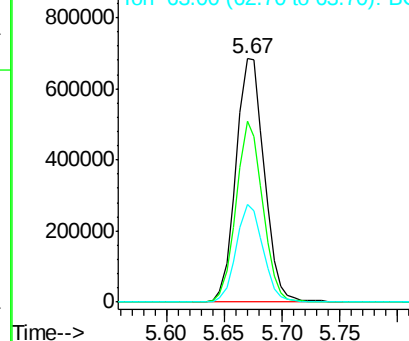
#5

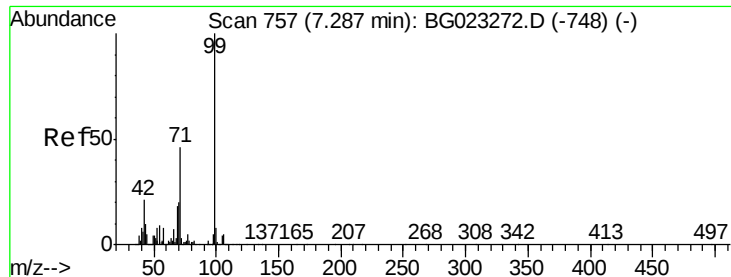
2-Fluorophenol
 Concen: 131.40 ng
 RT: 5.67 min Scan# 482
 Delta R.T. -0.00 min
 Lab File: BG023333.D
 Acq: 29 Jul 2016 9:44

Tgt Ion:112 Resp: 1165264
 Ion Ratio Lower Upper
 112 100
 64 74.2 59.0 88.4
 63 39.9 37.8 56.8



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: 122.03 ng

RT: 7.29 min Scan# 758

Delta R.T. 0.00 min

Lab File: BG023333.D

Acq: 29 Jul 2016 9:44

Instrument :

BNA_G

ClientSampleId :

L-7

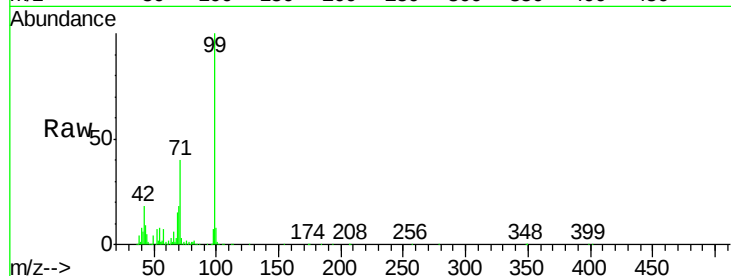
Tgt Ion: 99 Resp: 1661449

Ion Ratio Lower Upper

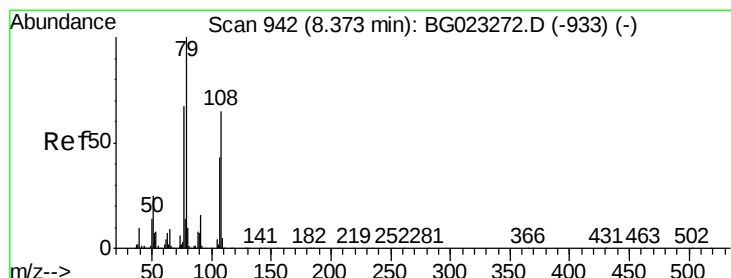
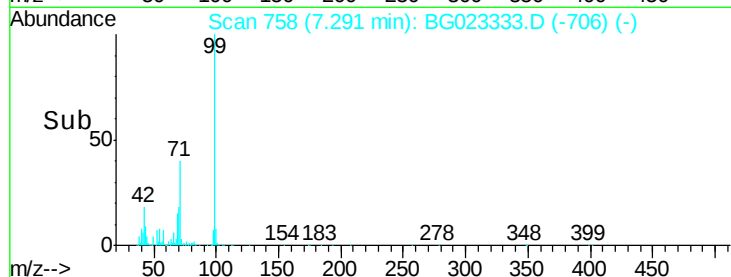
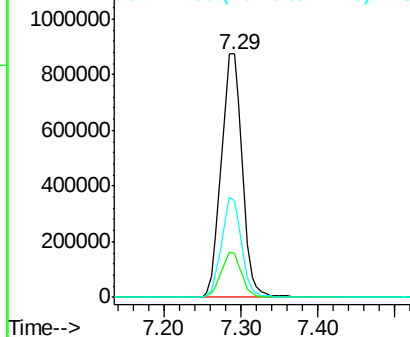
99 100

42 18.1 17.8 26.6

71 39.7 41.5 62.3#



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: 2.24 ng

RT: 8.46 min Scan# 957

Delta R.T. 0.08 min

Lab File: BG023333.D

Acq: 29 Jul 2016 9:44

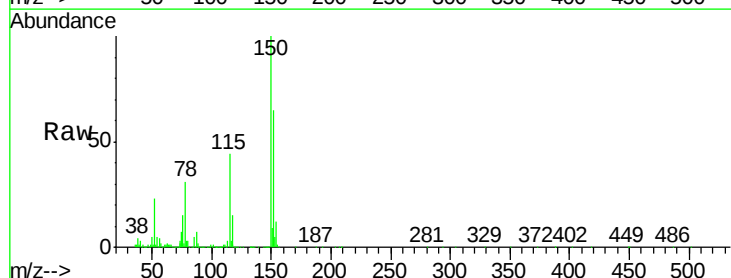
Tgt Ion: 79 Resp: 20510

Ion Ratio Lower Upper

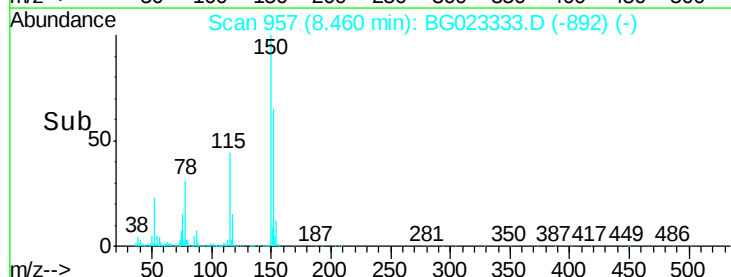
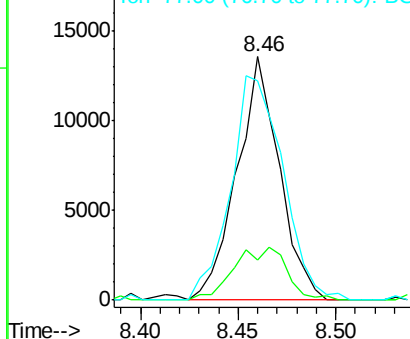
79 100

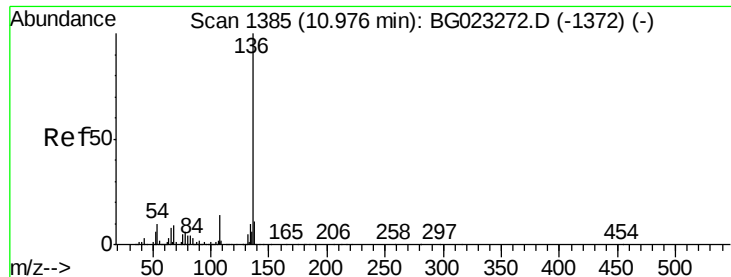
108 16.2 46.5 69.7#

77 90.0 52.3 78.5#



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

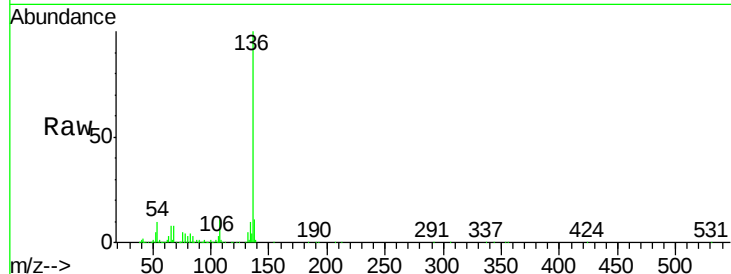




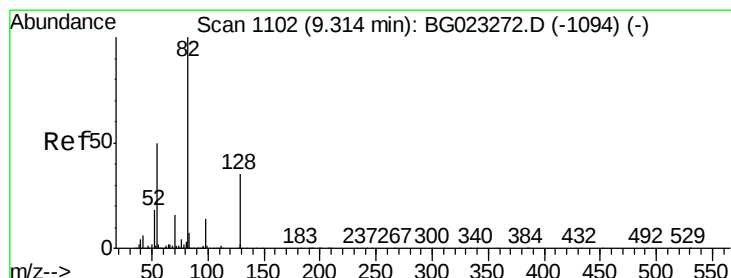
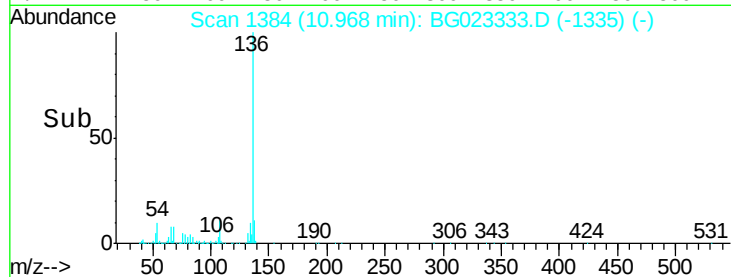
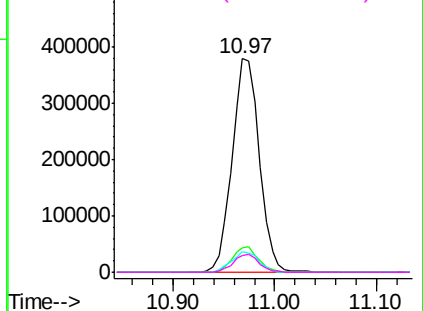
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.97 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BG023333.D
Acq: 29 Jul 2016 9:44

Instrument :
BNA_G
ClientSampleId :
L-7

Tgt Ion:	136	Resp:	702990
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.6	14.4
54	9.8	7.3	10.9
68	7.7	5.3	7.9

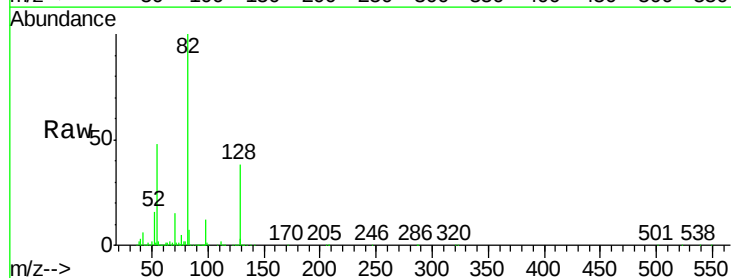


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

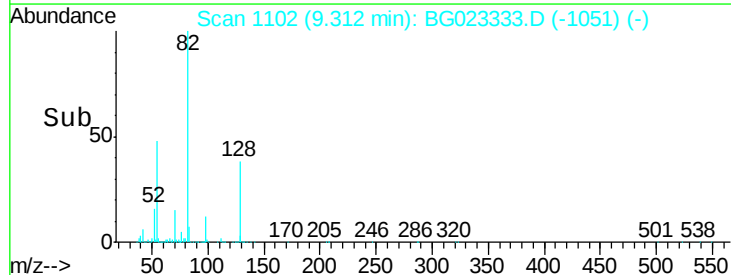
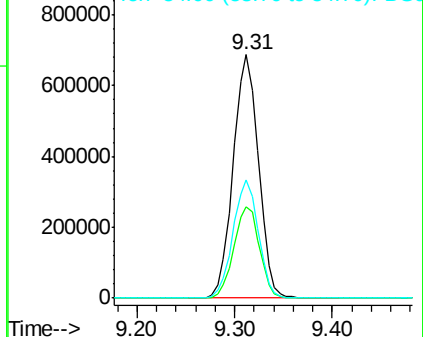


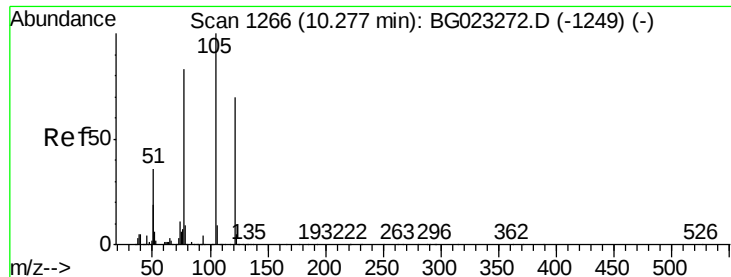
#23
Nitrobenzene-d5
Concen: 86.04 ng
RT: 9.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: BG023333.D
Acq: 29 Jul 2016 9:44

Tgt Ion:	82	Resp:	1236858
Ion	Ratio	Lower	Upper
82	100		
128	37.7	24.4	36.6#
54	48.3	41.4	62.0



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: 8.12 ng

RT: 10.25 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BG023333.D

Acq: 29 Jul 2016 9:44

Instrument :

BNA_G

ClientSampleId :

L-7

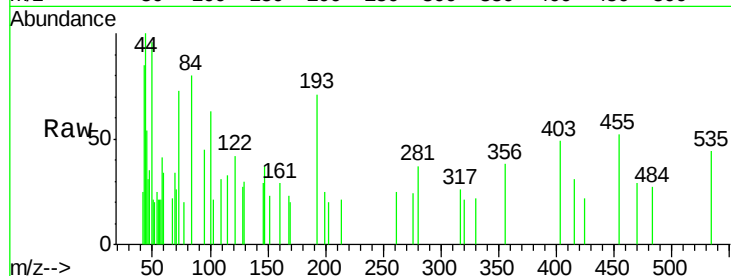
Tgt Ion:122 Resp: 114

Ion Ratio Lower Upper

122 100

105 0.0 117.2 157.2#

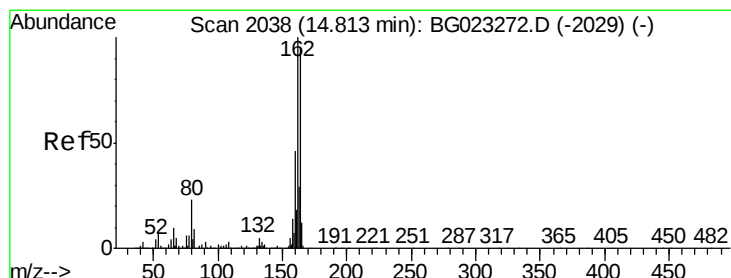
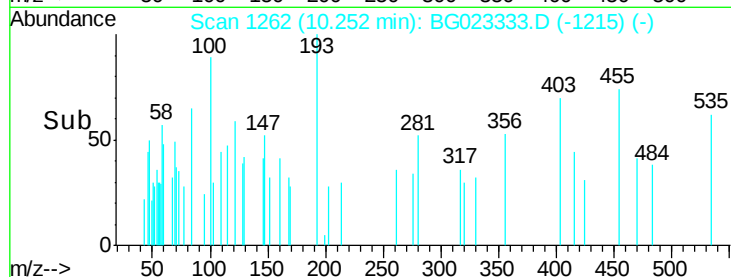
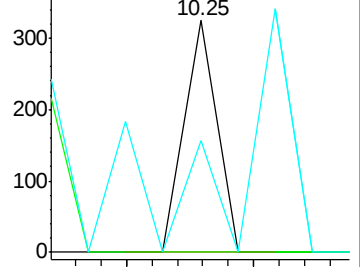
77 48.1 109.2 149.2#



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): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BG023333.D

Acq: 29 Jul 2016 9:44

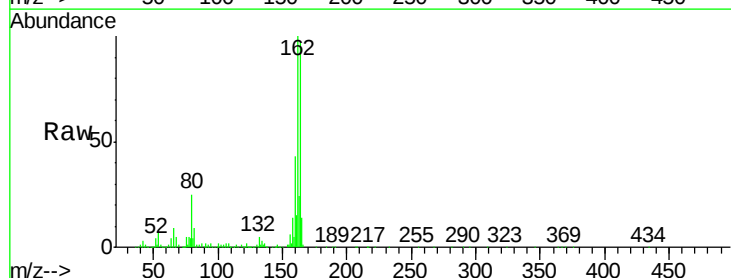
Tgt Ion:164 Resp: 502211

Ion Ratio Lower Upper

164 100

162 103.5 87.7 131.5

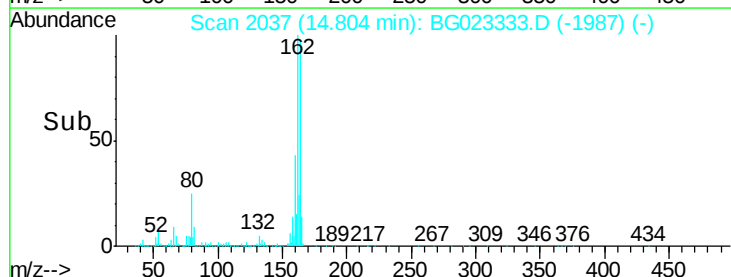
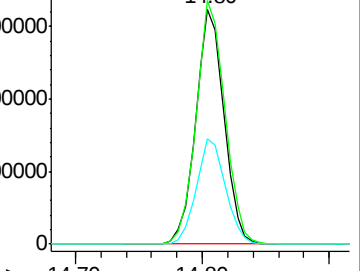
160 44.6 37.2 55.8

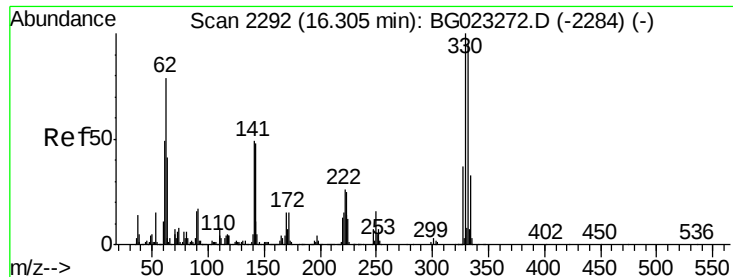


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

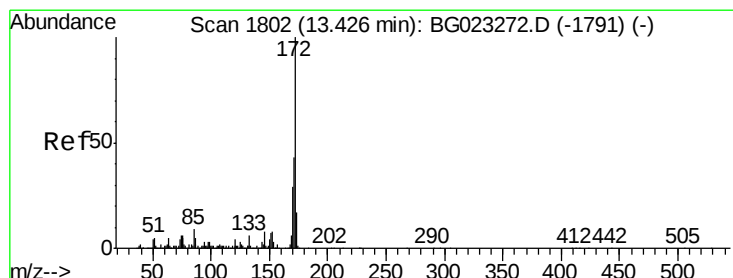
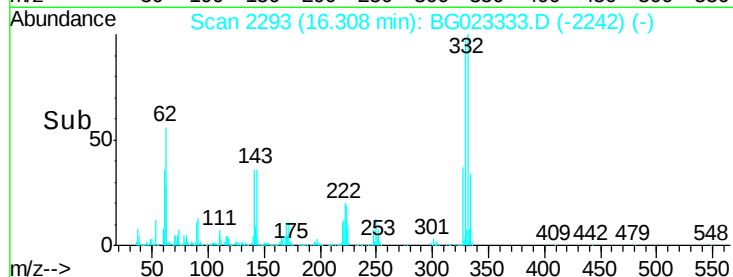
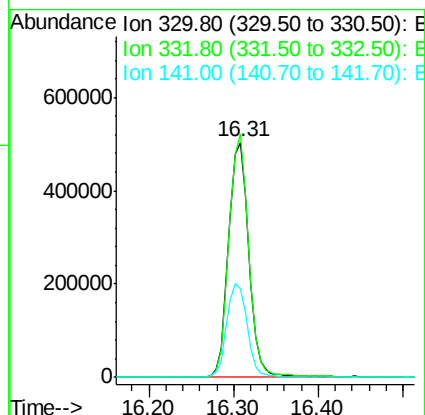
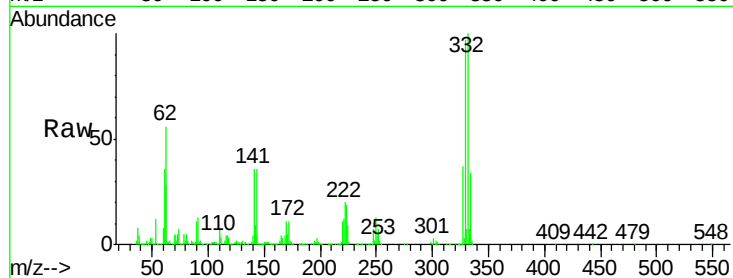




#41
 2,4,6-Tribromophenol
 Concen: 161.03 ng
 RT: 16.31 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: BG023333.D
 Acq: 29 Jul 2016 9:44

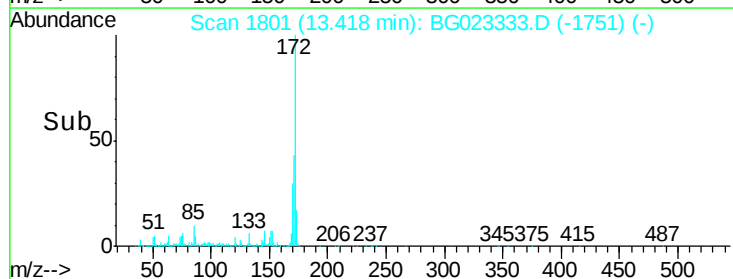
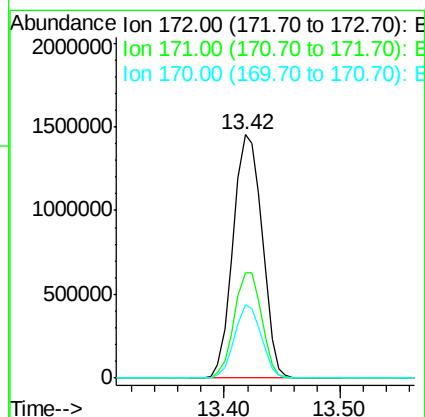
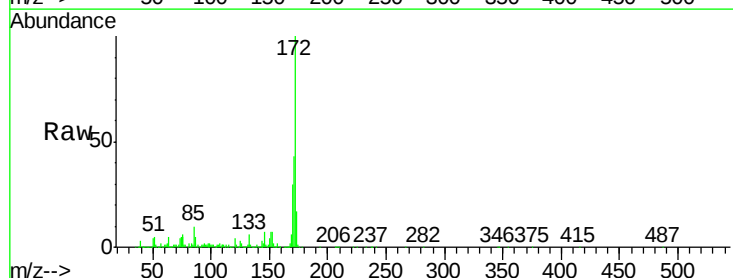
Instrument :
 BNA_G
 ClientSampleId :
 L-7

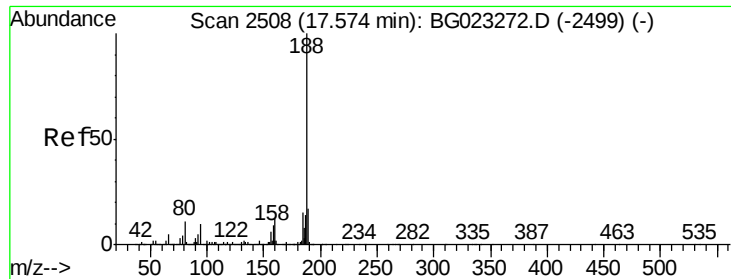
Tgt Ion:330 Resp: 837022
 Ion Ratio Lower Upper
 330 100
 332 100.4 77.4 116.2
 141 40.2 31.7 47.5



#44
 2-Fluorobiphenyl
 Concen: 94.61 ng
 RT: 13.42 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: BG023333.D
 Acq: 29 Jul 2016 9:44

Tgt Ion:172 Resp: 2538804
 Ion Ratio Lower Upper
 172 100
 171 43.5 31.6 47.4
 170 30.1 21.3 31.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.57 min Scan# 2508

Delta R.T. 0.00 min

Lab File: BG023333.D

Acq: 29 Jul 2016 9:44

Instrument :

BNA_G

ClientSampleId :

L-7

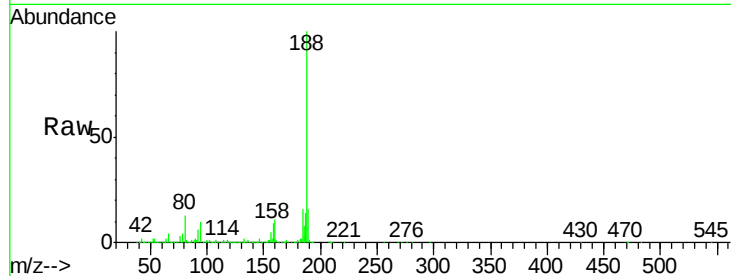
Tgt Ion:188 Resp: 1183793

Ion Ratio Lower Upper

188 100

94 10.3 5.2 7.8#

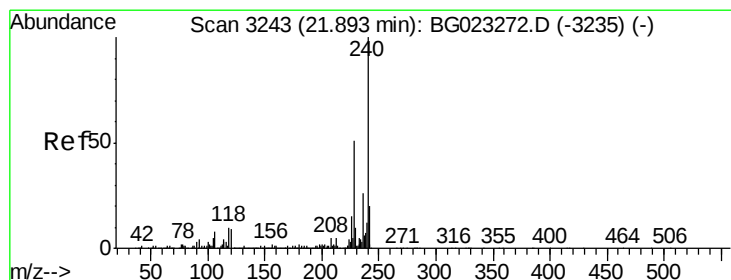
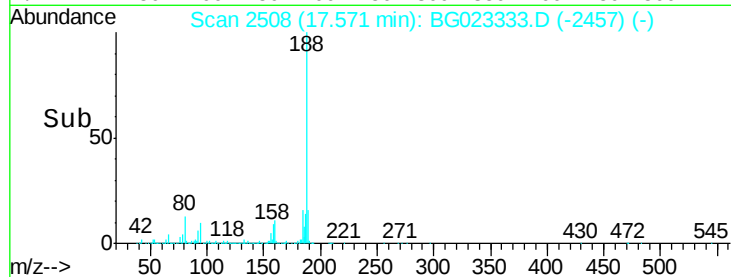
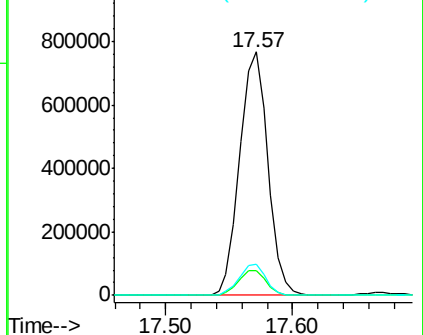
80 12.6 7.2 10.8#



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: 21.89 min Scan# 3243

Delta R.T. 0.00 min

Lab File: BG023333.D

Acq: 29 Jul 2016 9:44

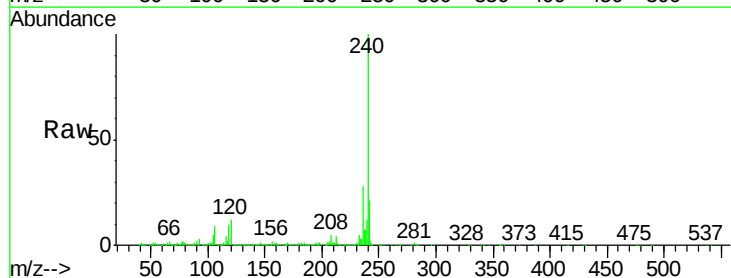
Tgt Ion:240 Resp: 1221359

Ion Ratio Lower Upper

240 100

120 12.3 4.1 6.1#

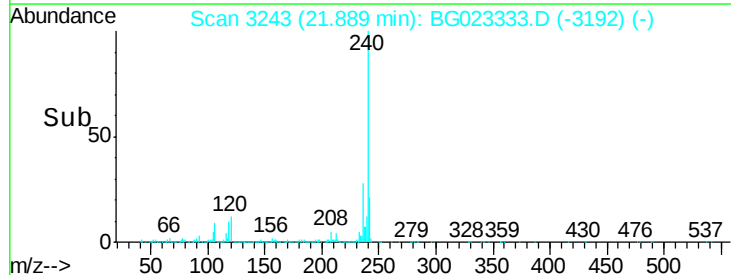
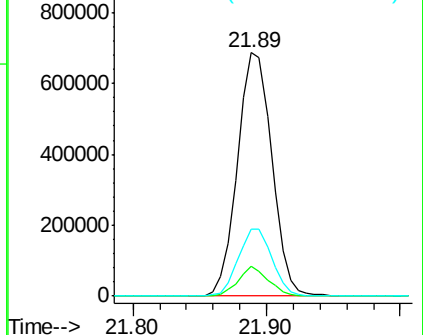
236 27.8 21.1 31.7

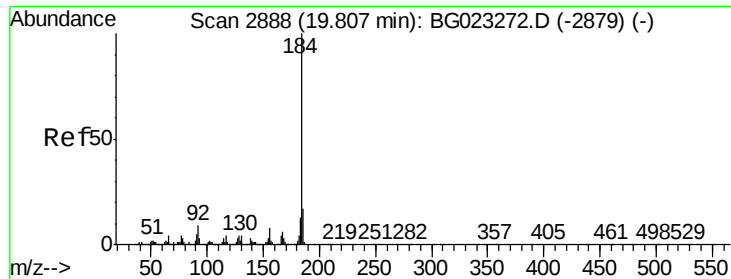


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

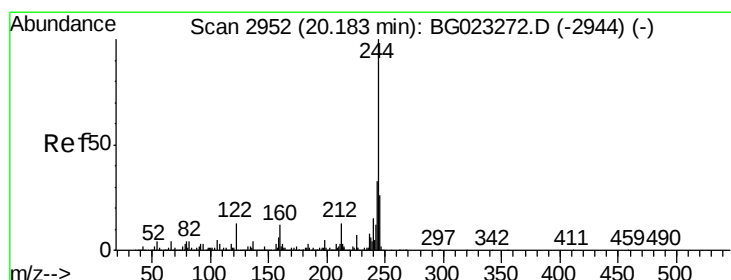
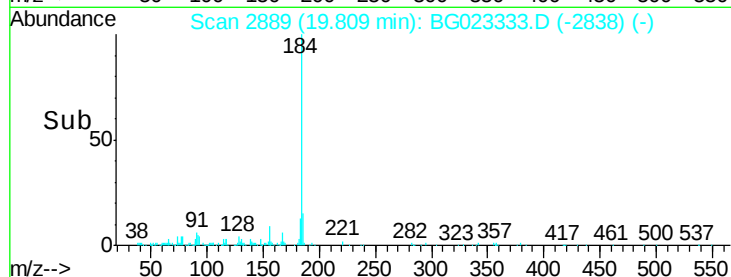
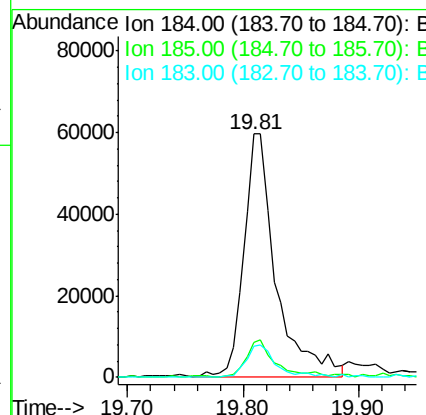
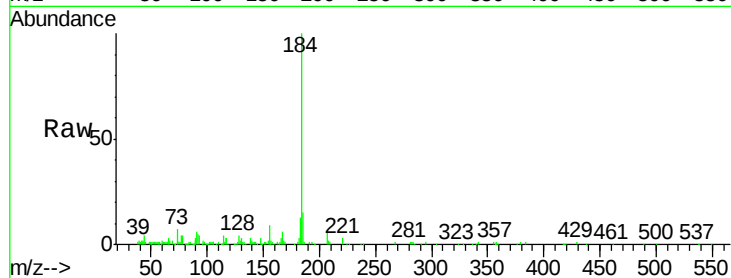




#76
Benzidine
Concen: 3.37 ng
RT: 19.81 min Scan# 2889
Delta R.T. 0.00 min
Lab File: BG023333.D
Acq: 29 Jul 2016 9:44

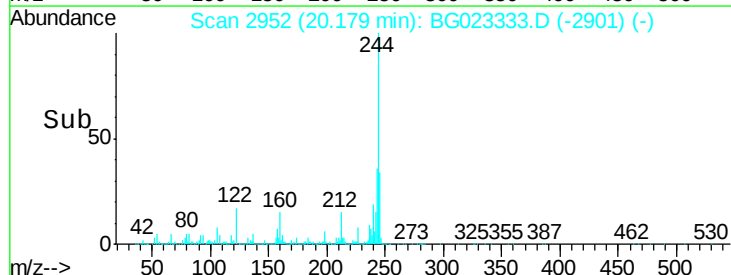
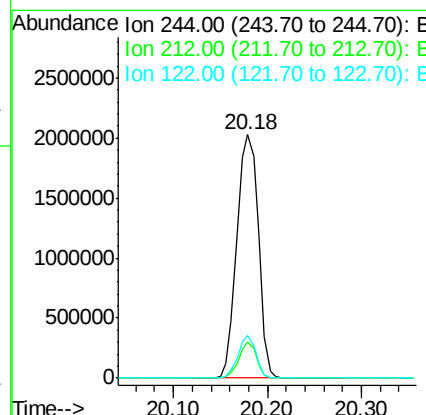
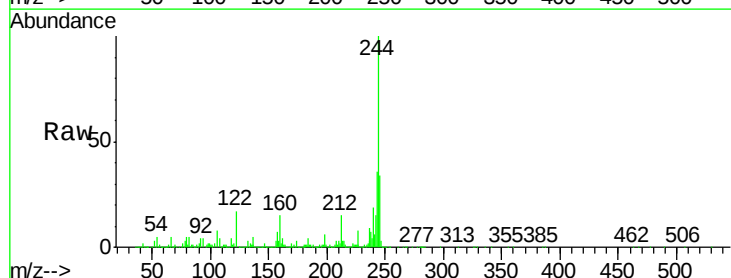
Instrument :
BNA_G
ClientSampleId :
L-7

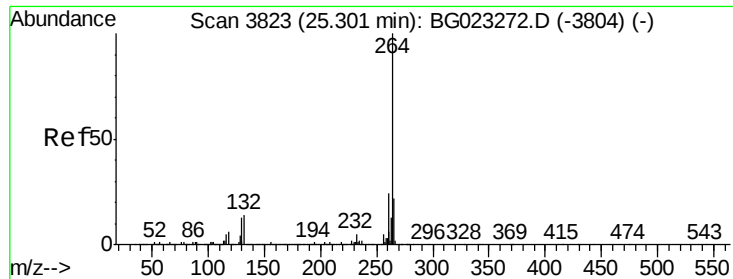
Tgt Ion:184 Resp: 115663
Ion Ratio Lower Upper
184 100
185 14.5 12.6 19.0
183 13.0 10.7 16.1



#78
Terphenyl-d14
Concen: 86.26 ng
RT: 20.18 min Scan# 2952
Delta R.T. 0.00 min
Lab File: BG023333.D
Acq: 29 Jul 2016 9:44

Tgt Ion:244 Resp: 3241038
Ion Ratio Lower Upper
244 100
212 14.8 10.8 16.2
122 17.4 8.0 12.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.30 min Scan# 3824
Delta R.T. -0.00 min
Lab File: BG023333.D
Acq: 29 Jul 2016 9:44

Instrument :
BNA_G
ClientSampleId :
L-7

Tgt Ion: 264 Resp: 1225479

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	19.8	18.9	28.3

