

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082316\
 Data File : BG023858.D
 Acq On : 23 Aug 2016 18:10
 Operator : UM/SJ
 Sample : H4556-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-13B(18-20)

Quant Time: Aug 24 01:19:48 2016
 Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG080116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 19:22:14 2016
 Response via : Initial Calibration

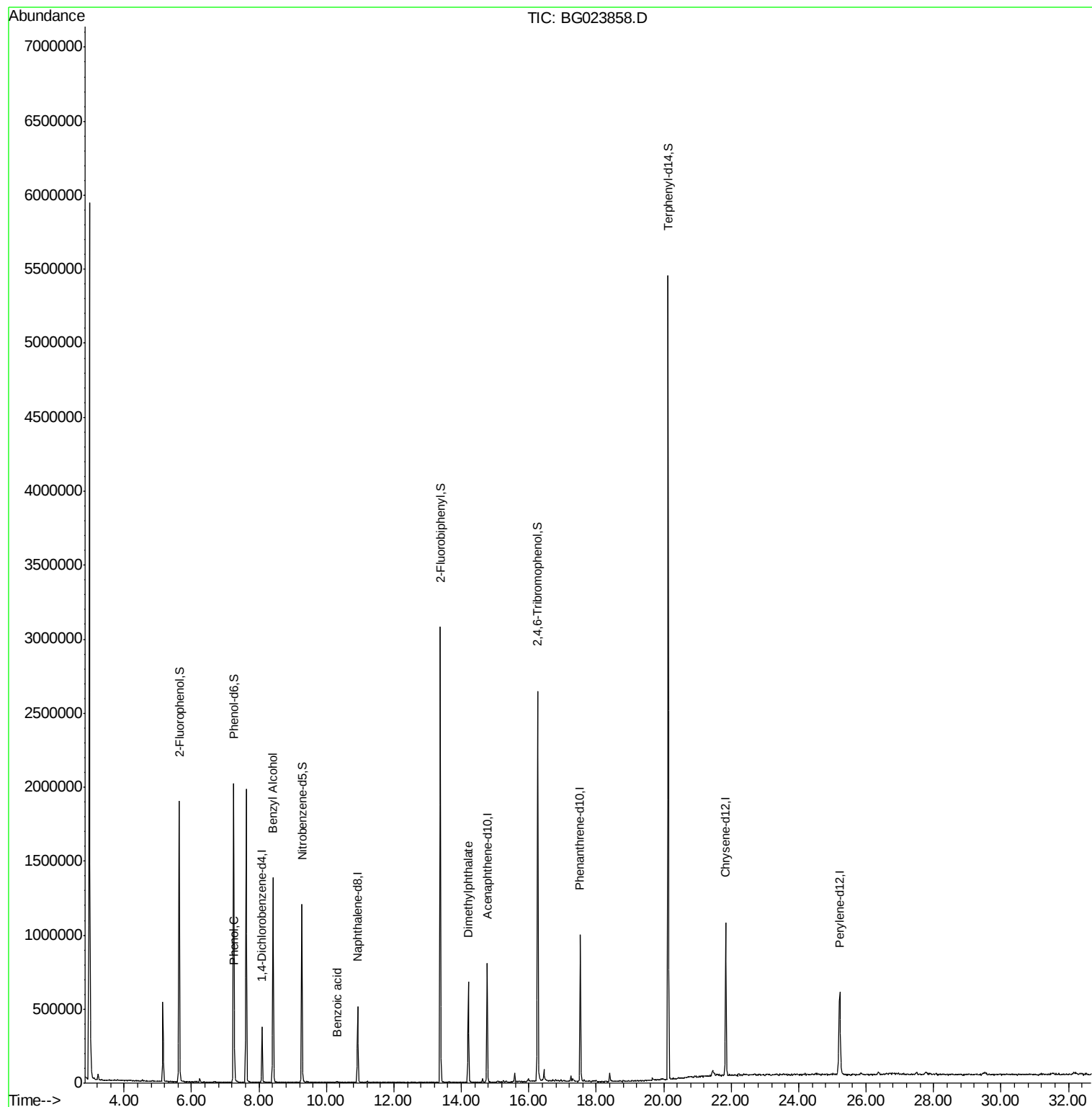
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	98923	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	426378	20.00	ng	-0.03
38) Acenaphthene-d10	14.76	164	266632	20.00	ng	-0.02
63) Phenanthrene-d10	17.52	188	620417	20.00	ng	-0.02
75) Chrysene-d12	21.84	240	671629	20.00	ng	-0.03
86) Perylene-d12	25.21	264	657422	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	803657	136.75	ng	-0.03
7) Phenol-d6	7.25	99	1152698	125.93	ng	-0.03
23) Nitrobenzene-d5	9.27	82	798249	93.07	ng	-0.03
41) 2,4,6-Tribromophenol	16.26	330	458200	117.49	ng	-0.02
44) 2-Fluorobiphenyl	13.38	172	1500812	94.94	ng	-0.02
78) Terphenyl-d14	20.13	244	2092961	101.16	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.25	77	2995	Below Cal	#	8
10) Phenol	7.27	94	21690	2.21 ng	#	81
15) Benzyl Alcohol	8.41	79	14163	2.04 ng	#	60
32) Benzoic acid	10.33	122	75	6.45 ng	#	1
49) Dimethylphthalate	14.21	163	430420	21.04 ng	#	99
73) Di-n-butylphthalate	18.47	149	1728	Below Cal	#	78
74) Fluoranthene	19.52	202	53	Below Cal	#	60
77) Pyrene	20.13	202	9753	Below Cal	#	66

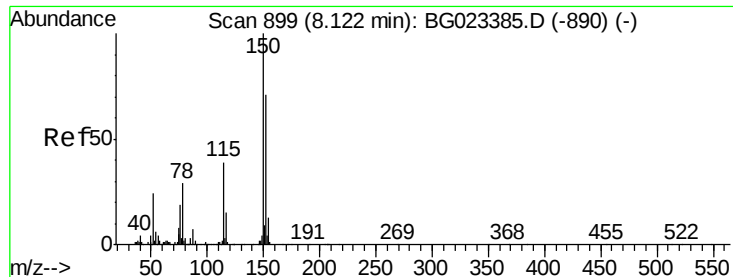
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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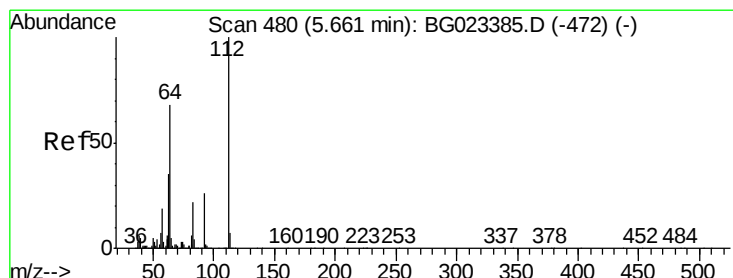
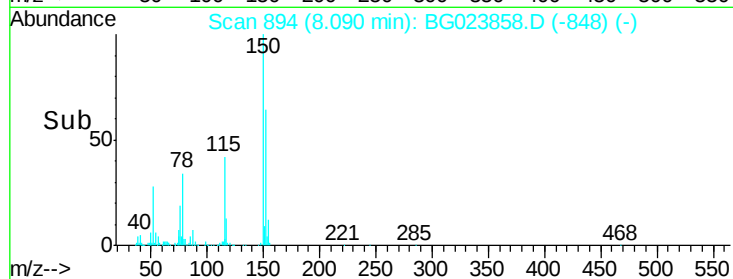
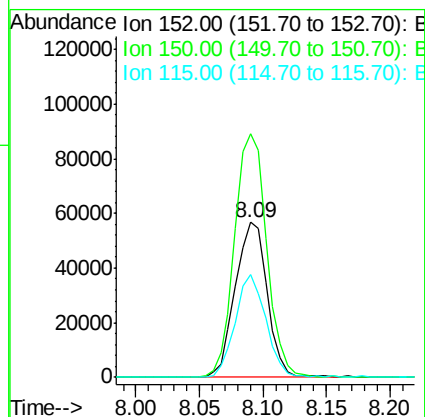
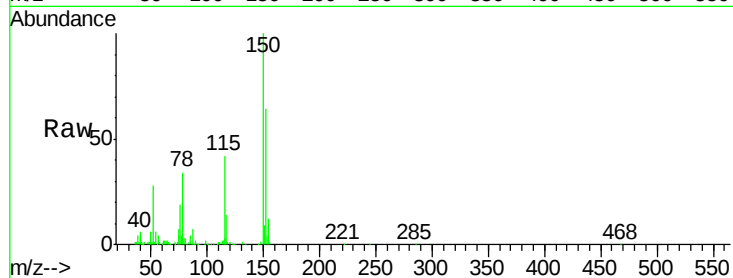


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.09 min Scan# 894
Delta R.T. -0.03 min
Lab File: BG023858.D
Acq: 23 Aug 2016 18:10

Instrument :
BNA_G
ClientSampleId :
SB-13B(18-20)

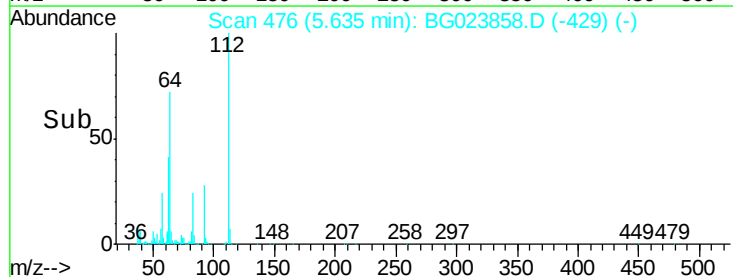
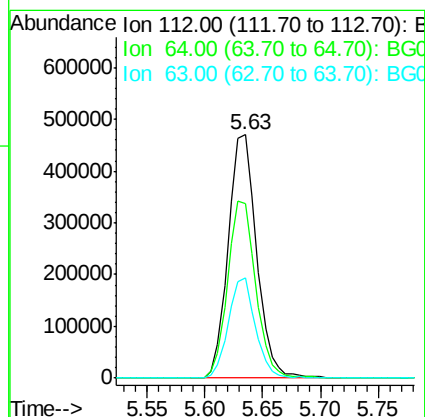
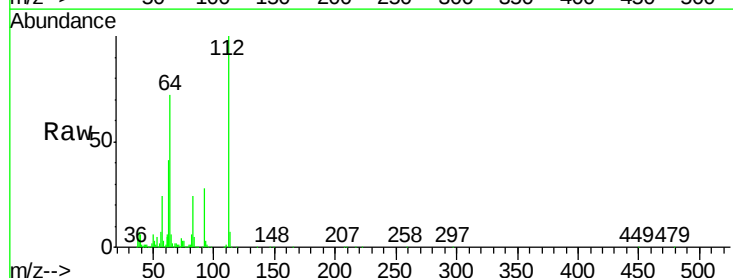
Tgt Ion:152 Resp: 98923
Ion Ratio Lower Upper
152 100
150 156.9 144.7 217.1
115 65.8 64.0 96.0

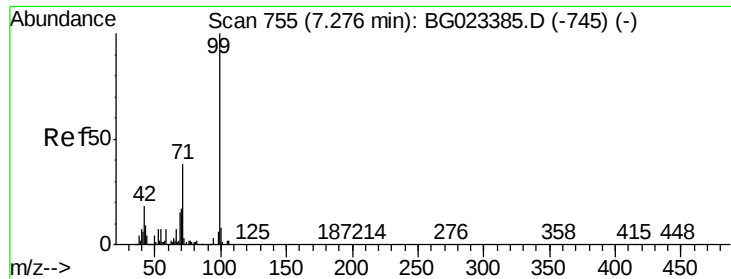


#5

2-Fluorophenol
Concen: 136.75 ng
RT: 5.63 min Scan# 476
Delta R.T. -0.03 min
Lab File: BG023858.D
Acq: 23 Aug 2016 18:10

Tgt Ion:112 Resp: 803657
Ion Ratio Lower Upper
112 100
64 71.5 59.0 88.4
63 40.9 37.8 56.8





#7

Phenol-d6

Concen: 125.93 ng

RT: 7.25 min Scan# 751

Delta R.T. -0.03 min

Lab File: BG023858.D

Acq: 23 Aug 2016 18:10

Instrument :

BNA_G

ClientSampleId :

SB-13B(18-20)

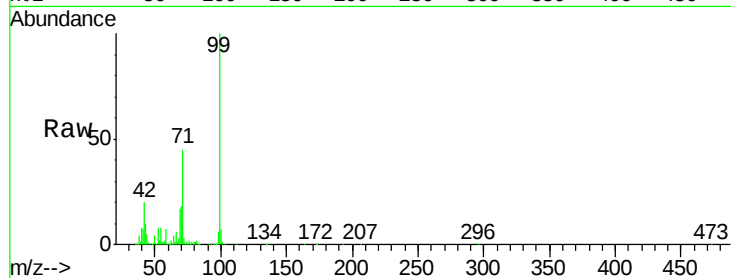
Tgt Ion: 99 Resp: 1152698

Ion Ratio Lower Upper

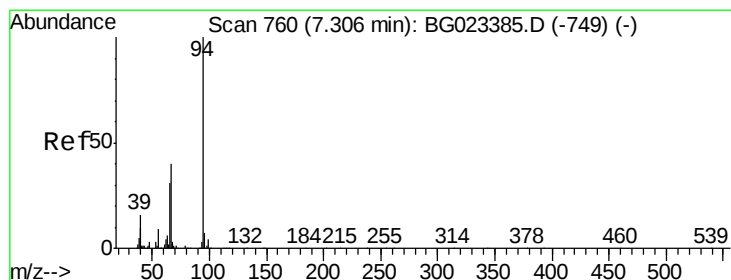
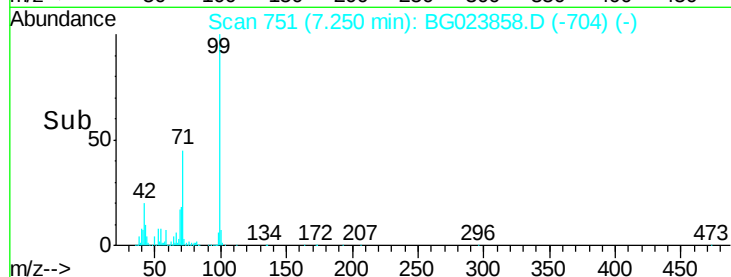
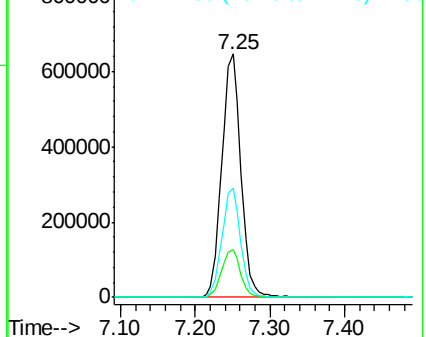
99 100

42 19.7 17.8 26.6

71 45.0 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



#10

Phenol

Concen: 2.21 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.03 min

Lab File: BG023858.D

Acq: 23 Aug 2016 18:10

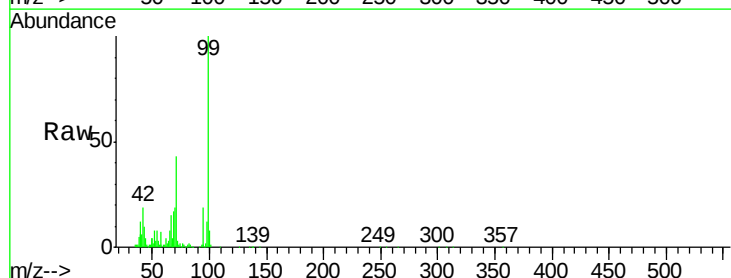
Tgt Ion: 94 Resp: 21690

Ion Ratio Lower Upper

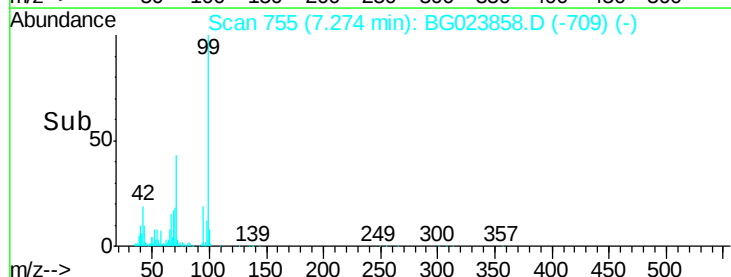
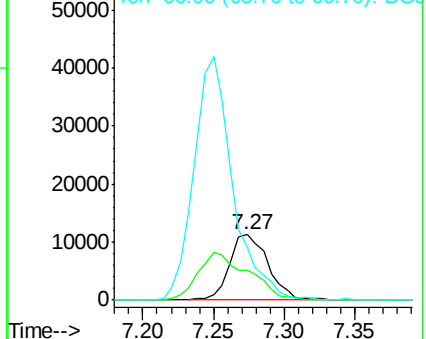
94 100

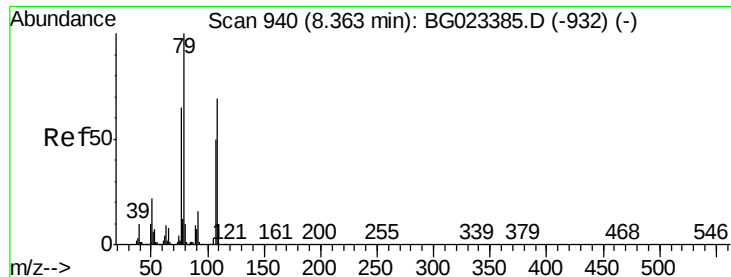
65 45.5 18.1 58.1

66 80.5 42.1 82.1



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





#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 8.41 min Scan# 949

Delta R.T. 0.05 min

Lab File: BG023858.D

Acq: 23 Aug 2016 18:10

Instrument :

BNA_G

ClientSampleId :

SB-13B(18-20)

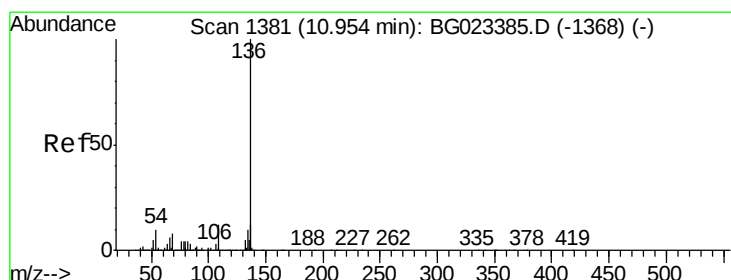
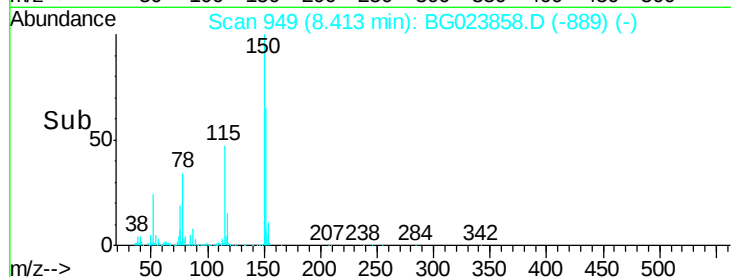
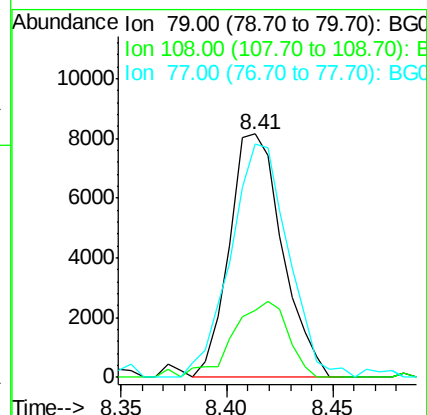
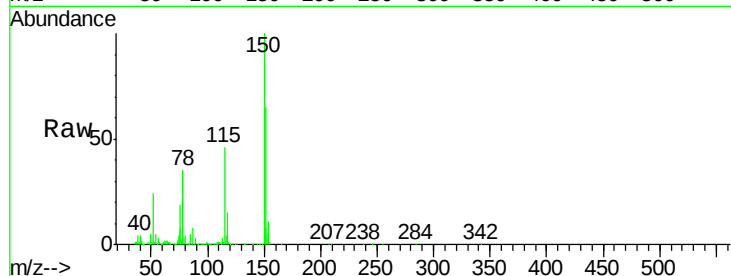
Tgt Ion: 79 Resp: 14163

Ion Ratio Lower Upper

79 100

108 27.6 46.5 69.7#

77 96.0 52.3 78.5#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.93 min Scan# 1377

Delta R.T. -0.03 min

Lab File: BG023858.D

Acq: 23 Aug 2016 18:10

Tgt Ion: 136 Resp: 426378

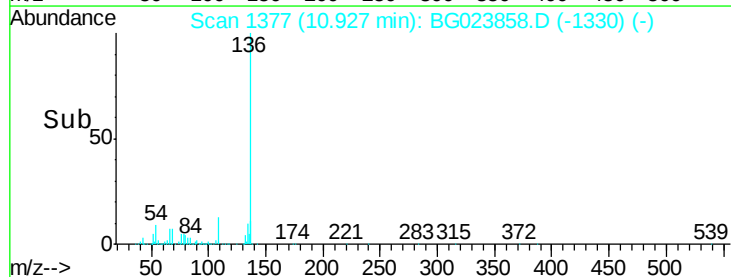
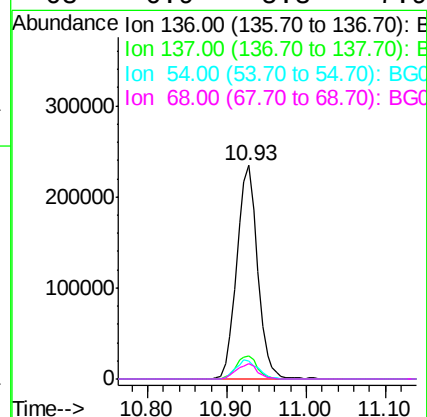
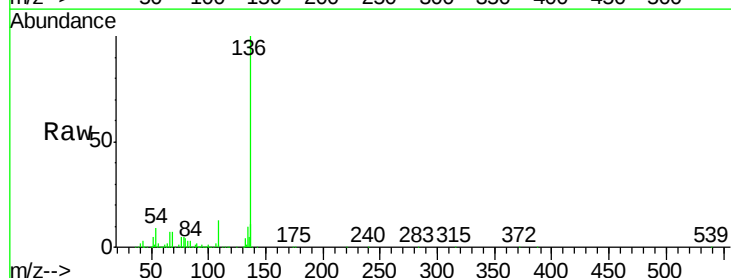
Ion Ratio Lower Upper

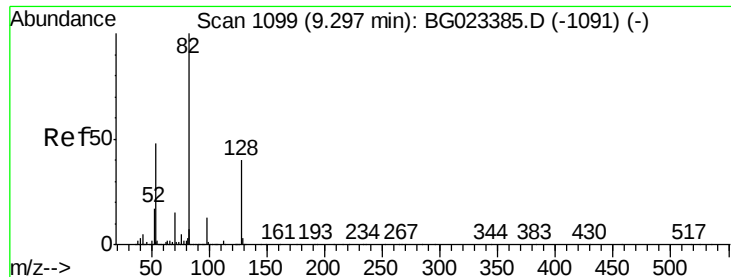
136 100

137 10.8 9.6 14.4

54 8.6 7.3 10.9

68 6.9 5.3 7.9

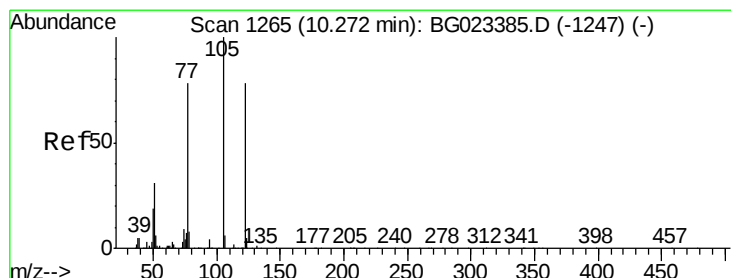
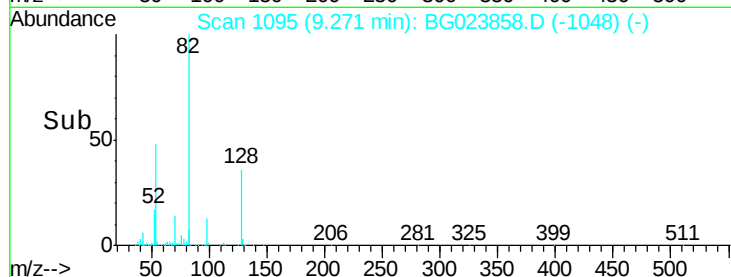
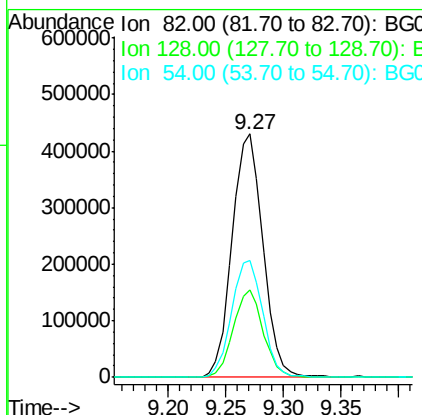
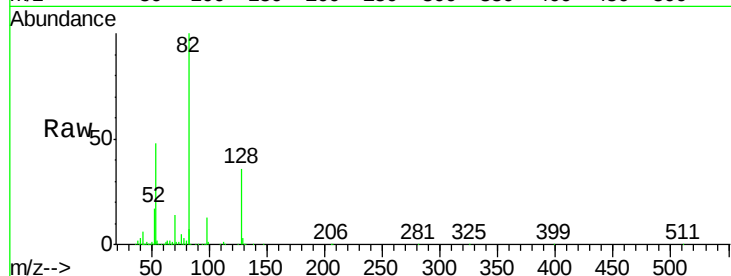




#23
 Nitrobenzene-d5
 Concen: 93.07 ng
 RT: 9.27 min Scan# 1095
 Delta R.T. -0.03 min
 Lab File: BG023858.D
 Acq: 23 Aug 2016 18:10

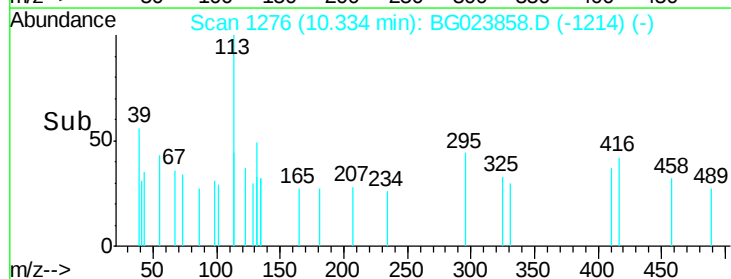
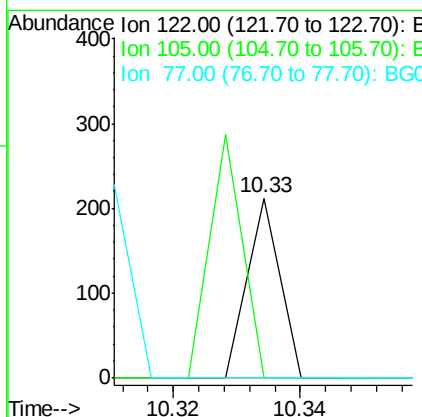
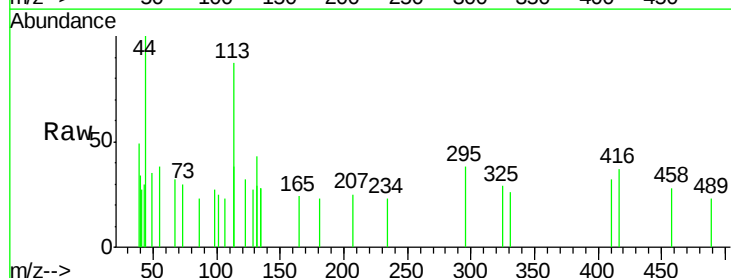
Instrument :
 BNA_G
 ClientSampleId :
 SB-13B(18-20)

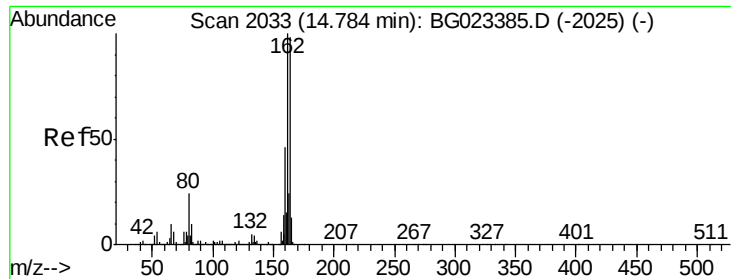
Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.0	24.4	36.6
54	47.9	41.4	62.0



#32
 Benzoic acid
 Concen: 6.45 ng
 RT: 10.33 min Scan# 1276
 Delta R.T. 0.06 min
 Lab File: BG023858.D
 Acq: 23 Aug 2016 18:10

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	117.2	157.2#
77	0.0	109.2	149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.76 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BG023858.D

Acq: 23 Aug 2016 18:10

Instrument :

BNA_G

ClientSampleId :

SB-13B(18-20)

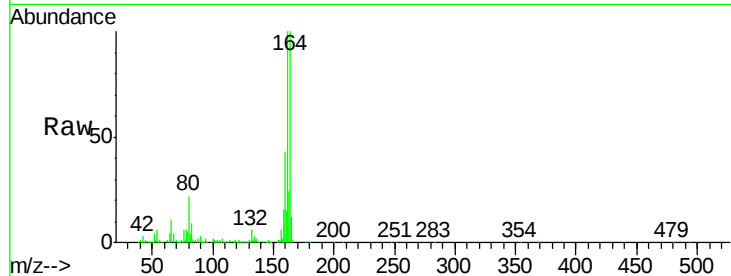
Tgt Ion:164 Resp: 266632

Ion Ratio Lower Upper

164 100

162 100.4 87.7 131.5

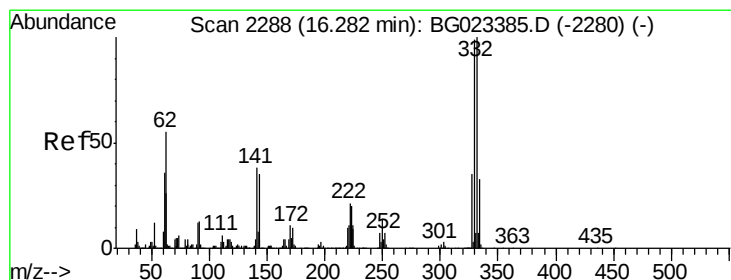
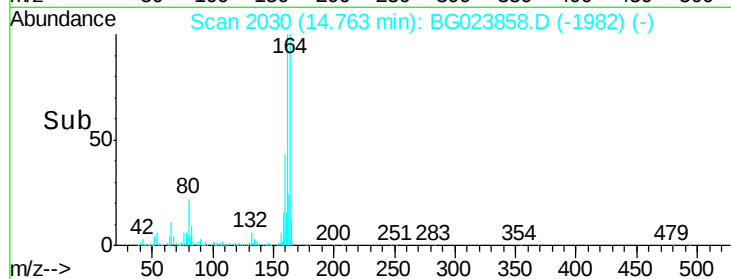
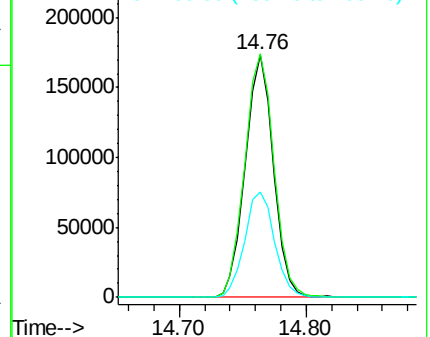
160 43.3 37.2 55.8



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: 117.49 ng

RT: 16.26 min Scan# 2285

Delta R.T. -0.02 min

Lab File: BG023858.D

Acq: 23 Aug 2016 18:10

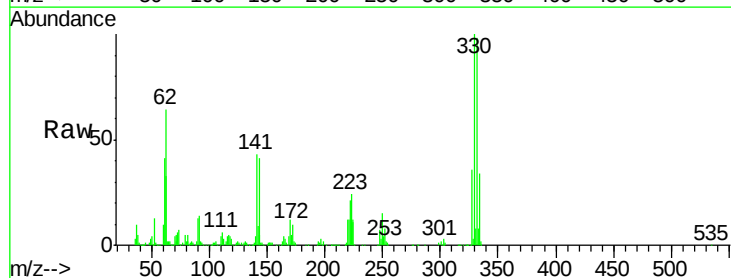
Tgt Ion:330 Resp: 458200

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.2

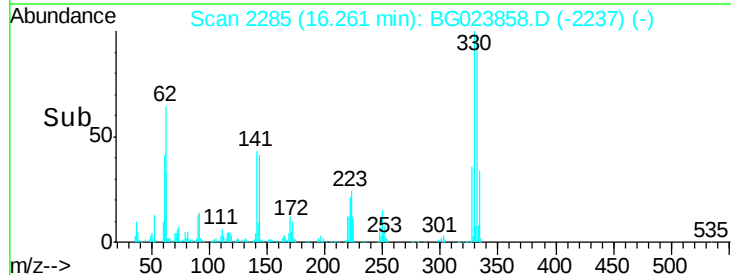
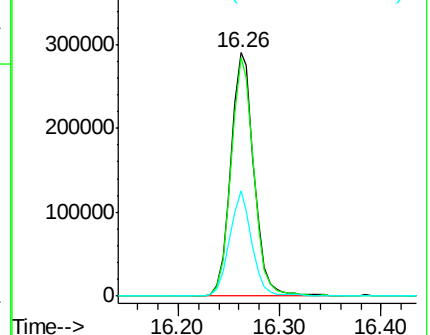
141 41.5 31.7 47.5

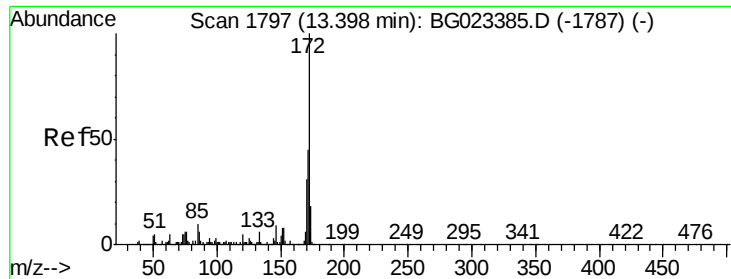


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

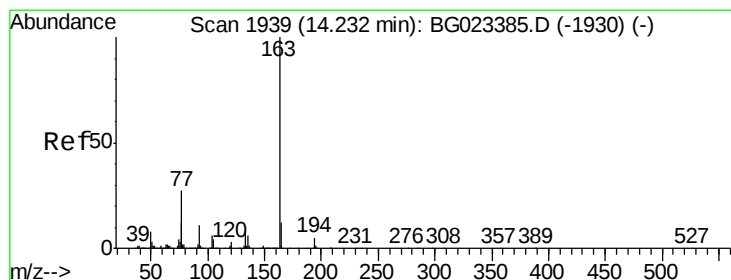
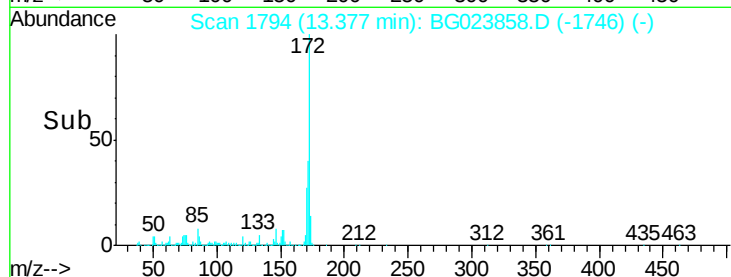
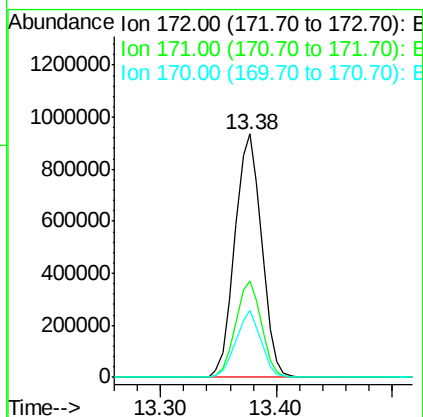
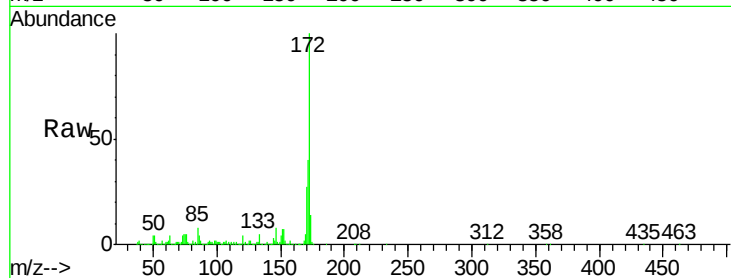




#44
2-Fluorobiphenyl
Concen: 94.94 ng
RT: 13.38 min Scan# 1794
Delta R.T. -0.02 min
Lab File: BG023858.D
Acq: 23 Aug 2016 18:10

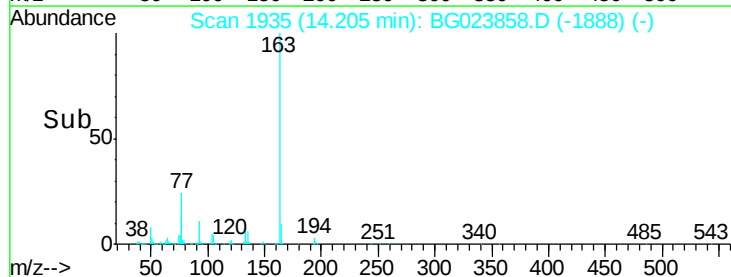
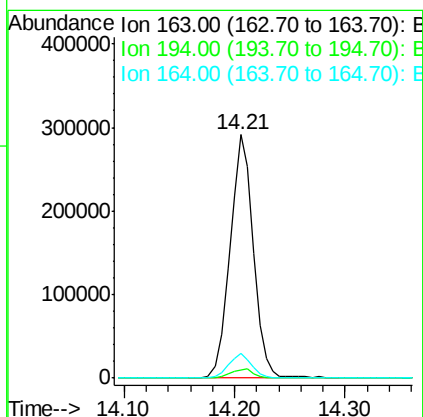
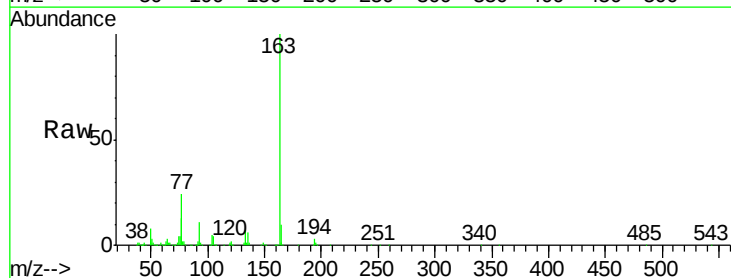
Instrument :
BNA_G
ClientSampleId :
SB-13B(18-20)

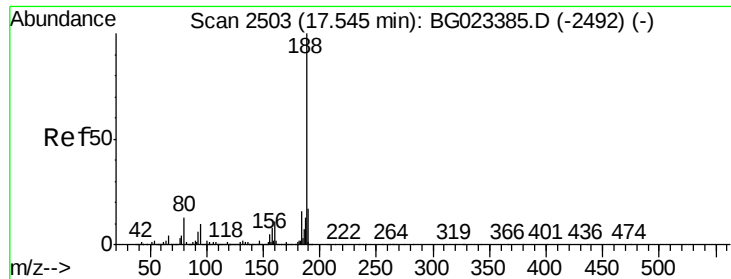
Tgt Ion:172 Resp: 1500812
Ion Ratio Lower Upper
172 100
171 39.8 31.6 47.4
170 27.3 21.3 31.9



#49
Dimethylphthalate
Concen: 21.04 ng
RT: 14.21 min Scan# 1935
Delta R.T. -0.03 min
Lab File: BG023858.D
Acq: 23 Aug 2016 18:10

Tgt Ion:163 Resp: 430420
Ion Ratio Lower Upper
163 100
194 3.5 3.6 5.4#
164 10.0 8.1 12.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.52 min Scan# 2500

Delta R.T. -0.02 min

Lab File: BG023858.D

Acq: 23 Aug 2016 18:10

Instrument :

BNA_G

ClientSampleId :

SB-13B(18-20)

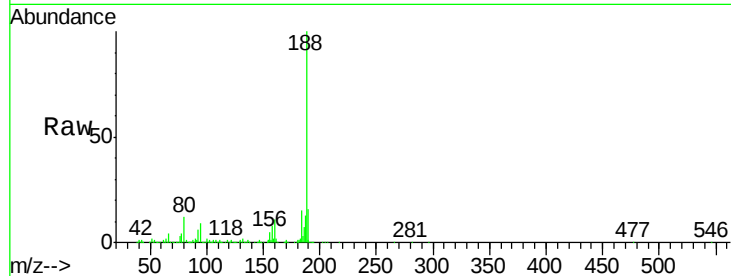
Tgt Ion:188 Resp: 620417

Ion Ratio Lower Upper

188 100

94 8.7 5.2 7.8#

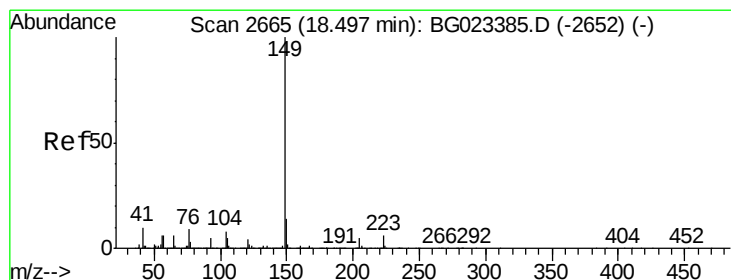
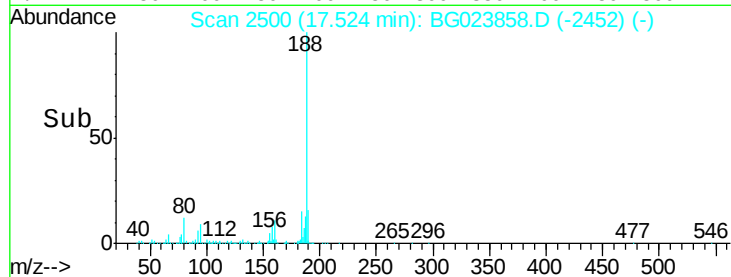
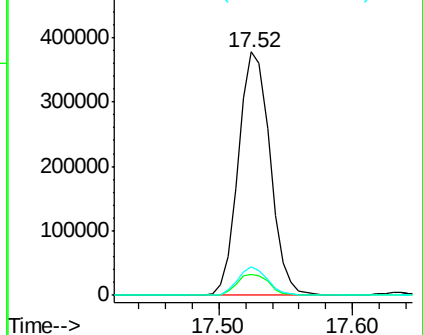
80 11.5 7.2 10.8#



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 18.47 min Scan# 2661

Delta R.T. -0.03 min

Lab File: BG023858.D

Acq: 23 Aug 2016 18:10

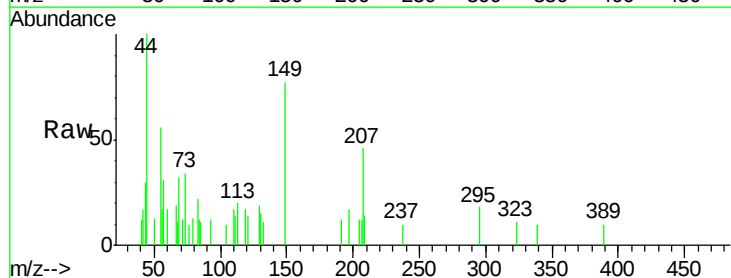
Tgt Ion:149 Resp: 1728

Ion Ratio Lower Upper

149 100

150 0.0 9.1 13.7#

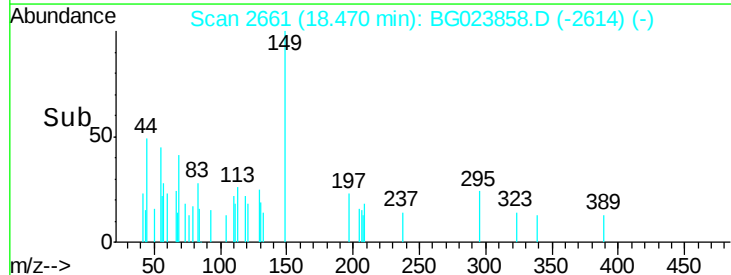
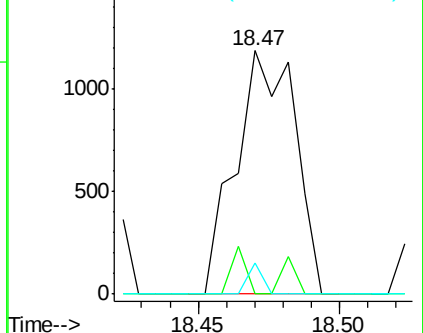
104 12.9 6.9 10.3#

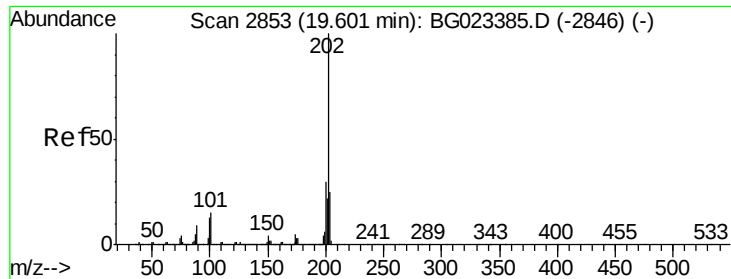


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 19.52 min Scan# 2839

Delta R.T. -0.08 min

Lab File: BG023858.D

Acq: 23 Aug 2016 18:10

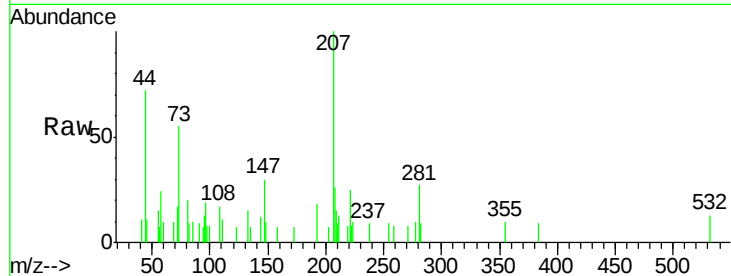
Instrument :

BNA_G

ClientSampleId :

SB-13B(18-20)

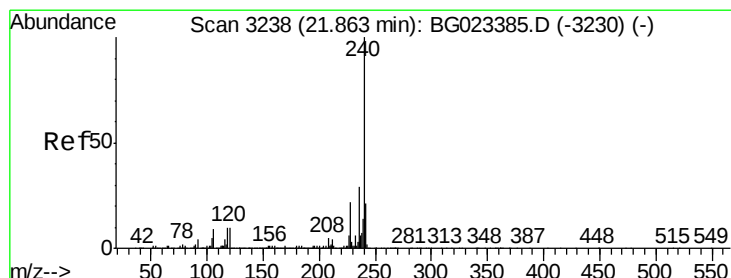
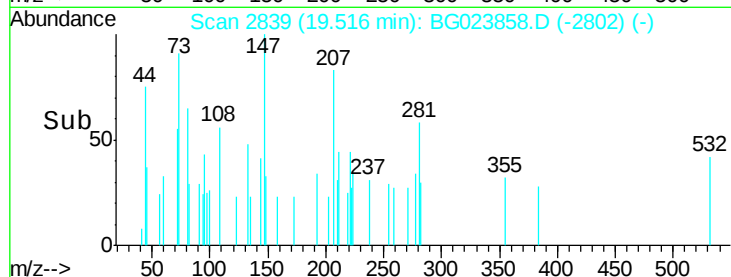
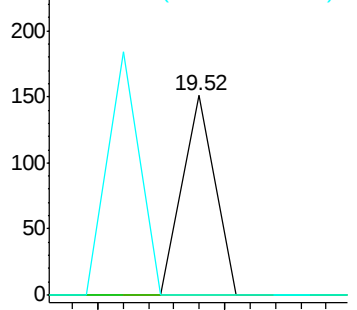
Tgt Ion:	202	Resp:	53
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	27.4
203	0.0	1.7	41.7#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

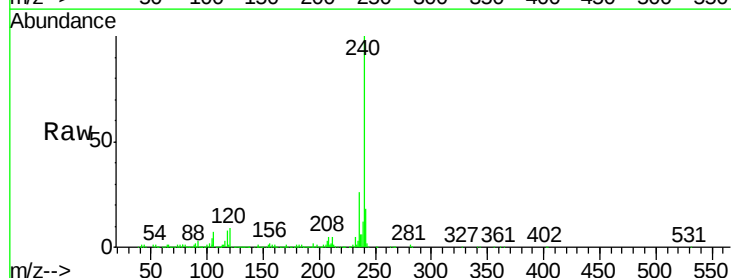
RT: 21.84 min Scan# 3234

Delta R.T. -0.03 min

Lab File: BG023858.D

Acq: 23 Aug 2016 18:10

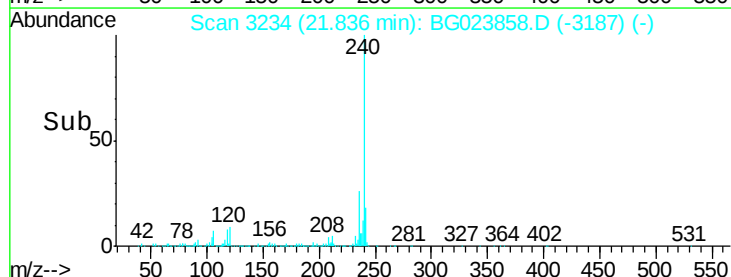
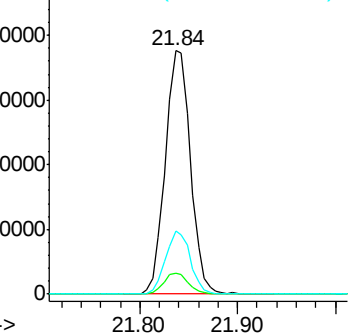
Tgt Ion:	240	Resp:	671629
Ion	Ratio	Lower	Upper
240	100		
120	8.7	4.1	6.1#
236	25.8	21.1	31.7

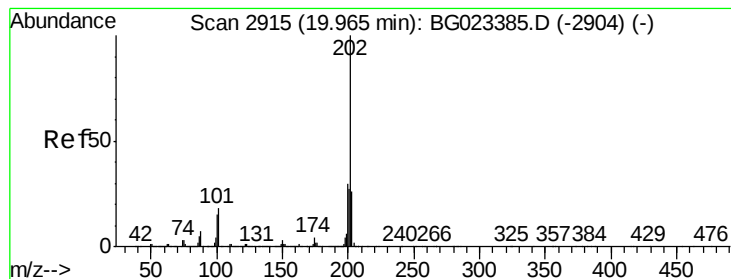


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: Below Cal

RT: 20.13 min Scan# 2944

Delta R.T. 0.17 min

Lab File: BG023858.D

Acq: 23 Aug 2016 18:10

Instrument :

BNA_G

ClientSampleId :

SB-13B(18-20)

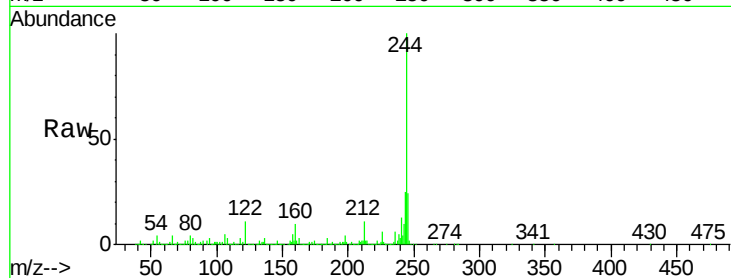
Tgt Ion:202 Resp: 9753

Ion Ratio Lower Upper

202 100

200 48.8 21.2 31.8#

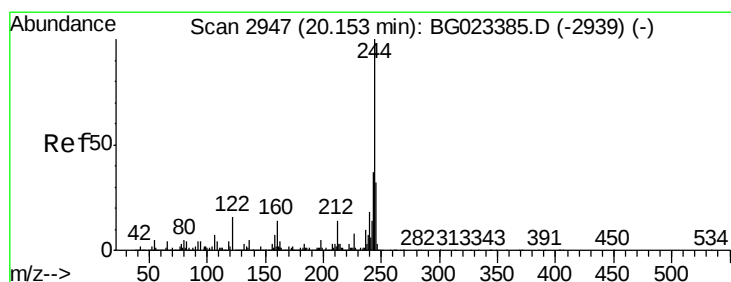
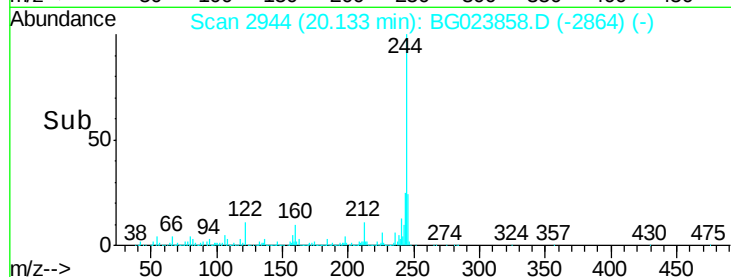
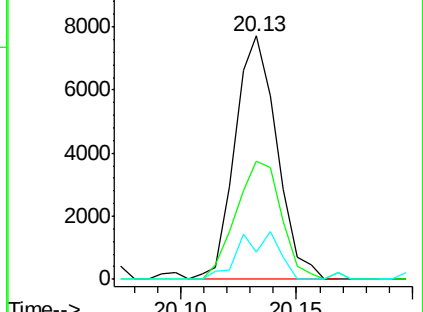
203 11.1 16.8 25.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 101.16 ng

RT: 20.13 min Scan# 2944

Delta R.T. -0.02 min

Lab File: BG023858.D

Acq: 23 Aug 2016 18:10

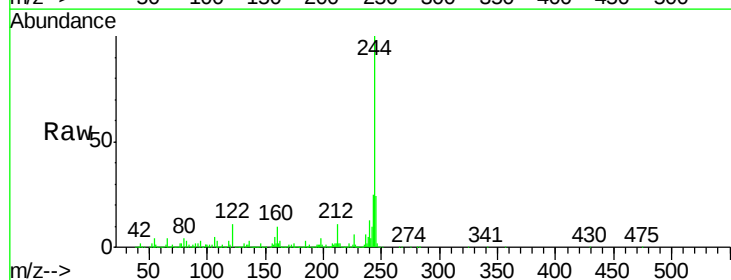
Tgt Ion:244 Resp: 2092961

Ion Ratio Lower Upper

244 100

212 10.7 10.8 16.2#

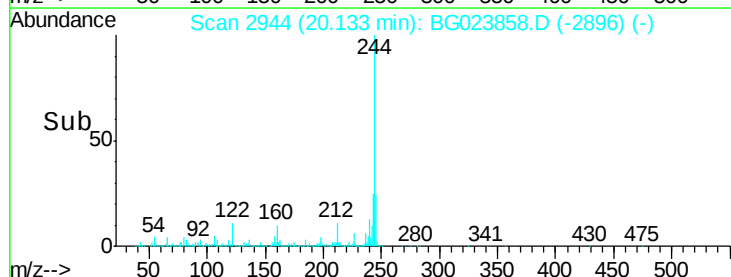
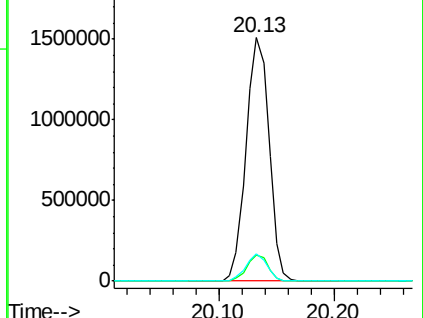
122 11.4 8.0 12.0

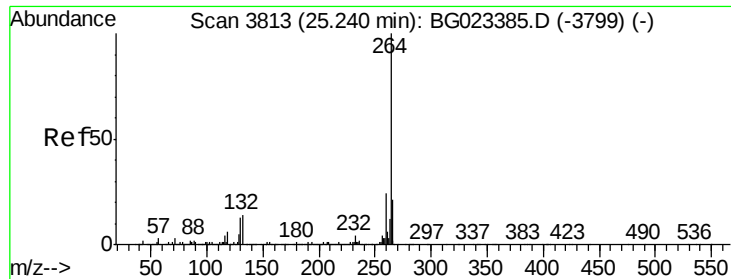


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.21 min Scan# 3808
Delta R.T. -0.03 min
Lab File: BG023858.D
Acq: 23 Aug 2016 18:10

Instrument :
BNA_G
ClientSampleId :
SB-13B(18-20)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.4	27.6
265	20.1	18.9	28.3

