

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082316\
 Data File : BG023867.D
 Acq On : 23 Aug 2016 23:51
 Operator : UM/SJ
 Sample : H4556-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-14B(13-15)

Quant Time: Aug 24 01:22:36 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

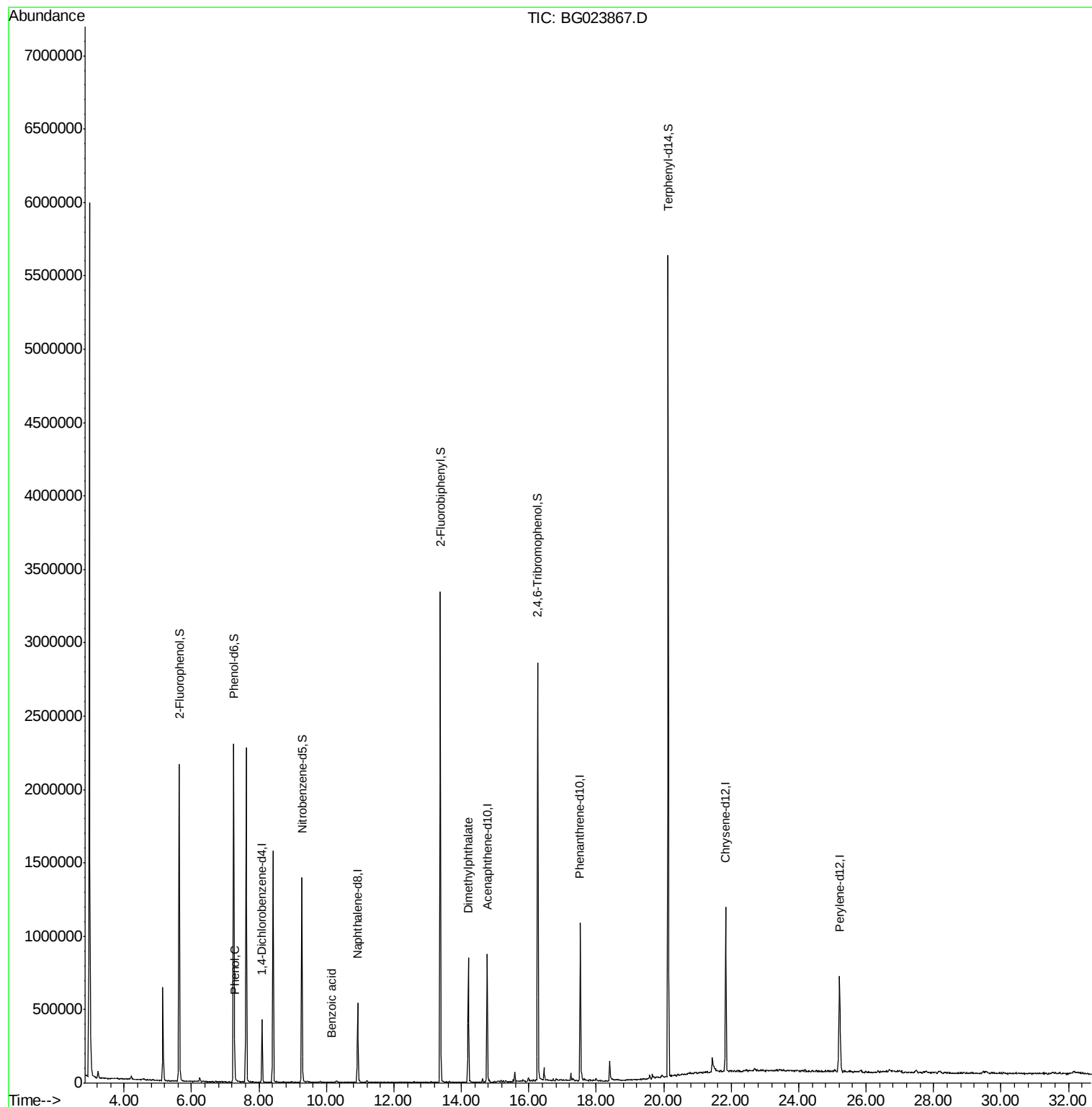
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	110330	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	457306	20.00	ng	-0.03
38) Acenaphthene-d10	14.76	164	282515	20.00	ng	-0.02
63) Phenanthrene-d10	17.52	188	659992	20.00	ng	-0.02
75) Chrysene-d12	21.83	240	698996	20.00	ng	-0.03
86) Perylene-d12	25.21	264	681739	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	907259	138.42	ng	-0.03
7) Phenol-d6	7.25	99	1321537	129.45	ng	-0.03
23) Nitrobenzene-d5	9.27	82	923183	100.36	ng	-0.03
41) 2,4,6-Tribromophenol	16.26	330	519733	125.77	ng	-0.02
44) 2-Fluorobiphenyl	13.38	172	1653828	98.74	ng	-0.02
78) Terphenyl-d14	20.13	244	2106021	96.99	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.25	77	3424	Below Cal	#	8
10) Phenol	7.28	94	23938	2.19 ng		93
32) Benzoic acid	10.17	122	134	6.46 ng	#	24
49) Dimethylphthalate	14.20	163	532285	24.56 ng		98
73) Di-n-butylphthalate	18.47	149	2173	Below Cal	#	85
74) Fluoranthene	19.59	202	16017	Below Cal		92
77) Pyrene	19.94	202	12218	Below Cal	#	86

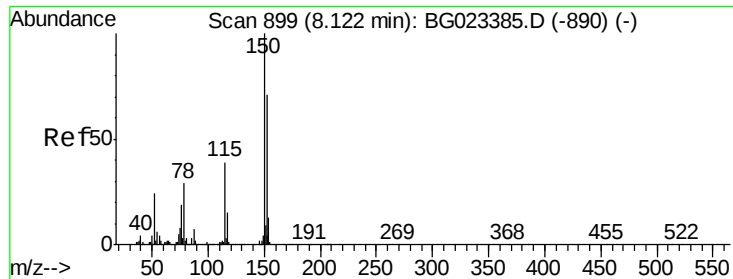
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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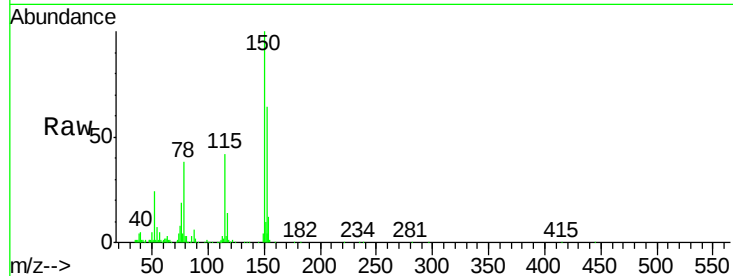


#1

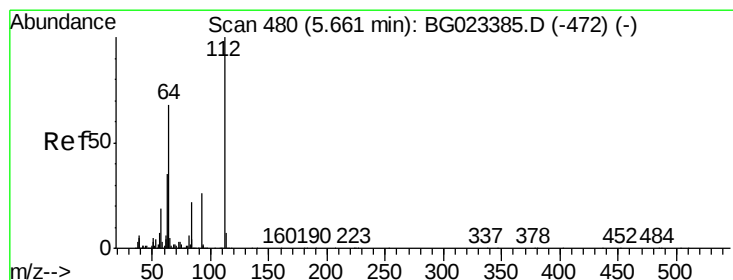
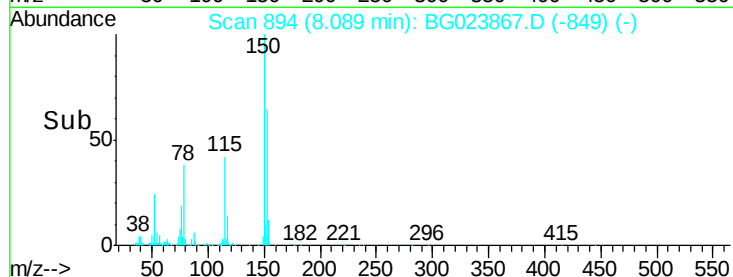
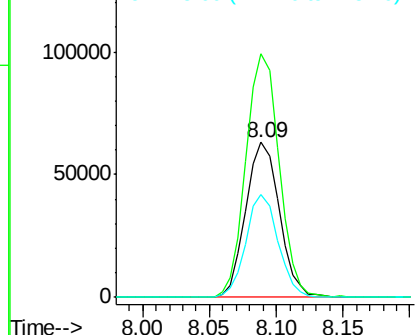
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.09 min Scan# 894
Delta R.T. -0.03 min
Lab File: BG023867.D
Acq: 23 Aug 2016 23:51

Instrument :
BNA_G
ClientSampleId :
SB-14B(13-15)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.1	144.7	217.1
115	66.1	64.0	96.0



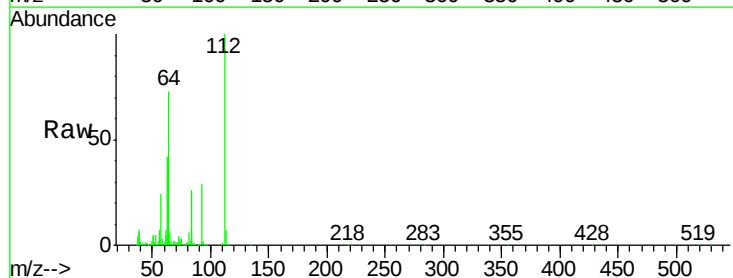
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



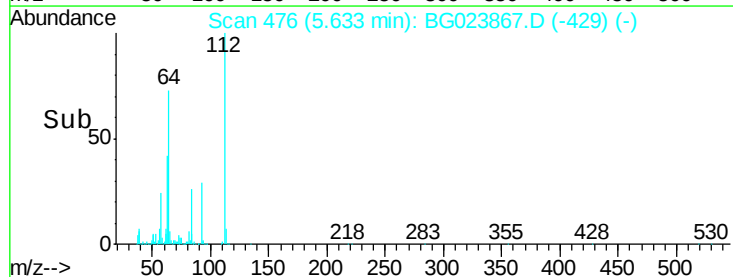
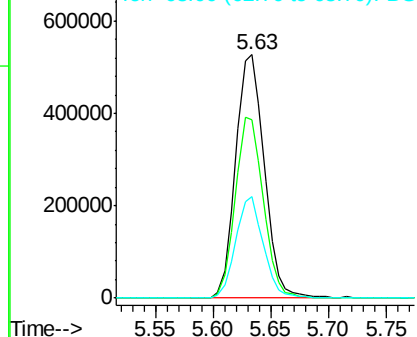
#5

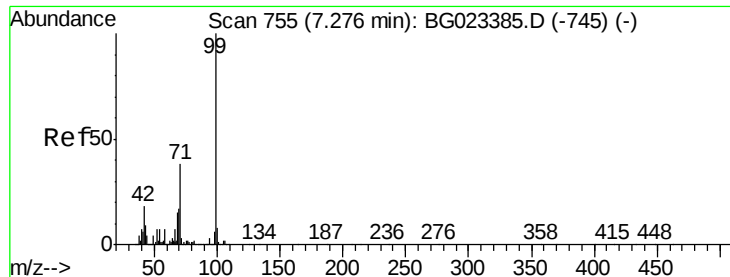
2-Fluorophenol
Concen: 138.42 ng
RT: 5.63 min Scan# 476
Delta R.T. -0.03 min
Lab File: BG023867.D
Acq: 23 Aug 2016 23:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.0	59.0	88.4
63	41.5	37.8	56.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 129.45 ng

RT: 7.25 min Scan# 751

Delta R.T. -0.03 min

Lab File: BG023867.D

Acq: 23 Aug 2016 23:51

Instrument :

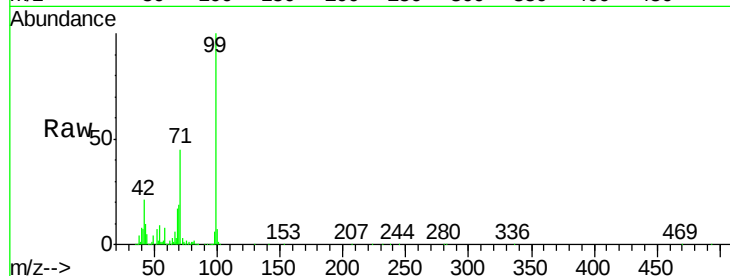
BNA_G

ClientSampleId :

SB-14B(13-15)

Tgt Ion: 99 Resp: 1321537

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.8	26.6
71	44.6	41.5	62.3

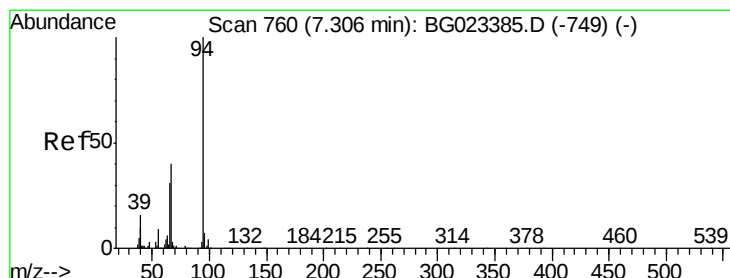
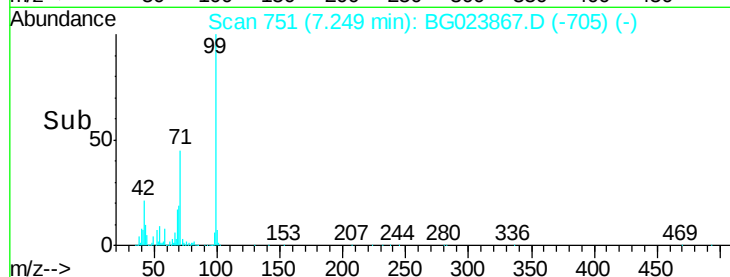
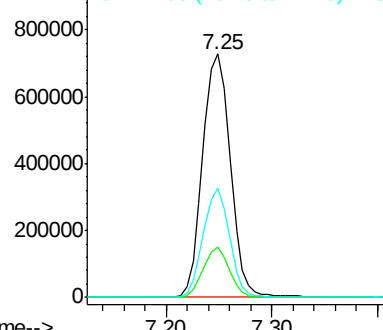


Abundance

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: 2.19 ng

RT: 7.28 min Scan# 756

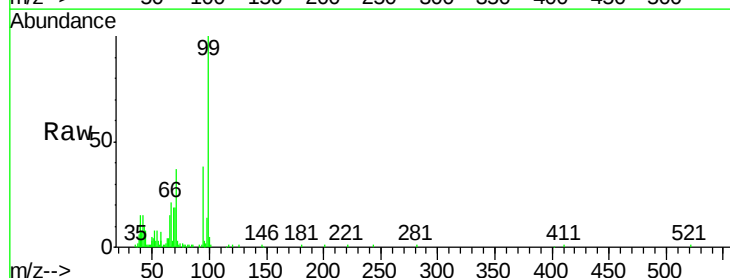
Delta R.T. -0.03 min

Lab File: BG023867.D

Acq: 23 Aug 2016 23:51

Tgt Ion: 94 Resp: 23938

Ion	Ratio	Lower	Upper
94	100		
65	39.9	18.1	58.1
66	54.4	42.1	82.1

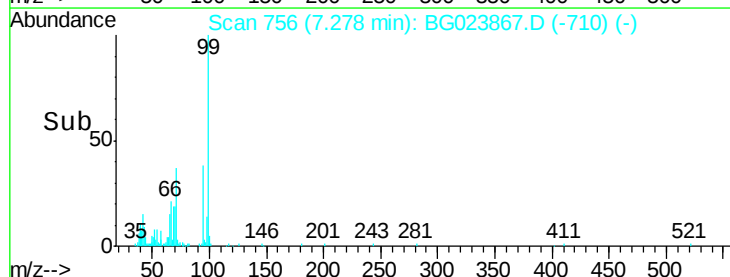
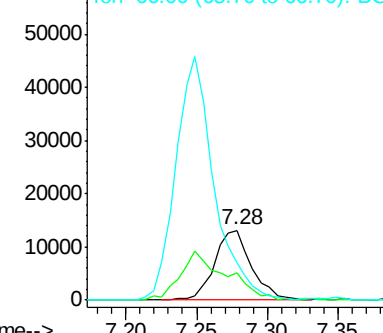


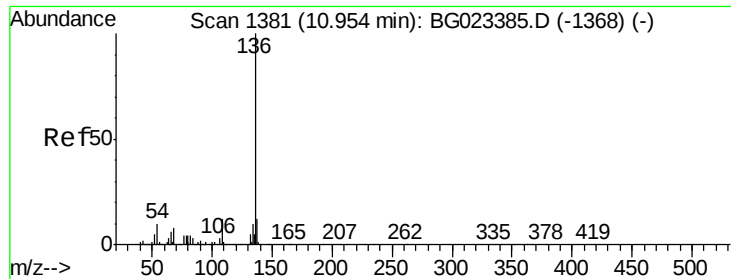
Abundance

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

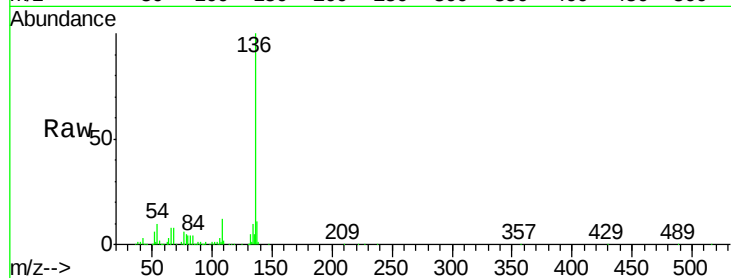




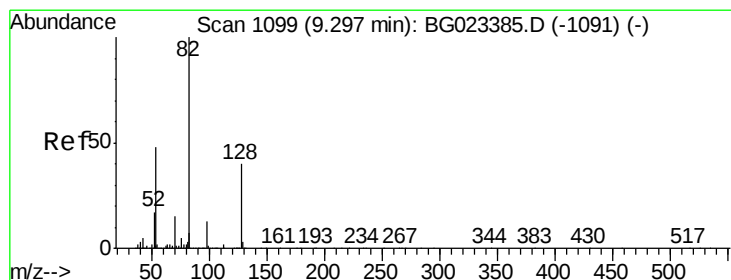
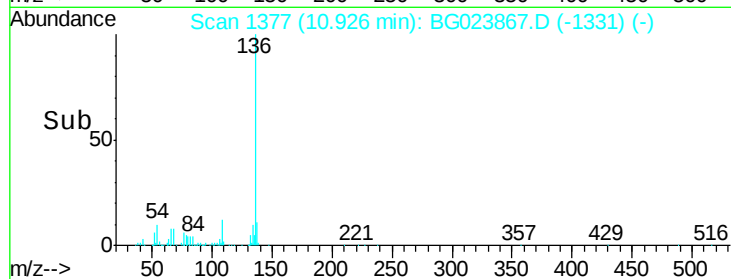
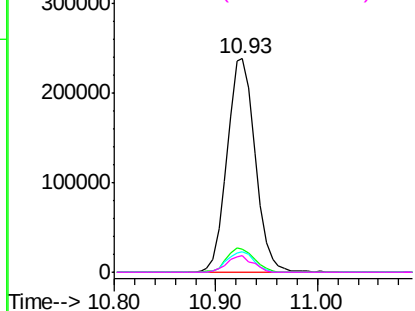
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 1377
Delta R.T. -0.03 min
Lab File: BG023867.D
Acq: 23 Aug 2016 23:51

Instrument :
BNA_G
ClientSampleId :
SB-14B(13-15)

Tgt Ion:	136	Resp:	457306
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.6	14.4
54	9.7	7.3	10.9
68	7.6	5.3	7.9

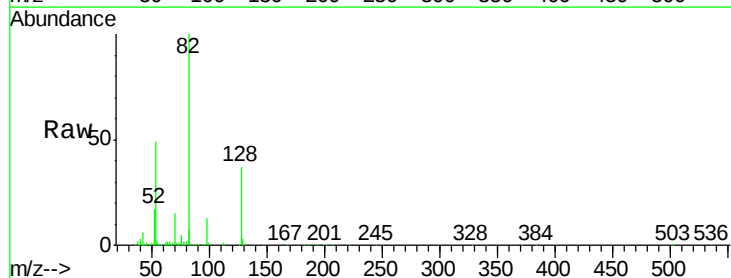


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

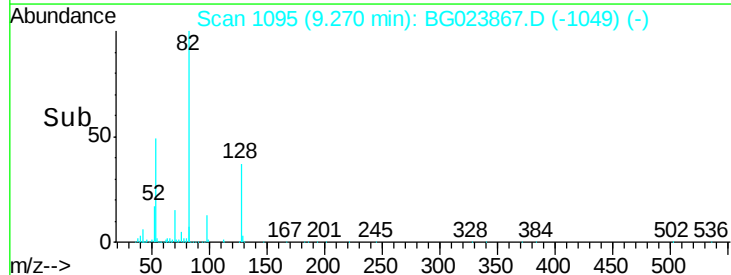
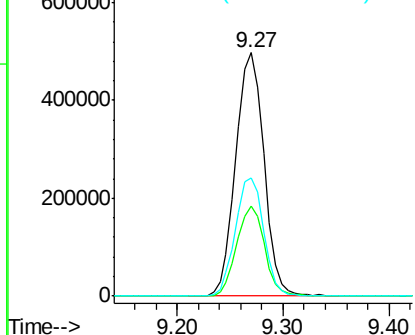


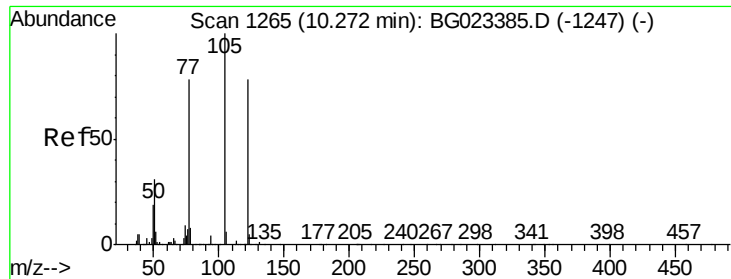
#23
Nitrobenzene-d5
Concen: 100.36 ng
RT: 9.27 min Scan# 1095
Delta R.T. -0.03 min
Lab File: BG023867.D
Acq: 23 Aug 2016 23:51

Tgt Ion:	82	Resp:	923183
Ion	Ratio	Lower	Upper
82	100		
128	36.7	24.4	36.6#
54	48.7	41.4	62.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

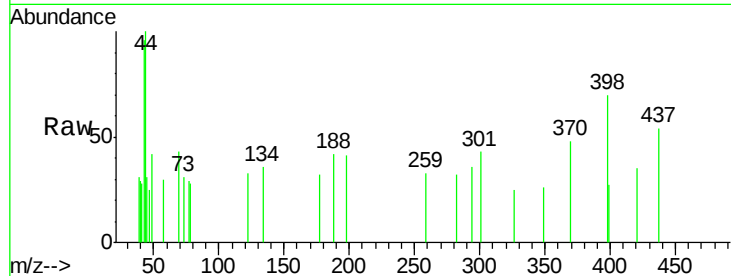




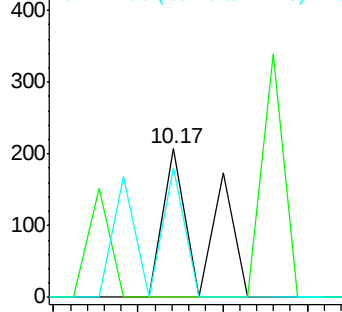
#32
Benzoic acid
Concen: 6.46 ng
RT: 10.17 min Scan# 1248
Delta R.T. -0.10 min
Lab File: BG023867.D
Acq: 23 Aug 2016 23:51

Instrument :
BNA_G
ClientSampleId :
SB-14B(13-15)

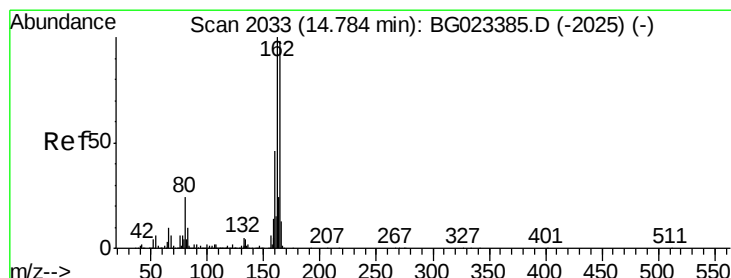
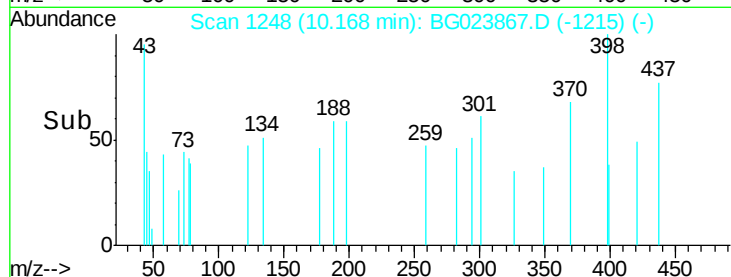
Tgt Ion:122 Resp: 134
Ion Ratio Lower Upper
122 100
105 0.0 117.2 157.2#
77 87.0 109.2 149.2#



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): B

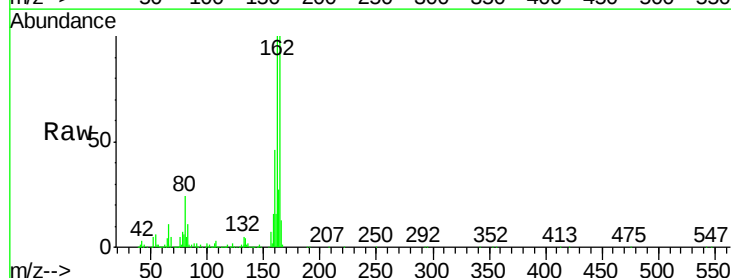


Time--> 10.14 10.16 10.18 10.20

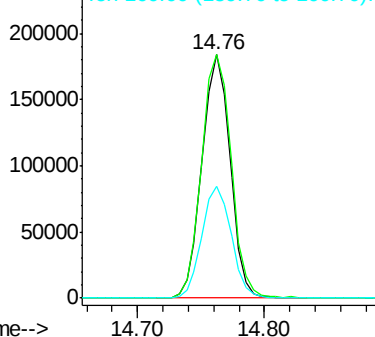


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BG023867.D
Acq: 23 Aug 2016 23:51

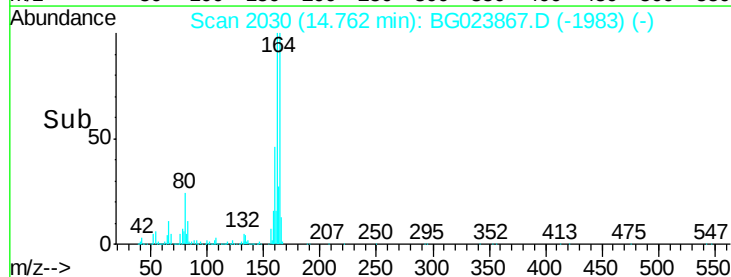
Tgt Ion:164 Resp: 282515
Ion Ratio Lower Upper
164 100
162 100.1 87.7 131.5
160 45.7 37.2 55.8

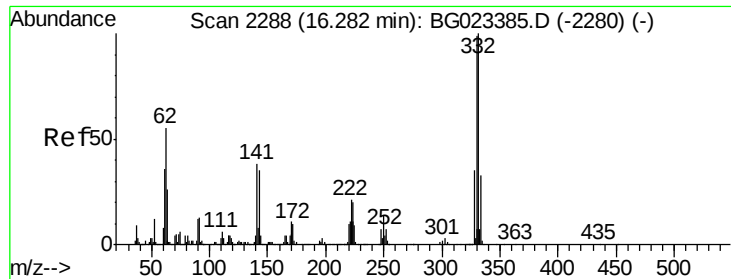


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time--> 14.70 14.80

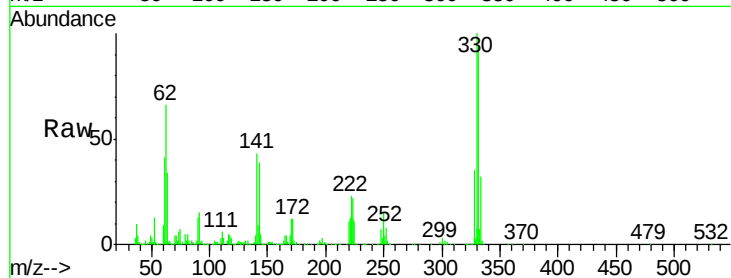




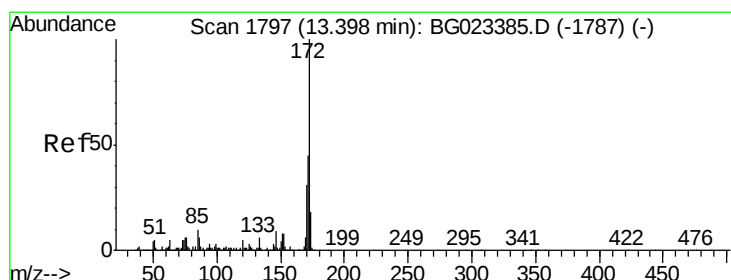
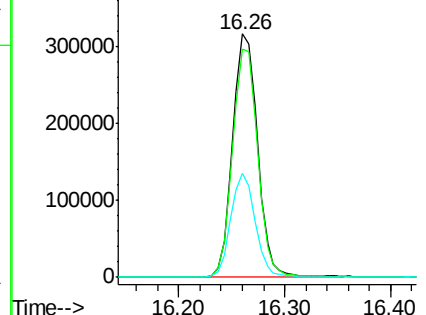
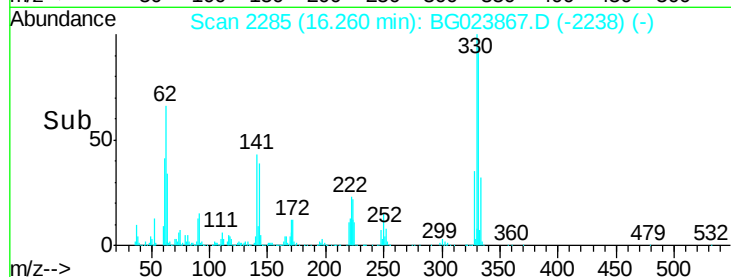
#41
 2,4,6-Tribromophenol
 Concen: 125.77 ng
 RT: 16.26 min Scan# 2285
 Delta R.T. -0.02 min
 Lab File: BG023867.D
 Acq: 23 Aug 2016 23:51

Instrument :
 BNA_G
 ClientSampleId :
 SB-14B(13-15)

Tgt Ion:330 Resp: 519733
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.4 116.2
 141 41.6 31.7 47.5

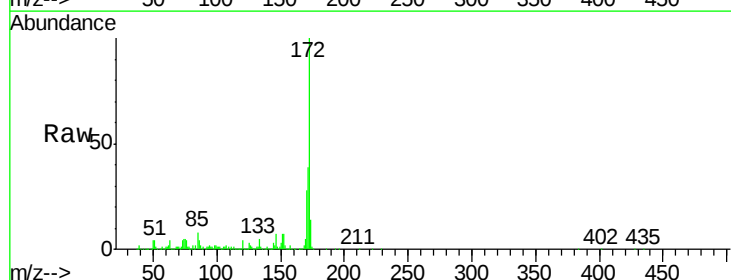


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

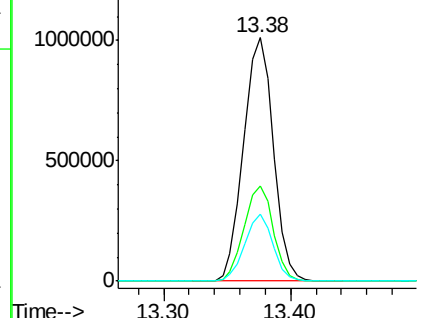
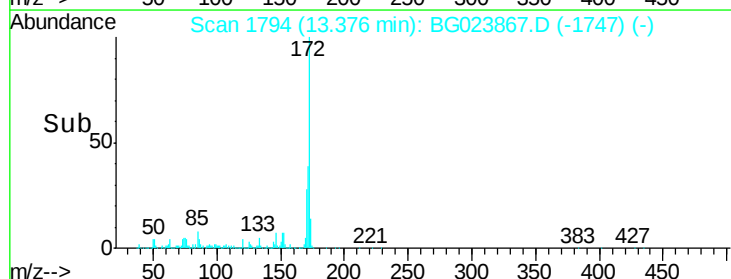


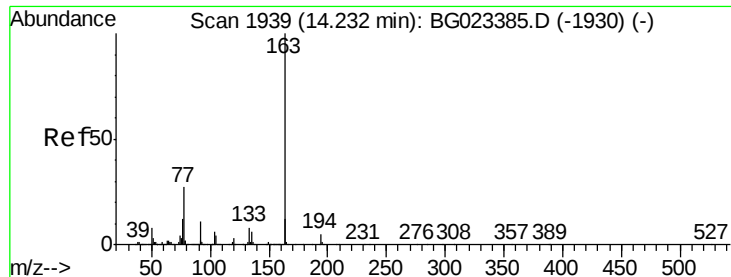
#44
 2-Fluorobiphenyl
 Concen: 98.74 ng
 RT: 13.38 min Scan# 1794
 Delta R.T. -0.02 min
 Lab File: BG023867.D
 Acq: 23 Aug 2016 23:51

Tgt Ion:172 Resp: 1653828
 Ion Ratio Lower Upper
 172 100
 171 39.2 31.6 47.4
 170 27.7 21.3 31.9



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: 24.56 ng

RT: 14.20 min Scan# 1935

Delta R.T. -0.03 min

Lab File: BG023867.D

Acq: 23 Aug 2016 23:51

Instrument :

BNA_G

ClientSampleId :

SB-14B(13-15)

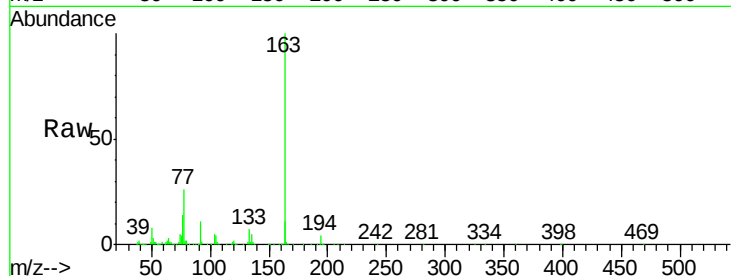
Tgt Ion:163 Resp: 532285

Ion Ratio Lower Upper

163 100

194 3.7 3.6 5.4

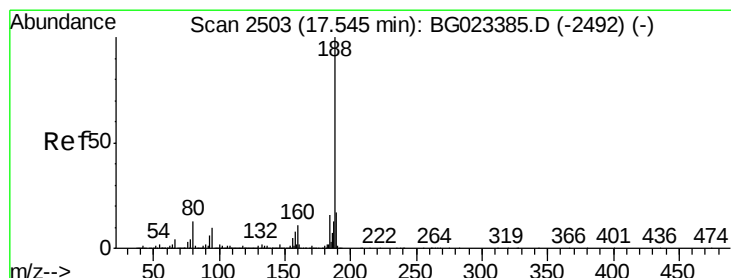
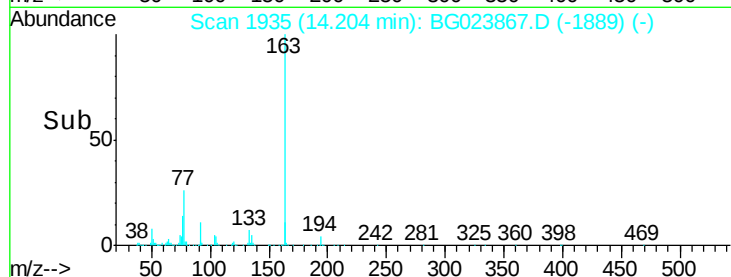
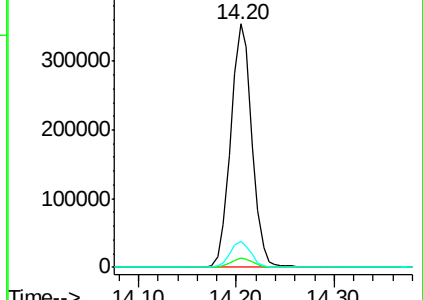
164 10.7 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.52 min Scan# 2500

Delta R.T. -0.02 min

Lab File: BG023867.D

Acq: 23 Aug 2016 23:51

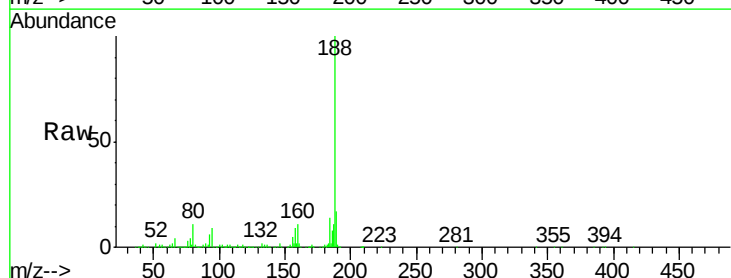
Tgt Ion:188 Resp: 659992

Ion Ratio Lower Upper

188 100

94 9.0 5.2 7.8#

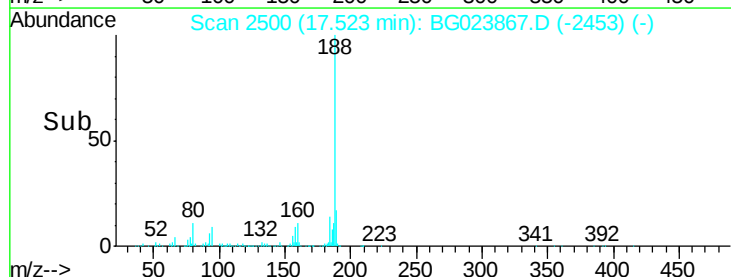
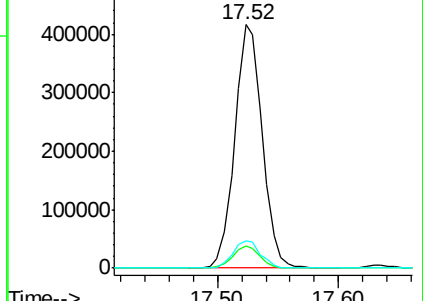
80 11.1 7.2 10.8#

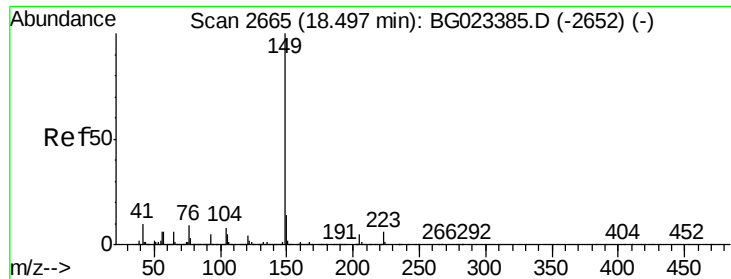


Abundance Ion 188.00 (187.70 to 188.70): E

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# 2662

Delta R.T. -0.02 min

Lab File: BG023867.D

Acq: 23 Aug 2016 23:51

Instrument :

BNA_G

ClientSampleId :

SB-14B(13-15)

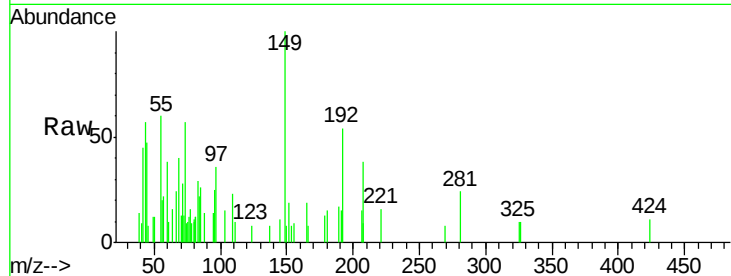
Tgt Ion:149 Resp: 2173

Ion Ratio Lower Upper

149 100

150 8.2 9.1 13.7#

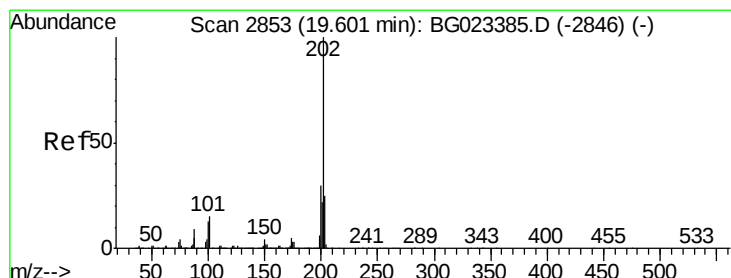
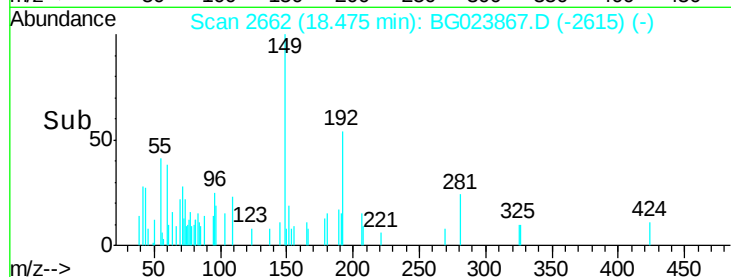
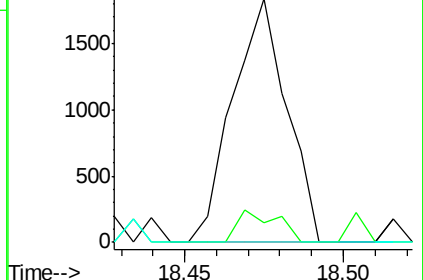
104 0.0 6.9 10.3#



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: 19.59 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG023867.D

Acq: 23 Aug 2016 23:51

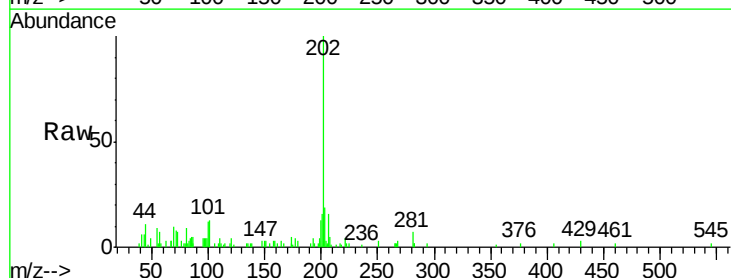
Tgt Ion:202 Resp: 16017

Ion Ratio Lower Upper

202 100

101 12.7 0.0 27.4

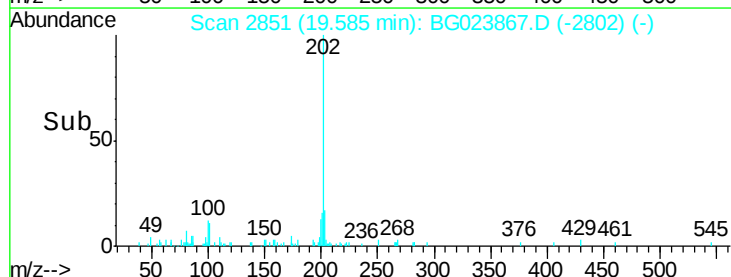
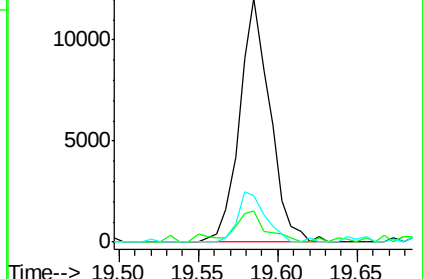
203 18.9 1.7 41.7

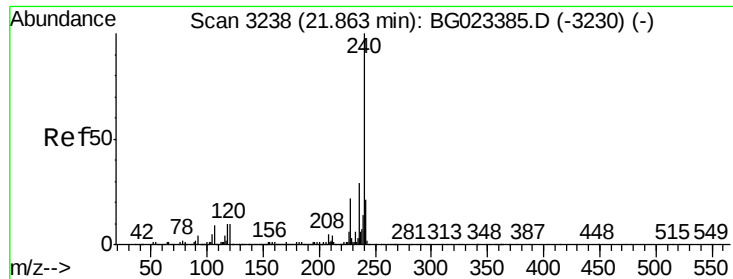


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.83 min Scan# 3234

Delta R.T. -0.03 min

Lab File: BG023867.D

Acq: 23 Aug 2016 23:51

Instrument :

BNA_G

ClientSampleId :

SB-14B(13-15)

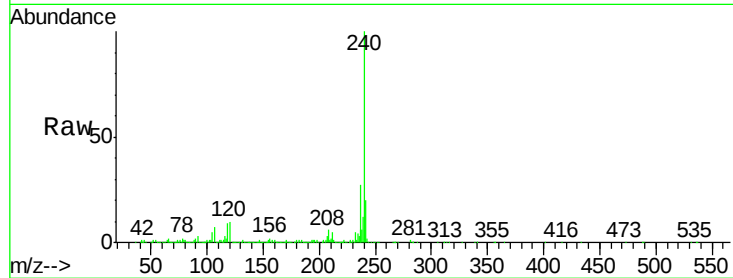
Tgt Ion:240 Resp: 698996

Ion Ratio Lower Upper

240 100

120 9.8 4.1 6.1#

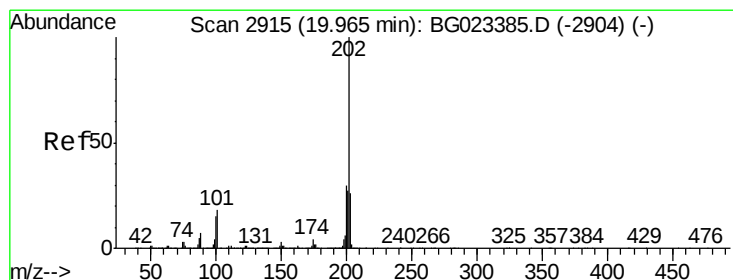
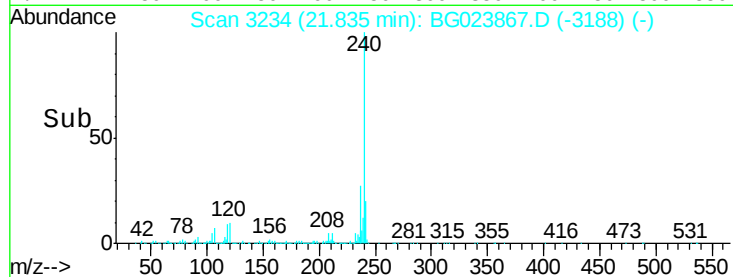
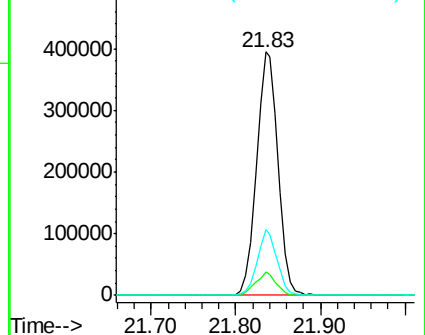
236 27.0 21.1 31.7



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: 19.94 min Scan# 2912

Delta R.T. -0.02 min

Lab File: BG023867.D

Acq: 23 Aug 2016 23:51

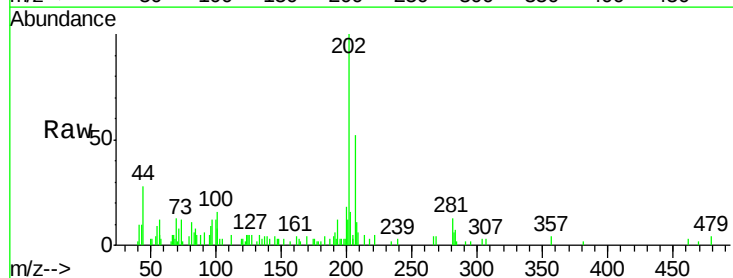
Tgt Ion:202 Resp: 12218

Ion Ratio Lower Upper

202 100

200 17.7 21.2 31.8#

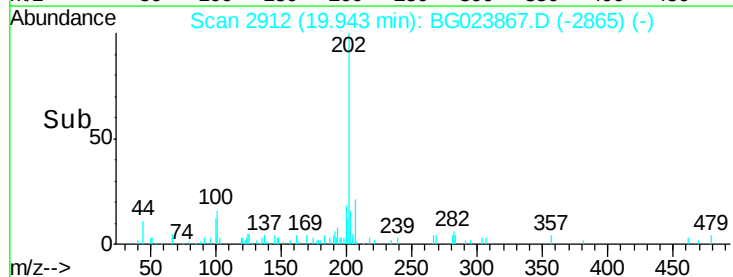
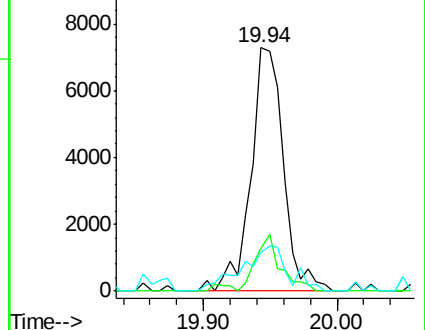
203 16.0 16.8 25.2#

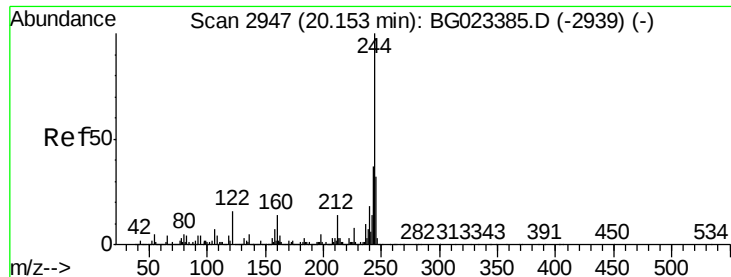


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 96.99 ng

RT: 20.13 min Scan# 2944

Delta R.T. -0.02 min

Lab File: BG023867.D

Acq: 23 Aug 2016 23:51

Instrument :

BNA_G

ClientSampleId :

SB-14B(13-15)

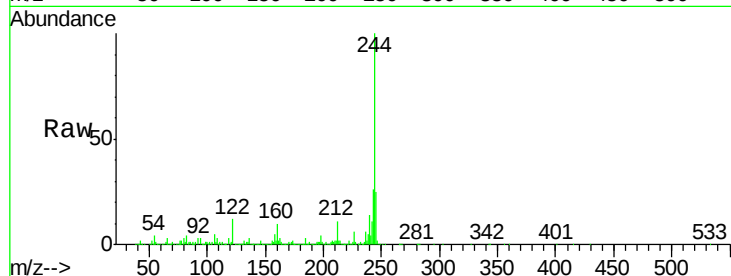
Tgt Ion:244 Resp: 2106021

Ion Ratio Lower Upper

244 100

212 11.0 10.8 16.2

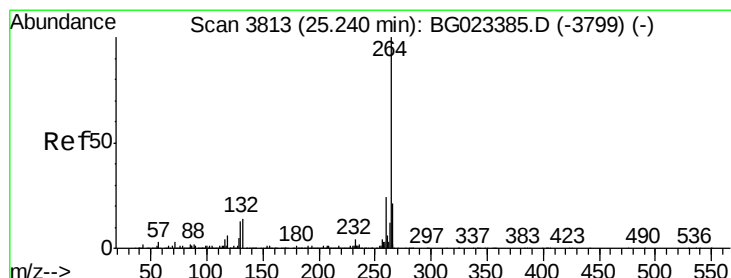
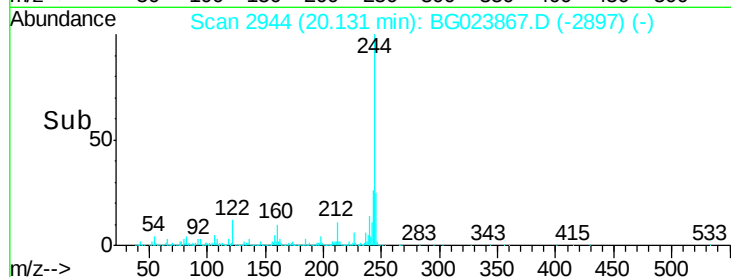
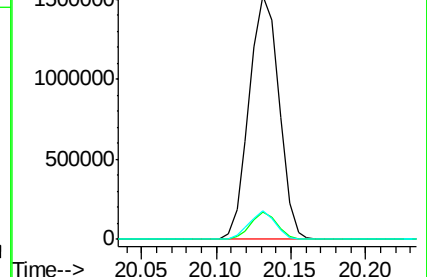
122 11.7 8.0 12.0



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# 3809

Delta R.T. -0.03 min

Lab File: BG023867.D

Acq: 23 Aug 2016 23:51

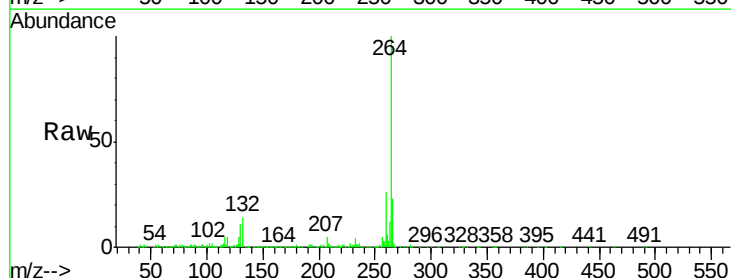
Tgt Ion:264 Resp: 681739

Ion Ratio Lower Upper

264 100

260 25.6 18.4 27.6

265 22.7 18.9 28.3



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

