

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081516\
 Data File : BG023727.D
 Acq On : 15 Aug 2016 19:06
 Operator : UM/SJ
 Sample : H4422-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IW-1

Quant Time: Aug 16 01:07:52 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

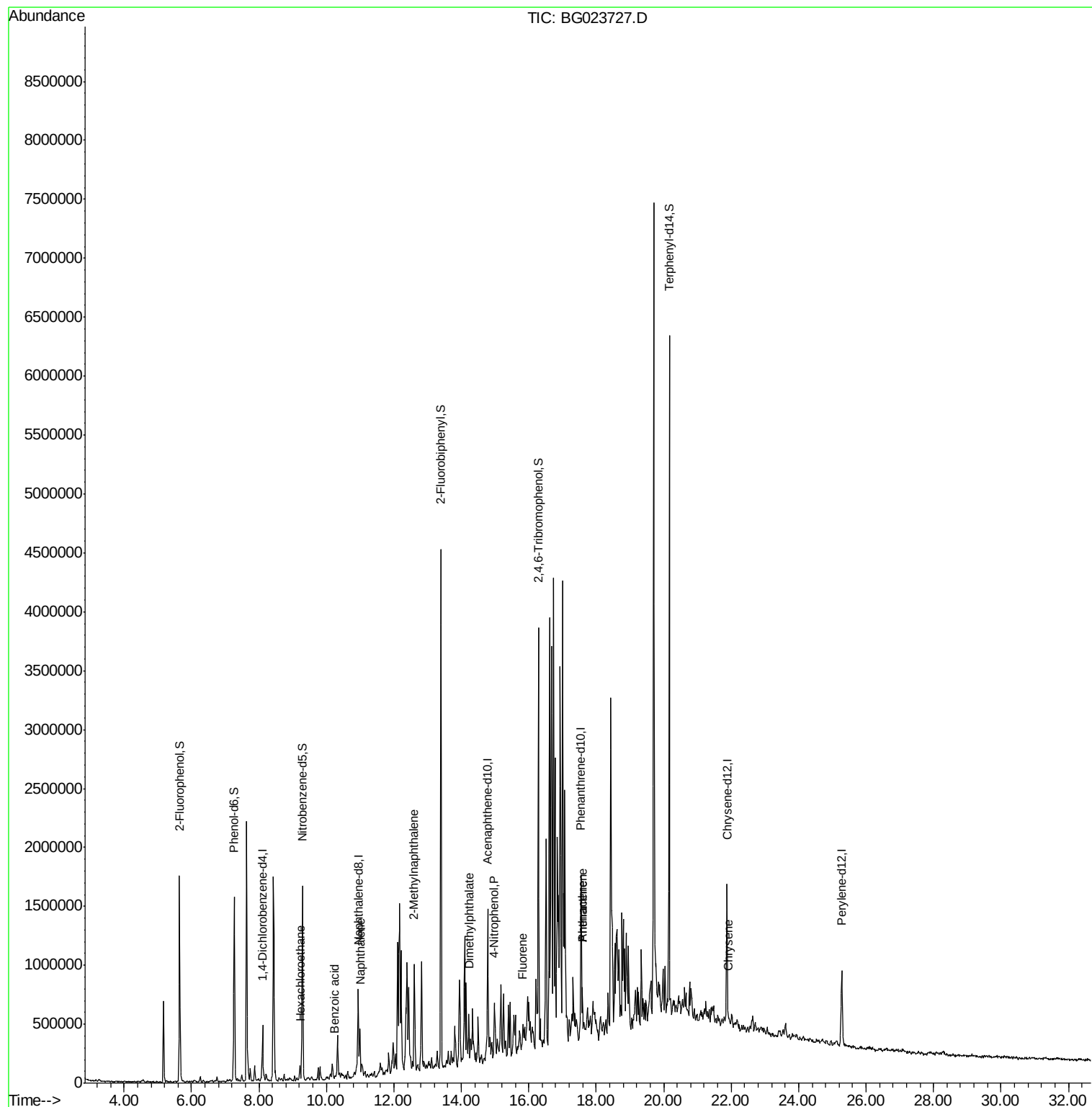
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	124970	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	589591	20.00	ng	-0.01
38) Acenaphthene-d10	14.78	164	407898	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	823238	20.00	ng	0.00
75) Chrysene-d12	21.87	240	702204	20.00	ng	0.00
86) Perylene-d12	25.28	264	731677	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	762201	102.66	ng	-0.01
7) Phenol-d6	7.27	99	979816	84.73	ng	0.00
23) Nitrobenzene-d5	9.29	82	1080590	91.12	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	629309	105.48	ng	0.00
44) 2-Fluorobiphenyl	13.40	172	2088336	86.35	ng	0.00
78) Terphenyl-d14	20.16	244	2175451	100.42	ng	0.00
Target Compounds						
9) Benzaldehyde	7.23	77	2097	Below Cal	#	1
18) Hexachloroethane	9.22	117	17156	4.56	ng	# 1
31) Naphthalene	10.99	128	249665	8.32	ng	99
32) Benzoic acid	10.23	122	1112	6.55	ng	# 71
37) 2-Methylnaphthalene	12.60	142	381703	16.72	ng	93
49) Dimethylphthalate	14.22	163	155022	4.95	ng	97
55) 4-Nitrophenol	14.98	139	25120	3.83	ng	# 8
57) Fluorene	15.83	166	65476	2.14	ng	98
70) Phenanthrene	17.60	178	240666	5.76	ng	97
71) Anthracene	17.60	178	240666	5.73	ng	97
73) Di-n-butylphthalate	18.50	149	12837	Below Cal	#	64
74) Fluoranthene	19.61	202	20770	Below Cal		78
77) Pyrene	19.97	202	116962	Below Cal	#	85
82) Chrysene	21.92	228	81194	2.20	ng	# 75

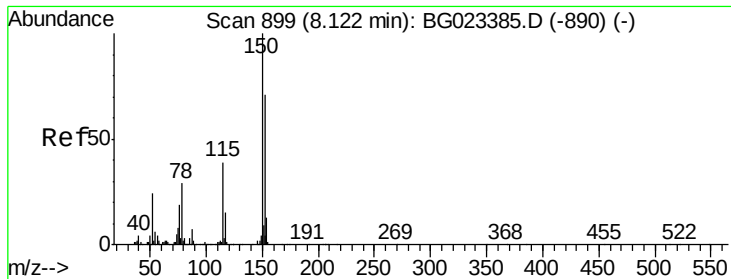
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.11 min Scan# 897

Delta R.T. -0.01 min

Lab File: BG023727.D

Acq: 15 Aug 2016 19:06

Instrument :

BNA_G

ClientSampleId :

IW-1

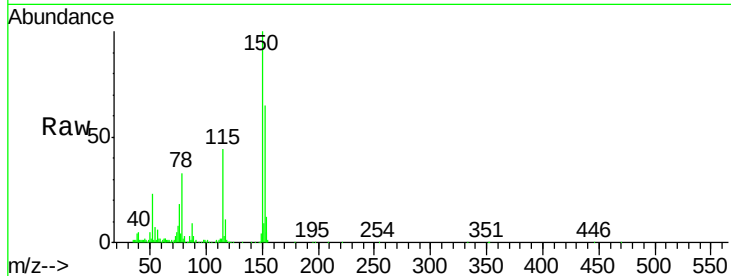
Tgt Ion:152 Resp: 124970

Ion Ratio Lower Upper

152 100

150 154.4 144.7 217.1

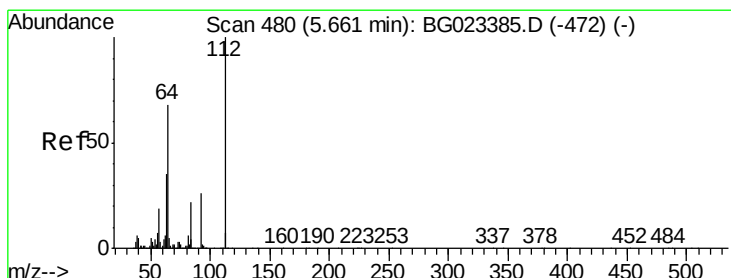
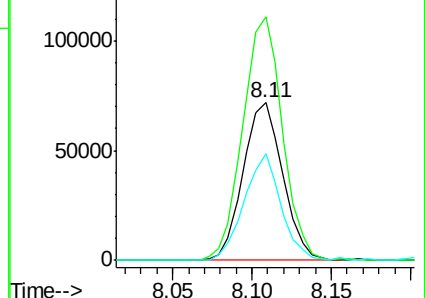
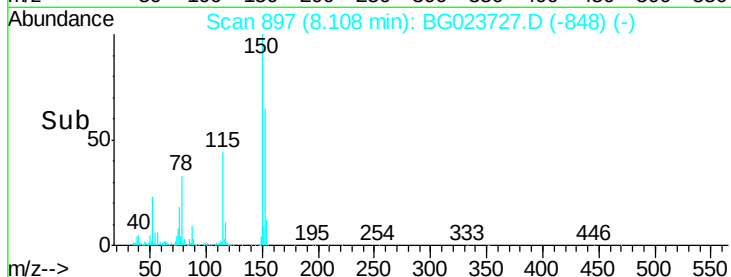
115 67.3 64.0 96.0



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: 102.66 ng

RT: 5.65 min Scan# 478

Delta R.T. -0.01 min

Lab File: BG023727.D

Acq: 15 Aug 2016 19:06

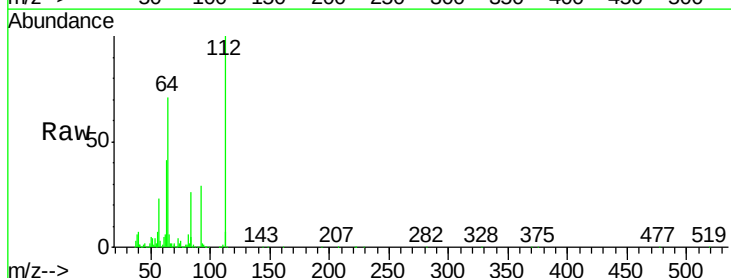
Tgt Ion:112 Resp: 762201

Ion Ratio Lower Upper

112 100

64 71.3 59.0 88.4

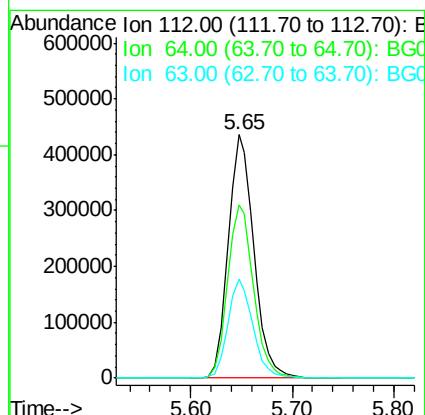
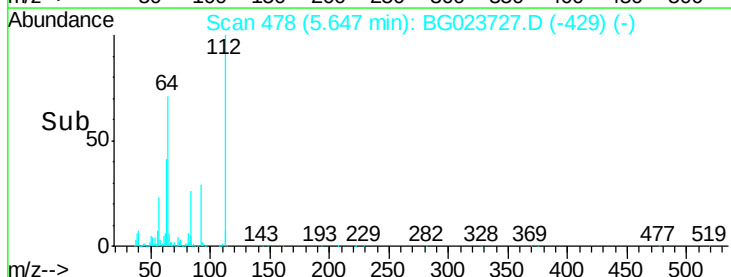
63 40.8 37.8 56.8

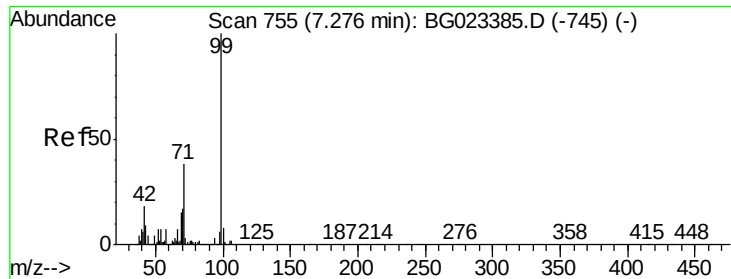


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 84.73 ng

RT: 7.27 min Scan# 754

Delta R.T. -0.01 min

Lab File: BG023727.D

Acq: 15 Aug 2016 19:06

Instrument :

BNA_G

ClientSampleId :

IW-1

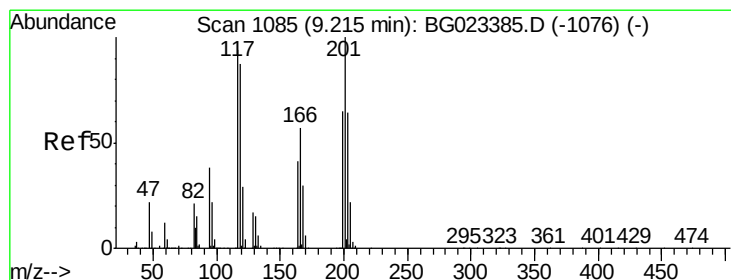
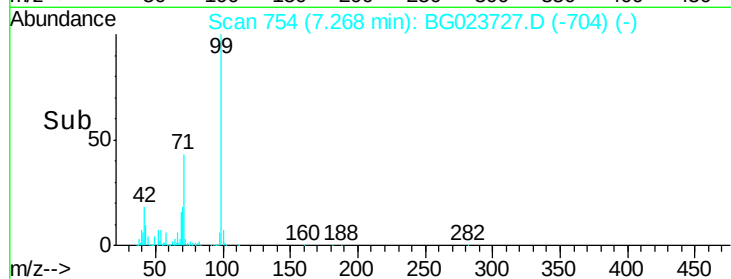
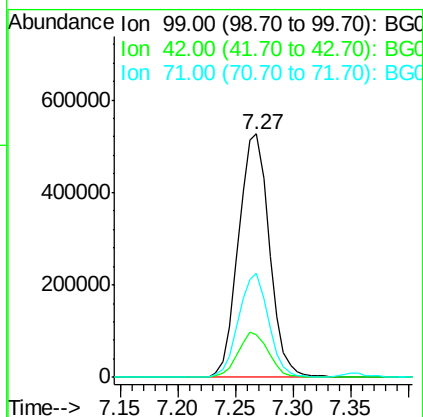
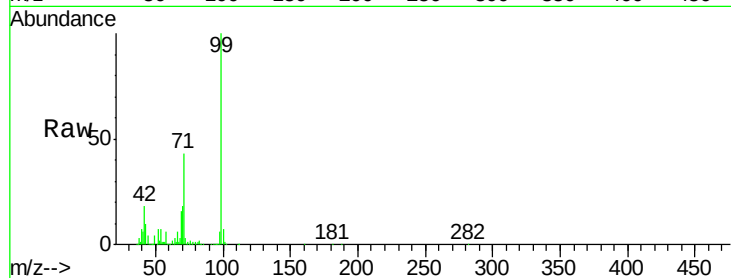
Tgt Ion: 99 Resp: 979816

Ion Ratio Lower Upper

99 100

42 17.7 17.8 26.6#

71 42.9 41.5 62.3



#18

Hexachloroethane

Concen: 4.56 ng

RT: 9.22 min Scan# 1087

Delta R.T. 0.01 min

Lab File: BG023727.D

Acq: 15 Aug 2016 19:06

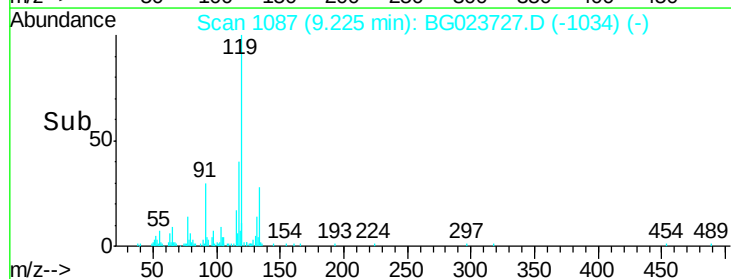
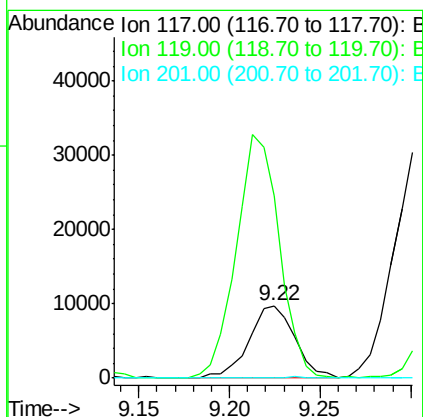
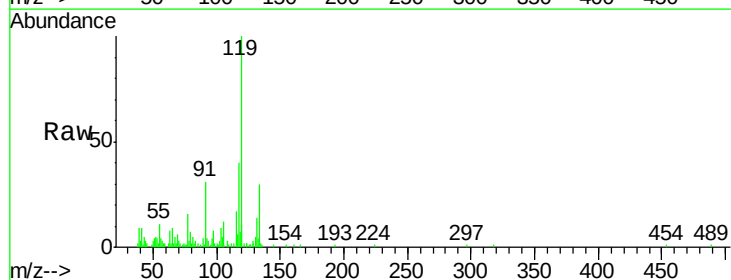
Tgt Ion: 117 Resp: 17156

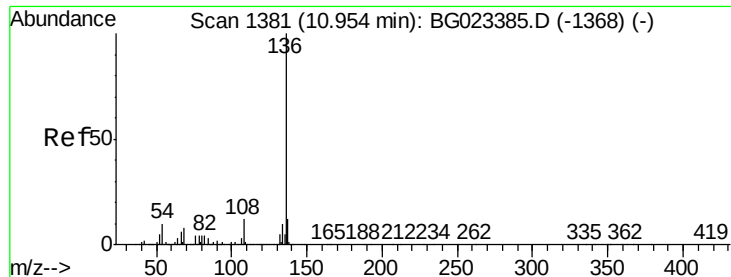
Ion Ratio Lower Upper

117 100

119 251.6 73.7 110.5#

201 0.0 88.7 133.1#

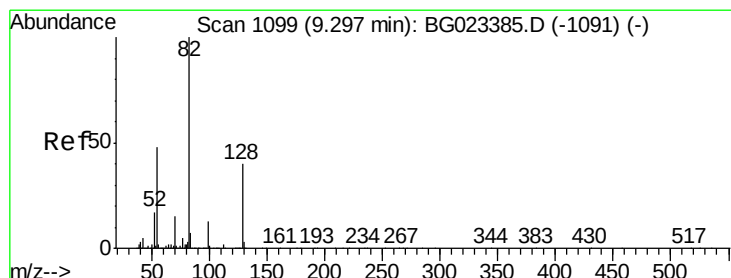
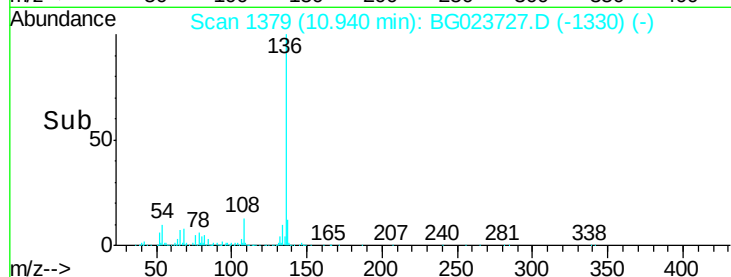
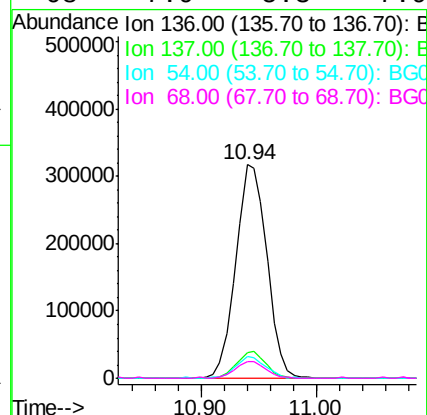
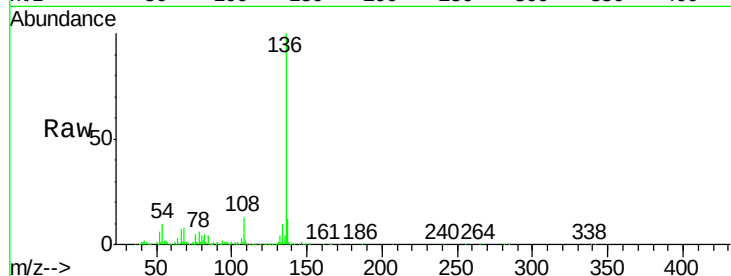




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.94 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BG023727.D
Acq: 15 Aug 2016 19:06

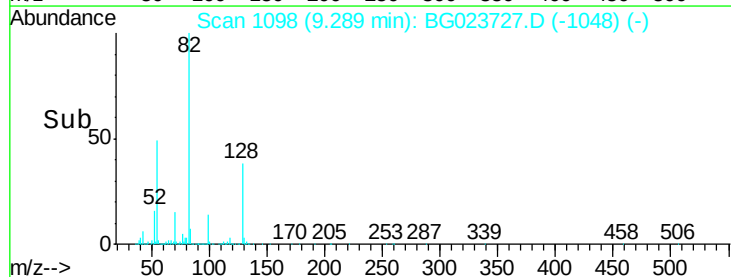
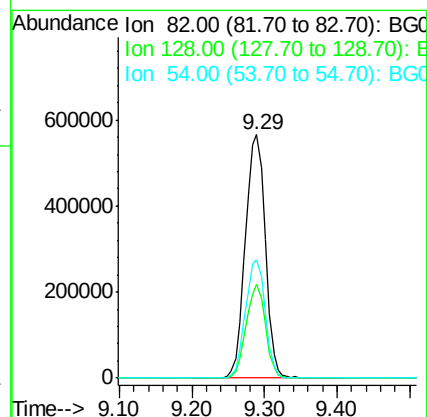
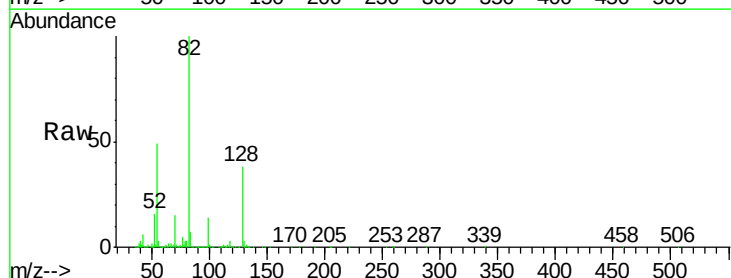
Instrument :
BNA_G
ClientSampleId :
IW-1

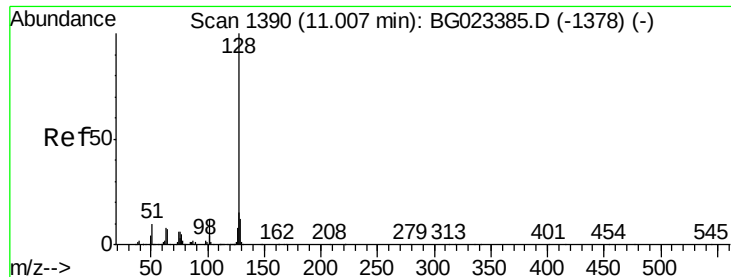
Tgt Ion:	136	Resp:	589591
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.6	14.4
54	10.0	7.3	10.9
68	7.9	5.3	7.9#



#23
Nitrobenzene-d5
Concen: 91.12 ng
RT: 9.29 min Scan# 1098
Delta R.T. -0.01 min
Lab File: BG023727.D
Acq: 15 Aug 2016 19:06

Tgt Ion:	82	Resp:	1080590
Ion	Ratio	Lower	Upper
82	100		
128	38.3	24.4	36.6#
54	48.7	41.4	62.0

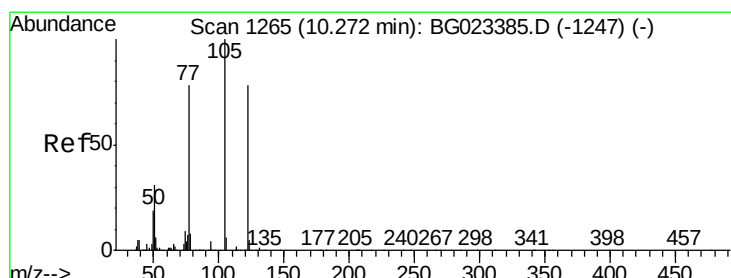
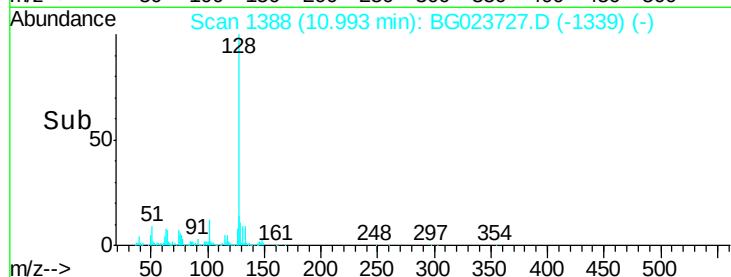
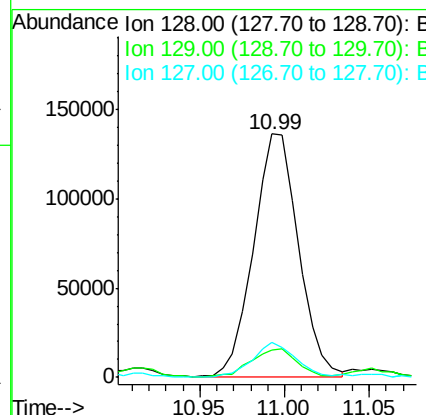
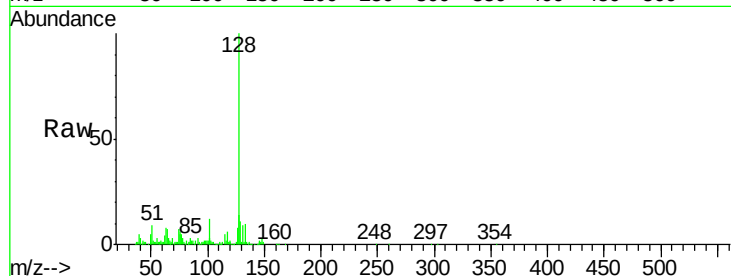




#31
Naphthalene
Concen: 8.32 ng
RT: 10.99 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BG023727.D
Acq: 15 Aug 2016 19:06

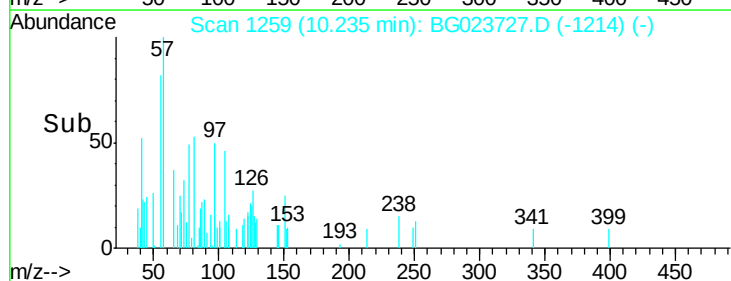
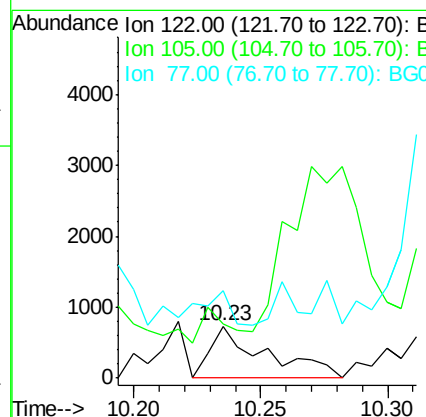
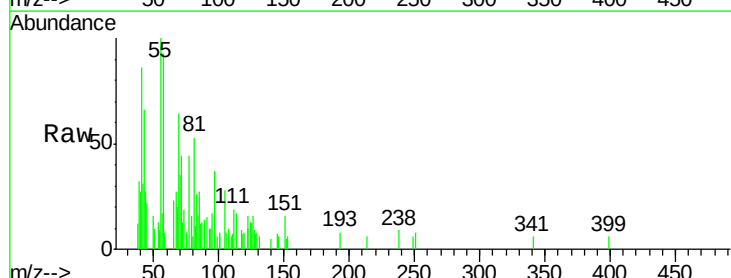
Instrument :
BNA_G
ClientSampleId :
IW-1

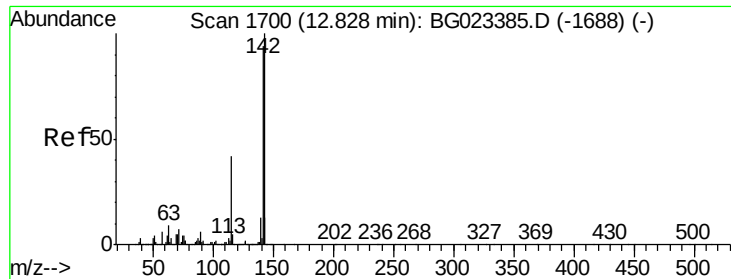
Tgt Ion:	128	Resp:	249665
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.4	14.0
127	14.3	11.3	16.9



#32
Benzoic acid
Concen: 6.55 ng
RT: 10.23 min Scan# 1259
Delta R.T. -0.04 min
Lab File: BG023727.D
Acq: 15 Aug 2016 19:06

Tgt Ion:	122	Resp:	1112
Ion	Ratio	Lower	Upper
122	100		
105	105.3	117.2	157.2#
77	166.9	109.2	149.2#

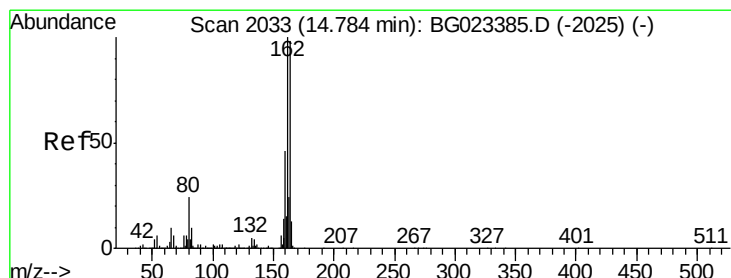
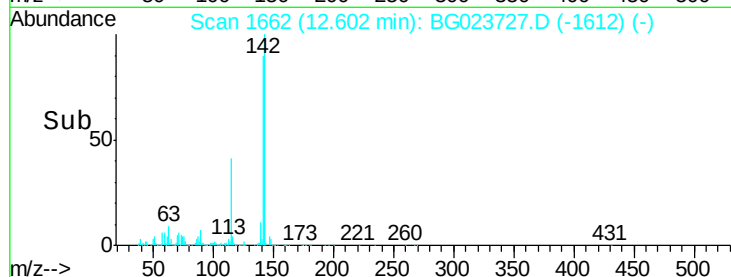
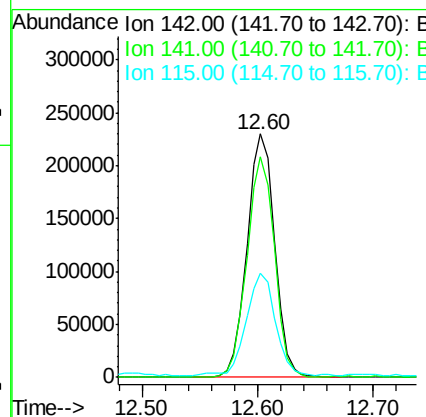
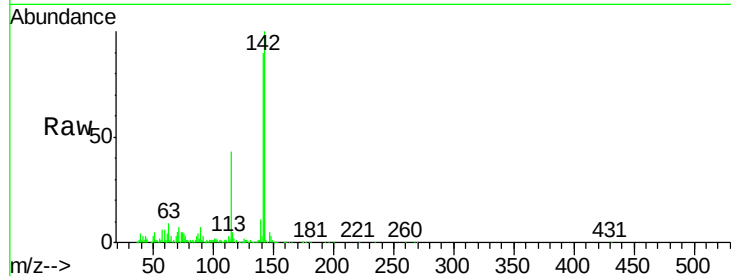




#37
 2-Methylnaphthalene
 Concen: 16.72 ng
 RT: 12.60 min Scan# 1662
 Delta R.T. -0.01 min
 Lab File: BG023727.D
 Acq: 15 Aug 2016 19:06

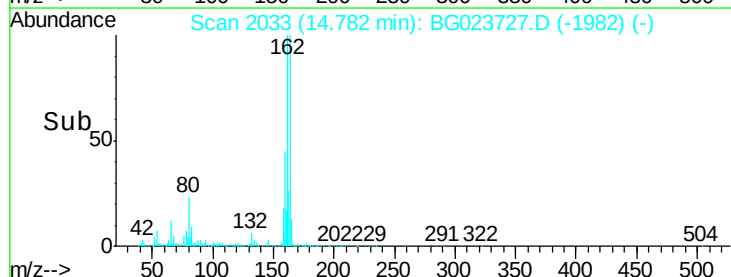
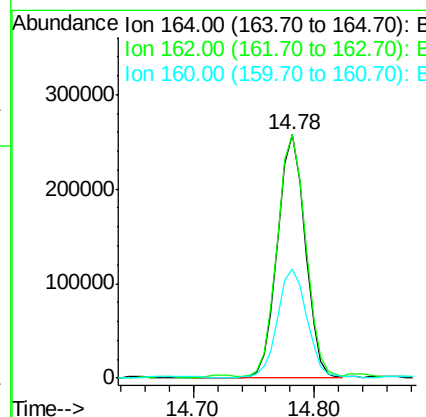
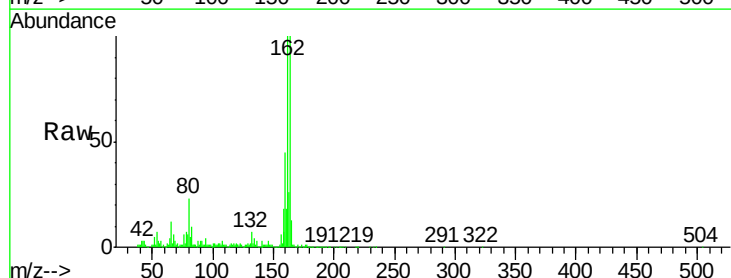
Instrument :
 BNA_G
 ClientSampleId :
 IW-1

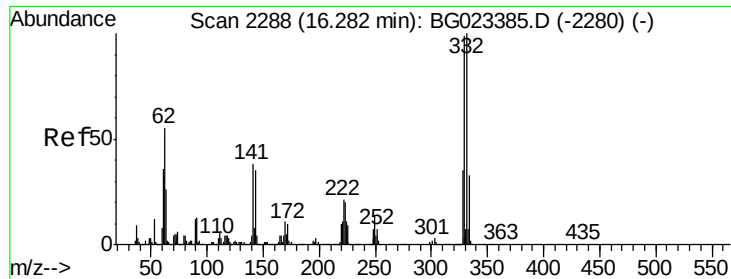
Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.2	105.2
115	42.6	41.7	62.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.78 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: BG023727.D
 Acq: 15 Aug 2016 19:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	87.7	131.5
160	44.8	37.2	55.8

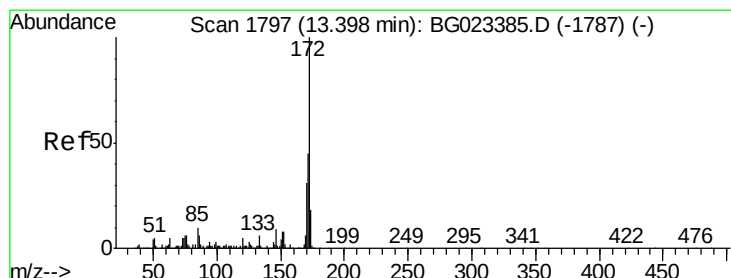
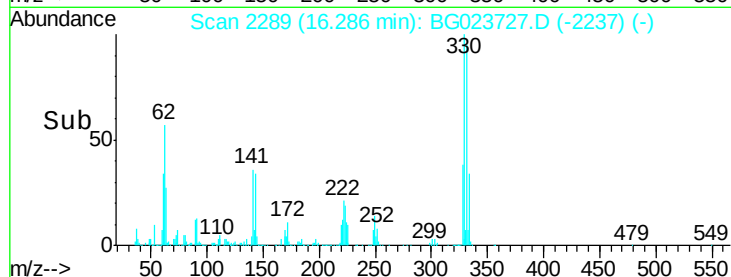
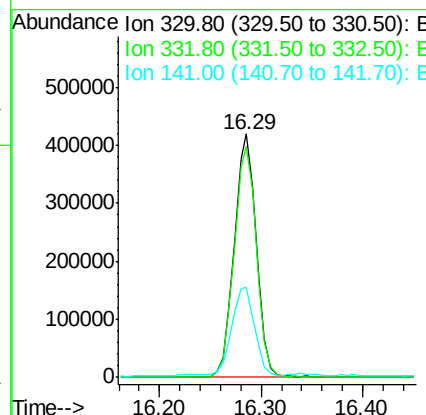
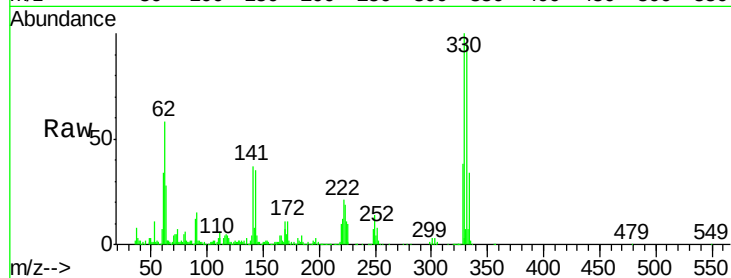




#41
 2,4,6-Tribromophenol
 Concen: 105.48 ng
 RT: 16.29 min Scan# 2289
 Delta R.T. 0.00 min
 Lab File: BG023727.D
 Acq: 15 Aug 2016 19:06

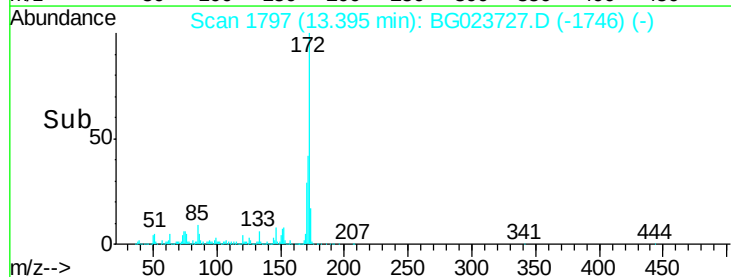
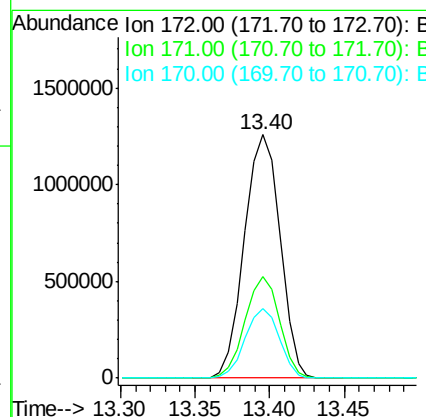
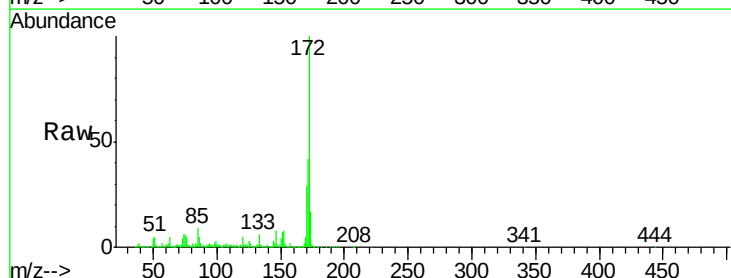
Instrument :
 BNA_G
 ClientSampleId :
 IW-1

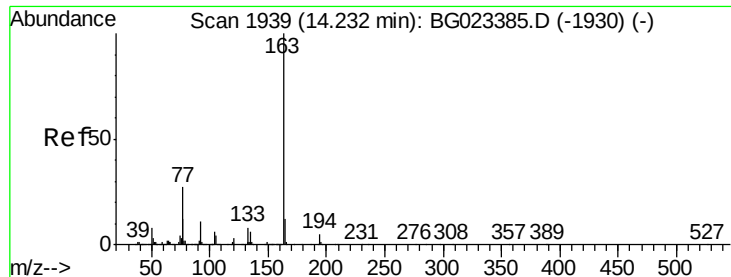
Tgt Ion:330 Resp: 629309
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.4 116.2
 141 38.0 31.7 47.5



#44
 2-Fluorobiphenyl
 Concen: 86.35 ng
 RT: 13.40 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: BG023727.D
 Acq: 15 Aug 2016 19:06

Tgt Ion:172 Resp: 2088336
 Ion Ratio Lower Upper
 172 100
 171 41.9 31.6 47.4
 170 28.7 21.3 31.9





#49

Dimethylphthalate

Concen: 4.95 ng

RT: 14.22 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG023727.D

Acq: 15 Aug 2016 19:06

Instrument :

BNA_G

ClientSampleId :

IW-1

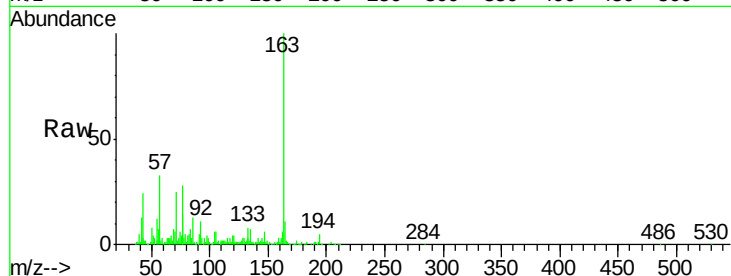
Tgt Ion:163 Resp: 155022

Ion Ratio Lower Upper

163 100

194 4.7 3.6 5.4

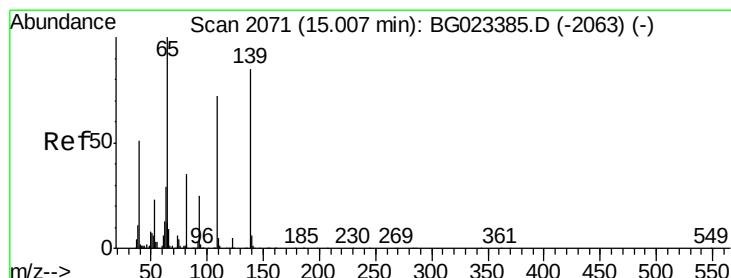
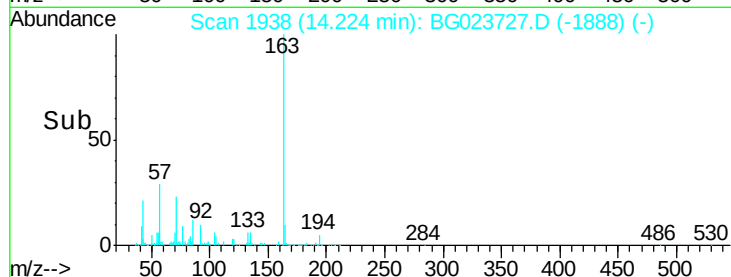
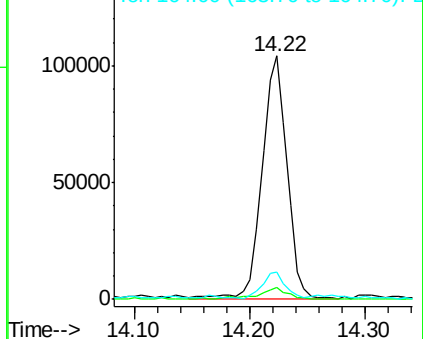
164 11.4 8.1 12.1



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



#55

4-Nitrophenol

Concen: 3.83 ng

RT: 14.98 min Scan# 2067

Delta R.T. -0.03 min

Lab File: BG023727.D

Acq: 15 Aug 2016 19:06

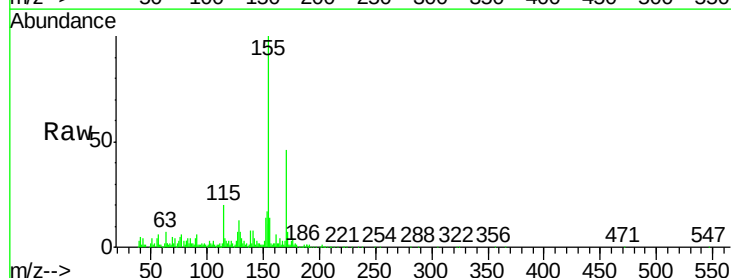
Tgt Ion:139 Resp: 25120

Ion Ratio Lower Upper

139 100

109 16.3 103.0 143.0#

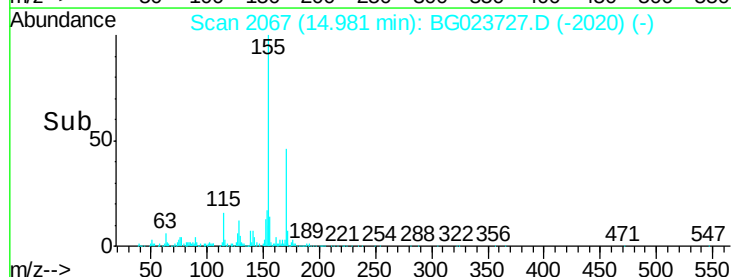
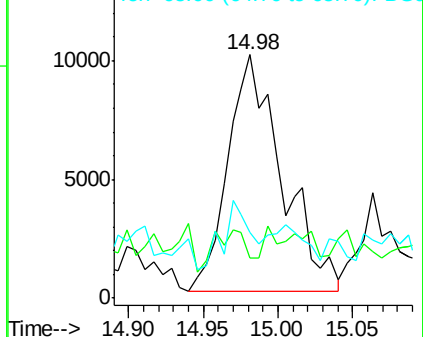
65 26.9 112.7 152.7#

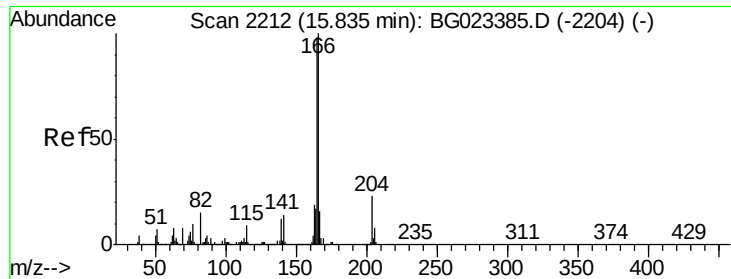


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

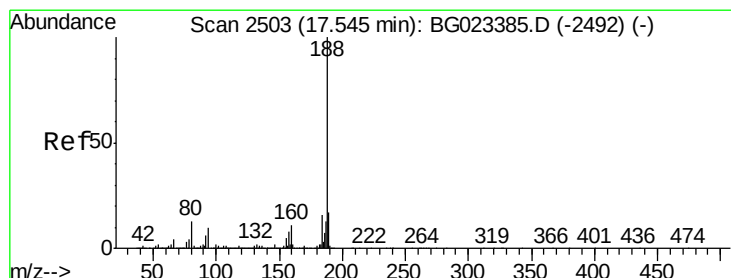
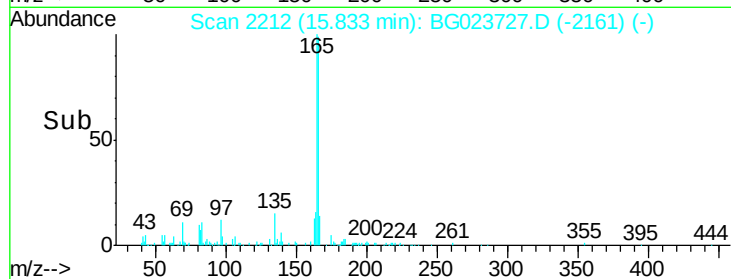
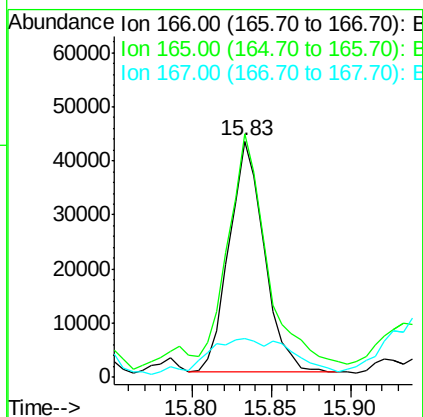
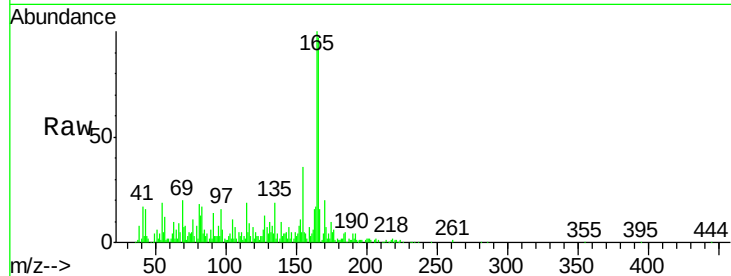




#57
Fluorene
 Concen: 2.14 ng
 RT: 15.83 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: BG023727.D
 Acq: 15 Aug 2016 19:06

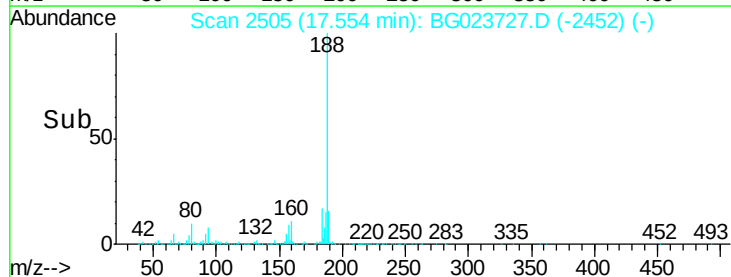
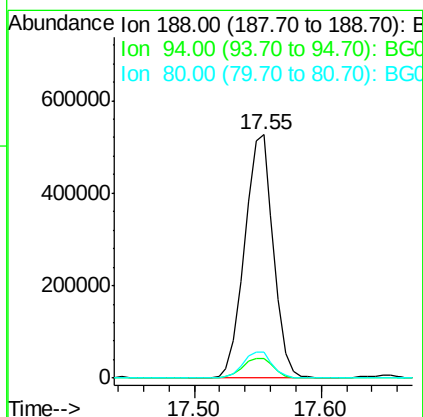
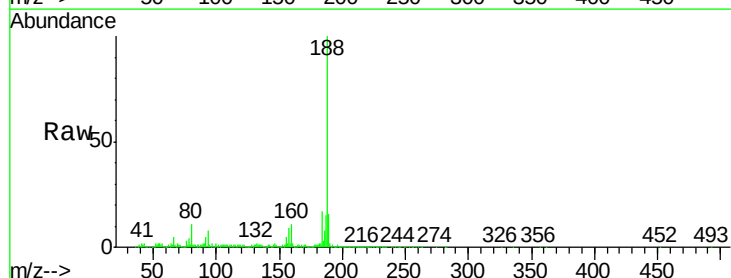
Instrument :
 BNA_G
 ClientSampleId :
 IW-1

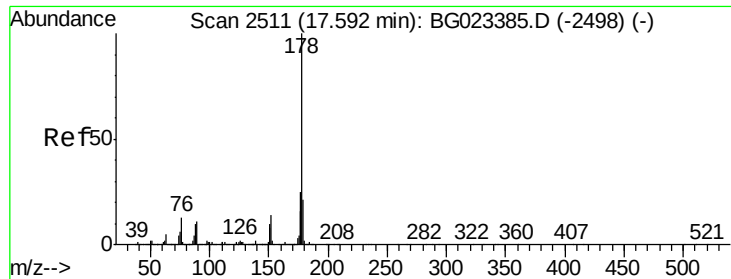
Tgt Ion	Resp	Lower	Upper
166	100		
165	103.2	81.0	121.6
167	16.4	12.0	18.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.55 min Scan# 2505
 Delta R.T. 0.01 min
 Lab File: BG023727.D
 Acq: 15 Aug 2016 19:06

Tgt Ion	Resp	Lower	Upper
188	100		
94	8.1	5.2	7.8#
80	10.6	7.2	10.8





#70

Phenanthrene

Concen: 5.76 ng

RT: 17.60 min Scan# 2512

Delta R.T. 0.00 min

Lab File: BG023727.D

Acq: 15 Aug 2016 19:06

Instrument :

BNA_G

ClientSampleId :

IW-1

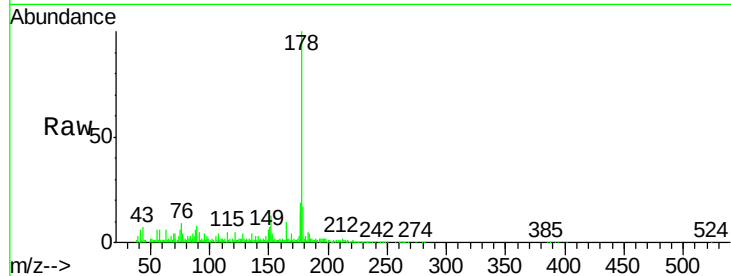
Tgt Ion:178 Resp: 240666

Ion Ratio Lower Upper

178 100

176 19.0 16.8 25.2

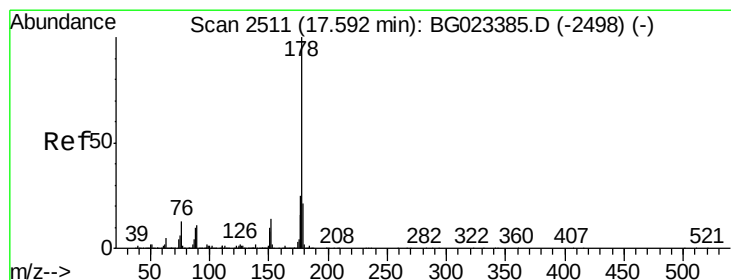
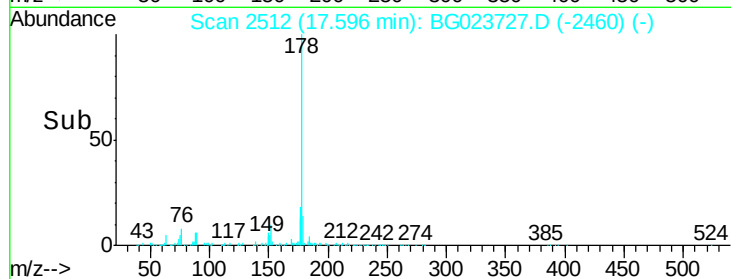
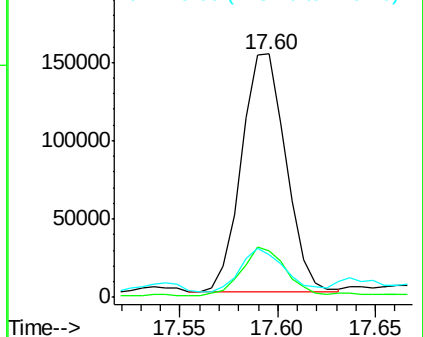
179 17.3 14.3 21.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 5.73 ng

RT: 17.60 min Scan# 2512

Delta R.T. -0.08 min

Lab File: BG023727.D

Acq: 15 Aug 2016 19:06

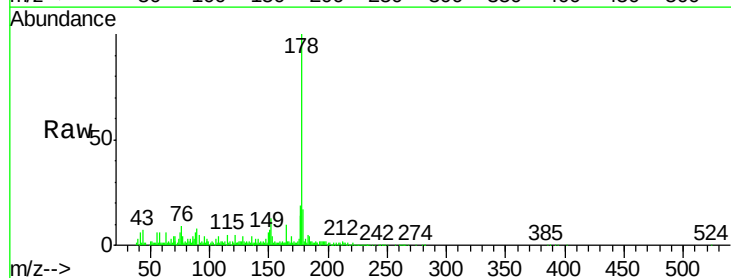
Tgt Ion:178 Resp: 240666

Ion Ratio Lower Upper

178 100

176 19.0 17.3 25.9

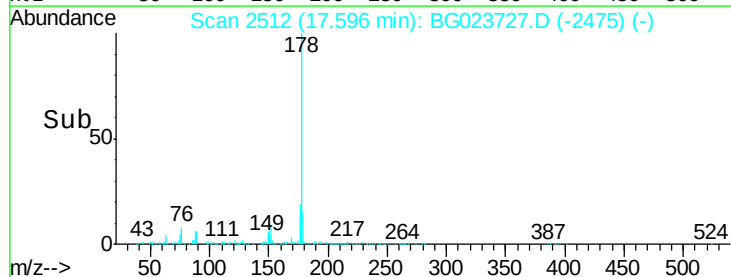
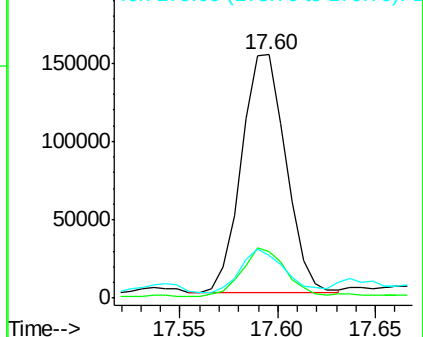
179 17.3 14.0 21.0

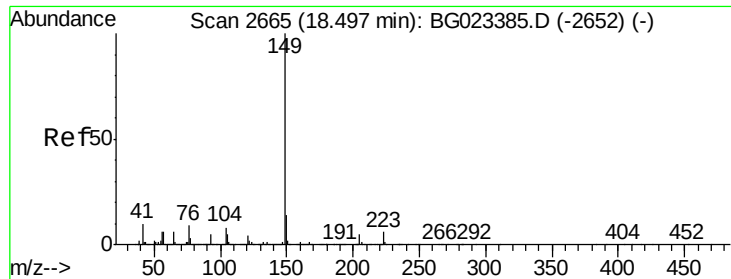


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

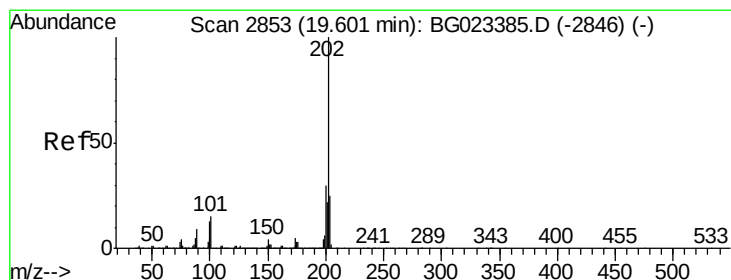
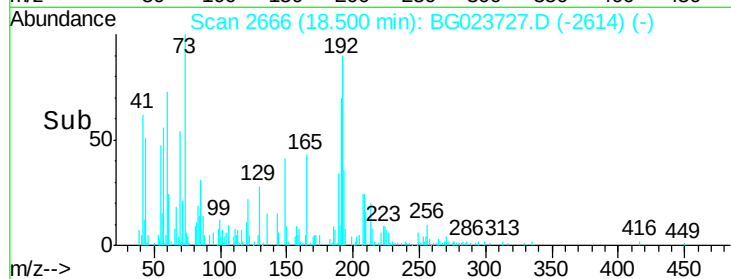
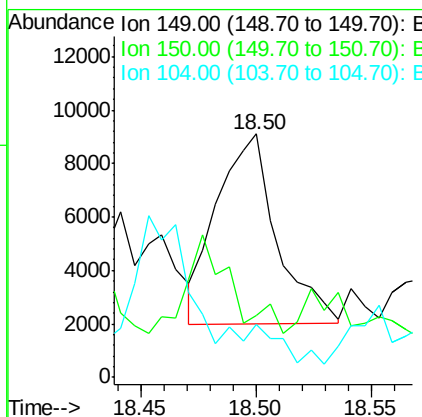
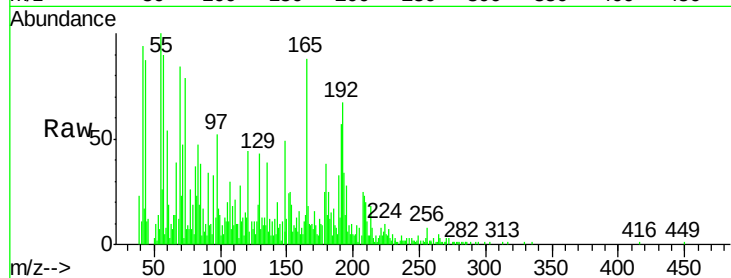




#73
Di-n-butylphthalate
Concen: Below Cal
RT: 18.50 min Scan# 2666
Delta R.T. 0.00 min
Lab File: BG023727.D
Acq: 15 Aug 2016 19:06

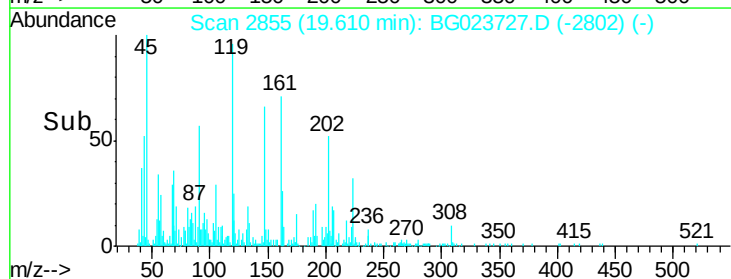
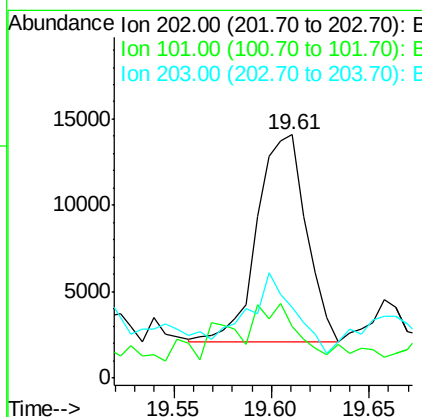
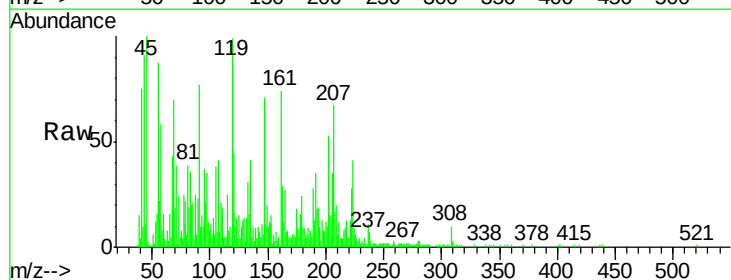
Instrument :
BNA_G
ClientSampleId :
IW-1

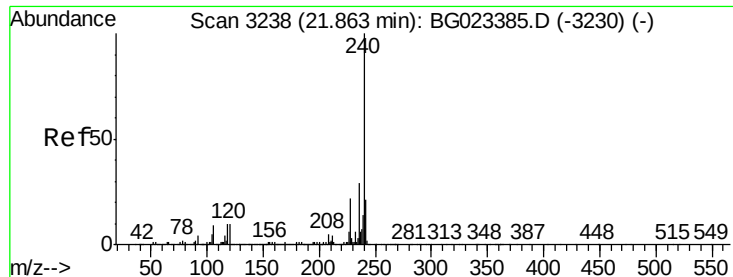
Tgt Ion:149 Resp: 12837
Ion Ratio Lower Upper
149 100
150 25.4 9.1 13.7#
104 21.5 6.9 10.3#



#74
Fluoranthene
Concen: Below Cal
RT: 19.61 min Scan# 2855
Delta R.T. 0.01 min
Lab File: BG023727.D
Acq: 15 Aug 2016 19:06

Tgt Ion:202 Resp: 20770
Ion Ratio Lower Upper
202 100
101 21.1 0.0 27.4
203 29.1 1.7 41.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.87 min Scan# 3240

Delta R.T. 0.01 min

Lab File: BG023727.D

Acq: 15 Aug 2016 19:06

Instrument :

BNA_G

ClientSampleId :

IW-1

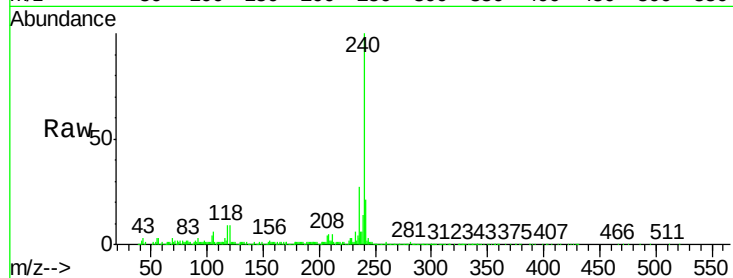
Tgt Ion:240 Resp: 702204

Ion Ratio Lower Upper

240 100

120 8.9 4.1 6.1#

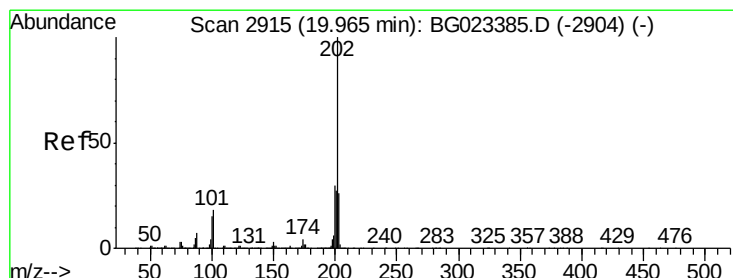
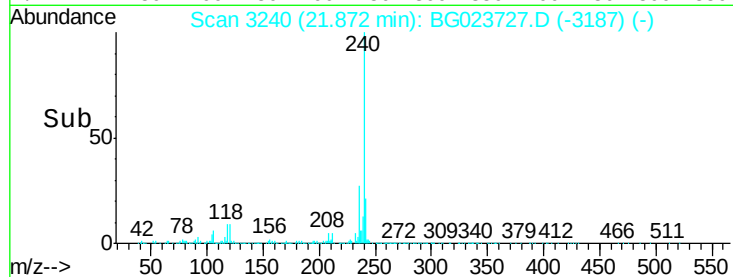
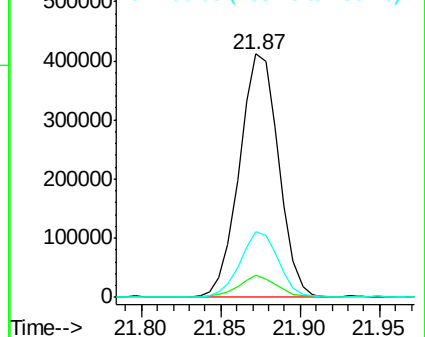
236 26.8 21.1 31.7



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: 19.97 min Scan# 2916

Delta R.T. 0.00 min

Lab File: BG023727.D

Acq: 15 Aug 2016 19:06

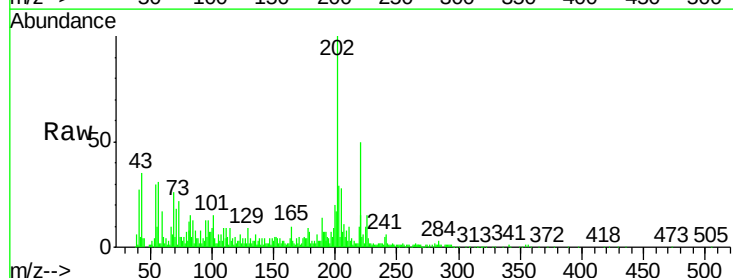
Tgt Ion:202 Resp: 116962

Ion Ratio Lower Upper

202 100

200 19.7 21.2 31.8#

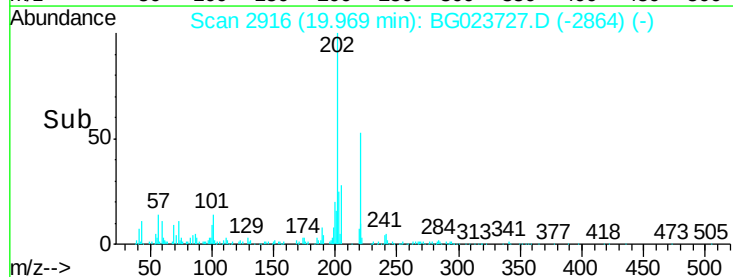
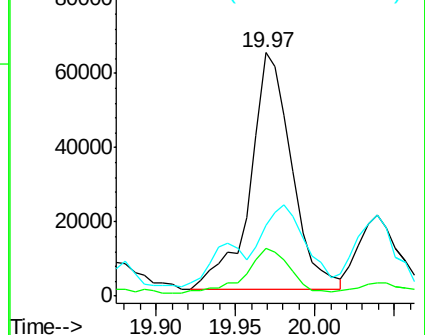
203 29.0 16.8 25.2#

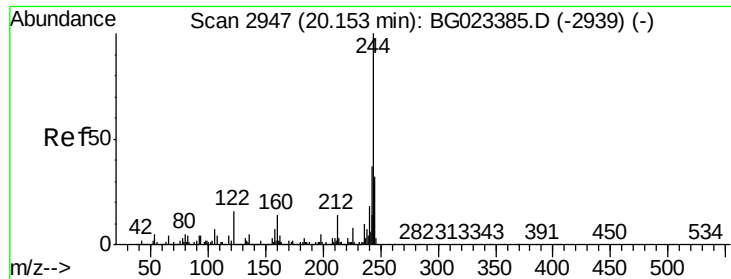


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 100.42 ng

RT: 20.16 min Scan# 2949

Delta R.T. 0.01 min

Lab File: BG023727.D

Acq: 15 Aug 2016 19:06

Instrument :

BNA_G

ClientSampleId :

IW-1

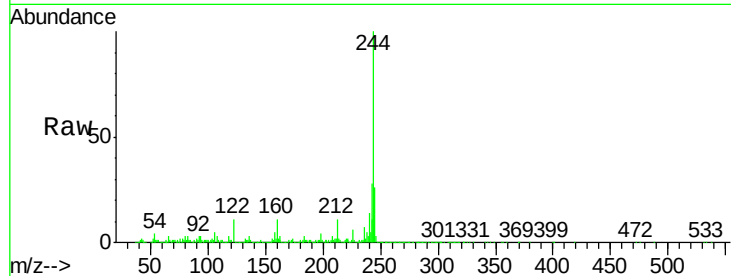
Tgt Ion:244 Resp: 2175451

Ion Ratio Lower Upper

244 100

212 11.3 10.8 16.2

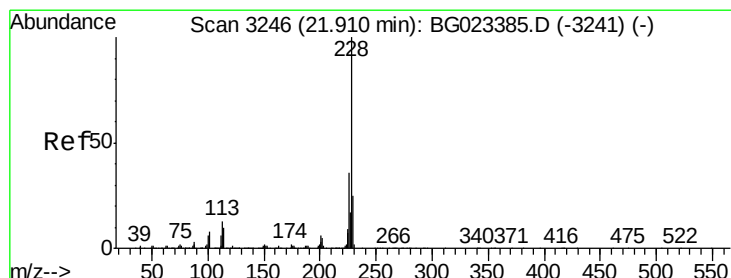
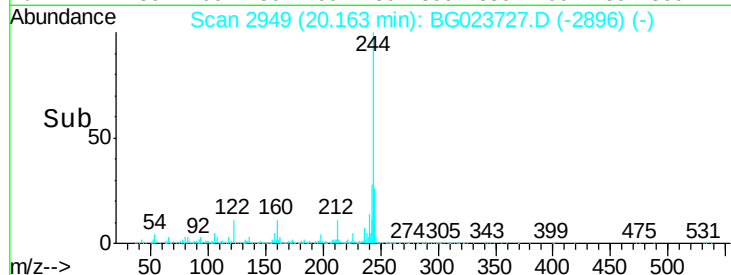
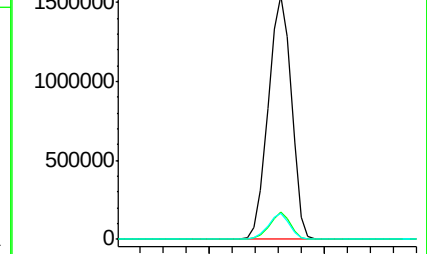
122 10.9 8.0 12.0



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



#82

Chrysene

Concen: 2.20 ng

RT: 21.92 min Scan# 3248

Delta R.T. 0.01 min

Lab File: BG023727.D

Acq: 15 Aug 2016 19:06

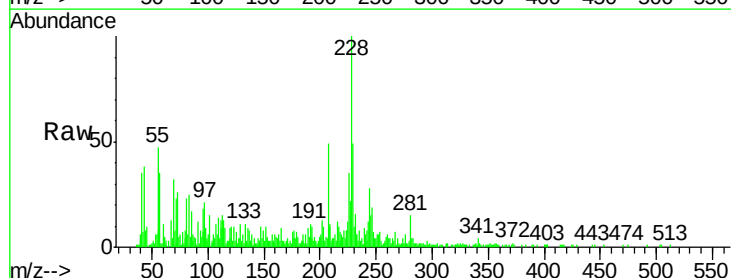
Tgt Ion:228 Resp: 81194

Ion Ratio Lower Upper

228 100

226 35.2 26.7 40.1

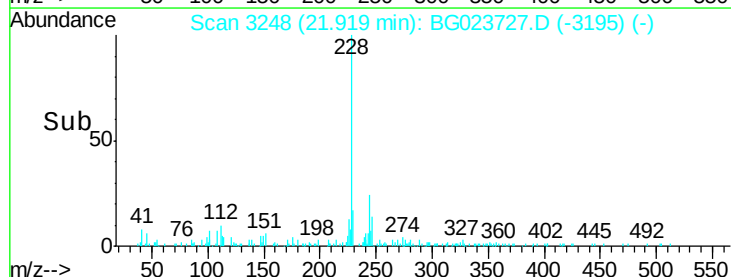
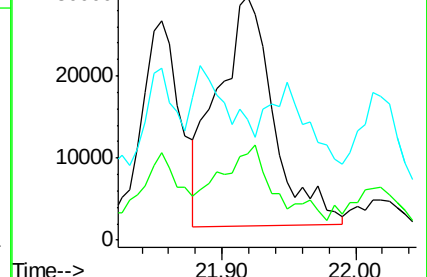
229 49.4 17.4 26.2#

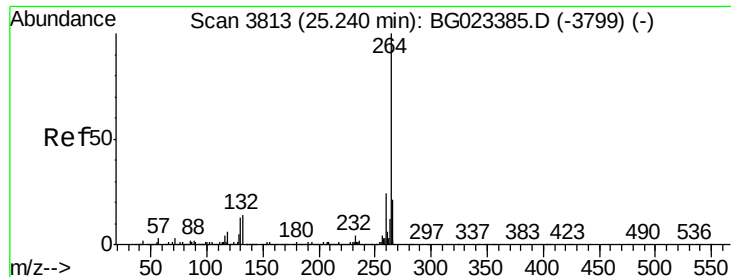


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.28 min Scan# 3820
Delta R.T. 0.04 min
Lab File: BG023727.D
Acq: 15 Aug 2016 19:06

Instrument :
BNA_G
ClientSampleId :
IW-1

Tgt Ion:	264	Resp:	731677
Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.4	27.6
265	21.9	18.9	28.3

