

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071816\
 Data File : BG023169.D
 Acq On : 18 Jul 2016 21:57
 Operator : UM/SJ
 Sample : H4044-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

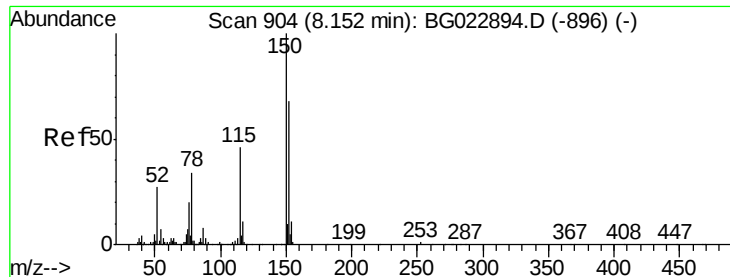
Instrument :
 BNA_G
 ClientSampleId :
 F9-B2(0-6)C

Quant Time: Jul 19 01:06:24 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	163103	20.00	ng	-0.04
21) Naphthalene-d8	10.93	136	716602	20.00	ng	-0.04
38) Acenaphthene-d10	14.75	164	449242	20.00	ng	-0.05
63) Phenanthrene-d10	17.49	188	934182	20.00	ng	-0.07
75) Chrysene-d12	21.75	240	903114	20.00	ng	-0.10
86) Perylene-d12	25.04	264	845442	20.00	ng	-0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	709262	71.12	ng	-0.03
7) Phenol-d6	7.27	99	1102480	70.58	ng	-0.03
23) Nitrobenzene-d5	9.28	82	905615	54.11	ng	-0.04
41) 2,4,6-Tribromophenol	16.23	330	397714	49.26	ng	-0.06
44) 2-Fluorobiphenyl	13.37	172	1602346	56.18	ng	-0.04
78) Terphenyl-d14	20.08	244	1784869	54.35	ng	-0.08
Target Compounds						
9) Benzaldehyde	7.26	77	21995	2.11	ng	# 78
22) Acetophenone	8.94	105	53003	2.46	ng	# 85
49) Dimethylphthalate	14.19	163	292816	7.98	ng	99
70) Phenanthrene	17.53	178	162172	3.54	ng	95
71) Anthracene	17.53	178	162172	3.50	ng	95
74) Fluoranthene	19.52	202	415929	7.40	ng	93
77) Pyrene	19.89	202	391452	7.71	ng	94
80) Benzo(a)anthracene	21.80	228	238230	4.71	ng	94
82) Chrysene	21.80	228	238230	5.03	ng	99
83) Bis(2-ethylhexyl)phthalate	21.61	149	137417	4.92	ng	# 95
87) Benzo(b)fluoranthene	23.99	252	349563	7.17	ng	# 97
88) Benzo(k)fluoranthene	23.99	252	349563	7.55	ng	# 97
89) Benzo(a)pyrene	24.88	252	203035	4.34	ng	# 94

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

```
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Sample    : H4044-05  
Misc      :  
ALS Vial  : 14      Sample Multiplier: 1
```

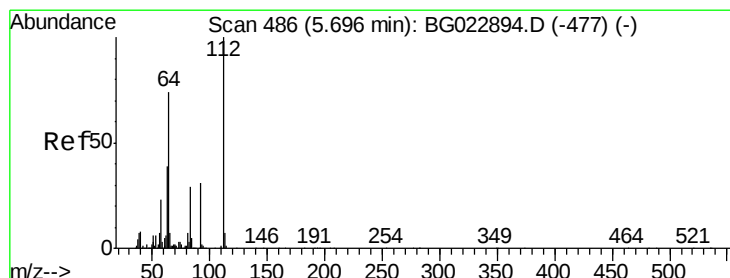
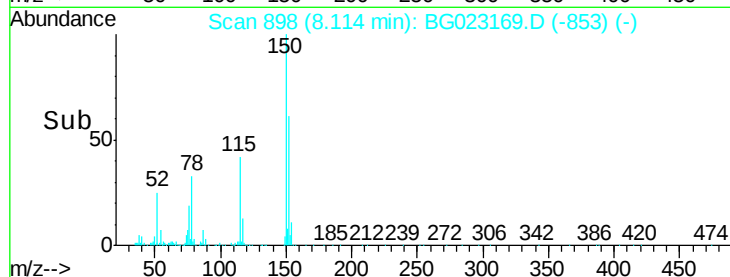
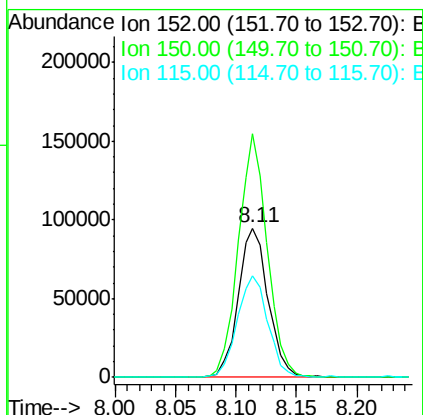
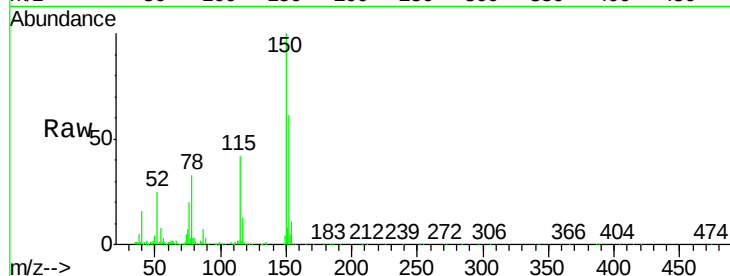


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 898
Delta R.T. -0.04 min
Lab File: BG023169.D
Acq: 18 Jul 2016 21:57

Instrument :
BNA_G
ClientSampleId :
F9-B2(0-6)C

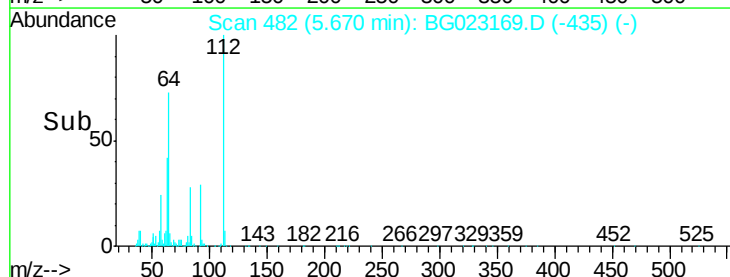
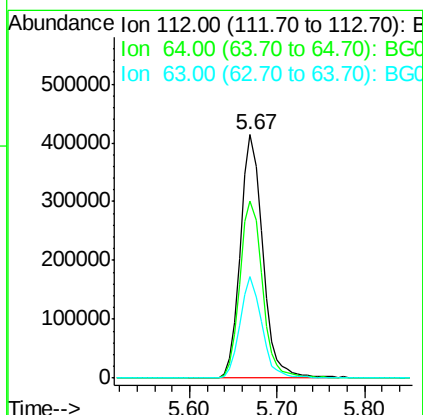
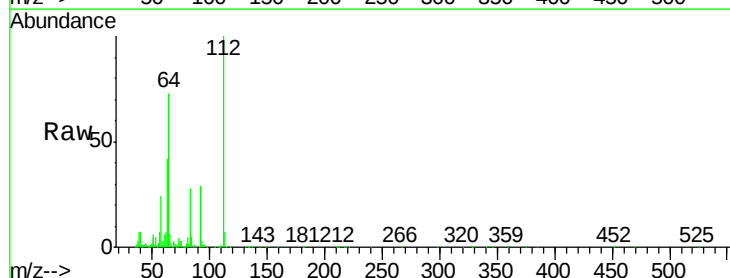
Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.3	144.7	217.1
115	68.3	64.0	96.0

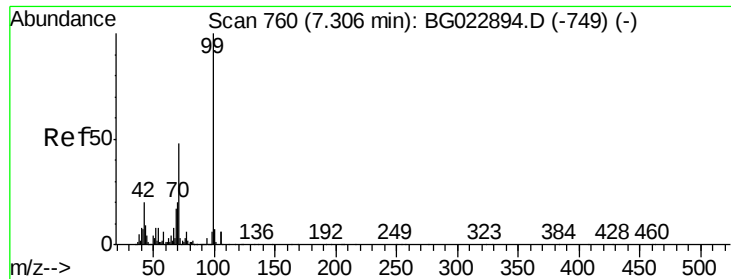


#5

2-Fluorophenol
Concen: 71.12 ng
RT: 5.67 min Scan# 482
Delta R.T. -0.03 min
Lab File: BG023169.D
Acq: 18 Jul 2016 21:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.8	59.0	88.4
63	41.6	37.8	56.8





#7

Phenol-d6

Concen: 70.58 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.03 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

Instrument :

BNA_G

ClientSampleId :

F9-B2(0-6)C

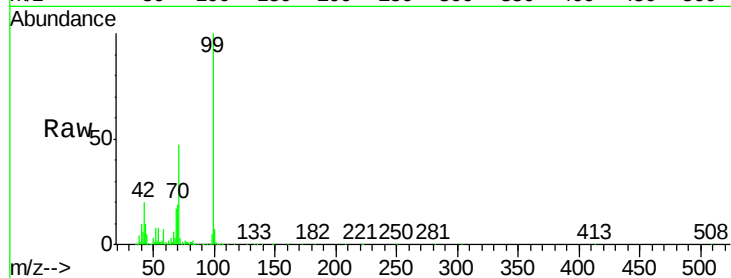
Tgt Ion: 99 Resp: 1102480

Ion Ratio Lower Upper

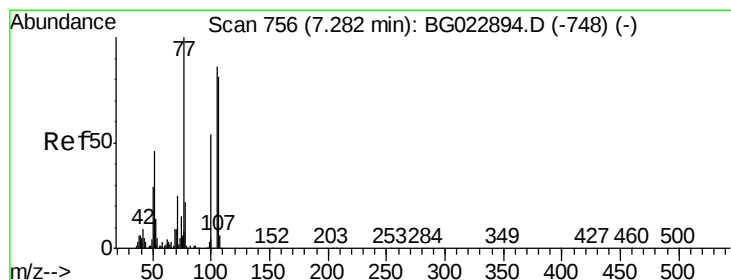
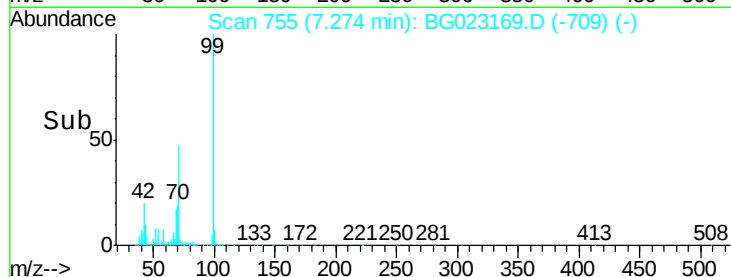
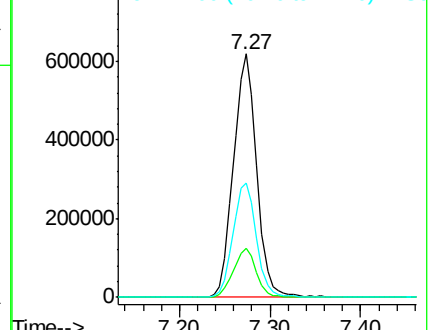
99 100

42 20.1 17.8 26.6

71 47.2 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



#9

Benzaldehyde

Concen: 2.11 ng

RT: 7.26 min Scan# 752

Delta R.T. -0.03 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

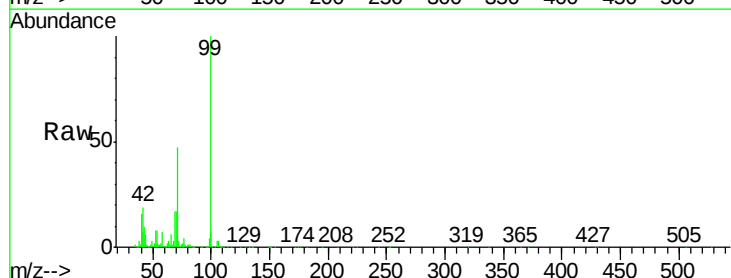
Tgt Ion: 77 Resp: 21995

Ion Ratio Lower Upper

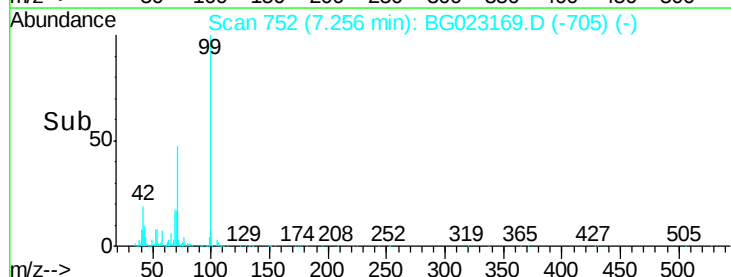
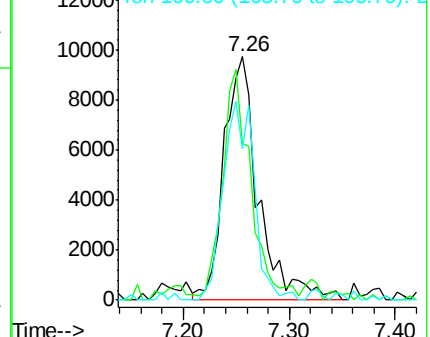
77 100

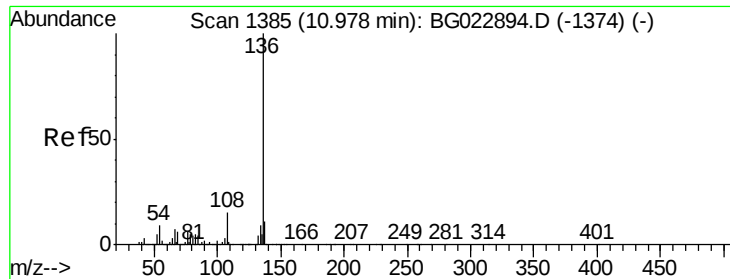
105 64.1 58.7 98.7

106 62.3 67.5 107.5#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

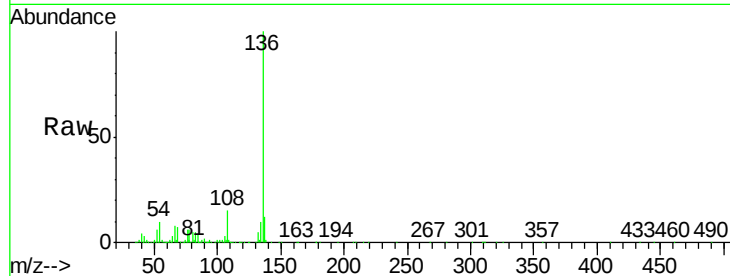




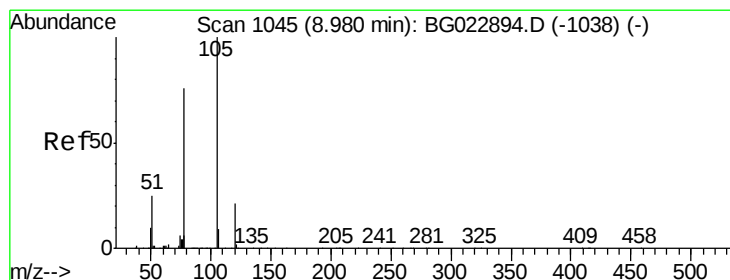
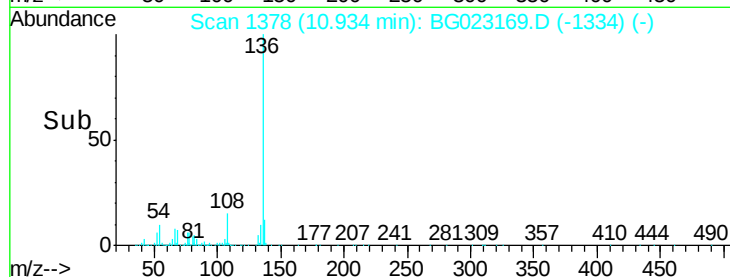
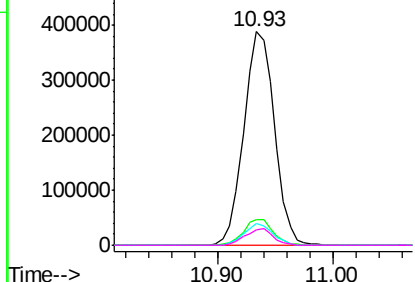
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 1378
Delta R.T. -0.04 min
Lab File: BG023169.D
Acq: 18 Jul 2016 21:57

Instrument :
BNA_G
ClientSampleId :
F9-B2(0-6)C

Tgt Ion:	136	Resp:	716602
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.6	14.4
54	10.0	7.3	10.9
68	7.5	5.3	7.9

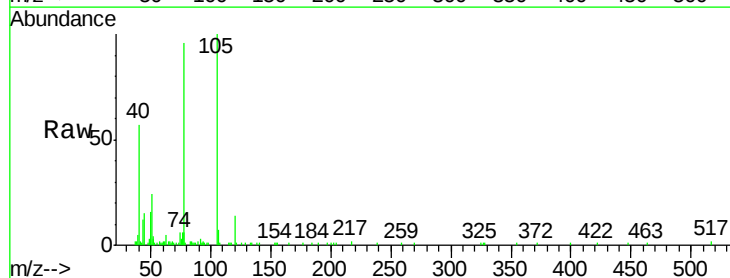


Abundance Ion 136.00 (135.70 to 136.70): E
600000
Ion 137.00 (136.70 to 137.70): E
500000
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

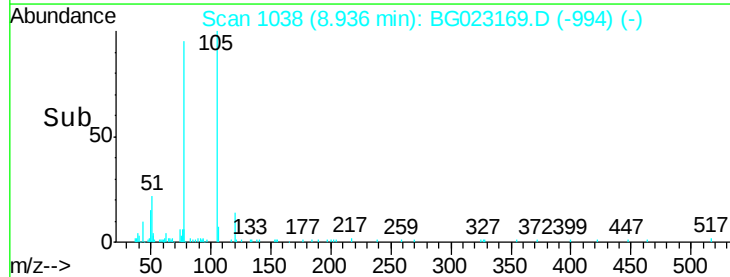
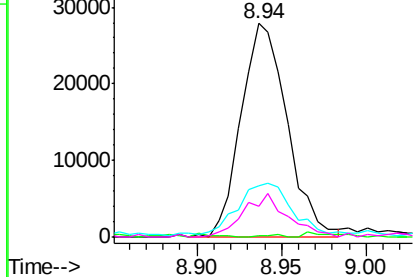


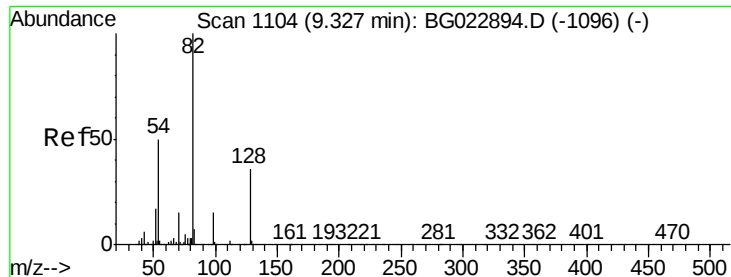
#22
Acetophenone
Concen: 2.46 ng
RT: 8.94 min Scan# 1038
Delta R.T. -0.04 min
Lab File: BG023169.D
Acq: 18 Jul 2016 21:57

Tgt Ion:	105	Resp:	53003
Ion	Ratio	Lower	Upper
105	100		
71	0.7	2.6	3.8#
51	23.7	27.1	40.7#
120	14.3	15.1	22.7#



Abundance Ion 105.00 (104.70 to 105.70): E
40000
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

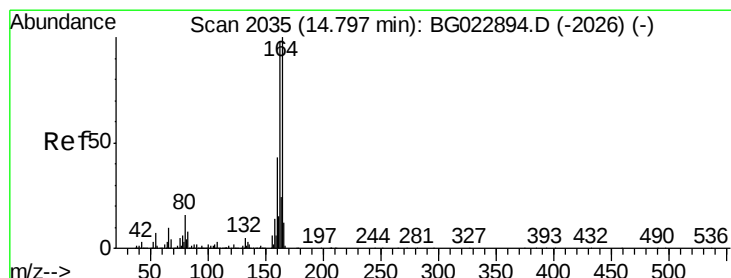
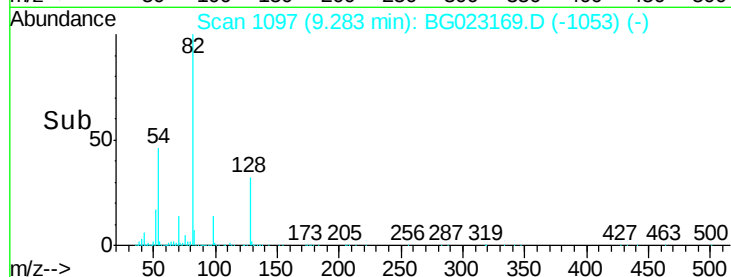
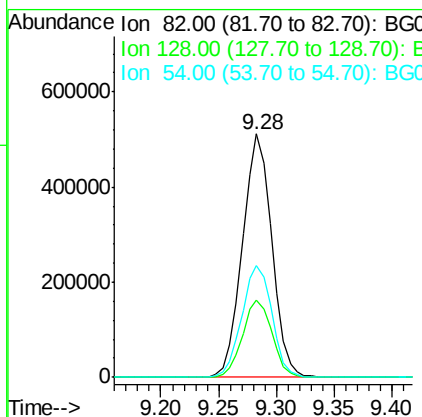
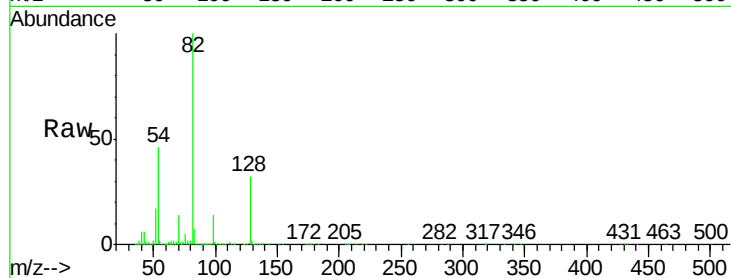




#23
Nitrobenzene-d5
Concen: 54.11 ng
RT: 9.28 min Scan# 1097
Delta R.T. -0.04 min
Lab File: BG023169.D
Acq: 18 Jul 2016 21:57

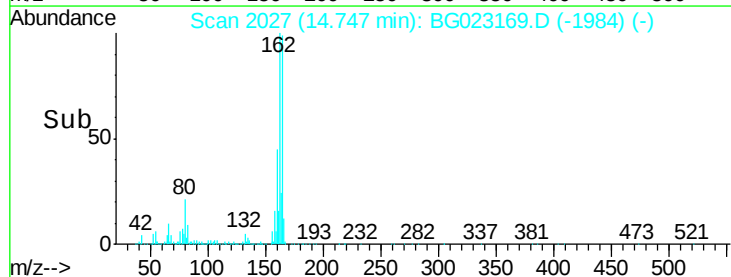
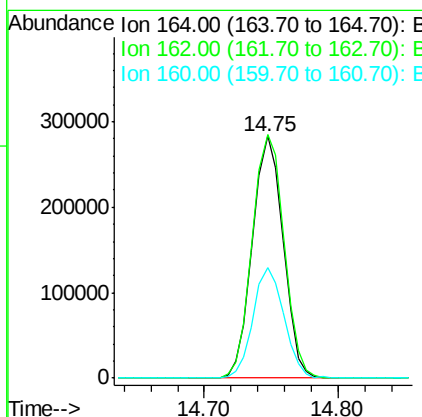
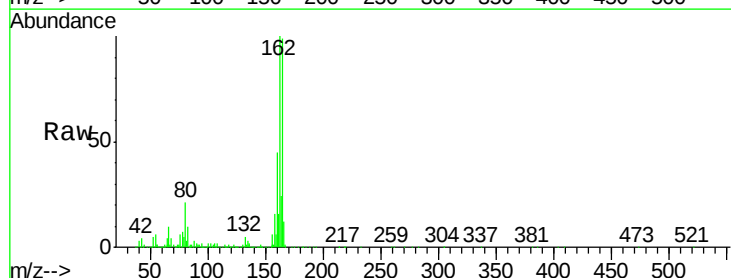
Instrument :
BNA_G
ClientSampleId :
F9-B2(0-6)C

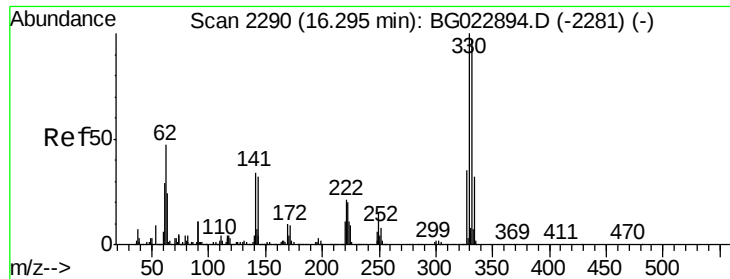
Tgt Ion	Ratio	Lower	Upper
82	100		
128	31.5	24.4	36.6
54	46.2	41.4	62.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2027
Delta R.T. -0.05 min
Lab File: BG023169.D
Acq: 18 Jul 2016 21:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	87.7	131.5
160	45.7	37.2	55.8

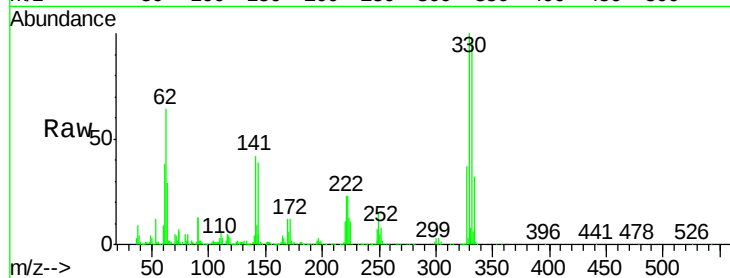




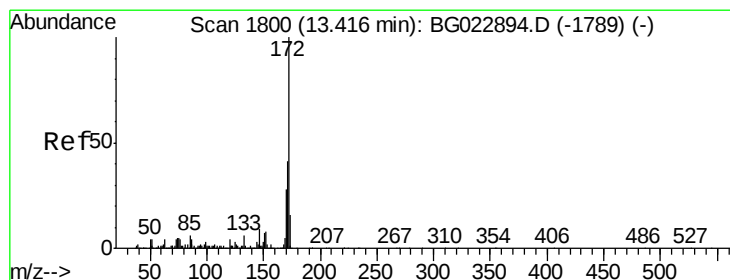
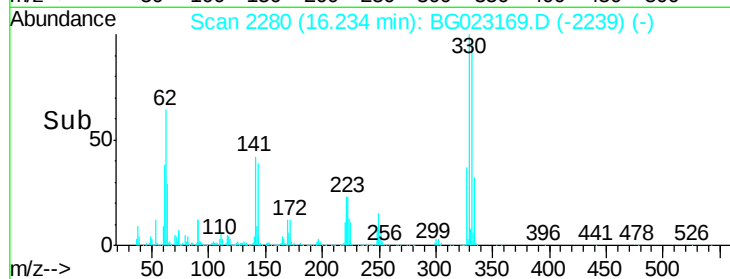
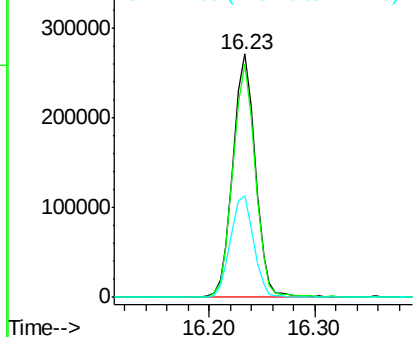
#41
 2,4,6-Tribromophenol
 Concen: 49.26 ng
 RT: 16.23 min Scan# 2280
 Delta R.T. -0.06 min
 Lab File: BG023169.D
 Acq: 18 Jul 2016 21:57

Instrument :
 BNA_G
 ClientSampleId :
 F9-B2(0-6)C

Tgt Ion:330 Resp: 397714
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.4 116.2
 141 43.2 31.7 47.5

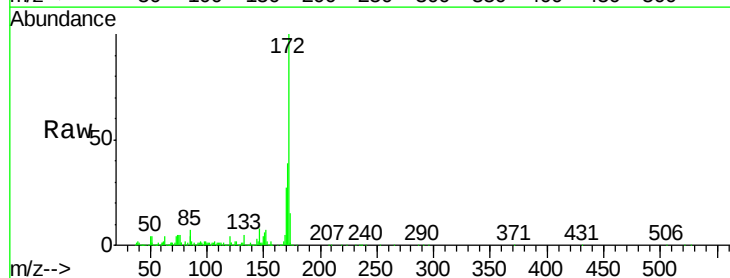


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

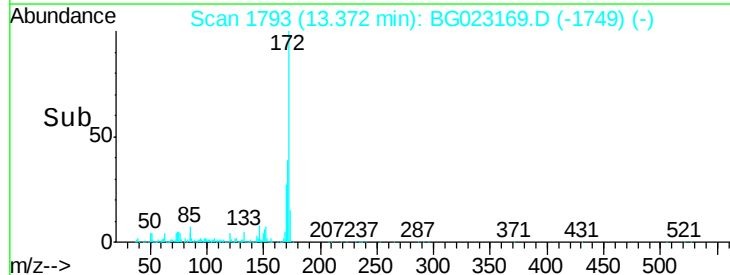
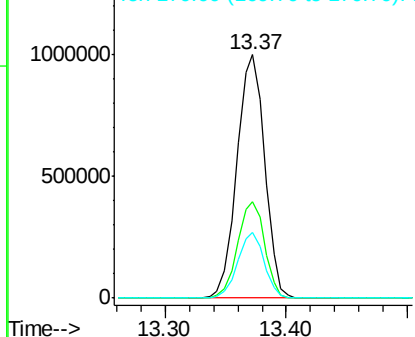


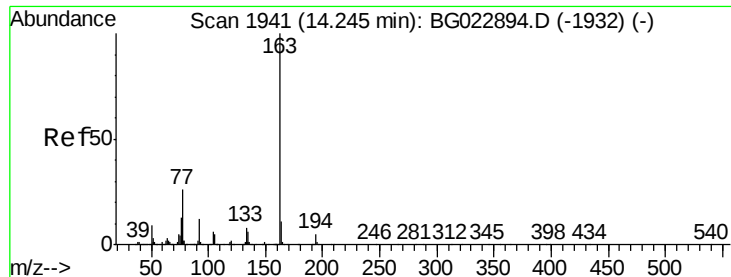
#44
 2-Fluorobiphenyl
 Concen: 56.18 ng
 RT: 13.37 min Scan# 1793
 Delta R.T. -0.04 min
 Lab File: BG023169.D
 Acq: 18 Jul 2016 21:57

Tgt Ion:172 Resp: 1602346
 Ion Ratio Lower Upper
 172 100
 171 39.5 31.6 47.4
 170 26.9 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: 7.98 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.06 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

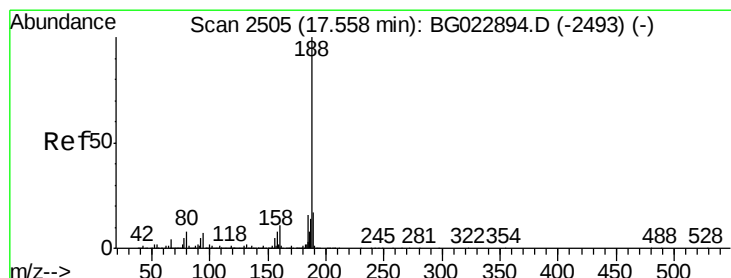
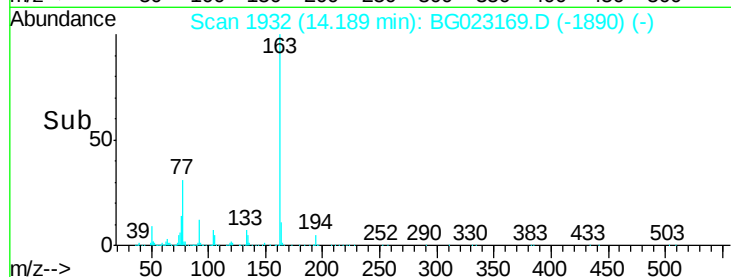
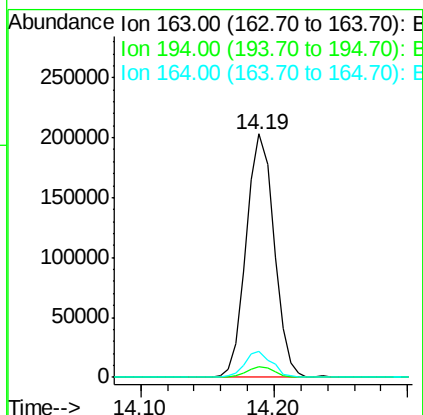
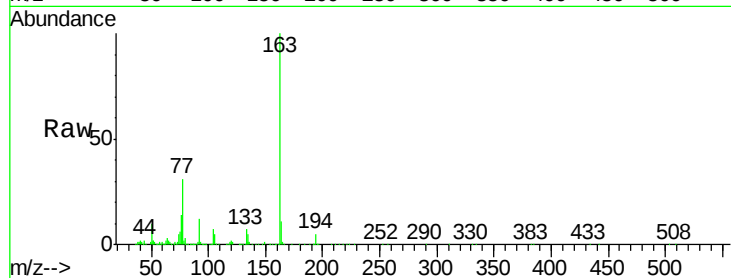
Instrument :

BNA_G

ClientSampled :

F9-B2(0-6)C

Tgt Ion:	163	Resp:	292816
Ion Ratio		Lower	Upper
163	100		
194	4.5	3.6	5.4
164	10.8	8.1	12.1



#63

Phenanthrene-d10

Concen: 20.00 ng

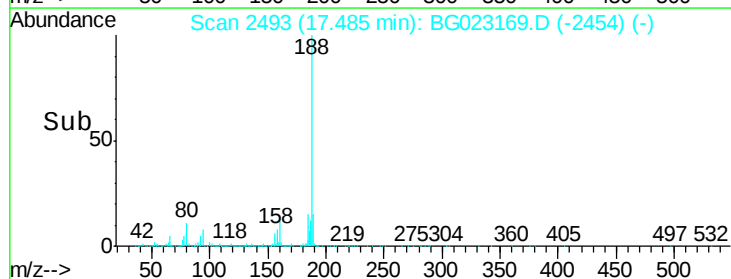
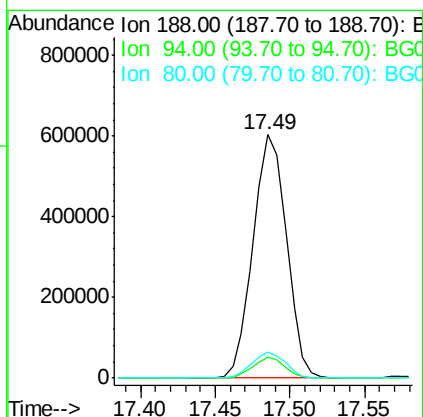
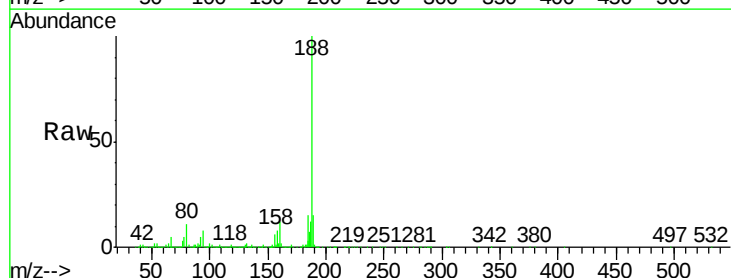
RT: 17.49 min Scan# 2493

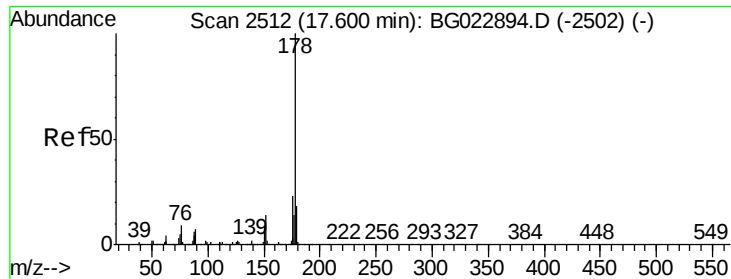
Delta R.T. -0.07 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

Tgt Ion:	188	Resp:	934182
Ion Ratio		Lower	Upper
188	100		
94	8.4	5.2	7.8#
80	10.8	7.2	10.8





#70

Phenanthrene

Concen: 3.54 ng

RT: 17.53 min Scan# 2500

Delta R.T. -0.07 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

Instrument :

BNA_G

ClientSampleId :

F9-B2(0-6)C

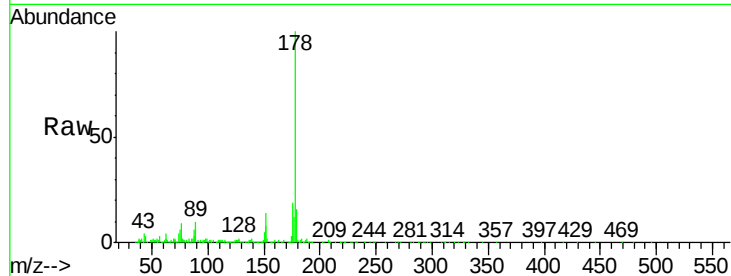
Tgt Ion:178 Resp: 162172

Ion Ratio Lower Upper

178 100

176 18.8 16.8 25.2

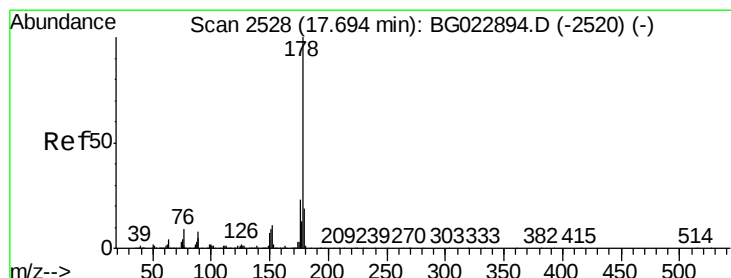
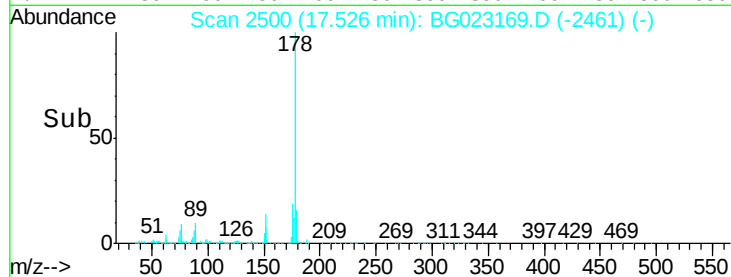
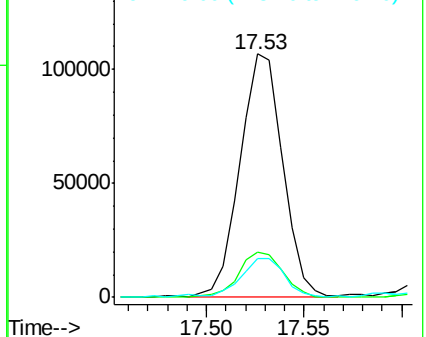
179 16.0 14.3 21.5



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: 3.50 ng

RT: 17.53 min Scan# 2500

Delta R.T. -0.17 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

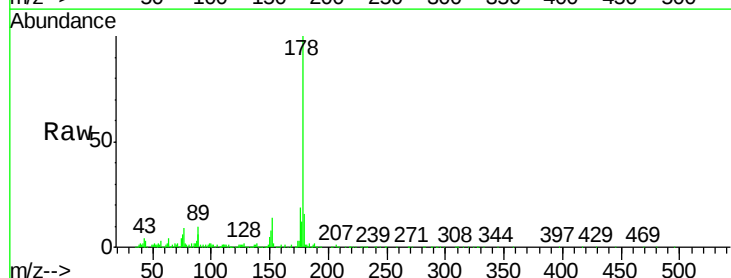
Tgt Ion:178 Resp: 162172

Ion Ratio Lower Upper

178 100

176 18.8 17.3 25.9

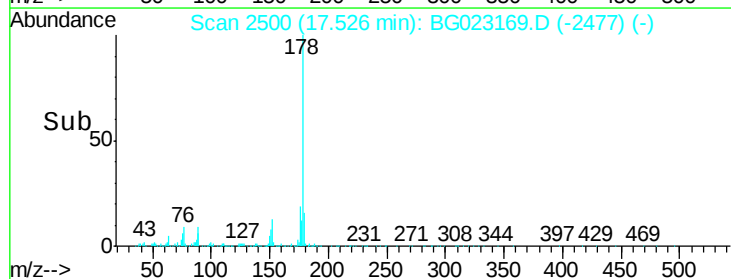
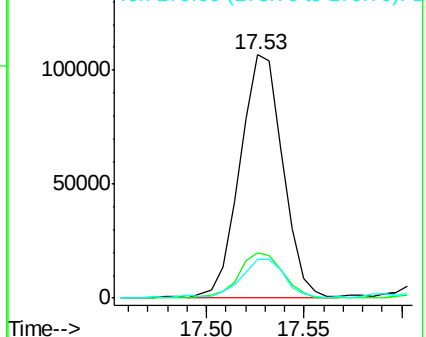
179 16.0 14.0 21.0

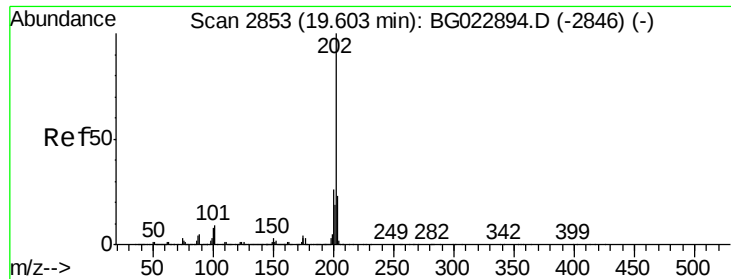


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.40 ng

RT: 19.52 min Scan# 2840

Delta R.T. -0.08 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

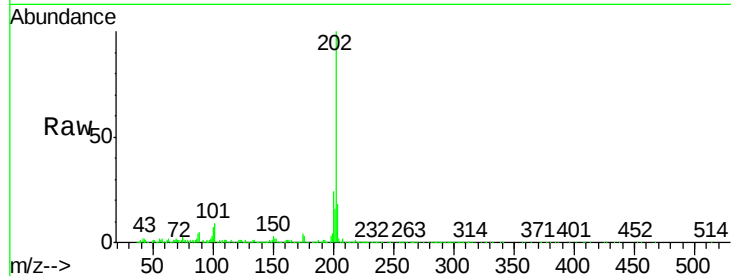
Instrument :

BNA_G

ClientSampleId :

F9-B2(0-6)C

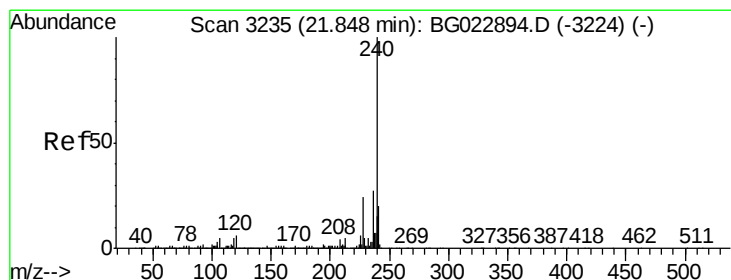
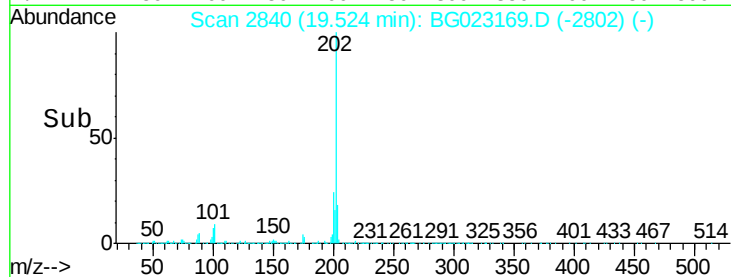
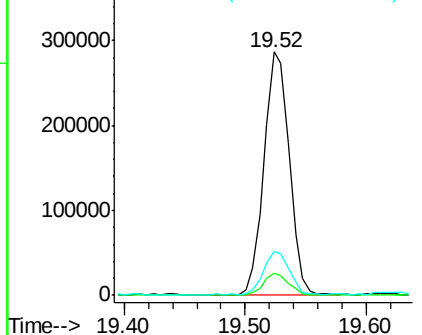
Tgt Ion:	202	Resp:	415929
Ion Ratio	Lower	Upper	
202	100		
101	9.2	0.0	27.4
203	18.1	1.7	41.7



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

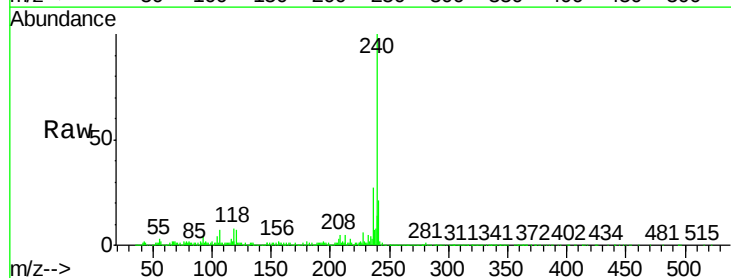
RT: 21.75 min Scan# 3219

Delta R.T. -0.10 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

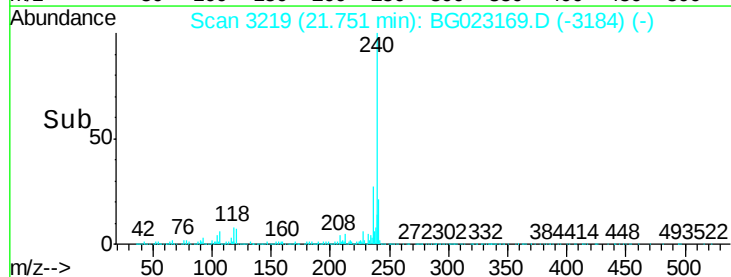
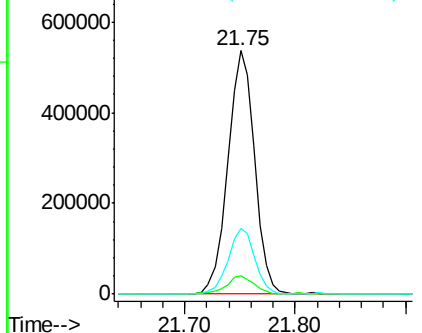
Tgt Ion:	240	Resp:	903114
Ion Ratio	Lower	Upper	
240	100		
120	7.4	4.1	6.1#
236	26.7	21.1	31.7

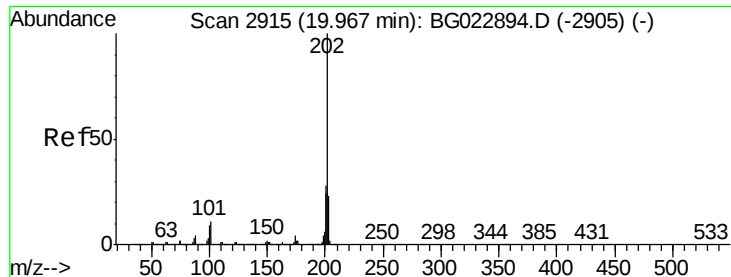


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

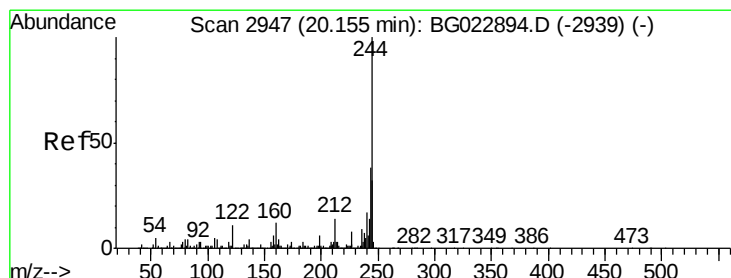
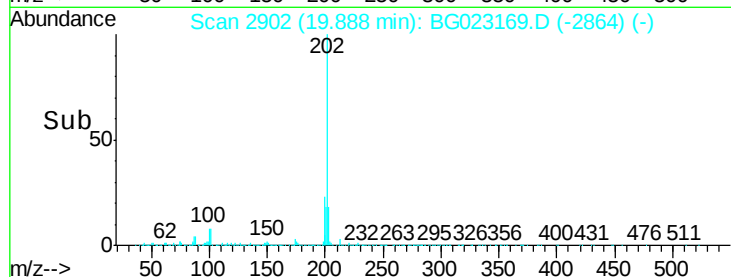
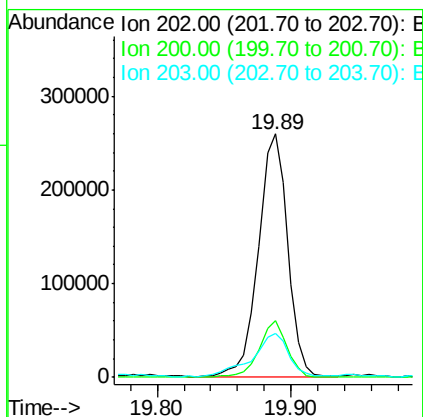
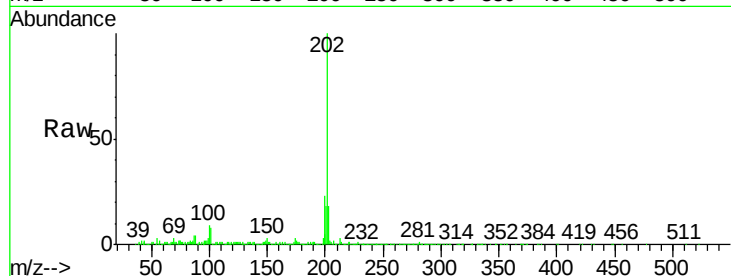




#77
 Pyrene
 Concen: 7.71 ng
 RT: 19.89 min Scan# 2902
 Delta R.T. -0.08 min
 Lab File: BG023169.D
 Acq: 18 Jul 2016 21:57

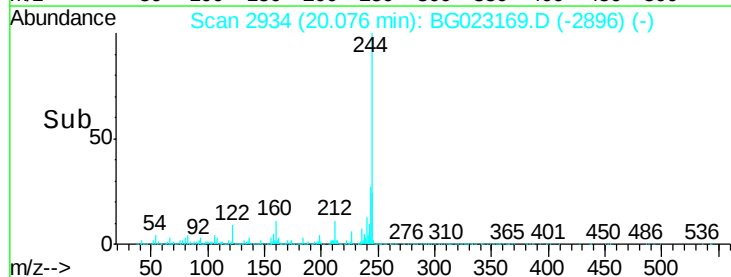
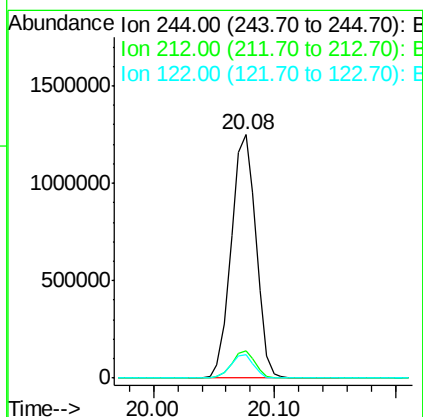
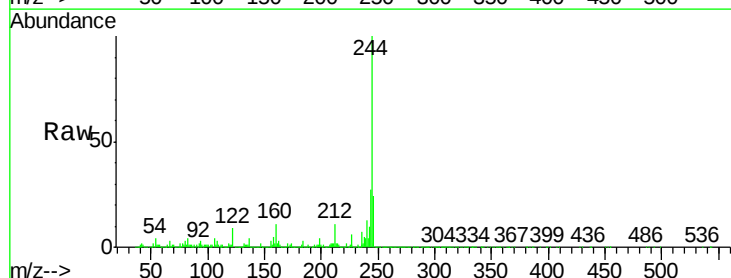
Instrument :
 BNA_G
 ClientSampleId :
 F9-B2(0-6)C

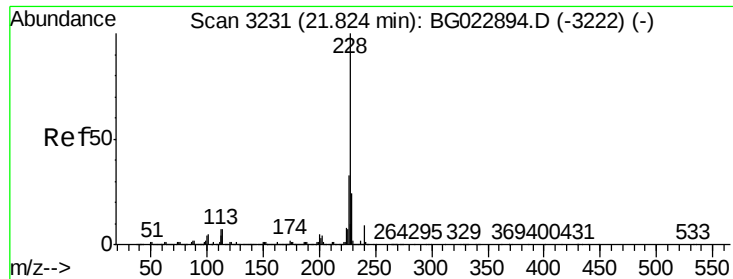
Tgt Ion:	202	Resp:	391452
Ion	Ratio	Lower	Upper
202	100		
200	23.3	21.2	31.8
203	18.3	16.8	25.2



#78
 Terphenyl-d14
 Concen: 54.35 ng
 RT: 20.08 min Scan# 2934
 Delta R.T. -0.08 min
 Lab File: BG023169.D
 Acq: 18 Jul 2016 21:57

Tgt Ion:	244	Resp:	1784869
Ion	Ratio	Lower	Upper
244	100		
212	11.3	10.8	16.2
122	9.5	8.0	12.0





#80

Benzo(a)anthracene

Concen: 4.71 ng

RT: 21.80 min Scan# 3227

Delta R.T. -0.03 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

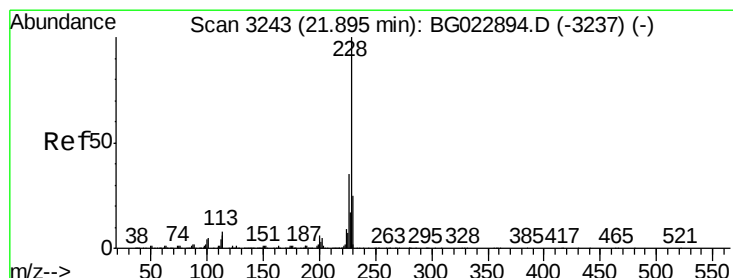
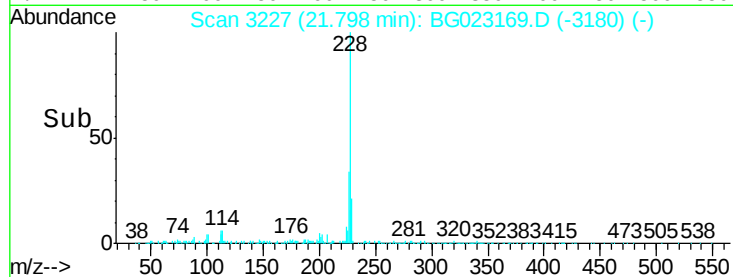
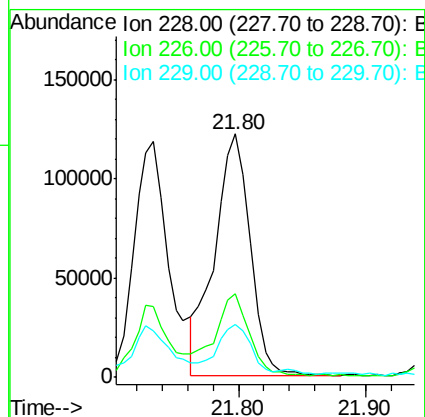
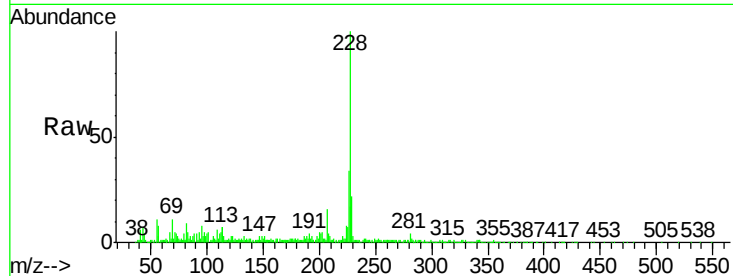
Instrument :

BNA_G

ClientSampleId :

F9-B2(0-6)C

Tgt Ion:	228	Resp:	238230
Ion	Ratio	Lower	Upper
228	100		
226	34.3	25.3	37.9
229	21.6	19.9	29.9



#82

Chrysene

Concen: 5.03 ng

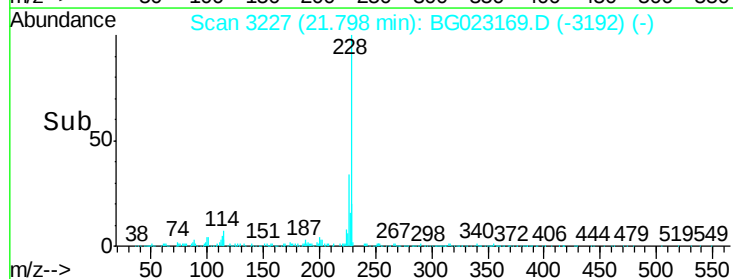
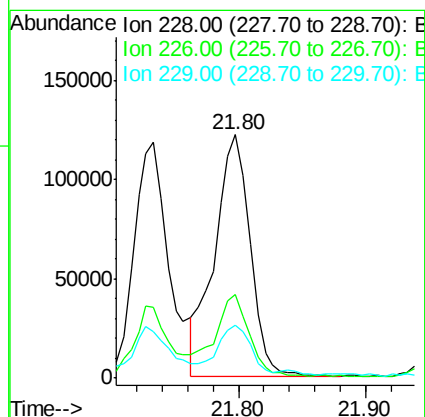
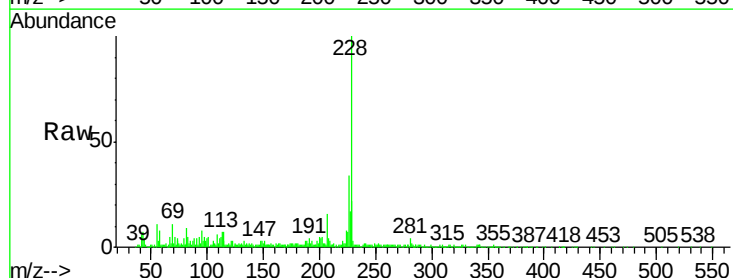
RT: 21.80 min Scan# 3227

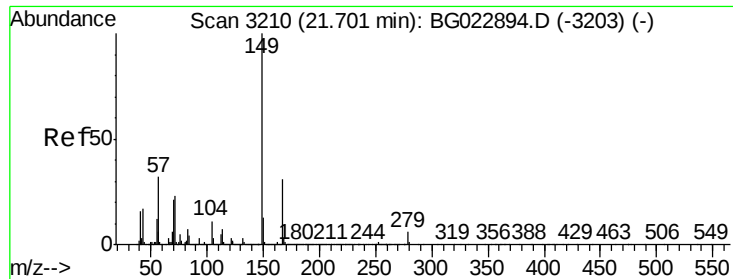
Delta R.T. -0.10 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

Tgt Ion:	228	Resp:	238230
Ion	Ratio	Lower	Upper
228	100		
226	34.3	26.7	40.1
229	21.6	17.4	26.2

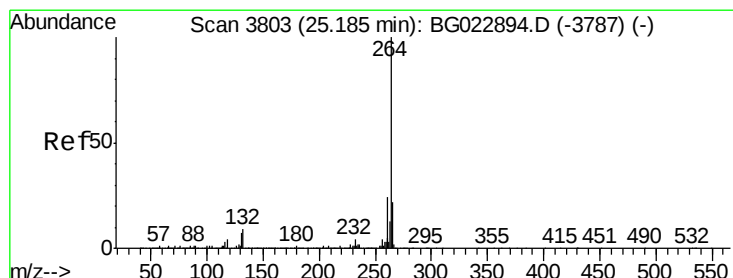
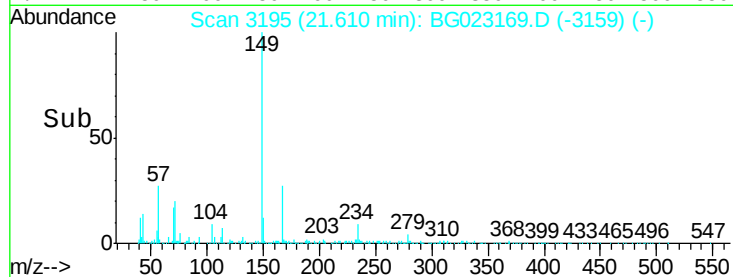
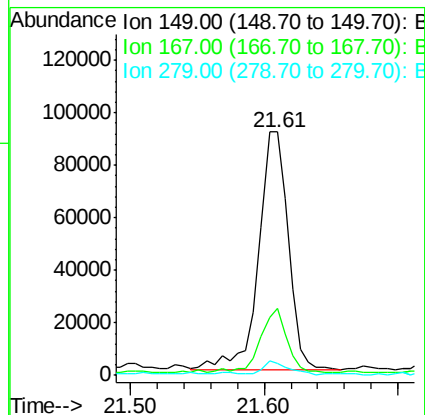
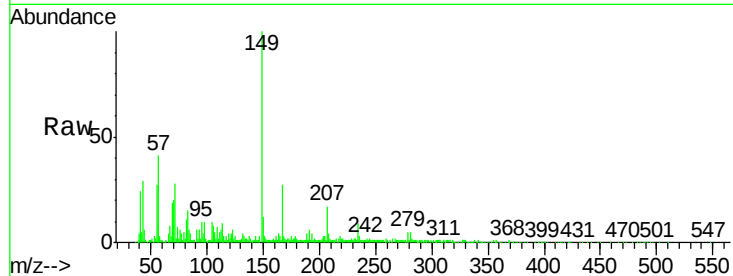




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.92 ng
 RT: 21.61 min Scan# 3195
 Delta R.T. -0.09 min
 Lab File: BG023169.D
 Acq: 18 Jul 2016 21:57

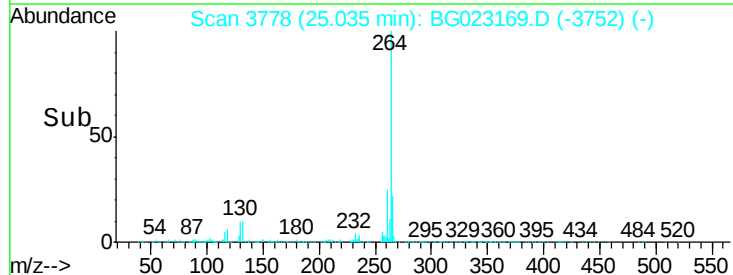
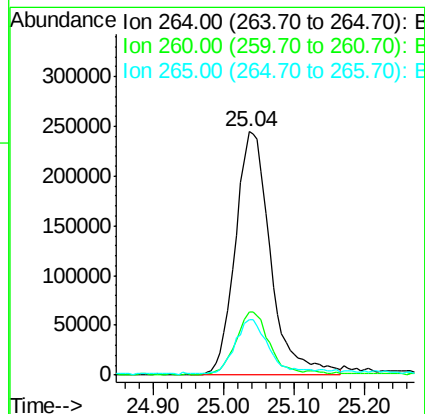
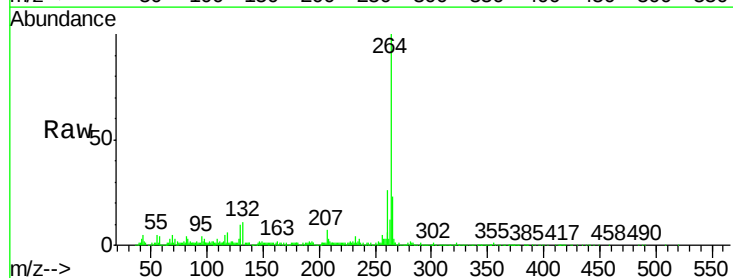
Instrument :
 BNA_G
 ClientSampleId :
 F9-B2(0-6)C

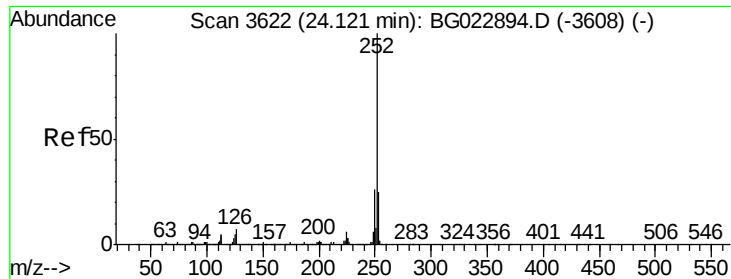
Tgt Ion:149 Resp: 137417
 Ion Ratio Lower Upper
 149 100
 167 27.4 24.0 36.0
 279 4.7 4.8 7.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.04 min Scan# 3778
 Delta R.T. -0.15 min
 Lab File: BG023169.D
 Acq: 18 Jul 2016 21:57

Tgt Ion:264 Resp: 845442
 Ion Ratio Lower Upper
 264 100
 260 25.9 18.4 27.6
 265 22.8 18.9 28.3

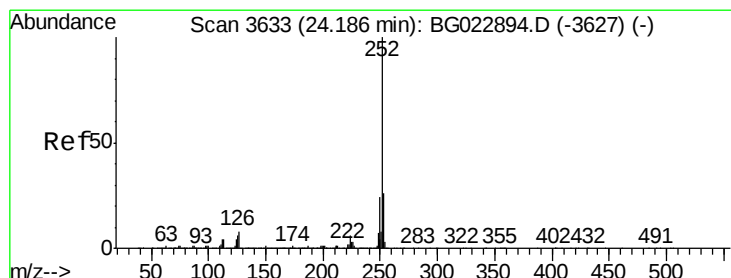
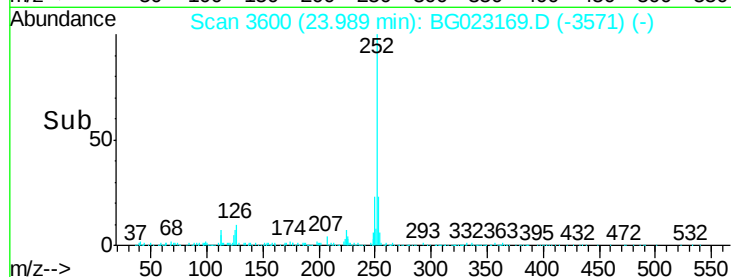
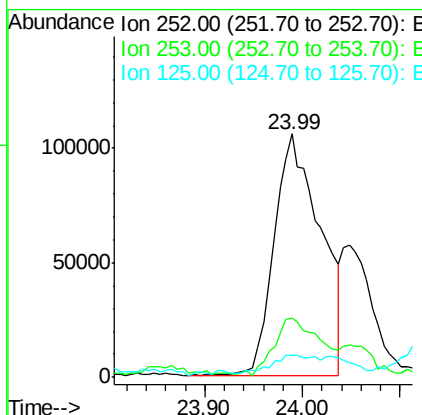
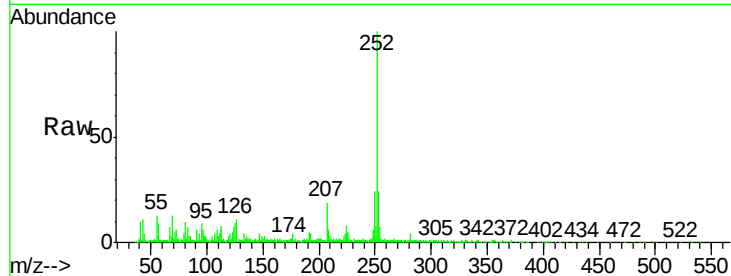




#87
Benzo(b)fluoranthene
Concen: 7.17 ng
RT: 23.99 min Scan# 3600
Delta R.T. -0.13 min
Lab File: BG023169.D
Acq: 18 Jul 2016 21:57

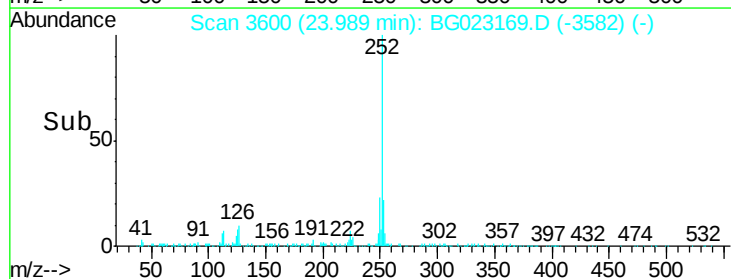
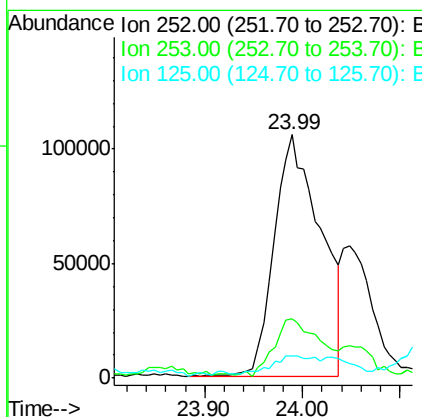
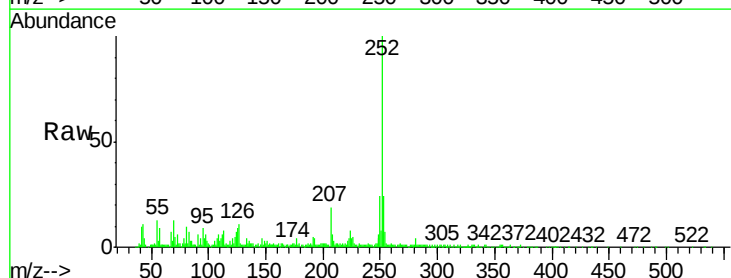
Instrument :
BNA_G
ClientSampleId :
F9-B2(0-6)C

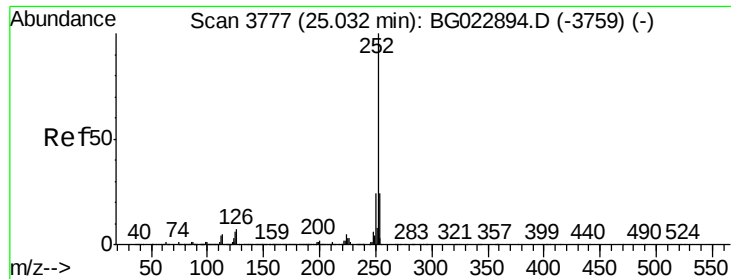
Tgt Ion:	252	Resp:	349563
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.9	28.3
125	9.2	3.9	5.9#



#88
Benzo(k)fluoranthene
Concen: 7.55 ng
RT: 23.99 min Scan# 3600
Delta R.T. -0.20 min
Lab File: BG023169.D
Acq: 18 Jul 2016 21:57

Tgt Ion:	252	Resp:	349563
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.8	28.2
125	9.2	3.2	4.8#





#89

Benzo(a)pyrene

Concen: 4.34 ng

RT: 24.88 min Scan# 3752

Delta R.T. -0.15 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

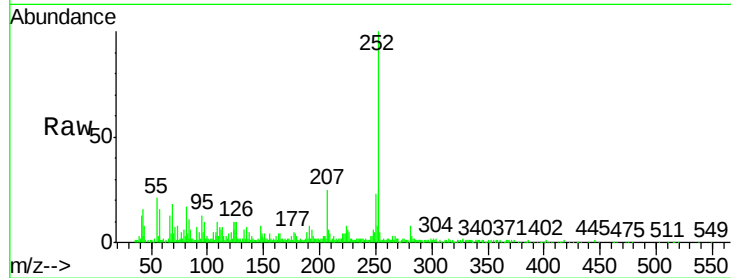
Instrument :

BNA_G

ClientSampleId :

F9-B2(0-6)C

Tgt Ion:	252	Resp:	203035
Ion Ratio	Lower	Upper	
252	100		
253	25.2	18.7	28.1
125	9.5	3.9	5.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

