

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
 Data File : BG018038.D
 Acq On : 22 Jul 2015 1:56
 Operator : TP/UM
 Sample : G3031-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-3-(2-4)

Quant Time: Jul 22 05:11:42 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 22 04:14:54 2015
 Response via : Initial Calibration

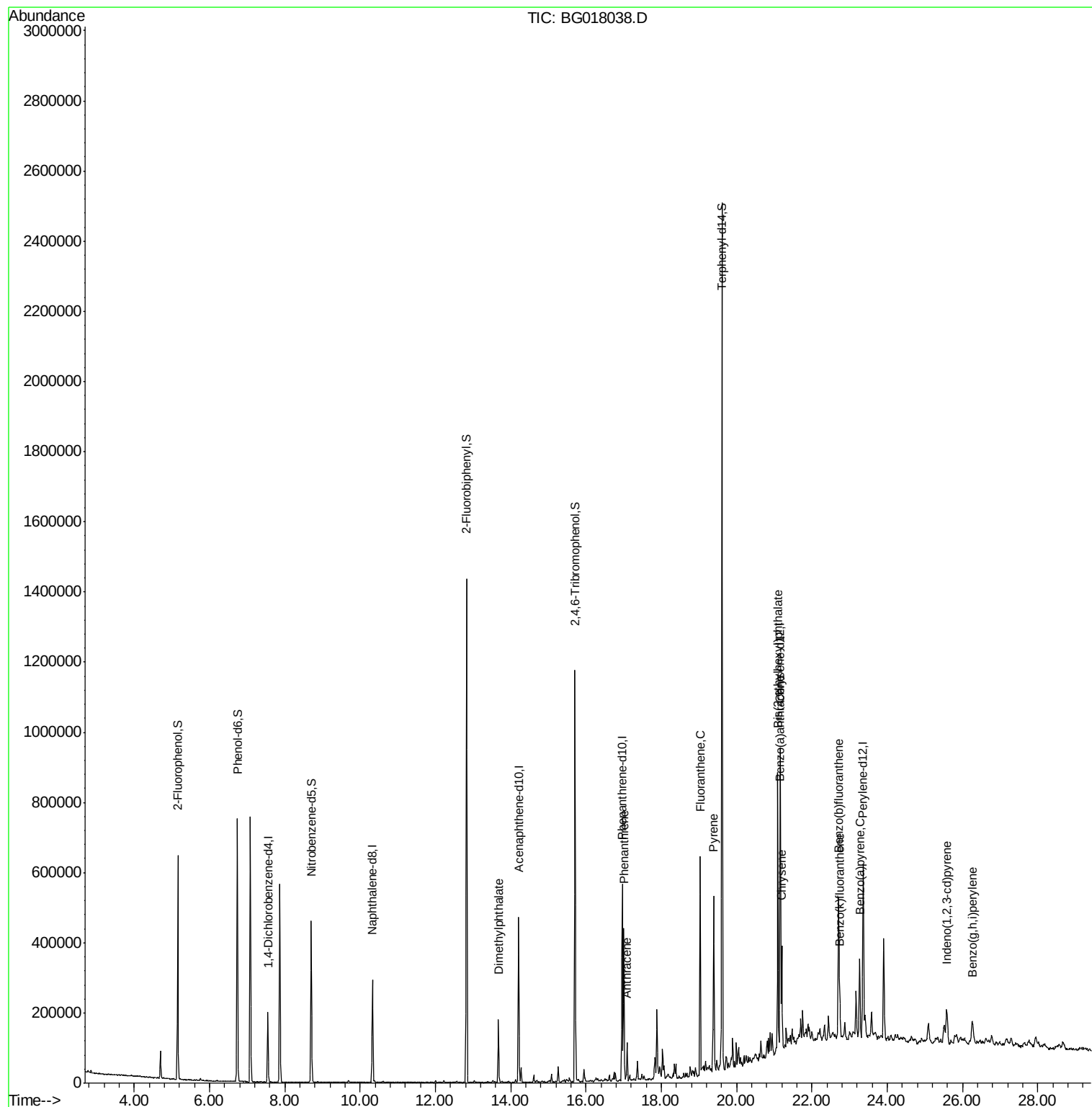
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	54782	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	254559	20.00	ng	0.00
38) Acenaphthene-d10	14.21	164	159698	20.00	ng	0.00
63) Phenanthrene-d10	16.96	188	335754	20.00	ng	0.00
75) Chrysene-d12	21.17	240	356530	20.00	ng	0.00
86) Perylene-d12	23.36	264	356823	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	291349	92.78	ng	0.00
7) Phenol-d6	6.74	99	446394	108.50	ng	0.00
23) Nitrobenzene-d5	8.70	82	262303	66.74	ng	0.00
41) 2,4,6-Tribromophenol	15.71	330	209652	129.58	ng	0.00
44) 2-Fluorobiphenyl	12.83	172	750345	81.42	ng	0.00
78) Terphenyl-d14	19.61	244	1050223	74.20	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	13.67	163	118998	10.73	ng	99
70) Phenanthrene	17.01	178	249633	14.41	ng	98
71) Anthracene	17.09	178	67701	4.02	ng	97
74) Fluoranthene	19.03	202	346648	18.28	ng	96
77) Pyrene	19.40	202	282636	14.21	ng	96
80) Benzo(a)anthracene	21.15	228	171726	9.12	ng	98
82) Chrysene	21.20	228	149634	8.34	ng	96
83) Bis(2-ethylhexyl)phthalate	21.10	149	283118	23.09	ng	98
85) Indeno(1,2,3-cd)pyrene	25.58	276	88151	4.06	ng	# 93
87) Benzo(b)fluoranthene	22.71	252	205688m	10.54	ng	
88) Benzo(k)fluoranthene	22.74	252	64777m	3.32	ng	
89) Benzo(a)pyrene	23.27	252	137902	7.58	ng	97
91) Benzo(g,h,i)perylene	26.26	276	82159	4.52	ng	98

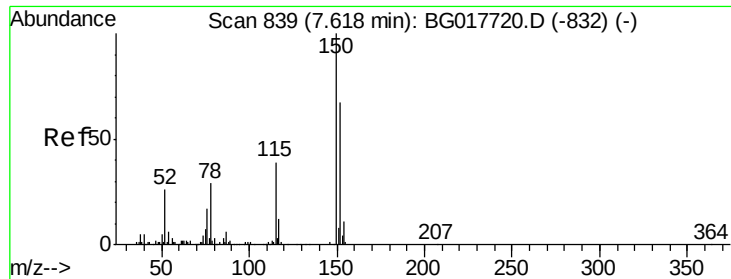
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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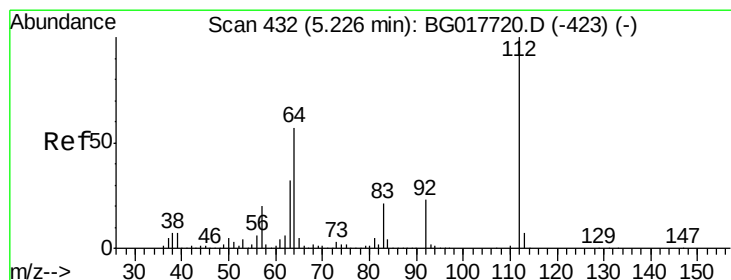
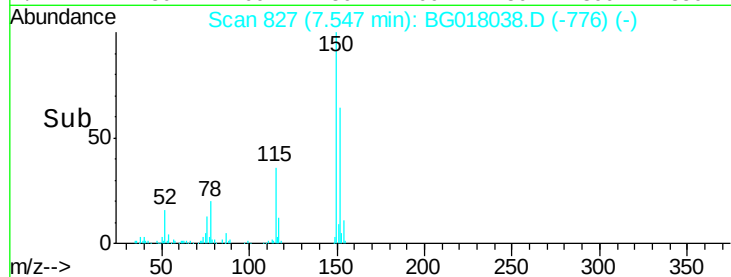
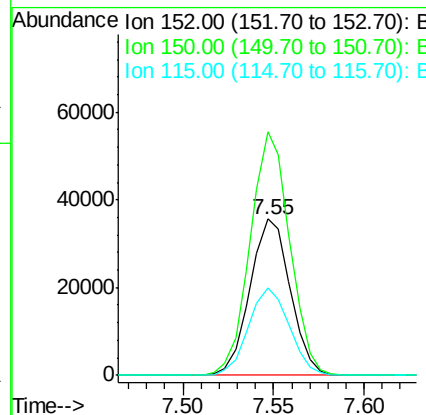
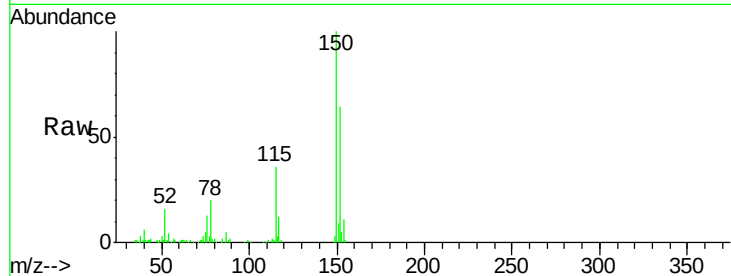


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.55 min Scan# 827
Delta R.T. 0.00 min
Lab File: BG018038.D
Acq: 22 Jul 2015 1:56

Instrument :
BNA_G
ClientSampleId :
SB-3-(2-4)

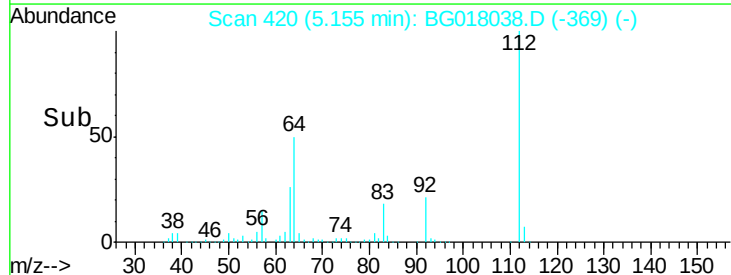
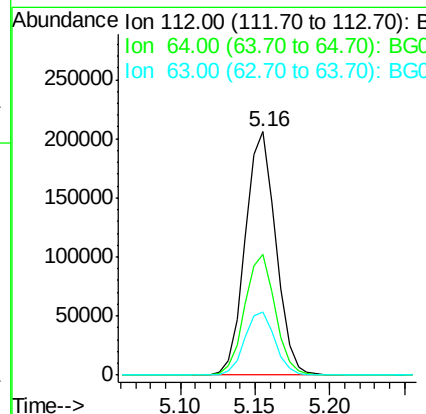
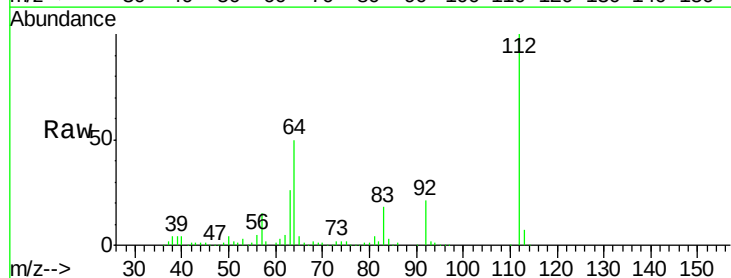
Tgt Ion:152 Resp: 54782
Ion Ratio Lower Upper
152 100
150 156.1 119.1 178.7
115 56.2 47.0 70.4

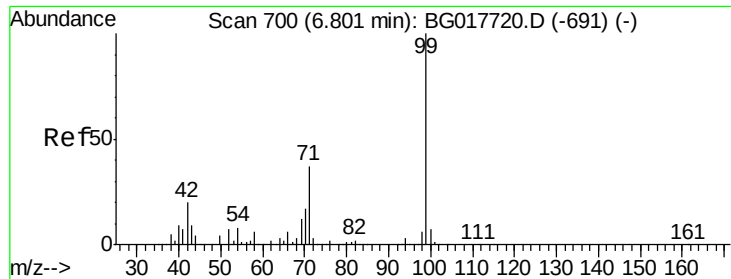


#5

2-Fluorophenol
Concen: 92.78 ng
RT: 5.16 min Scan# 420
Delta R.T. 0.00 min
Lab File: BG018038.D
Acq: 22 Jul 2015 1:56

Tgt Ion:112 Resp: 291349
Ion Ratio Lower Upper
112 100
64 49.5 45.4 68.0
63 26.1 25.3 37.9





#7

Phenol-d6

Concen: 108.50 ng

RT: 6.74 min Scan# 689

Delta R.T. 0.00 min

Lab File: BG018038.D

Acq: 22 Jul 2015 1:56

Instrument :

BNA_G

ClientSampleId :

SB-3-(2-4)

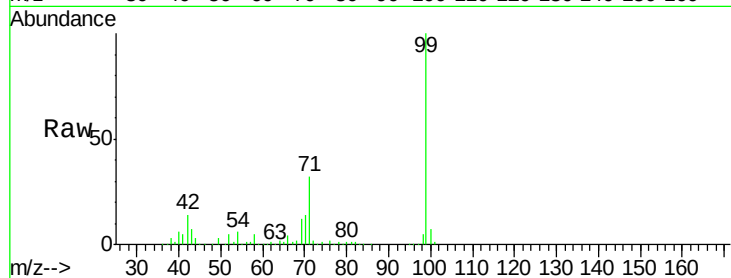
Tgt Ion: 99 Resp: 446394

Ion Ratio Lower Upper

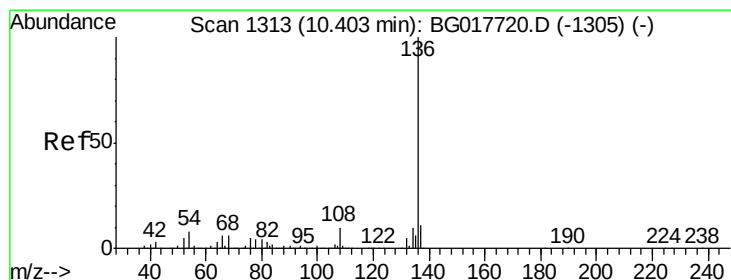
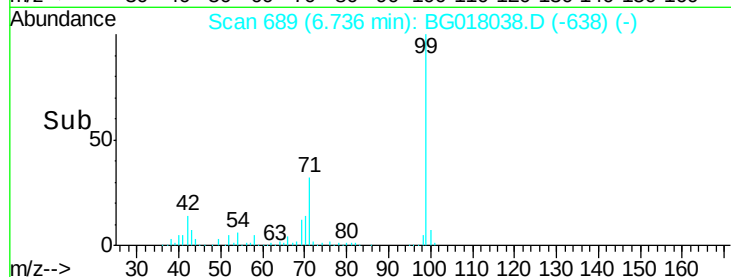
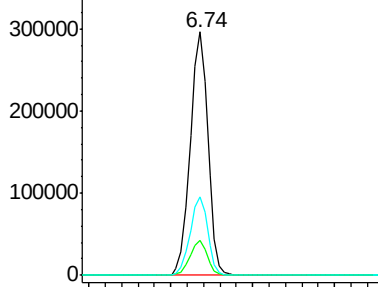
99 100

42 14.2 16.2 24.4#

71 32.2 29.5 44.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.33 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BG018038.D

Acq: 22 Jul 2015 1:56

Tgt Ion: 136 Resp: 254559

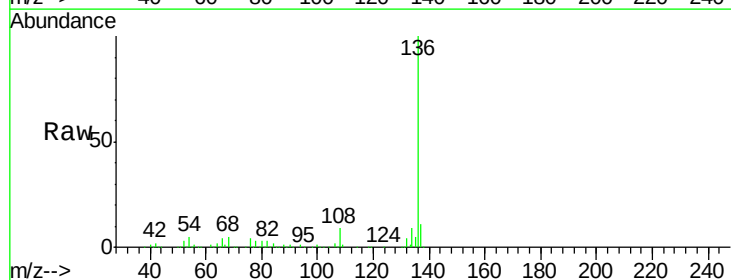
Ion Ratio Lower Upper

136 100

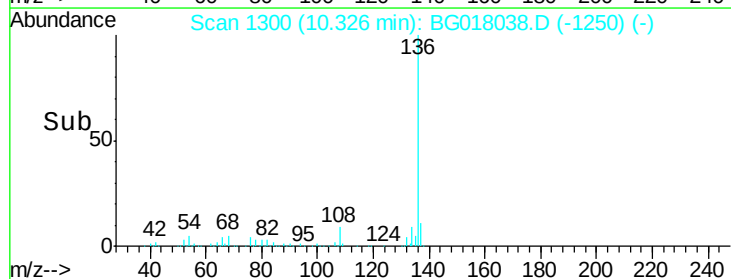
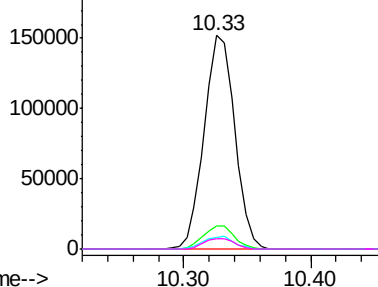
137 10.6 8.8 13.2

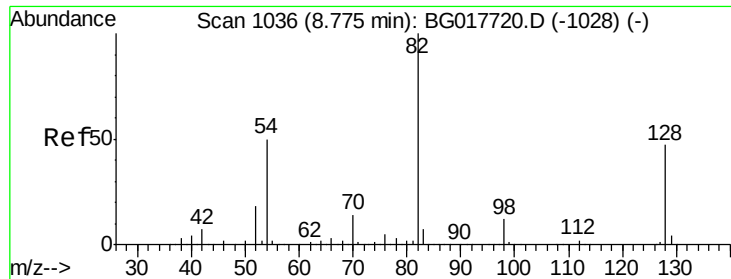
54 5.1 6.6 9.8#

68 5.0 5.1 7.7#



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

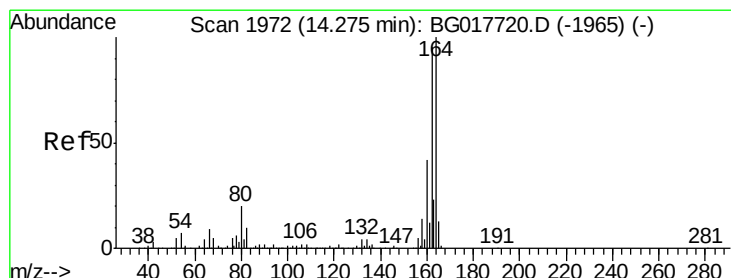
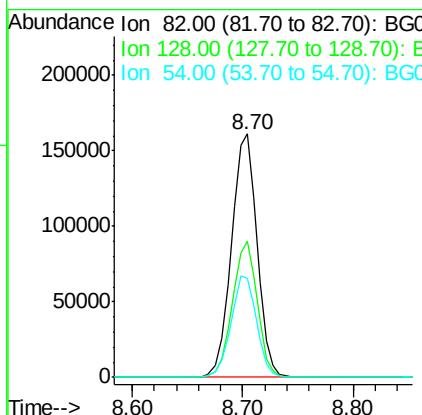
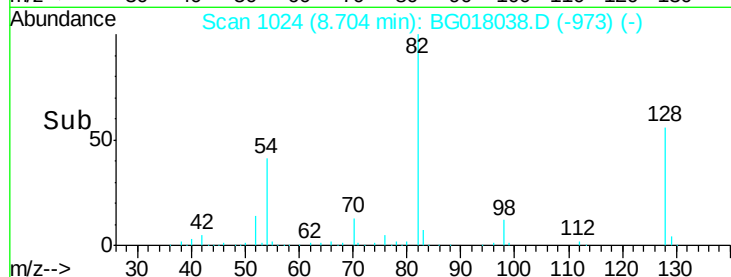
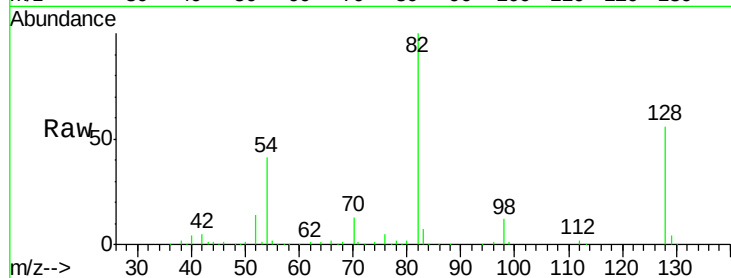




#23
 Nitrobenzene-d5
 Concen: 66.74 ng
 RT: 8.70 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BG018038.D
 Acq: 22 Jul 2015 1:56

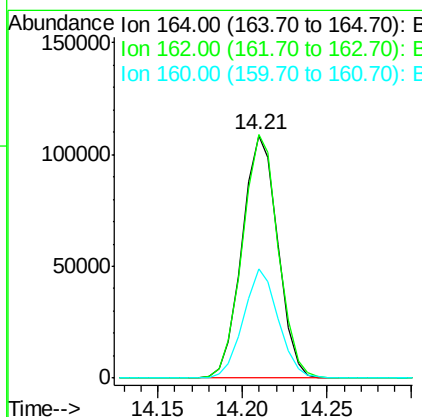
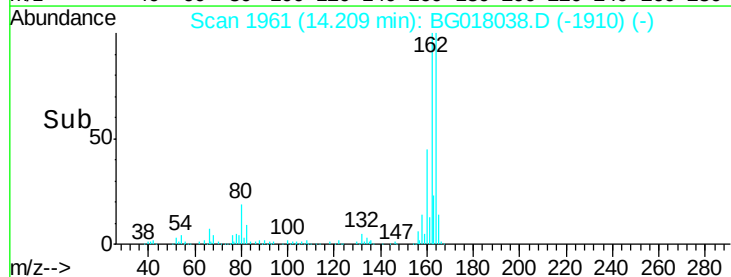
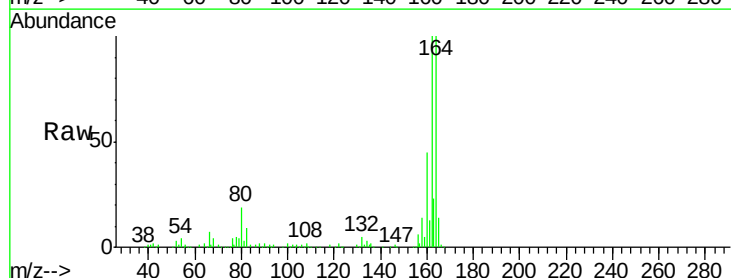
Instrument :
 BNA_G
 ClientSampleId :
 SB-3-(2-4)

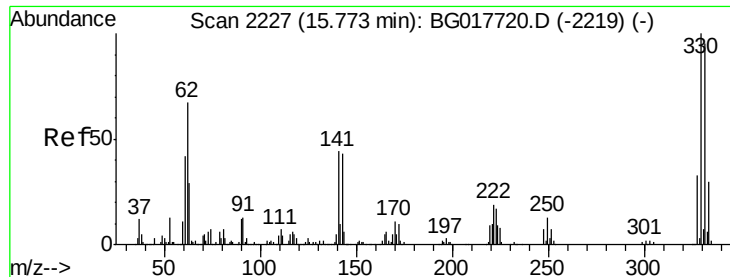
Tgt Ion: 82 Resp: 262303
 Ion Ratio Lower Upper
 82 100
 128 56.0 37.8 56.6
 54 40.5 39.9 59.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.21 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: BG018038.D
 Acq: 22 Jul 2015 1:56

Tgt Ion: 164 Resp: 159698
 Ion Ratio Lower Upper
 164 100
 162 100.3 76.3 114.5
 160 45.2 33.7 50.5

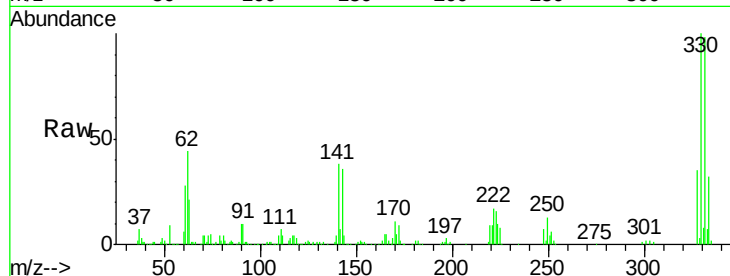




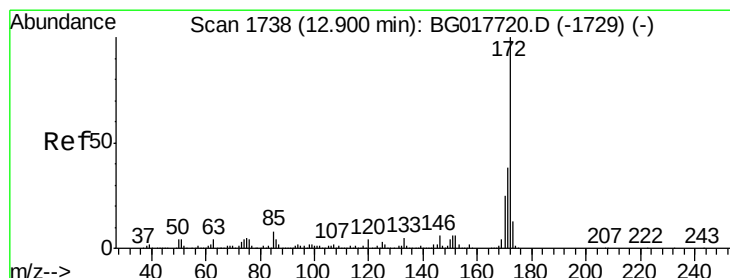
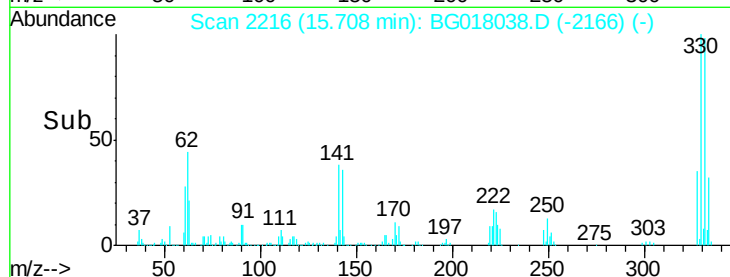
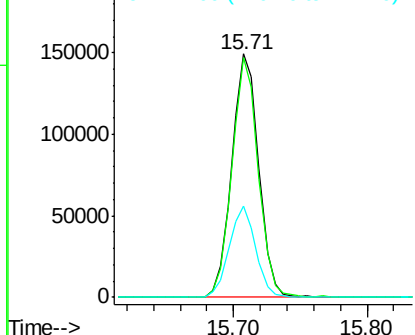
#41
 2,4,6-Tribromophenol
 Concen: 129.58 ng
 RT: 15.71 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BG018038.D
 Acq: 22 Jul 2015 1:56

Instrument :
 BNA_G
 ClientSampleId :
 SB-3-(2-4)

Tgt Ion:330 Resp: 209652
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.8 115.2
 141 37.2 38.0 57.0#

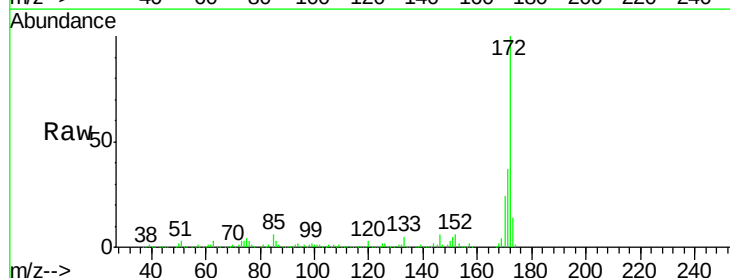


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

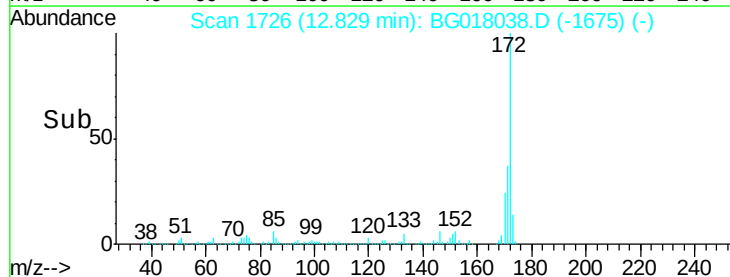
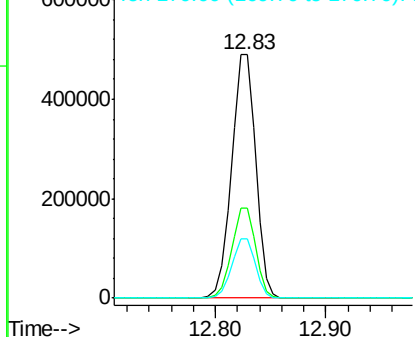


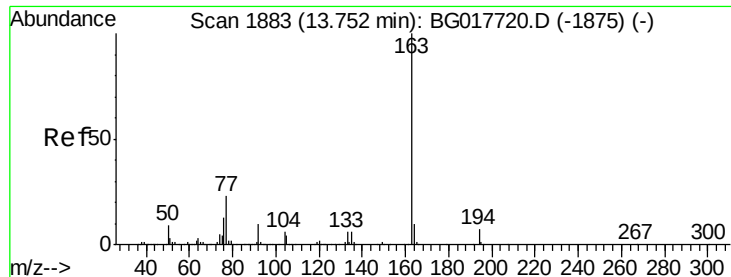
#44
 2-Fluorobiphenyl
 Concen: 81.42 ng
 RT: 12.83 min Scan# 1726
 Delta R.T. 0.00 min
 Lab File: BG018038.D
 Acq: 22 Jul 2015 1:56

Tgt Ion:172 Resp: 750345
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.7 46.1
 170 24.3 19.7 29.5



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

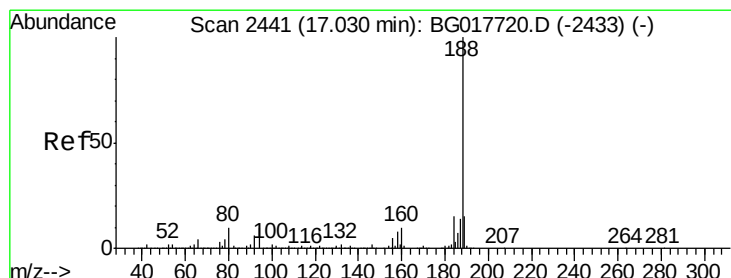
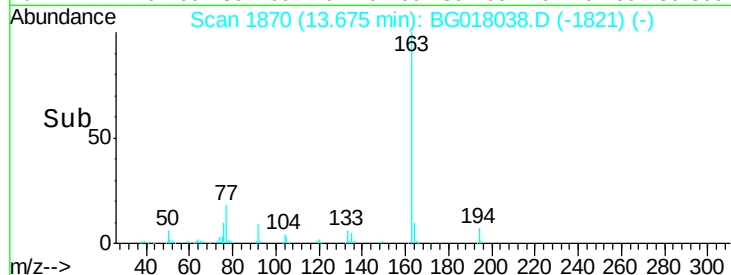
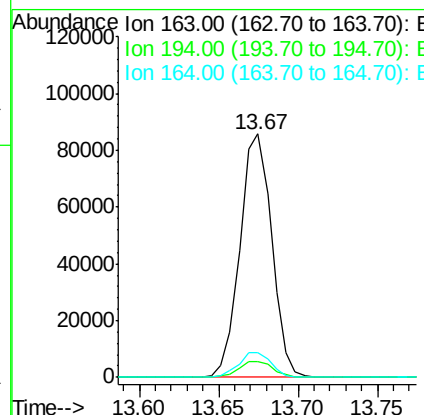
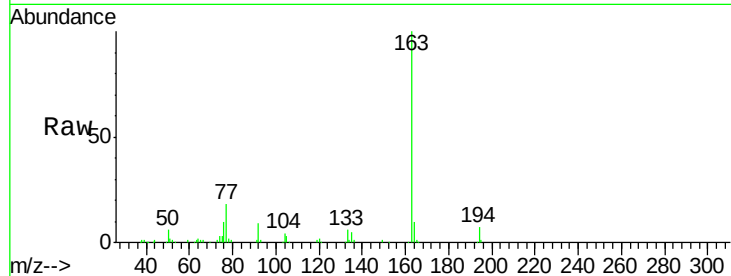




#49
Dimethylphthalate
Concen: 10.73 ng
RT: 13.67 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BG018038.D
Acq: 22 Jul 2015 1:56

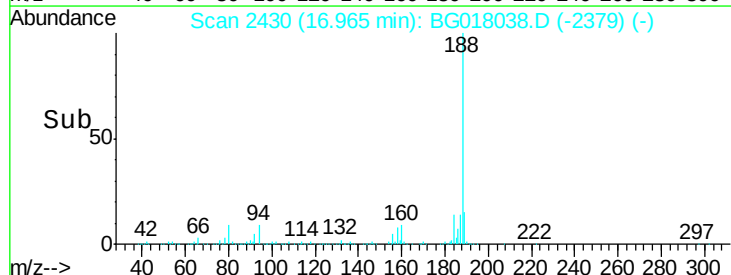
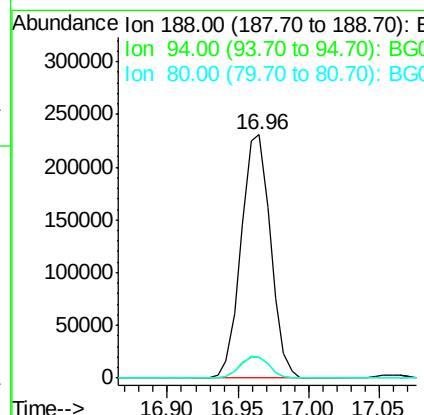
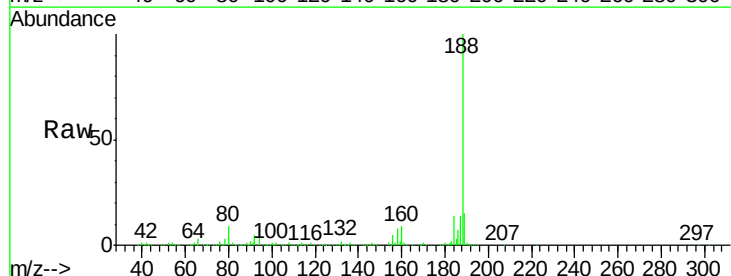
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BNA_G
ClientSampleId :
SB-3-(2-4)

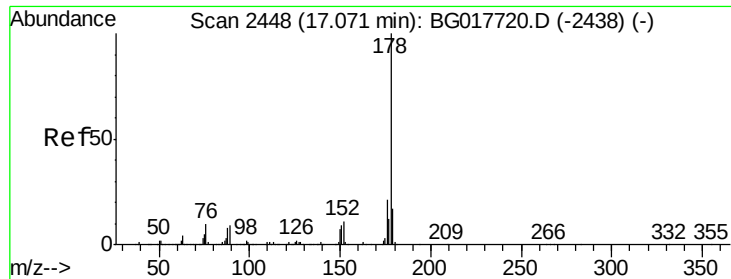
Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.7	5.8	8.6
164	10.3	8.3	12.5



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.96 min Scan# 2430
Delta R.T. 0.00 min
Lab File: BG018038.D
Acq: 22 Jul 2015 1:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.2	12.2
80	8.8	8.2	12.4





#70

Phenanthrene

Concen: 14.41 ng

RT: 17.01 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BG018038.D

Acq: 22 Jul 2015 1:56

Instrument :

BNA_G

ClientSampleId :

SB-3-(2-4)

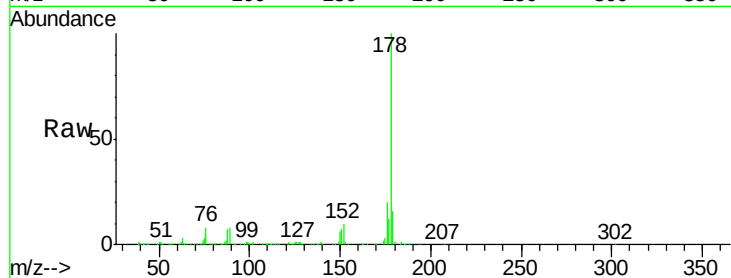
Tgt Ion:178 Resp: 249633

Ion Ratio Lower Upper

178 100

176 19.8 16.5 24.7

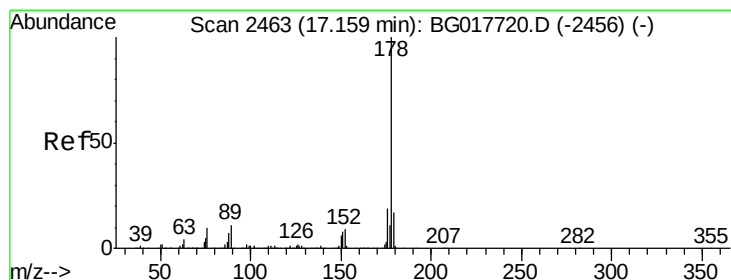
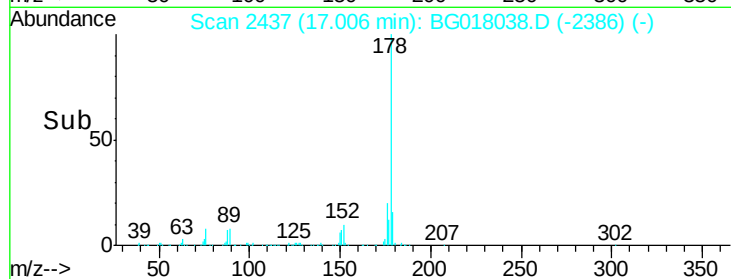
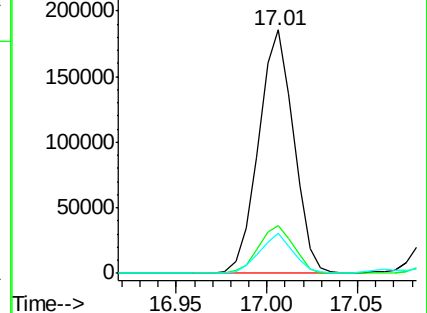
179 16.2 13.5 20.3



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: 4.02 ng

RT: 17.09 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG018038.D

Acq: 22 Jul 2015 1:56

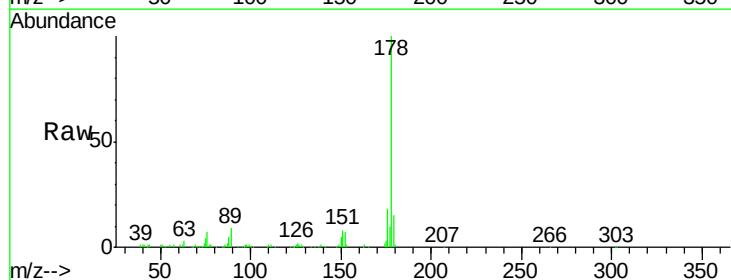
Tgt Ion:178 Resp: 67701

Ion Ratio Lower Upper

178 100

176 18.3 15.2 22.8

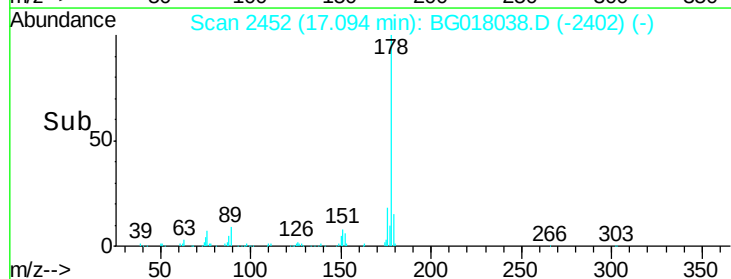
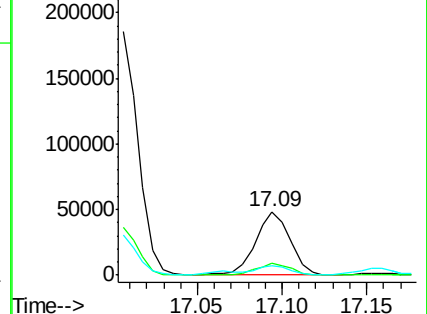
179 14.8 13.6 20.4

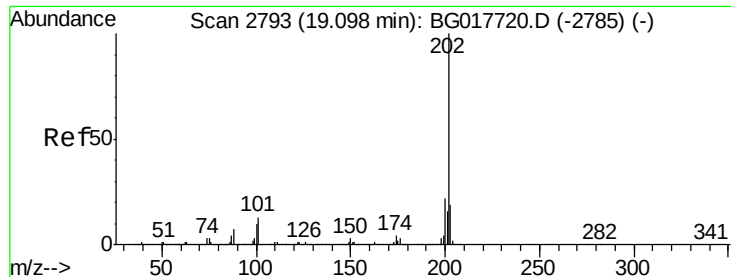


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 18.28 ng

RT: 19.03 min Scan# 2782

Delta R.T. 0.00 min

Lab File: BG018038.D

Acq: 22 Jul 2015 1:56

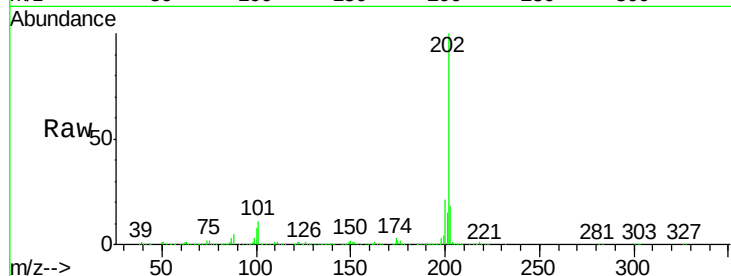
Instrument :

BNA_G

ClientSampleId :

SB-3-(2-4)

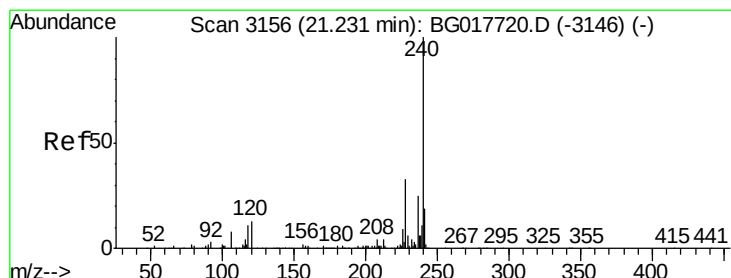
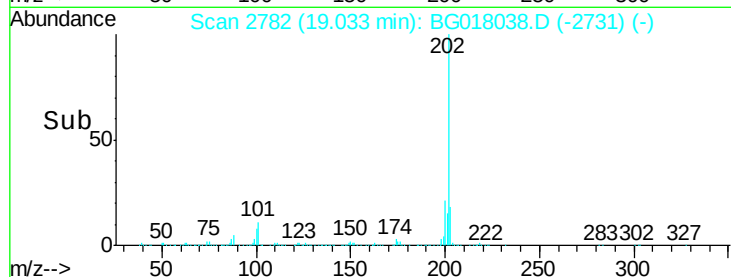
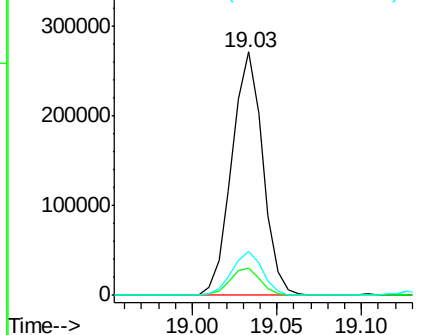
Tgt Ion:	202	Resp:	346648
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	33.3
203	18.0	0.0	39.5



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

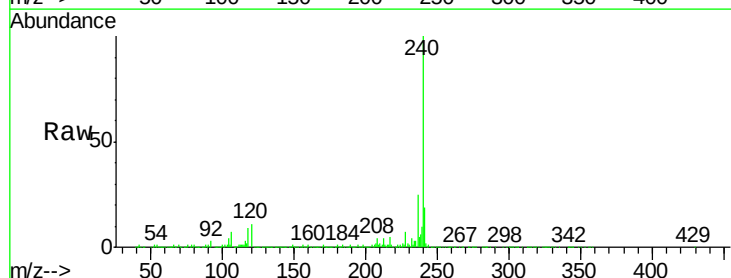
RT: 21.17 min Scan# 3145

Delta R.T. 0.00 min

Lab File: BG018038.D

Acq: 22 Jul 2015 1:56

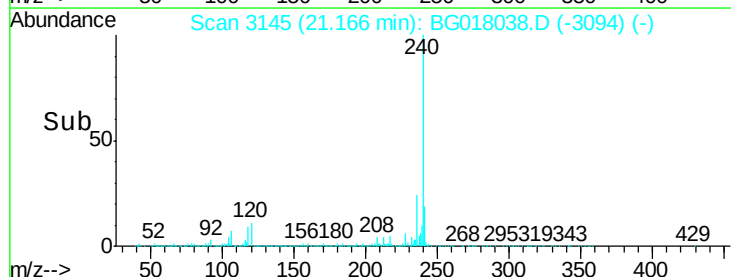
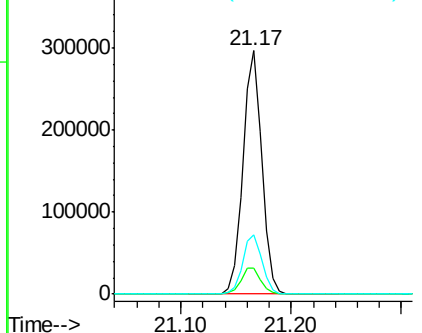
Tgt Ion:	240	Resp:	356530
Ion	Ratio	Lower	Upper
240	100		
120	10.9	10.8	16.2
236	24.5	20.0	30.0

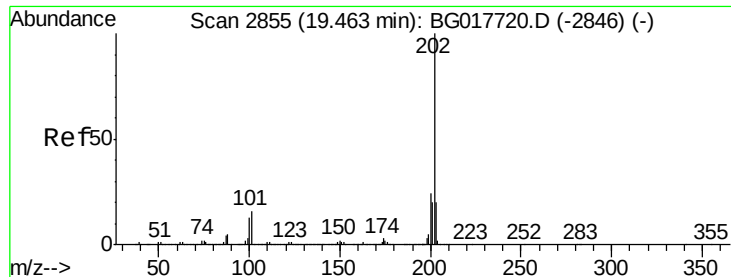


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

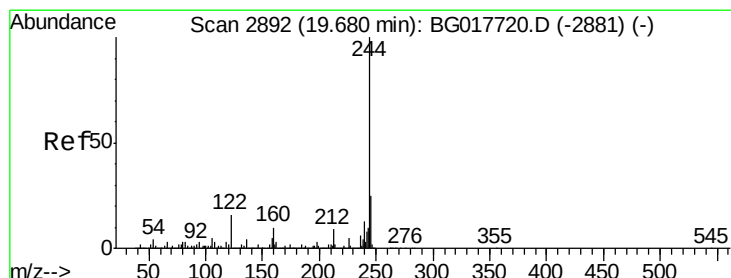
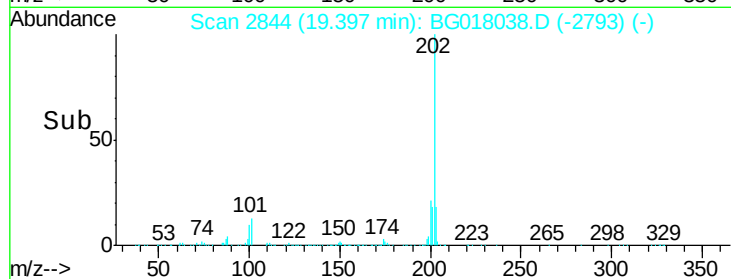
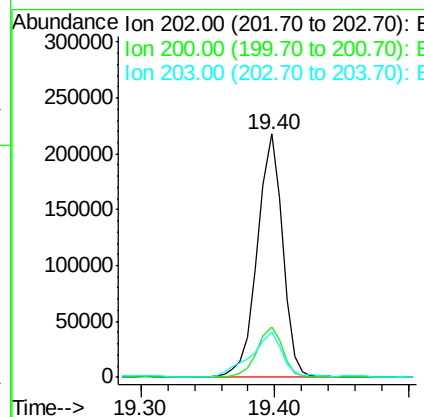
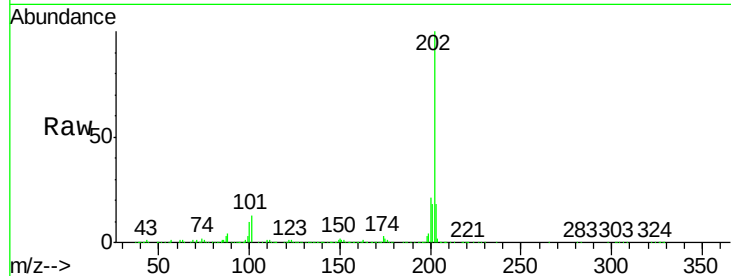




#77
 Pyrene
 Concen: 14.21 ng
 RT: 19.40 min Scan# 2844
 Delta R.T. 0.00 min
 Lab File: BG018038.D
 Acq: 22 Jul 2015 1:56

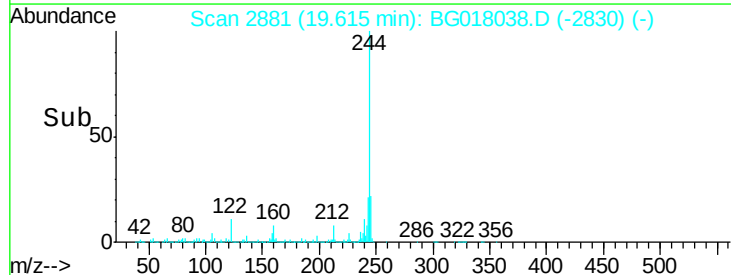
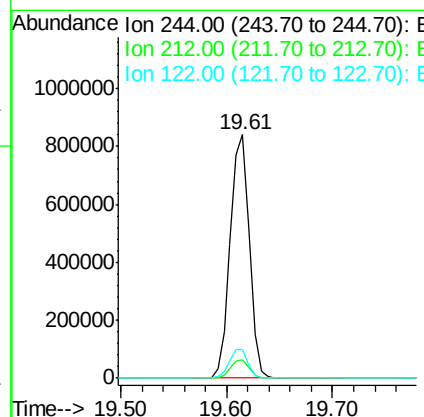
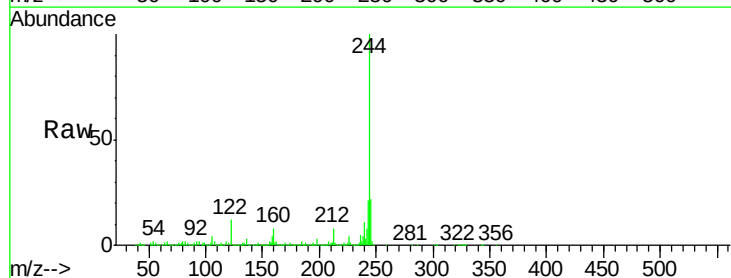
Instrument :
 BNA_G
 ClientSampleId :
 SB-3-(2-4)

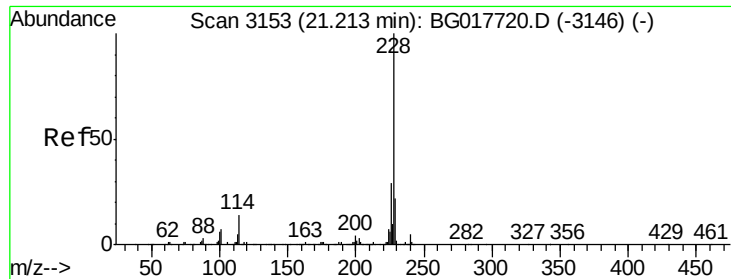
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.8	28.2
203	18.4	15.9	23.9



#78
 Terphenyl-d14
 Concen: 74.20 ng
 RT: 19.61 min Scan# 2881
 Delta R.T. 0.00 min
 Lab File: BG018038.D
 Acq: 22 Jul 2015 1:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	7.2	10.8
122	11.5	12.8	19.2





#80

Benzo(a)anthracene

Concen: 9.12 ng

RT: 21.15 min Scan# 3142

Delta R.T. -0.01 min

Lab File: BG018038.D

Acq: 22 Jul 2015 1:56

Instrument :

BNA_G

ClientSampleId :

SB-3-(2-4)

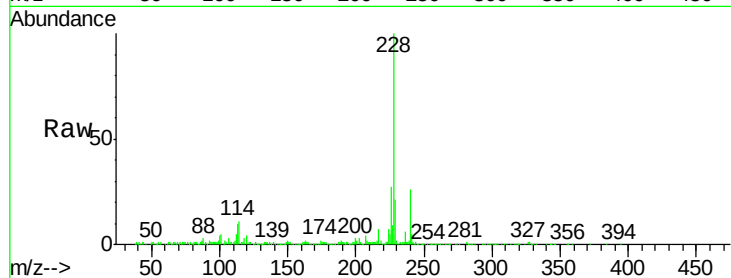
Tgt Ion:228 Resp: 171726

Ion Ratio Lower Upper

228 100

226 27.3 23.1 34.7

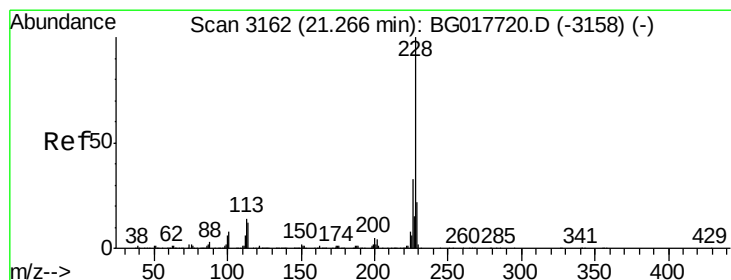
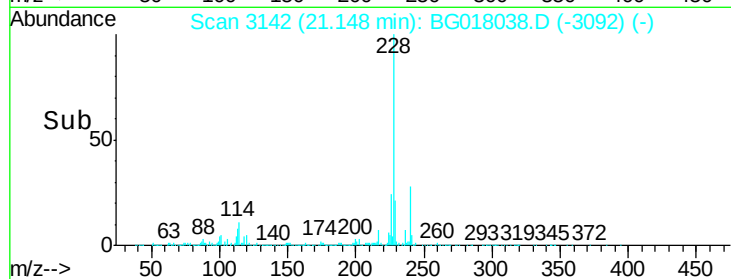
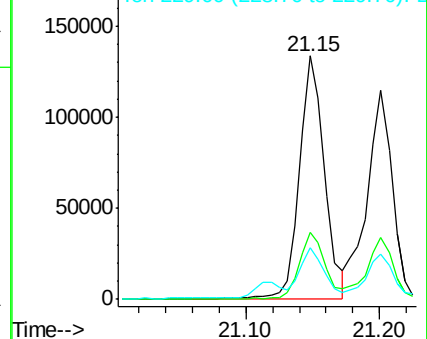
229 21.0 17.4 26.0



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



#82

Chrysene

Concen: 8.34 ng

RT: 21.20 min Scan# 3151

Delta R.T. -0.01 min

Lab File: BG018038.D

Acq: 22 Jul 2015 1:56

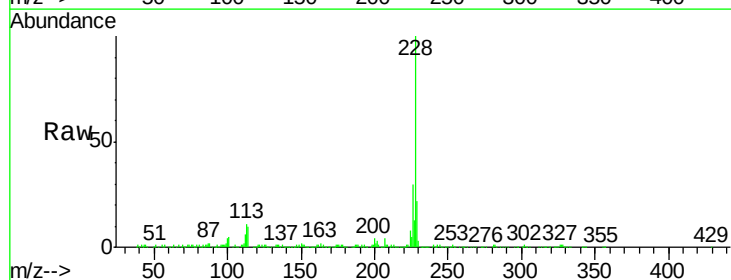
Tgt Ion:228 Resp: 149634

Ion Ratio Lower Upper

228 100

226 29.5 26.1 39.1

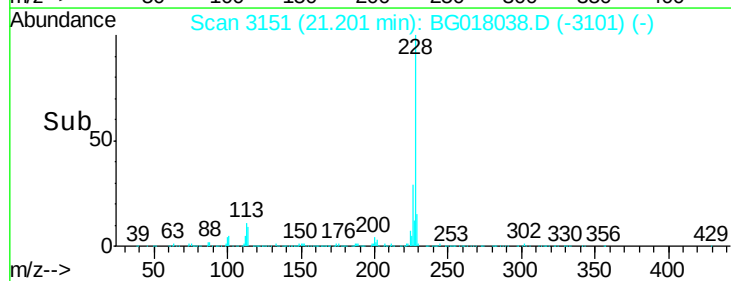
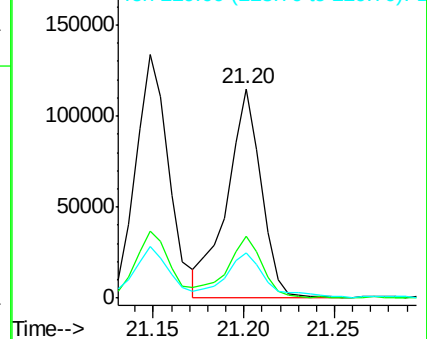
229 21.8 17.7 26.5

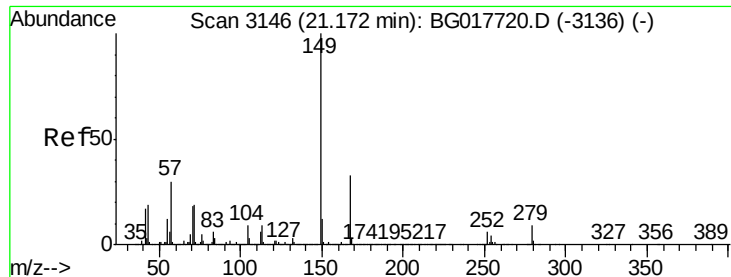


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

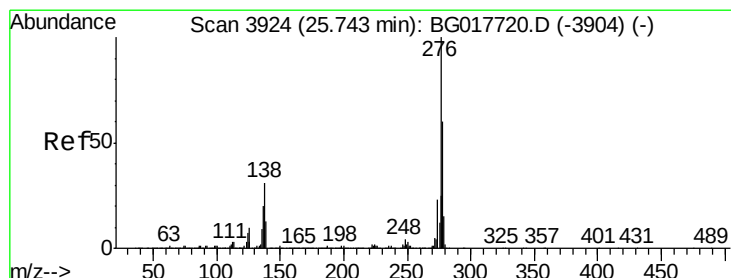
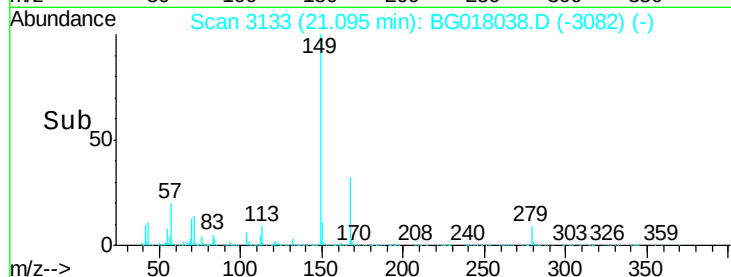
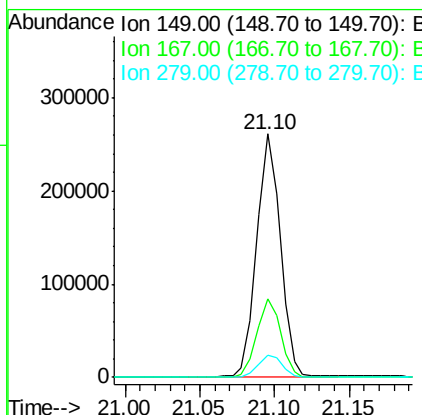
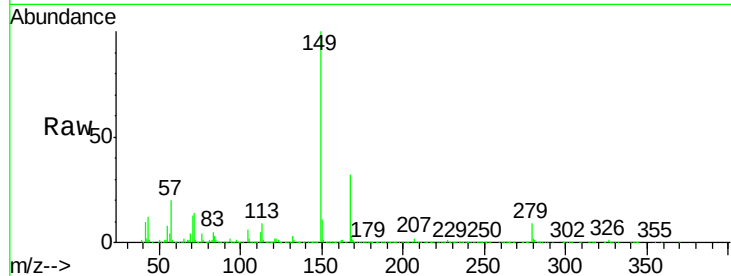




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 23.09 ng
 RT: 21.10 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: BG018038.D
 Acq: 22 Jul 2015 1:56

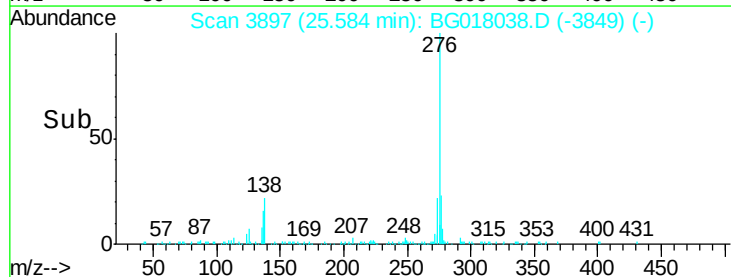
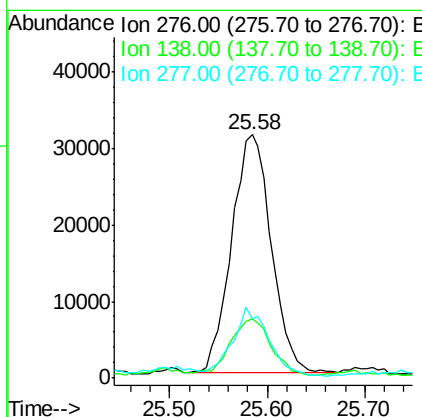
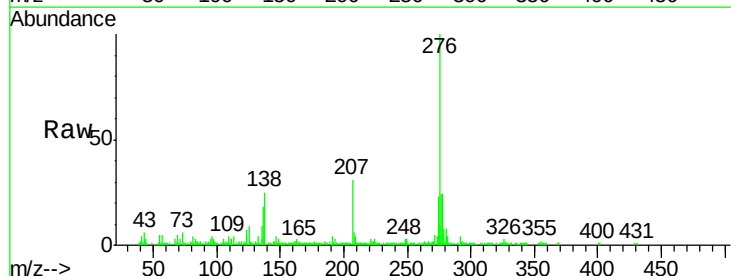
Instrument :
 BNA_G
 ClientSampleId :
 SB-3-(2-4)

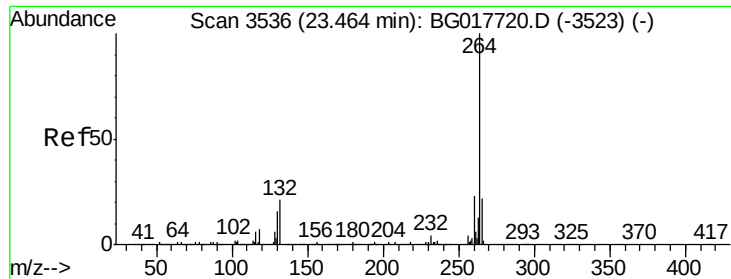
Tgt Ion:149 Resp: 283118
 Ion Ratio Lower Upper
 149 100
 167 32.3 26.6 39.8
 279 9.1 6.9 10.3



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.06 ng
 RT: 25.58 min Scan# 3897
 Delta R.T. -0.02 min
 Lab File: BG018038.D
 Acq: 22 Jul 2015 1:56

Tgt Ion:276 Resp: 88151
 Ion Ratio Lower Upper
 276 100
 138 25.0 25.4 38.0#
 277 26.8 21.0 31.4





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.36 min Scan# 3519

Delta R.T. -0.01 min

Lab File: BG018038.D

Acq: 22 Jul 2015 1:56

Instrument :

BNA_G

ClientSampleId :

SB-3-(2-4)

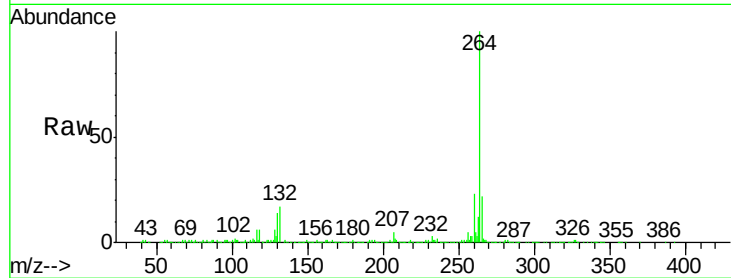
Tgt Ion:264 Resp: 356823

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

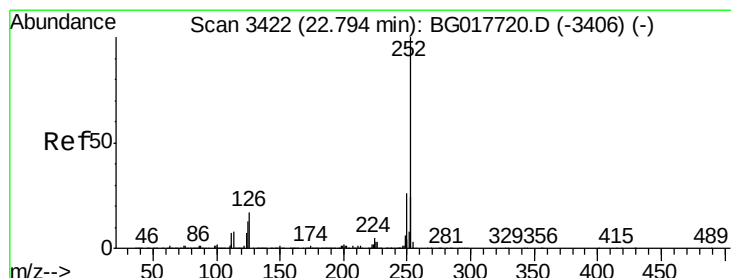
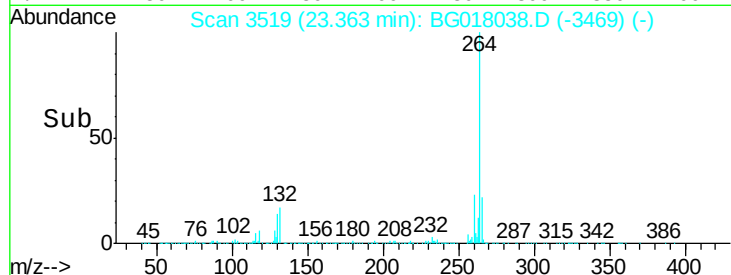
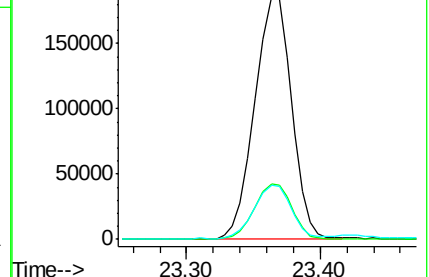
265 22.1 18.2 27.2



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



#87

Benzo(b)fluoranthene

Concen: 10.54 ng m

RT: 22.71 min Scan# 3407

Delta R.T. -0.01 min

Lab File: BG018038.D

Acq: 22 Jul 2015 1:56

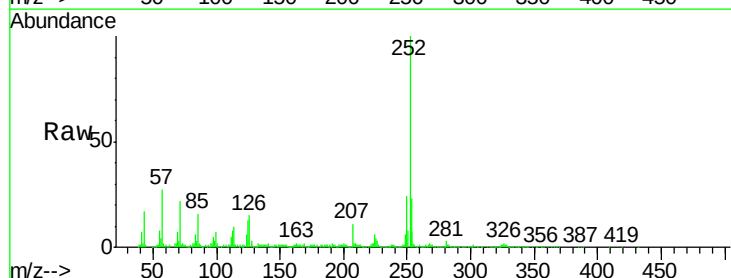
Tgt Ion:252 Resp: 205688

Ion Ratio Lower Upper

252 100

253 23.3 19.7 29.5

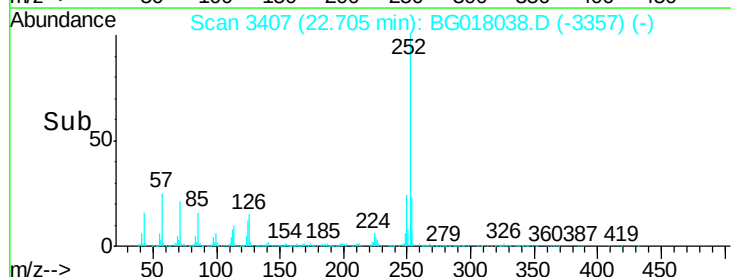
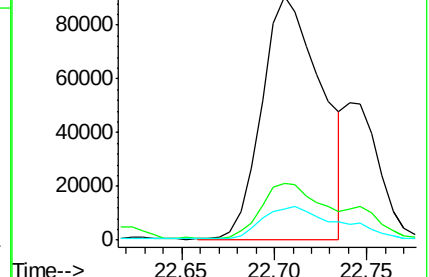
125 12.8 10.6 15.8

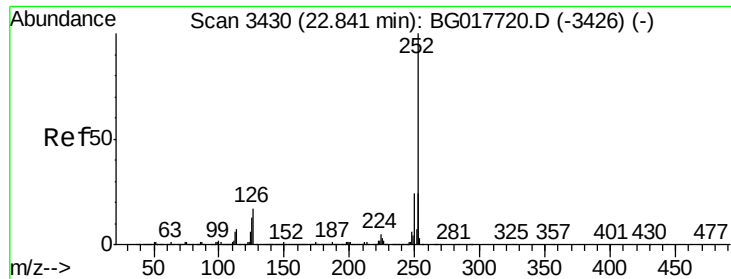


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 3.32 ng m

RT: 22.74 min Scan# 3413

Delta R.T. -0.01 min

Lab File: BG018038.D

Acq: 22 Jul 2015 1:56

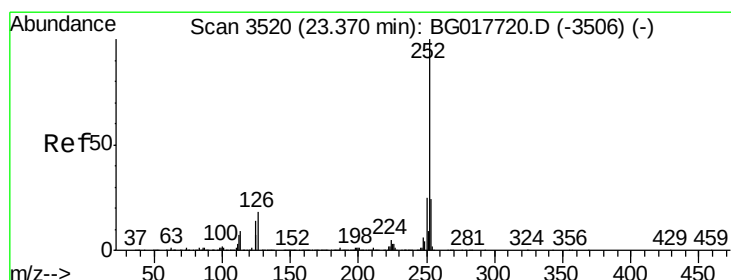
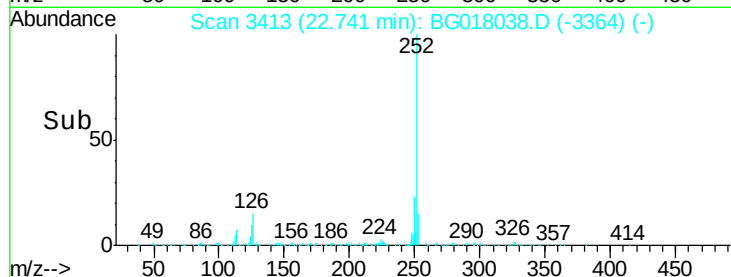
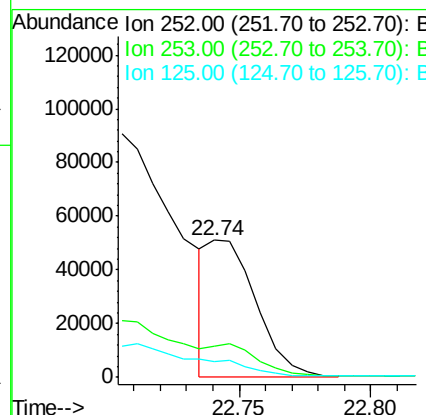
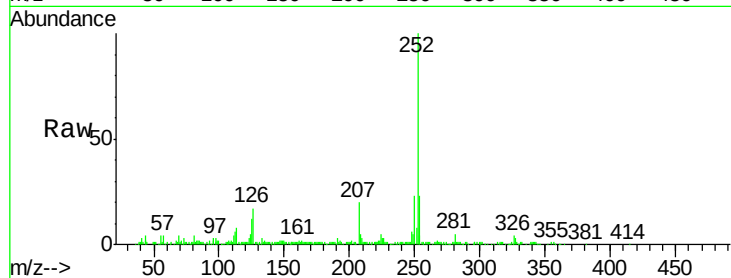
Instrument :

BNA_G

ClientSampleId :

SB-3-(2-4)

Tgt Ion:	252	Resp:	64777
Ion Ratio	Lower	Upper	
252	100		
253	22.6	19.0	28.6
125	11.9	10.3	15.5



#89

Benzo(a)pyrene

Concen: 7.58 ng

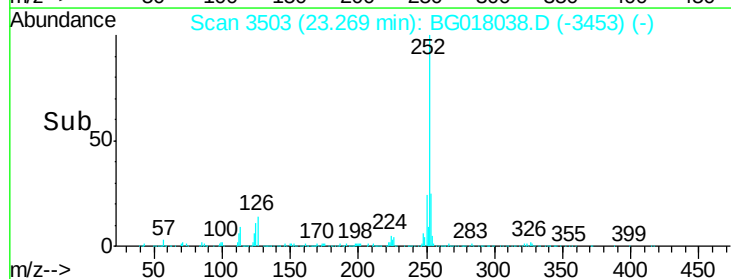
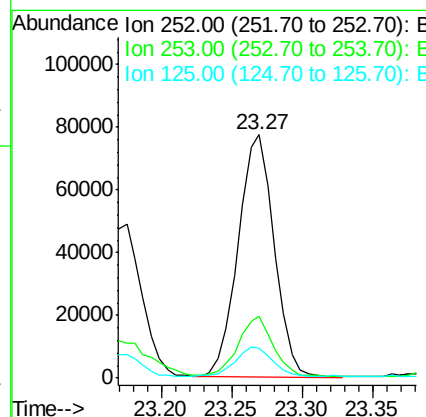
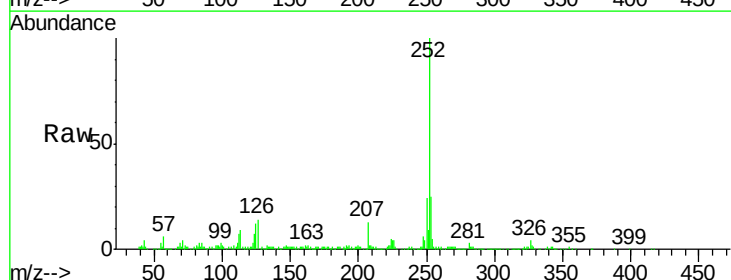
RT: 23.27 min Scan# 3503

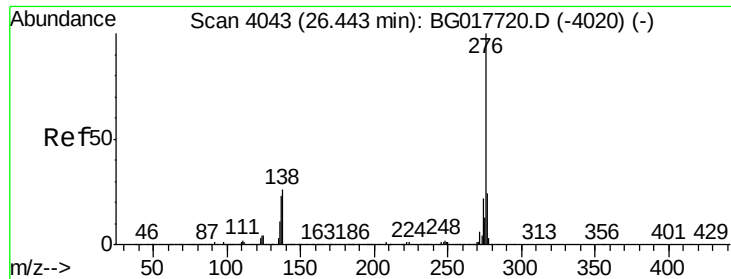
Delta R.T. -0.01 min

Lab File: BG018038.D

Acq: 22 Jul 2015 1:56

Tgt Ion:	252	Resp:	137902
Ion Ratio	Lower	Upper	
252	100		
253	25.2	19.0	28.6
125	12.1	11.1	16.7





#91

Benzo(g,h,i)perylene

Concen: 4.52 ng

RT: 26.26 min Scan# 4012

Delta R.T. -0.02 min

Lab File: BG018038.D

Acq: 22 Jul 2015 1:56

Instrument :

BNA_G

ClientSampleId :

SB-3-(2-4)

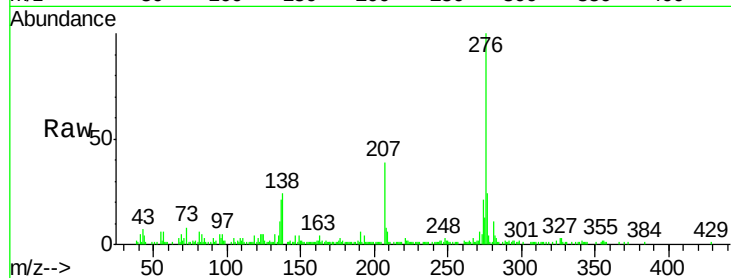
Tgt Ion: 276 Resp: 82159

Ion Ratio Lower Upper

276 100

277 23.7 18.9 28.3

138 23.7 20.8 31.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

