

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052815\
 Data File : BG017349.D
 Acq On : 29 May 2015 7:37
 Operator : TP/IZ
 Sample : G2386-23
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-13-SS

Quant Time: May 29 08:25:36 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 05:38:51 2015
 Response via : Initial Calibration

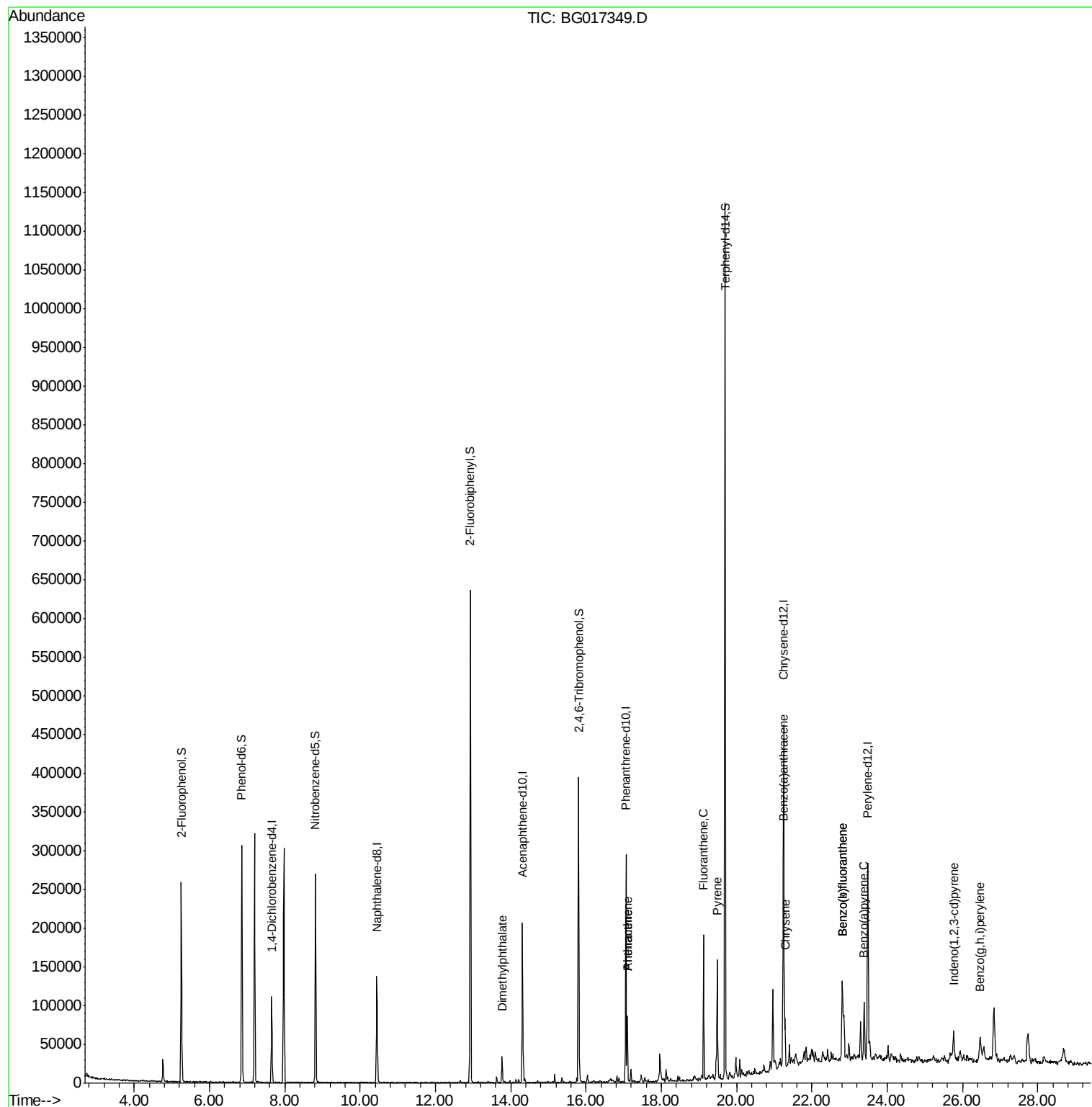
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	24269	20.00	ng	0.00
21) Naphthalene-d8	10.44	136	103255	20.00	ng	0.00
38) Acenaphthene-d10	14.31	164	65485	20.00	ng	0.00
63) Phenanthrene-d10	17.06	188	149004	20.00	ng	0.00
75) Chrysene-d12	21.25	240	173643	20.00	ng	0.00
86) Perylene-d12	23.49	264	168396	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	86768	63.43	ng	0.00
7) Phenol-d6	6.85	99	136605	71.16	ng	0.00
23) Nitrobenzene-d5	8.82	82	138625	62.68	ng	0.00
41) 2,4,6-Tribromophenol	15.81	330	37625	47.53	ng	0.00
44) 2-Fluorobiphenyl	12.93	172	274869	61.59	ng	0.00
78) Terphenyl-d14	19.70	244	427374	51.29	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	13.77	163	18925	3.70	ng	# 95
70) Phenanthrene	17.10	178	42866	5.58	ng	96
71) Anthracene	17.10	178	42866	5.50	ng	98
74) Fluoranthene	19.12	202	94609	10.25	ng	94
77) Pyrene	19.49	202	84954	7.97	ng	99
80) Benzo(a)anthracene	21.23	228	48988	4.92	ng	98
82) Chrysene	21.28	228	43611	4.71	ng	100
85) Indeno(1,2,3-cd)pyrene	25.77	276	35287	3.18	ng	98
87) Benzo(b)fluoranthene	22.81	252	67802	6.91	ng	# 97
88) Benzo(k)fluoranthene	22.81	252	67802	7.28	ng	98
89) Benzo(a)pyrene	23.39	252	48762	5.41	ng	99
91) Benzo(g,h,i)perylene	26.47	276	34436	3.95	ng	# 96

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

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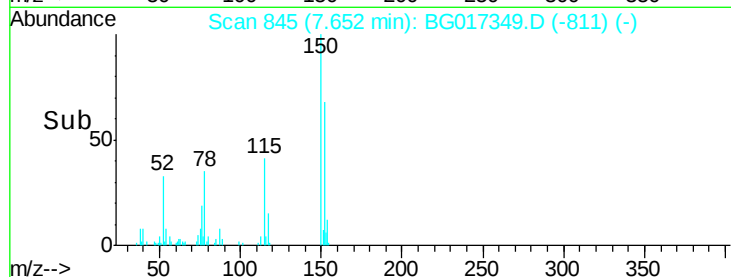
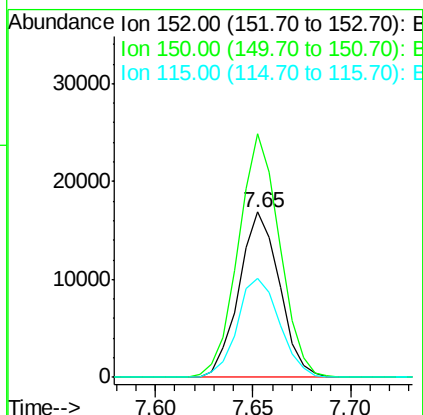
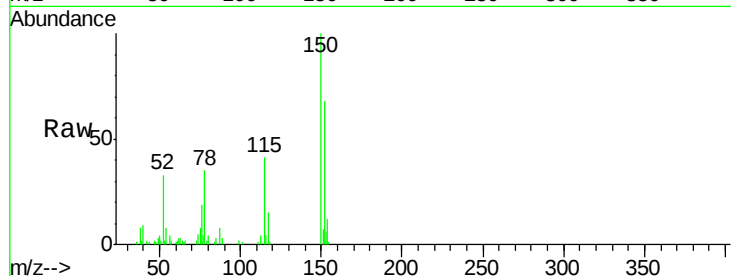


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.65 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG017349.D
Acq: 29 May 2015 7:37

Instrument :
BNA_G
ClientSampleId :
TP-13-SS

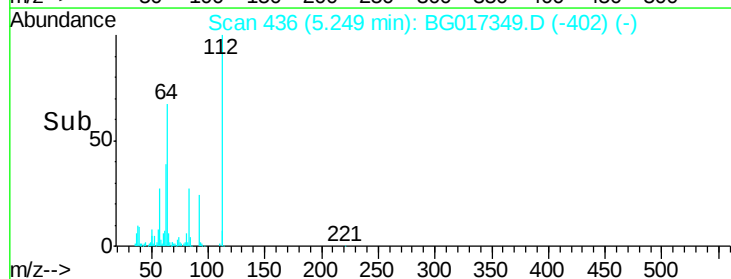
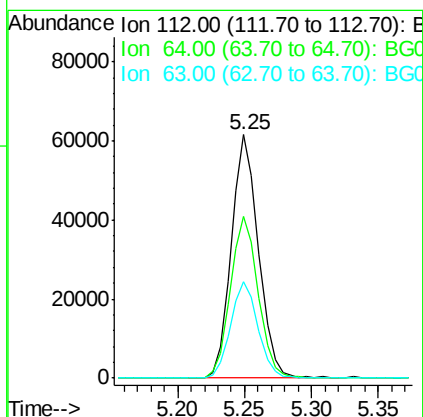
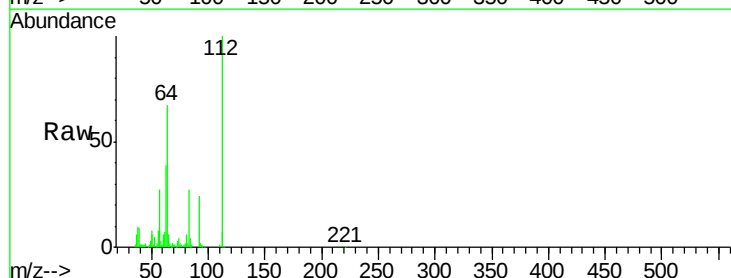
Tgt Ion:152 Resp: 24269
Ion Ratio Lower Upper
152 100
150 147.4 120.8 181.2
115 60.1 49.4 74.2

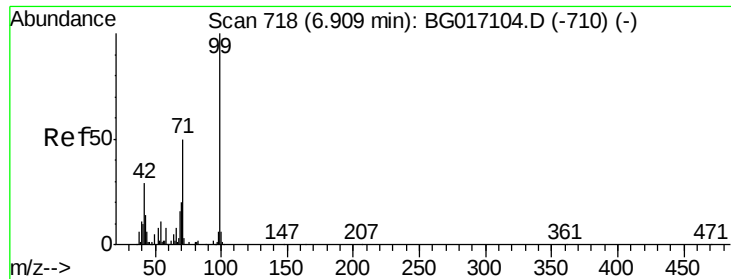


#5

2-Fluorophenol
Concen: 63.43 ng
RT: 5.25 min Scan# 436
Delta R.T. -0.00 min
Lab File: BG017349.D
Acq: 29 May 2015 7:37

Tgt Ion:112 Resp: 86768
Ion Ratio Lower Upper
112 100
64 66.5 48.1 72.1
63 39.4 29.8 44.8





#7

Phenol-d6

Concen: 71.16 ng

RT: 6.85 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG017349.D

Acq: 29 May 2015 7:37

Instrument :

BNA_G

ClientSampleId :

TP-13-SS

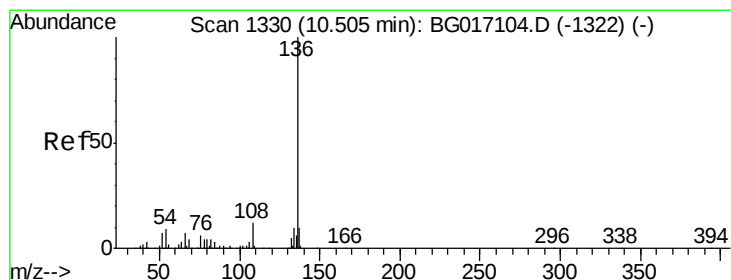
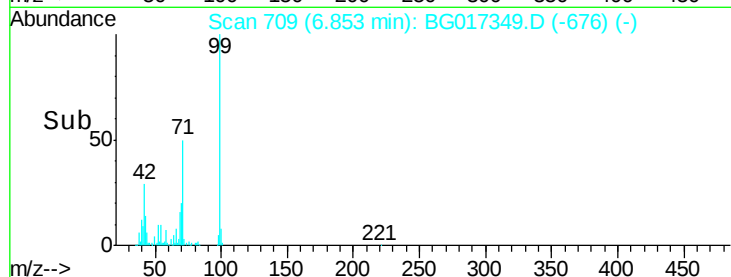
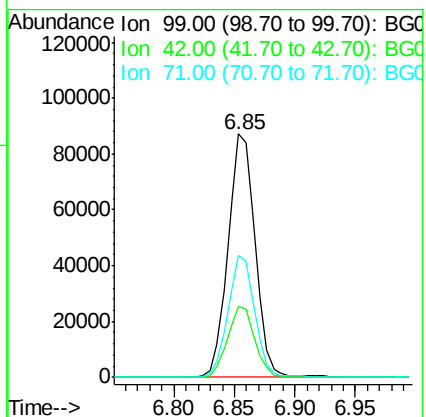
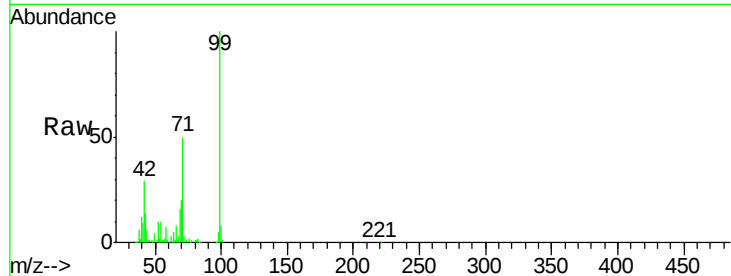
Tgt Ion: 99 Resp: 136605

Ion Ratio Lower Upper

99 100

42 29.1 23.5 35.3

71 50.2 39.8 59.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.44 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BG017349.D

Acq: 29 May 2015 7:37

Tgt Ion: 136 Resp: 103255

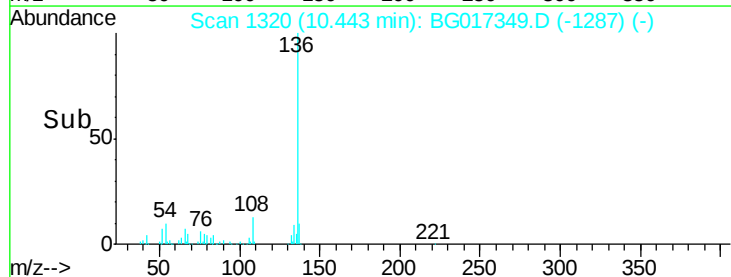
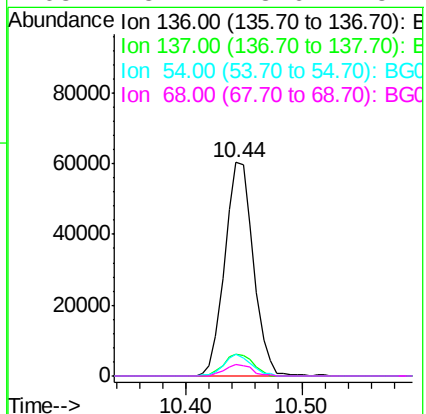
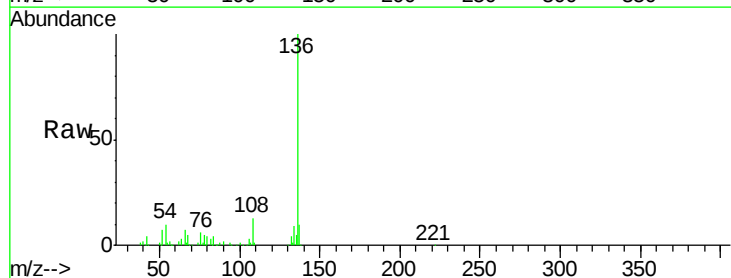
Ion Ratio Lower Upper

136 100

137 10.4 8.3 12.5

54 10.0 7.4 11.2

68 5.1 3.6 5.4

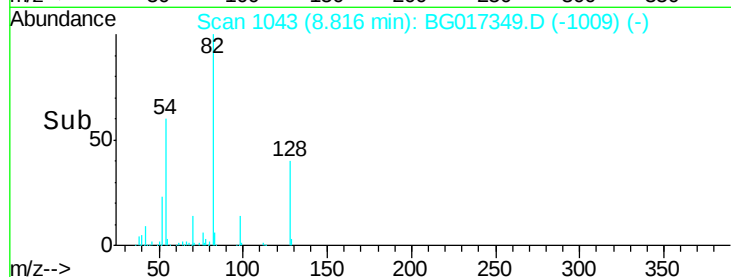
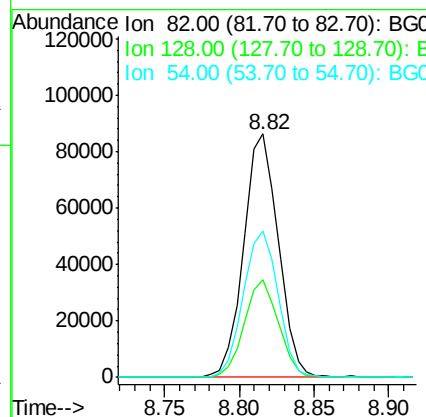
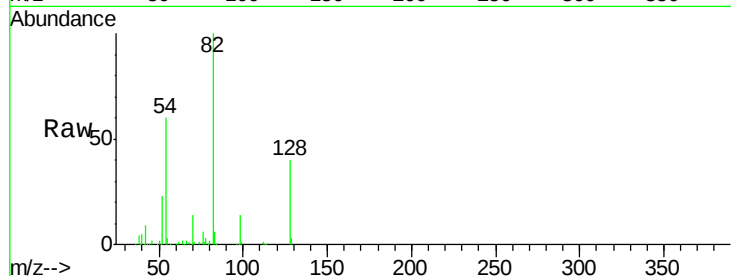




#23
 Nitrobenzene-d5
 Concen: 62.68 ng
 RT: 8.82 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BG017349.D
 Acq: 29 May 2015 7:37

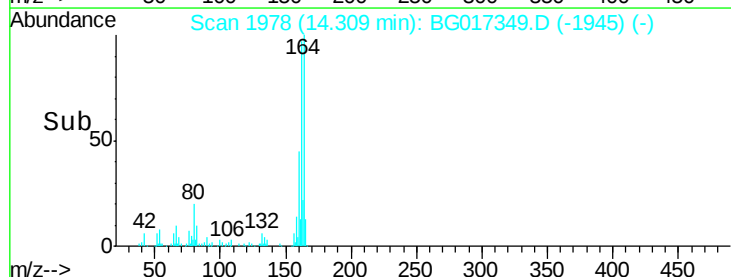
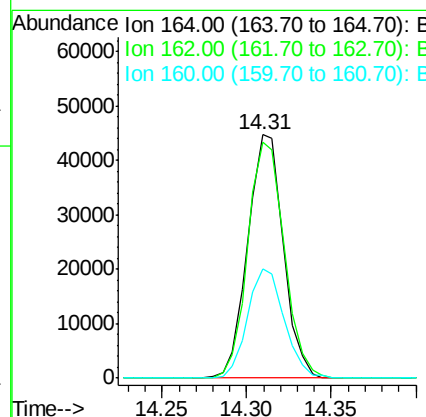
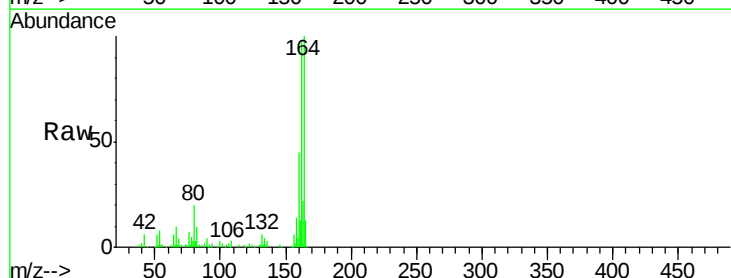
Instrument :
 BNA_G
 ClientSampleId :
 TP-13-SS

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.6	49.0
54	60.1	49.6	74.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.31 min Scan# 1978
 Delta R.T. -0.01 min
 Lab File: BG017349.D
 Acq: 29 May 2015 7:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.9	82.1	123.1
160	44.9	34.8	52.2

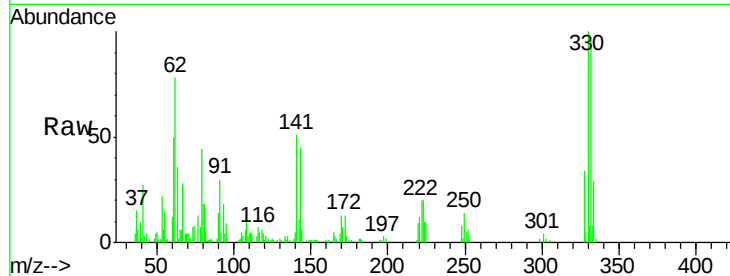




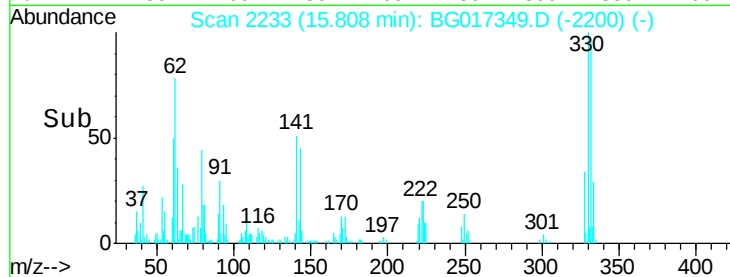
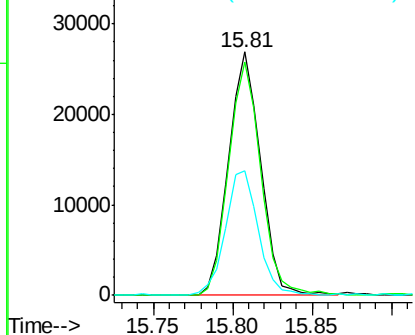
#41
 2,4,6-Tribromophenol
 Concen: 47.53 ng
 RT: 15.81 min Scan# 2233
 Delta R.T. -0.01 min
 Lab File: BG017349.D
 Acq: 29 May 2015 7:37

Instrument :
 BNA_G
 ClientSampleId :
 TP-13-SS

Tgt Ion: 330 Resp: 37625
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.9 115.3
 141 52.3 42.2 63.2

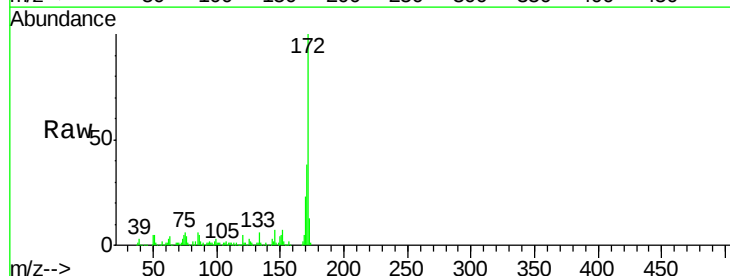


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

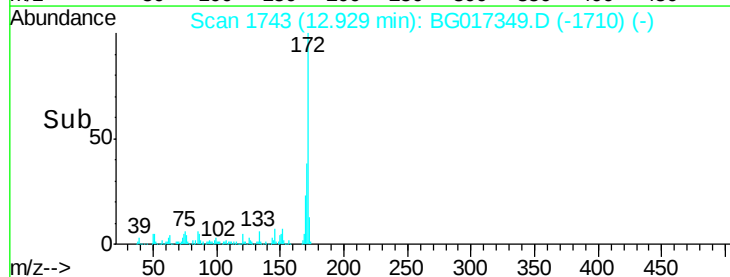
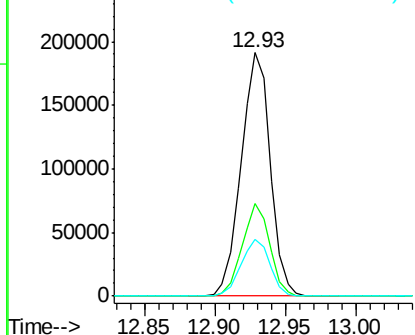


#44
 2-Fluorobiphenyl
 Concen: 61.59 ng
 RT: 12.93 min Scan# 1743
 Delta R.T. -0.01 min
 Lab File: BG017349.D
 Acq: 29 May 2015 7:37

Tgt Ion: 172 Resp: 274869
 Ion Ratio Lower Upper
 172 100
 171 37.9 29.7 44.5
 170 23.2 18.4 27.6



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: 3.70 ng

RT: 13.77 min Scan# 1887

Delta R.T. -0.01 min

Lab File: BG017349.D

Acq: 29 May 2015 7:37

Instrument :

BNA_G

ClientSampleId :

TP-13-SS

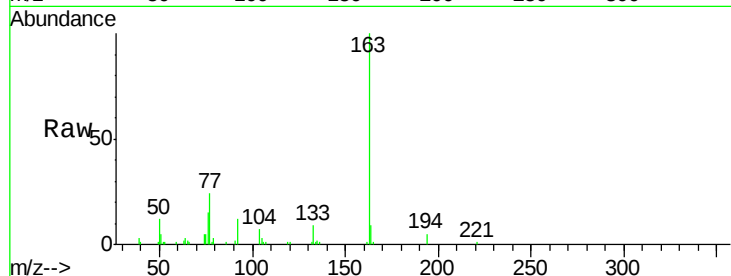
Tgt Ion:163 Resp: 18925

Ion Ratio Lower Upper

163 100

194 5.2 5.6 8.4#

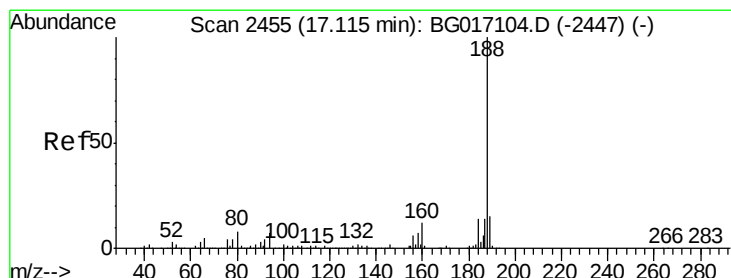
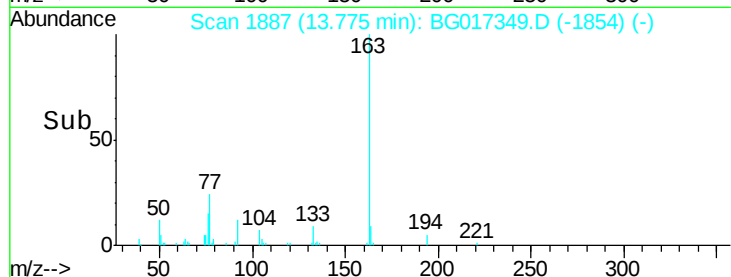
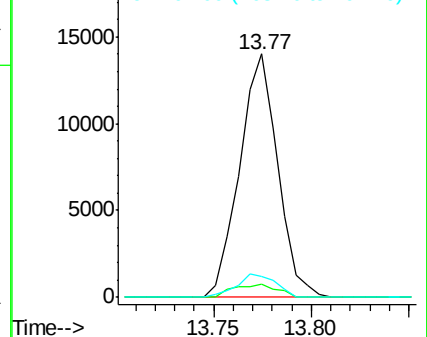
164 8.7 8.6 13.0



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: 17.06 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BG017349.D

Acq: 29 May 2015 7:37

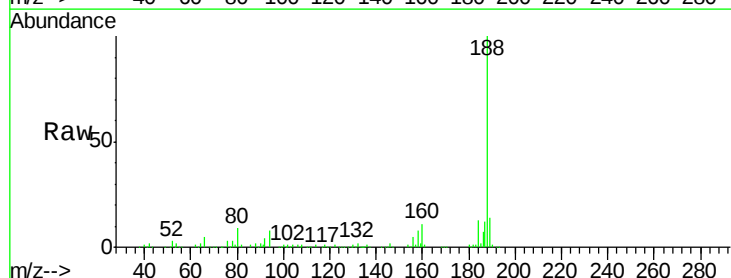
Tgt Ion:188 Resp: 149004

Ion Ratio Lower Upper

188 100

94 8.1 5.8 8.6

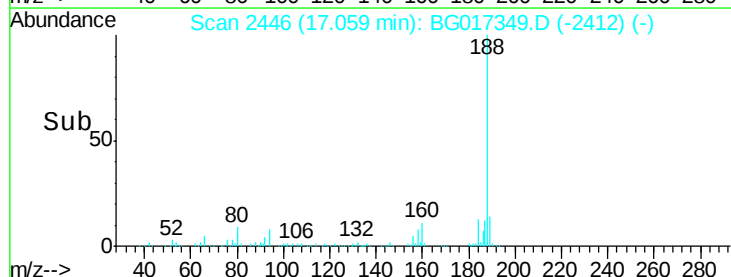
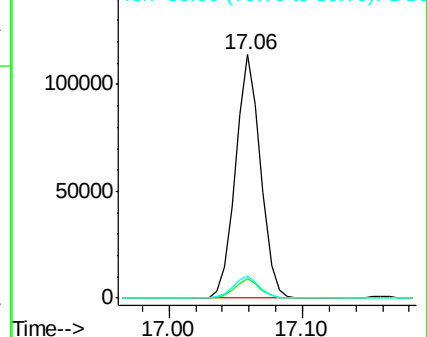
80 8.9 6.5 9.7

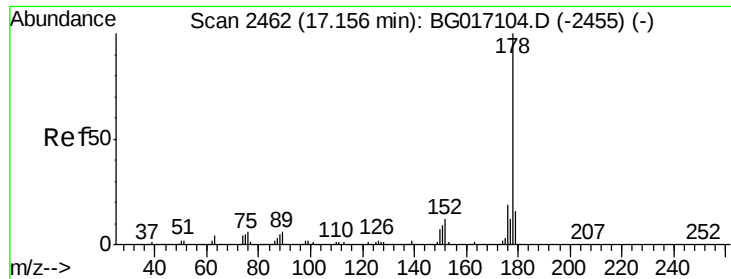


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 5.58 ng

RT: 17.10 min Scan# 2453

Delta R.T. -0.01 min

Lab File: BG017349.D

Acq: 29 May 2015 7:37

Instrument :

BNA_G

ClientSampleId :

TP-13-SS

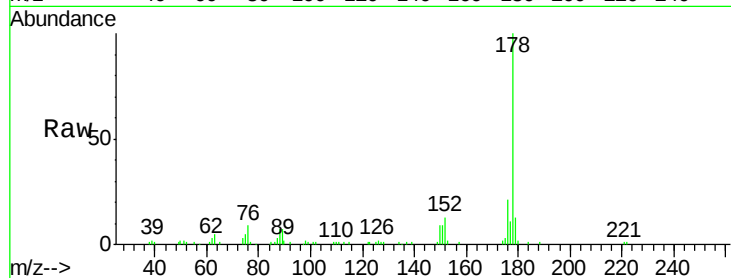
Tgt Ion:178 Resp: 42866

Ion Ratio Lower Upper

178 100

176 20.6 15.4 23.2

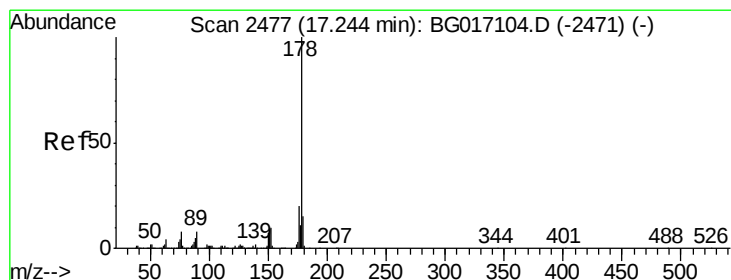
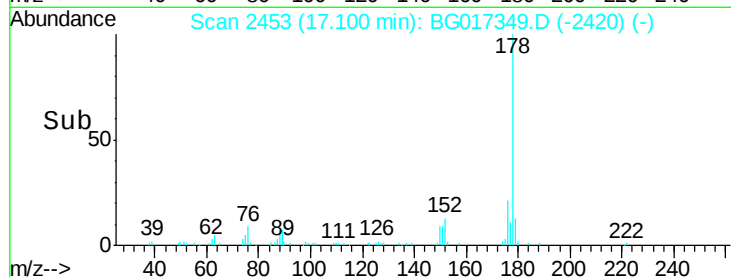
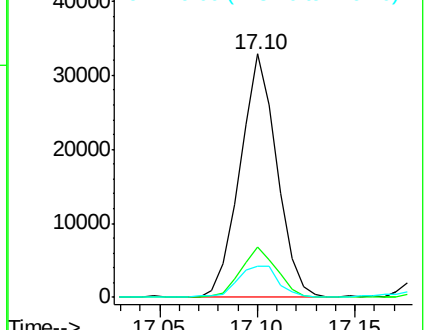
179 13.0 12.5 18.7



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: 5.50 ng

RT: 17.10 min Scan# 2453

Delta R.T. -0.09 min

Lab File: BG017349.D

Acq: 29 May 2015 7:37

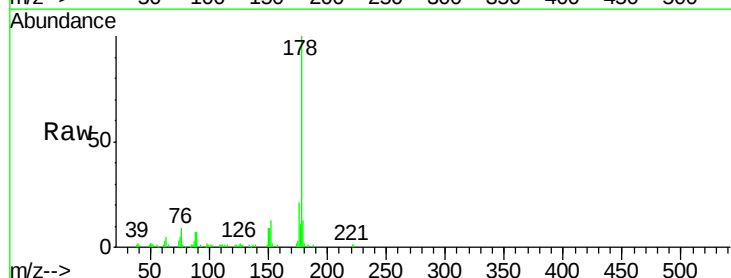
Tgt Ion:178 Resp: 42866

Ion Ratio Lower Upper

178 100

176 20.6 16.3 24.5

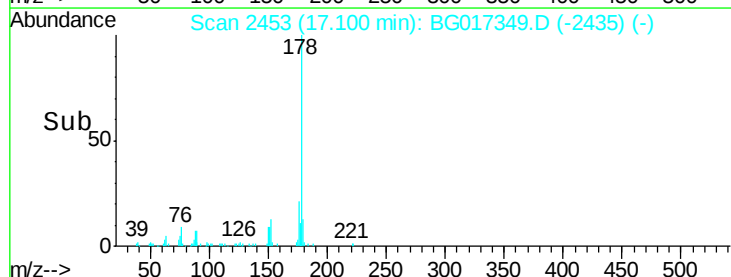
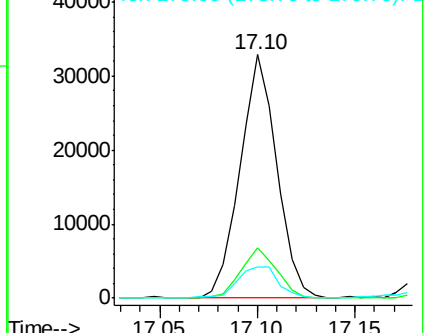
179 13.0 12.1 18.1

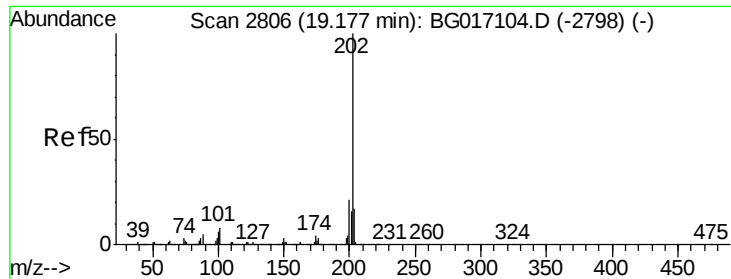


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 10.25 ng

RT: 19.12 min Scan# 2797

Delta R.T. -0.01 min

Lab File: BG017349.D

Acq: 29 May 2015 7:37

Instrument :

BNA_G

ClientSampled :

TP-13-SS

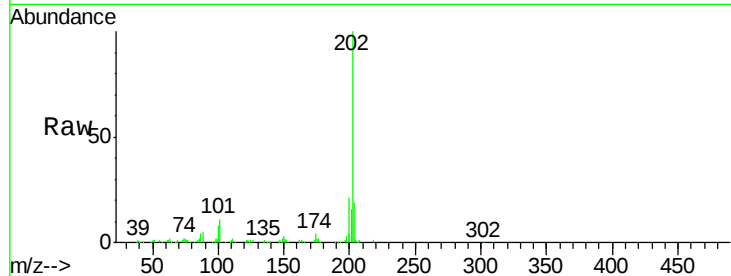
Tgt Ion:202 Resp: 94609

Ion Ratio Lower Upper

202 100

101 11.4 0.0 28.3

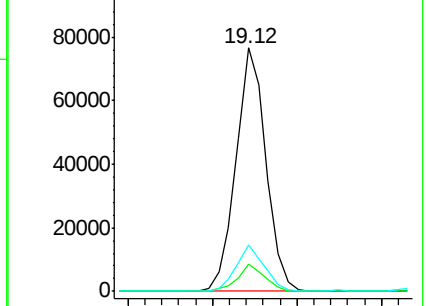
203 19.2 0.0 37.4



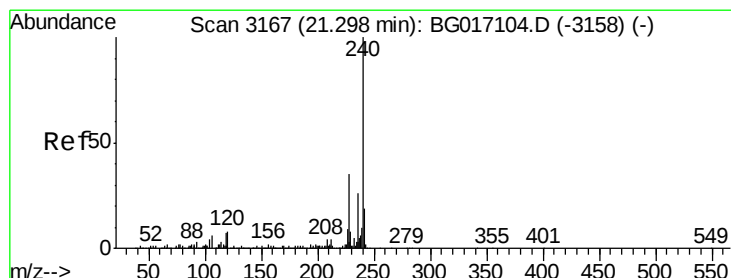
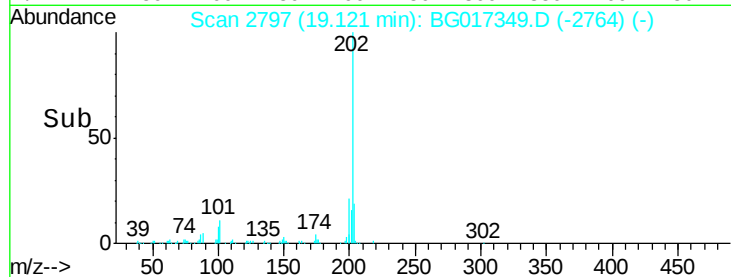
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.05 19.10 19.15 19.20



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.25 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG017349.D

Acq: 29 May 2015 7:37

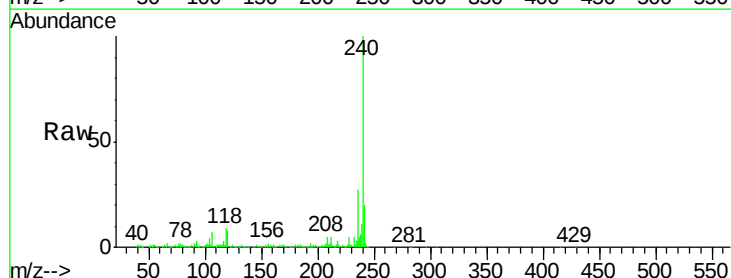
Tgt Ion:240 Resp: 173643

Ion Ratio Lower Upper

240 100

120 8.4 6.0 9.0

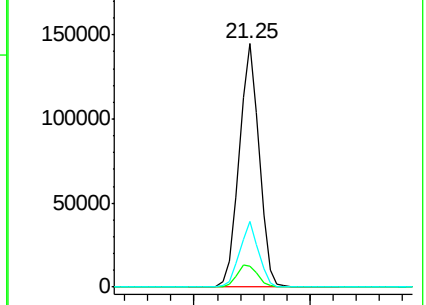
236 26.8 20.5 30.7



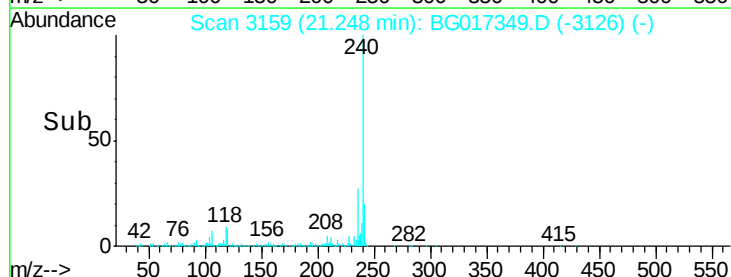
Abundance Ion 240.00 (239.70 to 240.70): E

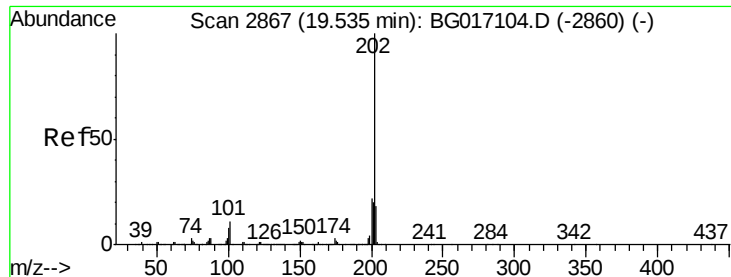
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.20 21.30

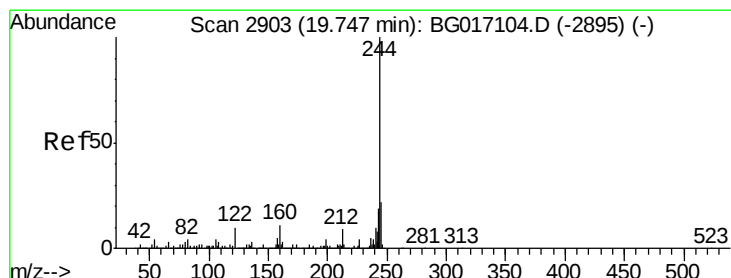
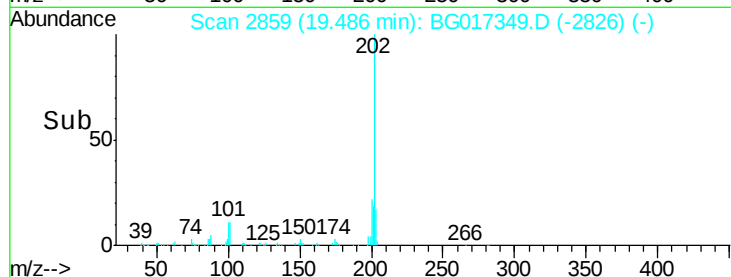
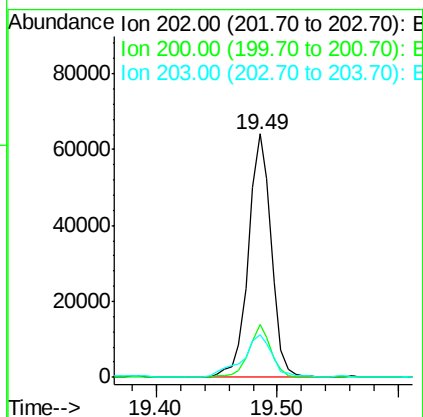
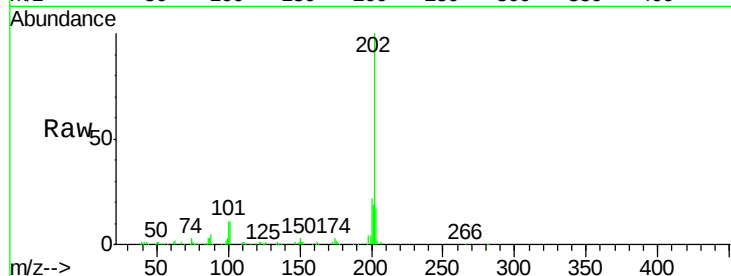




#77
 Pyrene
 Concen: 7.97 ng
 RT: 19.49 min Scan# 2859
 Delta R.T. -0.01 min
 Lab File: BG017349.D
 Acq: 29 May 2015 7:37

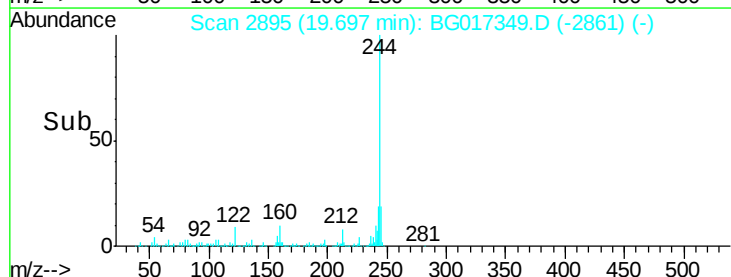
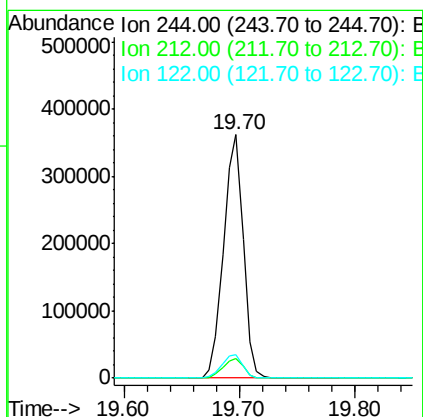
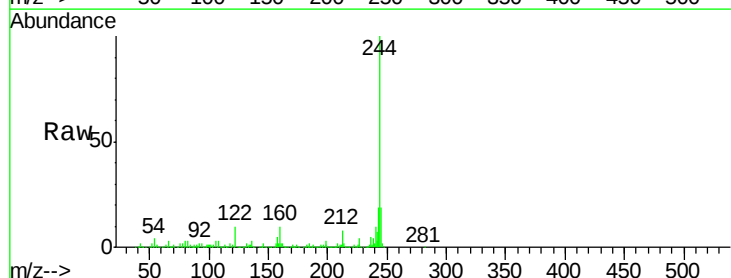
Instrument :
 BNA_G
 ClientSampleId :
 TP-13-SS

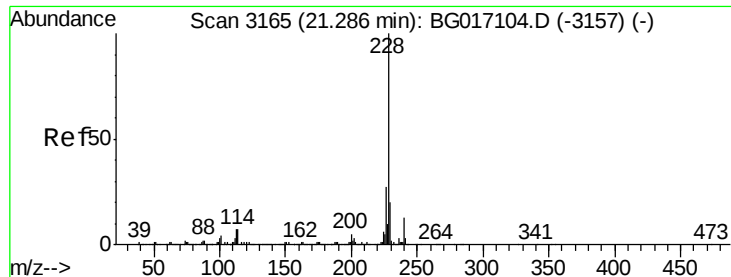
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.8	26.8
203	17.4	14.4	21.6



#78
 Terphenyl-d14
 Concen: 51.29 ng
 RT: 19.70 min Scan# 2895
 Delta R.T. -0.00 min
 Lab File: BG017349.D
 Acq: 29 May 2015 7:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	7.0	10.4
122	9.5	8.4	12.6





#80

Benzo(a)anthracene

Concen: 4.92 ng

RT: 21.23 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG017349.D

Acq: 29 May 2015 7:37

Instrument :

BNA_G

ClientSampleId :

TP-13-SS

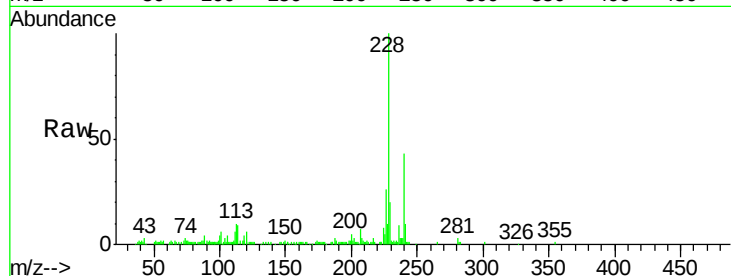
Tgt Ion:228 Resp: 48988

Ion Ratio Lower Upper

228 100

226 25.7 21.7 32.5

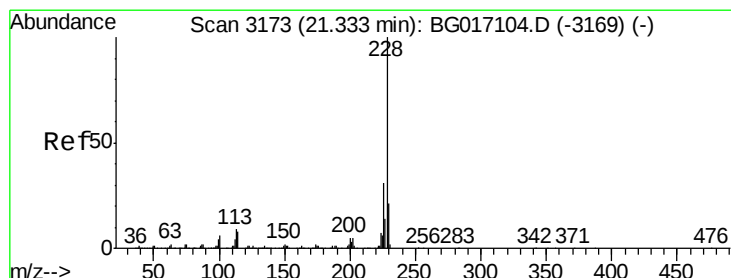
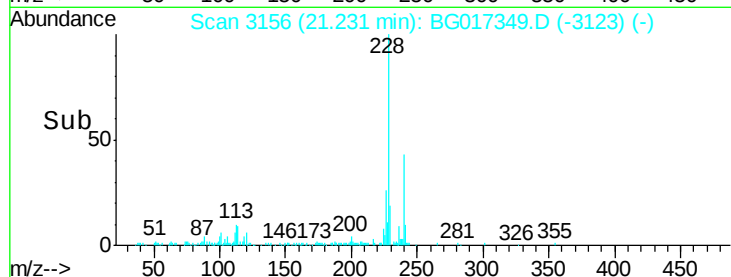
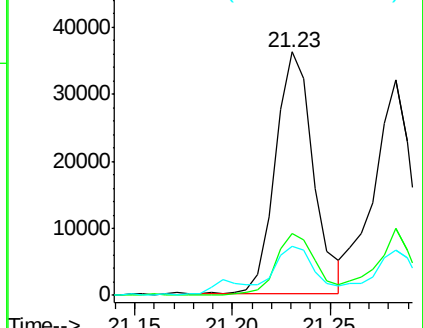
229 19.9 16.1 24.1



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: 4.71 ng

RT: 21.28 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG017349.D

Acq: 29 May 2015 7:37

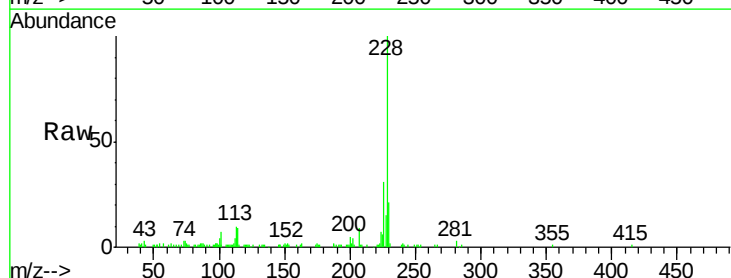
Tgt Ion:228 Resp: 43611

Ion Ratio Lower Upper

228 100

226 30.9 24.8 37.2

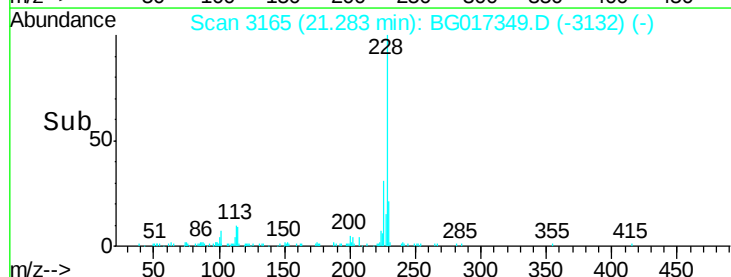
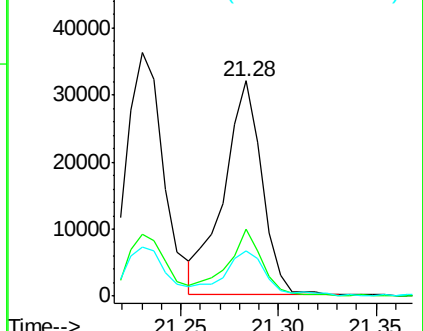
229 20.9 17.0 25.6

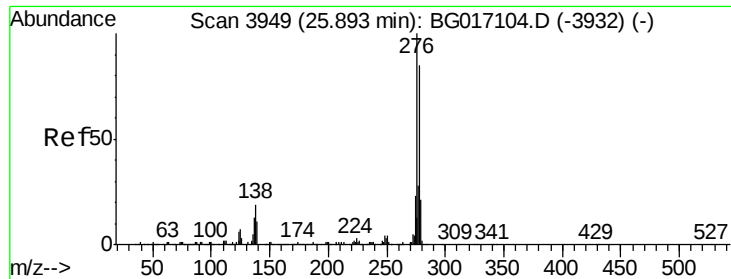


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

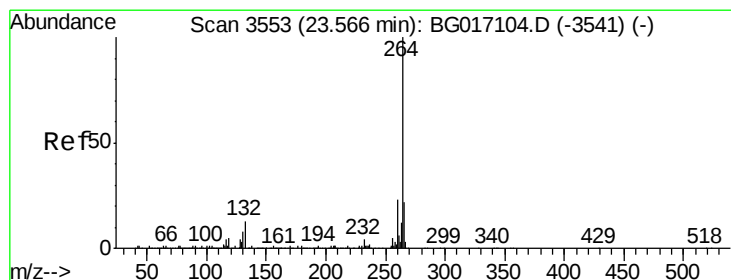
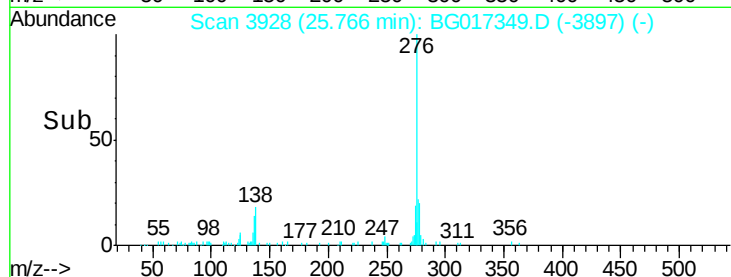
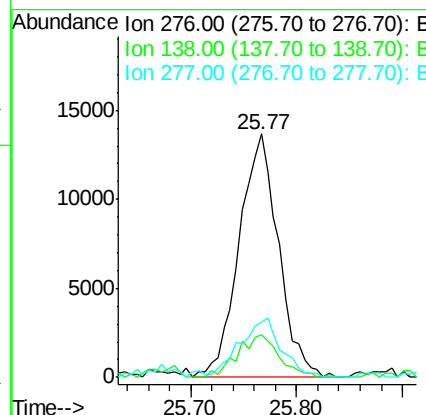
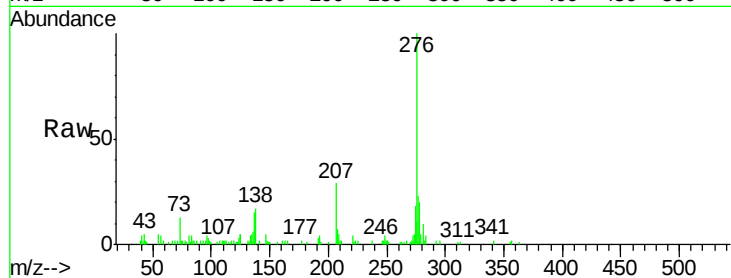




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.18 ng
 RT: 25.77 min Scan# 3928
 Delta R.T. -0.02 min
 Lab File: BG017349.D
 Acq: 29 May 2015 7:37

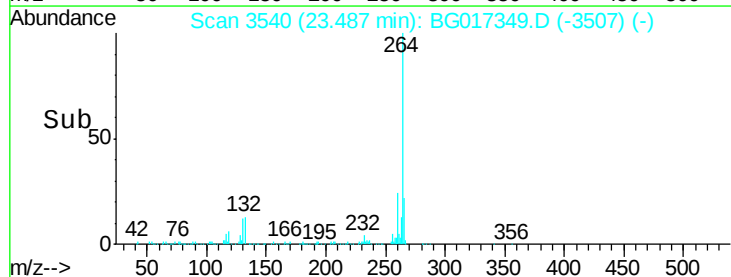
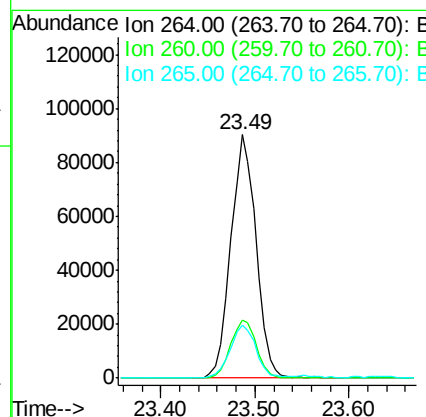
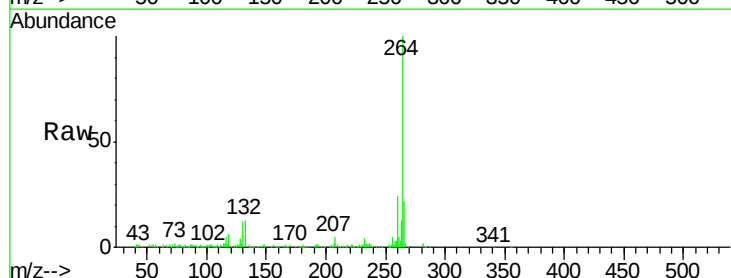
Instrument :
 BNA_G
 ClientSampleId :
 TP-13-SS

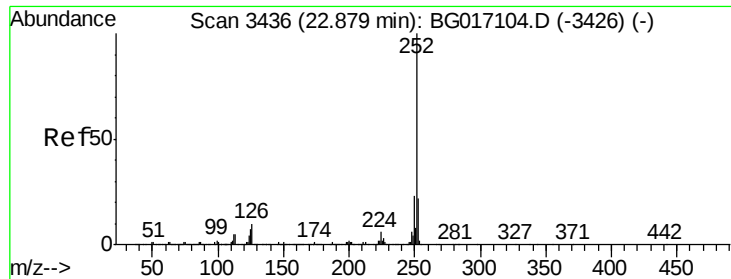
Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.6	16.0	24.0
277	25.6	20.9	31.3



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.49 min Scan# 3540
 Delta R.T. -0.01 min
 Lab File: BG017349.D
 Acq: 29 May 2015 7:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.0	27.0
265	21.7	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 6.91 ng

RT: 22.81 min Scan# 3425

Delta R.T. -0.01 min

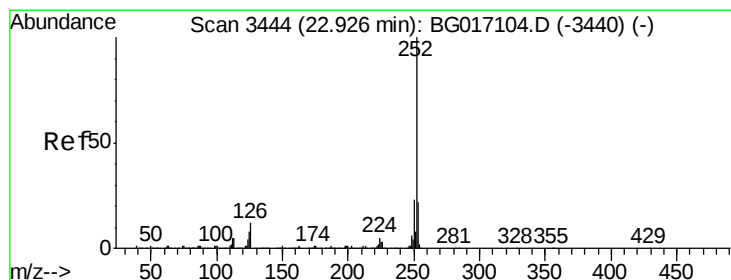
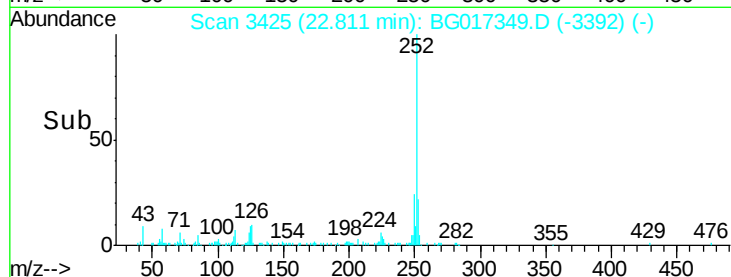
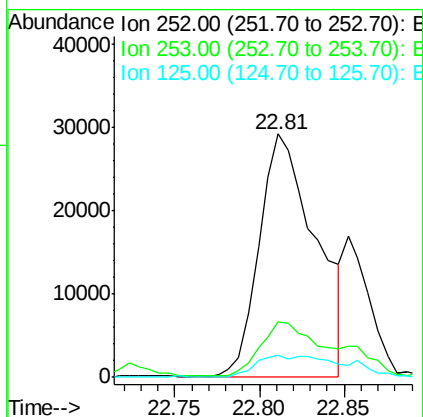
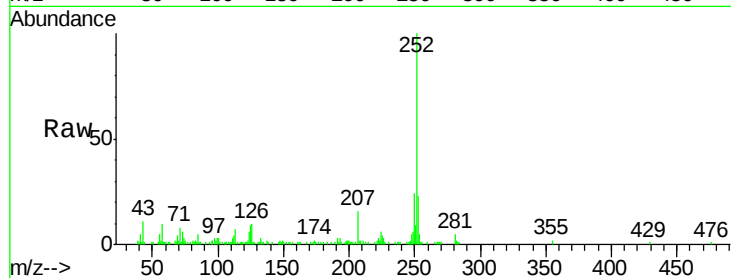
Lab File: BG017349.D

Acq: 29 May 2015 7:37

Instrument :
BNA_G
ClientSampleId :
TP-13-SS

Tgt Ion: 252 Resp: 67802

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	9.3	5.9	8.9#



#88

Benzo(k)fluoranthene

Concen: 7.28 ng

RT: 22.81 min Scan# 3425

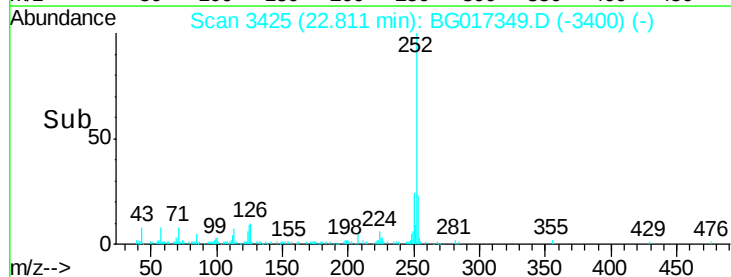
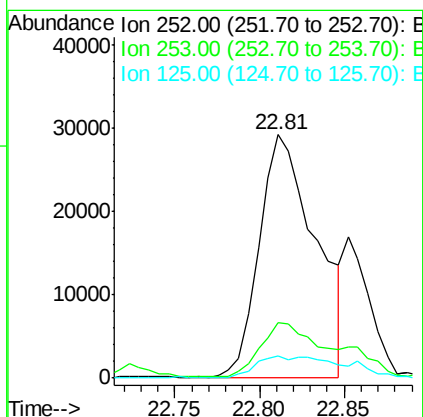
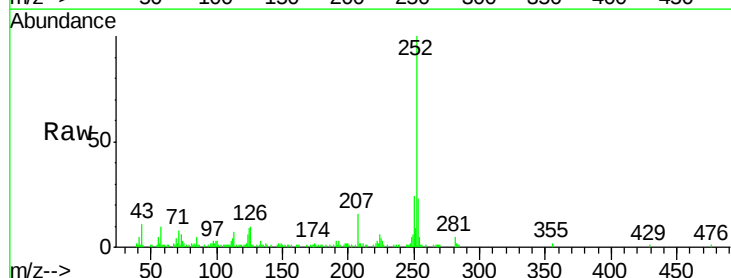
Delta R.T. -0.05 min

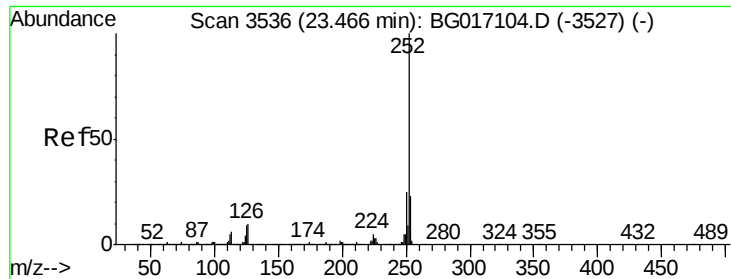
Lab File: BG017349.D

Acq: 29 May 2015 7:37

Tgt Ion: 252 Resp: 67802

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	9.3	6.4	9.6





#89

Benzo(a)pyrene

Concen: 5.41 ng

RT: 23.39 min Scan# 3523

Delta R.T. -0.01 min

Lab File: BG017349.D

Acq: 29 May 2015 7:37

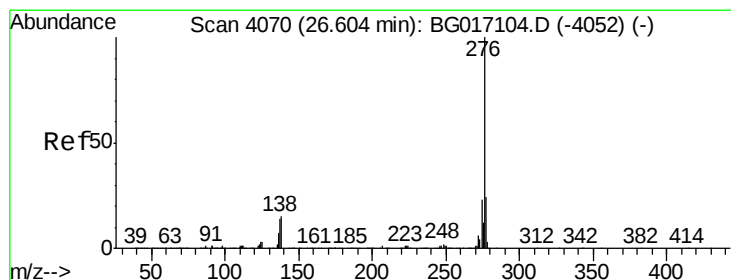
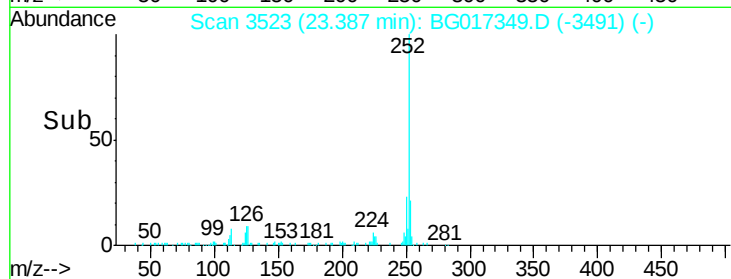
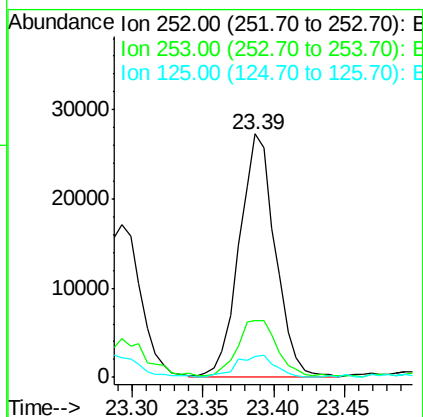
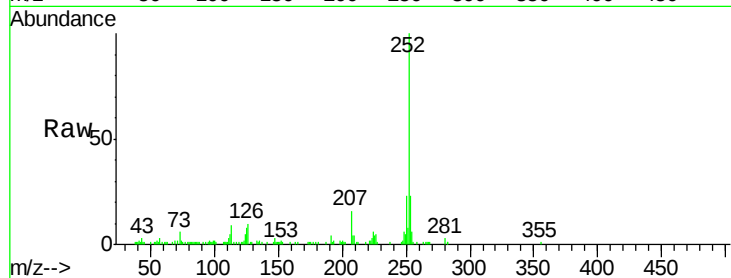
Instrument :

BNA_G

ClientSampleId :

TP-13-SS

Tgt Ion:	252	Resp:	48762
Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	8.5	7.2	10.8



#91

Benzo(g,h,i)perylene

Concen: 3.95 ng

RT: 26.47 min Scan# 4047

Delta R.T. -0.02 min

Lab File: BG017349.D

Acq: 29 May 2015 7:37

Tgt Ion:	276	Resp:	34436
Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.9	28.3
138	17.9	11.8	17.8#

