

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041516\
 Data File : BG021717.D
 Acq On : 16 Apr 2016 14:40
 Operator : UM/SJ
 Sample : H2560-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 POSTEX-25-20160414

Quant Time: Apr 18 01:16:28 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

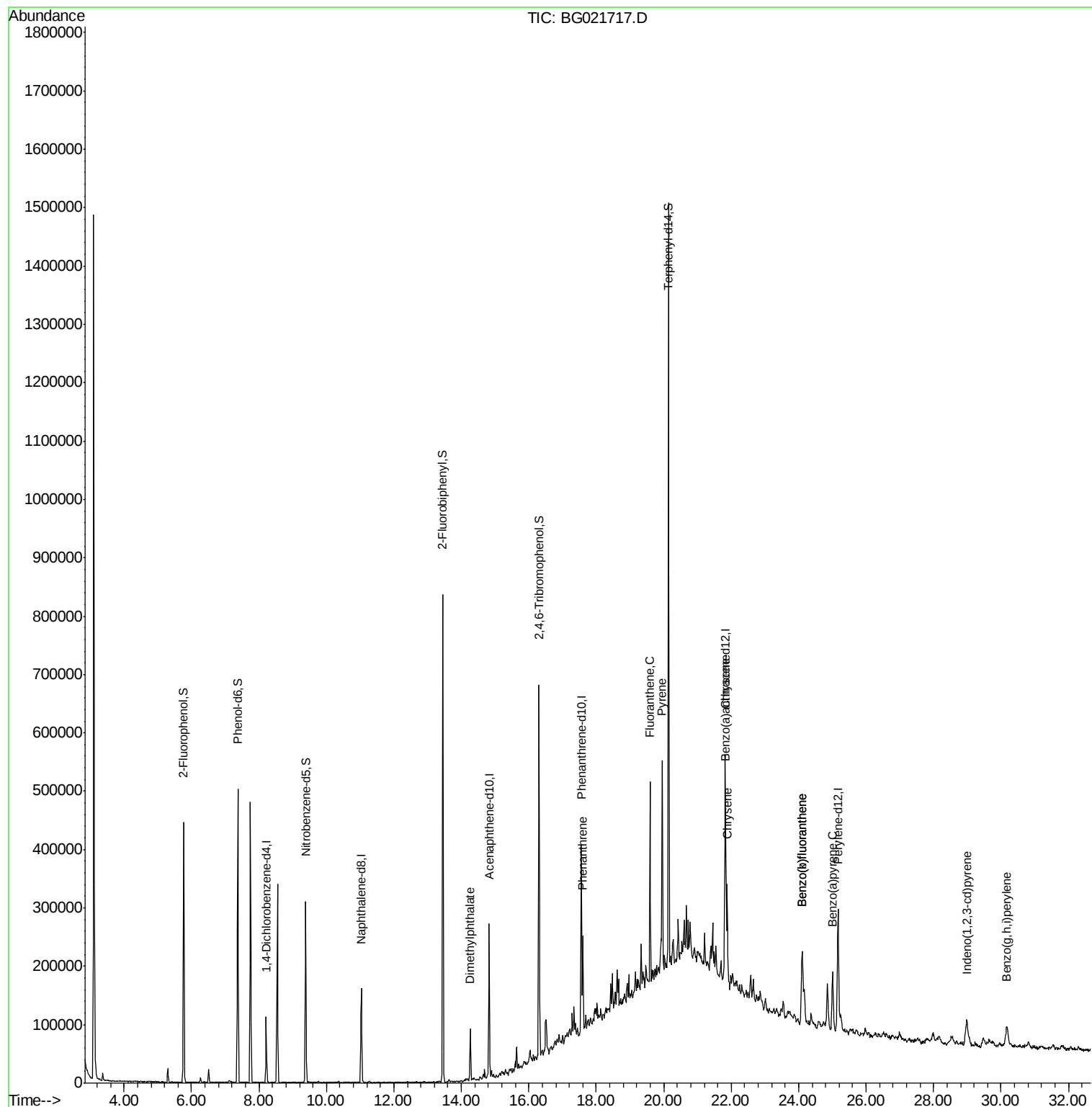
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	30989	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	140001	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	88233	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	195575	20.00	ng	0.00
75) Chrysene-d12	21.83	240	216376	20.00	ng	0.00
86) Perylene-d12	25.17	264	216363	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	200169	107.57	ng	0.01
7) Phenol-d6	7.37	99	305701	109.98	ng	0.01
23) Nitrobenzene-d5	9.38	82	191261	70.22	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	118516	124.63	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	434476	72.15	ng	0.00
78) Terphenyl-d14	20.14	244	565666	65.23	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.27	163	58648	7.69	ng	100
70) Phenanthrene	17.60	178	98730	9.16	ng	96
74) Fluoranthene	19.59	202	206932	16.08	ng	100
77) Pyrene	19.95	202	238207	19.09	ng	100
80) Benzo(a)anthracene	21.81	228	126122	10.13	ng	99
82) Chrysene	21.88	228	130466	10.91	ng	97
85) Indeno(1,2,3-cd)pyrene	28.98	276	71954	5.06	ng	99
87) Benzo(b)fluoranthene	24.10	252	148743	11.85	ng	96
88) Benzo(k)fluoranthene	24.10	252	148743	12.12	ng	96
89) Benzo(a)pyrene	25.01	252	113525	9.33	ng	96
91) Benzo(g,h,i)perylene	30.16	276	74575	6.23	ng	94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 915

Delta R.T. -0.01 min

Lab File: BG021717.D

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Instrument :

BNA_G

ClientSampleId :

POSTEX-25-20160414

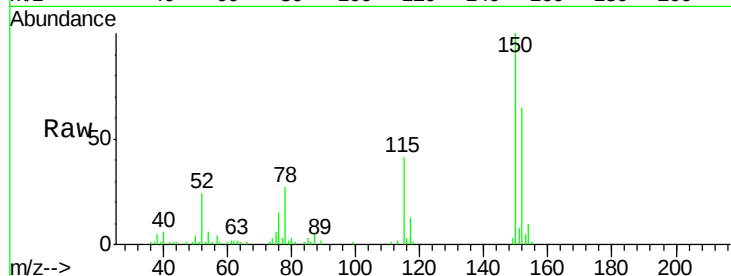
Tgt Ion:152 Resp: 30989

Ion Ratio Lower Upper

152 100

150 153.2 130.1 195.1

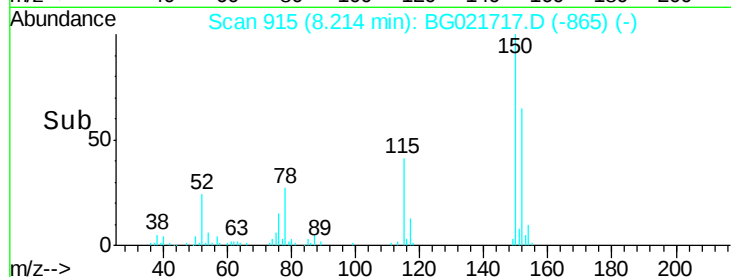
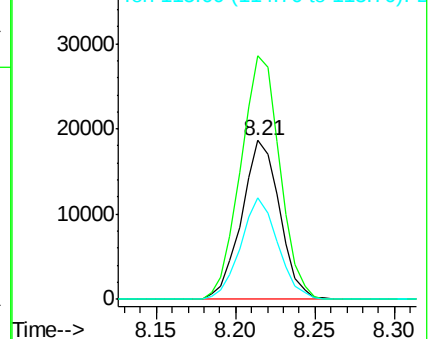
115 63.6 62.2 93.2



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: 107.57 ng

RT: 5.77 min Scan# 499

Delta R.T. 0.01 min

Lab File: BG021717.D

Acq: 16 Apr 2016 14:40

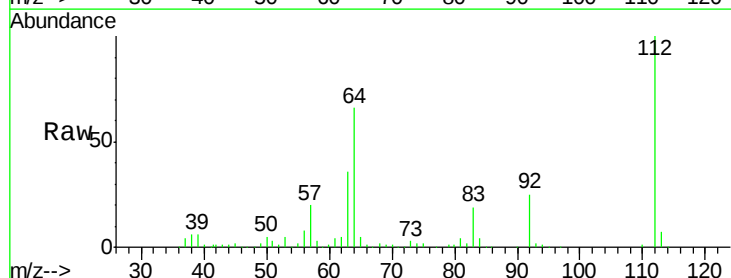
Tgt Ion:112 Resp: 200169

Ion Ratio Lower Upper

112 100

64 66.2 51.1 76.7

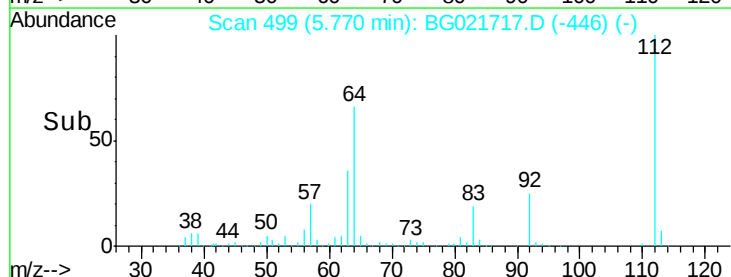
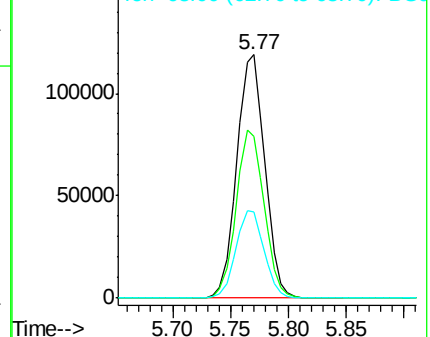
63 35.6 24.6 37.0

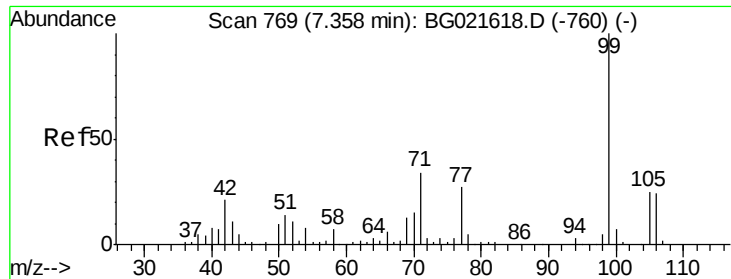


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 109.98 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG021717.D

Acq: 16 Apr 2016 14:40

Instrument :

BNA_G

ClientSampleId :

POSTEX-25-20160414

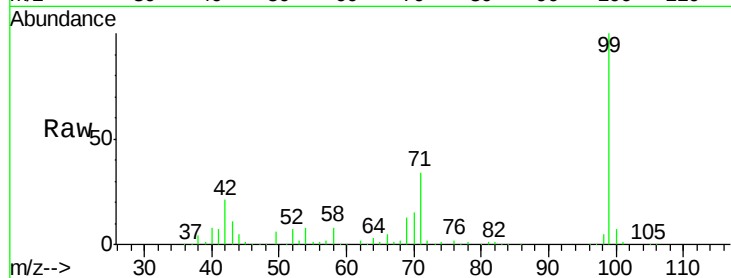
Tgt Ion: 99 Resp: 305701

Ion Ratio Lower Upper

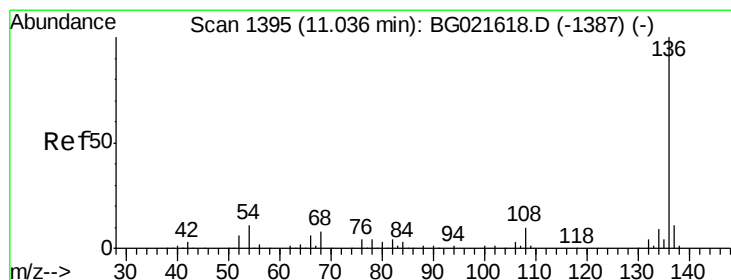
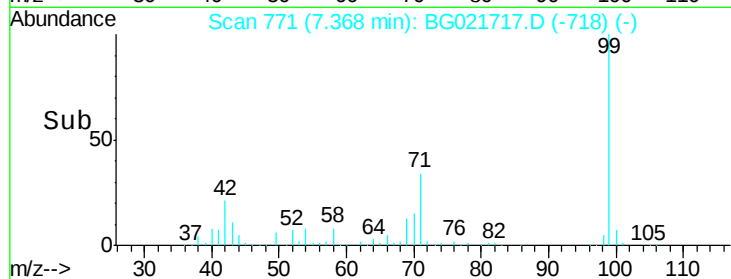
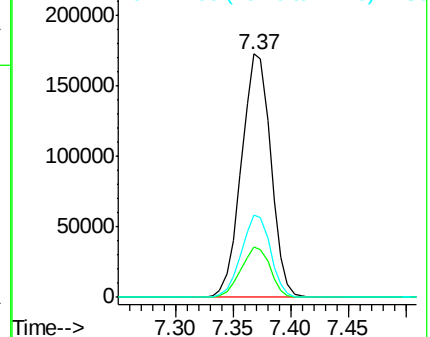
99 100

42 20.6 16.4 24.6

71 33.7 25.0 37.4



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: 11.03 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BG021717.D

Acq: 16 Apr 2016 14:40

Tgt Ion: 136 Resp: 140001

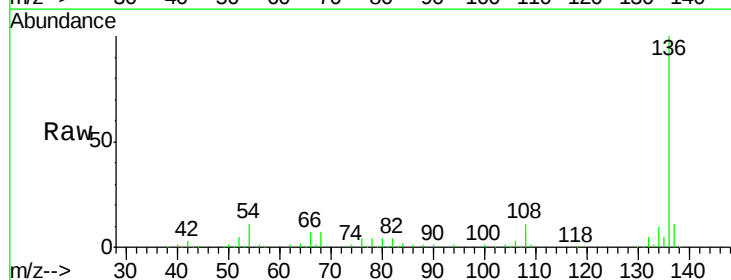
Ion Ratio Lower Upper

136 100

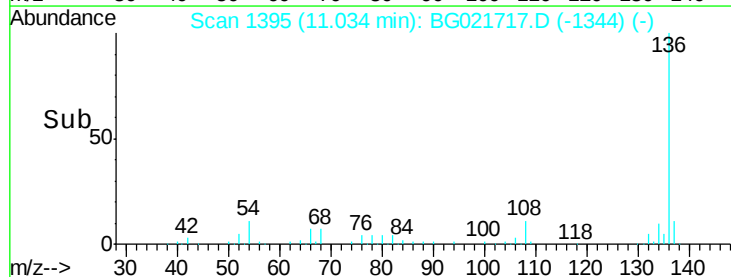
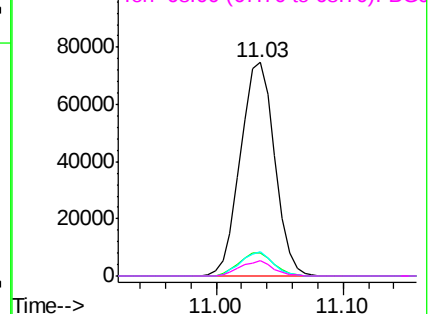
137 11.1 9.0 13.4

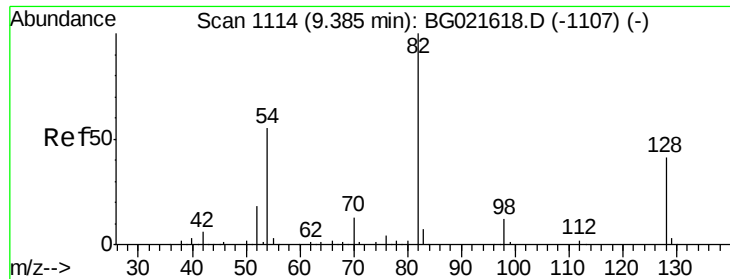
54 11.3 9.6 14.4

68 7.0 6.4 9.6



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

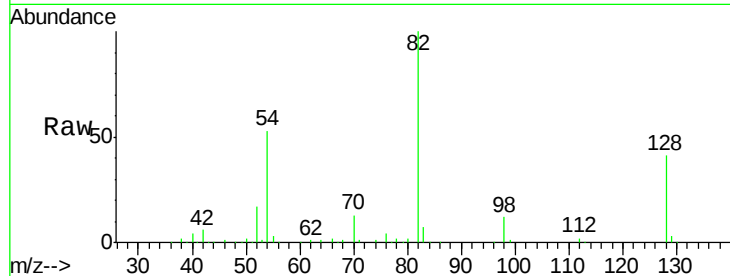




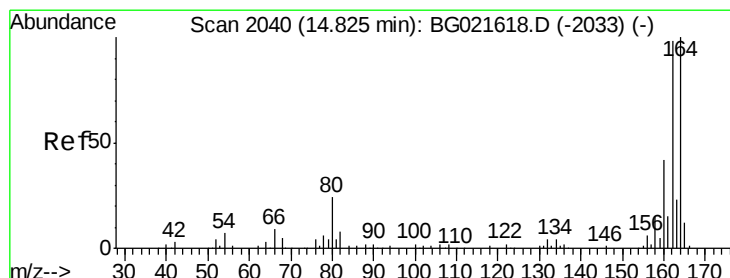
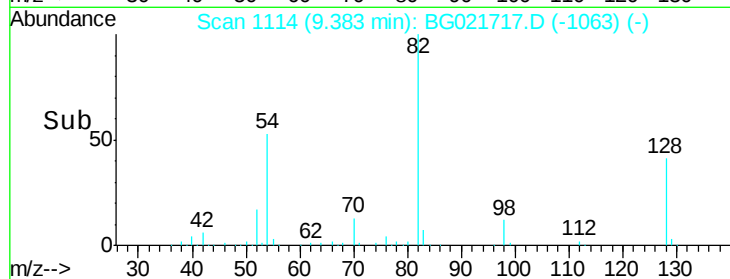
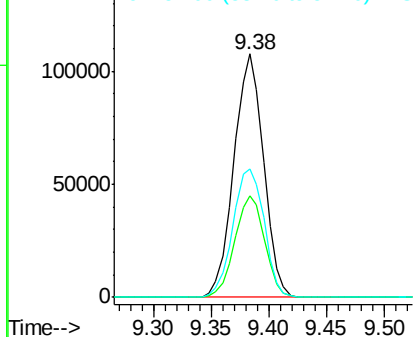
#23
Nitrobenzene-d5
Concen: 70.22 ng
RT: 9.38 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BG021717.D
Acq: 16 Apr 2016 14:40

Instrument :
BNA_G
ClientSampleId :
POSTEX-25-20160414

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.4	50.0
54	52.7	46.1	69.1

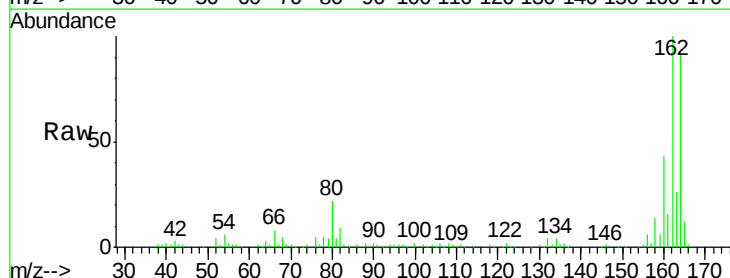


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

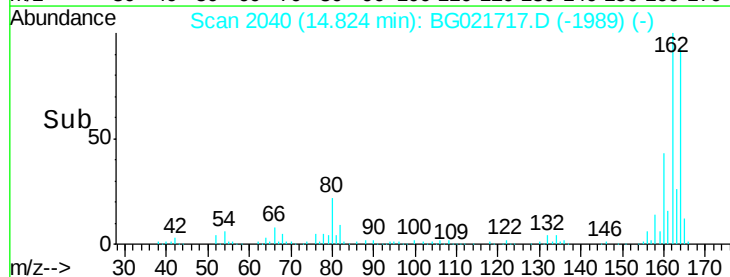
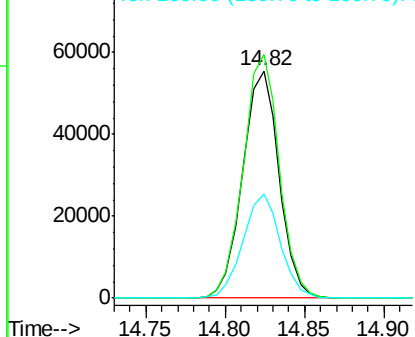


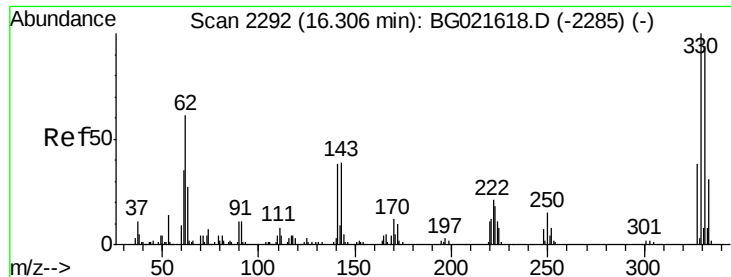
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BG021717.D
Acq: 16 Apr 2016 14:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.3	78.0	117.0
160	45.9	32.9	49.3



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

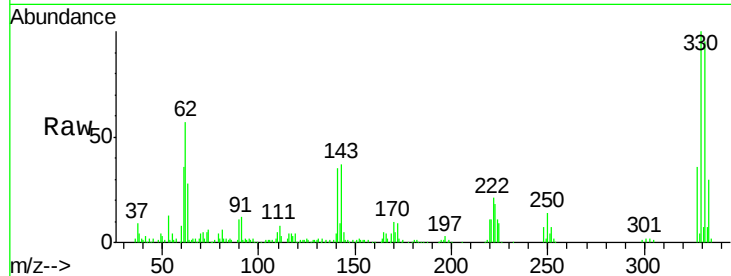




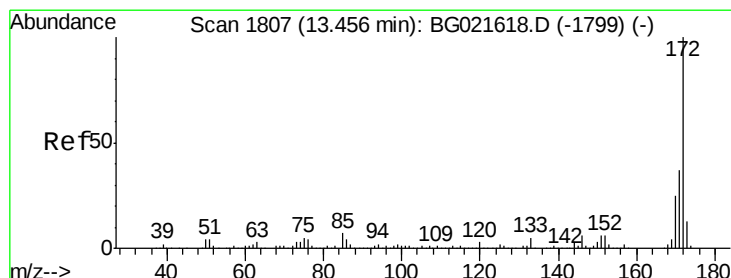
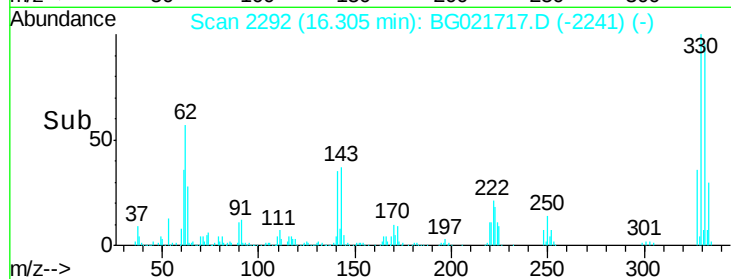
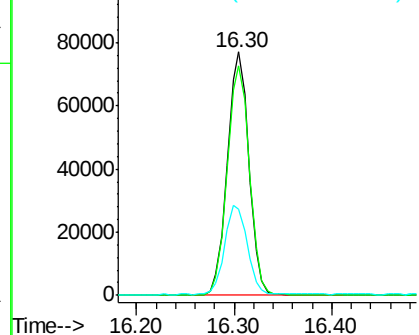
#41
 2,4,6-Tribromophenol
 Concen: 124.63 ng
 RT: 16.30 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: BG021717.D
 Acq: 16 Apr 2016 14:40

Instrument :
 BNA_G
 ClientSampleId :
 POSTEX-25-20160414

Tgt Ion:330 Resp: 118516
 Ion Ratio Lower Upper
 330 100
 332 96.8 78.0 117.0
 141 38.1 33.8 50.8

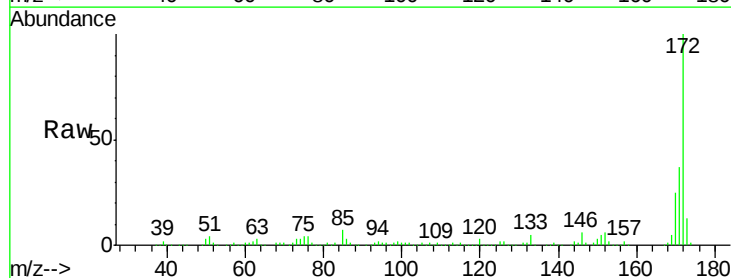


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

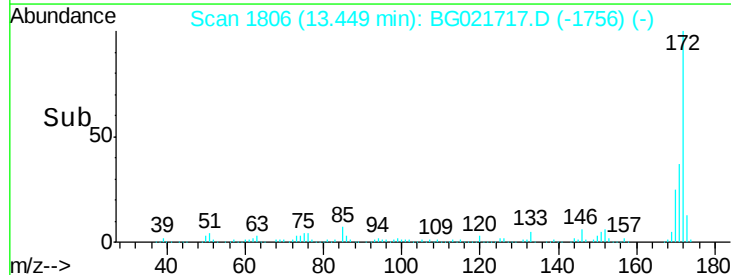
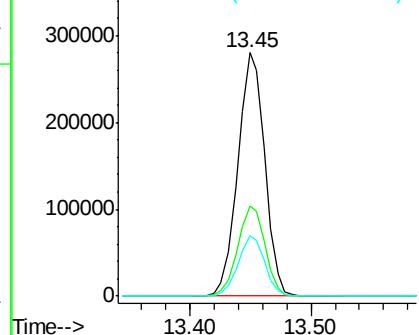


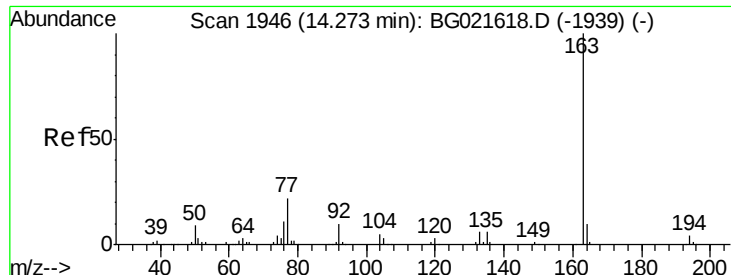
#44
 2-Fluorobiphenyl
 Concen: 72.15 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BG021717.D
 Acq: 16 Apr 2016 14:40

Tgt Ion:172 Resp: 434476
 Ion Ratio Lower Upper
 172 100
 171 37.0 27.8 41.6
 170 25.1 19.6 29.4



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: 7.69 ng

RT: 14.27 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG021717.D

Acq: 16 Apr 2016 14:40

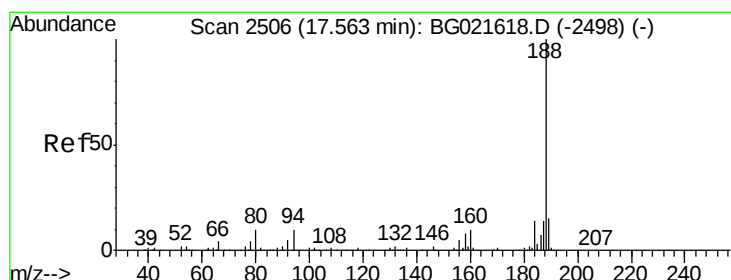
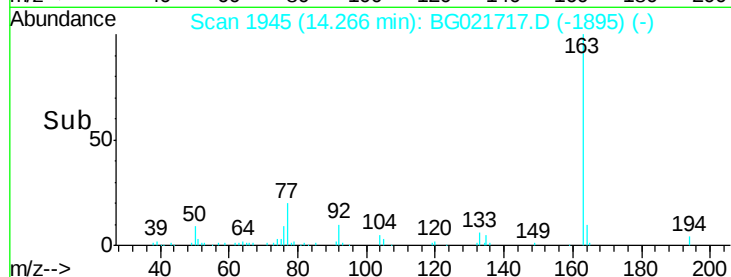
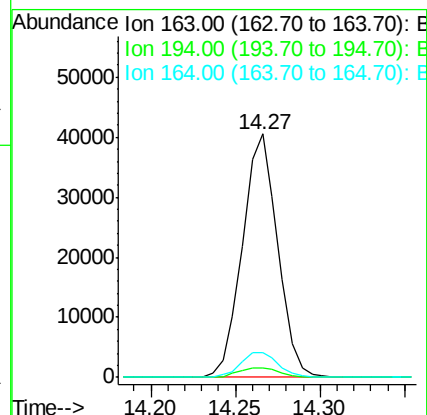
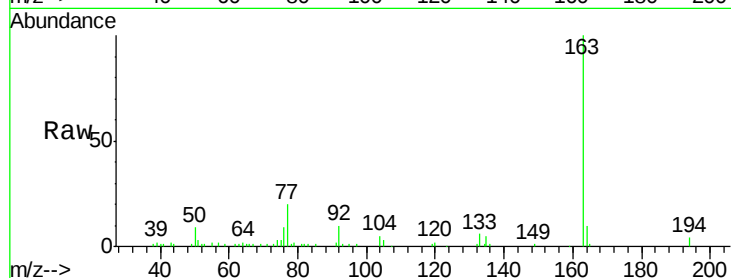
Instrument :

BNA_G

ClientSampleId :

POSTEX-25-20160414

Tgt Ion:	163	Resp:	58648
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.0	8.1	12.1



#63

Phenanthrene-d10

Concen: 20.00 ng

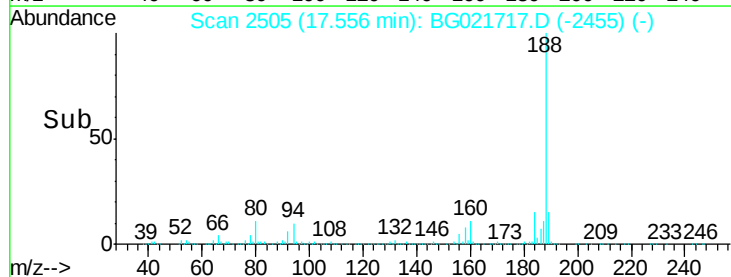
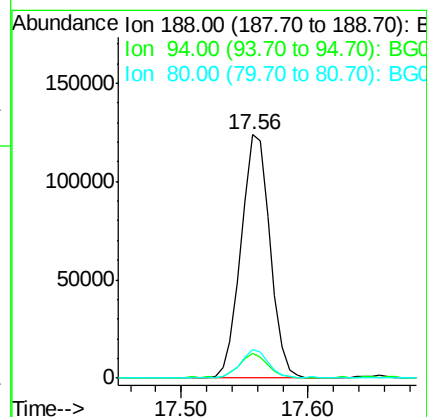
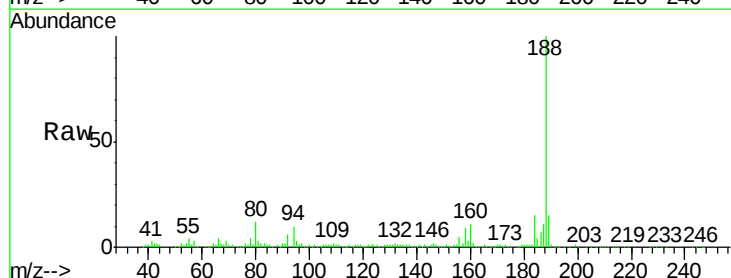
RT: 17.56 min Scan# 2505

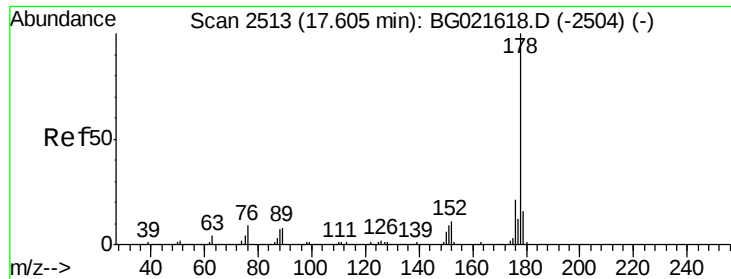
Delta R.T. -0.01 min

Lab File: BG021717.D

Acq: 16 Apr 2016 14:40

Tgt Ion:	188	Resp:	195575
Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.5	11.3
80	11.7	8.6	13.0





#70

Phenanthrene

Concen: 9.16 ng

RT: 17.60 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG021717.D

Acq: 16 Apr 2016 14:40

Instrument :

BNA_G

ClientSampleId :

POSTEX-25-20160414

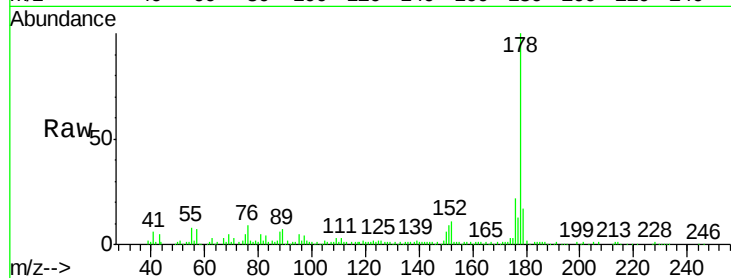
Tgt Ion:178 Resp: 98730

Ion Ratio Lower Upper

178 100

176 21.7 16.2 24.4

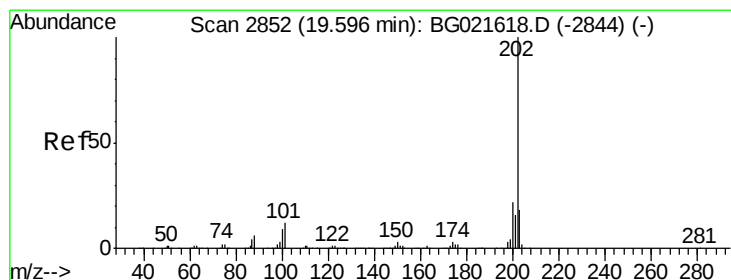
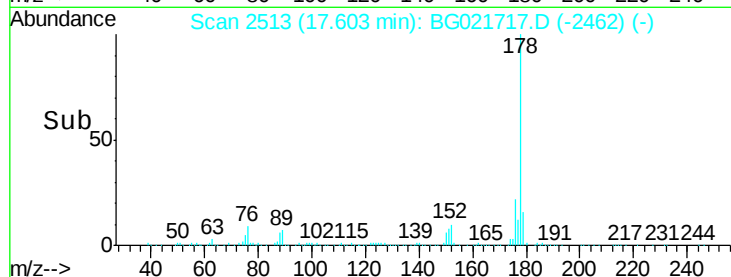
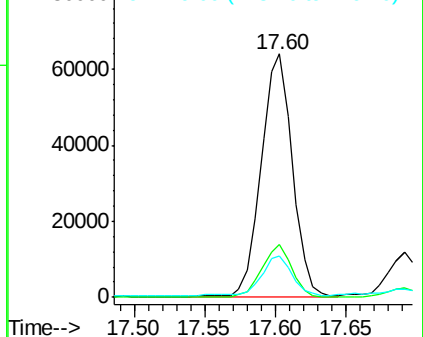
179 16.9 12.0 18.0



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: 16.08 ng

RT: 19.59 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BG021717.D

Acq: 16 Apr 2016 14:40

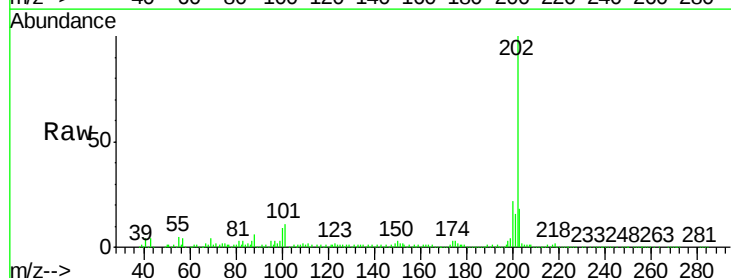
Tgt Ion:202 Resp: 206932

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.0

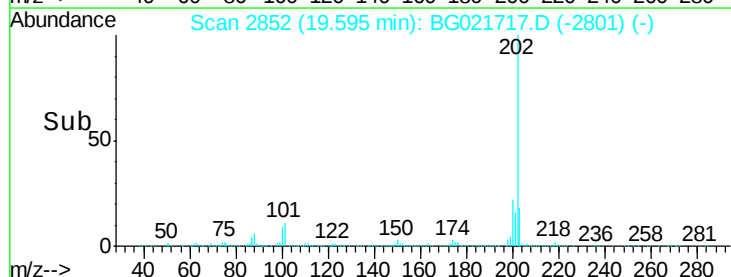
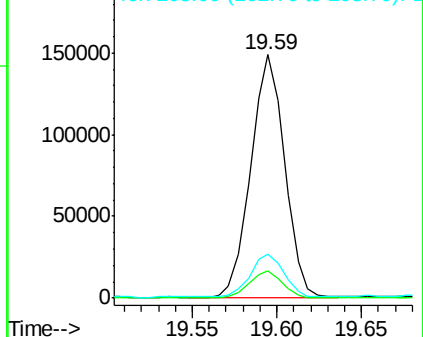
203 17.8 0.0 37.9

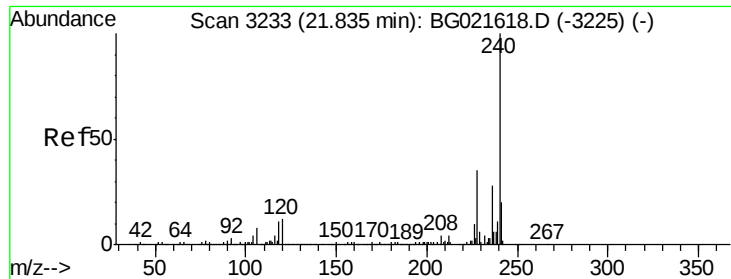


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.83 min Scan# 3233

Delta R.T. -0.00 min

Lab File: BG021717.D

Acq: 16 Apr 2016 14:40

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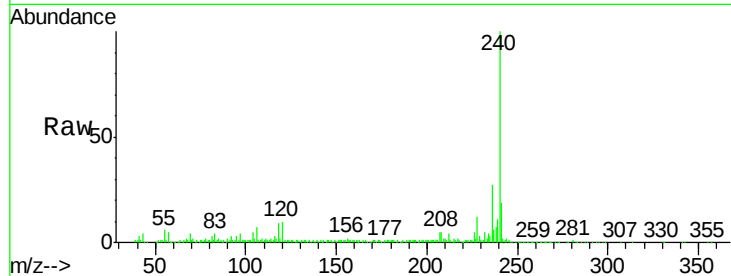
Tgt Ion:240 Resp: 216376

Ion Ratio Lower Upper

240 100

120 10.1 8.4 12.6

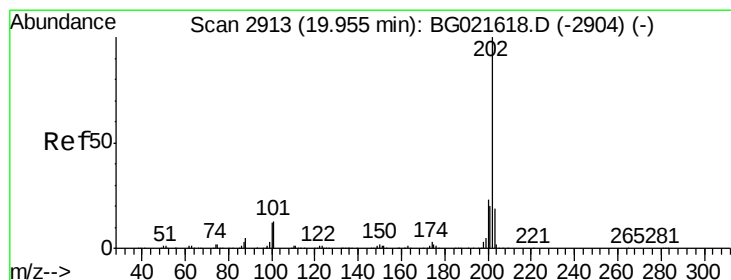
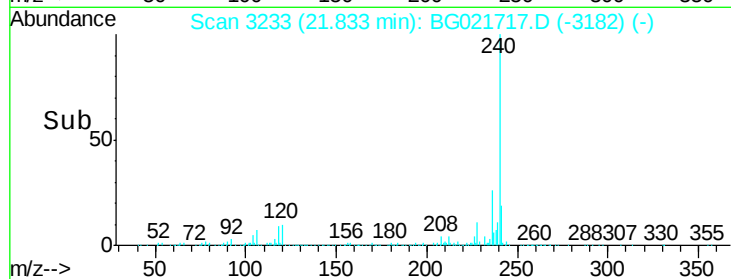
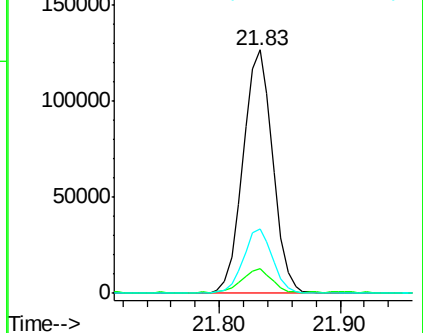
236 26.6 19.6 29.4



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: 19.09 ng

RT: 19.95 min Scan# 2913

Delta R.T. -0.00 min

Lab File: BG021717.D

Acq: 16 Apr 2016 14:40

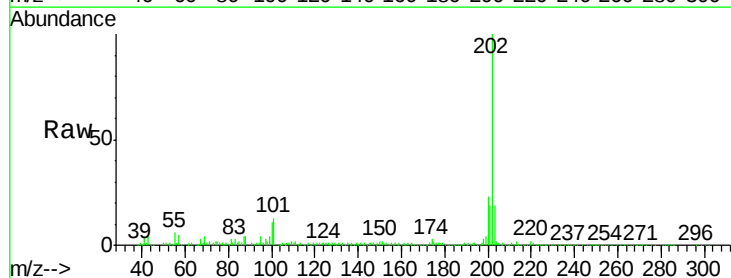
Tgt Ion:202 Resp: 238207

Ion Ratio Lower Upper

202 100

200 22.6 18.2 27.2

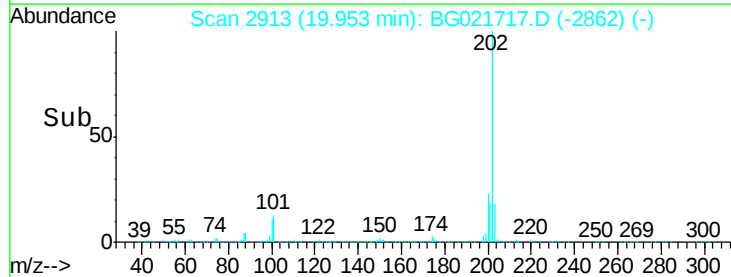
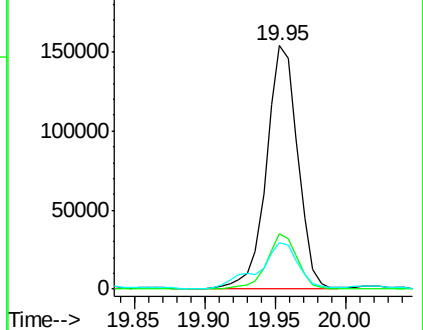
203 18.9 15.0 22.4

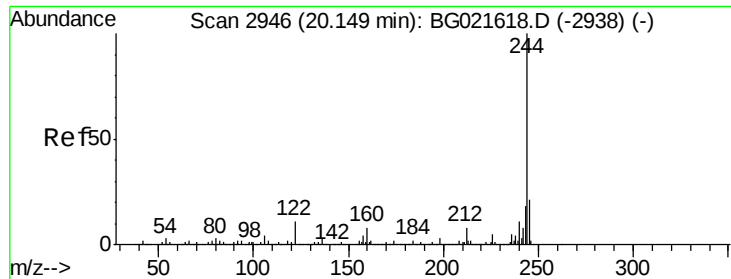


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 65.23 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BG021717.D

Acq: 16 Apr 2016 14:40

Instrument :

BNA_G

ClientSampleId :

POSTEX-25-20160414

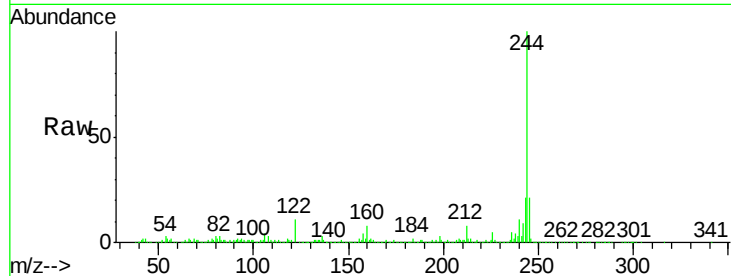
Tgt Ion:244 Resp: 565666

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

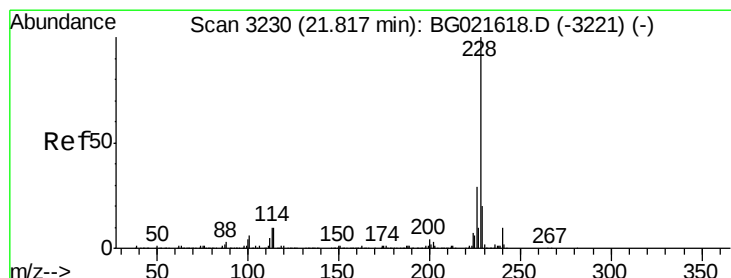
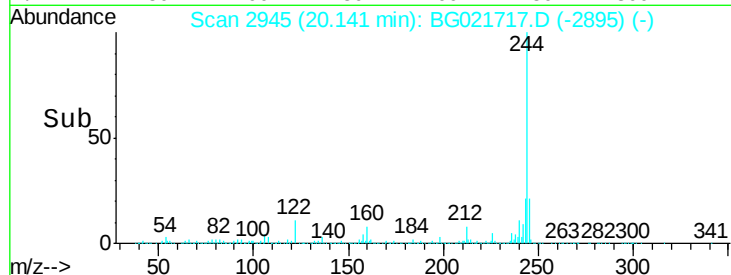
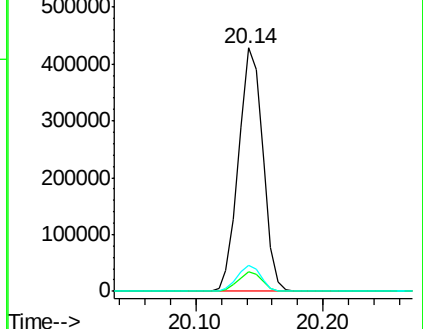
122 10.7 8.6 12.8



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



#80

Benzo(a)anthracene

Concen: 10.13 ng

RT: 21.81 min Scan# 3229

Delta R.T. -0.01 min

Lab File: BG021717.D

Acq: 16 Apr 2016 14:40

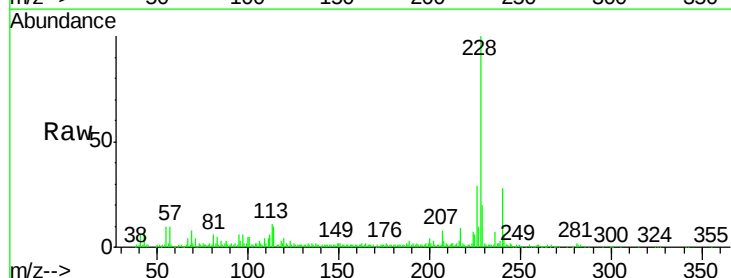
Tgt Ion:228 Resp: 126122

Ion Ratio Lower Upper

228 100

226 29.1 22.6 34.0

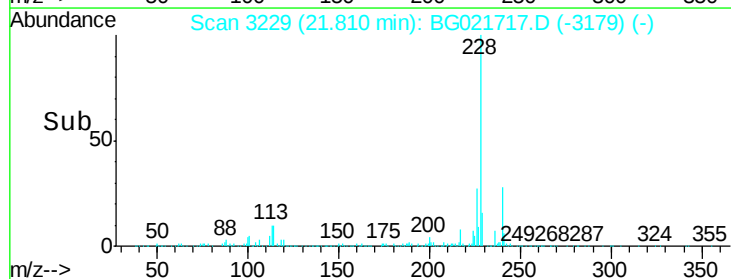
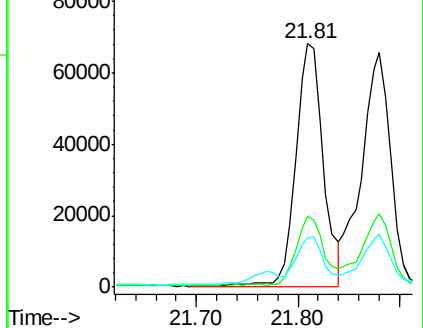
229 20.4 16.1 24.1

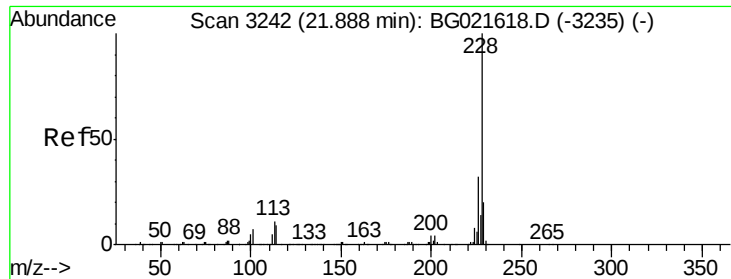


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.91 ng

RT: 21.88 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BG021717.D

Acq: 16 Apr 2016 14:40

Instrument :

BNA_G

ClientSampleId :

POSTEX-25-20160414

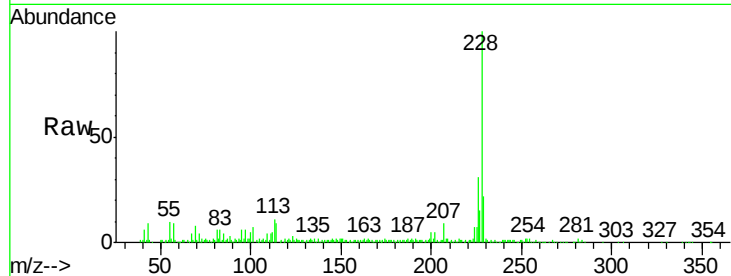
Tgt Ion:228 Resp: 130466

Ion Ratio Lower Upper

228 100

226 31.3 25.4 38.0

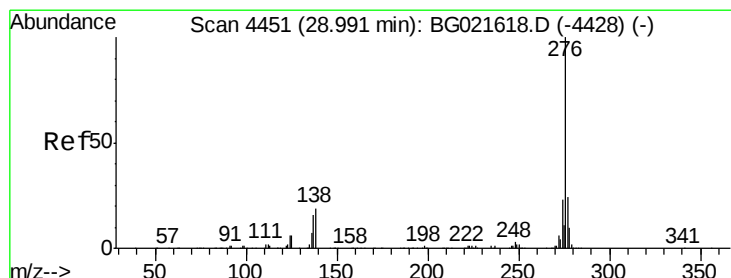
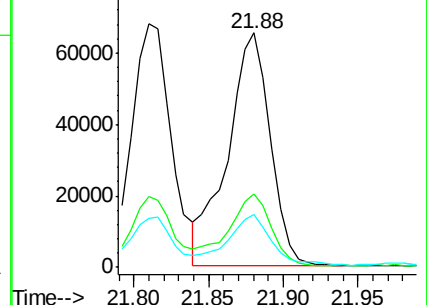
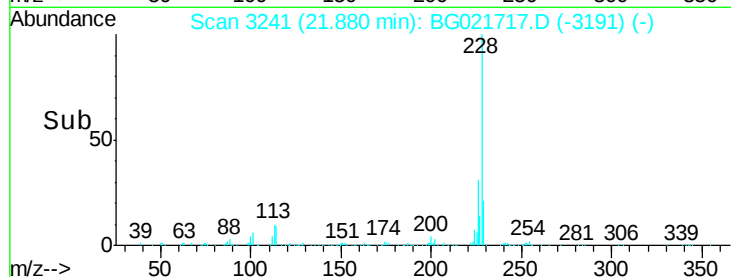
229 22.4 15.9 23.9



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: 5.06 ng

RT: 28.98 min Scan# 4450

Delta R.T. -0.01 min

Lab File: BG021717.D

Acq: 16 Apr 2016 14:40

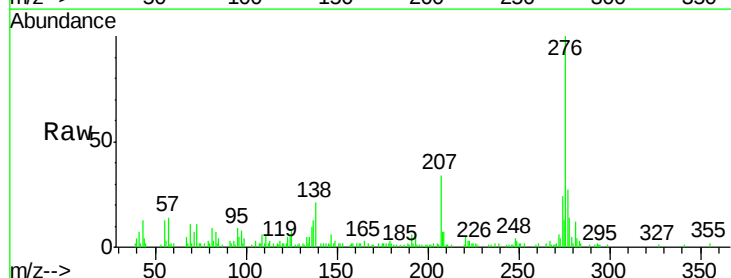
Tgt Ion:276 Resp: 71954

Ion Ratio Lower Upper

276 100

138 17.8 14.0 21.0

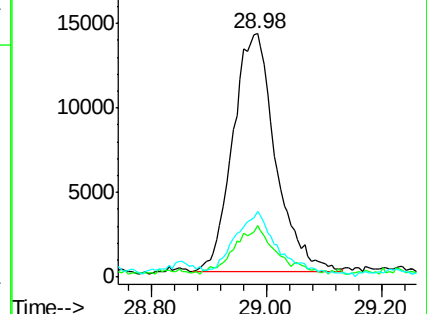
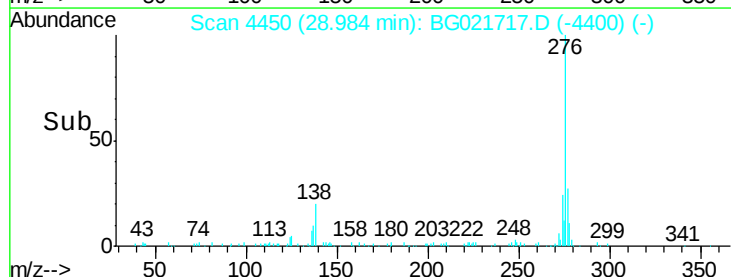
277 24.9 20.6 30.8

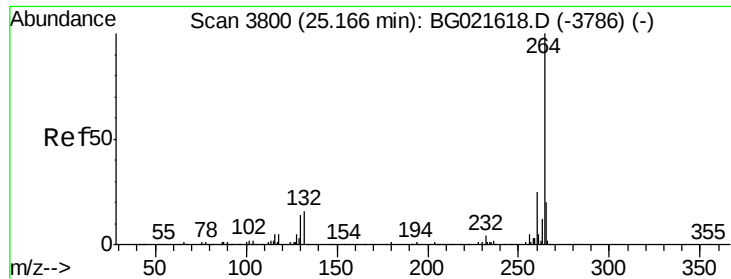


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

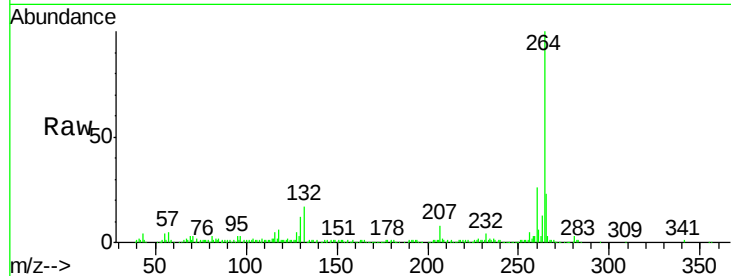




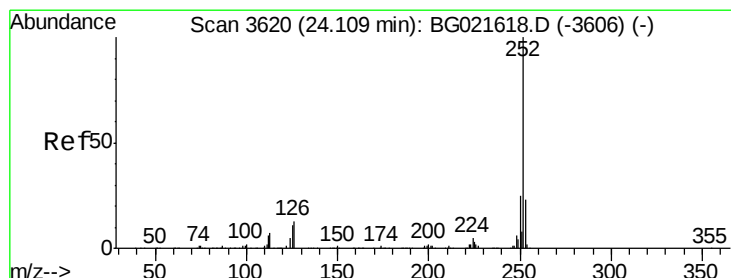
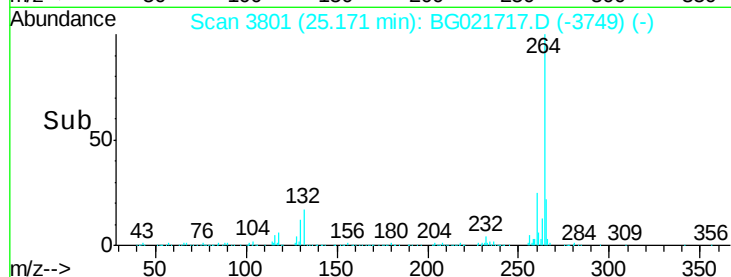
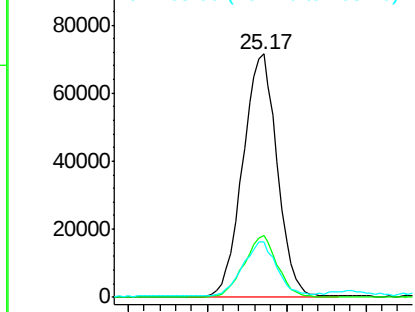
#86
Perylene-d12
Concen: 20.00 ng
RT: 25.17 min Scan# 3801
Delta R.T. 0.00 min
Lab File: BG021717.D
Acq: 16 Apr 2016 14:40

Instrument :
BNA_G
ClientSampleId :
POSTEX-25-20160414

Tgt Ion:264 Resp: 216363
Ion Ratio Lower Upper
264 100
260 25.6 20.2 30.4
265 22.5 17.8 26.8

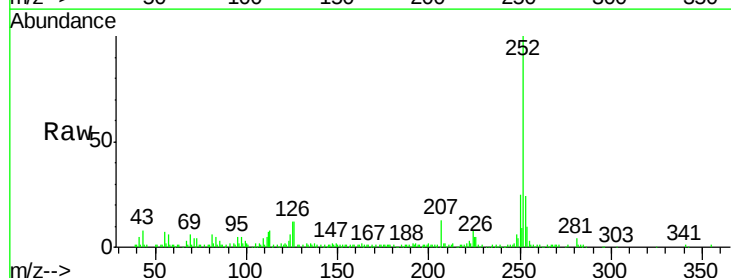


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

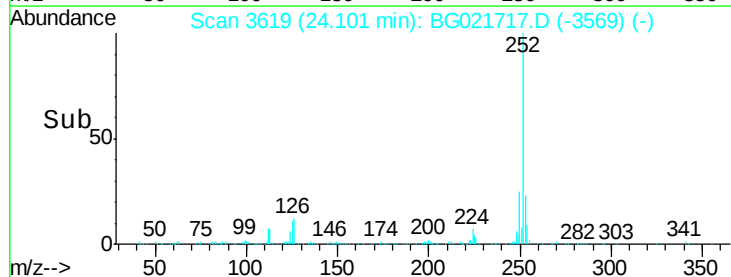
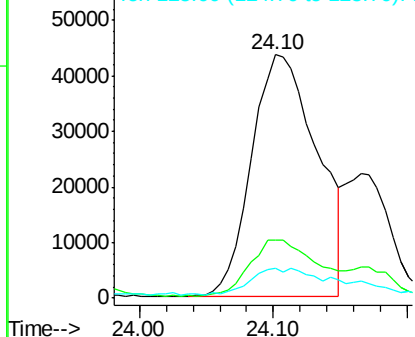


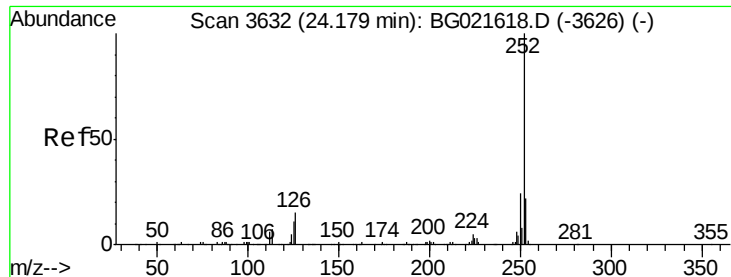
#87
Benzo(b)fluoranthene
Concen: 11.85 ng
RT: 24.10 min Scan# 3619
Delta R.T. -0.01 min
Lab File: BG021717.D
Acq: 16 Apr 2016 14:40

Tgt Ion:252 Resp: 148743
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 12.4 8.6 13.0



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

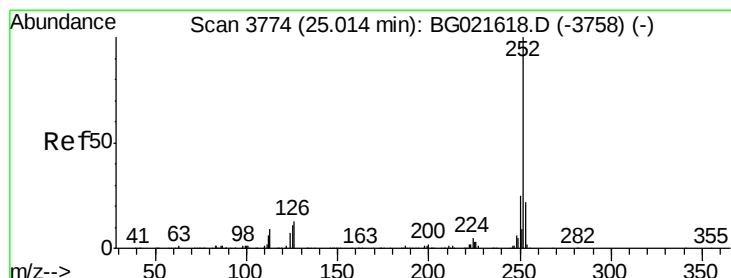
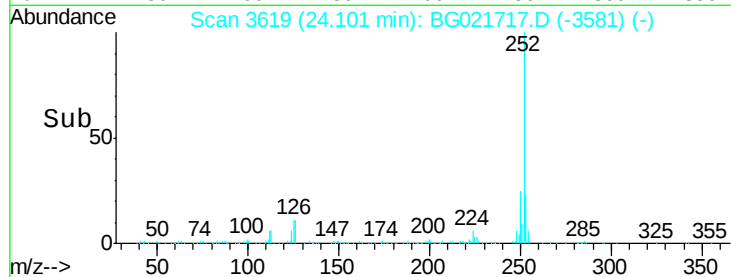
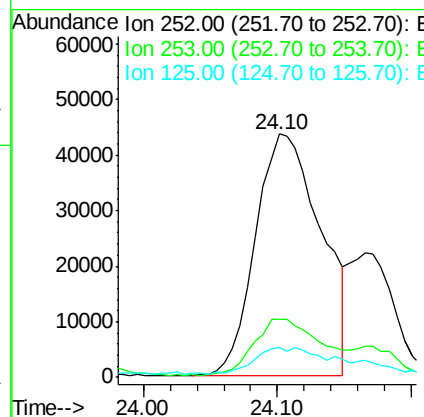
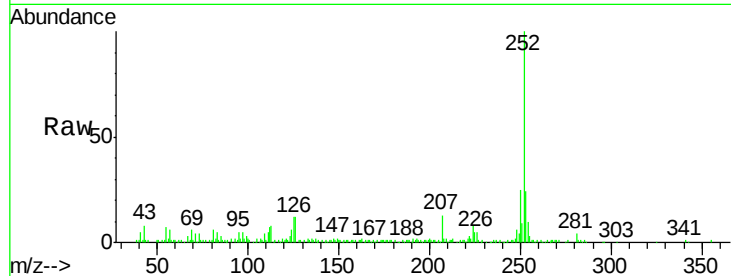




#88
Benzo(k)fluoranthene
Concen: 12.12 ng
RT: 24.10 min Scan# 3619
Delta R.T. -0.08 min
Lab File: BG021717.D
Acq: 16 Apr 2016 14:40

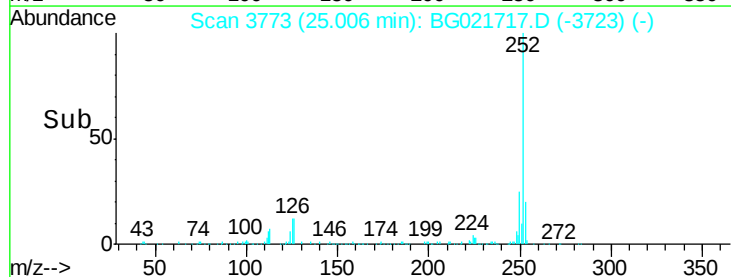
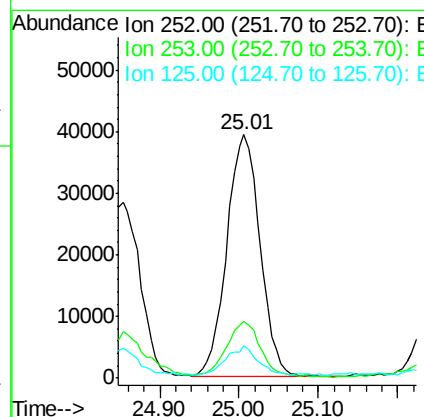
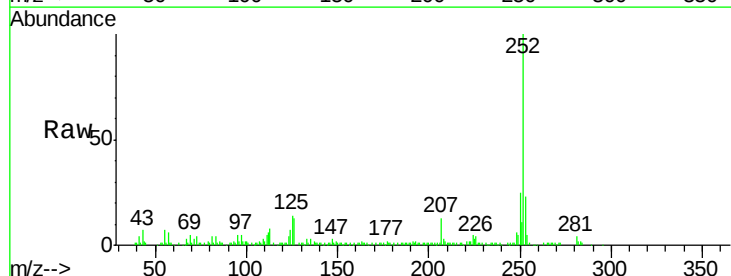
Instrument :
BNA_G
ClientSampleId :
POSTEX-25-20160414

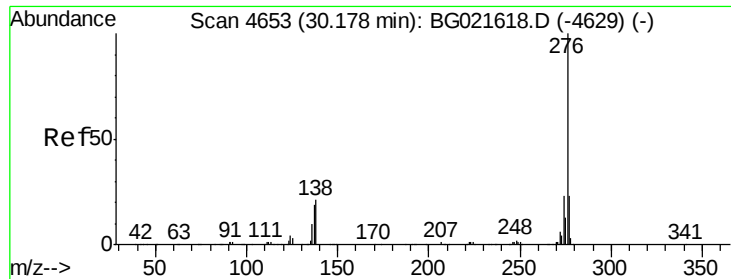
Tgt Ion: 252 Resp: 148743
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 12.4 8.3 12.5



#89
Benzo(a)pyrene
Concen: 9.33 ng
RT: 25.01 min Scan# 3773
Delta R.T. -0.01 min
Lab File: BG021717.D
Acq: 16 Apr 2016 14:40

Tgt Ion: 252 Resp: 113525
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 13.5 9.6 14.4





#91
 Benzo(g,h,i)perylene
 Concen: 6.23 ng
 RT: 30.16 min Scan# 4651
 Delta R.T. -0.01 min
 Lab File: BG021717.D
 Acq: 16 Apr 2016 14:40

Instrument :
 BNA_G
 ClientSampleId :
 POSTEX-25-20160414

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.7	19.4	29.2
138	17.4	17.4	26.0

