

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
 Data File : BG018023.D
 Acq On : 21 Jul 2015 15:03
 Operator : TP/UM
 Sample : G2954-03 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TEC-E3

Quant Time: Jul 22 02:25:27 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 01:57:03 2015
 Response via : Initial Calibration

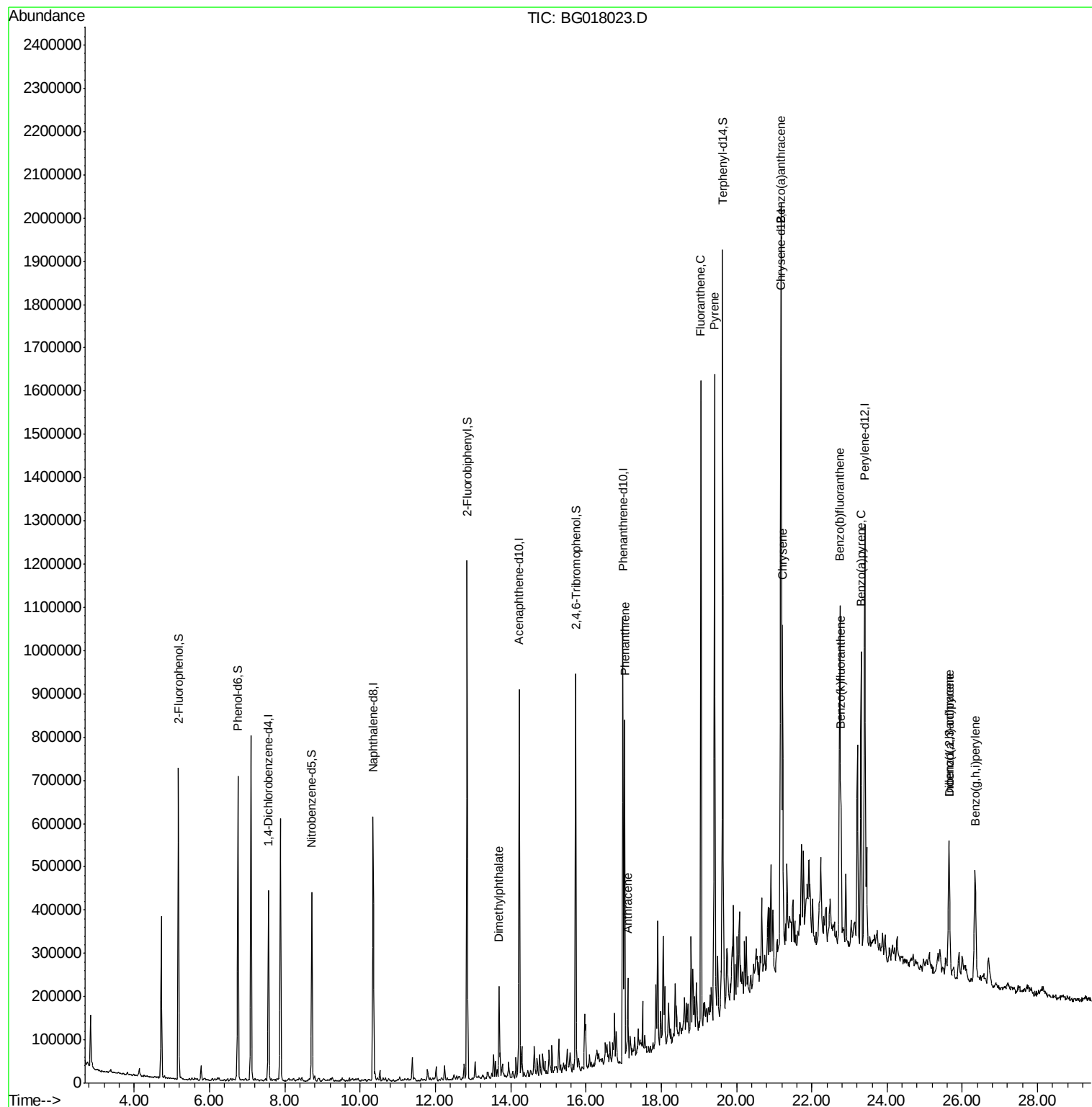
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	124848	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	520988	20.00	ng	0.00
38) Acenaphthene-d10	14.23	164	310682	20.00	ng	0.00
63) Phenanthrene-d10	16.99	188	601748	20.00	ng	0.00
75) Chrysene-d12	21.19	240	642692	20.00	ng	0.00
86) Perylene-d12	23.41	264	673521	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	331138	46.27	ng	0.00
7) Phenol-d6	6.76	99	438775	46.80	ng	0.00
23) Nitrobenzene-d5	8.72	82	255717	31.79	ng	0.00
41) 2,4,6-Tribromophenol	15.73	330	167557	53.23	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	615934	34.36	ng	0.00
78) Terphenyl-d14	19.63	244	775079	30.38	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	13.70	163	141105	6.54	ng	99
70) Phenanthrene	17.03	178	450821	14.52	ng	99
71) Anthracene	17.11	178	114399	3.79	ng	99
74) Fluoranthene	19.05	202	879363	25.88	ng	98
77) Pyrene	19.42	202	866265	24.17	ng	98
80) Benzo(a)anthracene	21.17	228	485638	14.31	ng	98
82) Chrysene	21.23	228	456279	14.11	ng	96
85) Indeno(1,2,3-cd)pyrene	25.65	276	304905	7.80	ng	# 91
87) Benzo(b)fluoranthene	22.74	252	643175m	17.45	ng	
88) Benzo(k)fluoranthene	22.78	252	212910m	5.79	ng	
89) Benzo(a)pyrene	23.31	252	471853	13.74	ng	97
90) Dibenzo(a,h)anthracene	25.65	278	79899	2.24	ng	# 71
91) Benzo(g,h,i)perylene	26.33	276	316753	9.23	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.57 min Scan# 830

Delta R.T. 0.00 min

Lab File: BG018023.D

Acq: 21 Jul 2015 15:03

Instrument :

BNA_G

ClientSampleId :

TEC-E3

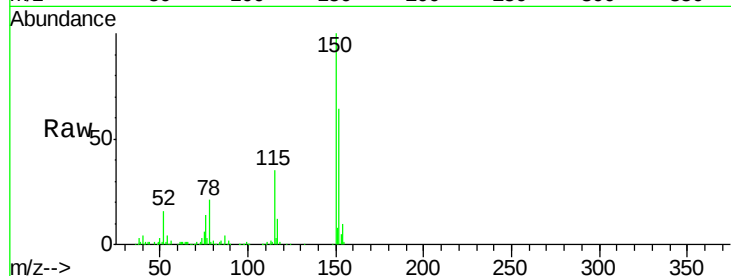
Tgt Ion:152 Resp: 124848

Ion Ratio Lower Upper

152 100

150 157.2 119.1 178.7

115 55.3 47.0 70.4



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

150000

100000

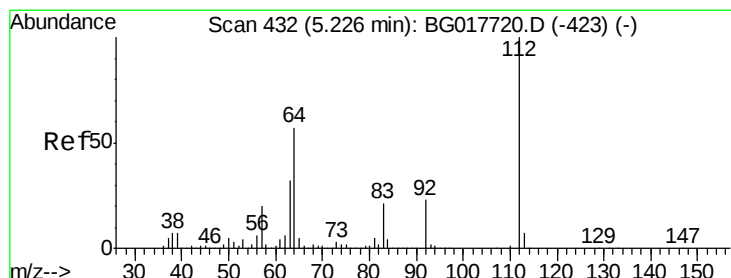
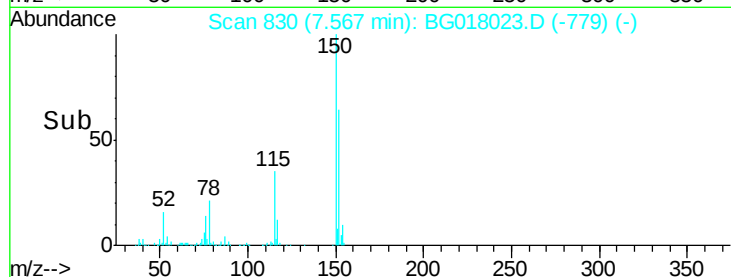
50000

0

7.57

7.50 7.55 7.60 7.65

Time-->



#5

2-Fluorophenol

Concen: 46.27 ng

RT: 5.18 min Scan# 423

Delta R.T. 0.00 min

Lab File: BG018023.D

Acq: 21 Jul 2015 15:03

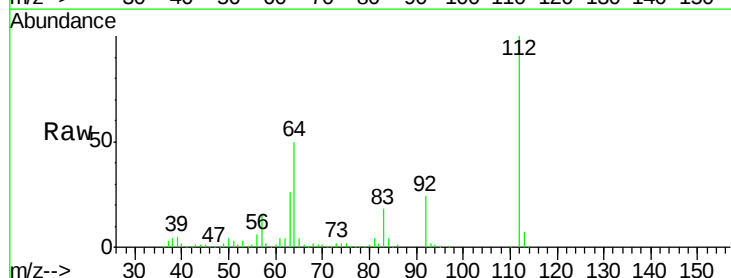
Tgt Ion:112 Resp: 331138

Ion Ratio Lower Upper

112 100

64 49.9 45.4 68.0

63 26.4 25.3 37.9



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

300000

250000

200000

150000

100000

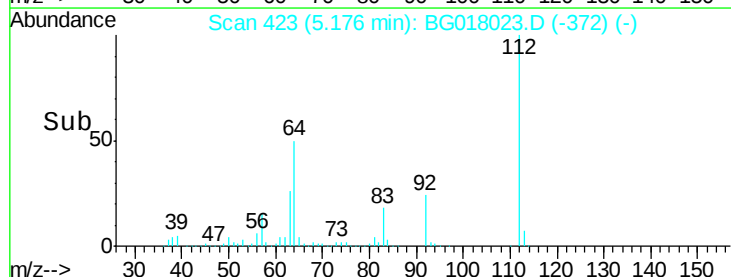
50000

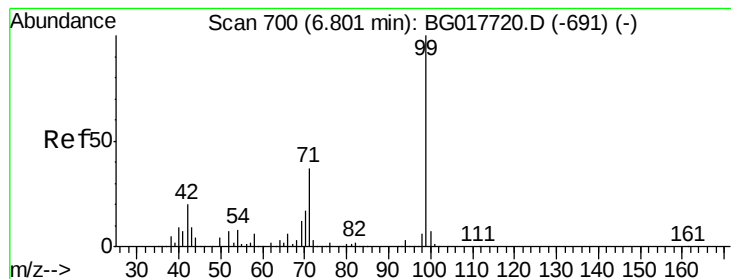
0

5.18

5.10 5.15 5.20 5.25 5.30

Time-->





#7

Phenol-d6

Concen: 46.80 ng

RT: 6.76 min Scan# 692

Delta R.T. 0.00 min

Lab File: BG018023.D

Acq: 21 Jul 2015 15:03

Instrument :

BNA_G

ClientSampleId :

TEC-E3

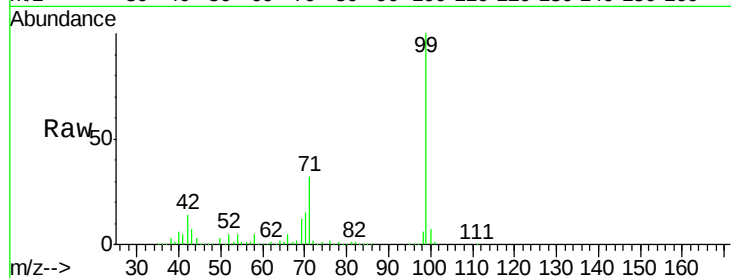
Tgt Ion: 99 Resp: 438775

Ion Ratio Lower Upper

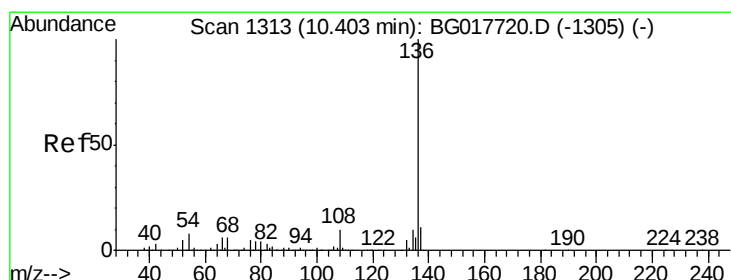
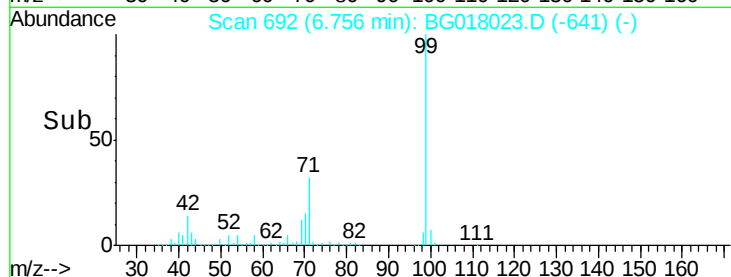
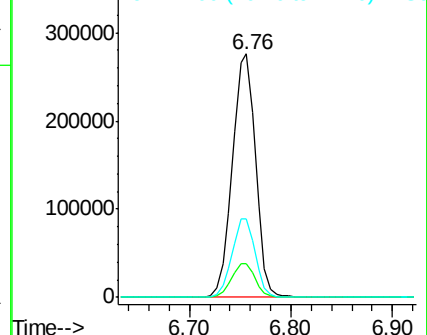
99 100

42 13.9 16.2 24.4#

71 32.4 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: 10.35 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BG018023.D

Acq: 21 Jul 2015 15:03

Tgt Ion: 136 Resp: 520988

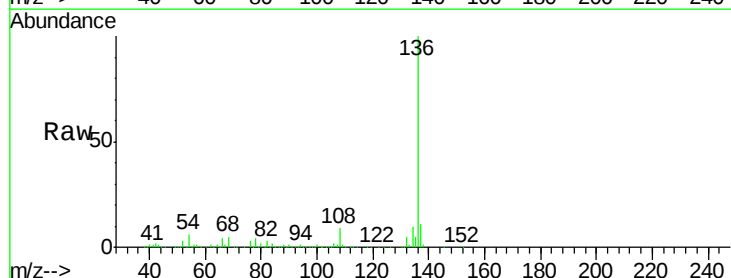
Ion Ratio Lower Upper

136 100

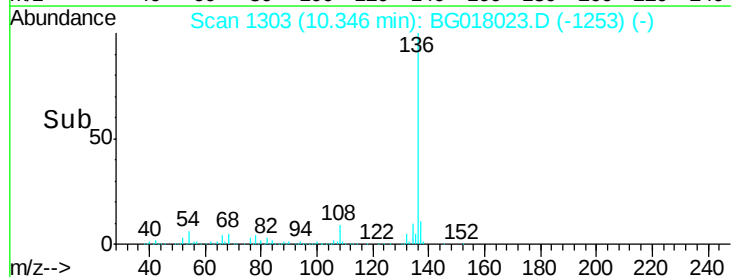
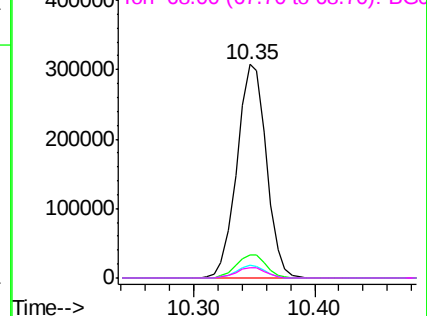
137 11.1 8.8 13.2

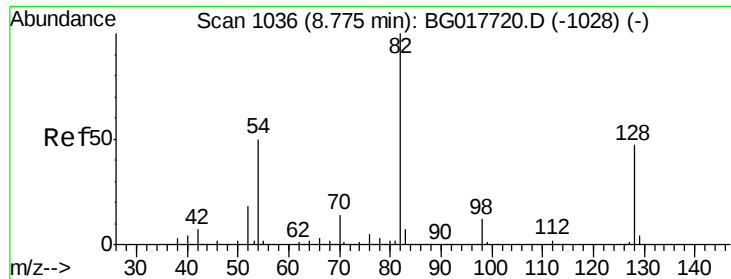
54 5.9 6.6 9.8#

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

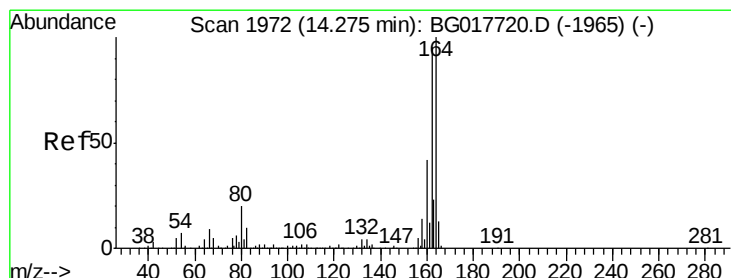
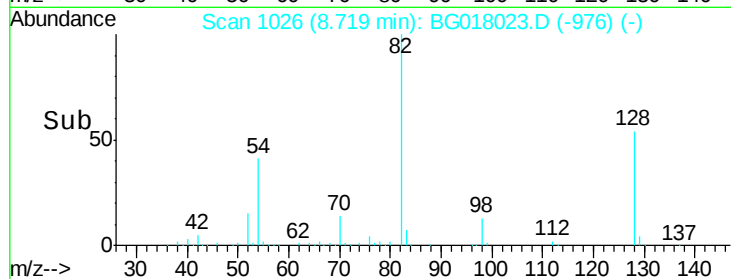
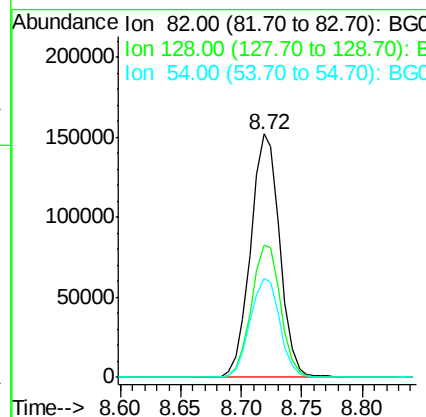
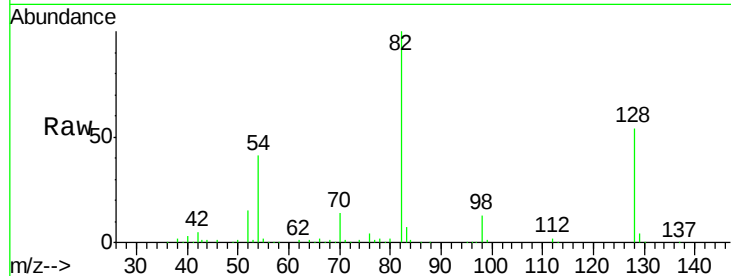




#23
 Nitrobenzene-d5
 Concen: 31.79 ng
 RT: 8.72 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: BG018023.D
 Acq: 21 Jul 2015 15:03

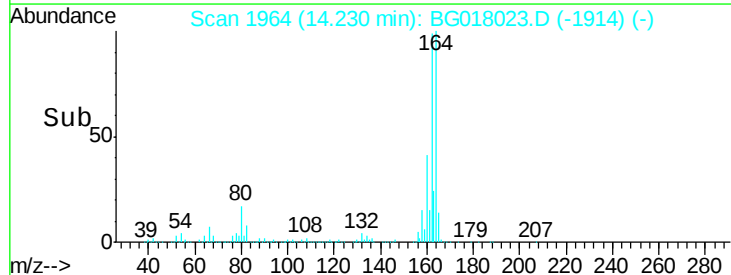
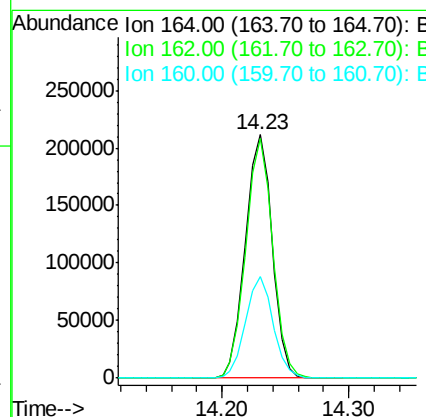
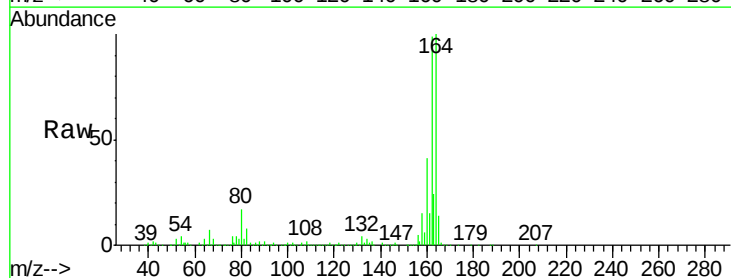
Instrument :
 BNA_G
 ClientSampleId :
 TEC-E3

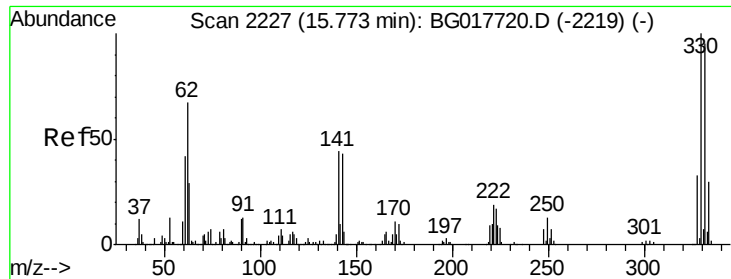
Tgt Ion	Ratio	Lower	Upper
82	100		
128	54.3	37.8	56.6
54	40.8	39.9	59.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.23 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: BG018023.D
 Acq: 21 Jul 2015 15:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.5	76.3	114.5
160	41.5	33.7	50.5

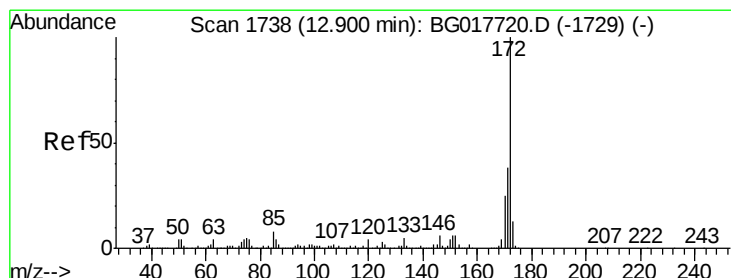
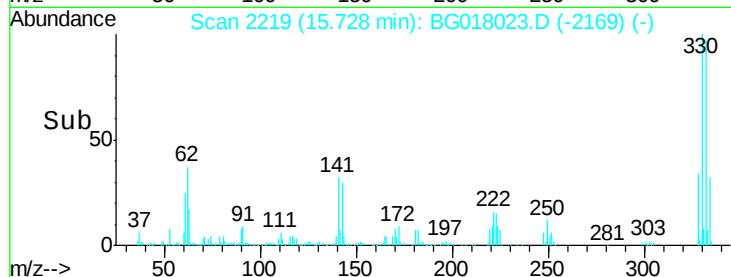
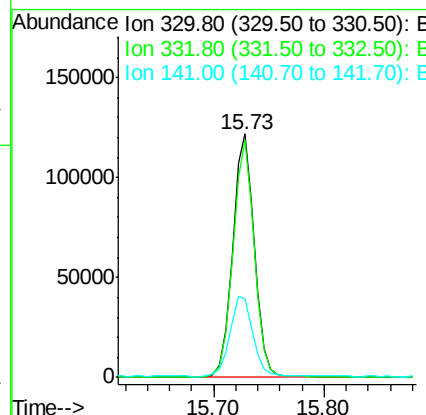
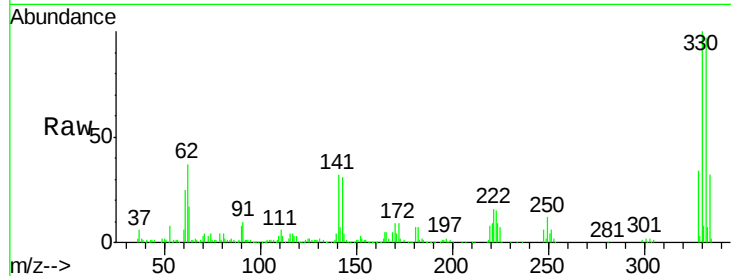




#41
 2,4,6-Tribromophenol
 Concen: 53.23 ng
 RT: 15.73 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: BG018023.D
 Acq: 21 Jul 2015 15:03

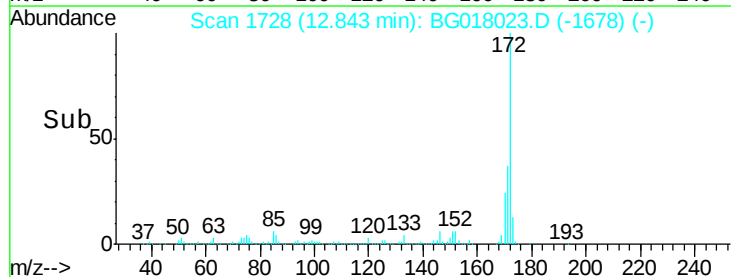
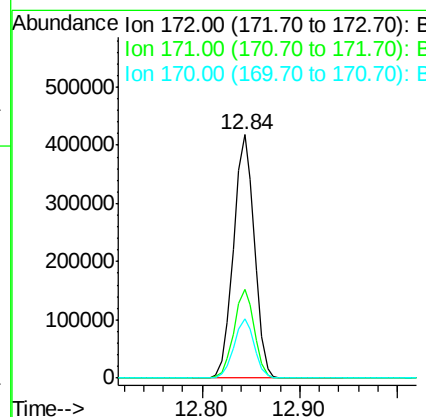
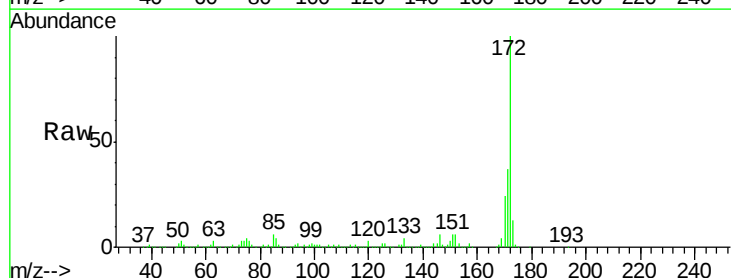
Instrument :
 BNA_G
 ClientSampleId :
 TEC-E3

Tgt Ion:330 Resp: 167557
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.8 115.2
 141 35.3 38.0 57.0#



#44
 2-Fluorobiphenyl
 Concen: 34.36 ng
 RT: 12.84 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG018023.D
 Acq: 21 Jul 2015 15:03

Tgt Ion:172 Resp: 615934
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.7 46.1
 170 24.2 19.7 29.5





#49

Dimethylphthalate

Concen: 6.54 ng

RT: 13.70 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BG018023.D

Acq: 21 Jul 2015 15:03

Instrument :

BNA_G

ClientSampleId :

TEC-E3

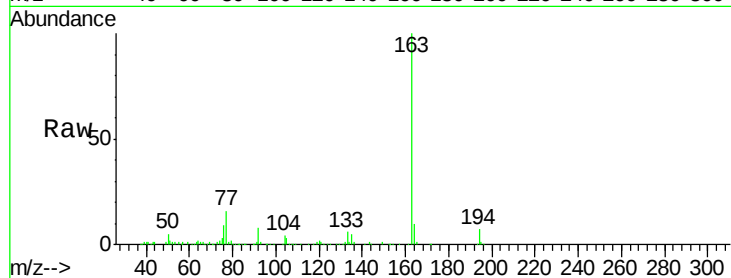
Tgt Ion:163 Resp: 141105

Ion Ratio Lower Upper

163 100

194 7.2 5.8 8.6

164 9.8 8.3 12.5



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

120000

100000

80000

60000

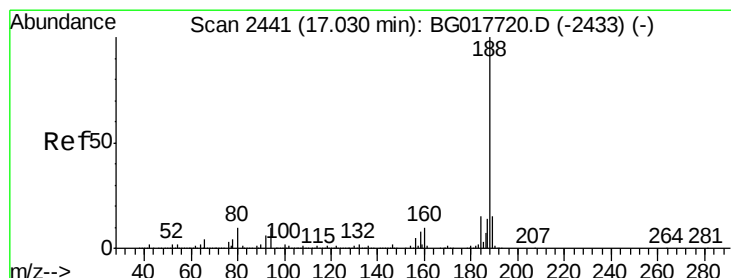
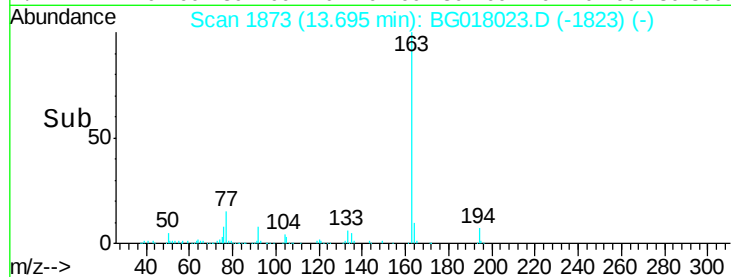
40000

20000

0

13.65 13.70 13.75

Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 16.99 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BG018023.D

Acq: 21 Jul 2015 15:03

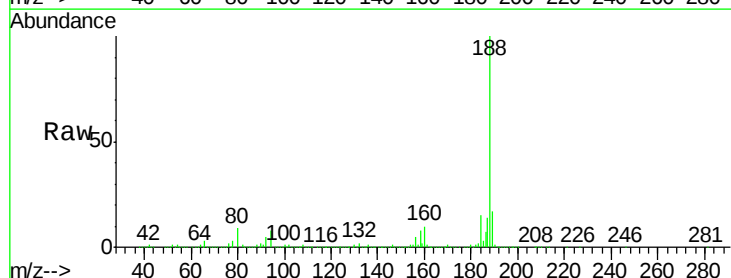
Tgt Ion:188 Resp: 601748

Ion Ratio Lower Upper

188 100

94 8.5 8.2 12.2

80 8.6 8.2 12.4



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

500000

400000

300000

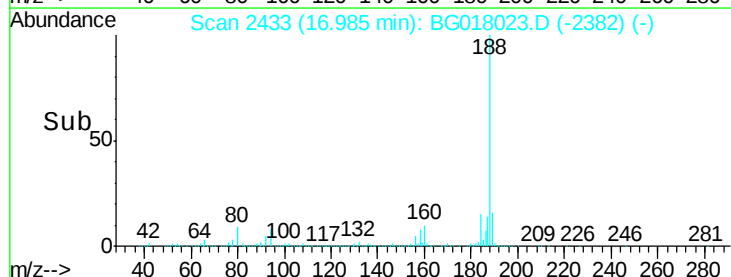
200000

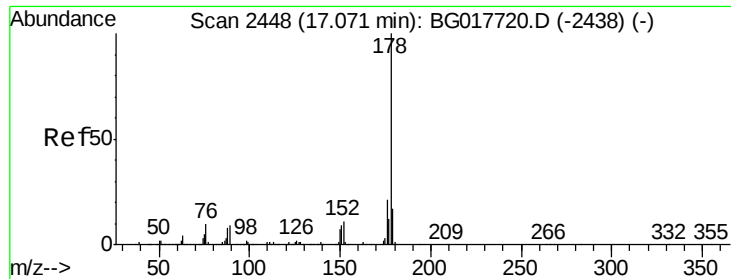
100000

0

16.90 16.95 17.00 17.05

Time-->





#70

Phenanthrene

Concen: 14.52 ng

RT: 17.03 min Scan# 2440

Delta R.T. 0.00 min

Lab File: BG018023.D

Acq: 21 Jul 2015 15:03

Instrument :

BNA_G

ClientSampleId :

TEC-E3

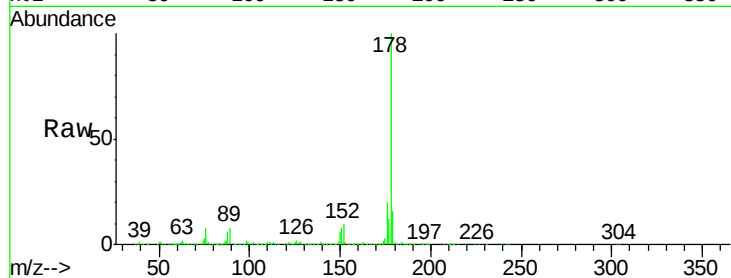
Tgt Ion:178 Resp: 450821

Ion Ratio Lower Upper

178 100

176 20.2 16.5 24.7

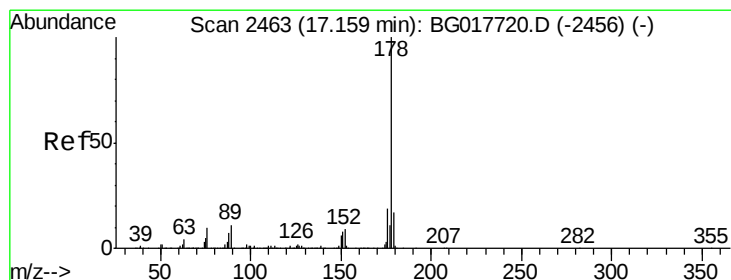
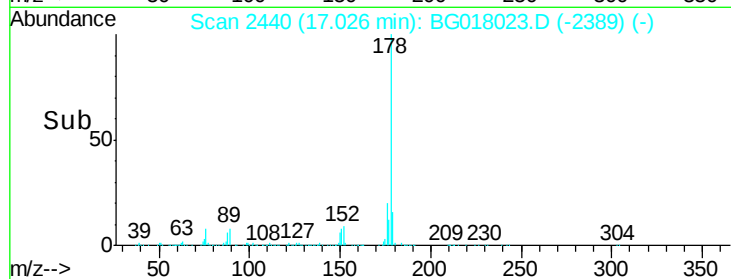
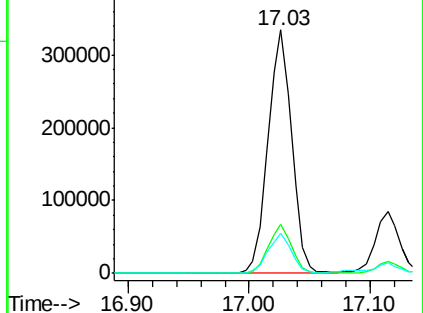
179 16.2 13.5 20.3



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: 3.79 ng

RT: 17.11 min Scan# 2455

Delta R.T. -0.00 min

Lab File: BG018023.D

Acq: 21 Jul 2015 15:03

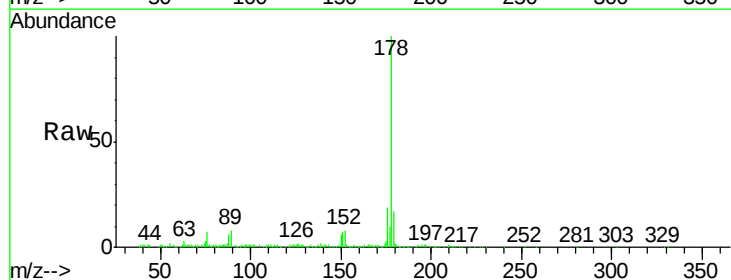
Tgt Ion:178 Resp: 114399

Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

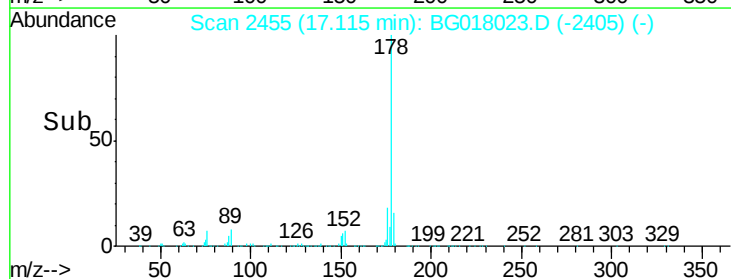
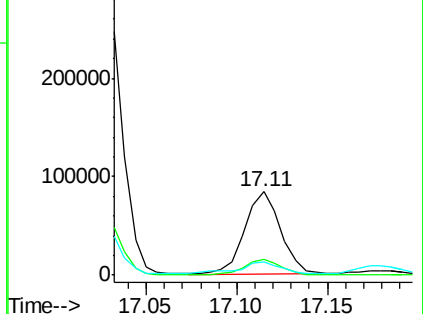
179 16.7 13.6 20.4

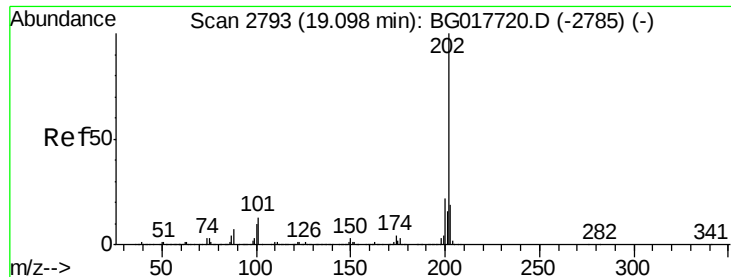


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

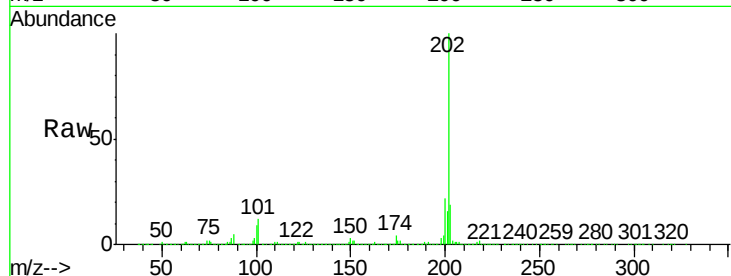




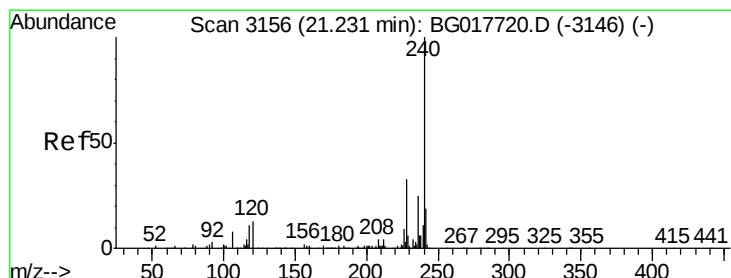
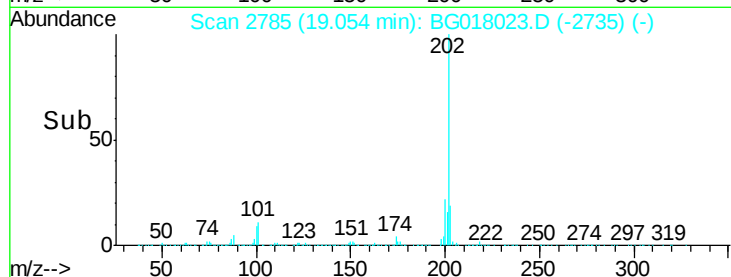
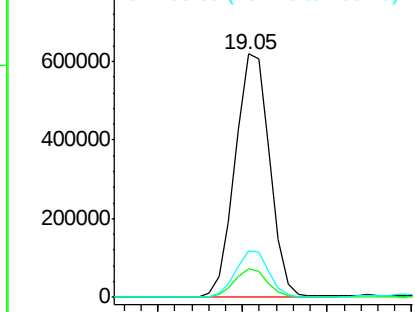
#74
Fluoranthene
Concen: 25.88 ng
RT: 19.05 min Scan# 2785
Delta R.T. -0.00 min
Lab File: BG018023.D
Acq: 21 Jul 2015 15:03

Instrument :
BNA_G
ClientSampleId :
TEC-E3

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	33.3
203	19.2	0.0	39.5

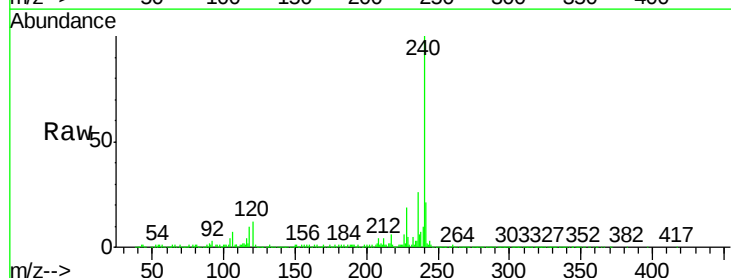


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

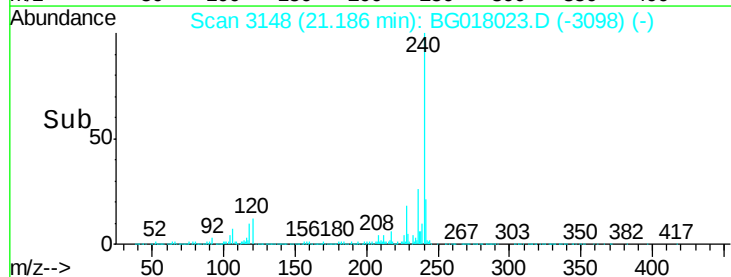
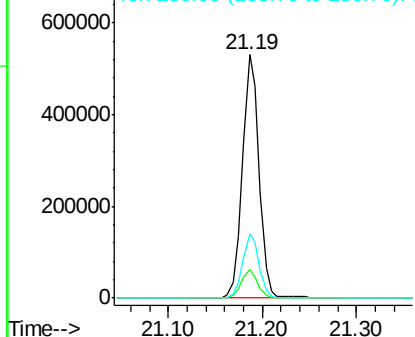


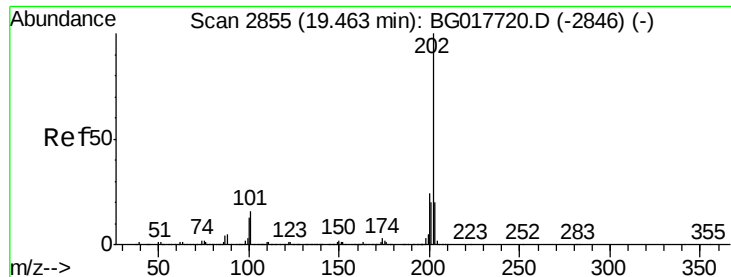
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.19 min Scan# 3148
Delta R.T. -0.00 min
Lab File: BG018023.D
Acq: 21 Jul 2015 15:03

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	10.8	16.2
236	26.2	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: 24.17 ng

RT: 19.42 min Scan# 2847

Delta R.T. -0.00 min

Lab File: BG018023.D

Acq: 21 Jul 2015 15:03

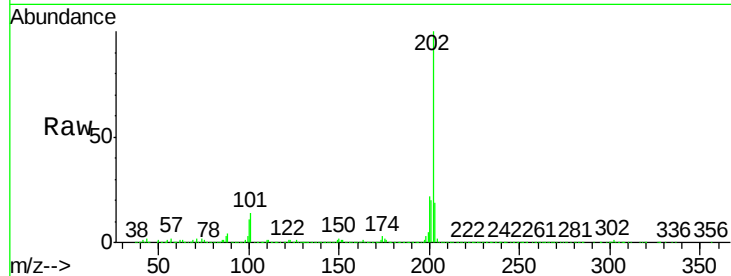
Instrument :

BNA_G

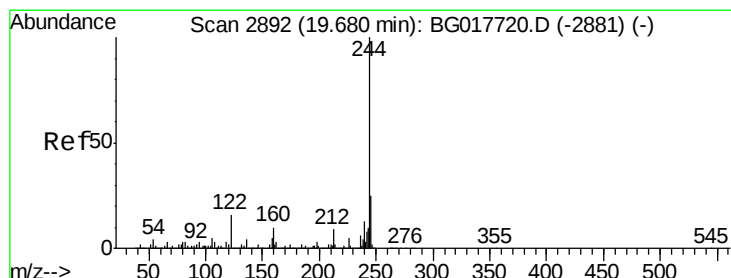
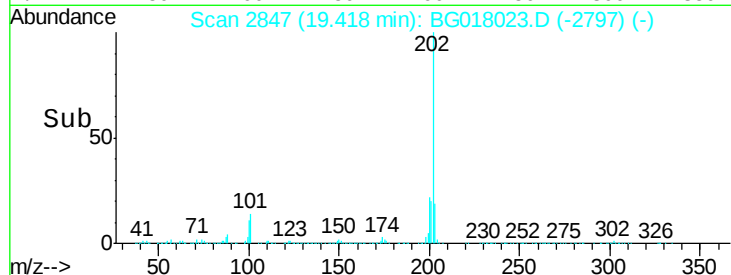
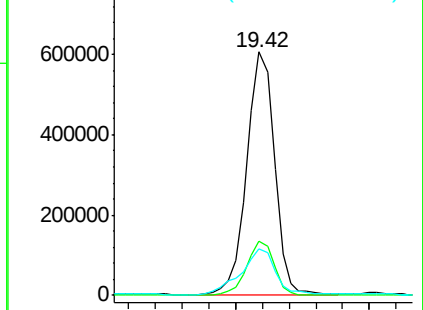
ClientSampleId :

TEC-E3

Tgt Ion:	202	Resp:	866265
Ion	Ratio	Lower	Upper
202	100		
200	22.3	18.8	28.2
203	19.2	15.9	23.9



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: 30.38 ng

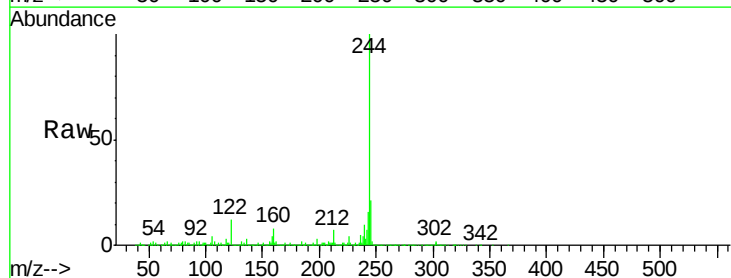
RT: 19.63 min Scan# 2883

Delta R.T. -0.00 min

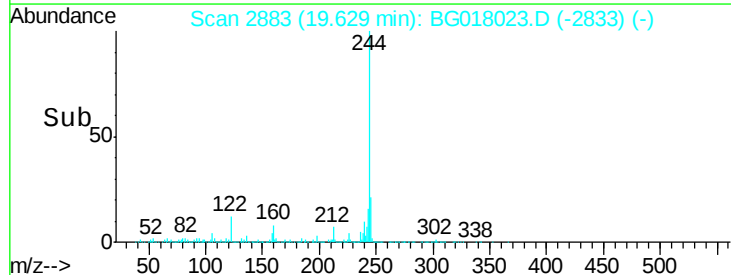
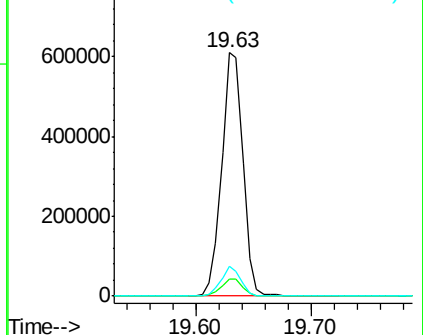
Lab File: BG018023.D

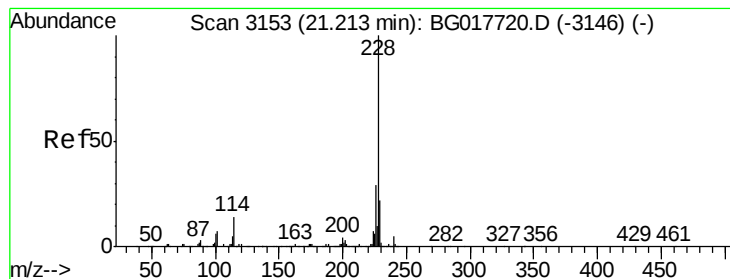
Acq: 21 Jul 2015 15:03

Tgt Ion:	244	Resp:	775079
Ion	Ratio	Lower	Upper
244	100		
212	7.1	7.2	10.8#
122	12.1	12.8	19.2#



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: 14.31 ng

RT: 21.17 min Scan# 3146

Delta R.T. 0.00 min

Lab File: BG018023.D

Acq: 21 Jul 2015 15:03

Instrument :

BNA_G

ClientSampleId :

TEC-E3

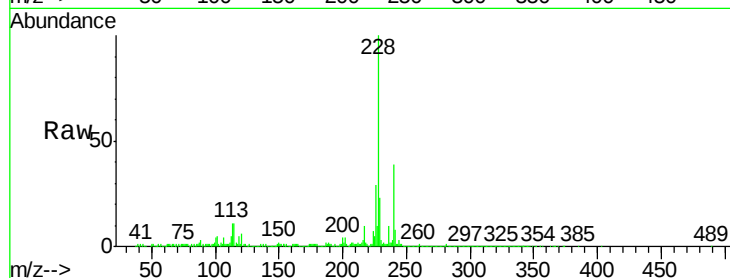
Tgt Ion:228 Resp: 485638

Ion Ratio Lower Upper

228 100

226 29.3 23.1 34.7

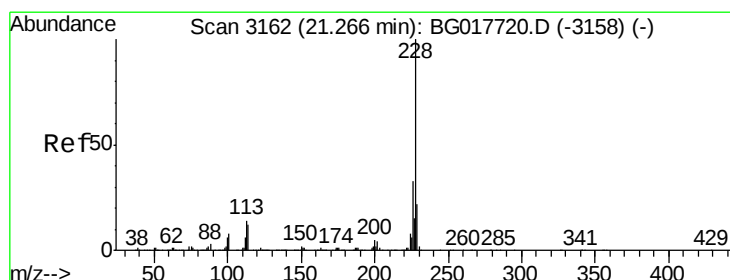
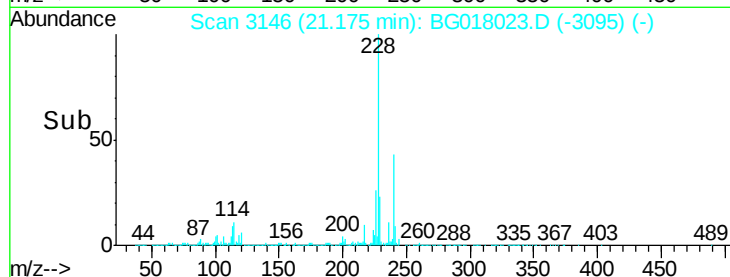
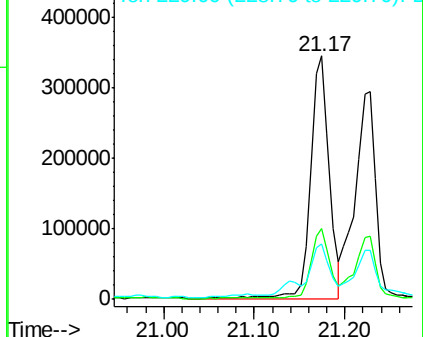
229 22.9 17.4 26.0



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: 14.11 ng

RT: 21.23 min Scan# 3155

Delta R.T. 0.00 min

Lab File: BG018023.D

Acq: 21 Jul 2015 15:03

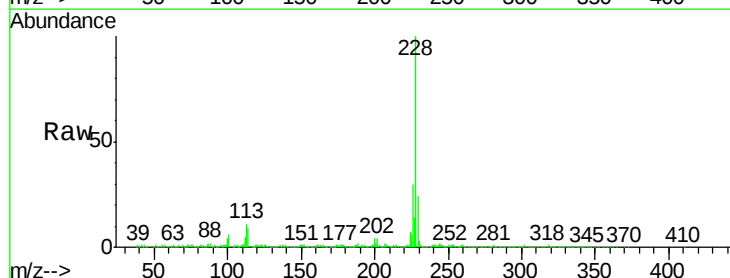
Tgt Ion:228 Resp: 456279

Ion Ratio Lower Upper

228 100

226 30.4 26.1 39.1

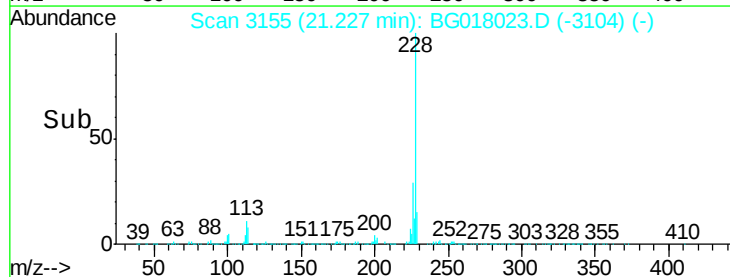
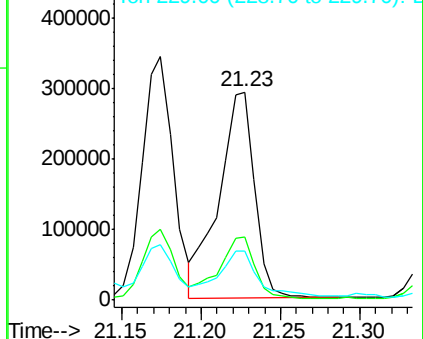
229 23.6 17.7 26.5

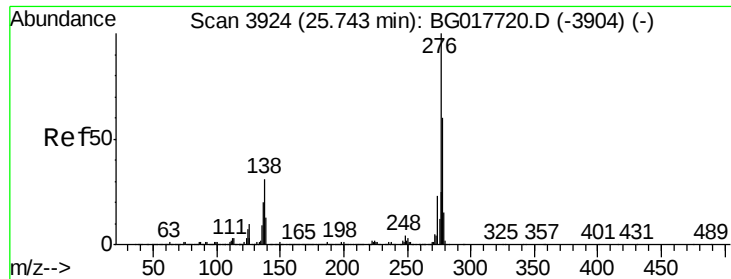


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.80 ng

RT: 25.65 min Scan# 3907

Delta R.T. -0.00 min

Lab File: BG018023.D

Acq: 21 Jul 2015 15:03

Instrument :

BNA_G

ClientSampleId :

TEC-E3

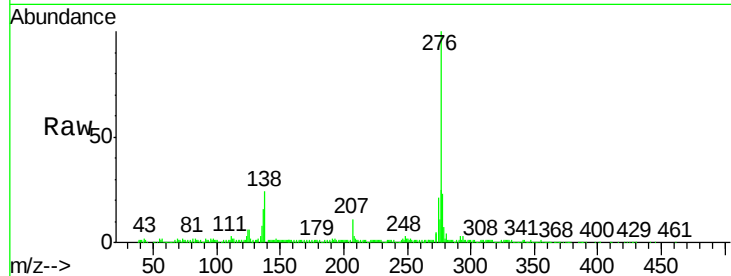
Tgt Ion:276 Resp: 304905

Ion Ratio Lower Upper

276 100

138 23.7 25.4 38.0#

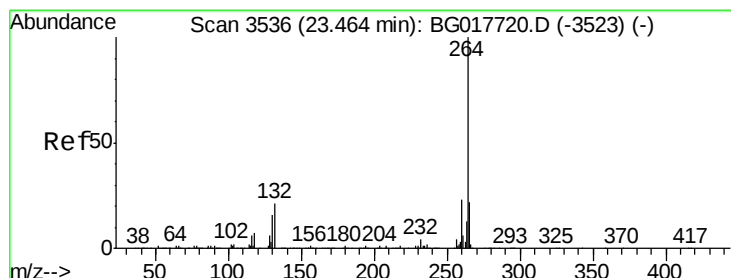
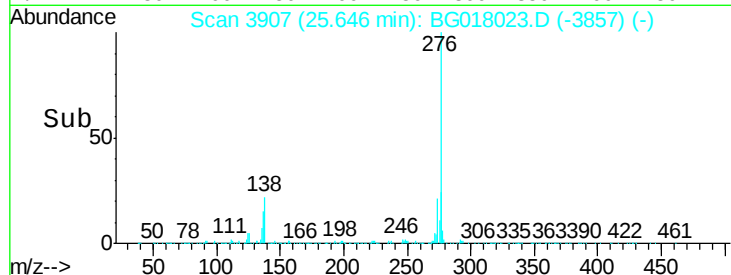
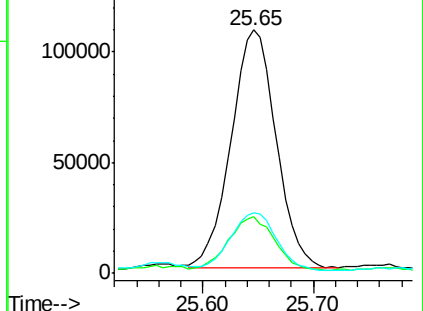
277 25.3 21.0 31.4



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: 23.41 min Scan# 3526

Delta R.T. 0.01 min

Lab File: BG018023.D

Acq: 21 Jul 2015 15:03

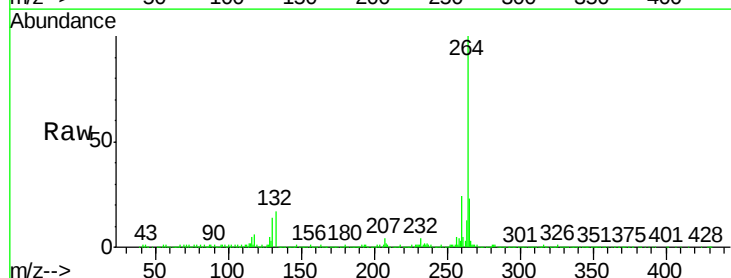
Tgt Ion:264 Resp: 673521

Ion Ratio Lower Upper

264 100

260 24.3 18.6 27.8

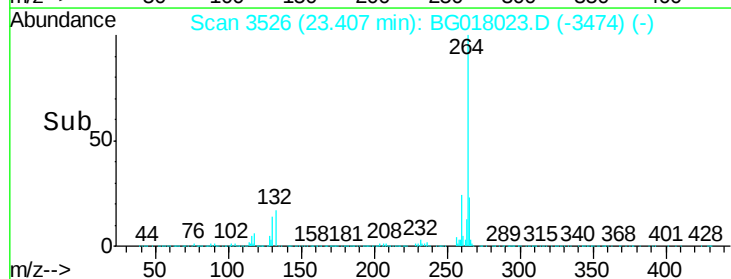
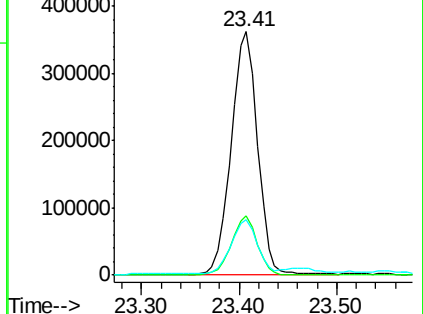
265 23.0 18.2 27.2

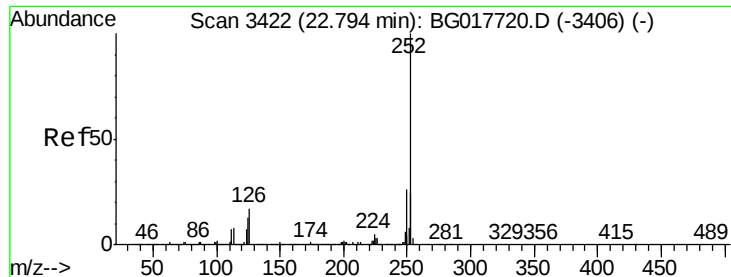


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

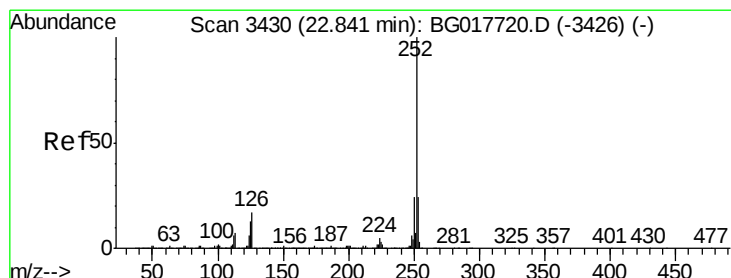
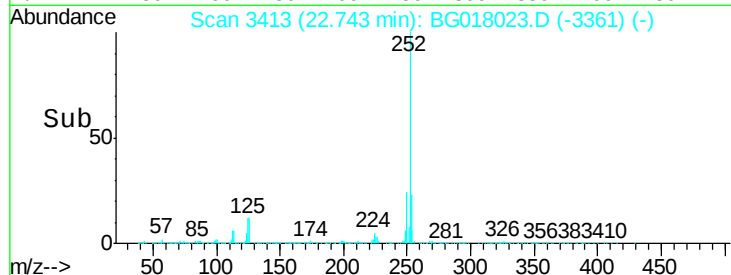
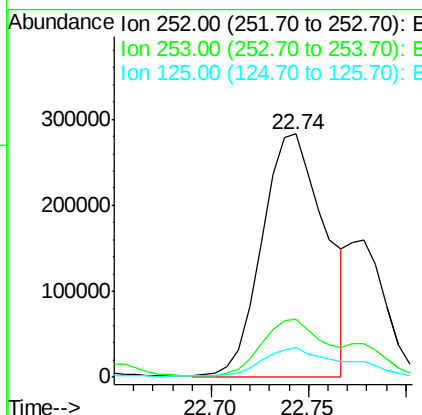
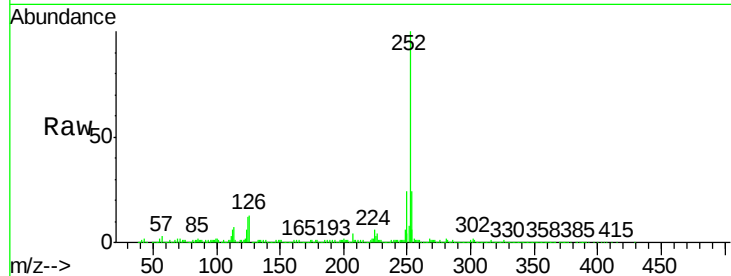




#87
Benzo(b)fluoranthene
Concen: 17.45 ng m
RT: 22.74 min Scan# 3413
Delta R.T. 0.01 min
Lab File: BG018023.D
Acq: 21 Jul 2015 15:03

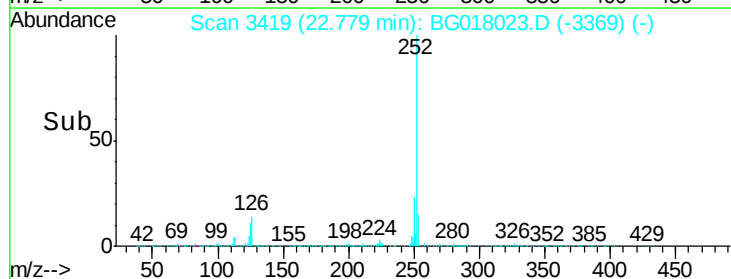
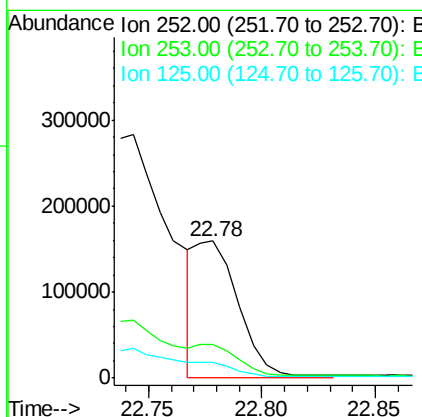
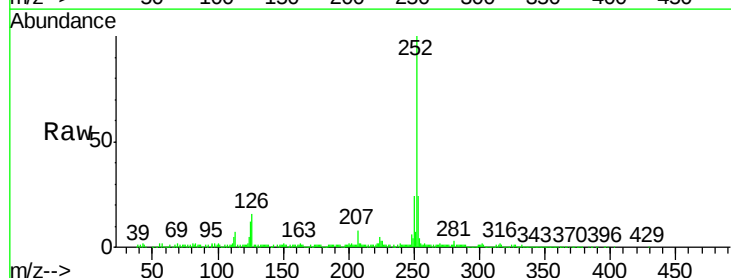
Instrument :
BNA_G
ClientSampleId :
TEC-E3

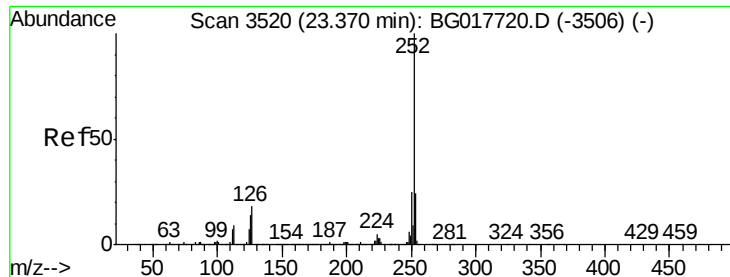
Tgt Ion:252 Resp: 643175
Ion Ratio Lower Upper
252 100
253 23.9 19.7 29.5
125 12.4 10.6 15.8



#88
Benzo(k)fluoranthene
Concen: 5.79 ng m
RT: 22.78 min Scan# 3419
Delta R.T. -0.00 min
Lab File: BG018023.D
Acq: 21 Jul 2015 15:03

Tgt Ion:252 Resp: 212910
Ion Ratio Lower Upper
252 100
253 24.2 19.0 28.6
125 11.6 10.3 15.5





#89

Benzo(a)pyrene

Concen: 13.74 ng

RT: 23.31 min Scan# 3509

Delta R.T. 0.01 min

Lab File: BG018023.D

Acq: 21 Jul 2015 15:03

Instrument :

BNA_G

ClientSampleId :

TEC-E3

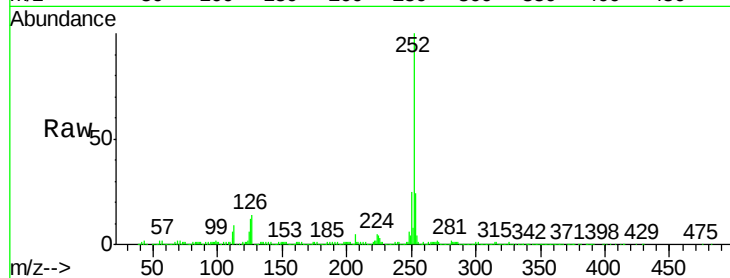
Tgt Ion:252 Resp: 471853

Ion Ratio Lower Upper

252 100

253 24.1 19.0 28.6

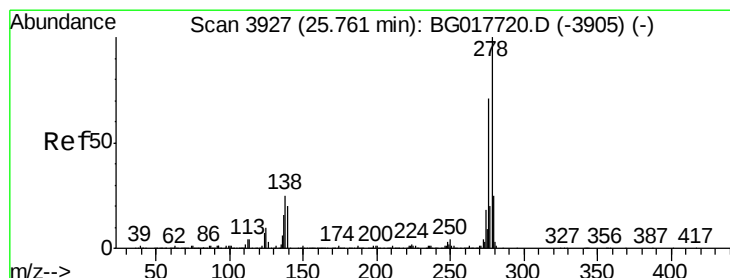
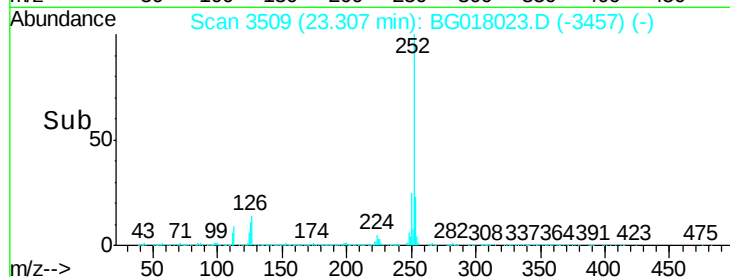
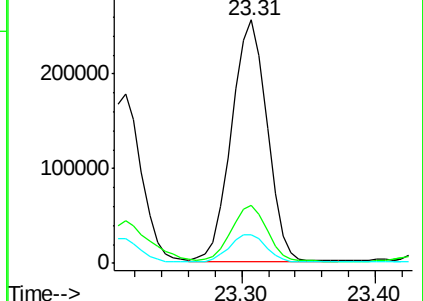
125 11.5 11.1 16.7



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



#90

Dibenzo(a,h)anthracene

Concen: 2.24 ng

RT: 25.65 min Scan# 3908

Delta R.T. -0.01 min

Lab File: BG018023.D

Acq: 21 Jul 2015 15:03

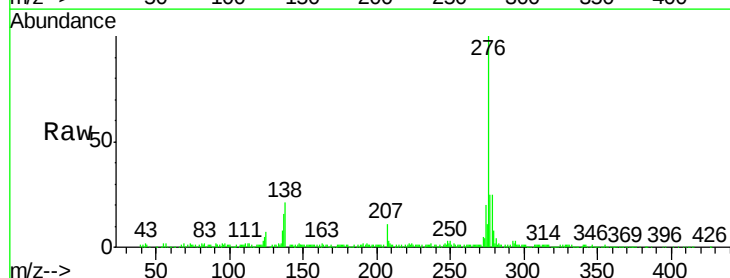
Tgt Ion:278 Resp: 79899

Ion Ratio Lower Upper

278 100

139 0.0 16.2 24.2#

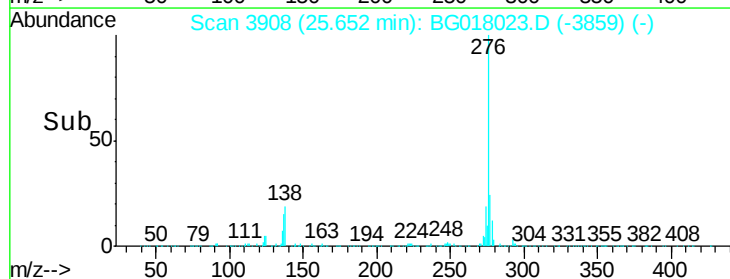
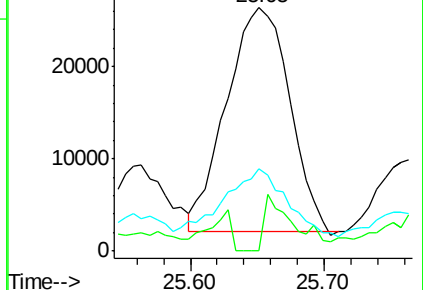
279 33.7 19.9 29.9#

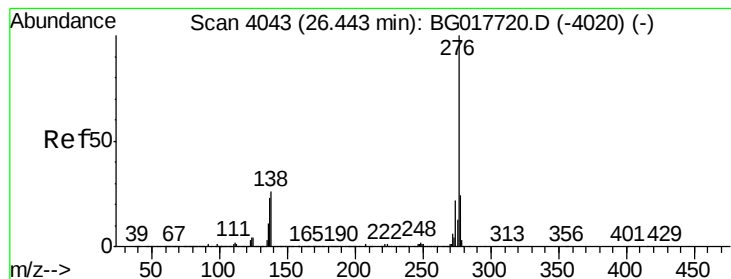


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 9.23 ng

RT: 26.33 min Scan# 4024

Delta R.T. -0.00 min

Lab File: BG018023.D

Acq: 21 Jul 2015 15:03

Instrument :

BNA_G

ClientSampleId :

TEC-E3

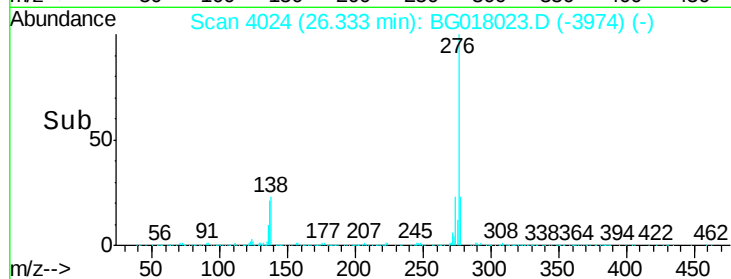
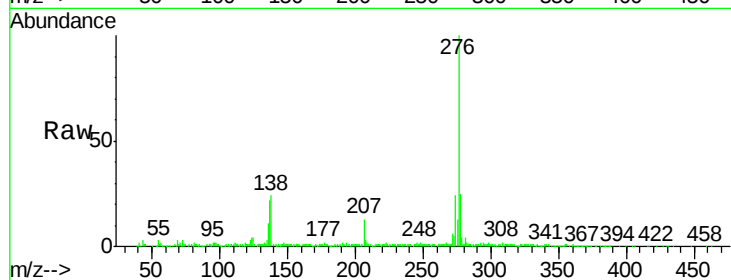
Tgt Ion: 276 Resp: 316753

Ion Ratio Lower Upper

276 100

277 24.7 18.9 28.3

138 24.1 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

