

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
 Data File : BG018021.D
 Acq On : 21 Jul 2015 13:51
 Operator : TP/UM
 Sample : G2954-17RE 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TEC-B1

Quant Time: Jul 22 02:01:43 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	7.56	152	123735	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	535992	20.00	ng	0.00
38) Acenaphthene-d10	14.23	164	328312	20.00	ng	0.00
63) Phenanthrene-d10	16.98	188	653832	20.00	ng	0.00
75) Chrysene-d12	21.18	240	665191	20.00	ng	0.00
86) Perylene-d12	23.40	264	677958	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.17	112	145580	20.52	ng	0.00
7) Phenol-d6	6.75	99	198656	21.38	ng	0.00
23) Nitrobenzene-d5	8.72	82	114870	13.88	ng	0.00
41) 2,4,6-Tribromophenol	15.73	330	71431	21.47	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	293756	15.51	ng	0.00
78) Terphenyl-d14	19.63	244	379679	14.38	ng	0.00

Target Compounds

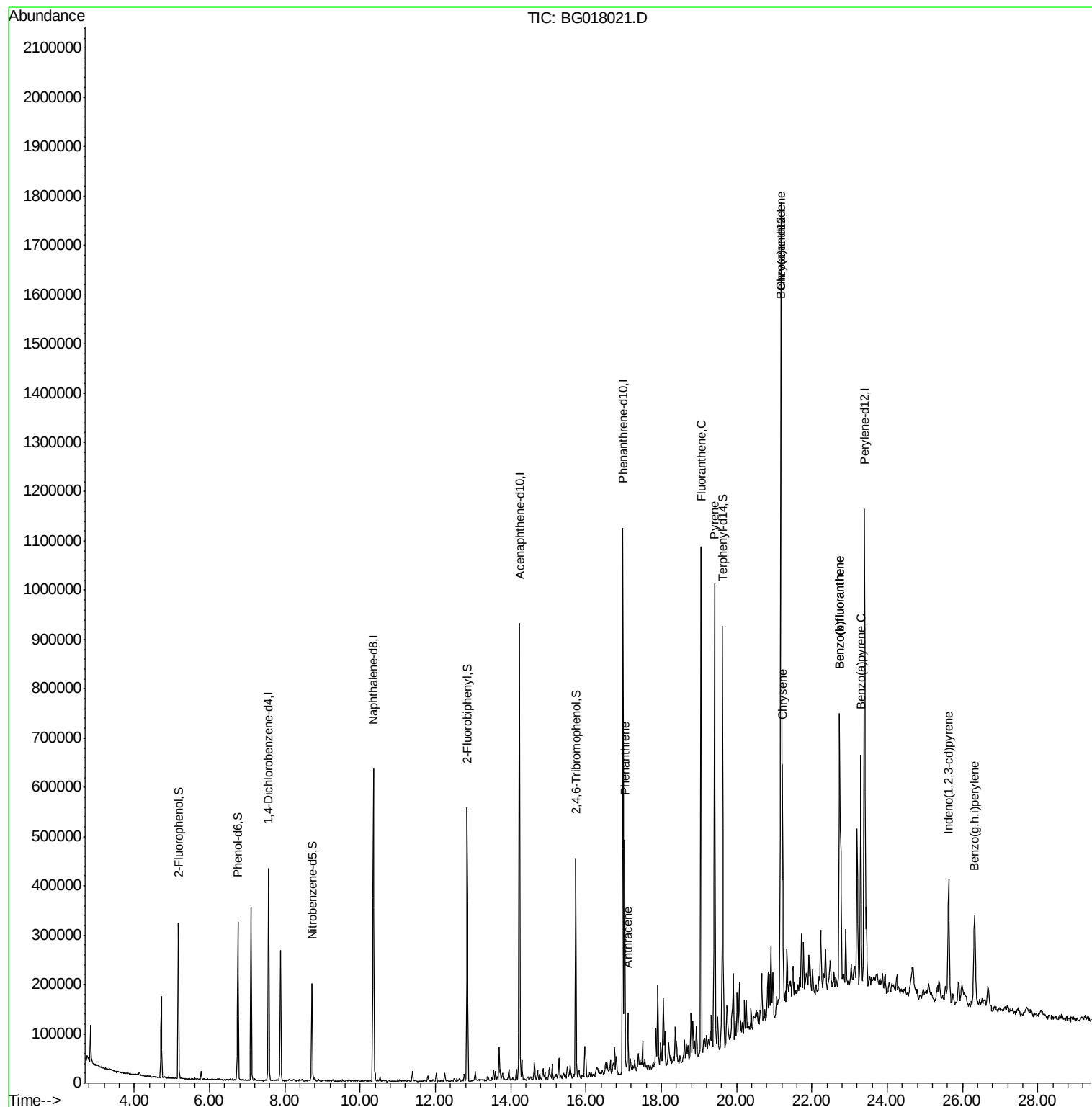
						Qvalue
32) Benzoic acid	9.57	122	69	Below Cal	#	1
64) 4,6-Dinitro-2-methylphenol	15.60	198	55	Below Cal	#	1
70) Phenanthrene	17.02	178	276147	8.19	ng	98
71) Anthracene	17.11	178	68253	2.08	ng	98
74) Fluoranthene	19.06	202	600728	16.27	ng	95
77) Pyrene	19.42	202	575348	15.51	ng	96
80) Benzo(a)anthracene	21.17	228	315158	8.97	ng	99
82) Chrysene	21.22	228	300299	8.97	ng	95
85) Indeno(1,2,3-cd)pyrene	25.63	276	227199	5.61	ng	# 91
87) Benzo(b)fluoranthene	22.73	252	595885	16.06	ng	98
88) Benzo(k)fluoranthene	22.73	252	595885	16.09	ng	99
89) Benzo(a)pyrene	23.30	252	322723	9.34	ng	97
91) Benzo(g,h,i)perylene	26.32	276	224282	6.49	ng	97

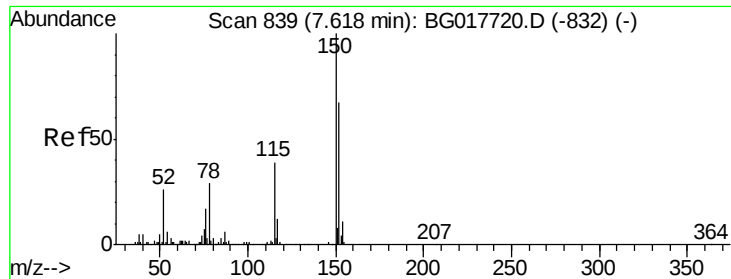
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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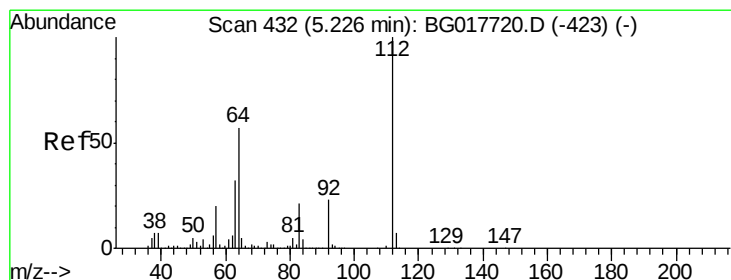
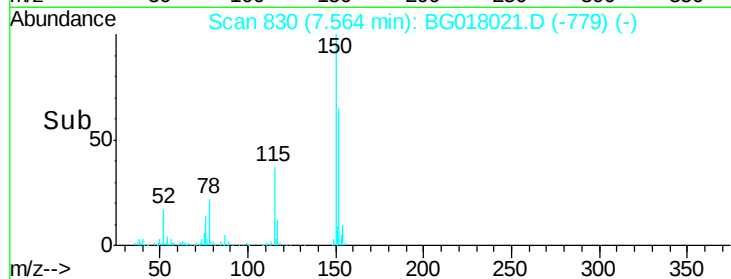
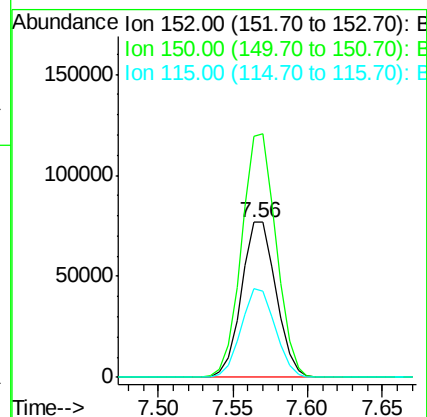
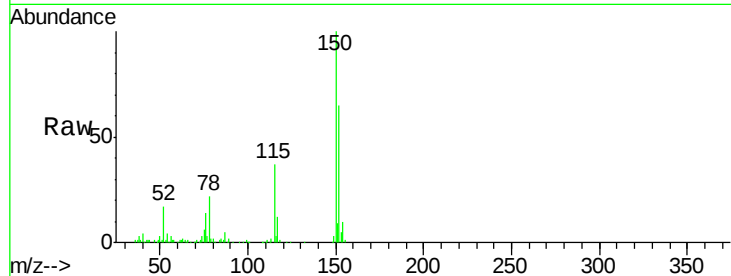


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.56 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG018021.D
Acq: 21 Jul 2015 13:51

Instrument :
BNA_G
ClientSampleId :
TEC-B1

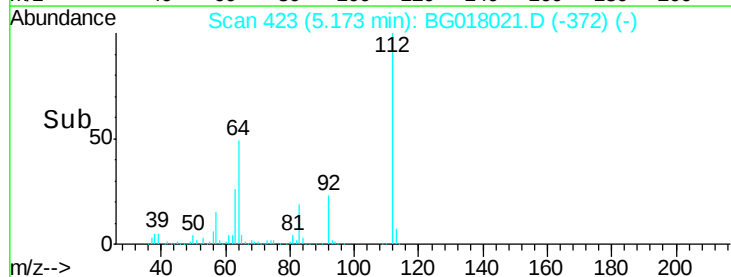
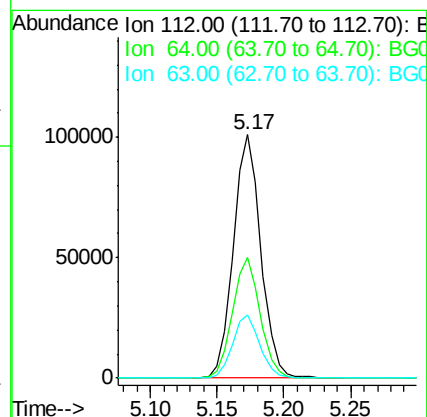
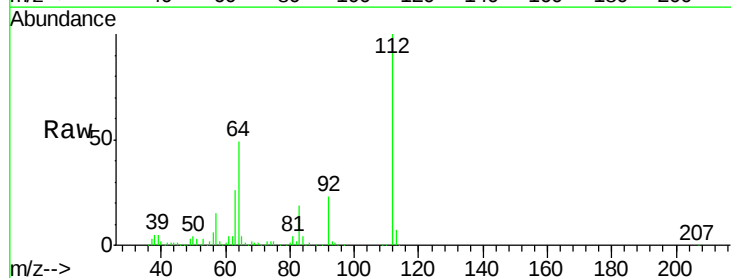
Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.0	119.1	178.7
115	56.8	47.0	70.4



#5

2-Fluorophenol
Concen: 20.52 ng
RT: 5.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG018021.D
Acq: 21 Jul 2015 13:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.4	45.4	68.0
63	26.0	25.3	37.9





#7

Phenol-d6

Concen: 21.38 ng

RT: 6.75 min Scan# 691

Delta R.T. -0.01 min

Lab File: BG018021.D

Acq: 21 Jul 2015 13:51

Instrument :

BNA_G

ClientSampleId :

TEC-B1

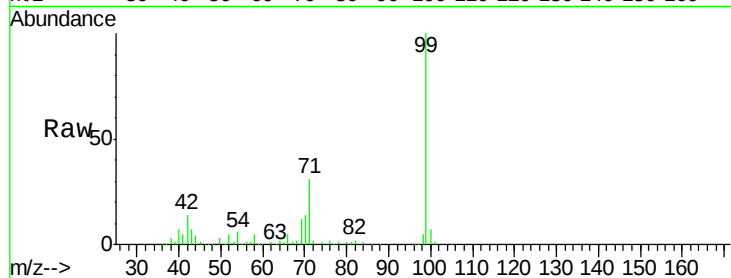
Tgt Ion: 99 Resp: 198656

Ion Ratio Lower Upper

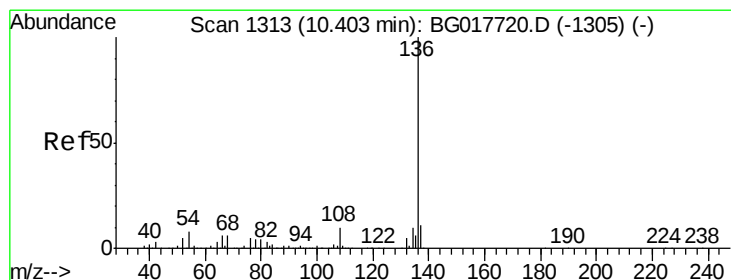
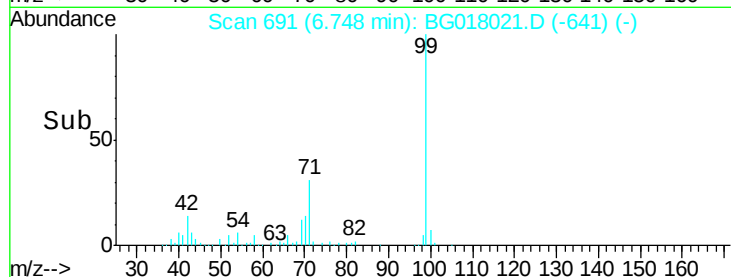
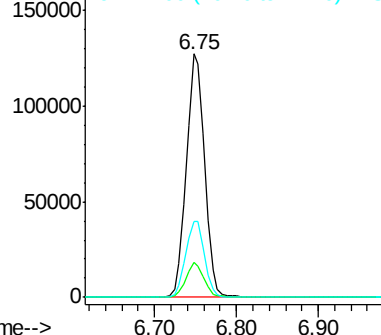
99 100

42 14.3 16.2 24.4#

71 31.0 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# 1304

Delta R.T. -0.00 min

Lab File: BG018021.D

Acq: 21 Jul 2015 13:51

Tgt Ion: 136 Resp: 535992

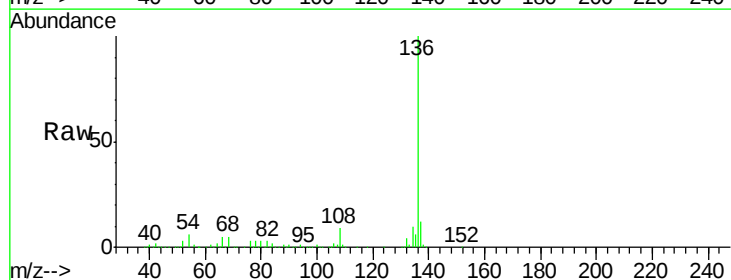
Ion Ratio Lower Upper

136 100

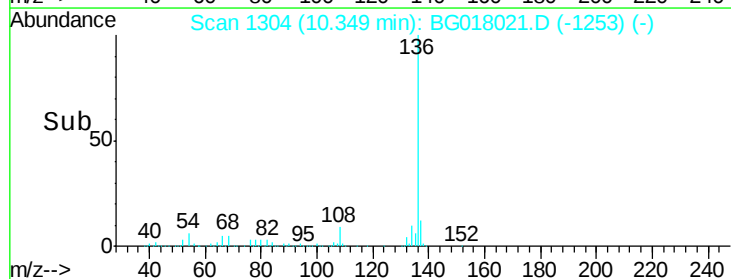
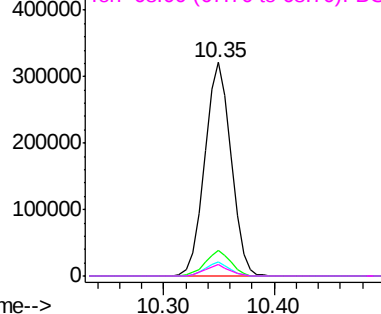
137 11.8 8.8 13.2

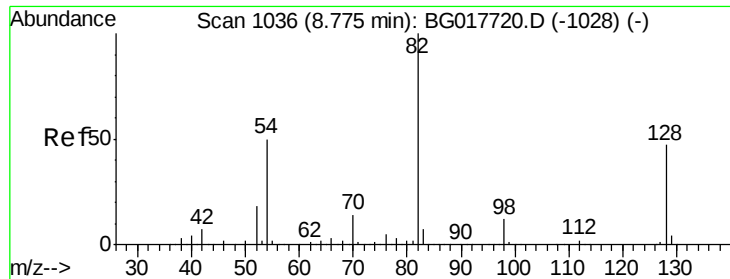
54 6.3 6.6 9.8#

68 5.3 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

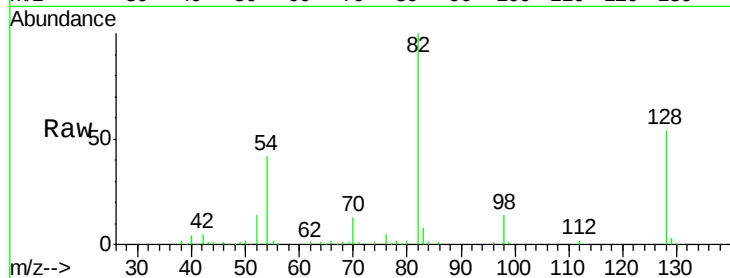




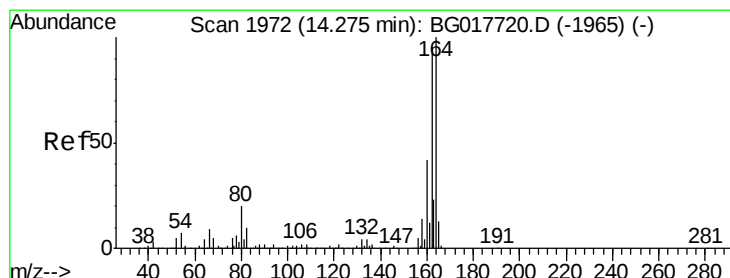
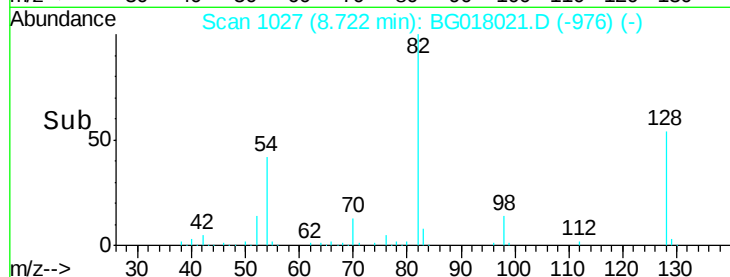
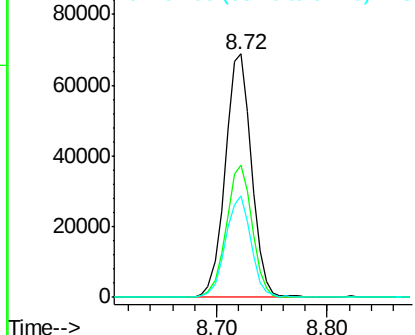
#23
 Nitrobenzene-d5
 Concen: 13.88 ng
 RT: 8.72 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BG018021.D
 Acq: 21 Jul 2015 13:51

Instrument :
 BNA_G
 ClientSampled :
 TEC-B1

Tgt Ion: 82 Resp: 114870
 Ion Ratio Lower Upper
 82 100
 128 54.2 37.8 56.6
 54 41.9 39.9 59.9

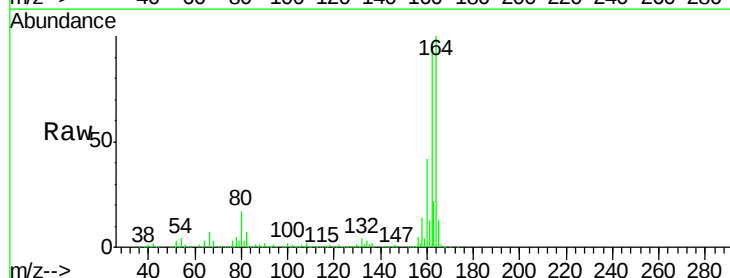


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

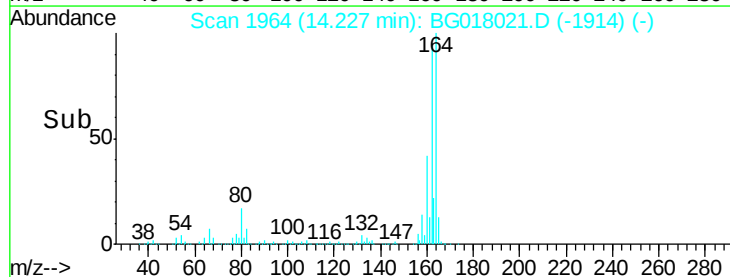
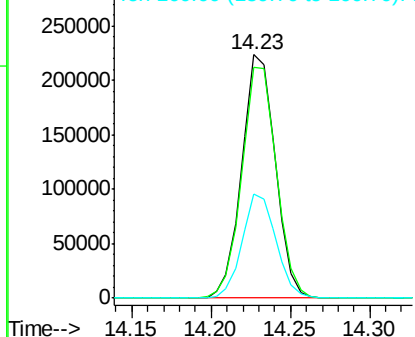


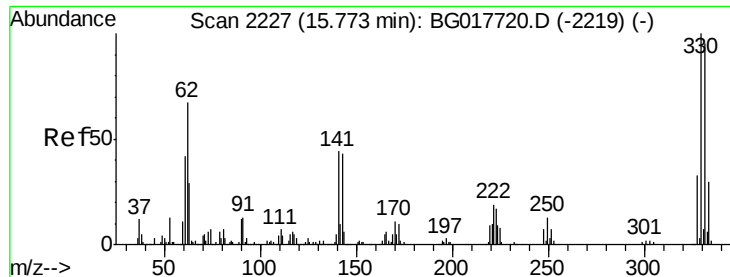
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.23 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: BG018021.D
 Acq: 21 Jul 2015 13:51

Tgt Ion: 164 Resp: 328312
 Ion Ratio Lower Upper
 164 100
 162 95.0 76.3 114.5
 160 42.5 33.7 50.5



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

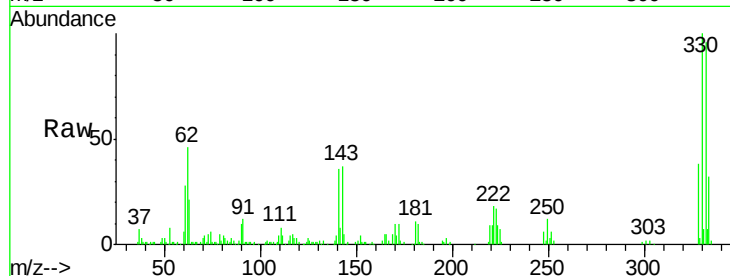




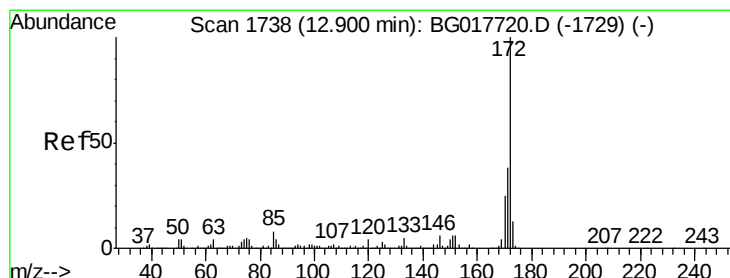
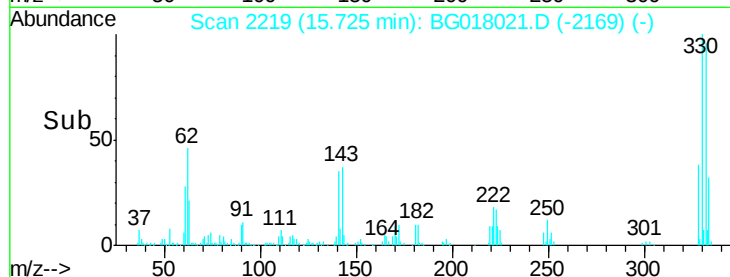
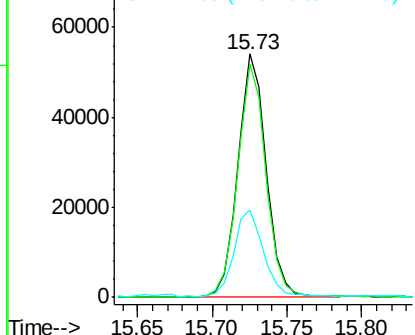
#41
 2,4,6-Tribromophenol
 Concen: 21.47 ng
 RT: 15.73 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG018021.D
 Acq: 21 Jul 2015 13:51

Instrument :
 BNA_G
 ClientSampleId :
 TEC-B1

Tgt Ion:330 Resp: 71431
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.8 115.2
 141 36.3 38.0 57.0#

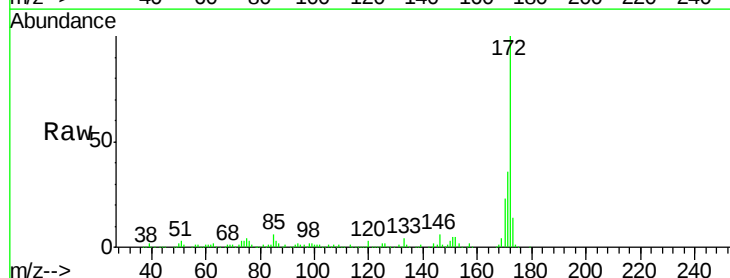


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

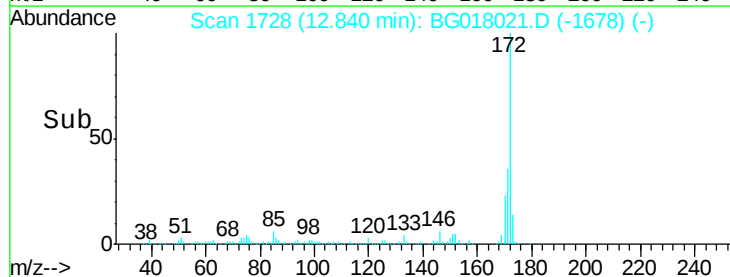
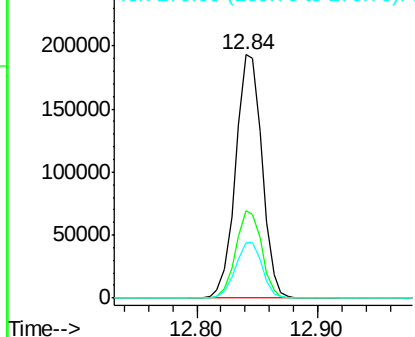


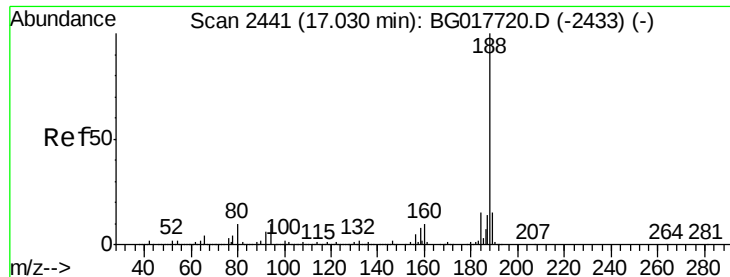
#44
 2-Fluorobiphenyl
 Concen: 15.51 ng
 RT: 12.84 min Scan# 1728
 Delta R.T. -0.01 min
 Lab File: BG018021.D
 Acq: 21 Jul 2015 13:51

Tgt Ion:172 Resp: 293756
 Ion Ratio Lower Upper
 172 100
 171 35.8 30.7 46.1
 170 22.7 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 16.98 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BG018021.D

Acq: 21 Jul 2015 13:51

Instrument :

BNA_G

ClientSampleId :

TEC-B1

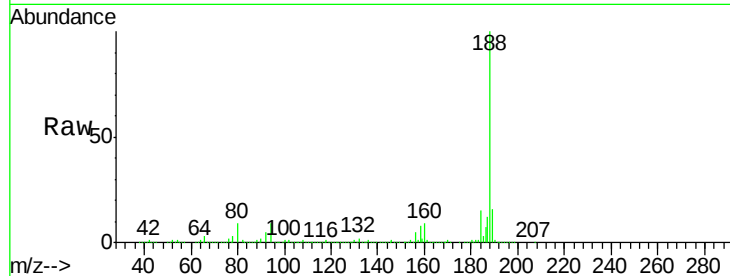
Tgt Ion:188 Resp: 653832

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.2

80 9.0 8.2 12.4



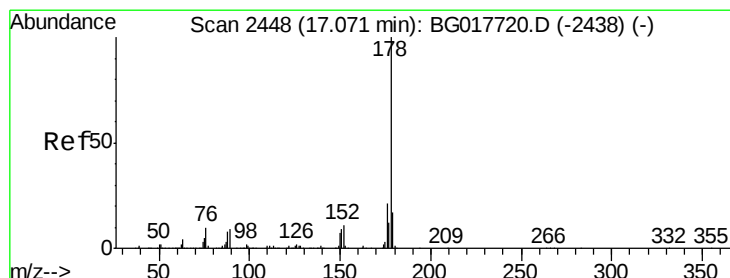
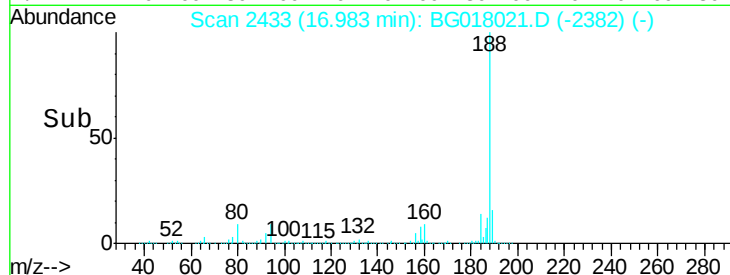
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

16.98

Time-->



#70

Phenanthrene

Concen: 8.19 ng

RT: 17.02 min Scan# 2440

Delta R.T. -0.00 min

Lab File: BG018021.D

Acq: 21 Jul 2015 13:51

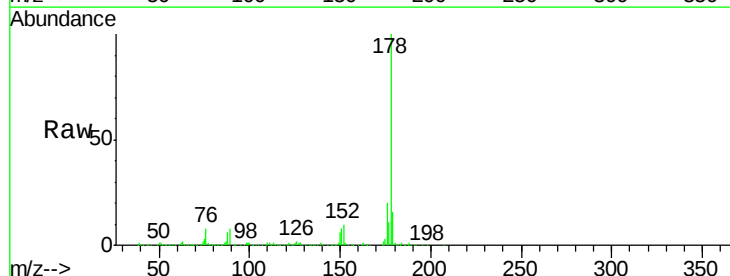
Tgt Ion:178 Resp: 276147

Ion Ratio Lower Upper

178 100

176 19.8 16.5 24.7

179 15.6 13.5 20.3



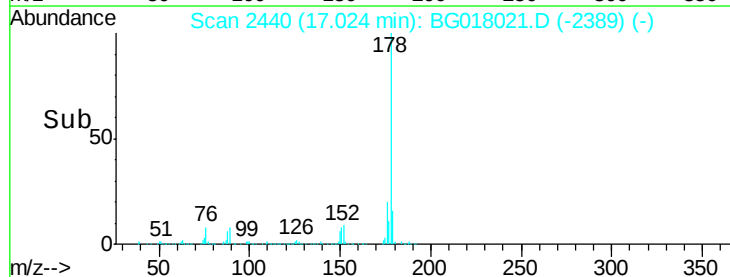
Abundance Ion 178.00 (177.70 to 178.70): E

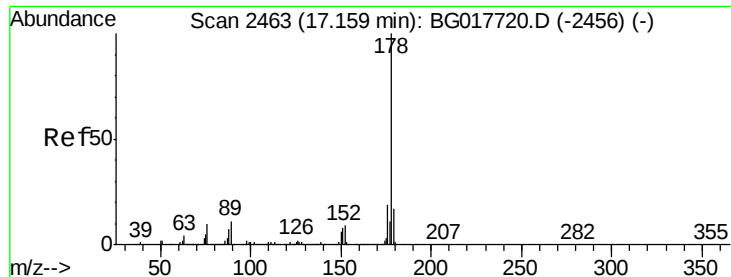
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.02

Time-->

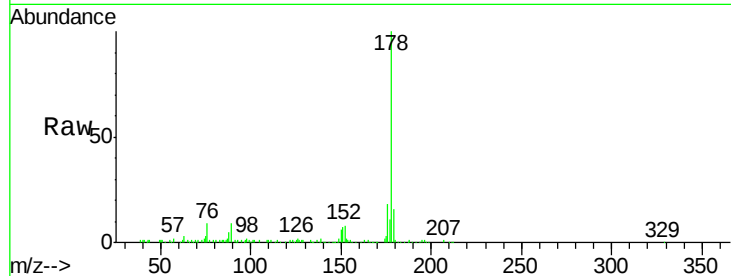




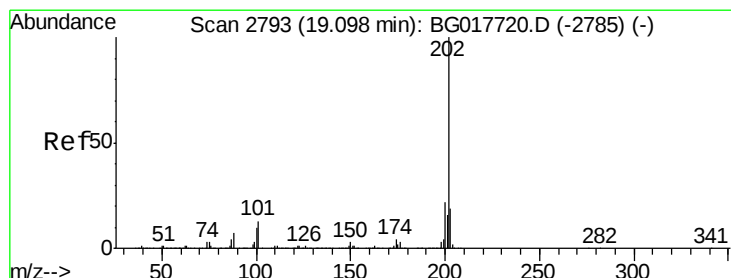
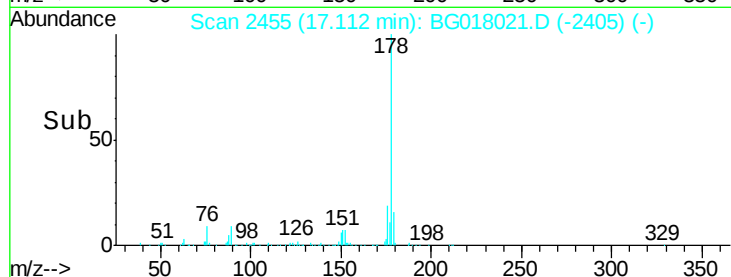
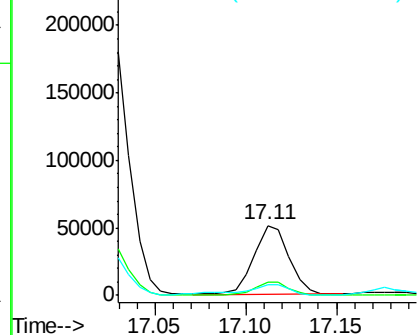
#71
 Anthracene
 Concen: 2.08 ng
 RT: 17.11 min Scan# 2455
 Delta R.T. -0.01 min
 Lab File: BG018021.D
 Acq: 21 Jul 2015 13:51

Instrument :
 BNA_G
 ClientSampleId :
 TEC-B1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.2	22.8
179	16.0	13.6	20.4

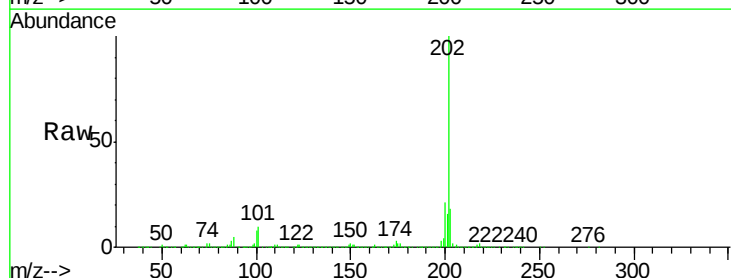


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

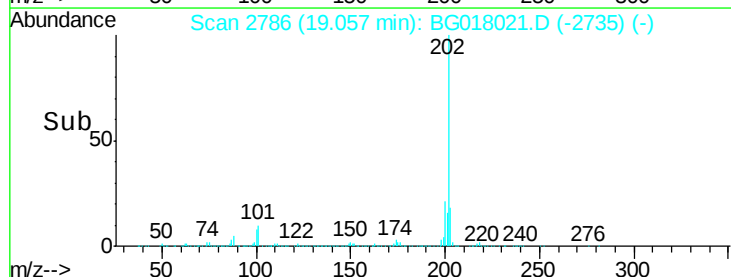
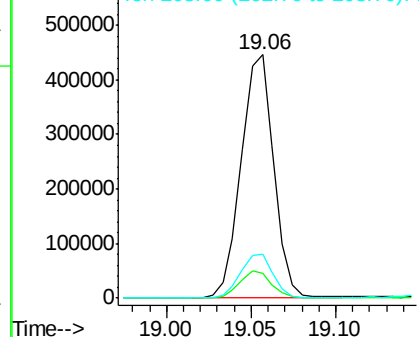


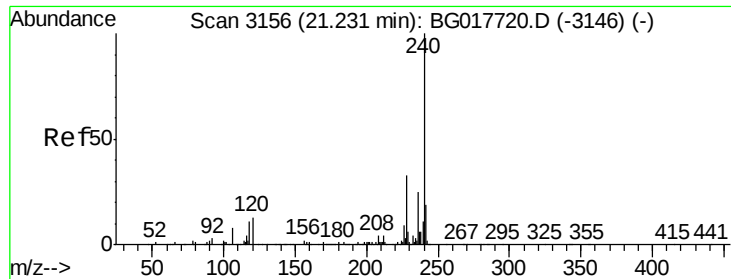
#74
 Fluoranthene
 Concen: 16.27 ng
 RT: 19.06 min Scan# 2786
 Delta R.T. -0.00 min
 Lab File: BG018021.D
 Acq: 21 Jul 2015 13:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	33.3
203	18.2	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: 21.18 min Scan# 3148

Delta R.T. -0.01 min

Lab File: BG018021.D

Acq: 21 Jul 2015 13:51

Instrument :

BNA_G

ClientSampleId :

TEC-B1

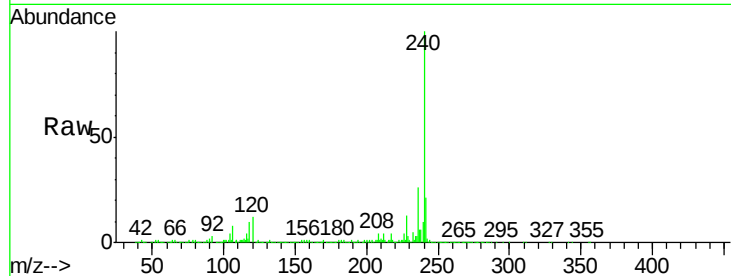
Tgt Ion:240 Resp: 665191

Ion Ratio Lower Upper

240 100

120 12.4 10.8 16.2

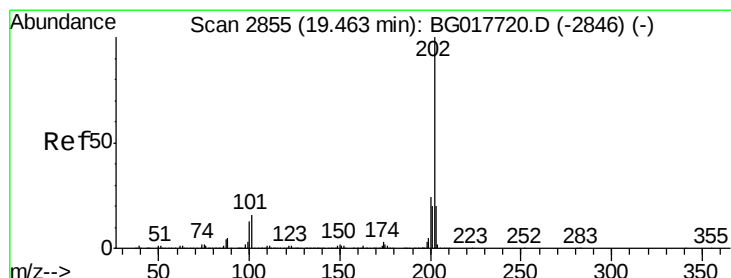
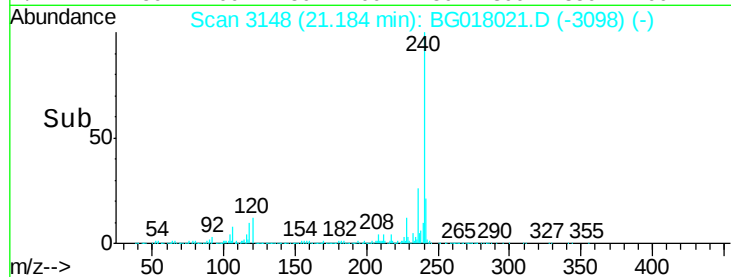
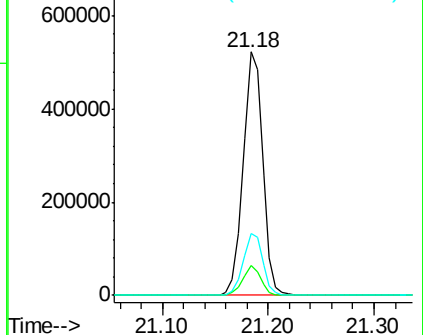
236 25.7 20.0 30.0



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: 15.51 ng

RT: 19.42 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG018021.D

Acq: 21 Jul 2015 13:51

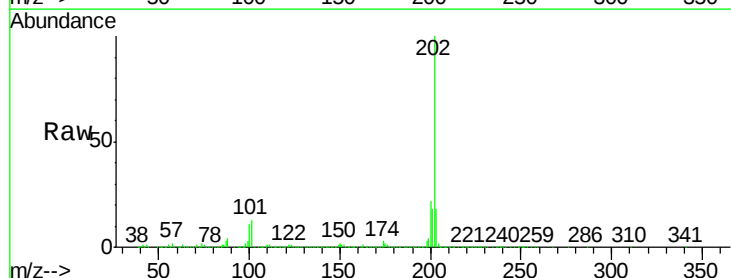
Tgt Ion:202 Resp: 575348

Ion Ratio Lower Upper

202 100

200 21.7 18.8 28.2

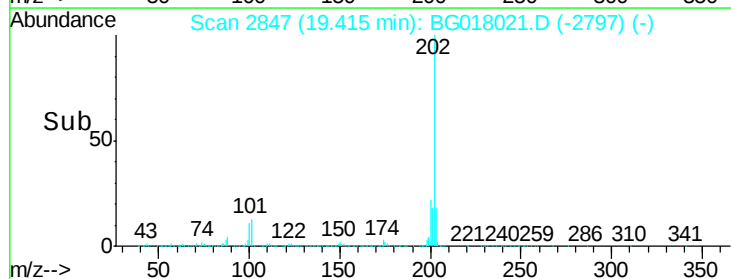
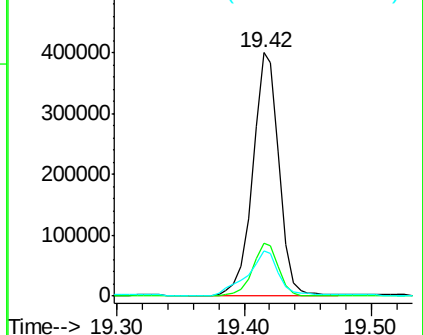
203 18.4 15.9 23.9

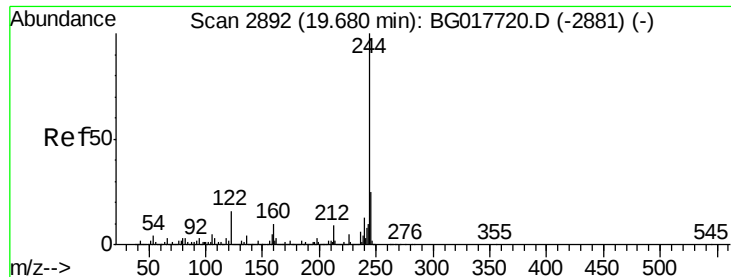


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.38 ng

RT: 19.63 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG018021.D

Acq: 21 Jul 2015 13:51

Instrument :

BNA_G

ClientSampleId :

TEC-B1

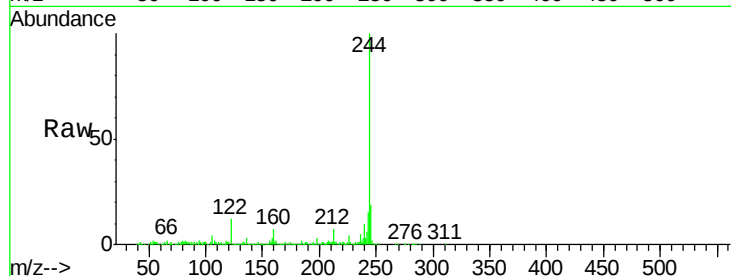
Tgt Ion:244 Resp: 379679

Ion Ratio Lower Upper

244 100

212 6.7 7.2 10.8#

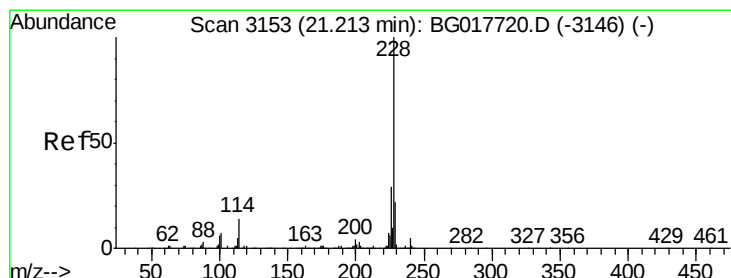
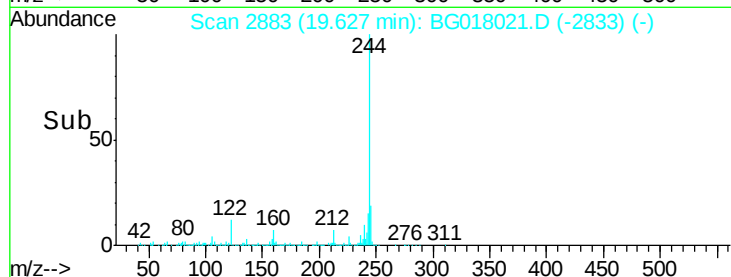
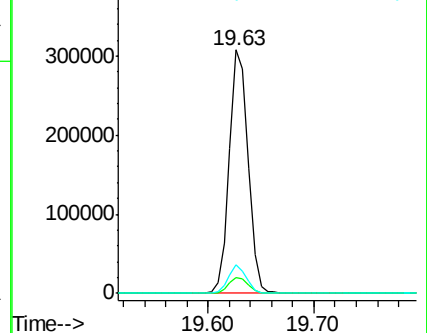
122 11.8 12.8 19.2#



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: 8.97 ng

RT: 21.17 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG018021.D

Acq: 21 Jul 2015 13:51

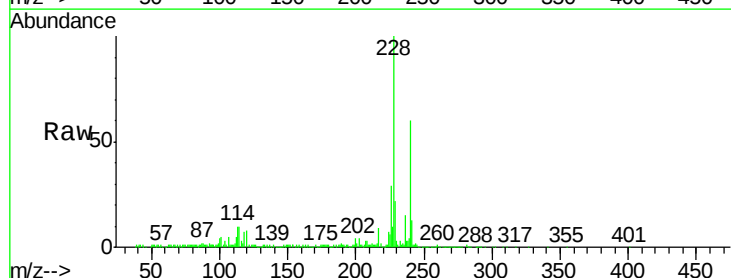
Tgt Ion:228 Resp: 315158

Ion Ratio Lower Upper

228 100

226 29.4 23.1 34.7

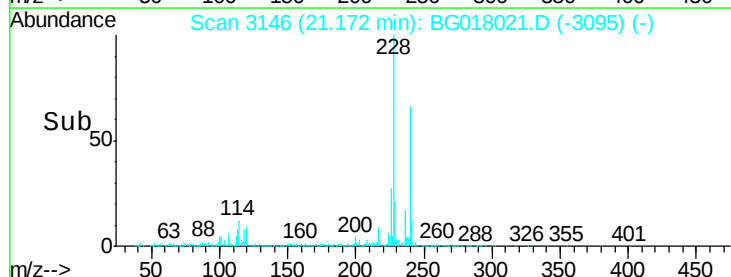
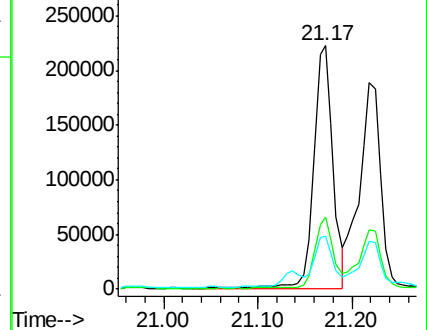
229 21.6 17.4 26.0

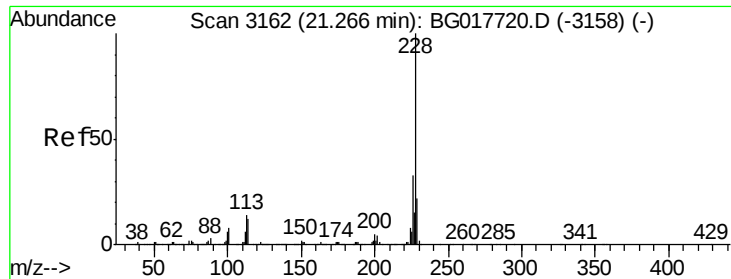


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.97 ng

RT: 21.22 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BG018021.D

Acq: 21 Jul 2015 13:51

Instrument :

BNA_G

ClientSampleId :

TEC-B1

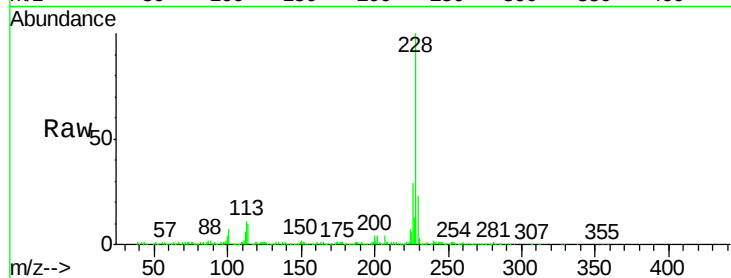
Tgt Ion: 228 Resp: 300299

Ion Ratio Lower Upper

228 100

226 28.5 26.1 39.1

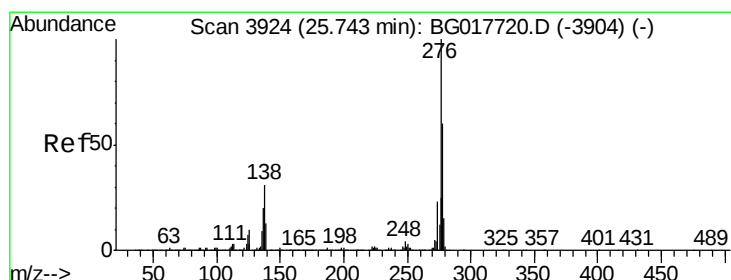
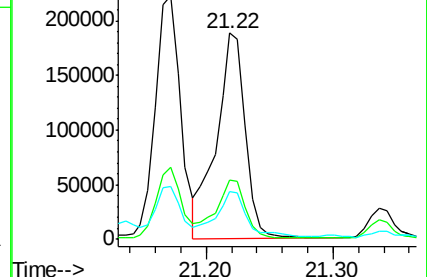
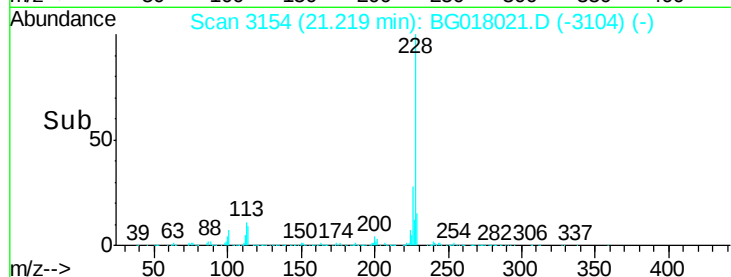
229 23.0 17.7 26.5



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: 5.61 ng

RT: 25.63 min Scan# 3905

Delta R.T. -0.02 min

Lab File: BG018021.D

Acq: 21 Jul 2015 13:51

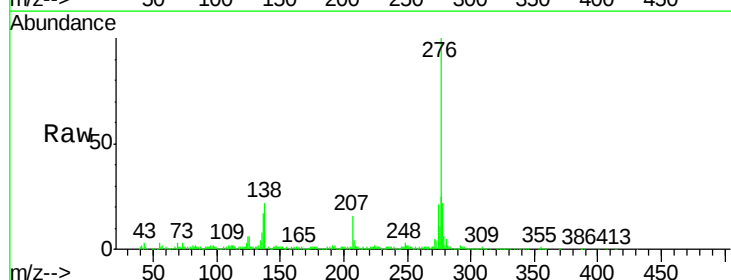
Tgt Ion: 276 Resp: 227199

Ion Ratio Lower Upper

276 100

138 23.5 25.4 38.0#

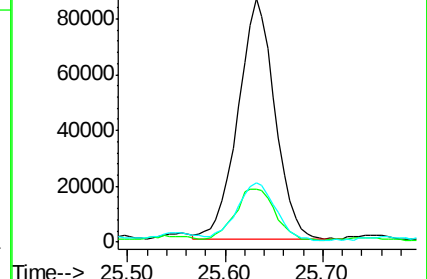
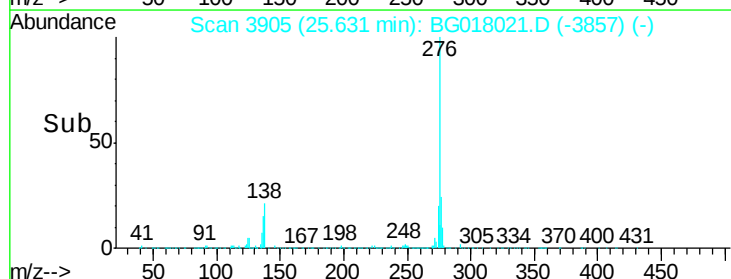
277 24.8 21.0 31.4

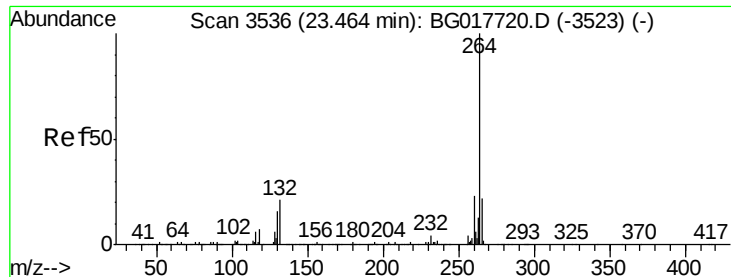


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



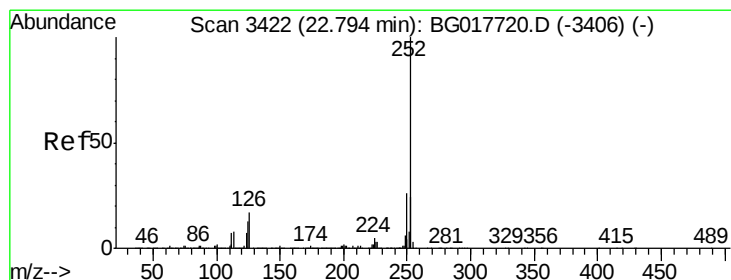
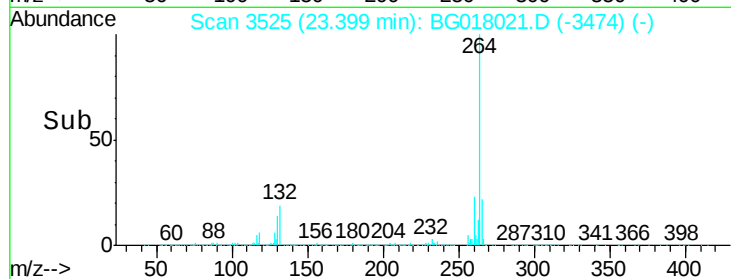
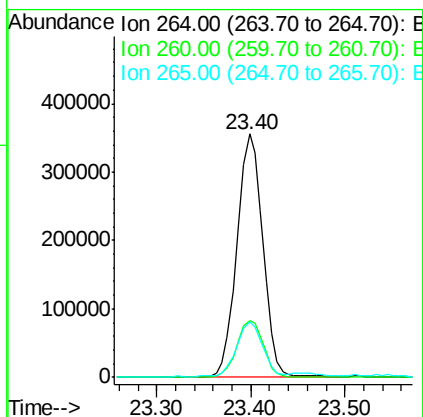
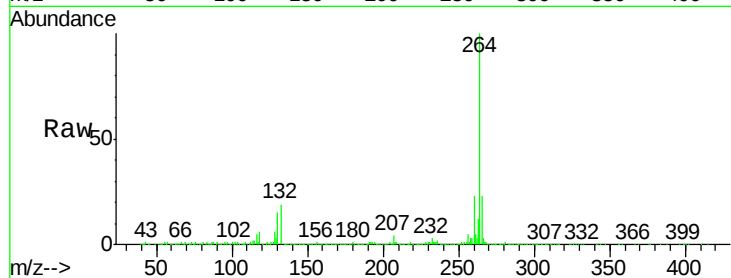


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.40 min Scan# 3525
Delta R.T. -0.00 min
Lab File: BG018021.D
Acq: 21 Jul 2015 13:51

Instrument :
BNA_G
ClientSampleId :
TEC-B1

Tgt Ion: 264 Resp: 677958

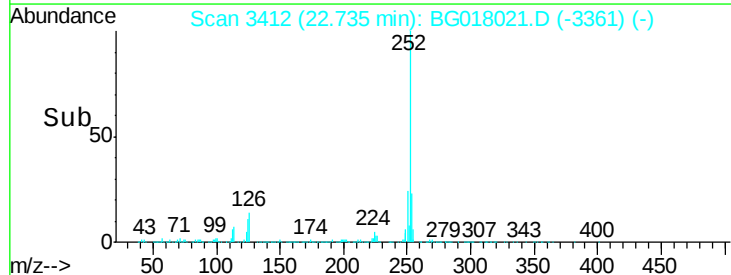
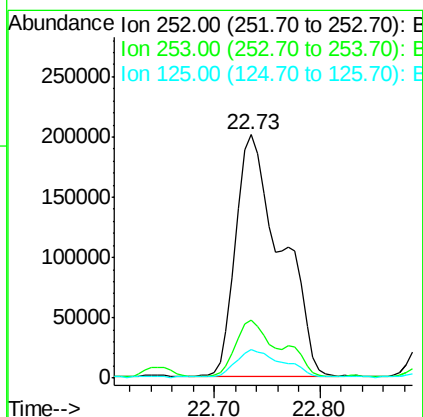
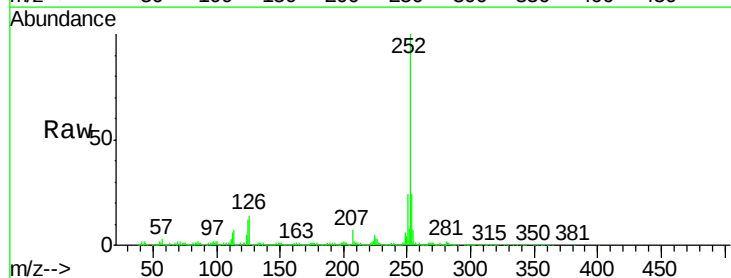
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	22.6	18.2	27.2

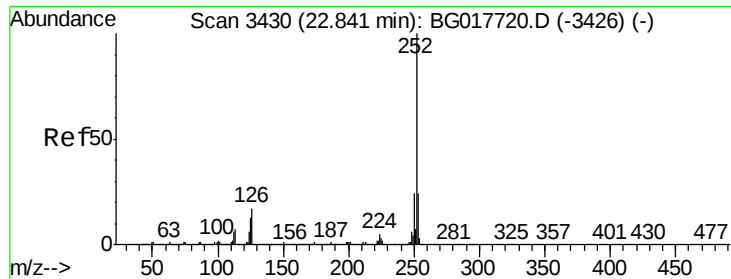


#87
Benzo(b)fluoranthene
Concen: 16.06 ng
RT: 22.73 min Scan# 3412
Delta R.T. -0.00 min
Lab File: BG018021.D
Acq: 21 Jul 2015 13:51

Tgt Ion: 252 Resp: 595885

Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.7	29.5
125	11.6	10.6	15.8

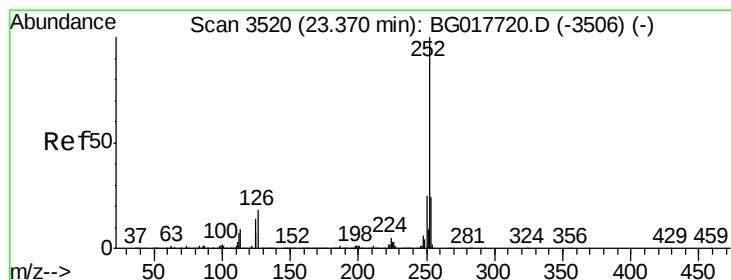
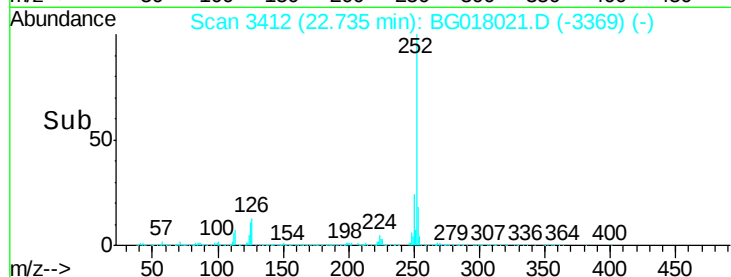
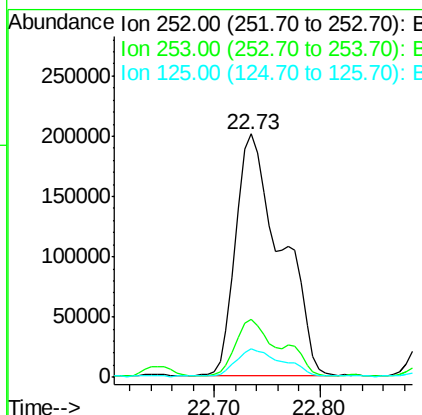
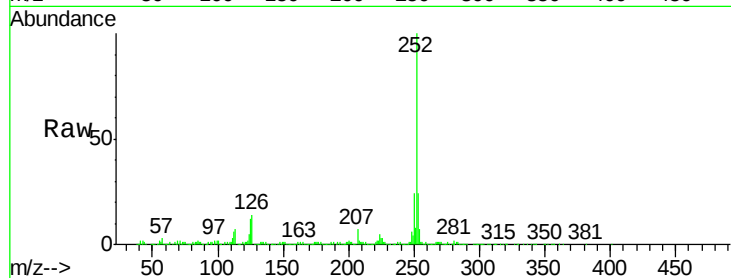




#88
Benzo(k)fluoranthene
Concen: 16.09 ng
RT: 22.73 min Scan# 3412
Delta R.T. -0.05 min
Lab File: BG018021.D
Acq: 21 Jul 2015 13:51

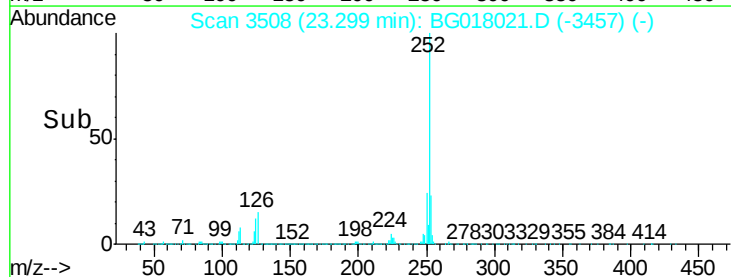
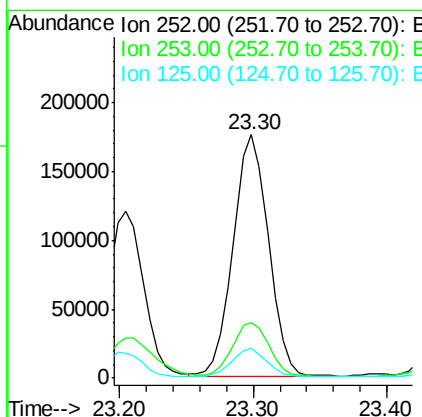
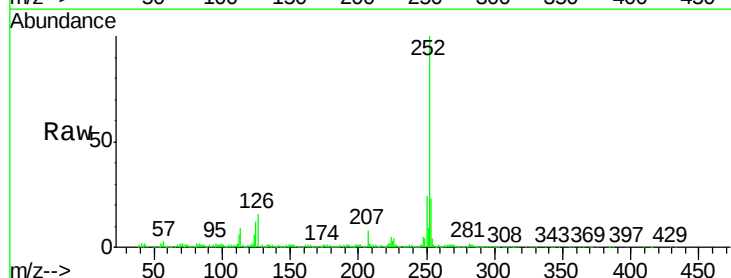
Instrument :
BNA_G
ClientSampleId :
TEC-B1

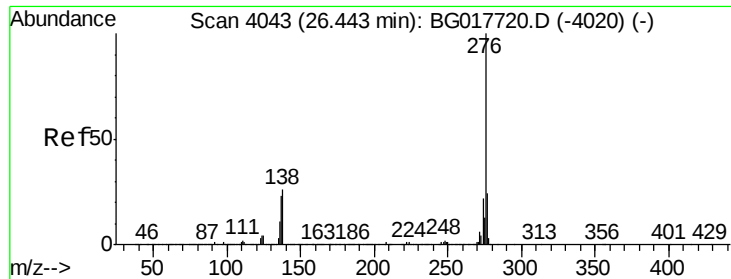
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.0	28.6
125	11.6	10.3	15.5



#89
Benzo(a)pyrene
Concen: 9.34 ng
RT: 23.30 min Scan# 3508
Delta R.T. -0.00 min
Lab File: BG018021.D
Acq: 21 Jul 2015 13:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.0	28.6
125	12.1	11.1	16.7





#91

Benzo(g,h,i)perylene

Concen: 6.49 ng

RT: 26.32 min Scan# 4023

Delta R.T. -0.01 min

Lab File: BG018021.D

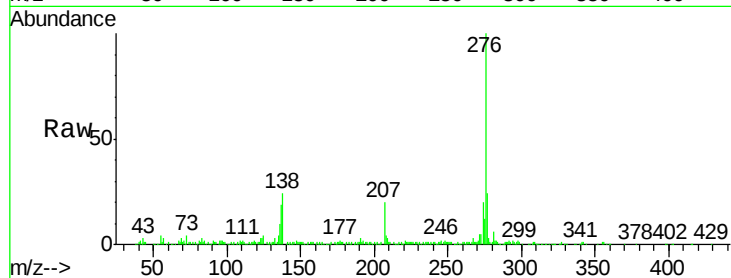
Acq: 21 Jul 2015 13:51

Instrument :

BNA_G

ClientSampleId :

TEC-B1



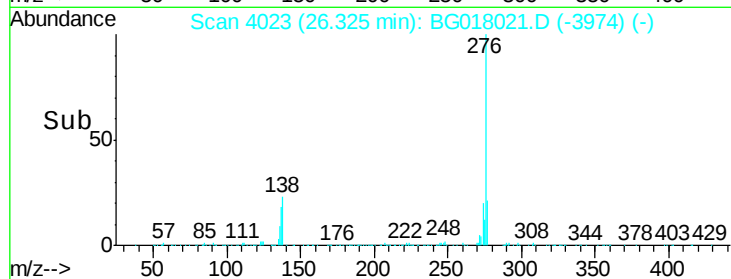
Tgt Ion: 276 Resp: 224282

Ion Ratio Lower Upper

276 100

277 24.1 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

