

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
 Data File : BG018283.D
 Acq On : 5 Aug 2015 22:37
 Operator : UM/TP
 Sample : G3109-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01P9

Quant Time: Aug 07 12:18:00 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 06 03:42:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	38382	20.00	ng/ul	0.00
18) Naphthalene-d8	10.21	136	161807	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.11	164	89766	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.88	188	159021	20.00	ng/ul	0.00
78) Chrysene-d12	21.10	240	202035	20.00	ng/ul	0.02
86) Perylene-d12	23.30	264	261466	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.90	96	2095	4.71	ng/uL	0.00
5) Phenol-d5	6.64	99	60814	20.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.77	67	35992	24.67	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	53619	21.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	50042	19.64	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	29619m	23.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	32906	22.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	53601	20.12	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	22821	7.15	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	164227	23.66	ng/ul	0.00
47) Acenaphthylene-d8	13.80	160	177152	22.50	ng/ul	0.00
52) 4-Nitrophenol-d4	14.38	143	13588	11.86	ng/ul	0.00
58) Fluorene-d10	15.12	176	124408	19.95	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.26	200	18066m	16.41	ng/ul	0.00
71) Anthracene-d10	16.98	188	134347	19.21	ng/ul	0.00
79) Pyrene-d10	19.31	212	123912	10.96	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.16	264	254626	18.72	ng/ul	0.05

Target Compounds

					Ovalue
14) Acetophenone	8.22	105	13619	3.33	ng/ul# 57
16) 4-Methylphenol	8.24	108	8259	3.01	ng/ul# 78
24) 2,4-Dimethylphenol	9.42	107	14647	4.49	ng/ul 95
28) Naphthalene	10.26	128	109628	14.41	ng/ul# 96
34) 2-Methylnaphthalene	11.90	142	68348	11.20	ng/ul 97
35) 1-Methylnaphthalene	12.12	142	45315	7.68	ng/ul# 94
41) 1,1'-Biphenyl	12.93	154	27301	4.41	ng/ul 95
45) Dimethylphthalate	13.58	163	63616	9.18	ng/ul 98
50) Acenaphthene	14.18	153	62721	11.96	ng/ul 98
54) Dibenzofuran	14.52	168	61092	7.91	ng/ul 93
59) Fluorene	15.18	166	63700	9.39	ng/ul 95
65) N-Nitrosodiphenylamine	15.40	169	18433	4.41	ng/ul# 61
70) Phenanthrene	16.92	178	297849	37.11	ng/ul 98
72) Anthracene	17.01	178	75198m	9.39	ng/ul
75) Carbazole	17.29	167	30060	4.45	ng/ul# 84
77) Fluoranthene	18.97	202	299166	33.61	ng/ul# 94
80) Pyrene	19.34	202	261631	18.62	ng/ul# 96
81) Butylbenzylphthalate	20.25	149	92390	16.96	ng/ul 89
83) Benzo(a)anthracene	21.09	228	153978	14.44	ng/ul# 89
84) Bis(2-ethylhexyl)phthalate	21.03	149	1356420	206.87	ng/ul# 86
85) Chrysene	21.14	228	191081	19.94	ng/ul# 93
88) Benzo(b)fluoranthene	22.64	252	347120	21.65	ng/ul# 63
89) Benzo(k)fluoranthene	22.68	252	102615m	6.67	ng/ul

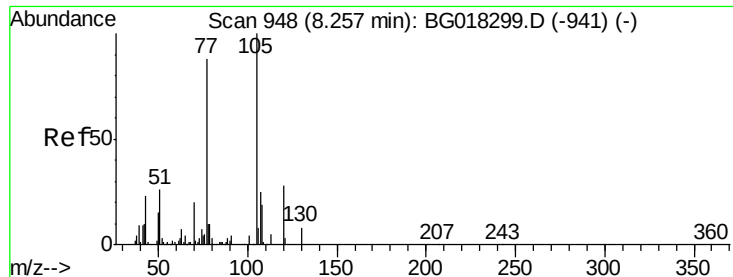
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018283.D
Acq On : 5 Aug 2015 22:37
Operator : UM/TP
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Misc :
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Quant Time: Aug 07 12:18:00 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 03:42:27 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.21	252	207588	14.83	ng/ul#	64
92) Indeno(1,2,3-cd)pyrene	25.52	276	99813	5.76	ng/ul#	77
94) Benzo(g,h,i)perylene	26.20	276	111807m	7.95	ng/ul	

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



#14

Acetophenone

Concen: 3.33 ng/ul

RT: 8.22 min Scan# 942

Delta R.T. -0.03 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Instrument :

BNA_G

ClientSampleId :

C01P9

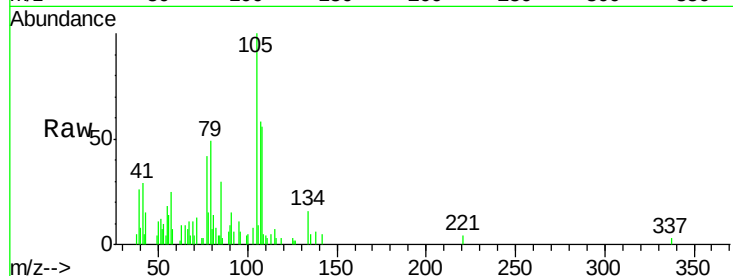
Tot Ion:105 Resp: 13619

Ion Ratio Lower Upper

105 100

77 42.0 67.5 101.3#

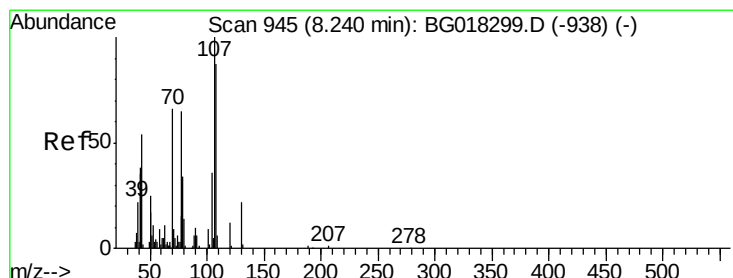
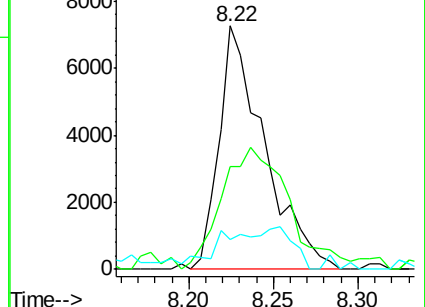
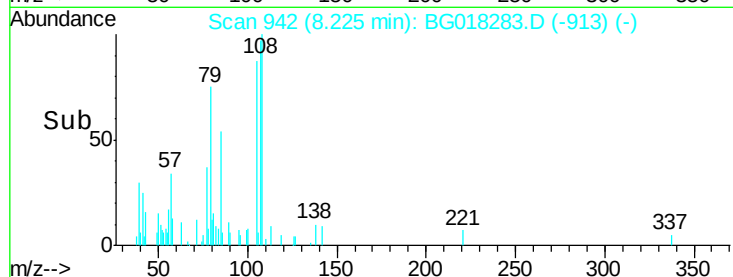
51 12.4 23.6 35.4#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 51.00 (50.70 to 51.70): BG



#16

4-Methylphenol

Concen: 3.01 ng/ul

RT: 8.24 min Scan# 944

Delta R.T. 0.01 min

Lab File: BG018283.D

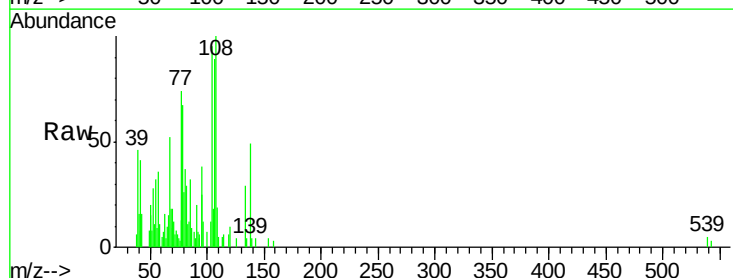
Acq: 5 Aug 2015 22:37

Tgt Ion:108 Resp: 8259

Ion Ratio Lower Upper

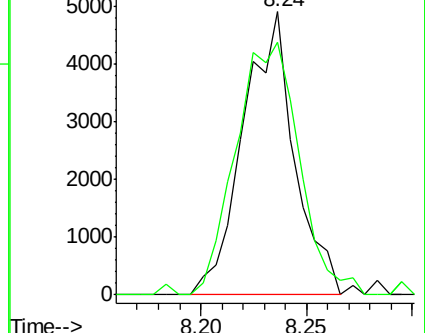
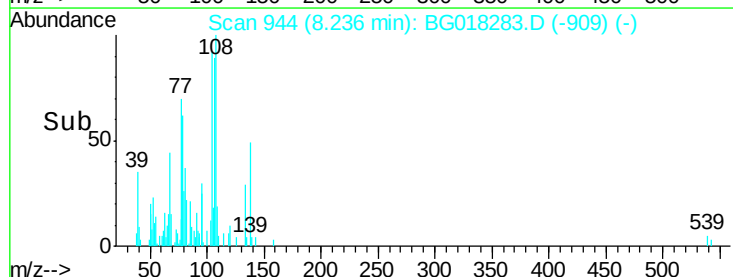
108 100

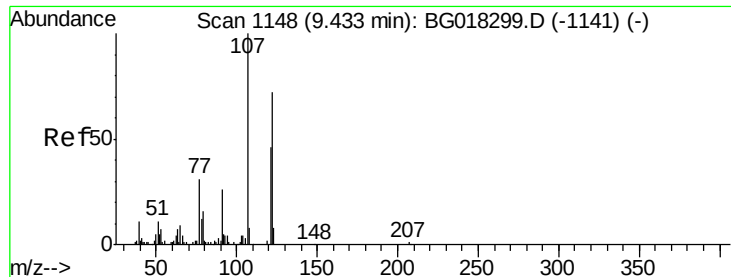
107 89.2 89.9 134.9#



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

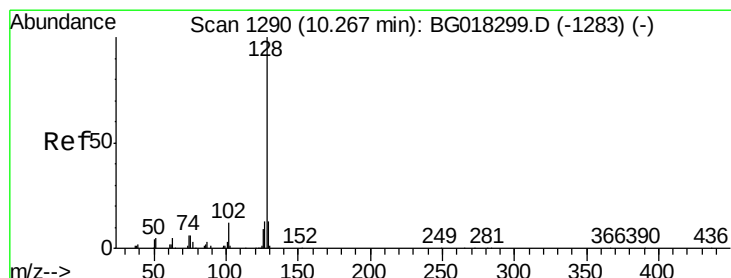
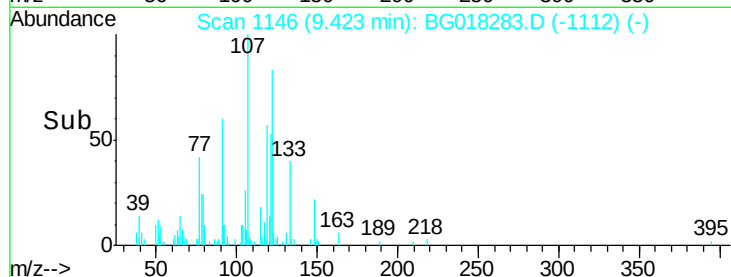
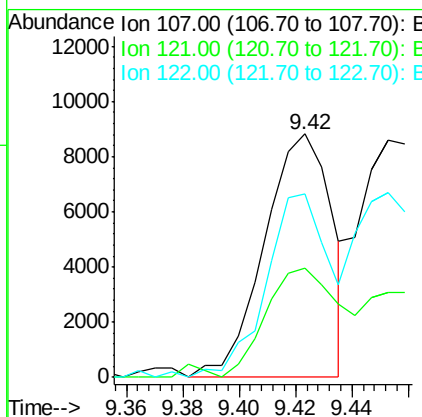
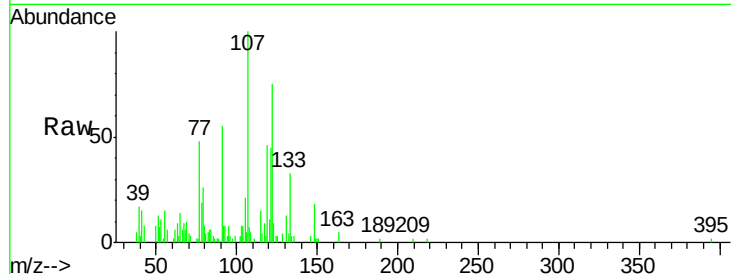




#24
2,4-Dimethylphenol
Concen: 4.49 ng/ul
RT: 9.42 min Scan# 1146
Delta R.T. 0.00 min
Lab File: BG018283.D
Acq: 5 Aug 2015 22:37

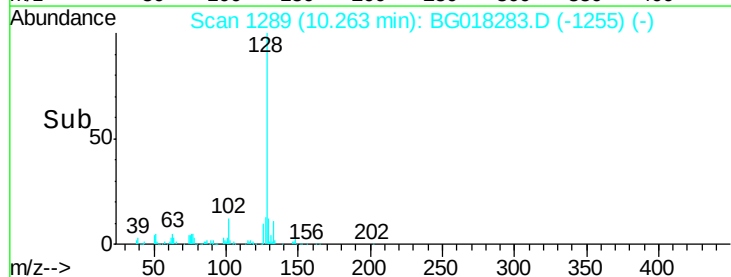
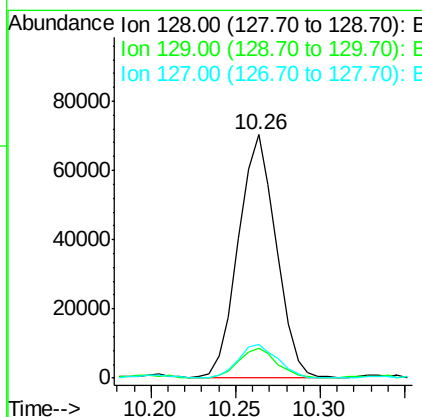
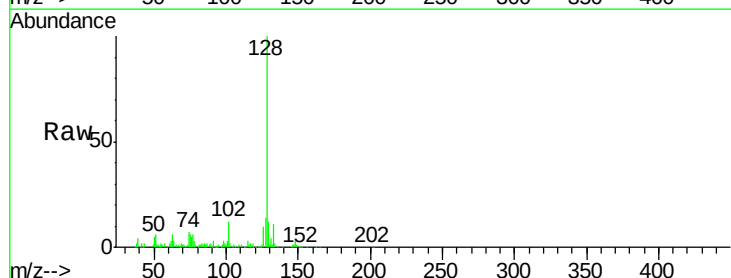
Instrument :
BNA_G
ClientSampleId :
C01P9

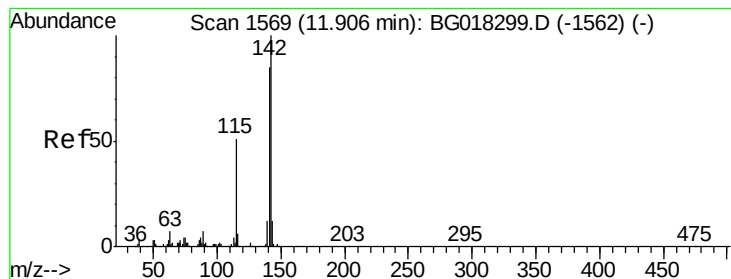
Tot Ion:107 Resp: 14647
Ion Ratio Lower Upper
107 100
121 45.0 34.8 52.2
122 75.1 55.5 83.3



#28
Naphthalene
Concen: 14.41 ng/ul
RT: 10.26 min Scan# 1289
Delta R.T. 0.00 min
Lab File: BG018283.D
Acq: 5 Aug 2015 22:37

Tgt Ion:128 Resp: 109628
Ion Ratio Lower Upper
128 100
129 12.3 7.8 11.6#
127 13.7 10.2 15.4





#34

2-Methylnaphthalene

Concen: 11.20 ng/ul

RT: 11.90 min Scan# 1567

Delta R.T. 0.00 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Instrument :

BNA_G

ClientSampleId :

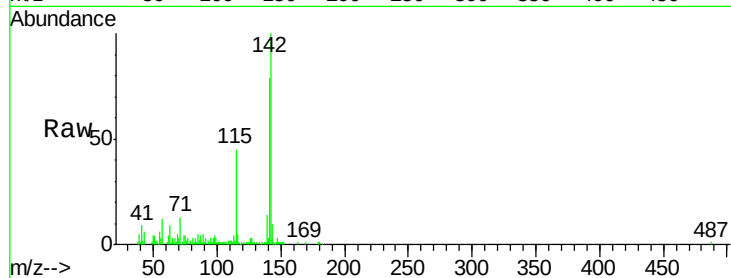
C01P9

Tot Ion:142 Resp: 68348

Ion Ratio Lower Upper

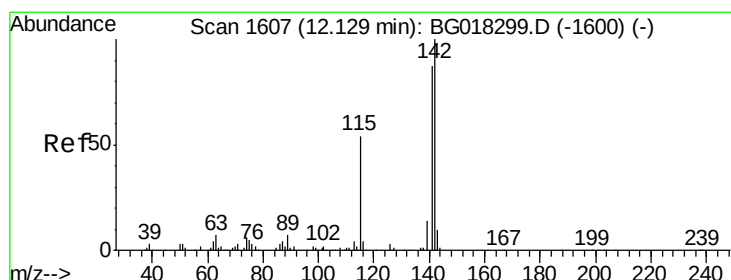
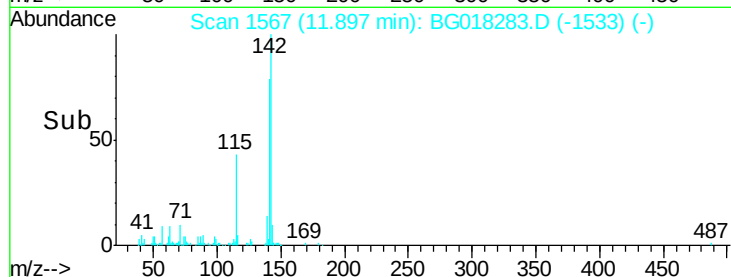
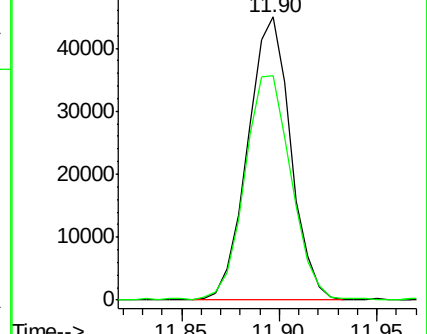
142 100

141 79.4 65.9 98.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 7.68 ng/ul

RT: 12.12 min Scan# 1605

Delta R.T. 0.00 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

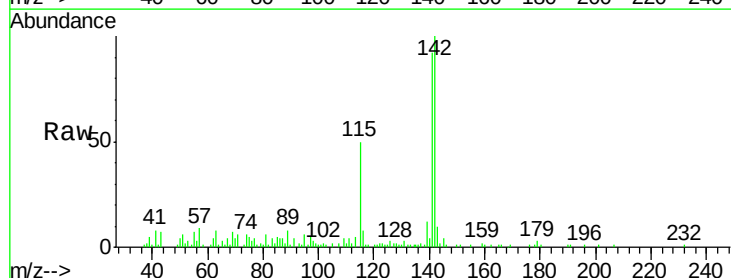
Tgt Ion:142 Resp: 45315

Ion Ratio Lower Upper

142 100

141 91.8 69.0 103.4

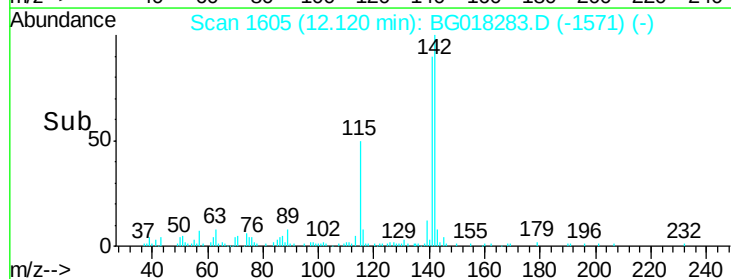
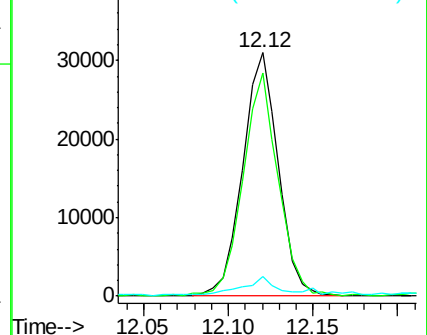
116 8.3 4.2 6.4#

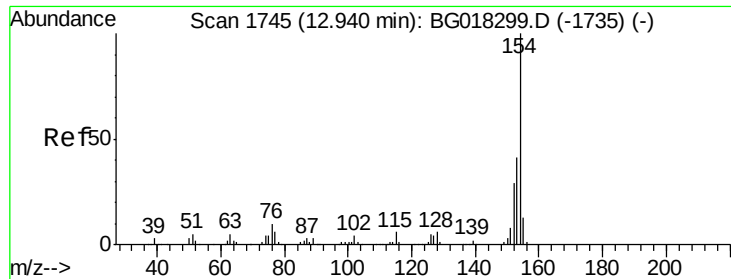


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

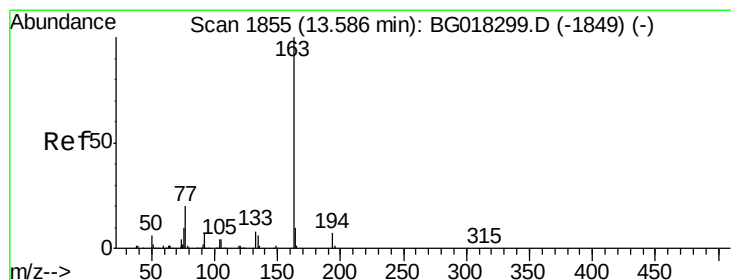
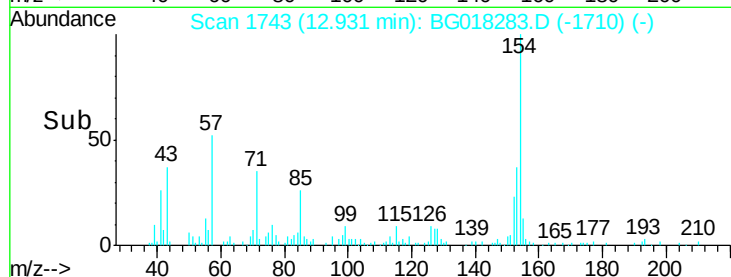
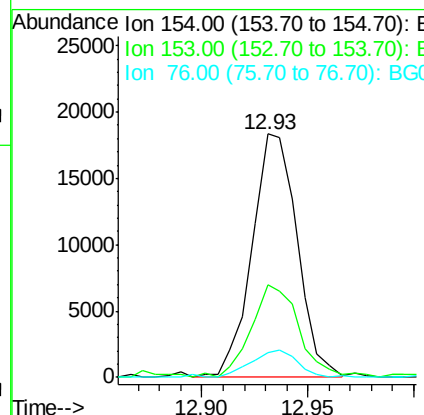
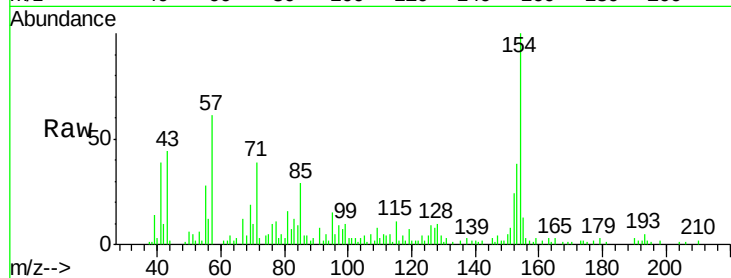




#41
 1,1'-Biphenyl
 Concen: 4.41 ng/ul
 RT: 12.93 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: BG018283.D
 Acq: 5 Aug 2015 22:37

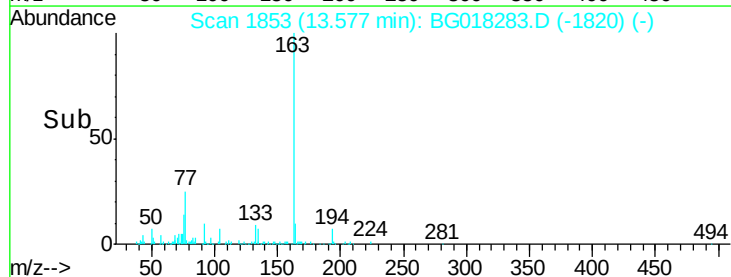
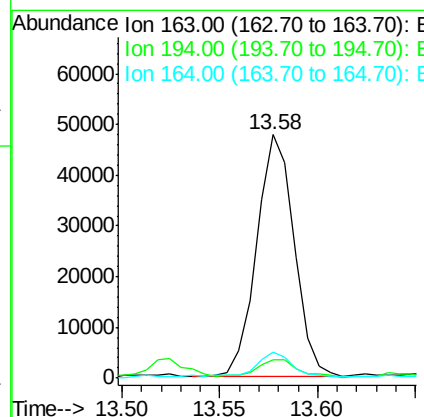
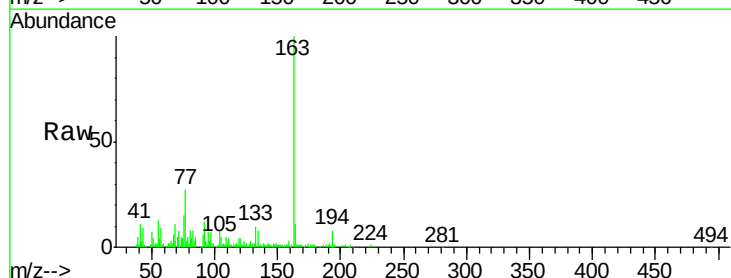
Instrument :
 BNA_G
 ClientSampleID :
 C01P9

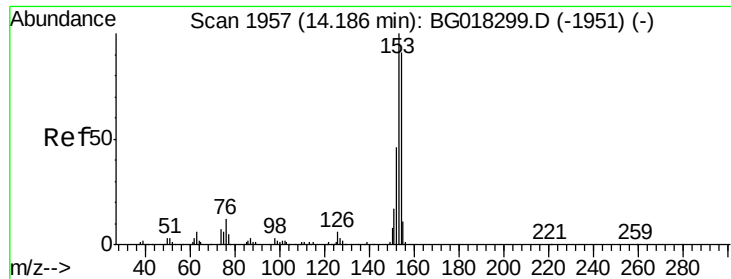
Tot Ion:154	Resp:	27301	
Ion Ratio	Lower	Upper	
154	100		
153	38.1	33.4	50.0
76	10.2	8.6	12.8



#45
 Dimethylphthalate
 Concen: 9.18 ng/ul
 RT: 13.58 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: BG018283.D
 Acq: 5 Aug 2015 22:37

Tgt Ion:163	Resp: 63616
Ion Ratio	Lower Upper
163 100	
194 7.7	5.4 8.2
164 10.6	7.8 11.8





#50

Acenaphthene

Concen: 11.96 ng/ul

RT: 14.18 min Scan# 1955

Delta R.T. -0.00 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Instrument :

BNA_G

ClientSampleId :

C01P9

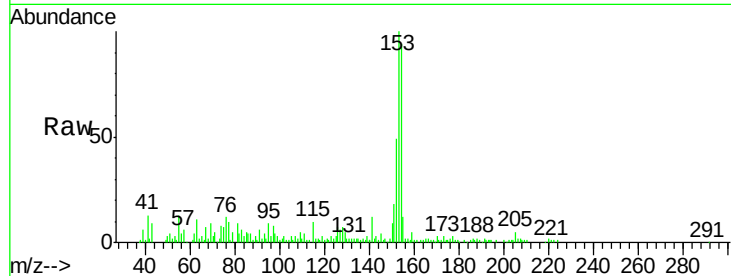
Tot Ion:153 Resp: 62721

Ion Ratio Lower Upper

153 100

152 49.2 39.0 58.4

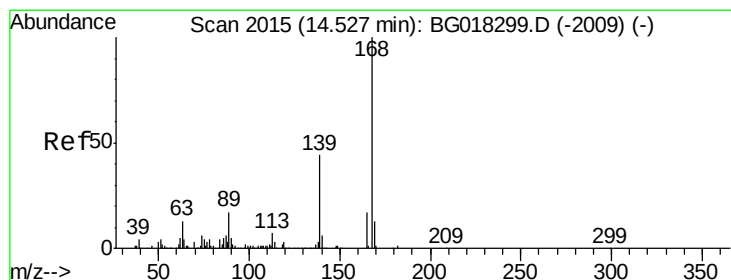
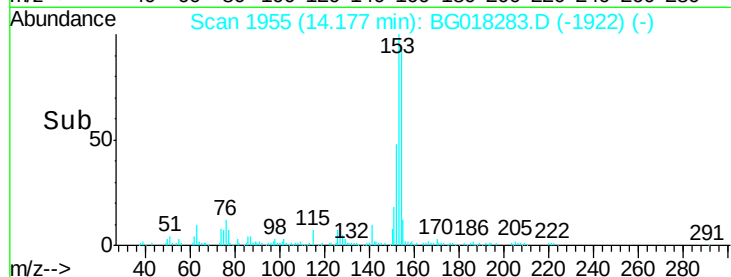
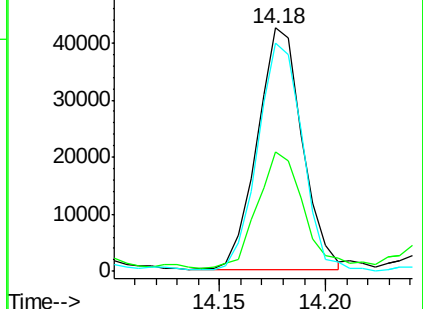
154 94.0 77.4 116.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 7.91 ng/ul

RT: 14.52 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BG018283.D

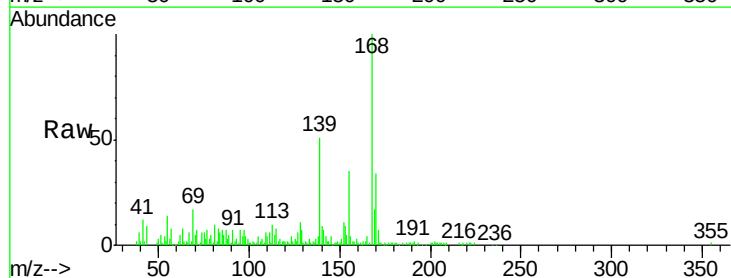
Acq: 5 Aug 2015 22:37

Tgt Ion:168 Resp: 61092

Ion Ratio Lower Upper

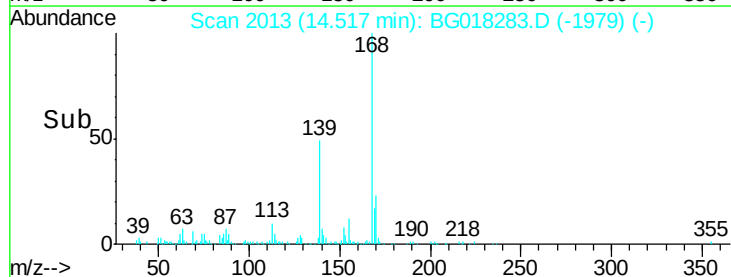
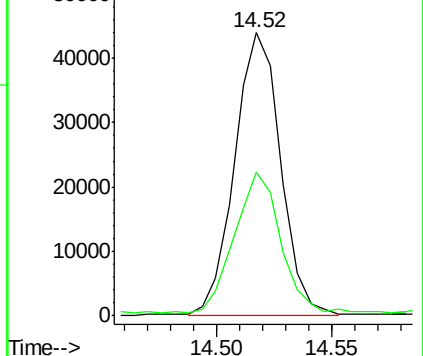
168 100

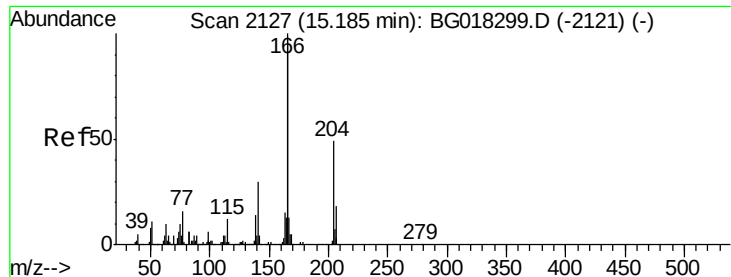
139 50.9 37.1 55.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 9.39 ng/ul

RT: 15.18 min Scan# 2125

Delta R.T. 0.00 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Instrument :

BNA_G

ClientSampleId :

C01P9

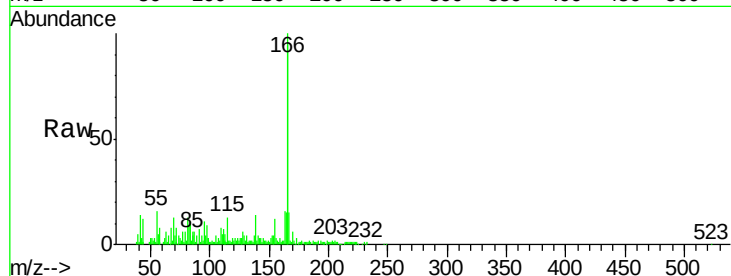
Tot Ion:166 Resp: 63700

Ion Ratio Lower Upper

166 100

165 96.0 72.4 108.6

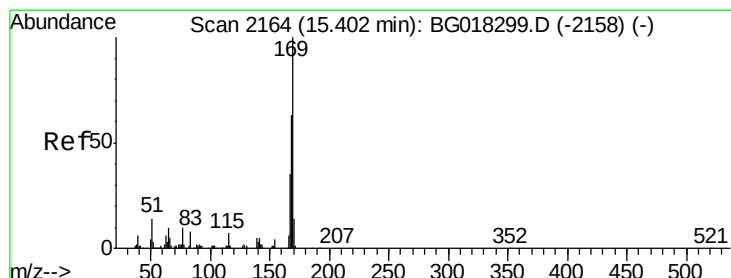
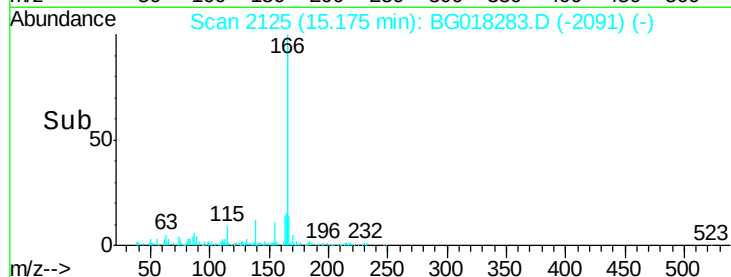
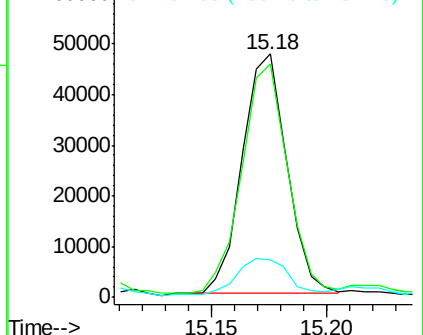
167 15.3 11.4 17.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#65

N-Nitrosodiphenylamine

Concen: 4.41 ng/ul

RT: 15.40 min Scan# 2163

Delta R.T. 0.01 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

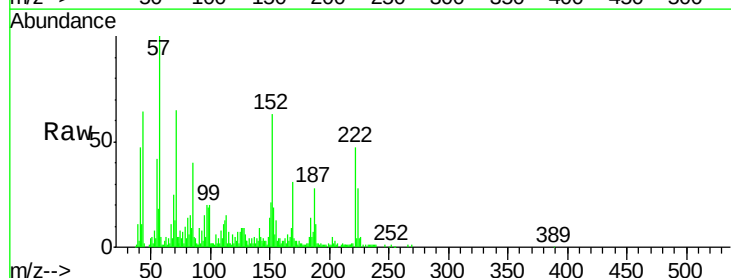
Tgt Ion:169 Resp: 18433

Ion Ratio Lower Upper

169 100

168 28.6 50.2 75.2#

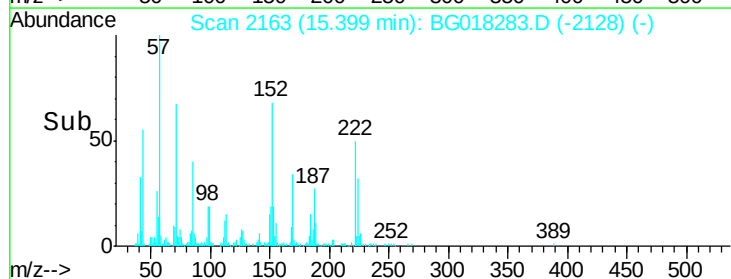
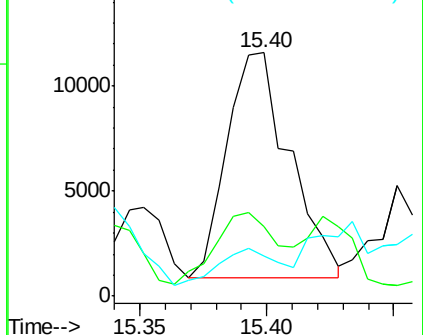
167 16.5 27.3 40.9#

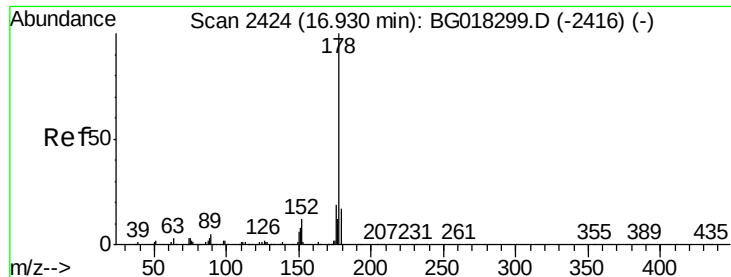


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

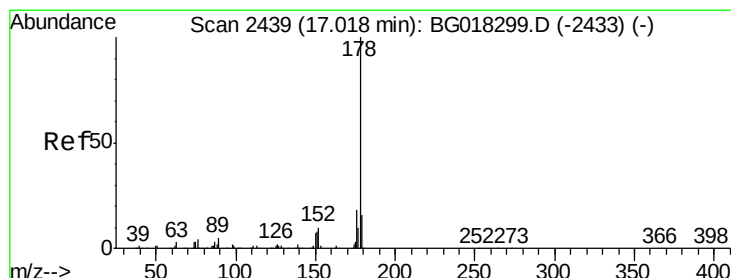
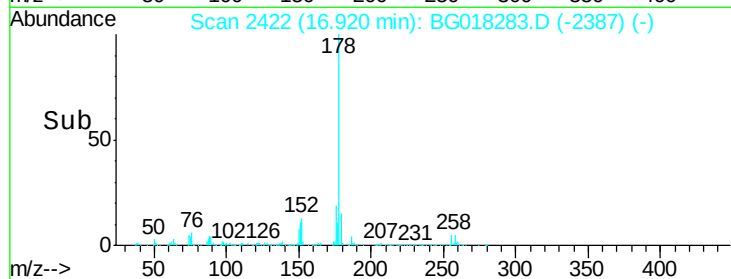
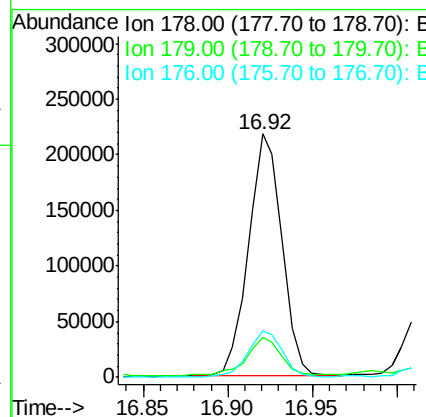
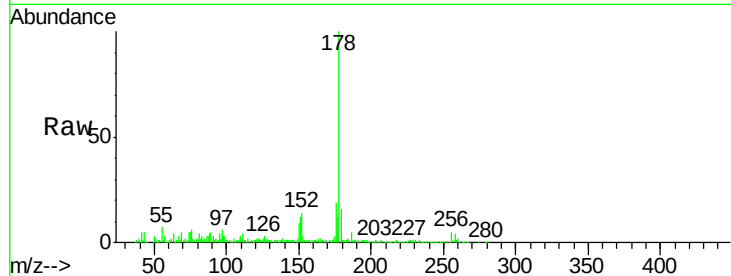




#70
Phenanthrene
Concen: 37.11 ng/ul
RT: 16.92 min Scan# 2422
Delta R.T. 0.01 min
Lab File: BG018283.D
Acq: 5 Aug 2015 22:37

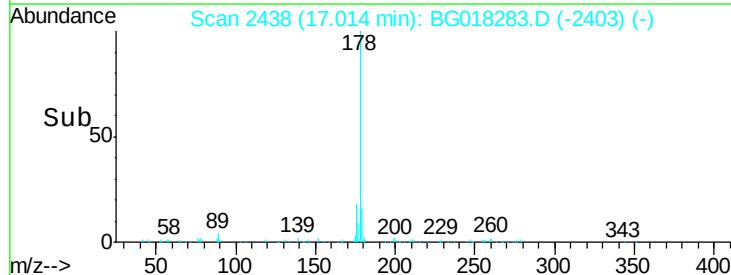
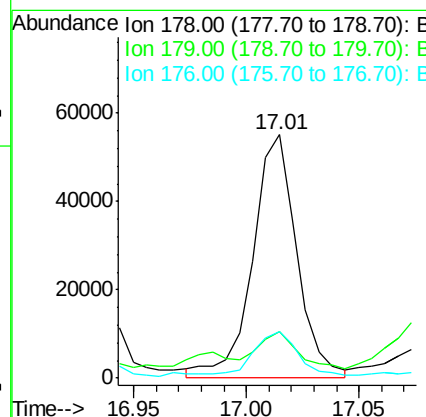
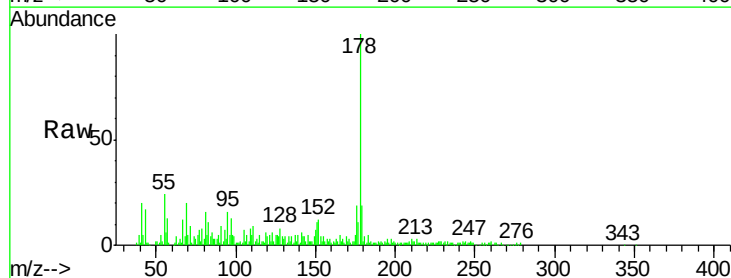
Instrument :
BNA_G
ClientSampled :
C01P9

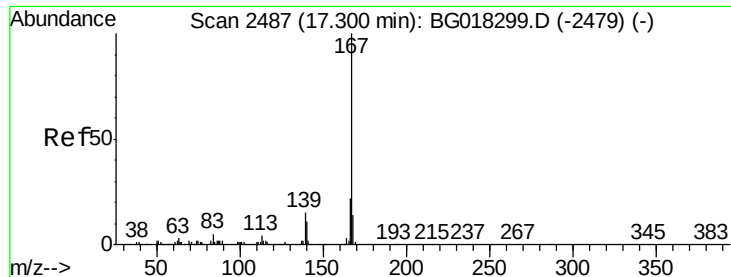
Tot Ion:178 Resp: 297849
Ion Ratio Lower Upper
178 100
179 16.3 12.2 18.4
176 19.1 14.5 21.7



#72
Anthracene
Concen: 9.39 ng/ul m
RT: 17.01 min Scan# 2438
Delta R.T. 0.01 min
Lab File: BG018283.D
Acq: 5 Aug 2015 22:37

Tgt Ion:178 Resp: 75198
Ion Ratio Lower Upper
178 100
179 19.1 12.2 18.4#
176 19.2 15.3 22.9

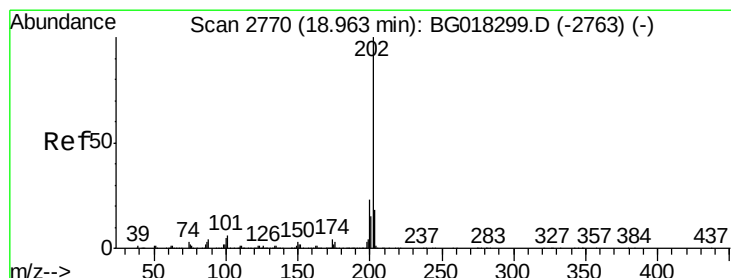
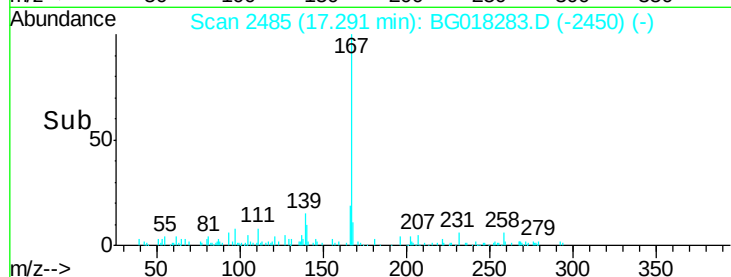
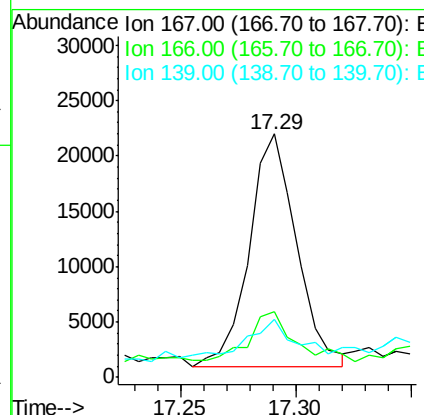
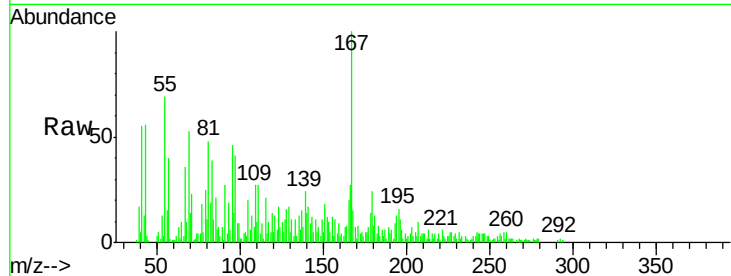




#75
 Carbazole
 Concen: 4.45 ng/ul
 RT: 17.29 min Scan# 2485
 Delta R.T. 0.01 min
 Lab File: BG018283.D
 Acq: 5 Aug 2015 22:37

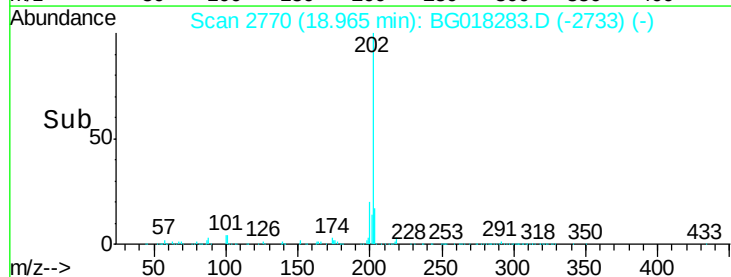
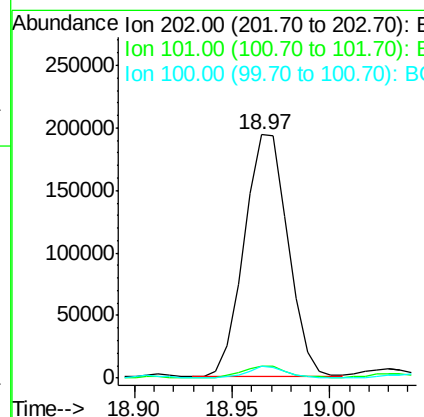
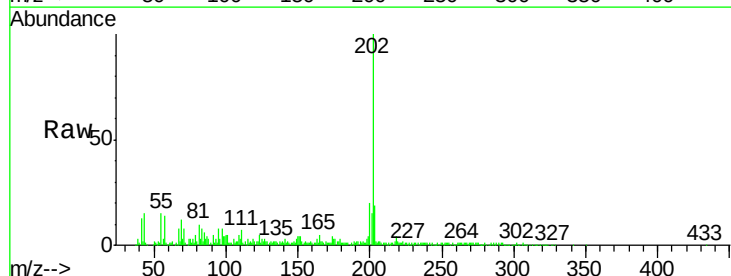
Instrument :
 BNA_G
 ClientSampleId :
 C01P9

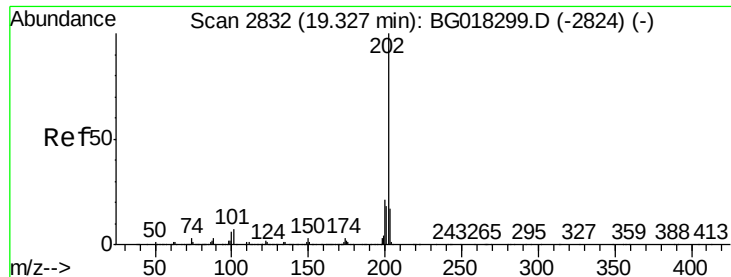
Tot Ion	Ion	Ratio	Lower	Upper
167	100			
166	27.1	17.8	26.8	#
139	23.8	10.6	16.0	#



#77
 Fluoranthene
 Concen: 33.61 ng/ul
 RT: 18.97 min Scan# 2770
 Delta R.T. 0.02 min
 Lab File: BG018283.D
 Acq: 5 Aug 2015 22:37

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	4.7	6.2	9.2	#
100	4.7	4.6	6.8	

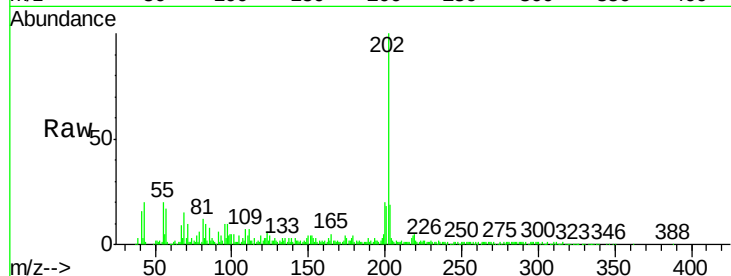




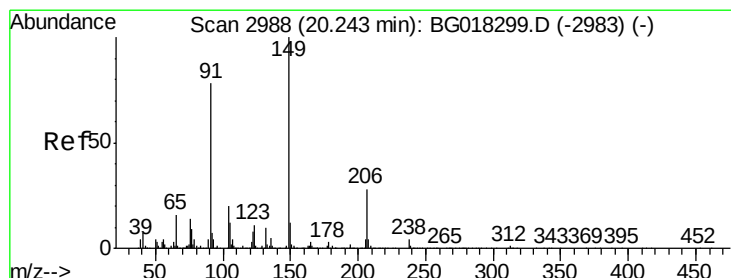
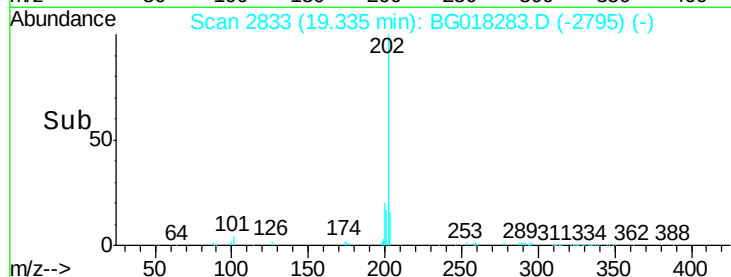
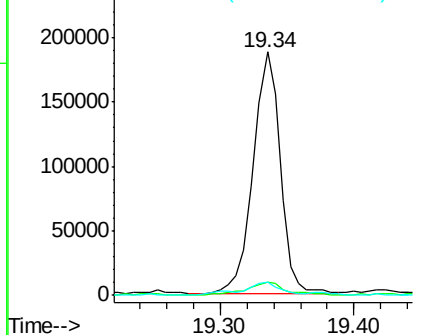
#80
Pvrene
Concen: 18.62 ng/ul
RT: 19.34 min Scan# 2833
Delta R.T. 0.03 min
Lab File: BG018283.D
Acq: 5 Aug 2015 22:37

Instrument :
BNA_G
ClientSampleId :
C01P9

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.5	6.2	9.2#
100	5.4	4.6	7.0

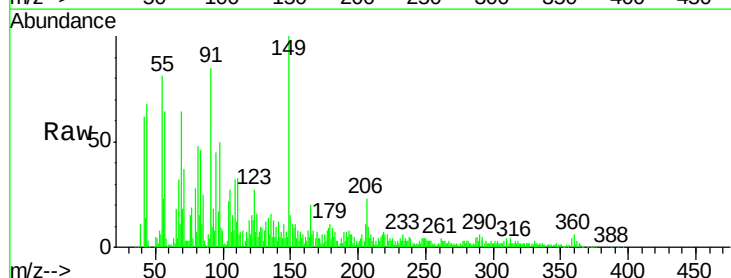


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

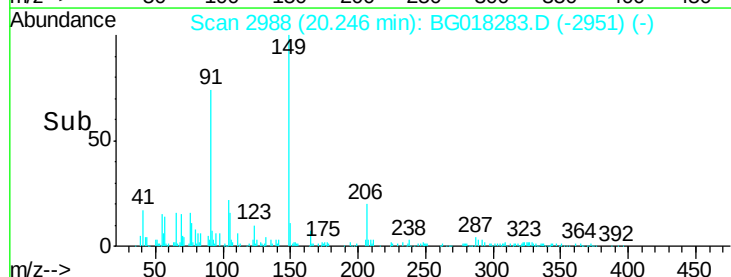
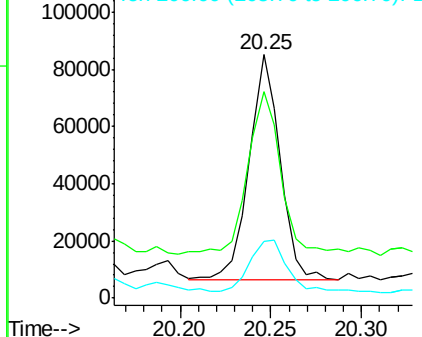


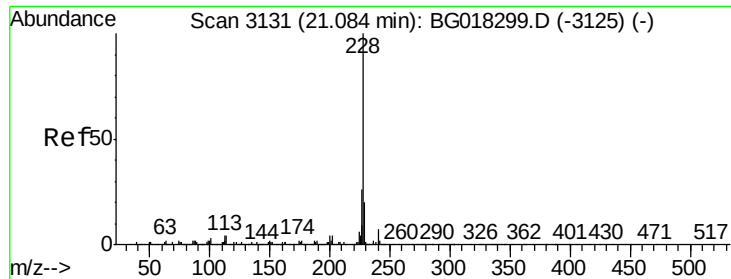
#81
Butylbenzylphthalate
Concen: 16.96 ng/ul
RT: 20.25 min Scan# 2988
Delta R.T. 0.02 min
Lab File: BG018283.D
Acq: 5 Aug 2015 22:37

Tgt Ion	Ratio	Lower	Upper
149	100		
91	84.7	58.2	87.2
206	23.2	19.9	29.9



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): B
Ion 206.00 (205.70 to 206.70): E

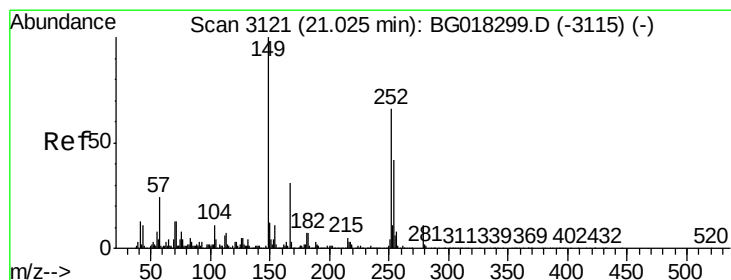
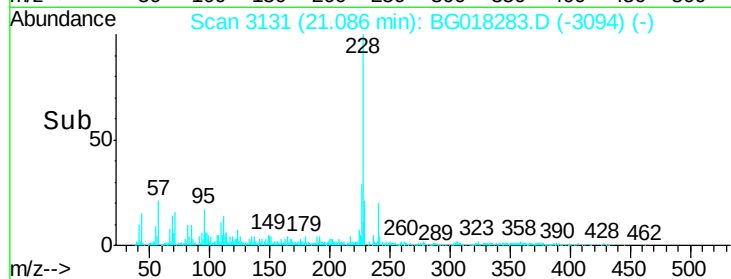
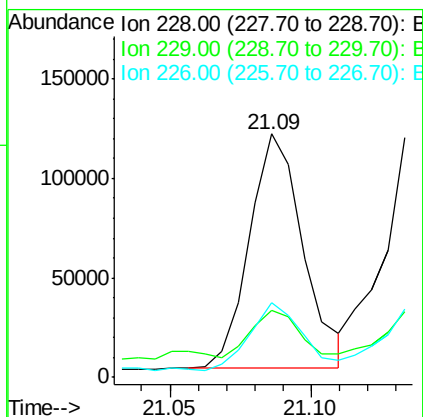
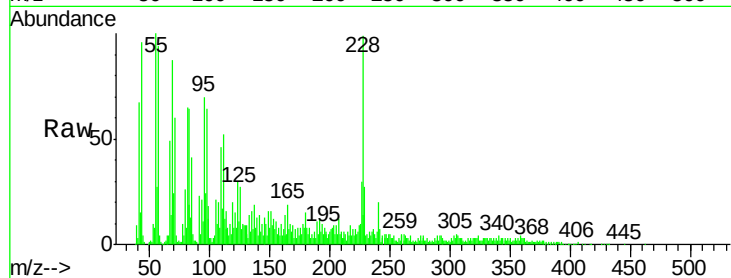




#83
Benzo(a)anthracene
Concen: 14.44 ng/ul
RT: 21.09 min Scan# 3131
Delta R.T. 0.02 min
Lab File: BG018283.D
Acq: 5 Aug 2015 22:37

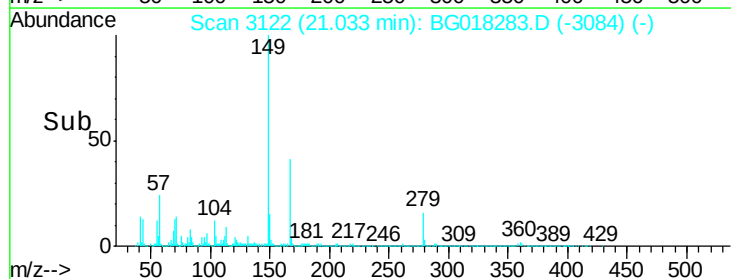
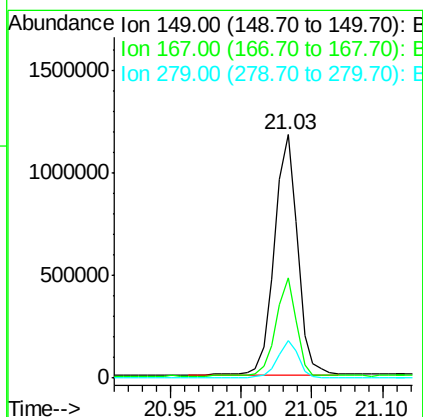
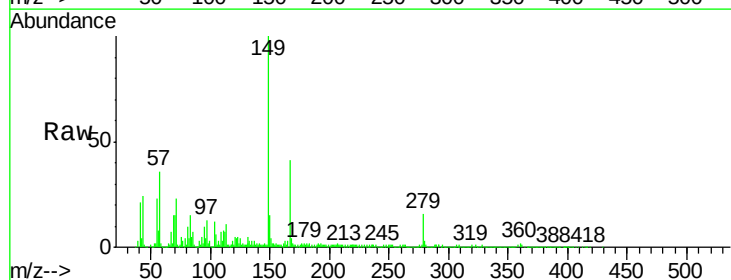
Instrument :
BNA_G
ClientSampleId :
C01P9

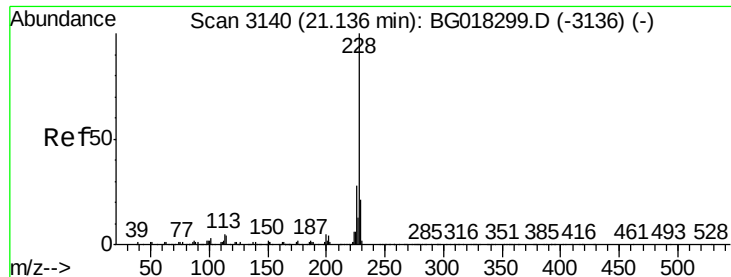
Tot Ion:228 Resp: 153978
Ion Ratio Lower Upper
228 100
229 27.6 16.3 24.5#
226 30.5 21.2 31.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 206.87 ng/ul
RT: 21.03 min Scan# 3122
Delta R.T. 0.03 min
Lab File: BG018283.D
Acq: 5 Aug 2015 22:37

Tgt Ion:149 Resp: 1356420
Ion Ratio Lower Upper
149 100
167 41.1 26.4 39.6#
279 15.7 8.6 12.8#





#85

Chrysene

Concen: 19.94 ng/ul

RT: 21.14 min Scan# 3140

Delta R.T. 0.02 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Instrument :

BNA_G

ClientSampleId :

C01P9

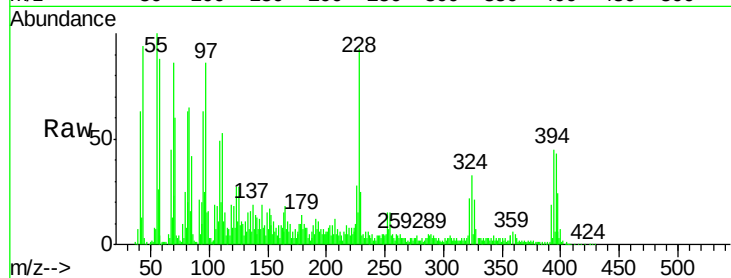
Tot Ion:228 Resp: 191081

Ion Ratio Lower Upper

228 100

226 29.6 23.0 34.6

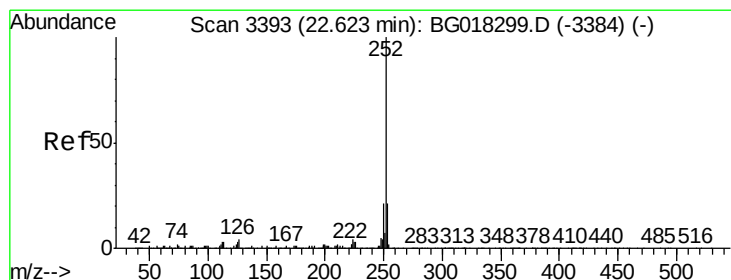
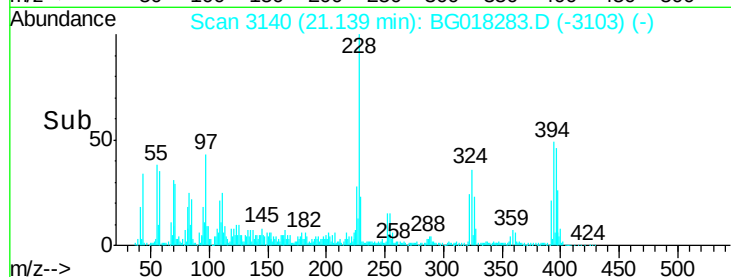
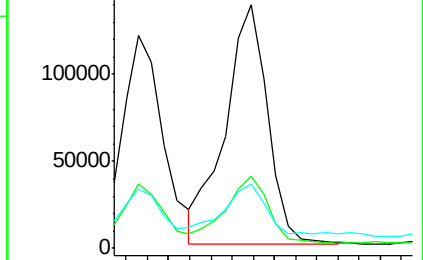
229 26.6 15.9 23.9#



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



#88

Benzo(b)fluoranthene

Concen: 21.65 ng/ul

RT: 22.64 min Scan# 3396

Delta R.T. 0.05 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

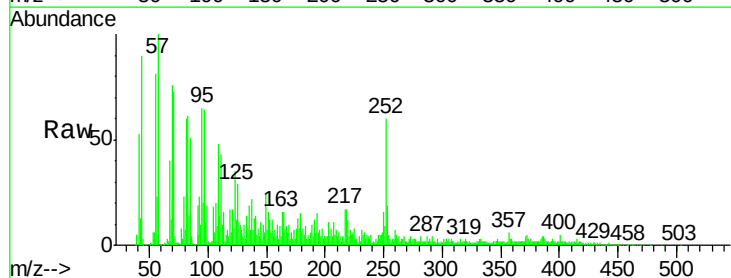
Tgt Ion:252 Resp: 347120

Ion Ratio Lower Upper

252 100

253 32.4 18.1 27.1#

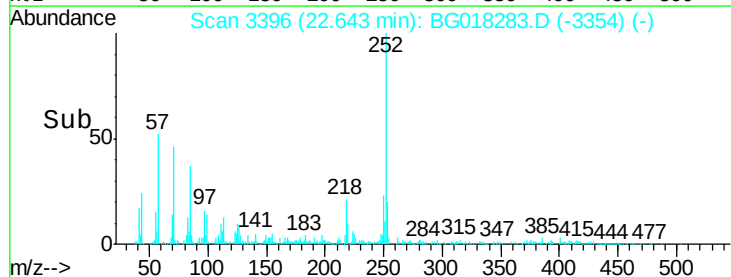
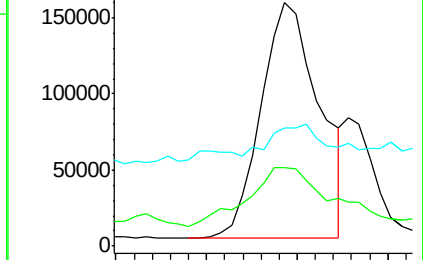
125 48.6 3.1 4.7#

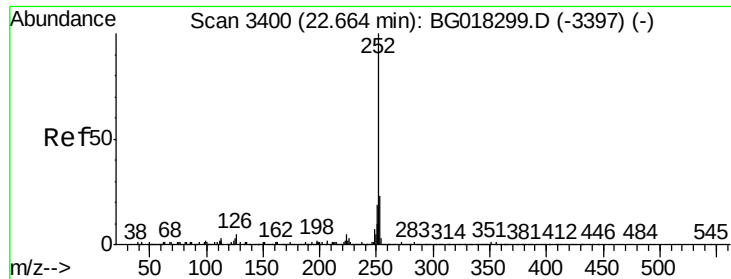


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 6.67 ng/ul m

RT: 22.68 min Scan# 3402

Delta R.T. 0.04 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Instrument :

BNA_G

ClientSampleId :

C01P9

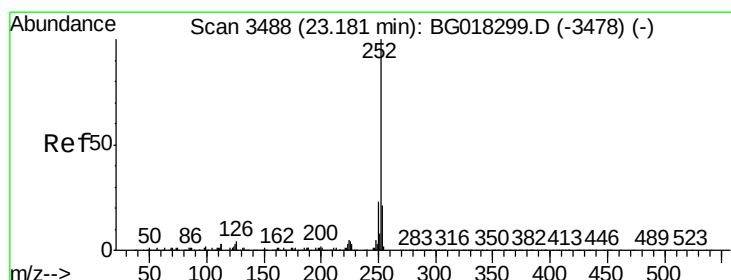
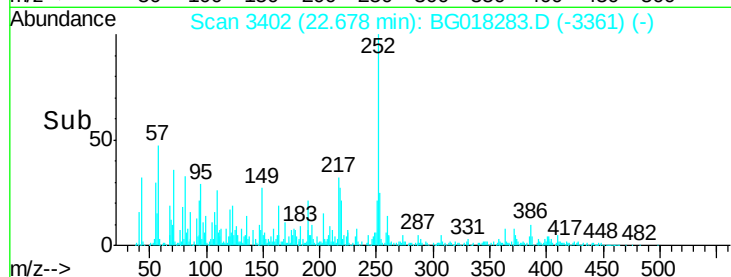
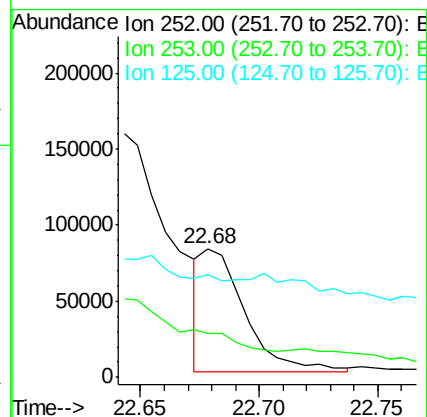
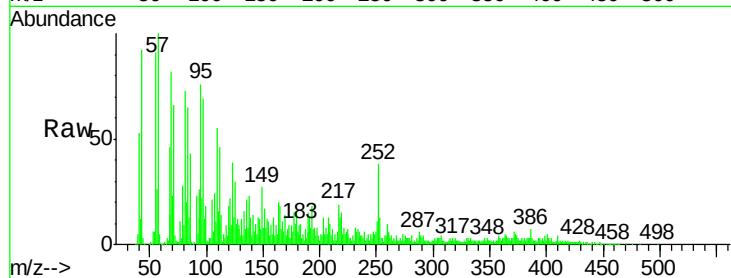
Tot Ion:252 Resp: 102615

Ion Ratio Lower Upper

252 100

253 34.2 16.4 24.6#

125 79.9 3.4 5.2#



#91

Benzo(a)pyrene

Concen: 14.83 ng/ul

RT: 23.21 min Scan# 3492

Delta R.T. 0.06 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

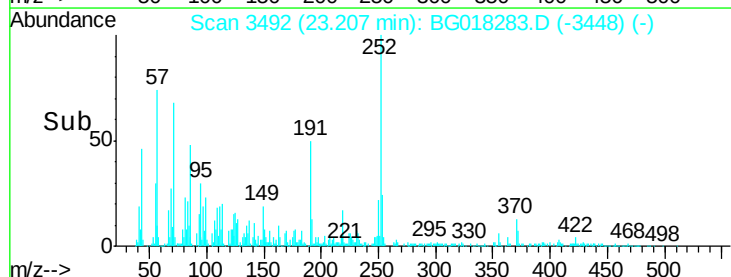
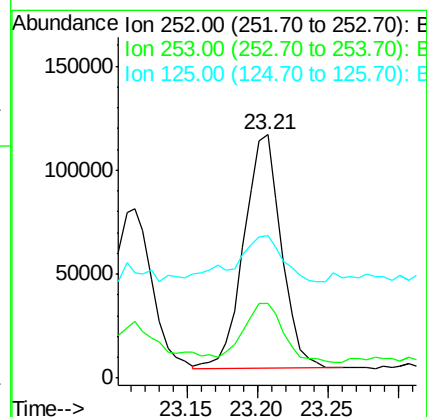
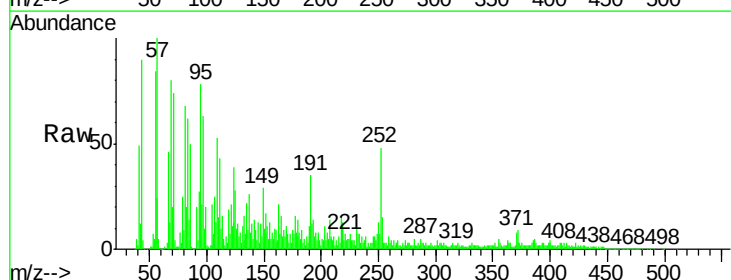
Tgt Ion:252 Resp: 207588

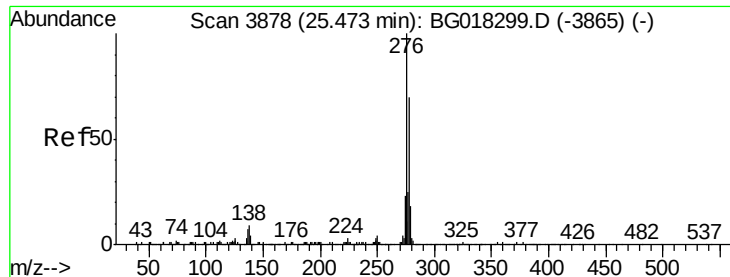
Ion Ratio Lower Upper

252 100

253 30.8 18.9 28.3#

125 58.4 3.2 4.8#





#92

Indeno(1,2,3-cd)pyrene

Concen: 5.76 ng/ul

RT: 25.52 min Scan# 3885

Delta R.T. 0.10 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Instrument :

BNA_G

ClientSampleId :

C01P9

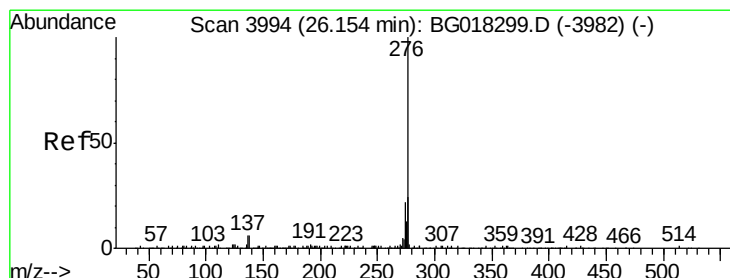
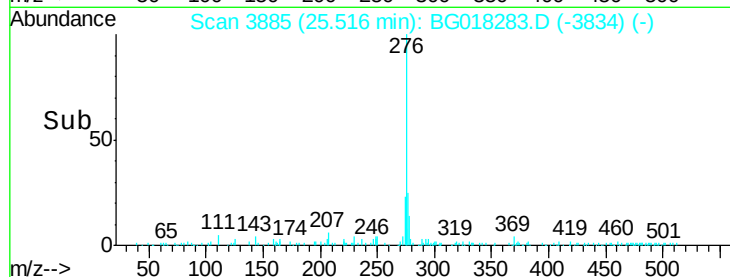
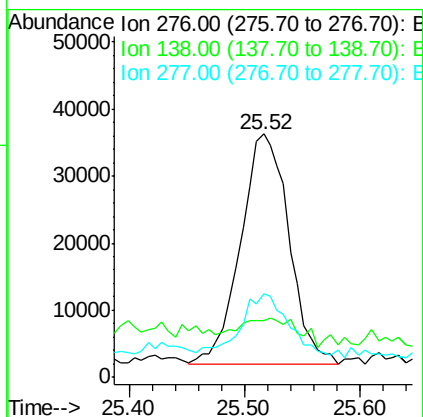
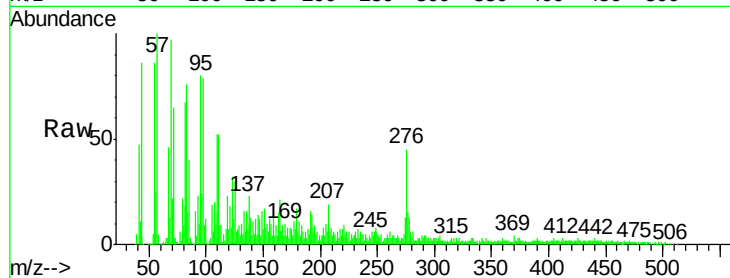
Tot Ion:276 Resp: 99813

Ion Ratio Lower Upper

276 100

138 23.4 8.2 12.4#

277 34.2 20.1 30.1#



#94

Benzo(g,h,i)perylene

Concen: 7.95 ng/ul m

RT: 26.20 min Scan# 4002

Delta R.T. 0.12 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Tgt Ion:276 Resp: 111807

Ion Ratio Lower Upper

276 100

138 19.2 6.0 9.0#

277 27.7 21.1 31.7

