

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082815\
 Data File : BG018525.D
 Acq On : 28 Aug 2015 22:53
 Operator : UM/MA
 Sample : G3448-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 31 03:27:50 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 31 03:29:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	73164	20.00	ng/ul	0.00
18) Naphthalene-d8	10.82	136	353685	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.63	164	228730	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.38	188	566293	20.00	ng/ul	0.00
78) Chrysene-d12	21.64	240	538740	20.00	ng/ul	0.00
86) Perylene-d12	24.84	264	541821	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	1458	0.88	ng/uL	0.00
5) Phenol-d5	7.17	99	83006	12.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.33	67	52753	12.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.54	132	63030	12.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.71	113	71213	12.76	ng/ul	0.00
19) Nitrobenzene-d5	9.16	128	35136	12.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.89	143	35724	12.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.43	165	74416	12.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.94	131	86144	12.79	ng/ul	0.00
44) Dimethylphthalate-d6	14.04	166	256445	13.33	ng/ul	0.00
47) Acenaphthylene-d8	14.33	160	320669	13.23	ng/ul	0.00
52) 4-Nitrophenol-d4	14.82	143	37239	10.76	ng/ul	0.00
58) Fluorene-d10	15.63	176	232720	13.88	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.74	200	25463	9.14	ng/ul	0.00
71) Anthracene-d10	17.48	188	373684	13.80	ng/ul	0.00
79) Pyrene-d10	19.76	212	371593	13.29	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.62	264	369922	12.86	ng/ul	0.00

Target Compounds

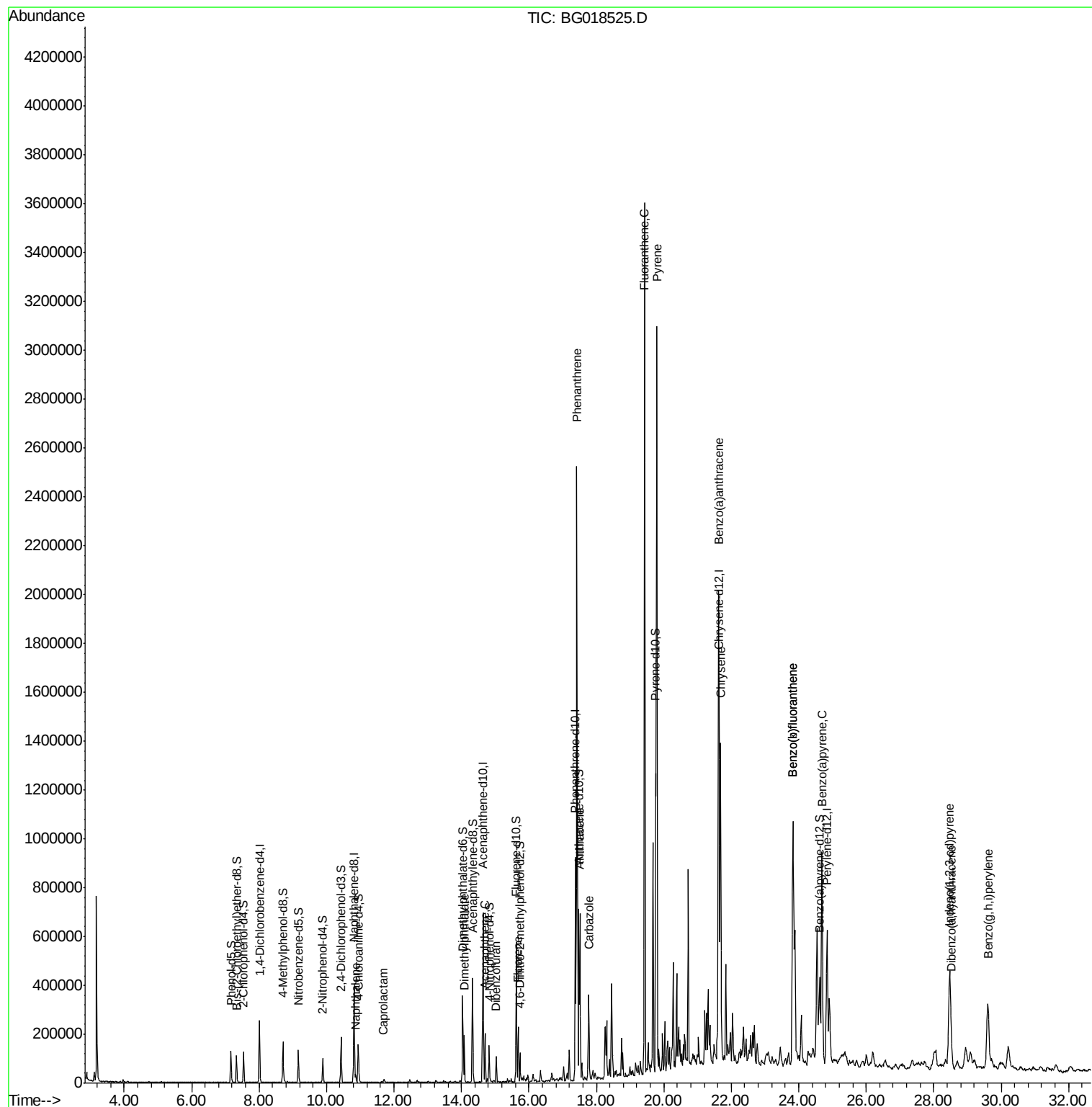
						Ovalue
28) Naphthalene	10.86	128	30302	1.62	ng/ul	99
32) Caprolactam	11.70	113	2913	1.30	ng/ul	94
45) Dimethylphthalate	14.08	163	123107	6.49	ng/ul	99
50) Acenaphthene	14.70	153	83266	4.88	ng/ul	96
54) Dibenzofuran	15.03	168	62547	2.81	ng/ul	99
59) Fluorene	15.68	166	94109	4.91	ng/ul	97
70) Phenanthrene	17.43	178	1500247	48.83	ng/ul	95
72) Anthracene	17.51	178	431726	13.79	ng/ul	100
75) Carbazole	17.78	167	234705	8.55	ng/ul	98
77) Fluoranthene	19.43	202	2122960	64.70	ng/ul#	92
80) Pyrene	19.79	202	1789326	49.12	ng/ul#	92
83) Benzo(a)anthracene	21.62	228	1000821	29.96	ng/ul	96
85) Chrysene	21.69	228	873466	27.97	ng/ul	98
88) Benzo(b)fluoranthene	23.83	252	1246023	36.60	ng/ul#	97
89) Benzo(k)fluoranthene	23.83	252	1246023	38.01	ng/ul	97
91) Benzo(a)pyrene	24.69	252	881910	27.25	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.48	276	627477	16.75	ng/ul	96
93) Dibenzo(a,h)anthracene	28.52	278	75663	2.43	ng/ul#	91
94) Benzo(g,h,i)perylene	29.61	276	496362	15.78	ng/ul	99

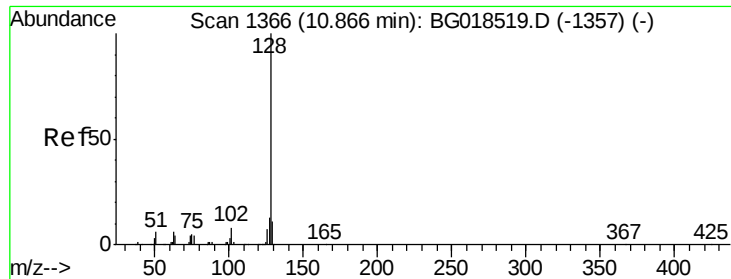
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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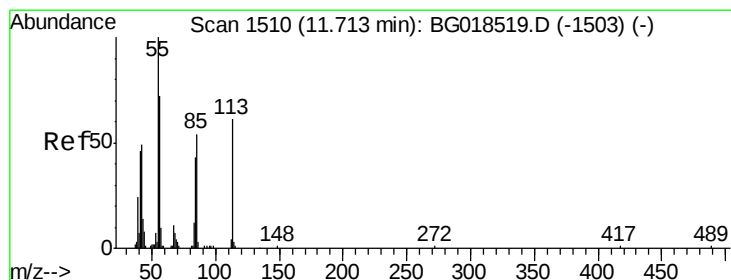
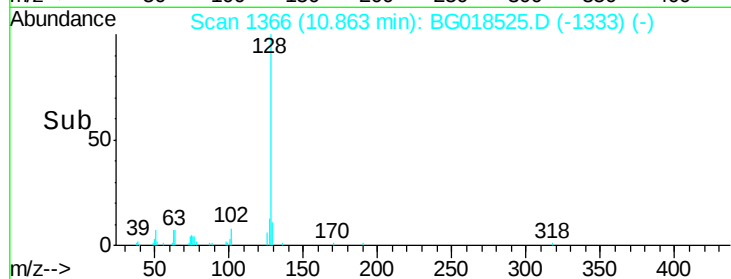
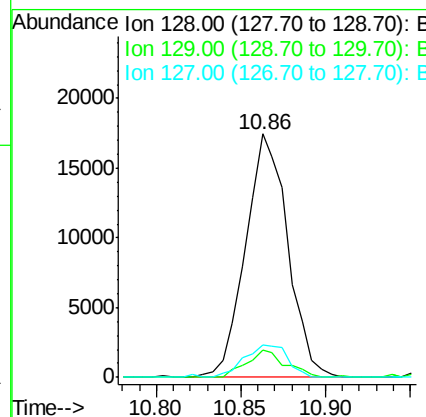
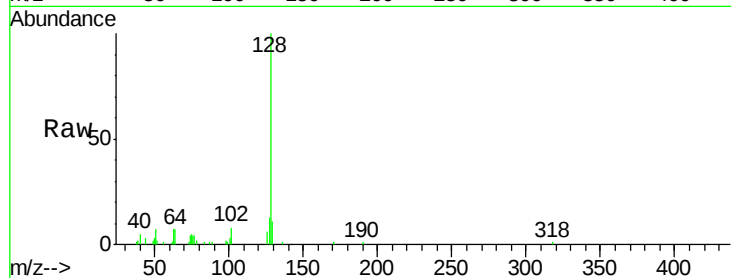




#28
Naphthalene
Concen: 1.62 ng/ul
RT: 10.86 min Scan# 1366
Delta R.T. -0.00 min
Lab File: BG018525.D
Acq: 28 Aug 2015 22:53

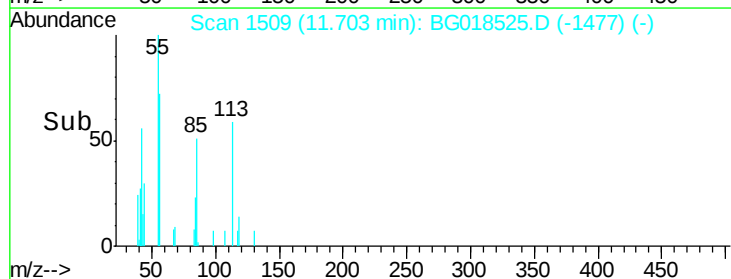
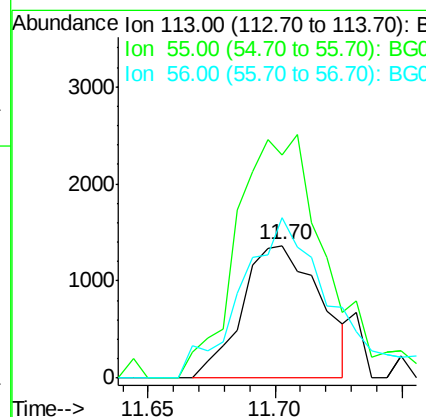
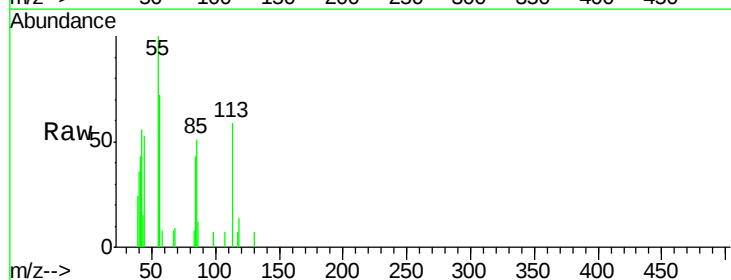
Instrument :
BNA_G
ClientSampleId :

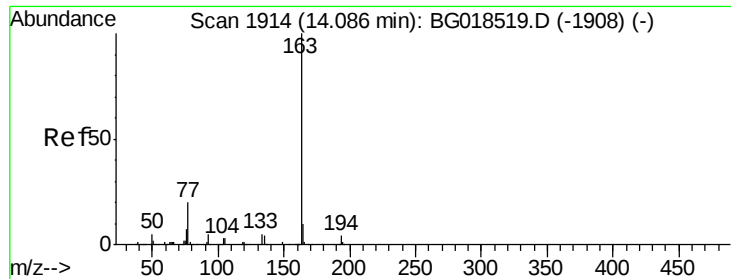
Tot Ion:128 Resp: 30302
Ion Ratio Lower Upper
128 100
129 11.3 9.6 14.4
127 13.1 10.5 15.7



#32
Caprolactam
Concen: 1.30 ng/ul
RT: 11.70 min Scan# 1509
Delta R.T. -0.01 min
Lab File: BG018525.D
Acq: 28 Aug 2015 22:53

Tgt Ion:113 Resp: 2913
Ion Ratio Lower Upper
113 100
55 168.8 124.2 186.4
56 121.5 98.2 147.4

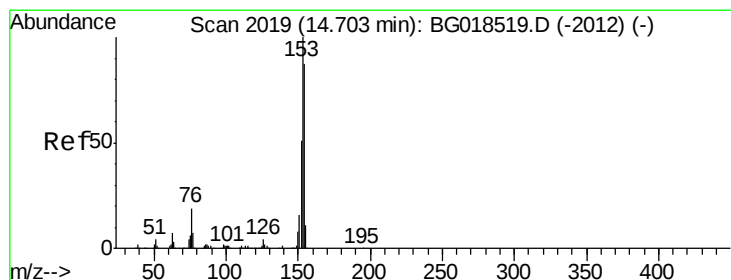
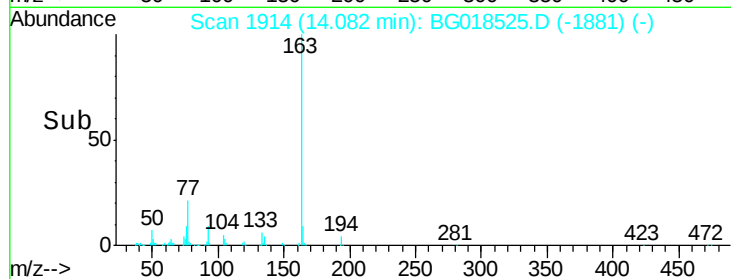
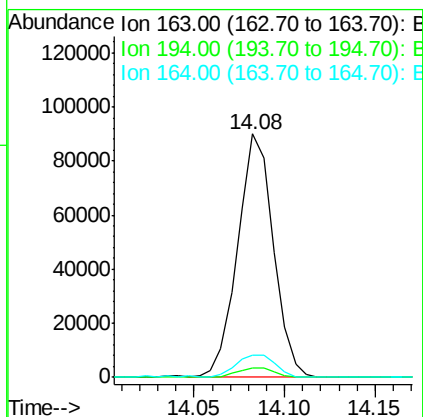
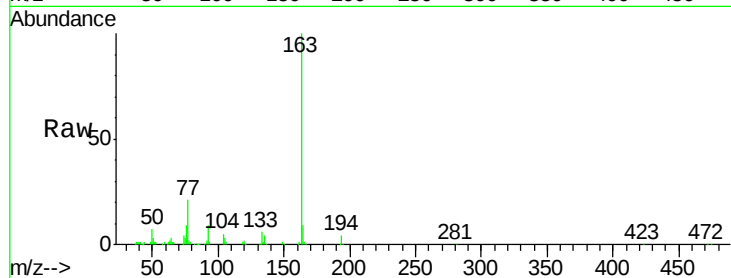




#45
Dimethylphthalate
Concen: 6.49 ng/ul
RT: 14.08 min Scan# 1914
Delta R.T. -0.00 min
Lab File: BG018525.D
Acq: 28 Aug 2015 22:53

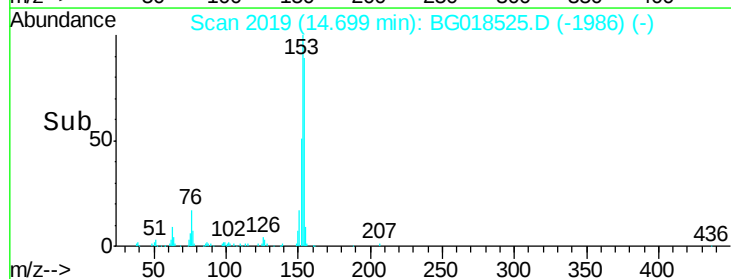
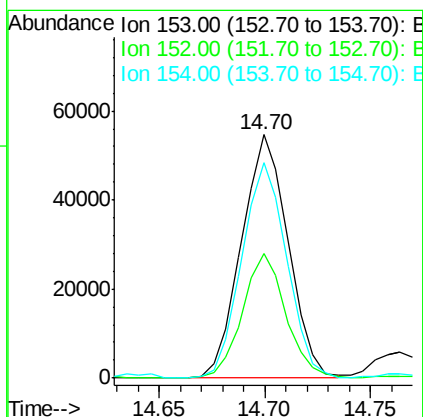
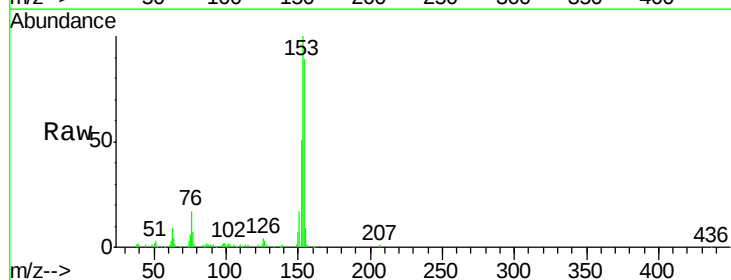
Instrument :
BNA_G
ClientSampleId :

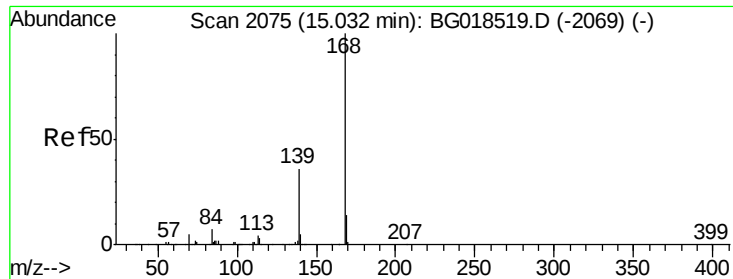
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.9	4.3
164	9.2	7.7	11.5



#50
Acenaphthene
Concen: 4.88 ng/ul
RT: 14.70 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BG018525.D
Acq: 28 Aug 2015 22:53

Tgt Ion	Ratio	Lower	Upper
153	100		
152	51.0	38.2	57.4
154	88.6	68.6	103.0





#54

Dibenzenofuran

Concen: 2.81 ng/ul

RT: 15.03 min Scan# 2076

Delta R.T. 0.00 min

Lab File: BG018525.D

Acq: 28 Aug 2015 22:53

Instrument :

BNA_G

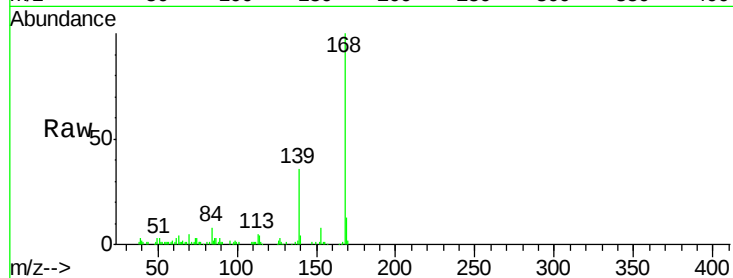
ClientSampleId :

Tot Ion:168 Resp: 62547

Ion Ratio Lower Upper

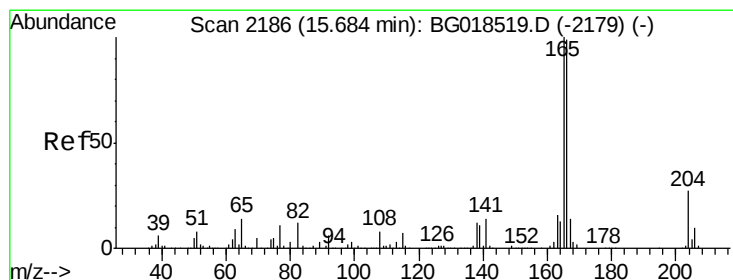
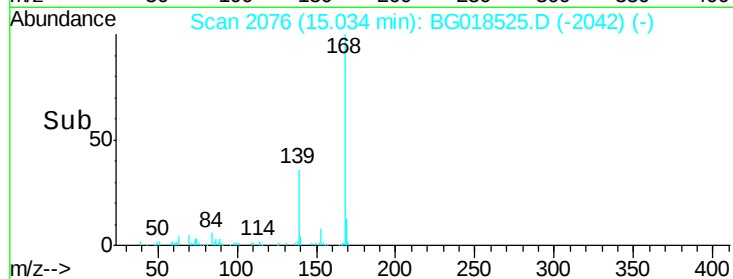
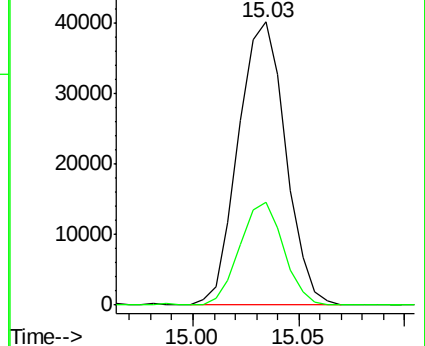
168 100

139 36.4 29.7 44.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 4.91 ng/ul

RT: 15.68 min Scan# 2186

Delta R.T. -0.00 min

Lab File: BG018525.D

Acq: 28 Aug 2015 22:53

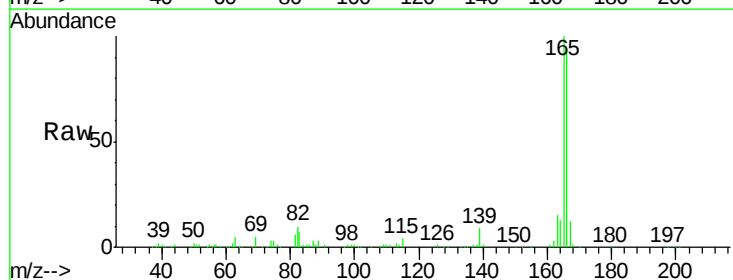
Tgt Ion:166 Resp: 94109

Ion Ratio Lower Upper

166 100

165 106.7 82.6 124.0

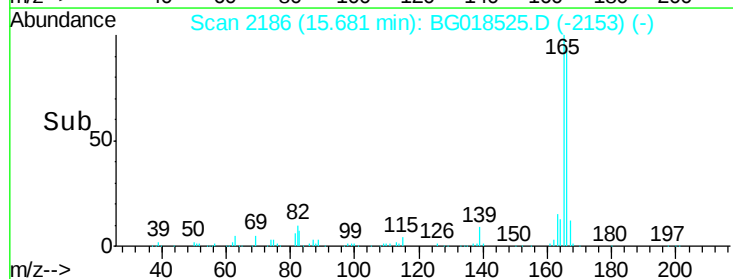
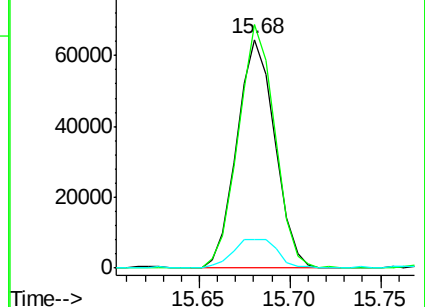
167 12.6 11.4 17.0

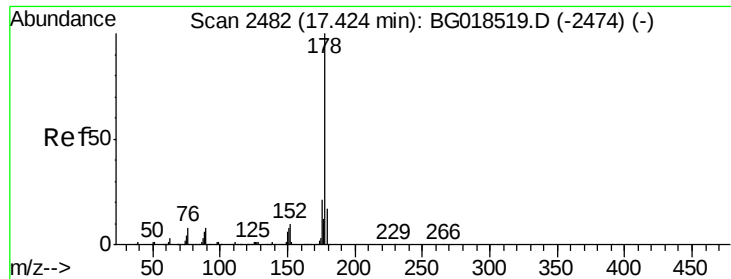


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 48.83 ng/ul

RT: 17.43 min Scan# 2483

Delta R.T. 0.00 min

Lab File: BG018525.D

Acq: 28 Aug 2015 22:53

Instrument :

BNA_G

ClientSampleId :

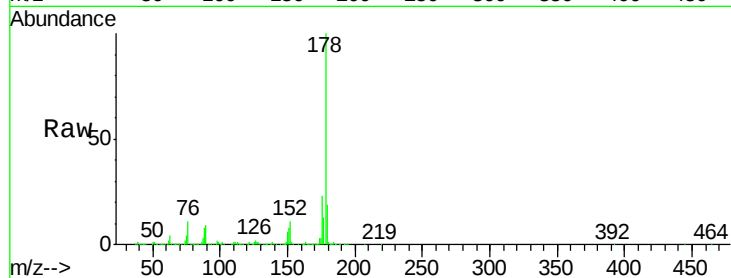
Tot Ion:178 Resp: 1500247

Ion Ratio Lower Upper

178 100

179 19.1 13.7 20.5

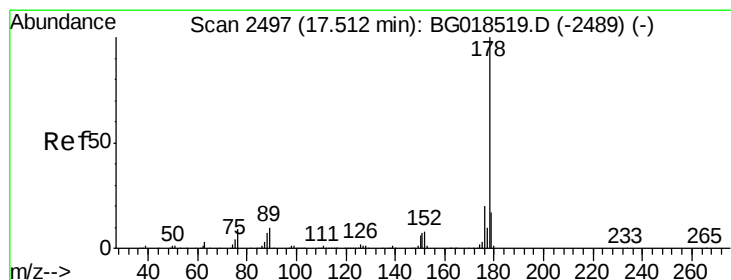
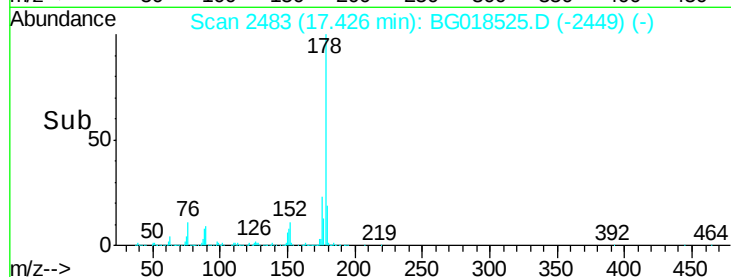
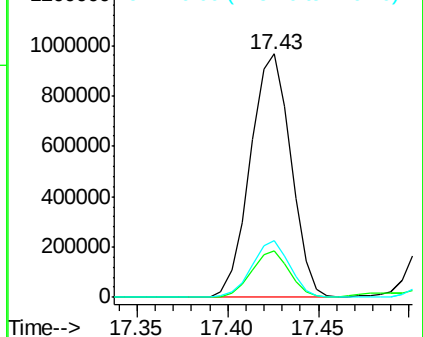
176 23.1 16.6 24.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 13.79 ng/ul

RT: 17.51 min Scan# 2498

Delta R.T. 0.00 min

Lab File: BG018525.D

Acq: 28 Aug 2015 22:53

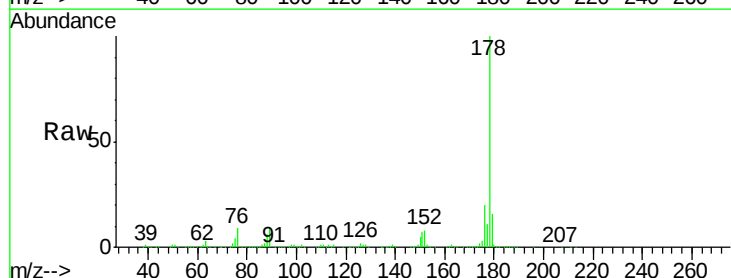
Tgt Ion:178 Resp: 431726

Ion Ratio Lower Upper

178 100

179 16.5 13.0 19.4

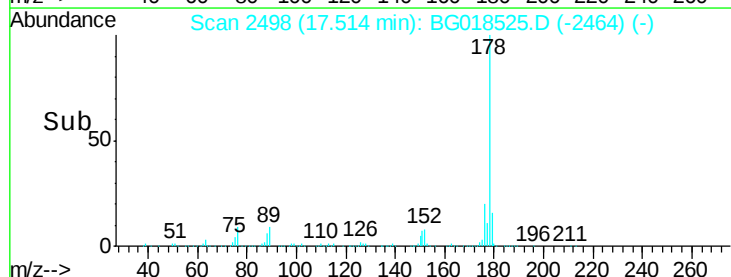
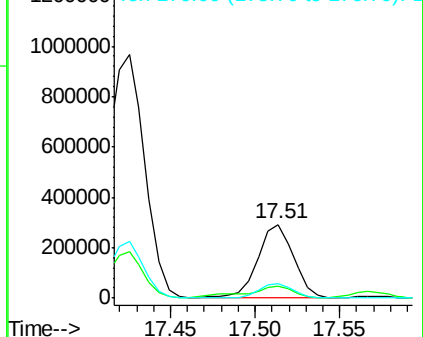
176 19.9 16.0 24.0

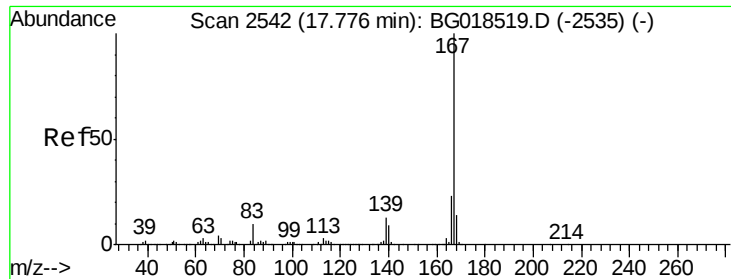


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 8.55 ng/ul

RT: 17.78 min Scan# 2543

Delta R.T. 0.00 min

Lab File: BG018525.D

Acq: 28 Aug 2015 22:53

Instrument :

BNA_G

ClientSampleId :

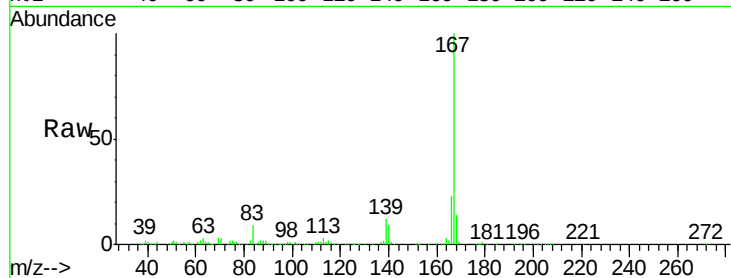
Tot Ion:167 Resp: 234705

Ion Ratio Lower Upper

167 100

166 22.6 18.9 28.3

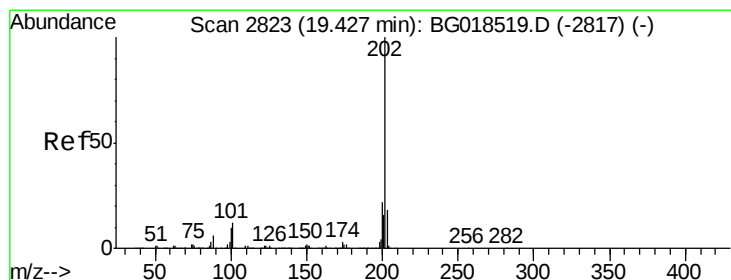
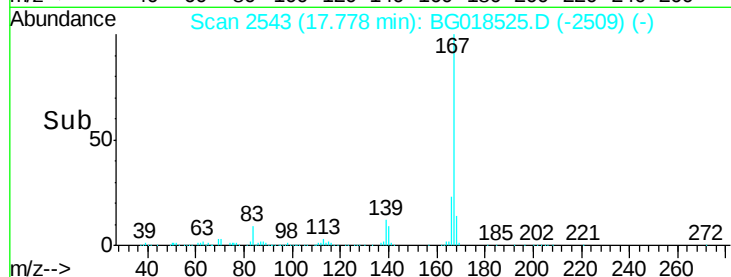
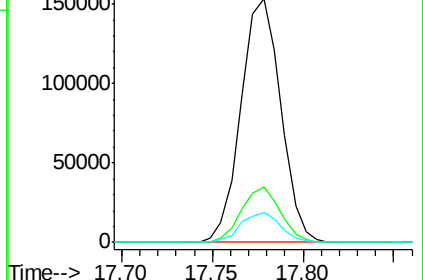
139 12.1 10.1 15.1



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 64.70 ng/ul

RT: 19.43 min Scan# 2825

Delta R.T. 0.01 min

Lab File: BG018525.D

Acq: 28 Aug 2015 22:53

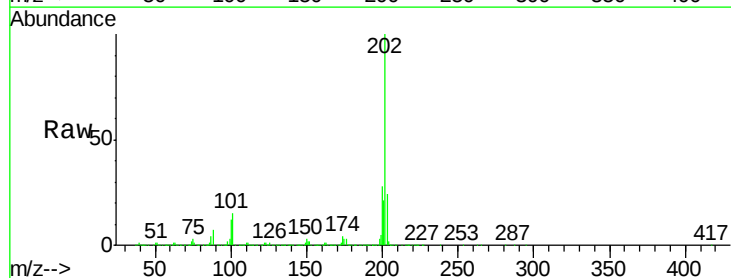
Tgt Ion:202 Resp: 2122960

Ion Ratio Lower Upper

202 100

101 15.4 9.7 14.5#

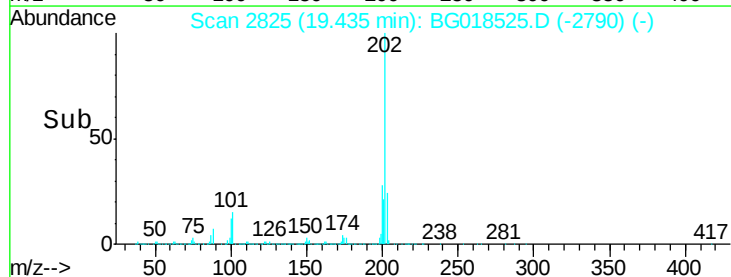
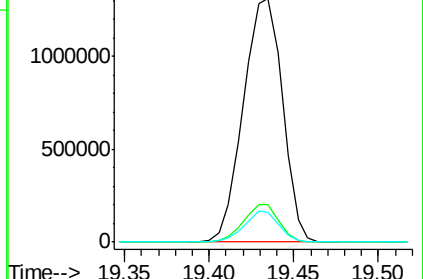
100 12.4 7.8 11.8#

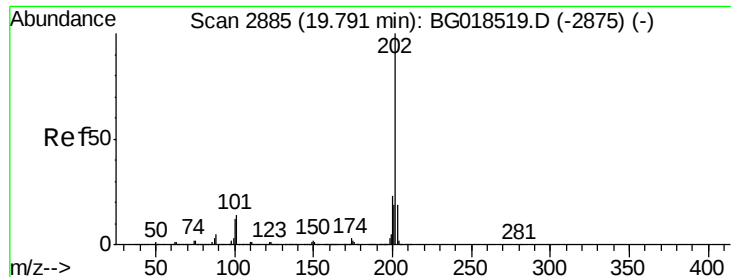


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

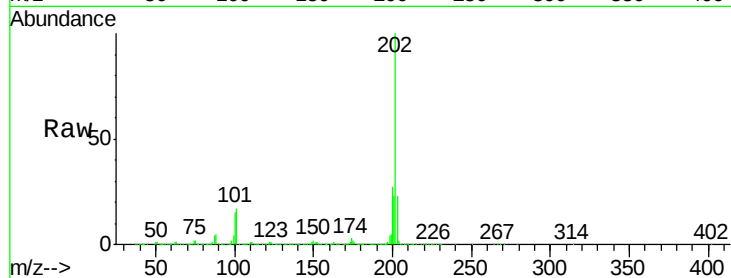




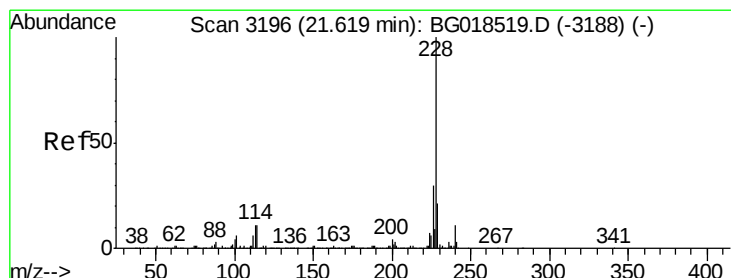
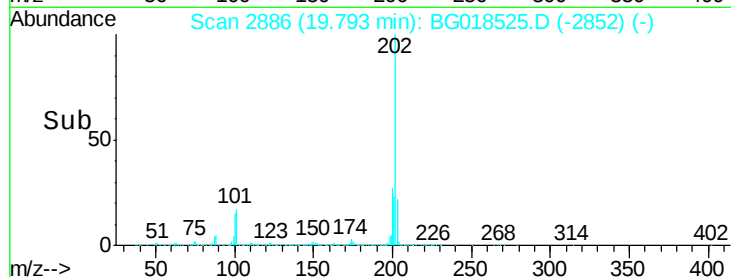
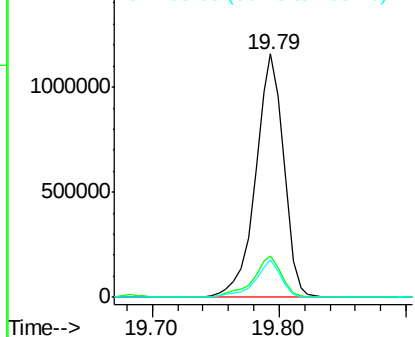
#80
Pvrene
Concen: 49.12 ng/ul
RT: 19.79 min Scan# 2886
Delta R.T. 0.00 min
Lab File: BG018525.D
Acq: 28 Aug 2015 22:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:202 Resp: 1789326
Ion Ratio Lower Upper
202 100
101 17.1 11.0 16.4#
100 15.2 9.8 14.6#

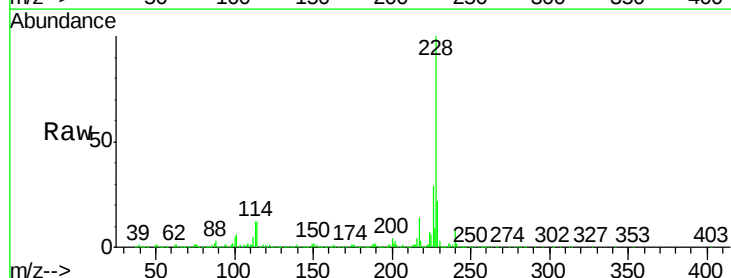


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

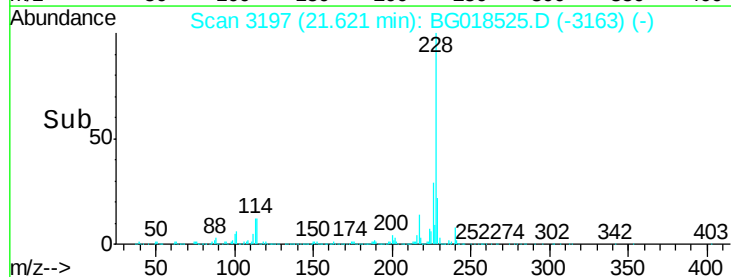
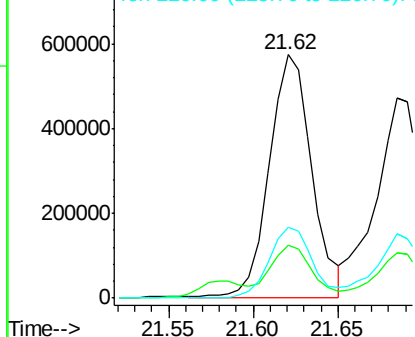


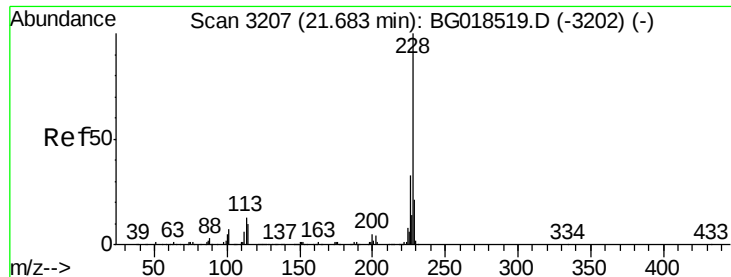
#83
Benzo(a)anthracene
Concen: 29.96 ng/ul
RT: 21.62 min Scan# 3197
Delta R.T. 0.00 min
Lab File: BG018525.D
Acq: 28 Aug 2015 22:53

Tgt Ion:228 Resp: 1000821
Ion Ratio Lower Upper
228 100
229 21.7 15.5 23.3
226 29.2 22.1 33.1



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#85

Chrysene

Concen: 27.97 ng/ul

RT: 21.69 min Scan# 3208

Delta R.T. 0.00 min

Lab File: BG018525.D

Acq: 28 Aug 2015 22:53

Instrument :

BNA_G

ClientSampleId :

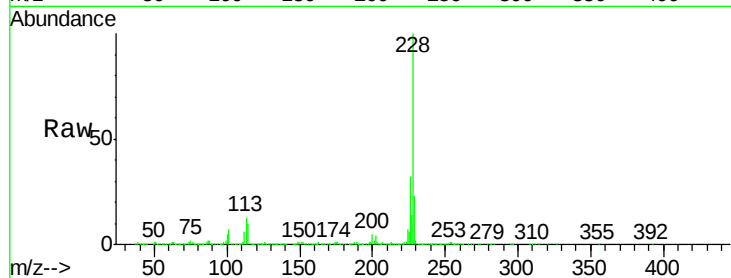
Tot Ion:228 Resp: 873466

Ion Ratio Lower Upper

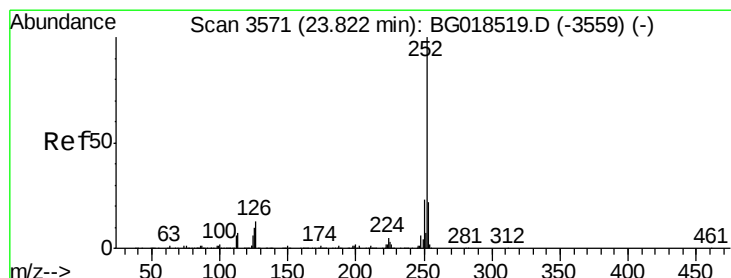
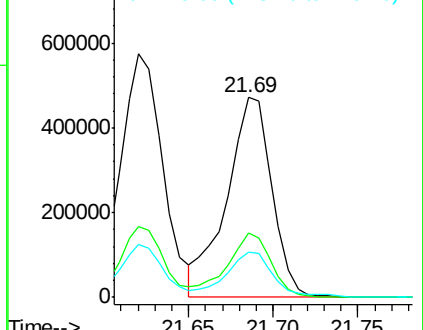
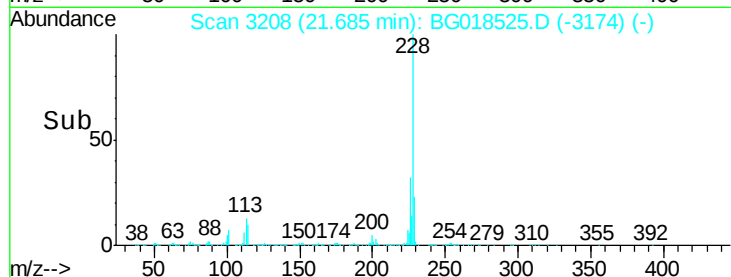
228 100

226 32.2 26.5 39.7

229 22.9 16.9 25.3



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: 36.60 ng/ul

RT: 23.83 min Scan# 3573

Delta R.T. 0.01 min

Lab File: BG018525.D

Acq: 28 Aug 2015 22:53

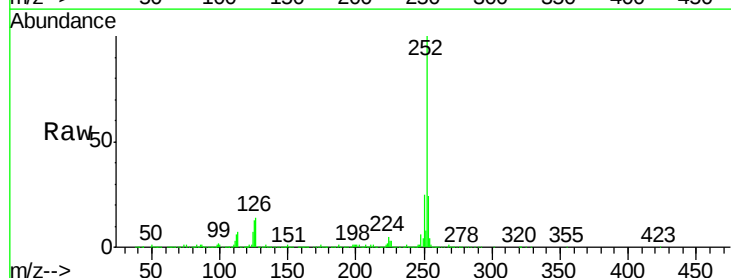
Tgt Ion:252 Resp: 1246023

Ion Ratio Lower Upper

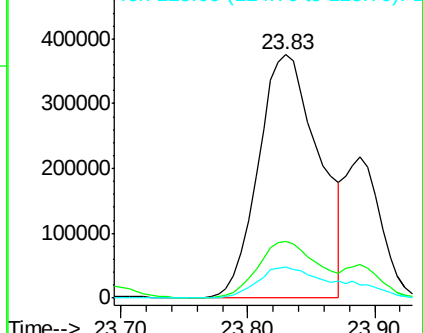
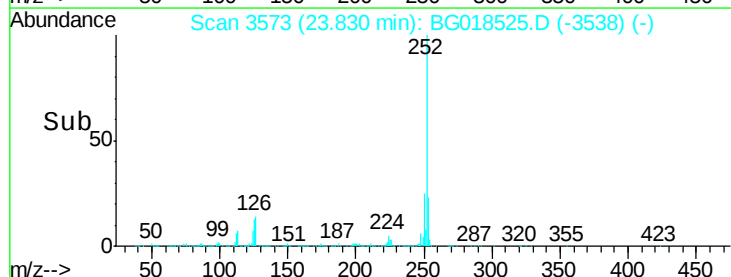
252 100

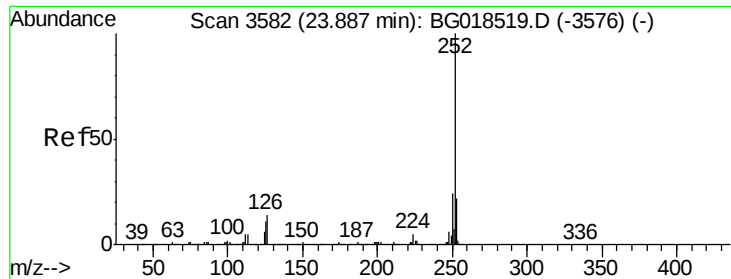
253 23.5 18.1 27.1

125 12.6 8.3 12.5#



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: 38.01 ng/ul

RT: 23.83 min Scan# 3573

Delta R.T. -0.06 min

Lab File: BG018525.D

Acq: 28 Aug 2015 22:53

Instrument :

BNA_G

ClientSampleId :

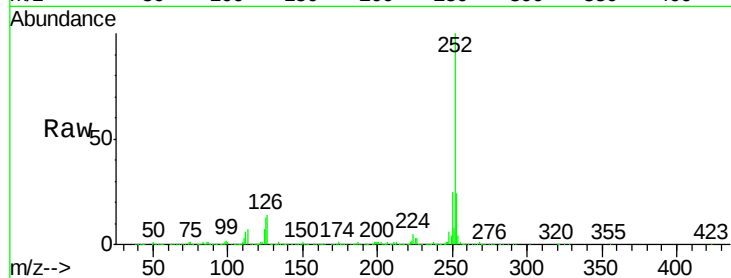
Tot Ion:252 Resp: 1246023

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

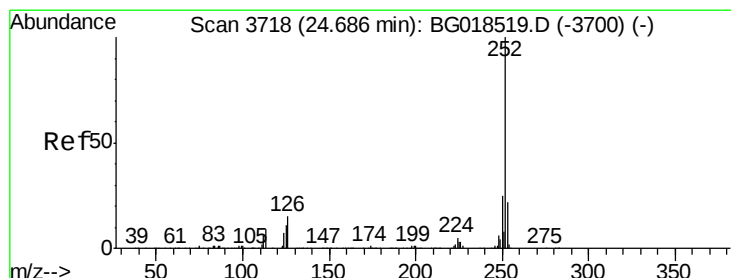
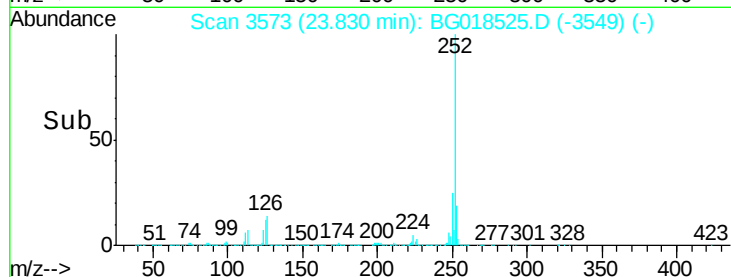
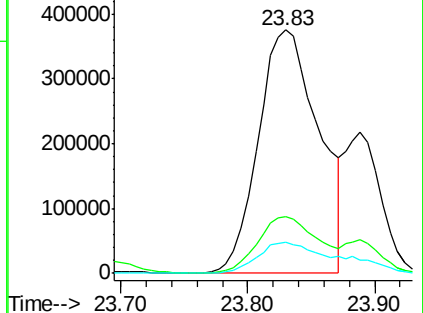
125 12.6 9.0 13.4



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



#91

Benzo(a)pyrene

Concen: 27.25 ng/ul

RT: 24.69 min Scan# 3720

Delta R.T. 0.01 min

Lab File: BG018525.D

Acq: 28 Aug 2015 22:53

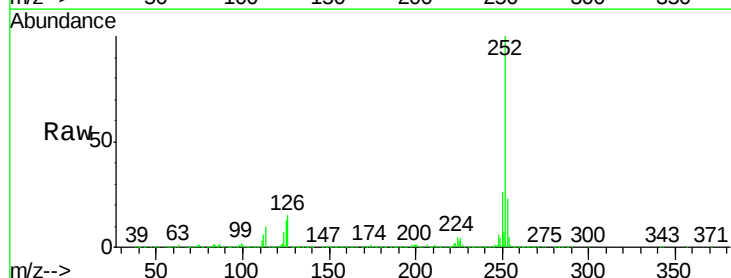
Tgt Ion:252 Resp: 881910

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

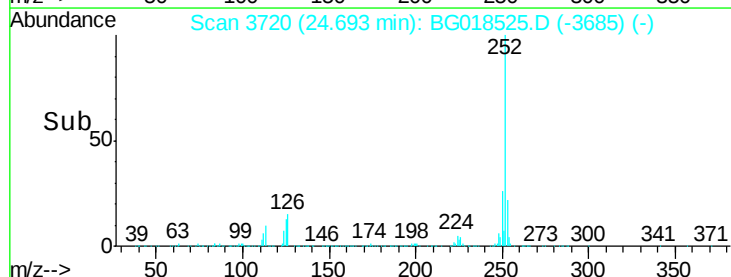
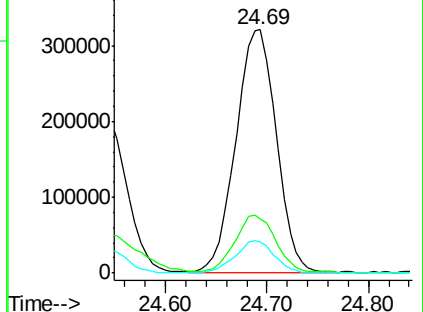
125 12.8 10.2 15.2

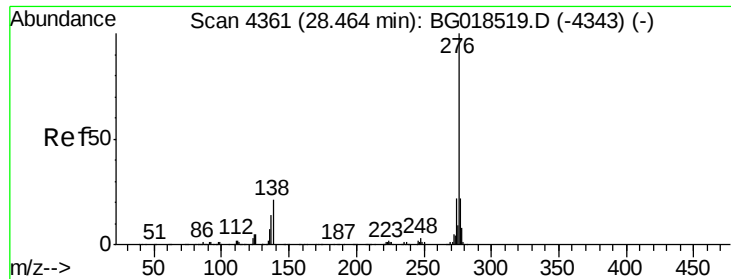


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 16.75 ng/ul

RT: 28.48 min Scan# 4364

Delta R.T. 0.01 min

Lab File: BG018525.D

Acq: 28 Aug 2015 22:53

Instrument :

BNA_G

ClientSampleId :

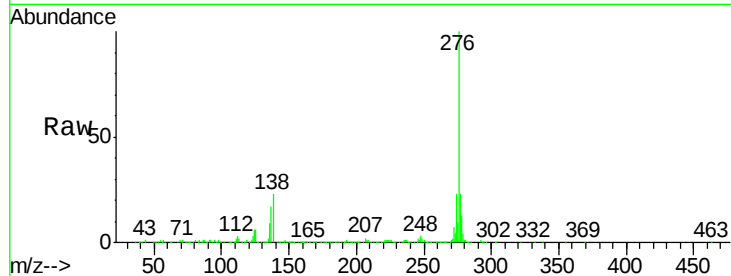
Tot Ion:276 Resp: 627477

Ion Ratio Lower Upper

276 100

138 22.8 15.8 23.6

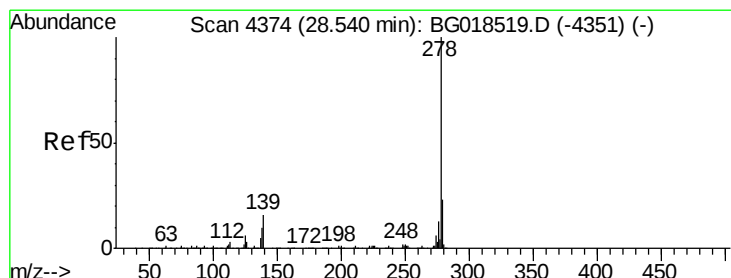
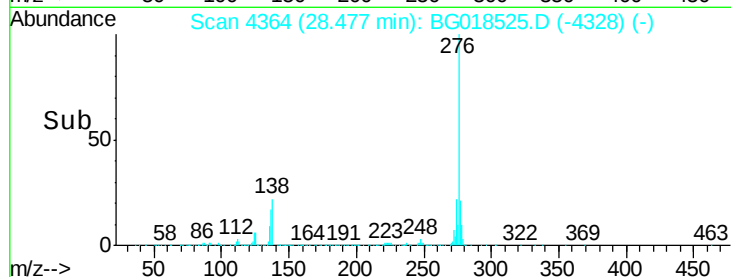
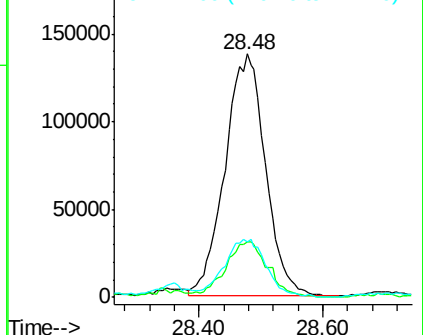
277 23.0 18.9 28.3



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



#93

Dibenzo(a,h)anthracene

Concen: 2.43 ng/ul

RT: 28.52 min Scan# 4371

Delta R.T. -0.02 min

Lab File: BG018525.D

Acq: 28 Aug 2015 22:53

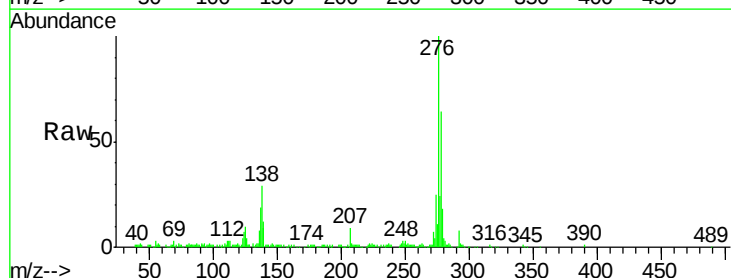
Tgt Ion:278 Resp: 75663

Ion Ratio Lower Upper

278 100

139 19.1 13.8 20.6

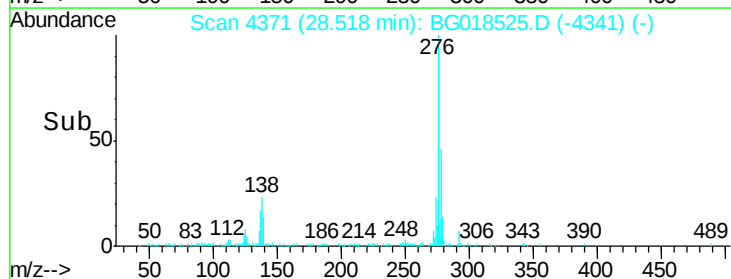
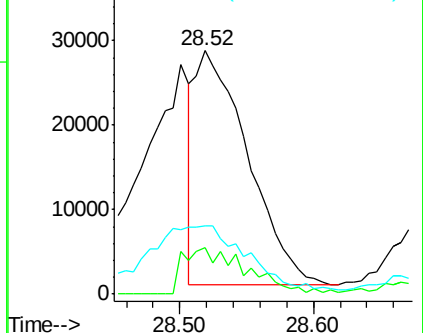
279 28.1 17.8 26.8#

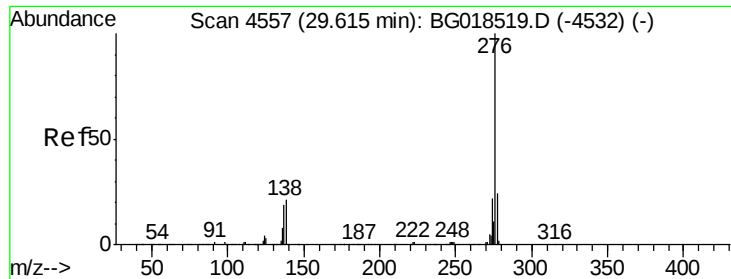


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(a,h,i)perylene

Concen: 15.78 ng/ul

RT: 29.61 min Scan# 4557

Delta R.T. -0.00 min

Lab File: BG018525.D

Acq: 28 Aug 2015 22:53

Instrument :

BNA_G

ClientSampleId :

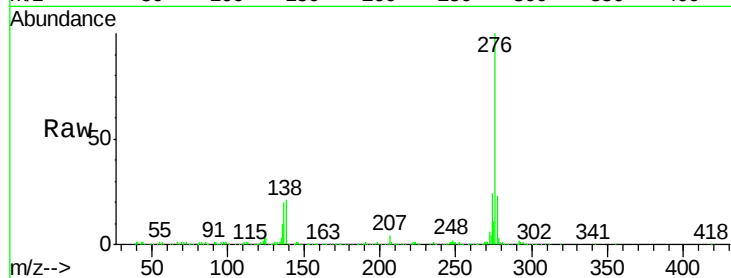
Tot Ion: 276 Resp: 496362

Ion Ratio Lower Upper

276 100

138 21.4 16.5 24.7

277 23.2 19.0 28.6



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

