

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110515\
 Data File : BG019493.D
 Acq On : 5 Nov 2015 15:28
 Operator : UM/NP
 Sample : G4273-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AP3

Quant Time: Nov 06 02:15:41 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 06 02:11:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	43554	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	177770	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.81	164	141160	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.55	188	373068	20.00	ng/ul	0.00
78) Chrysene-d12	21.83	240	491973	20.00	ng/ul	0.00
86) Perylene-d12	25.18	264	482450	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	3312	3.64	ng/uL	0.00
5) Phenol-d5	7.32	99	78845	19.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	53677	21.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	47886	19.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	63367	19.90	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	26404	20.21	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	33335	21.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.62	165	65008	19.32	ng/ul	0.00
29) 4-Chloroaniline-d4	11.14	131	109897	32.29	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	236703	20.34	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	263355	20.43	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	33477	18.11	ng/ul	0.00
58) Fluorene-d10	15.80	176	210319	19.53	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	43182	17.88	ng/ul	0.00
71) Anthracene-d10	17.65	188	352203	20.71	ng/ul	0.00
79) Pyrene-d10	19.93	212	424646	19.72	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.94	264	483225	19.96	ng/ul	0.00

Target Compounds

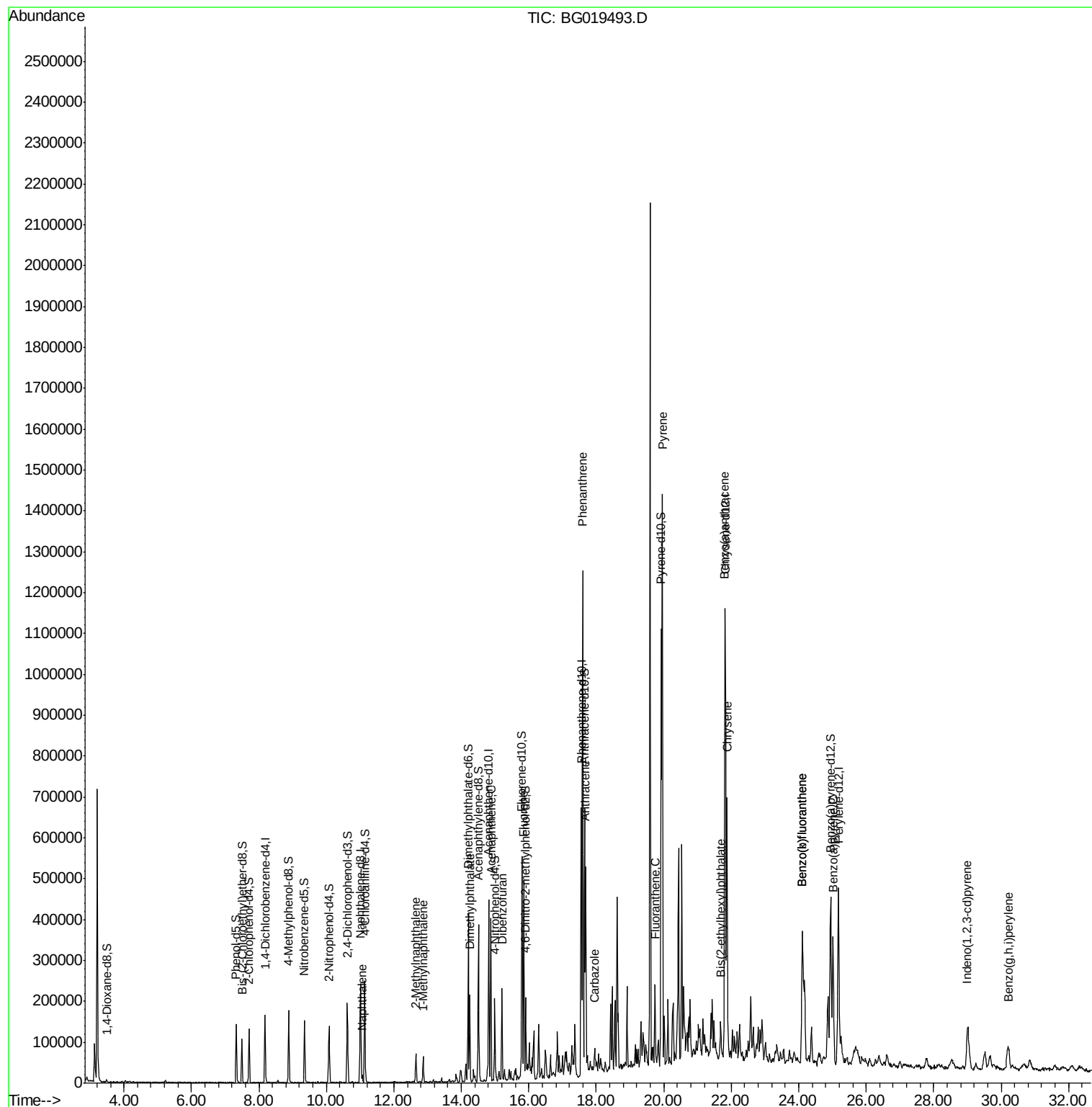
						Qvalue
28) Naphthalene	11.06	128	11339	1.27	ng/ul	96
34) 2-Methylnaphthalene	12.65	142	29725	4.16	ng/ul	99
35) 1-Methylnaphthalene	12.87	142	27217	4.02	ng/ul#	95
45) Dimethylphthalate	14.25	163	123879	10.41	ng/ul	98
50) Acenaphthene	14.87	153	158347	17.76	ng/ul	98
54) Dibenzofuran	15.20	168	113694	8.66	ng/ul	97
59) Fluorene	15.85	166	202170	17.65	ng/ul	97
70) Phenanthrene	17.59	178	727516	38.64	ng/ul	96
72) Anthracene	17.68	178	314856	16.41	ng/ul	98
75) Carbazole	17.95	167	26692	1.74	ng/ul#	92
77) Fluoranthene	19.74	202	123470	5.07	ng/ul	99
80) Pyrene	19.96	202	923197	33.44	ng/ul#	93
83) Benzo(a)anthracene	21.81	228	557186	19.45	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.69	149	20159	1.58	ng/ul	94
85) Chrysene	21.88	228	463140	17.23	ng/ul	99
88) Benzo(b)fluoranthene	24.11	252	454646	15.98	ng/ul#	96
89) Benzo(k)fluoranthene	24.11	252	454646	16.60	ng/ul	97
91) Benzo(a)pyrene	25.01	252	354201	12.96	ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	29.00	276	84165	2.73	ng/ul#	97
94) Benzo(g,h,i)perylene	30.20	276	64558	2.76	ng/ul#	93

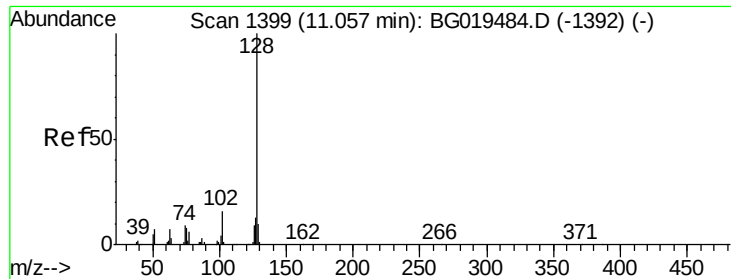
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#28

Naphthalene

Concen: 1.27 ng/ul

RT: 11.06 min Scan# 1399

Delta R.T. 0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

Instrument :

BNA_G

ClientSampleId :

C0AP3

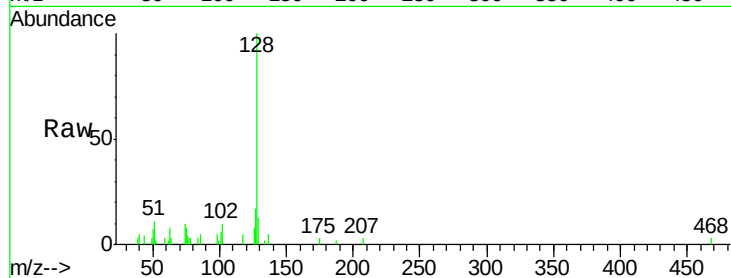
Tgt Ion:128 Resp: 11339

Ion Ratio Lower Upper

128 100

129 13.2 8.9 13.3

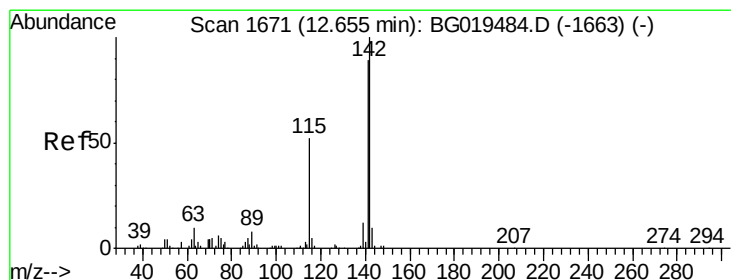
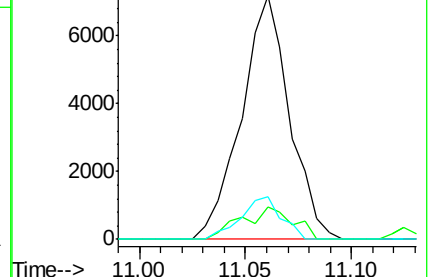
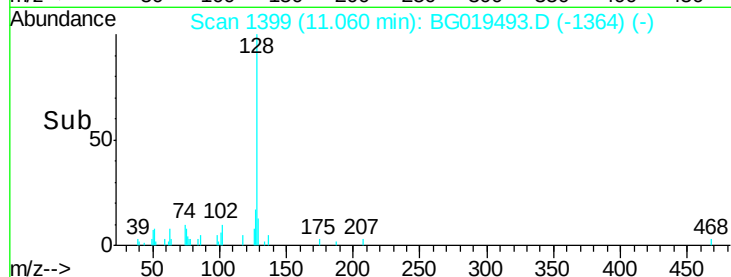
127 17.4 13.1 19.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 4.16 ng/ul

RT: 12.65 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BG019493.D

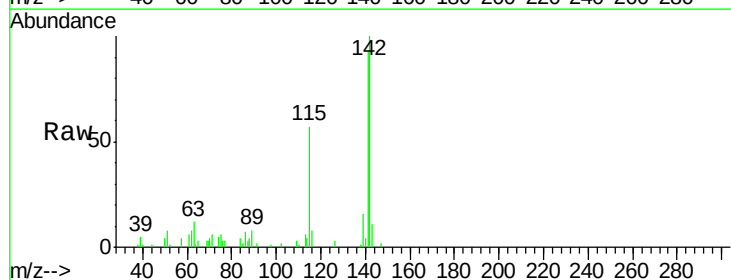
Acq: 5 Nov 2015 15:28

Tgt Ion:142 Resp: 29725

Ion Ratio Lower Upper

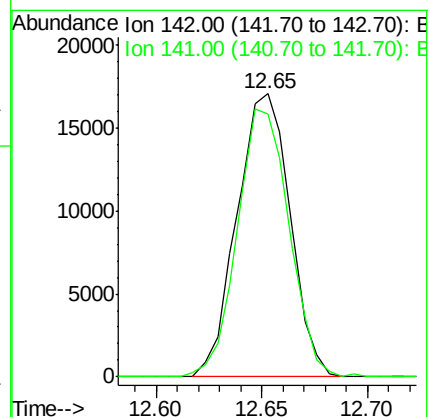
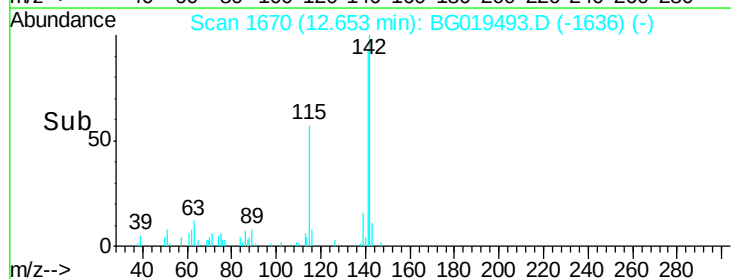
142 100

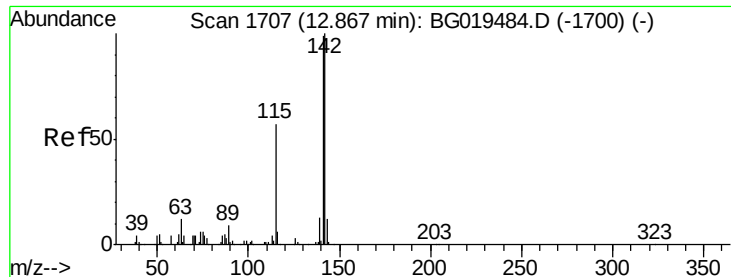
141 92.8 73.4 110.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

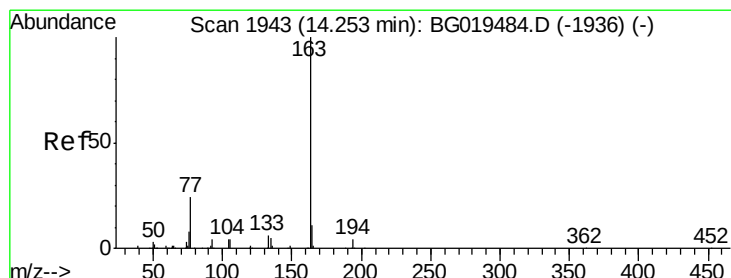
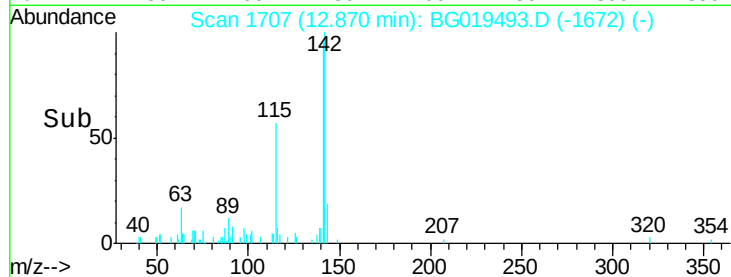
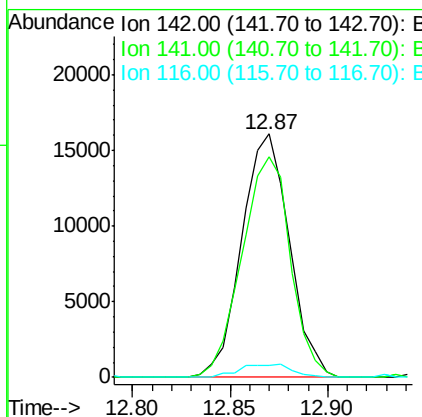
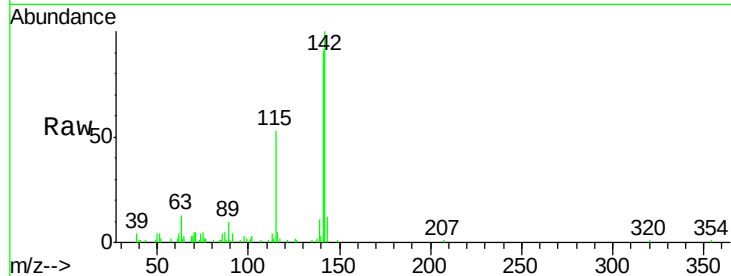




#35
 1-Methylnaphthalene
 Concen: 4.02 ng/ul
 RT: 12.87 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: BG019493.D
 Acq: 5 Nov 2015 15:28

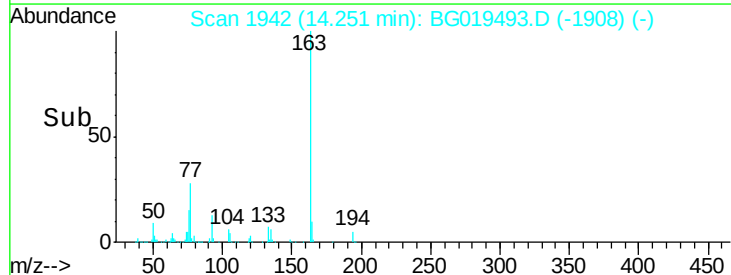
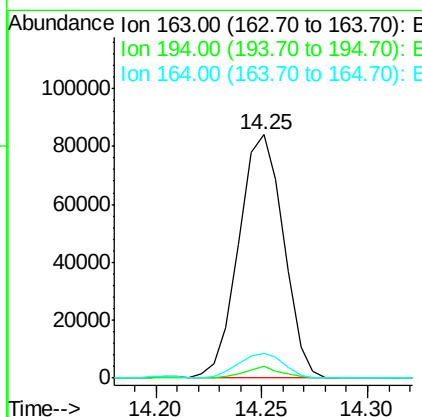
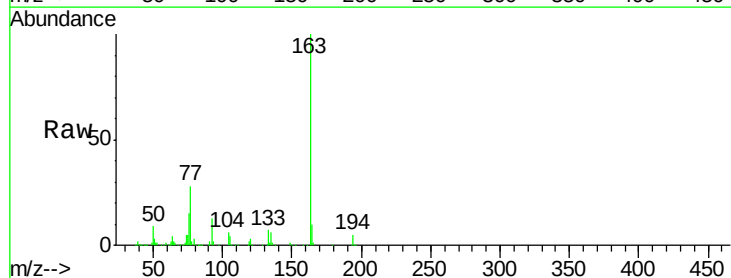
Instrument :
 BNA_G
 ClientSampleId :
 C0AP3

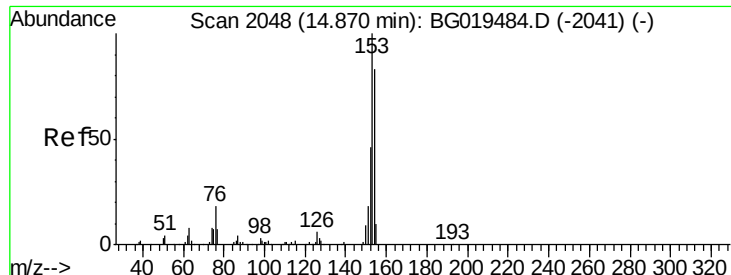
Tgt Ion:142 Resp: 27217
 Ion Ratio Lower Upper
 142 100
 141 90.7 76.5 114.7
 116 5.0 5.4 8.0#



#45
 Dimethylphthalate
 Concen: 10.41 ng/ul
 RT: 14.25 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: BG019493.D
 Acq: 5 Nov 2015 15:28

Tgt Ion:163 Resp: 123879
 Ion Ratio Lower Upper
 163 100
 194 5.1 4.3 6.5
 164 10.3 7.5 11.3





#50

Acenaphthene

Concen: 17.76 ng/ul

RT: 14.87 min Scan# 2048

Delta R.T. 0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

Instrument :

BNA_G

ClientSampleId :

C0AP3

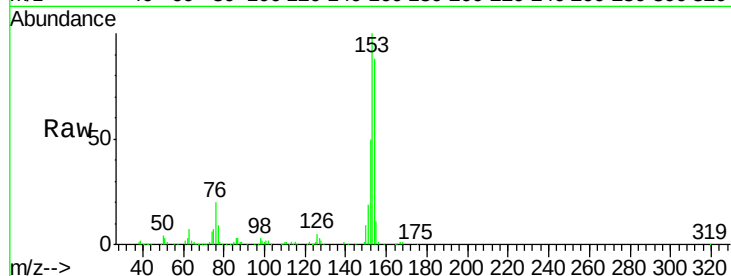
Tgt Ion:153 Resp: 158347

Ion Ratio Lower Upper

153 100

152 49.9 38.8 58.2

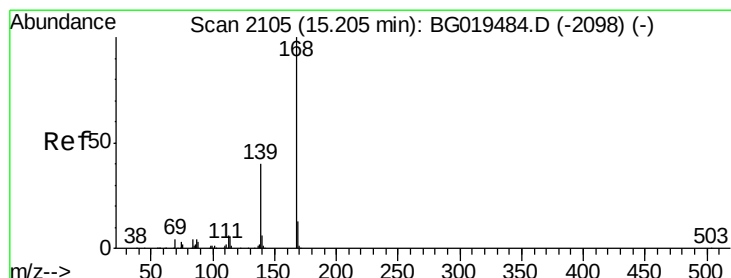
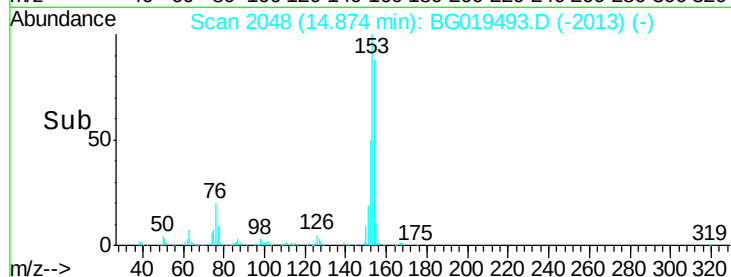
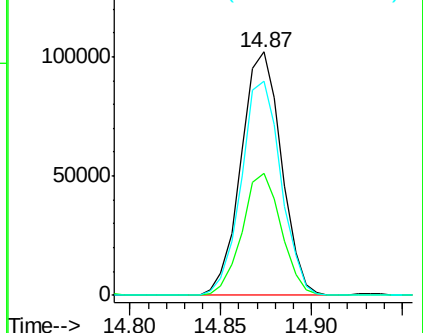
154 88.0 71.5 107.3



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: 8.66 ng/ul

RT: 15.20 min Scan# 2104

Delta R.T. -0.00 min

Lab File: BG019493.D

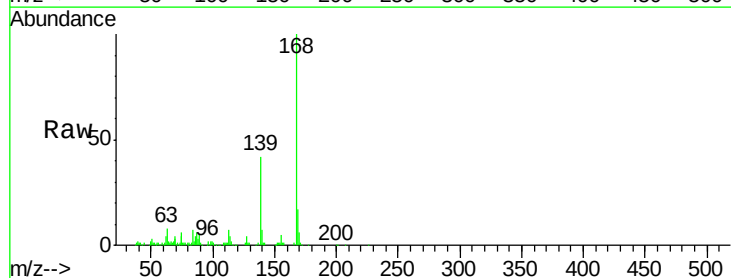
Acq: 5 Nov 2015 15:28

Tgt Ion:168 Resp: 113694

Ion Ratio Lower Upper

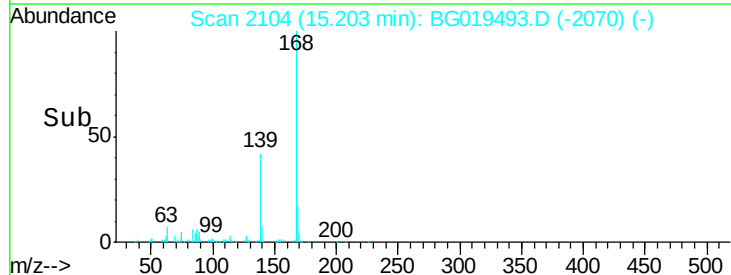
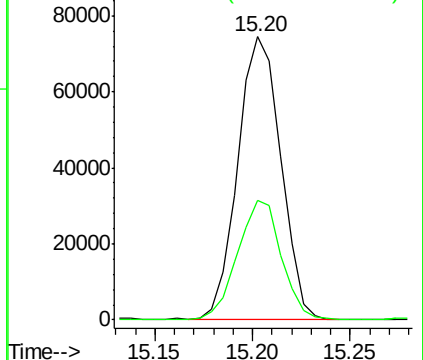
168 100

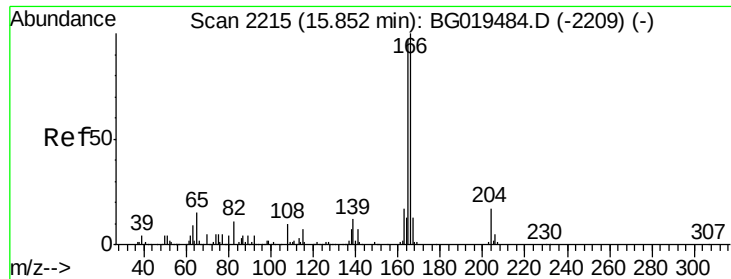
139 42.4 32.4 48.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

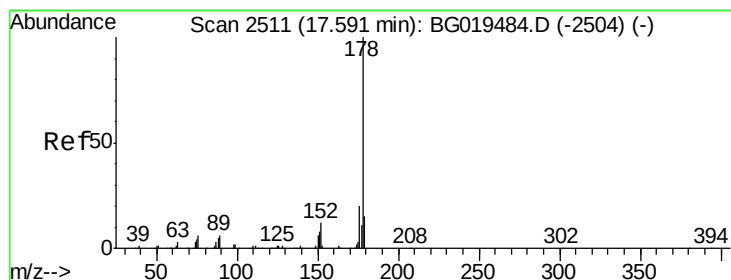
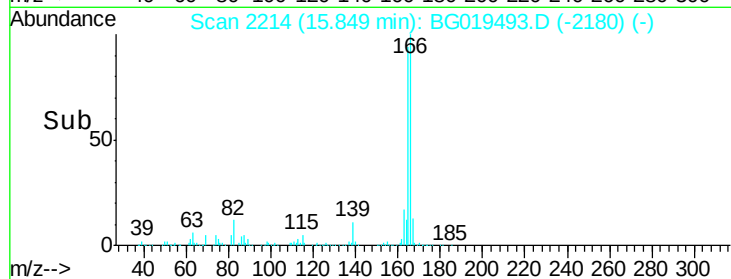
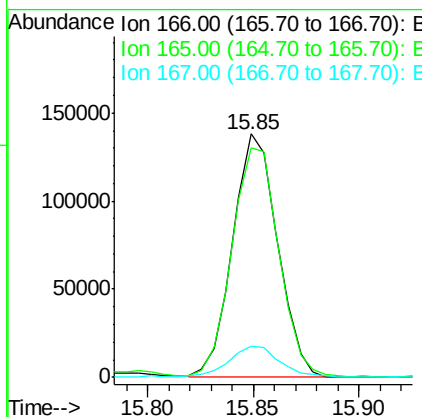
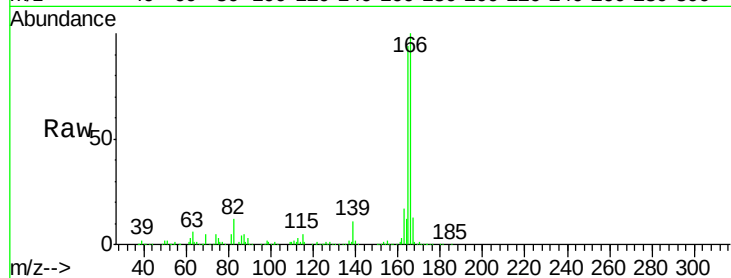




#59
 Fluorene
 Concen: 17.65 ng/ul
 RT: 15.85 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: BG019493.D
 Acq: 5 Nov 2015 15:28

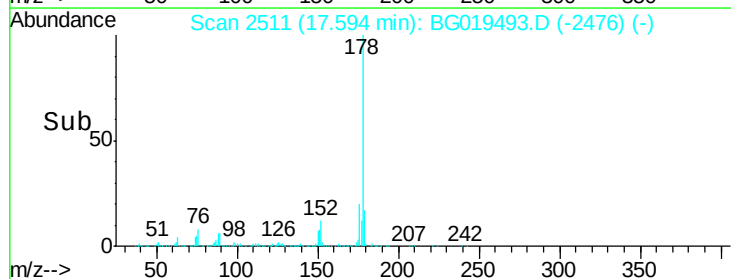
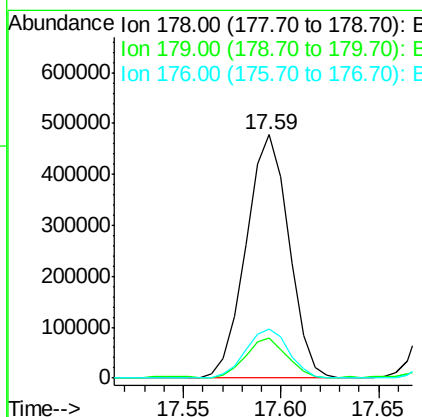
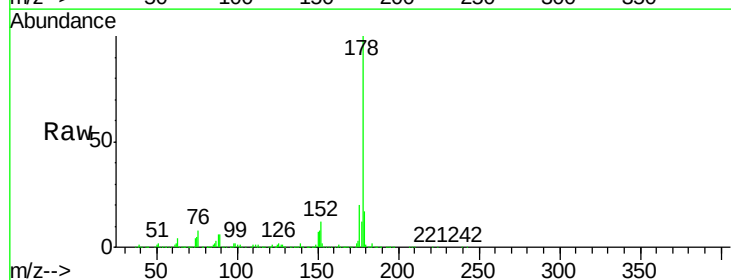
Instrument :
 BNA_G
 ClientSampleId :
 C0AP3

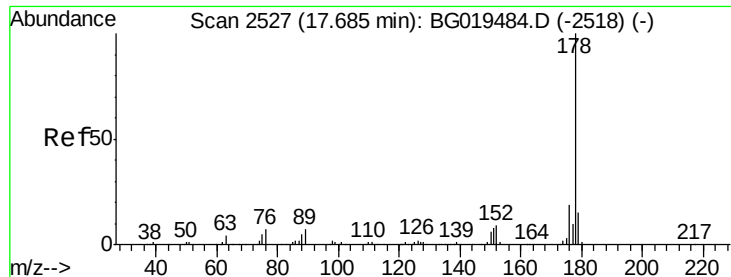
Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.4	77.6	116.4
167	12.7	9.6	14.4



#70
 Phenanthrene
 Concen: 38.64 ng/ul
 RT: 17.59 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: BG019493.D
 Acq: 5 Nov 2015 15:28

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.6	18.8
176	20.4	14.3	21.5





#72

Anthracene

Concen: 16.41 ng/ul

RT: 17.68 min Scan# 2526

Delta R.T. -0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

Instrument :

BNA_G

ClientSampleId :

C0AP3

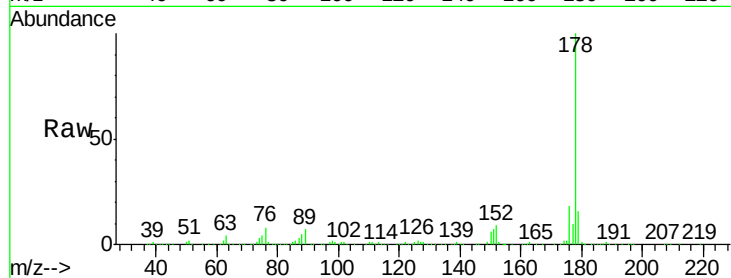
Tgt Ion:178 Resp: 314856

Ion Ratio Lower Upper

178 100

179 16.1 11.6 17.4

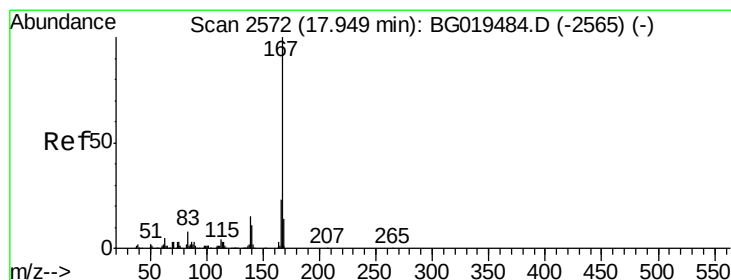
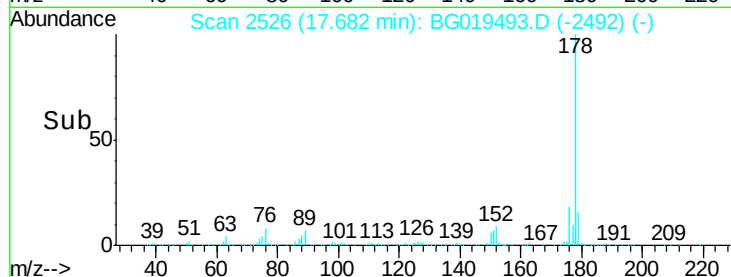
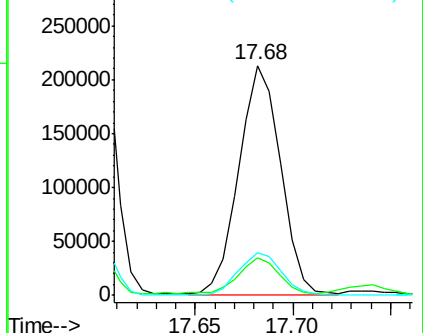
176 18.3 14.2 21.4



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: 1.74 ng/ul

RT: 17.95 min Scan# 2571

Delta R.T. -0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

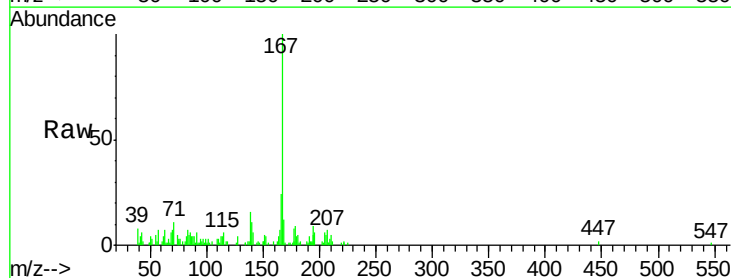
Tgt Ion:167 Resp: 26692

Ion Ratio Lower Upper

167 100

166 24.5 16.8 25.2

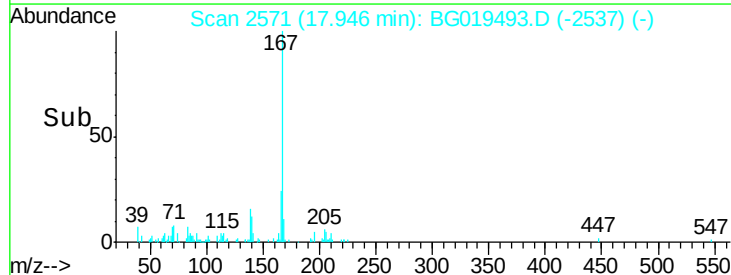
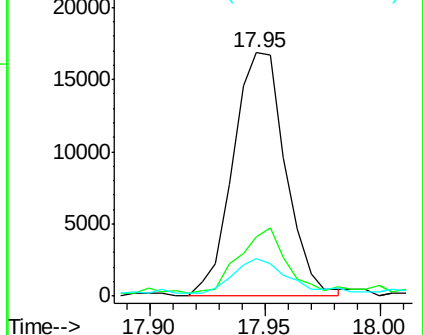
139 15.7 9.8 14.6#

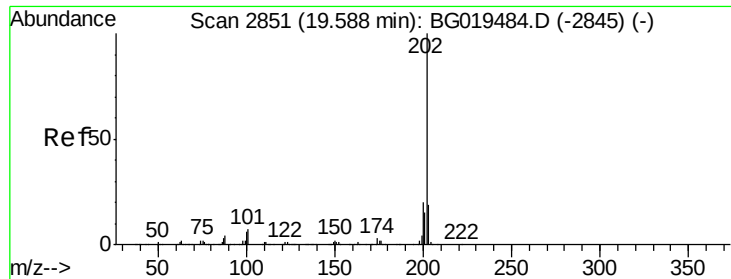


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 5.07 ng/ul

RT: 19.74 min Scan# 2876

Delta R.T. 0.15 min

Lab File: BG019493.D

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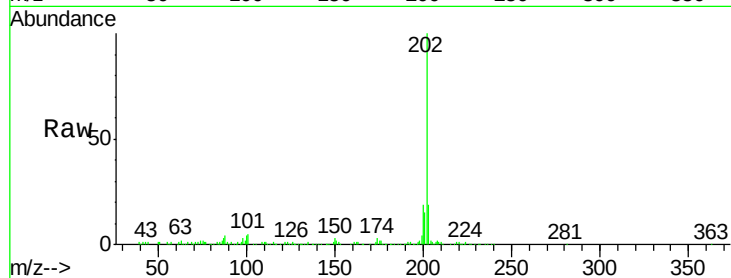
Tgt Ion:202 Resp: 123470

Ion Ratio Lower Upper

202 100

101 5.0 4.0 6.0

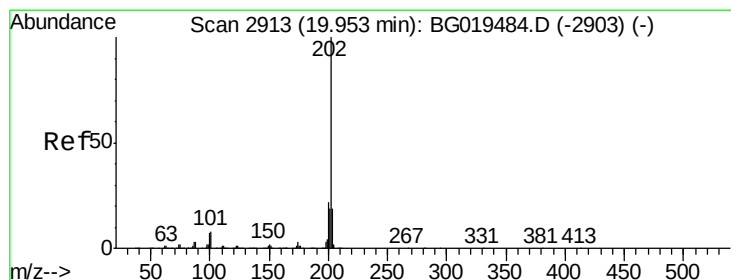
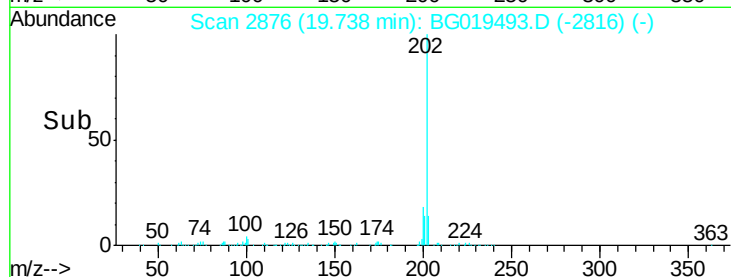
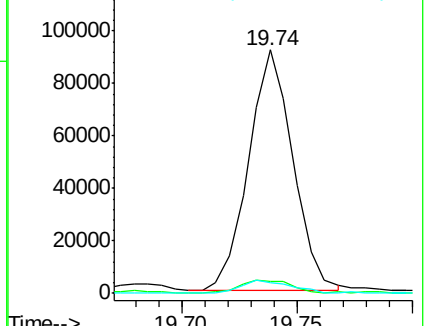
100 4.1 3.6 5.4



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



#80

Pyrene

Concen: 33.44 ng/ul

RT: 19.96 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

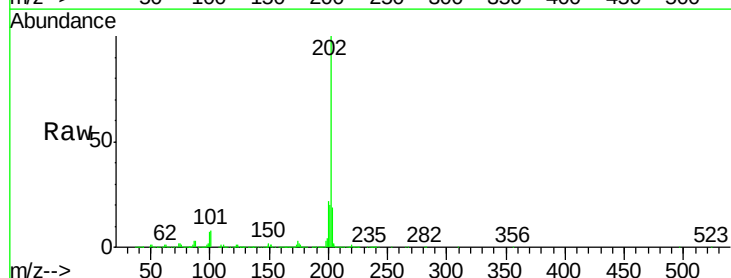
Tgt Ion:202 Resp: 923197

Ion Ratio Lower Upper

202 100

101 7.8 4.3 6.5#

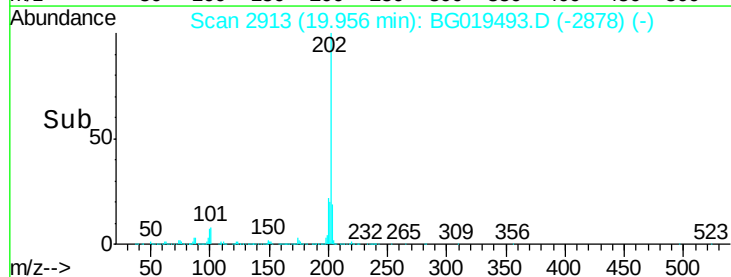
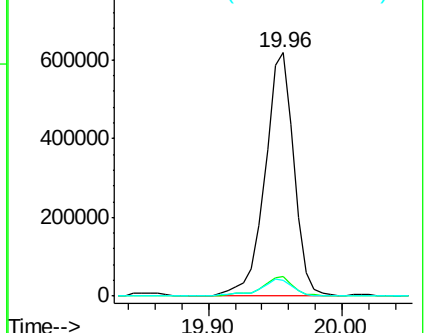
100 6.7 3.6 5.4#

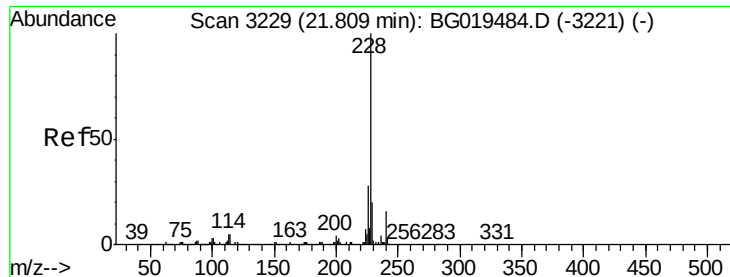


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 19.45 ng/ul

RT: 21.81 min Scan# 3228

Delta R.T. -0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

Instrument :

BNA_G

ClientSampleId :

C0AP3

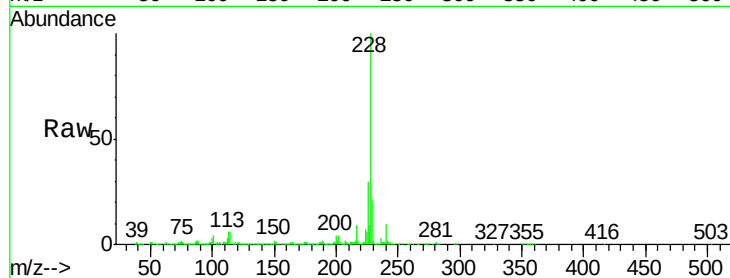
Tgt Ion:228 Resp: 557186

Ion Ratio Lower Upper

228 100

229 20.8 15.8 23.8

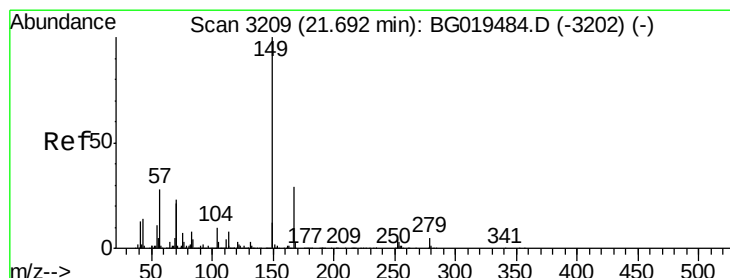
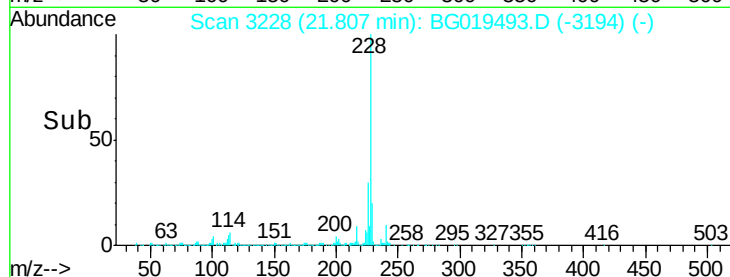
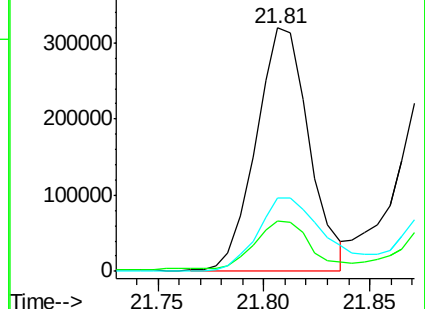
226 30.3 21.8 32.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 1.58 ng/ul

RT: 21.69 min Scan# 3208

Delta R.T. -0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

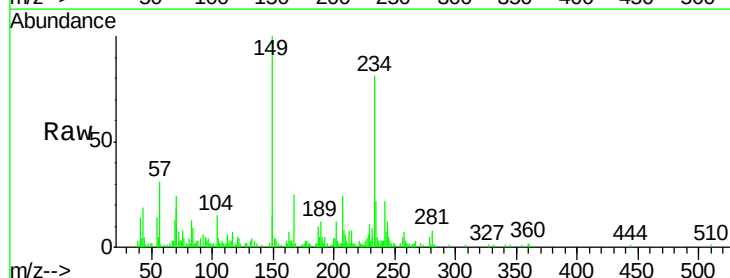
Tgt Ion:149 Resp: 20159

Ion Ratio Lower Upper

149 100

167 25.4 23.2 34.8

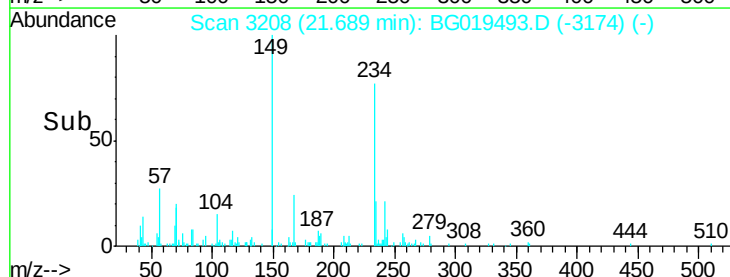
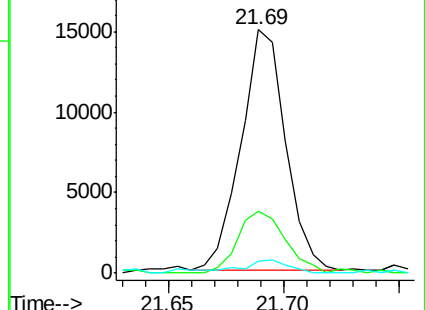
279 5.0 5.0 7.4

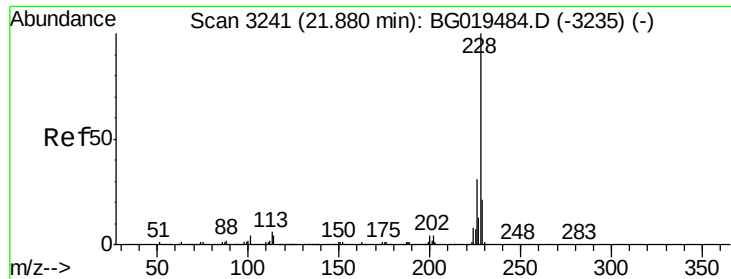


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 17.23 ng/ul

RT: 21.88 min Scan# 3240

Delta R.T. -0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

Instrument :

BNA_G

ClientSampleId :

C0AP3

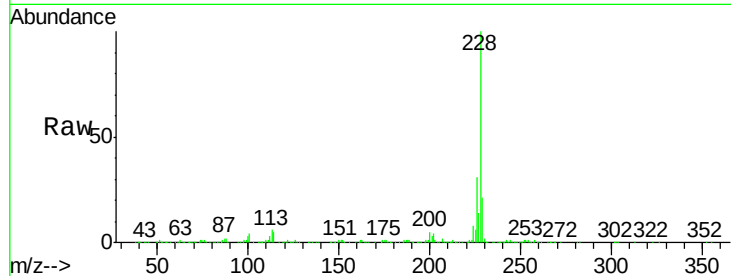
Tgt Ion:228 Resp: 463140

Ion Ratio Lower Upper

228 100

226 31.3 24.6 36.8

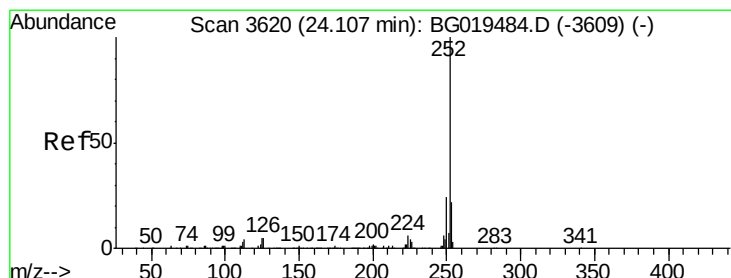
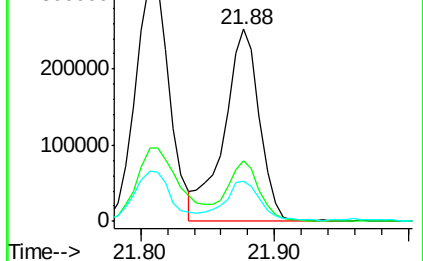
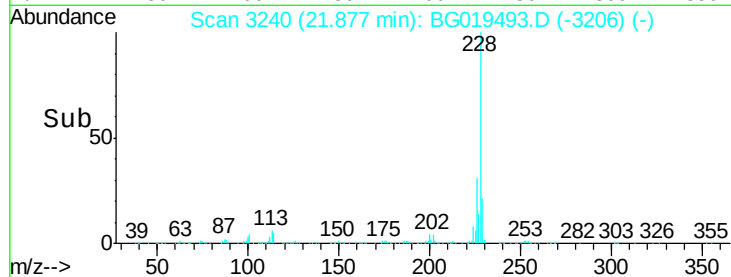
229 21.1 17.3 25.9



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: 15.98 ng/ul

RT: 24.11 min Scan# 3620

Delta R.T. 0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

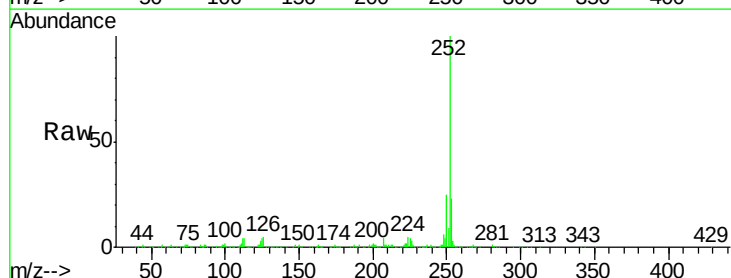
Tgt Ion:252 Resp: 454646

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

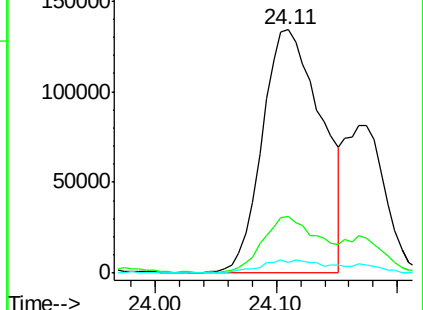
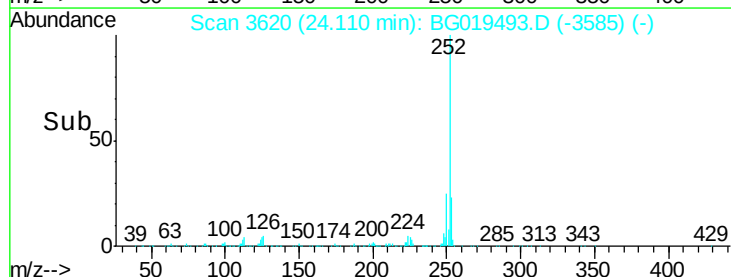
125 4.3 2.5 3.7#

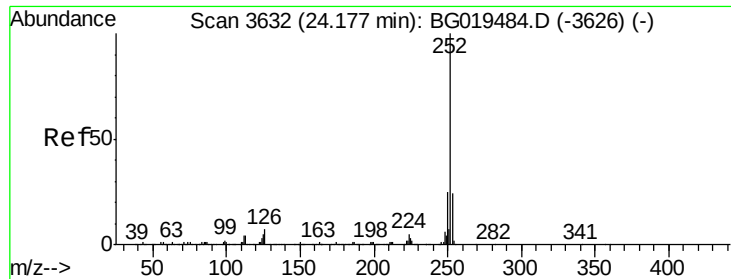


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

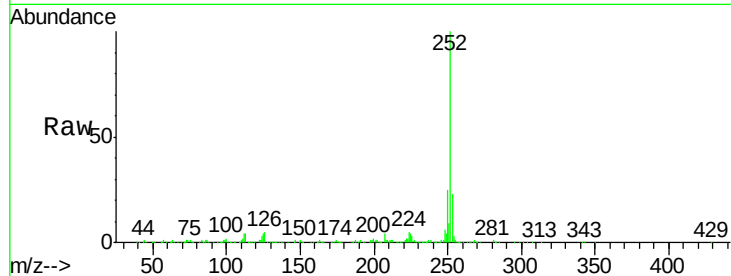




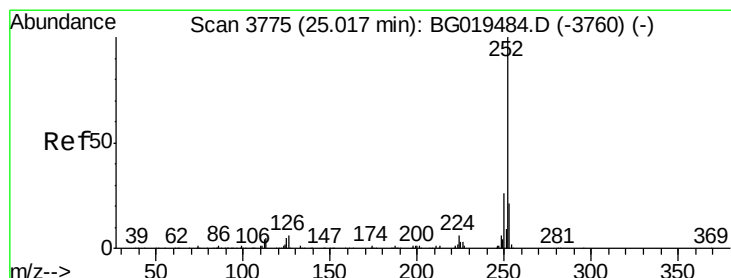
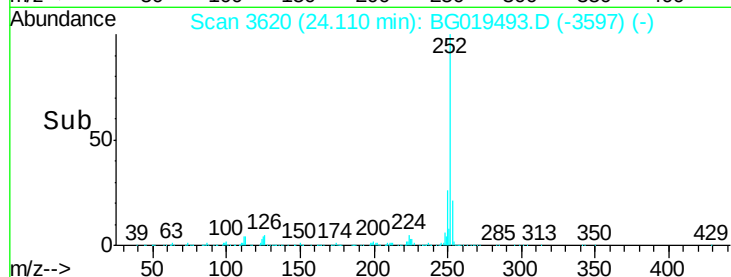
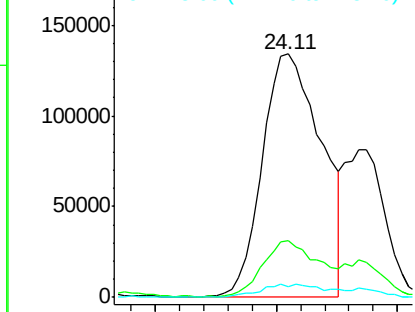
#89
Benzo(k)fluoranthene
Concen: 16.60 ng/ul
RT: 24.11 min Scan# 3620
Delta R.T. -0.07 min
Lab File: BG019493.D
Acq: 5 Nov 2015 15:28

Instrument :
BNA_G
ClientSampleId :
C0AP3

Tgt Ion:252 Resp: 454646
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 4.3 3.1 4.7

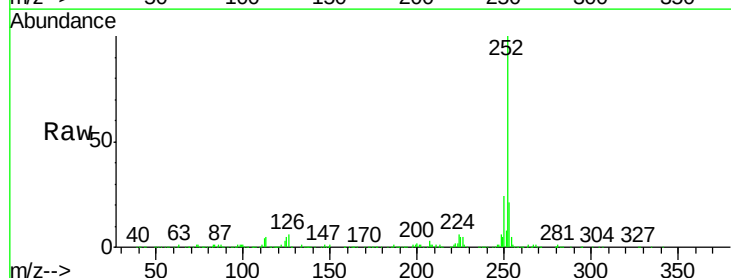


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

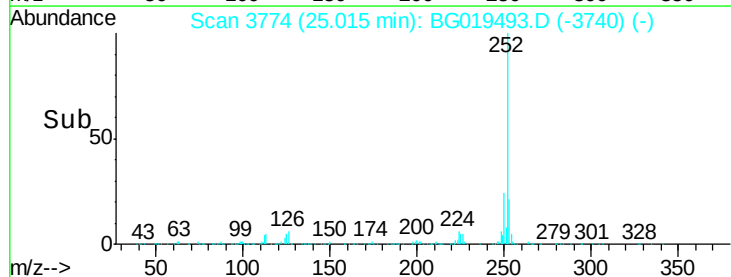
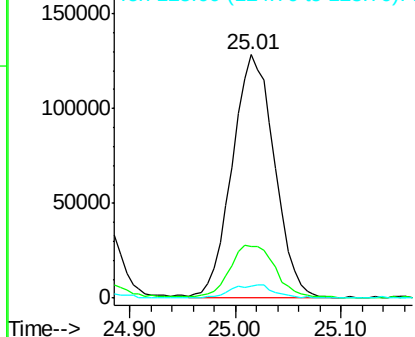


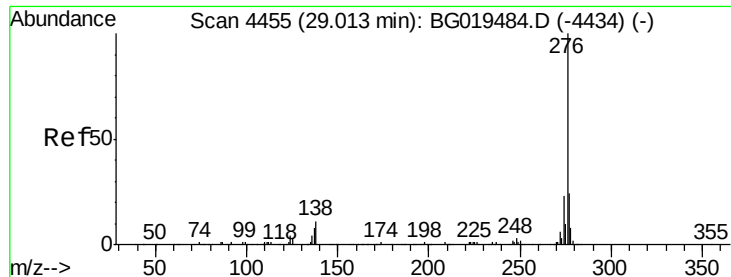
#91
Benzo(a)pyrene
Concen: 12.96 ng/ul
RT: 25.01 min Scan# 3774
Delta R.T. -0.00 min
Lab File: BG019493.D
Acq: 5 Nov 2015 15:28

Tgt Ion:252 Resp: 354201
Ion Ratio Lower Upper
252 100
253 21.2 16.0 24.0
125 5.0 3.3 4.9#



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: 2.73 ng/ul

RT: 29.00 min Scan# 4452

Delta R.T. -0.01 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

Instrument :

BNA_G

ClientSampled :

C0AP3

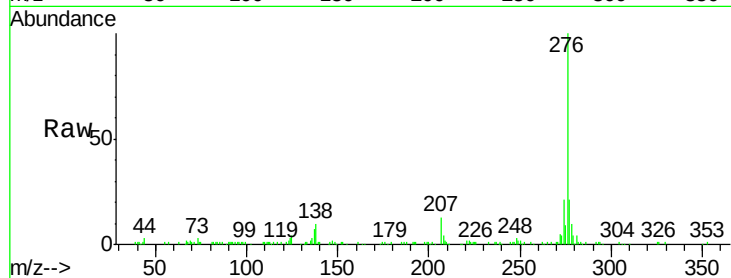
Tgt Ion:276 Resp: 84165

Ion Ratio Lower Upper

276 100

138 9.7 6.2 9.4#

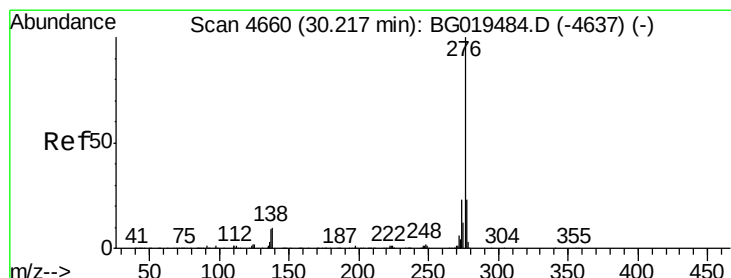
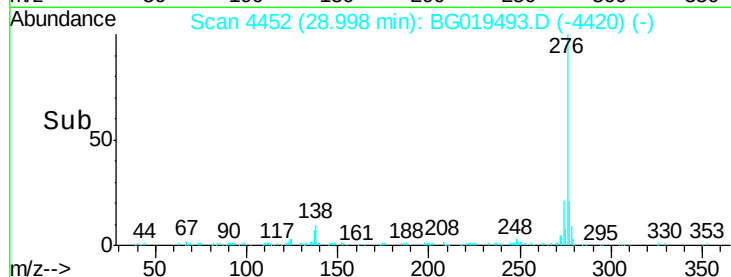
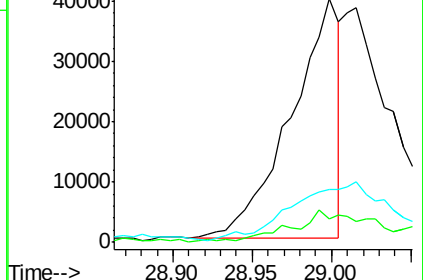
277 21.5 17.9 26.9



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



#94

Benzo(g,h,i)perylene

Concen: 2.76 ng/ul

RT: 30.20 min Scan# 4657

Delta R.T. -0.01 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

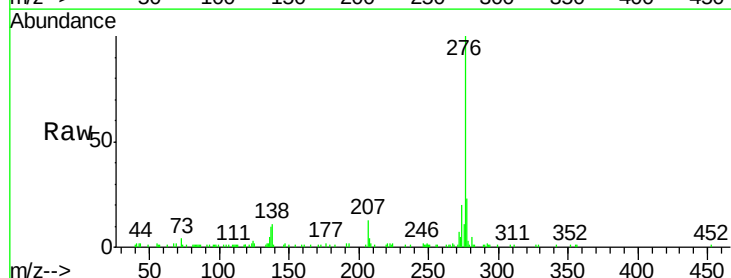
Tgt Ion:276 Resp: 64558

Ion Ratio Lower Upper

276 100

138 10.8 5.6 8.4#

277 22.5 16.0 24.0



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

