

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020330.D
 Acq On : 20 Dec 2015 2:54
 Operator : UM/SJ
 Sample : G4866-15
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E43M5

Quant Time: Dec 20 06:00:34 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 20 05:53:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	23769	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	100499	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	68722	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	156453	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	195165	20.00	ng/ul	0.01
86) Perylene-d12	25.02	264	191467	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	2003	4.65	ng/uL	0.00
5) Phenol-d5	7.24	99	52611	25.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	31454	25.15	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	42005	27.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	43556	24.30	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	21264	27.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	26413	30.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	47665	26.99	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	42319	21.33	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	151537	27.26	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	179145	27.70	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	20936	21.00	ng/ul	0.00
58) Fluorene-d10	15.71	176	134343	26.65	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	20538	22.14	ng/ul	0.00
71) Anthracene-d10	17.57	188	202985	28.16	ng/ul	0.00
79) Pyrene-d10	19.85	212	239112	26.29	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.80	264	273055	28.59	ng/ul	0.02

Target Compounds

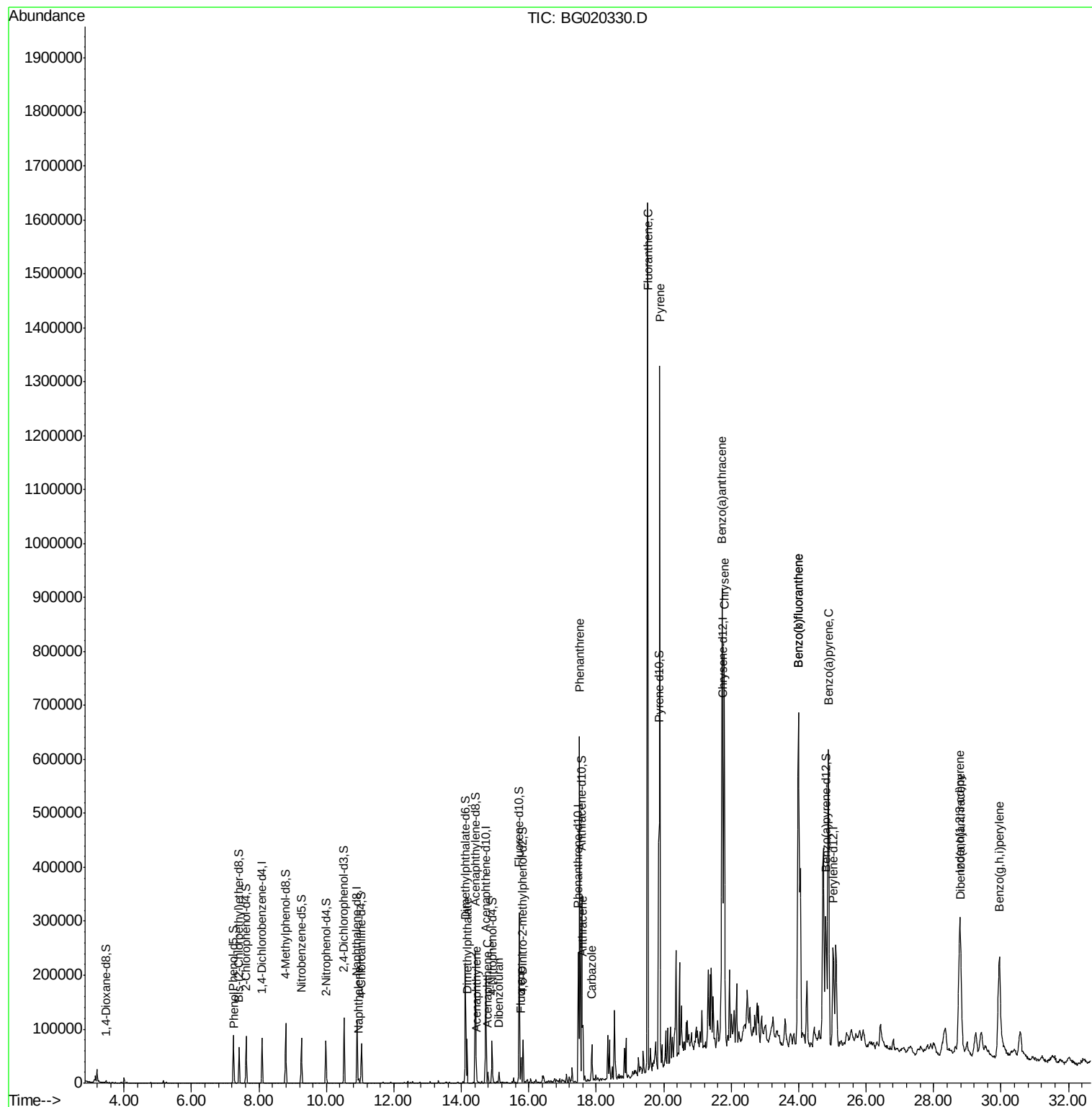
						Qvalue
6) Phenol	7.27	94	2670	1.19	ng/ul	96
28) Naphthalene	10.96	128	8247	1.57	ng/ul	99
45) Dimethylphthalate	14.17	163	53739	9.47	ng/ul	98
48) Acenaphthylene	14.45	152	10783	1.57	ng/ul	96
50) Acenaphthene	14.79	153	9237	2.00	ng/ul	98
54) Dibenzofuran	15.12	168	12522	1.82	ng/ul	92
59) Fluorene	15.77	166	21783	3.94	ng/ul	91
70) Phenanthrene	17.51	178	426983	49.89	ng/ul	99
72) Anthracene	17.60	178	101073	11.64	ng/ul	99
75) Carbazole	17.87	167	45432	6.23	ng/ul	97
77) Fluoranthene	19.52	202	1067557	106.74	ng/ul	99
80) Pyrene	19.88	202	852244	72.15	ng/ul	99
83) Benzo(a)anthracene	21.73	228	551681	48.45	ng/ul	97
85) Chrysene	21.80	228	555393	51.78	ng/ul	95
88) Benzo(b)fluoranthene	23.99	252	826953	71.76	ng/ul	95
89) Benzo(k)fluoranthene	23.99	252	826953	74.78	ng/ul	97
91) Benzo(a)pyrene	24.88	252	598613	54.80	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.78	276	480344	36.92	ng/ul	95
93) Dibenzo(a,h)anthracene	28.81	278	100573	9.31	ng/ul	93
94) Benzo(g,h,i)perylene	29.95	276	440809	41.33	ng/ul	100

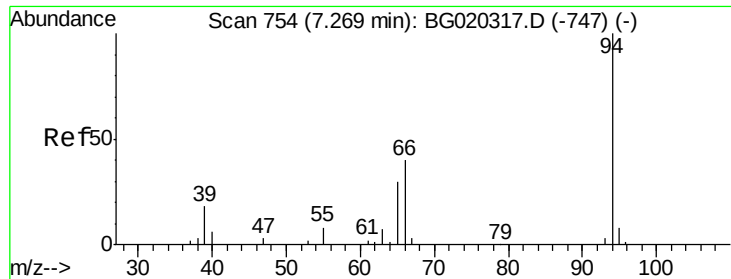
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 20 05:53:46 2015
Response via : Initial Calibration





#6

Phenol

Concen: 1.19 ng/ul

RT: 7.27 min Scan# 754

Delta R.T. -0.00 min

Lab File: BG020330.D

Acq: 20 Dec 2015 2:54

Instrument :

BNA_G

ClientSampleId :

E43M5

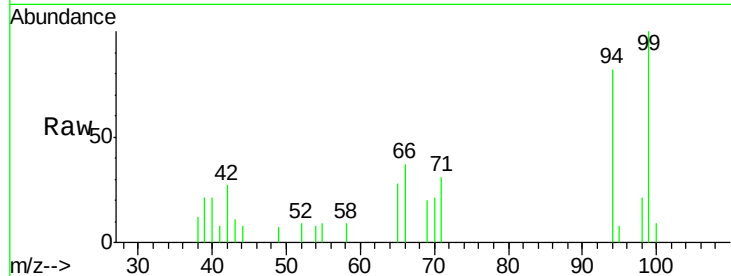
Tgt Ion: 94 Resp: 2670

Ion Ratio Lower Upper

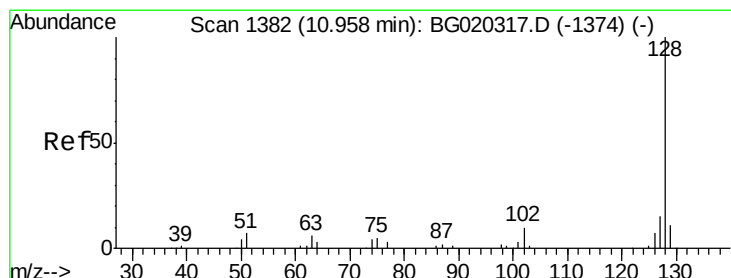
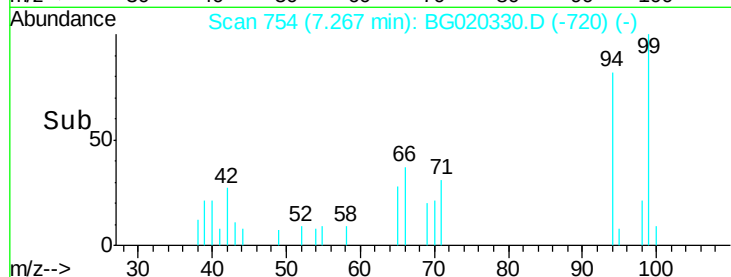
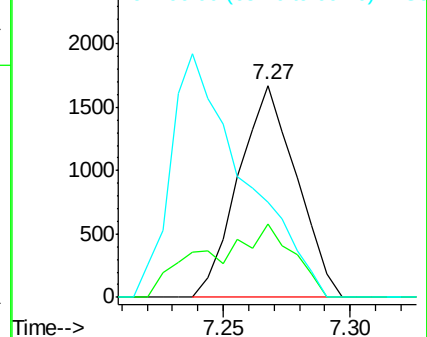
94 100

65 34.6 26.3 39.5

66 44.9 33.3 49.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#28

Naphthalene

Concen: 1.57 ng/ul

RT: 10.96 min Scan# 1382

Delta R.T. -0.00 min

Lab File: BG020330.D

Acq: 20 Dec 2015 2:54

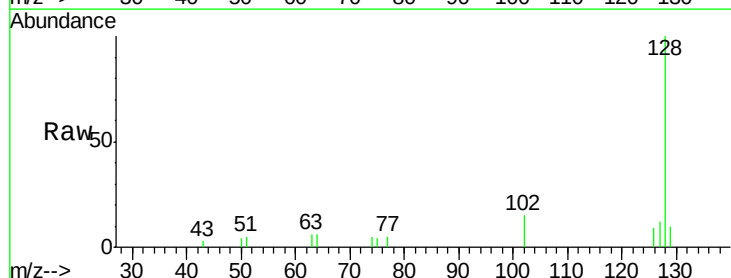
Tgt Ion: 128 Resp: 8247

Ion Ratio Lower Upper

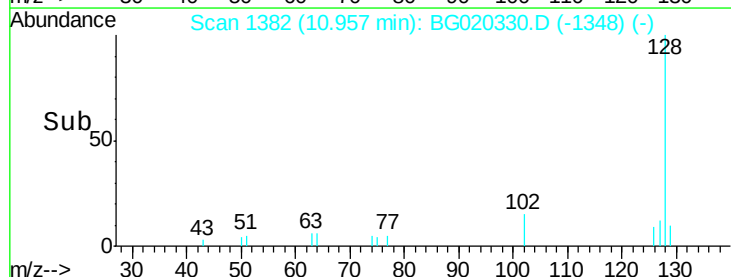
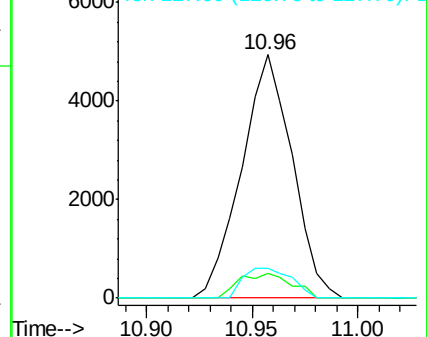
128 100

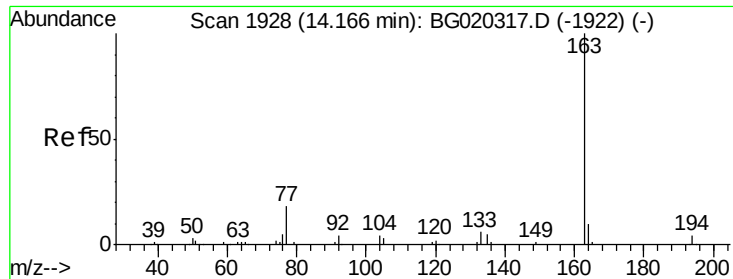
129 10.0 8.6 12.8

127 12.4 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

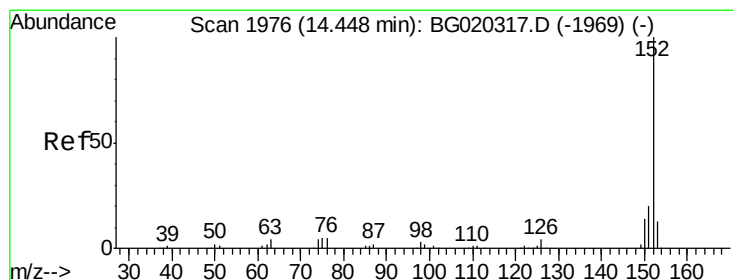
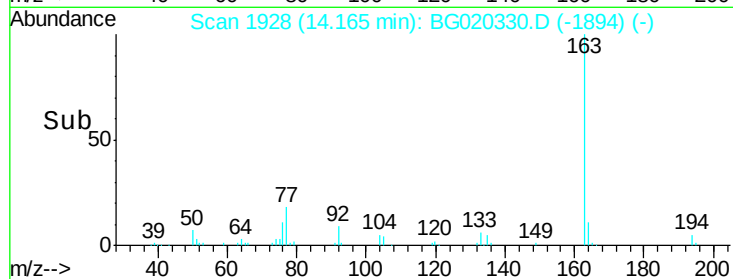
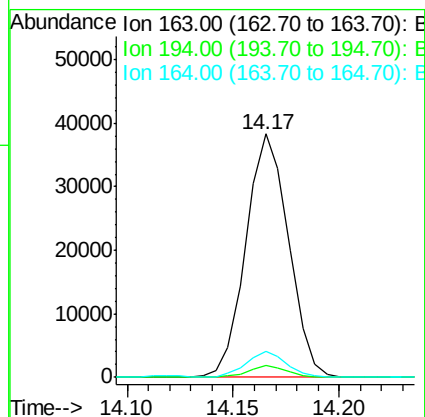
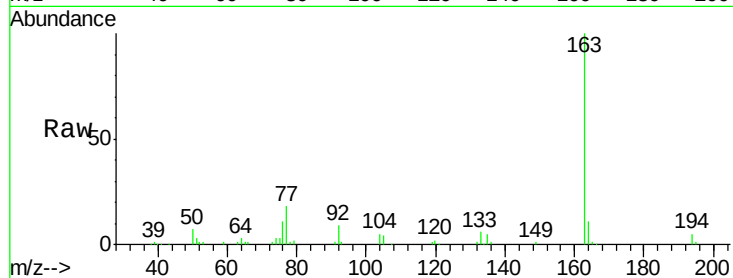




#45
Dimethylphthalate
Concen: 9.47 ng/ul
RT: 14.17 min Scan# 1928
Delta R.T. -0.00 min
Lab File: BG020330.D
Acq: 20 Dec 2015 2:54

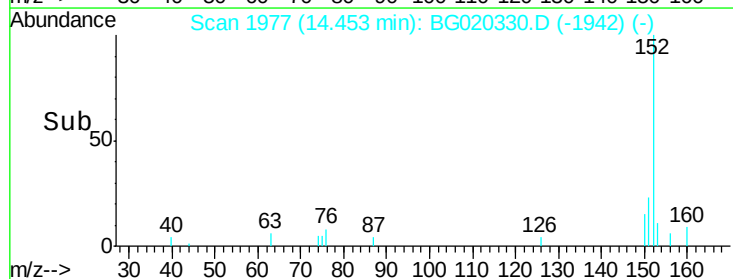
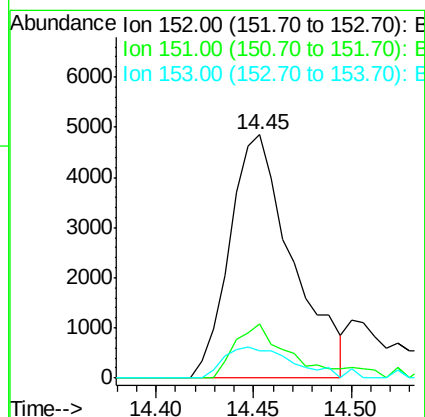
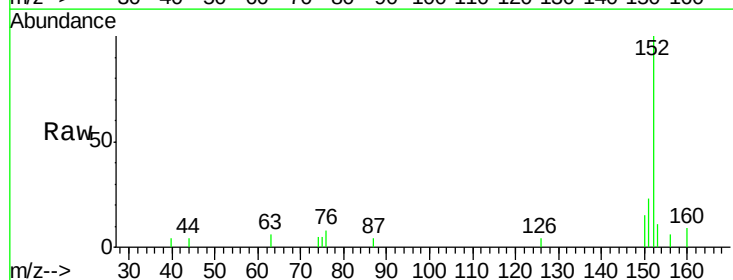
Instrument :
BNA_G
ClientSampleId :
E43M5

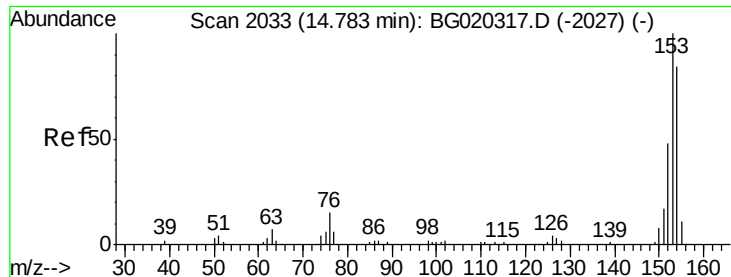
Tgt Ion:163 Resp: 53739
Ion Ratio Lower Upper
163 100
194 4.9 3.5 5.3
164 10.6 7.7 11.5



#48
Acenaphthylene
Concen: 1.57 ng/ul
RT: 14.45 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BG020330.D
Acq: 20 Dec 2015 2:54

Tgt Ion:152 Resp: 10783
Ion Ratio Lower Upper
152 100
151 22.5 16.4 24.6
153 11.2 10.4 15.6





#50

Acenaphthene

Concen: 2.00 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BG020330.D

Acq: 20 Dec 2015 2:54

Instrument :

BNA_G

ClientSampleId :

E43M5

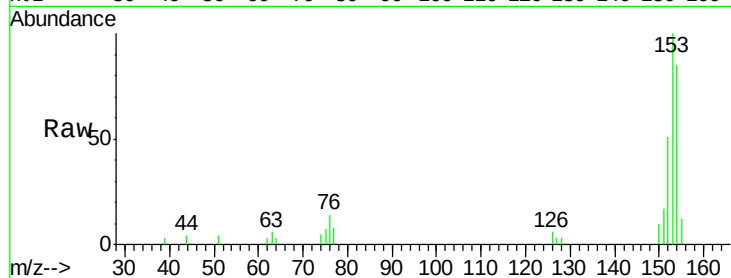
Tgt Ion:153 Resp: 9237

Ion Ratio Lower Upper

153 100

152 51.1 37.6 56.4

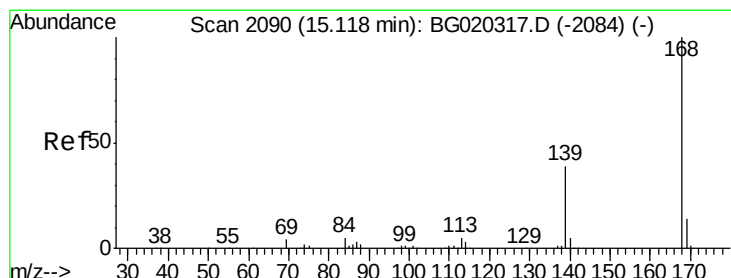
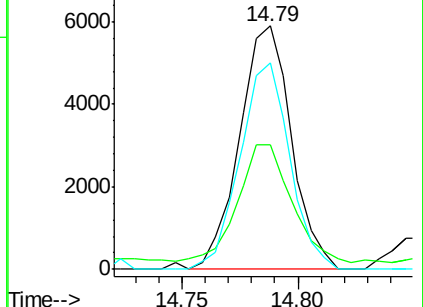
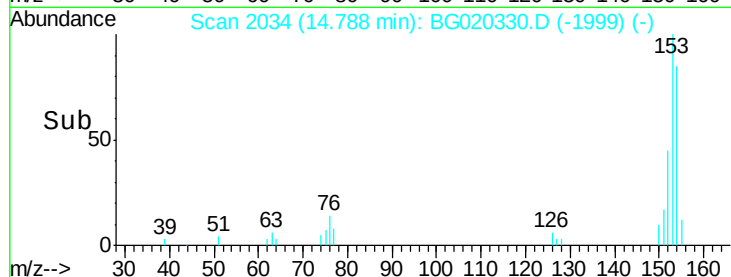
154 85.0 67.9 101.9



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: 1.82 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BG020330.D

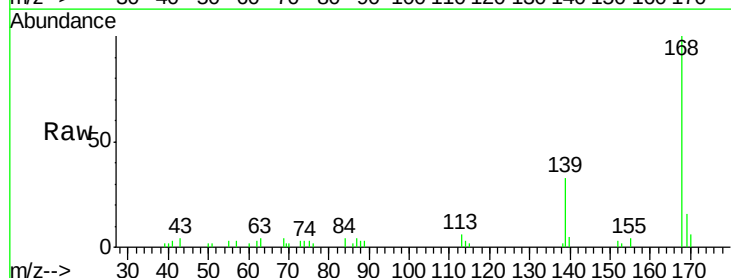
Acq: 20 Dec 2015 2:54

Tgt Ion:168 Resp: 12522

Ion Ratio Lower Upper

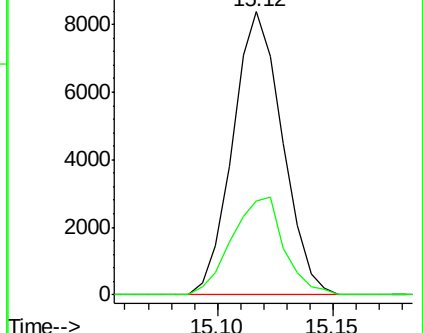
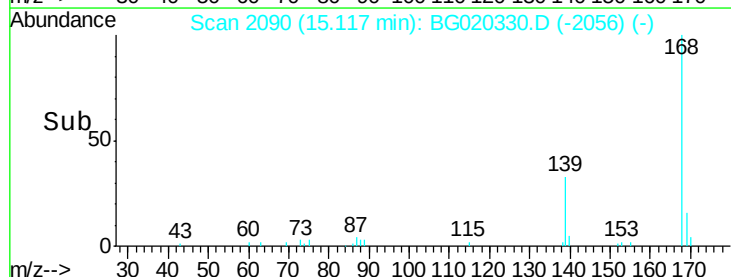
168 100

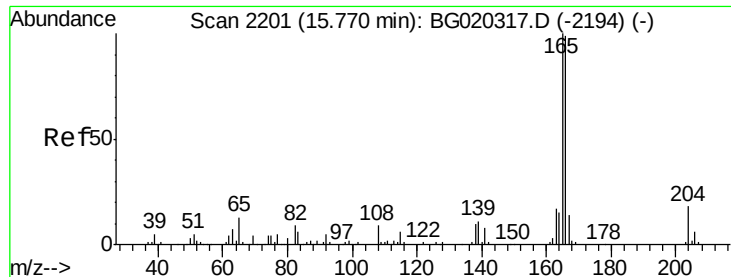
139 33.0 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

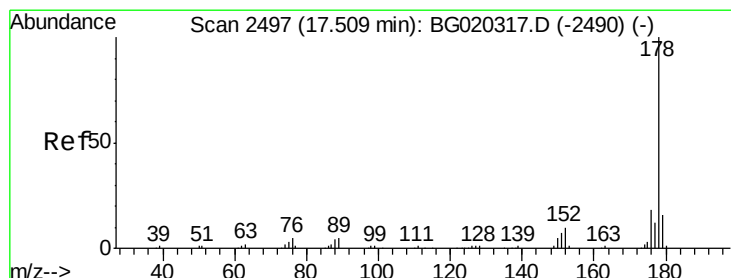
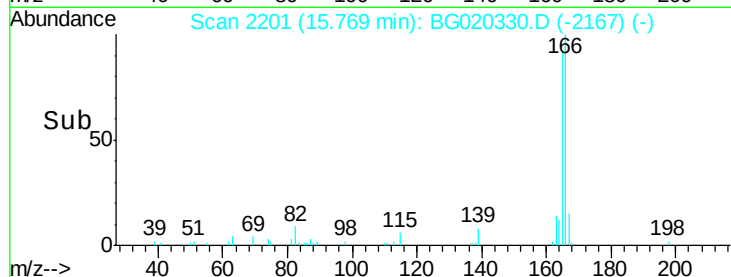
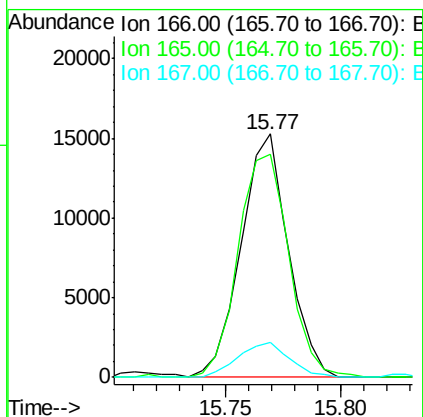
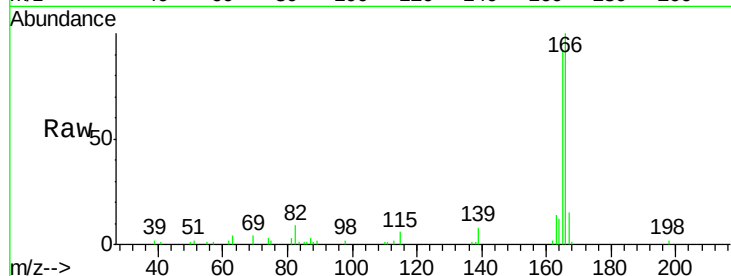




#59
Fluorene
 Concen: 3.94 ng/ul
 RT: 15.77 min Scan# 2201
 Delta R.T. -0.00 min
 Lab File: BG020330.D
 Acq: 20 Dec 2015 2:54

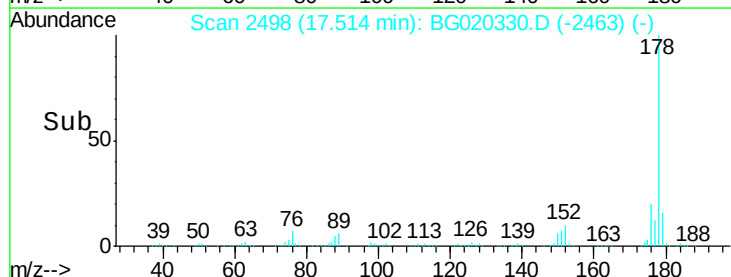
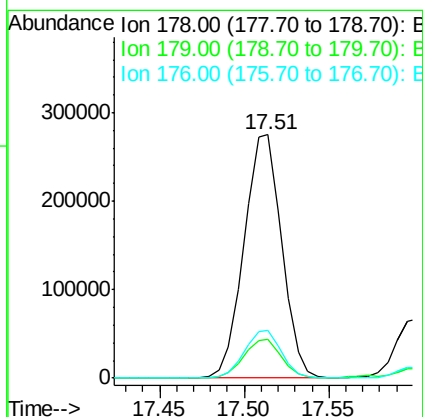
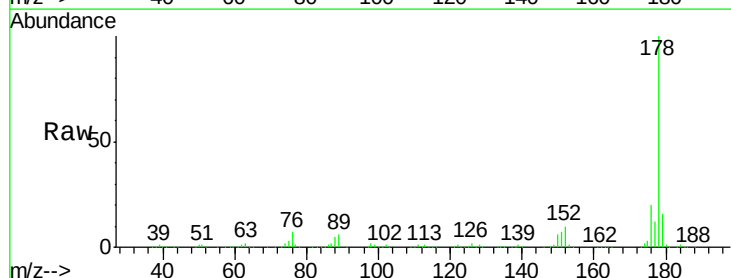
Instrument :
 BNA_G
 ClientSampleId :
 E43M5

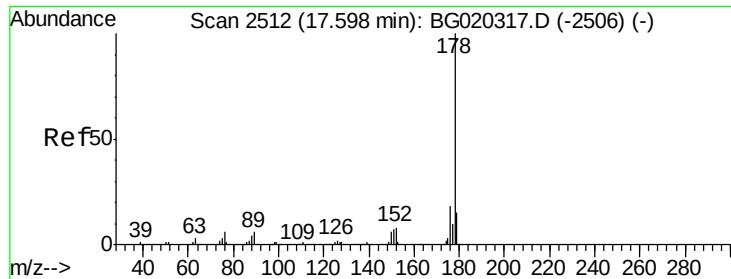
Tgt Ion:166 Resp: 21783
 Ion Ratio Lower Upper
 166 100
 165 91.8 81.4 122.0
 167 14.5 11.2 16.8



#70
Phenanthrene
 Concen: 49.89 ng/ul
 RT: 17.51 min Scan# 2498
 Delta R.T. 0.00 min
 Lab File: BG020330.D
 Acq: 20 Dec 2015 2:54

Tgt Ion:178 Resp: 426983
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.9 19.3
 176 19.5 15.3 22.9





#72

Anthracene

Concen: 11.64 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG020330.D

Acq: 20 Dec 2015 2:54

Instrument :

BNA_G

ClientSampleId :

E43M5

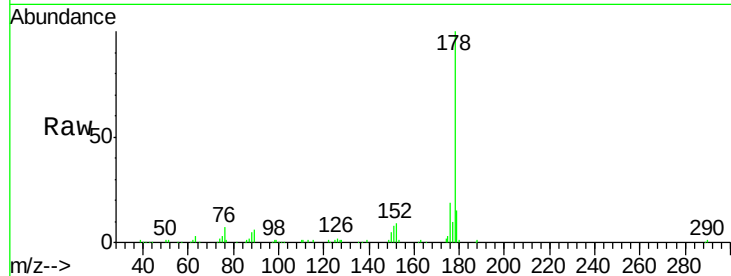
Tgt Ion:178 Resp: 101073

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

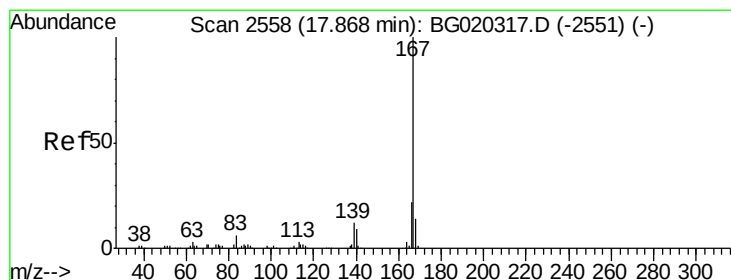
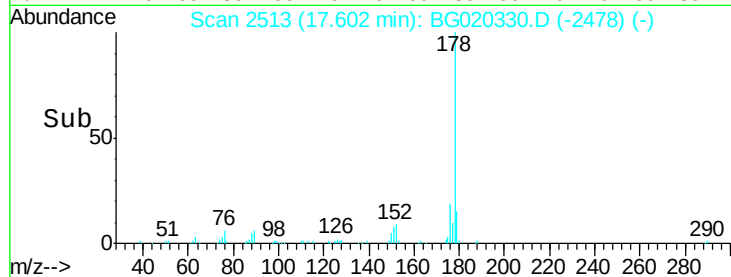
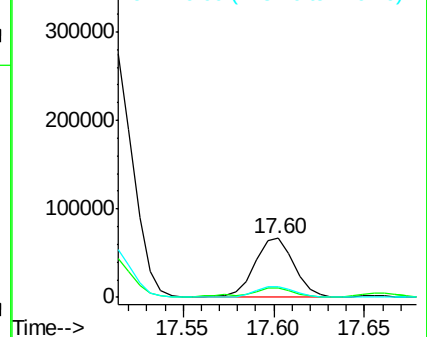
176 18.7 14.3 21.5



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: 6.23 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020330.D

Acq: 20 Dec 2015 2:54

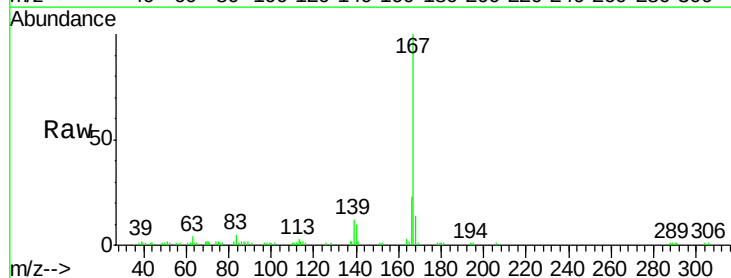
Tgt Ion:167 Resp: 45432

Ion Ratio Lower Upper

167 100

166 23.0 17.0 25.6

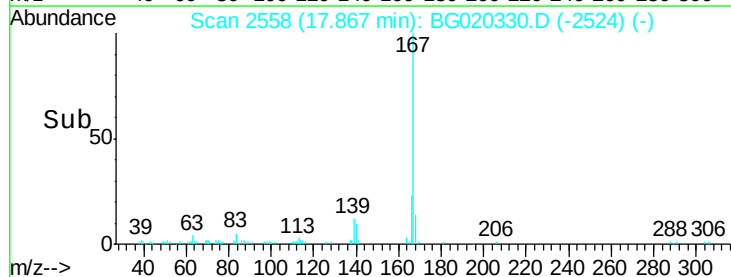
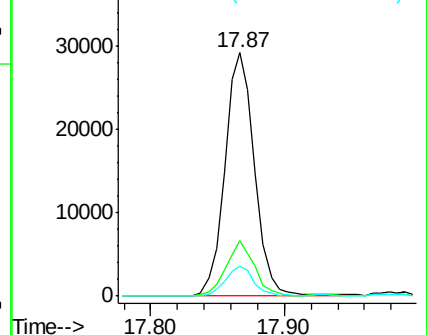
139 12.3 10.1 15.1

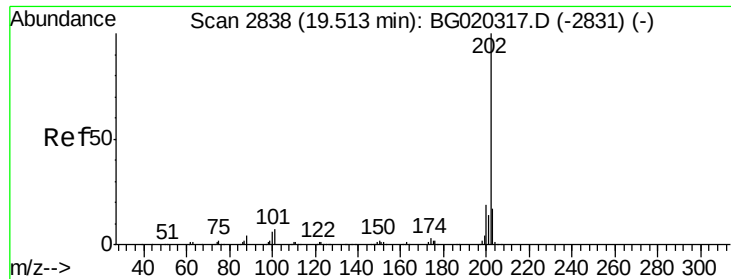


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

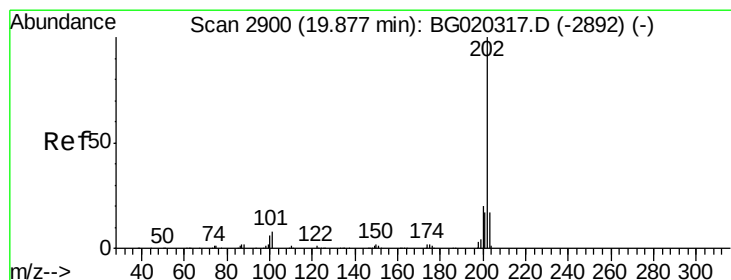
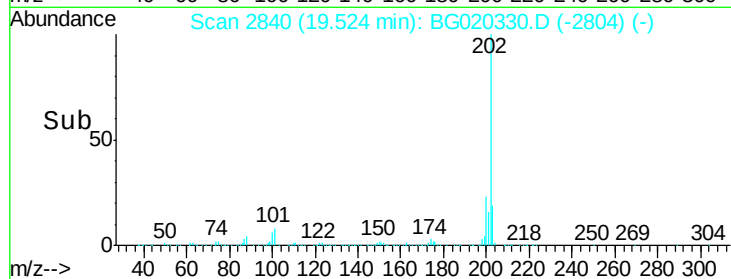
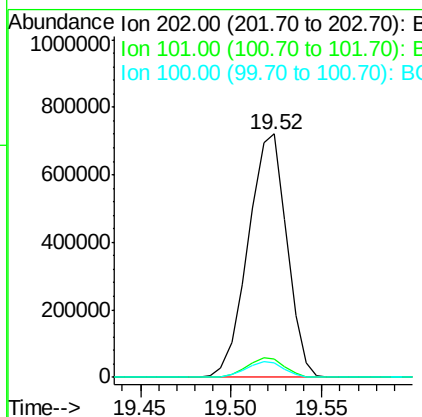
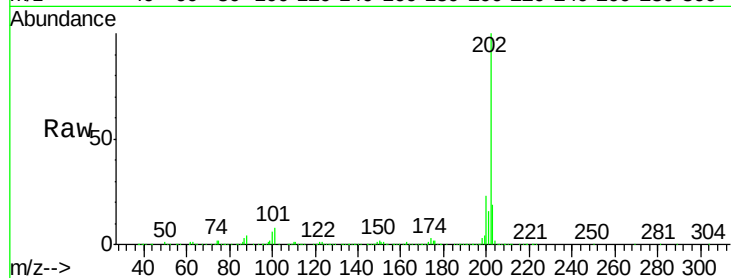




#77
 Fluoranthene
 Concen: 106.74 ng/ul
 RT: 19.52 min Scan# 2840
 Delta R.T. 0.01 min
 Lab File: BG020330.D
 Acq: 20 Dec 2015 2:54

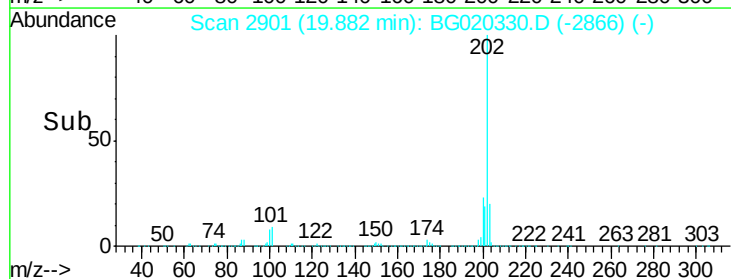
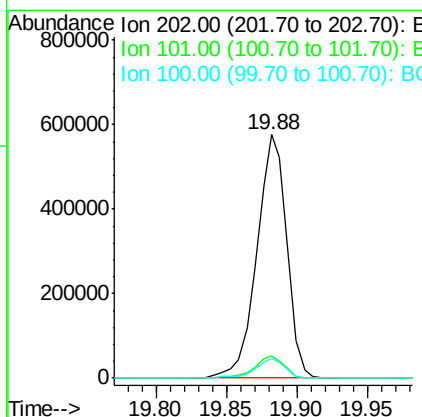
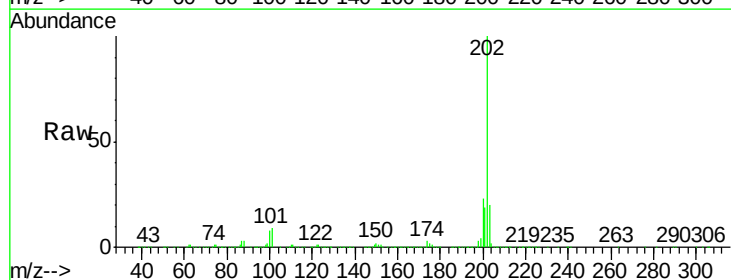
Instrument :
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 E43M5

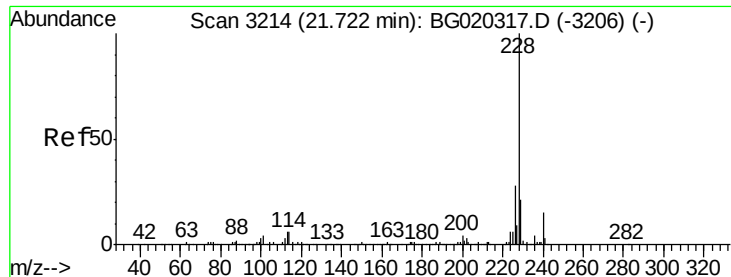
Tgt Ion:202 Resp: 1067557
 Ion Ratio Lower Upper
 202 100
 101 7.7 6.2 9.4
 100 6.1 5.1 7.7



#80
 Pyrene
 Concen: 72.15 ng/ul
 RT: 19.88 min Scan# 2901
 Delta R.T. 0.00 min
 Lab File: BG020330.D
 Acq: 20 Dec 2015 2:54

Tgt Ion:202 Resp: 852244
 Ion Ratio Lower Upper
 202 100
 101 9.2 7.0 10.4
 100 8.1 6.4 9.6





#83

Benzo(a)anthracene

Concen: 48.45 ng/ul

RT: 21.73 min Scan# 3215

Delta R.T. 0.00 min

Lab File: BG020330.D

Acq: 20 Dec 2015 2:54

Instrument :

BNA_G

ClientSampleId :

E43M5

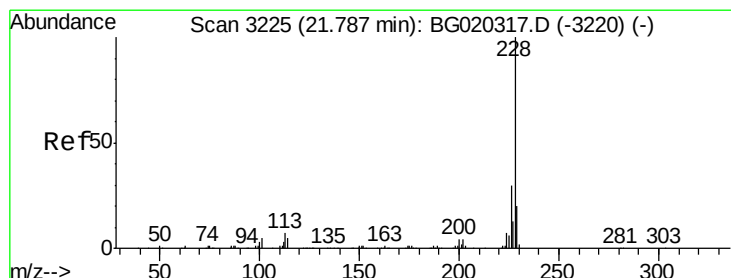
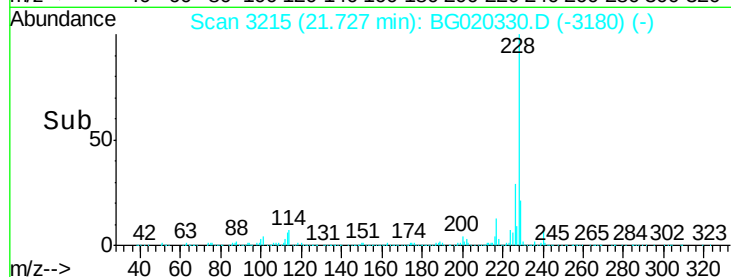
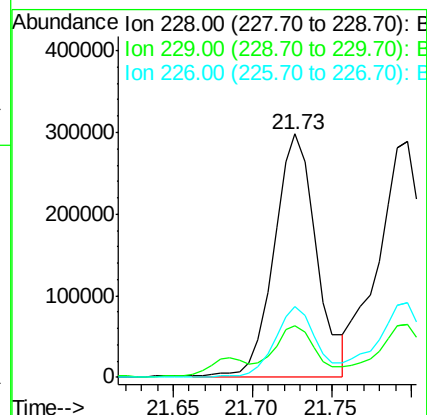
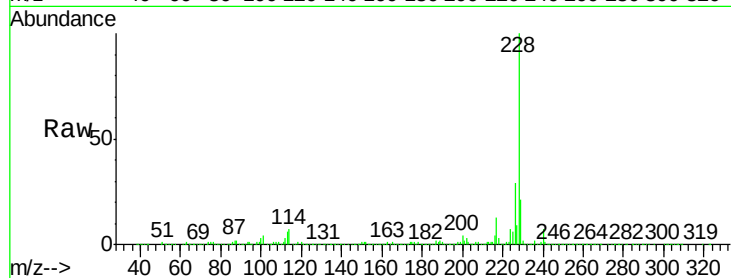
Tgt Ion:228 Resp: 551681

Ion Ratio Lower Upper

228 100

229 21.3 15.8 23.8

226 28.9 21.8 32.6



#85

Chrysene

Concen: 51.78 ng/ul

RT: 21.80 min Scan# 3227

Delta R.T. 0.01 min

Lab File: BG020330.D

Acq: 20 Dec 2015 2:54

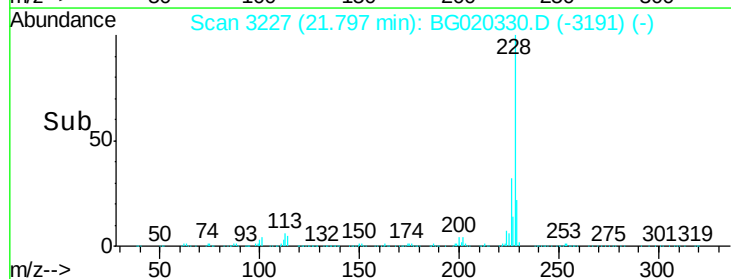
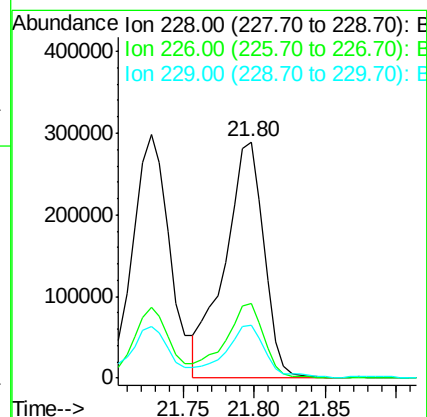
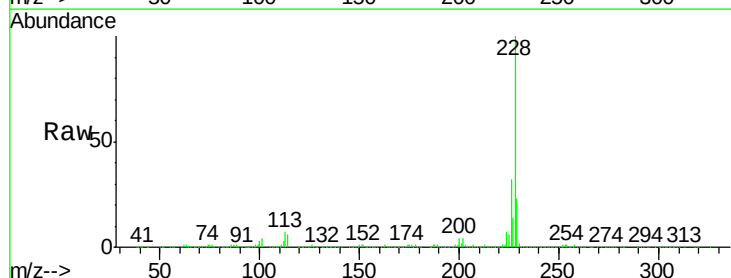
Tgt Ion:228 Resp: 555393

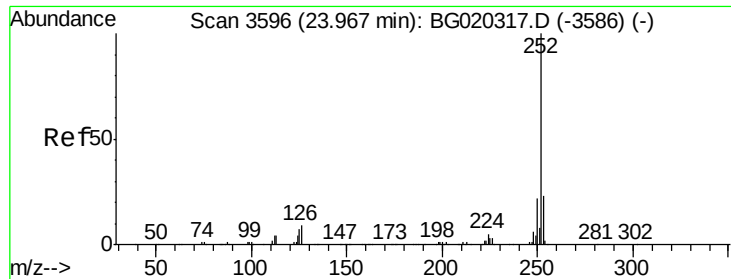
Ion Ratio Lower Upper

228 100

226 31.7 23.9 35.9

229 22.6 15.6 23.4

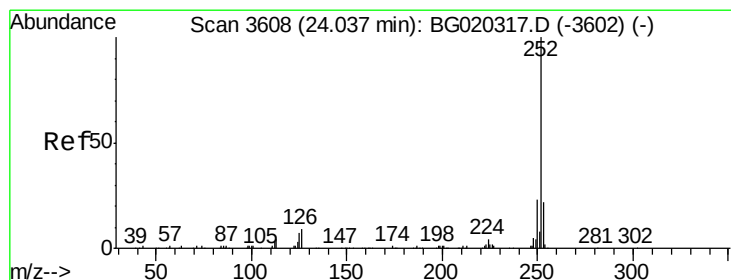
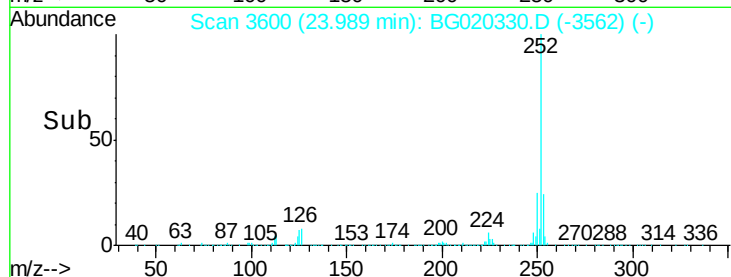
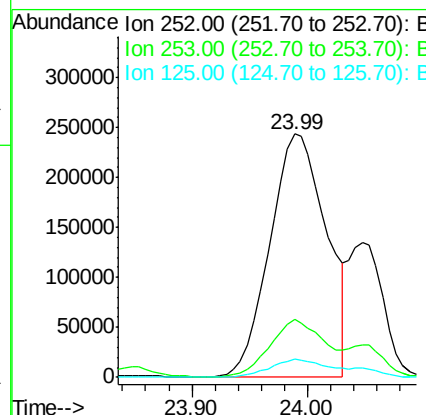
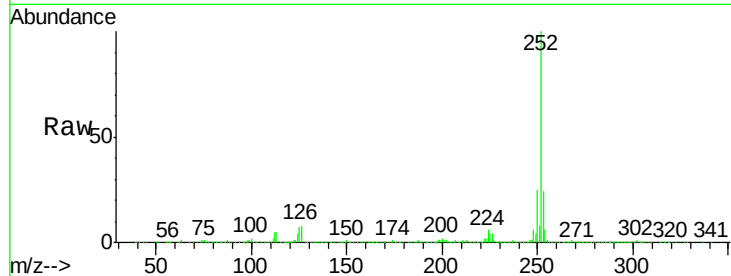




#88
Benzo(b)fluoranthene
Concen: 71.76 ng/ul
RT: 23.99 min Scan# 3600
Delta R.T. 0.02 min
Lab File: BG020330.D
Acq: 20 Dec 2015 2:54

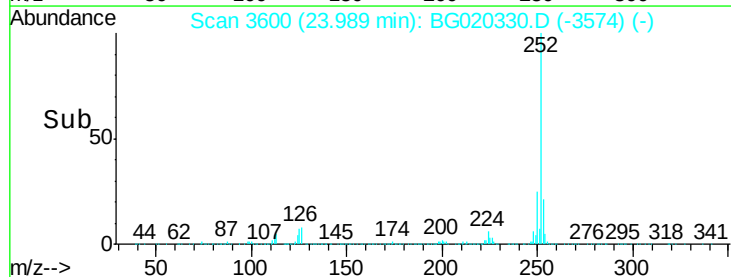
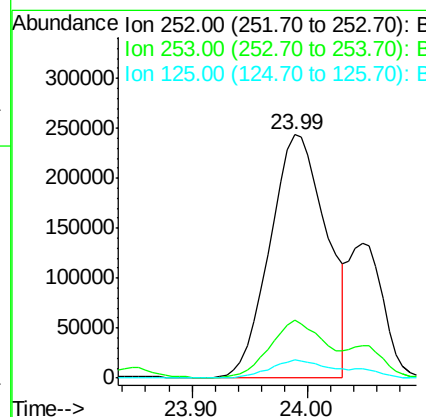
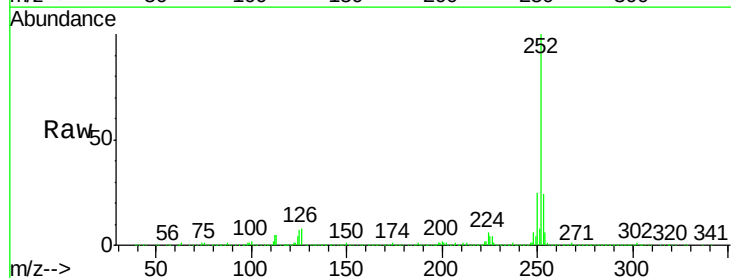
Instrument :
BNA_G
ClientSampleId :
E43M5

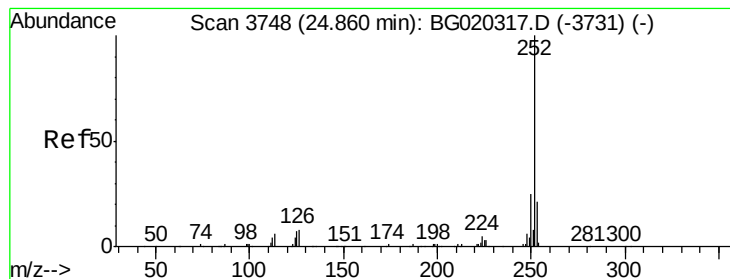
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	16.7	25.1
125	7.4	6.2	9.2



#89
Benzo(k)fluoranthene
Concen: 74.78 ng/ul
RT: 23.99 min Scan# 3600
Delta R.T. -0.05 min
Lab File: BG020330.D
Acq: 20 Dec 2015 2:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	7.4	5.8	8.6





#91

Benzo(a)pyrene

Concen: 54.80 ng/ul

RT: 24.88 min Scan# 3752

Delta R.T. 0.02 min

Lab File: BG020330.D

Acq: 20 Dec 2015 2:54

Instrument :

BNA_G

ClientSampled :

E43M5

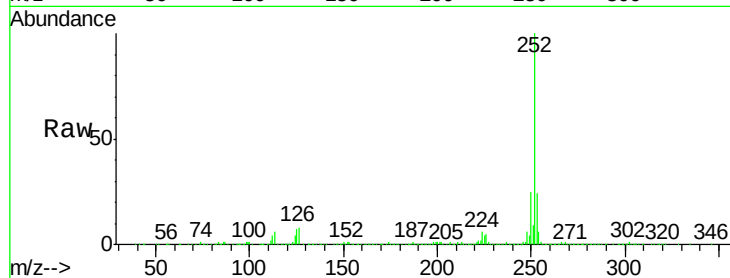
Tgt Ion:252 Resp: 598613

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.4

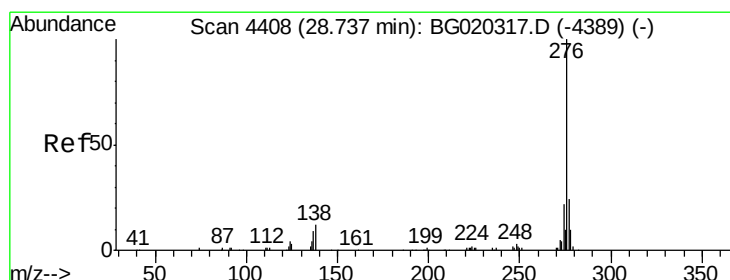
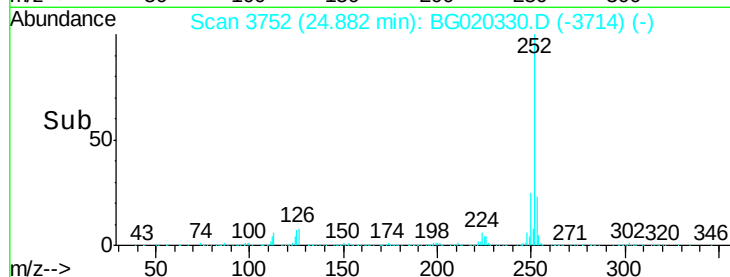
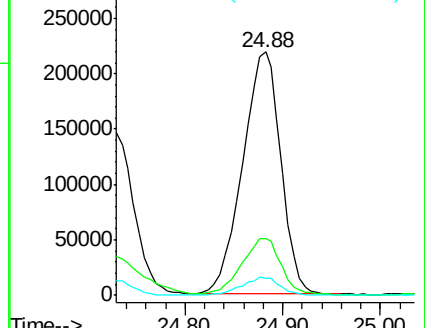
125 7.0 6.2 9.4



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 36.92 ng/ul

RT: 28.78 min Scan# 4415

Delta R.T. 0.04 min

Lab File: BG020330.D

Acq: 20 Dec 2015 2:54

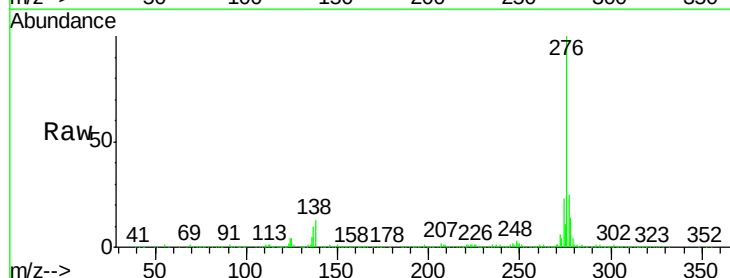
Tgt Ion:276 Resp: 480344

Ion Ratio Lower Upper

276 100

138 12.6 11.4 17.0

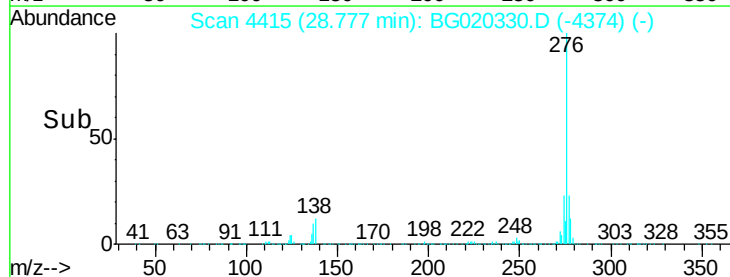
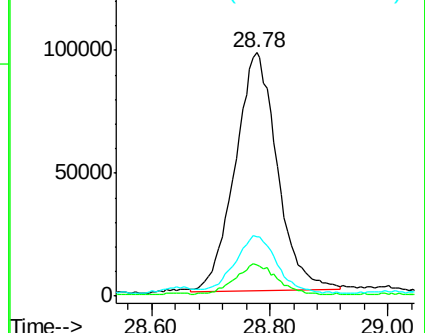
277 24.6 17.4 26.0

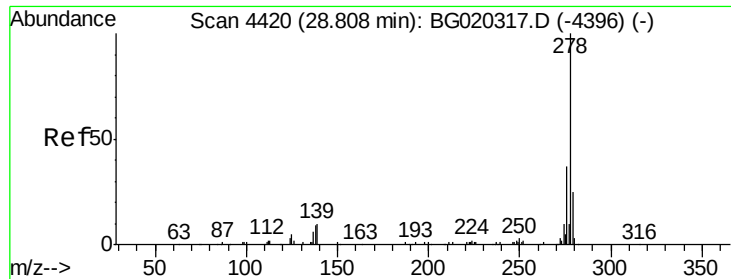


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

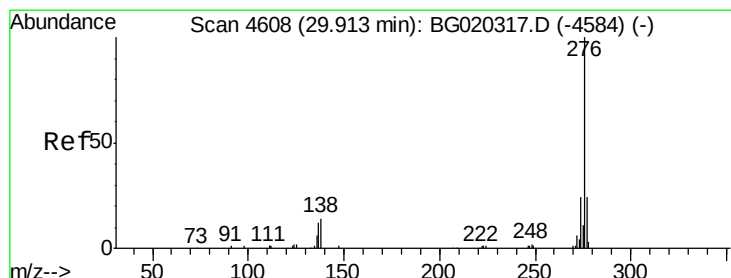
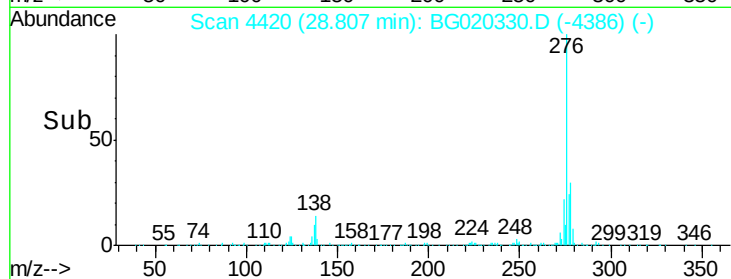
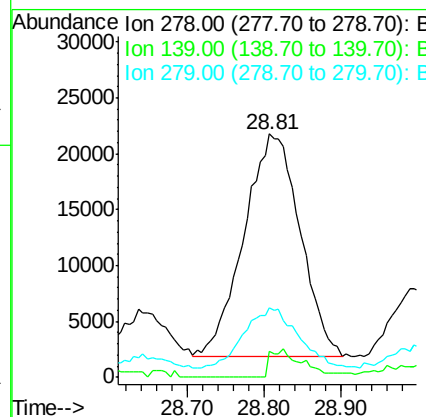
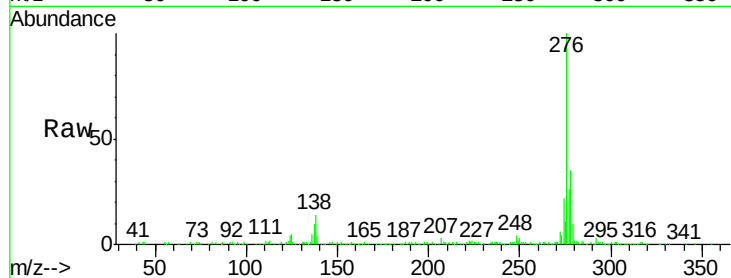




#93
Dibenzo(a,h)anthracene
Concen: 9.31 ng/ul
RT: 28.81 min Scan# 4420
Delta R.T. -0.00 min
Lab File: BG020330.D
Acq: 20 Dec 2015 2:54

Instrument :
BNA_G
ClientSampleId :
E43M5

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.6	9.4	14.2
279	28.6	19.4	29.0



#94
Benzo(g,h,i)perylene
Concen: 41.33 ng/ul
RT: 29.95 min Scan# 4614
Delta R.T. 0.03 min
Lab File: BG020330.D
Acq: 20 Dec 2015 2:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.4	10.8	16.2
277	25.2	19.9	29.9

