

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020332.D
 Acq On : 20 Dec 2015 4:51
 Operator : UM/SJ
 Sample : G4866-12 30X
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E43M4

Quant Time: Dec 21 07:14:25 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:12:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	20469	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	93181	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	65654	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	147226	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	181649	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	180468	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.24	99	1559	0.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	986	0.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	1160	0.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	1343	0.87	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	520	0.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	743	0.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	1443	0.88	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	1115	0.61	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	5042	0.95	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	6251	1.01	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	318	0.33	ng/ul	0.00
58) Fluorene-d10	15.71	176	5110	1.06	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	71	0.08	ng/ul	0.00
71) Anthracene-d10	17.47	188	147226	21.70	ng/ul	-0.10
79) Pyrene-d10	19.85	212	8464	1.00	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.81	264	9540	1.06	ng/ul	0.01

Target Compounds

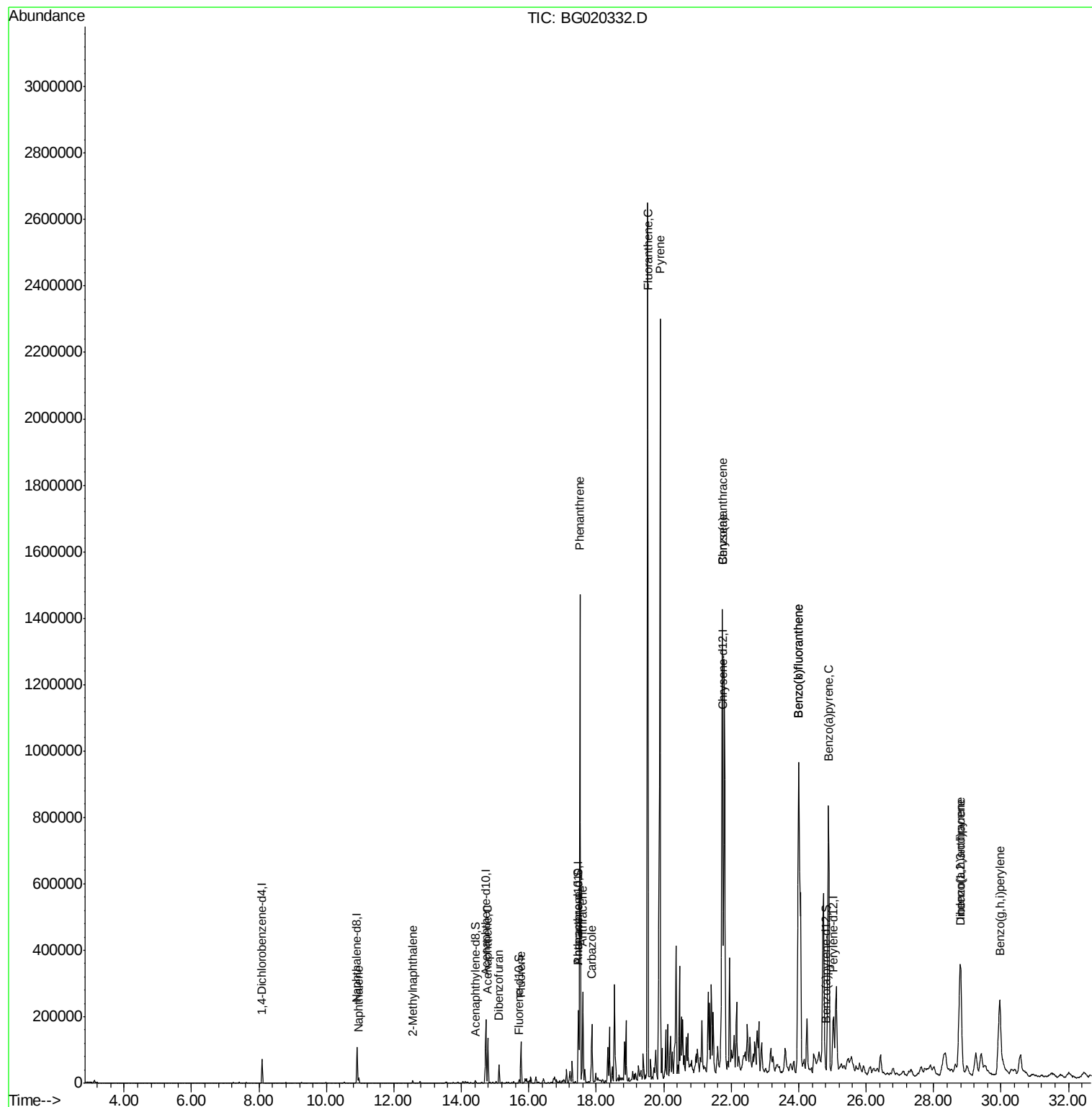
						Qvalue
28) Naphthalene	10.96	128	15142	3.11	ng/ul	98
34) 2-Methylnaphthalene	12.56	142	4287	1.15	ng/ul	91
50) Acenaphthene	14.79	153	60112	13.61	ng/ul	94
54) Dibenzofuran	15.12	168	33810	5.15	ng/ul	95
59) Fluorene	15.76	166	56632	10.73	ng/ul	97
70) Phenanthrene	17.51	178	955417	118.64	ng/ul	98
72) Anthracene	17.60	178	193685	23.71	ng/ul	98
75) Carbazole	17.87	167	116410	16.96	ng/ul	99
77) Fluoranthene	19.53	202	1773050	188.39	ng/ul	96
80) Pyrene	19.89	202	1587314	144.38	ng/ul	96
83) Benzo(a)anthracene	21.73	228	914758	86.31	ng/ul	95
85) Chrysene	21.73	228	914242	91.59	ng/ul	98
88) Benzo(b)fluoranthene	24.00	252	1266830	116.63	ng/ul	96
89) Benzo(k)fluoranthene	24.00	252	1266830	121.54	ng/ul	98
91) Benzo(a)pyrene	24.89	252	926073	89.94	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.78	276	637892	52.02	ng/ul	96
93) Dibenzo(a,h)anthracene	28.81	278	146955	14.44	ng/ul#	92
94) Benzo(g,h,i)perylene	29.96	276	570622	56.77	ng/ul	97

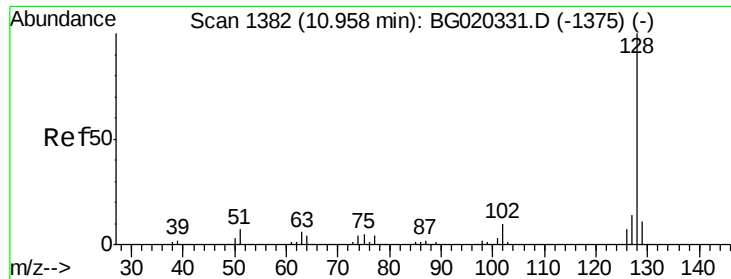
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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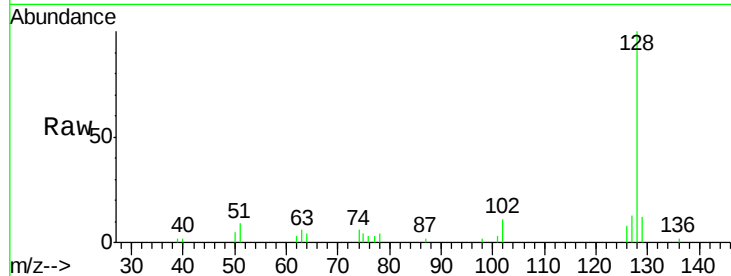




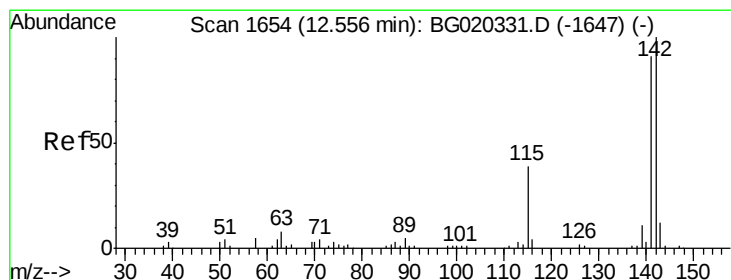
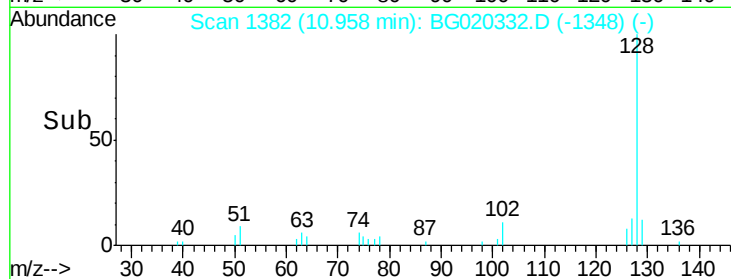
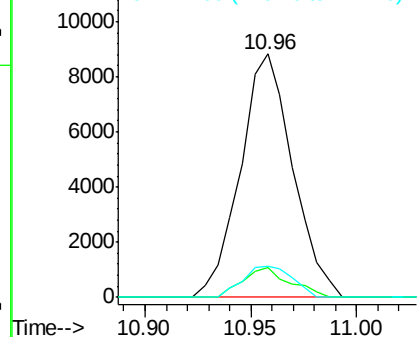
#28
Naphthalene
Concen: 3.11 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.00 min
Lab File: BG020332.D
Acq: 20 Dec 2015 4:51

Instrument :
BNA_G
ClientSampleId :
E43M4

Tgt Ion:128 Resp: 15142
Ion Ratio Lower Upper
128 100
129 12.4 8.6 12.8
127 12.7 10.1 15.1

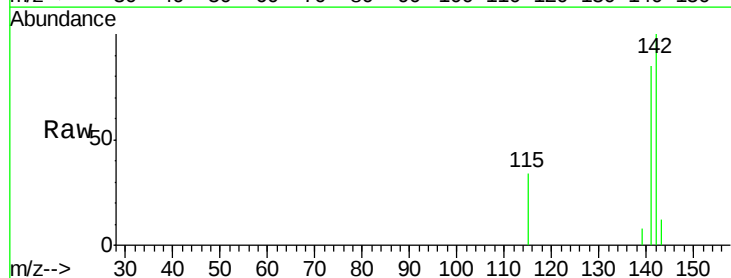


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

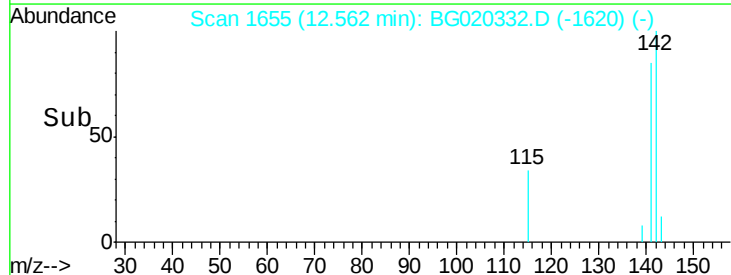
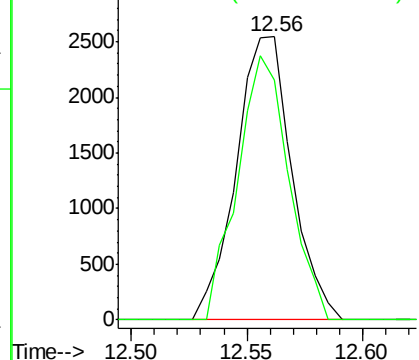


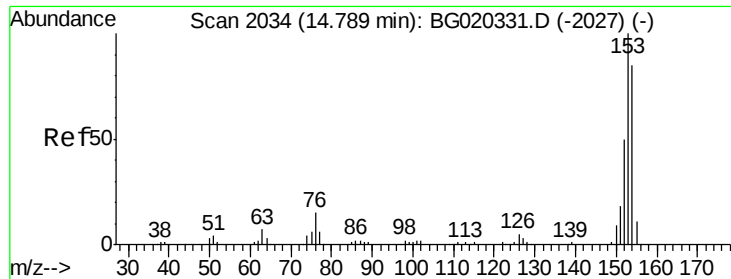
#34
2-Methylnaphthalene
Concen: 1.15 ng/ul
RT: 12.56 min Scan# 1655
Delta R.T. 0.01 min
Lab File: BG020332.D
Acq: 20 Dec 2015 4:51

Tgt Ion:142 Resp: 4287
Ion Ratio Lower Upper
142 100
141 84.6 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#50

Acenaphthene

Concen: 13.61 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BG020332.D

Acq: 20 Dec 2015 4:51

Instrument :

BNA_G

ClientSampleId :

E43M4

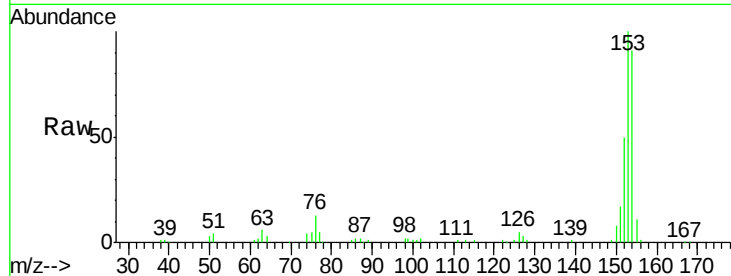
Tgt Ion:153 Resp: 60112

Ion Ratio Lower Upper

153 100

152 49.8 37.6 56.4

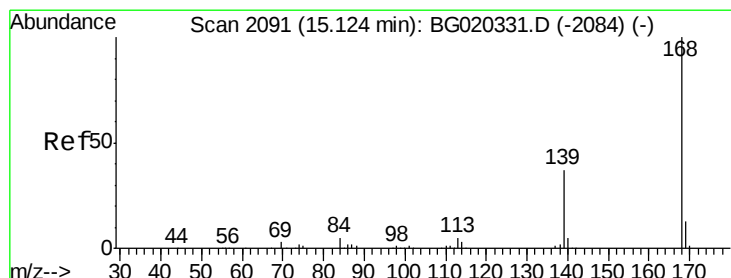
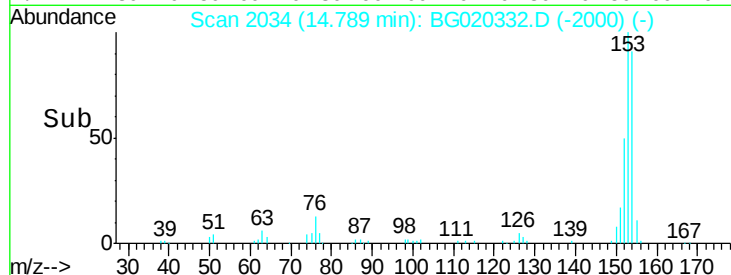
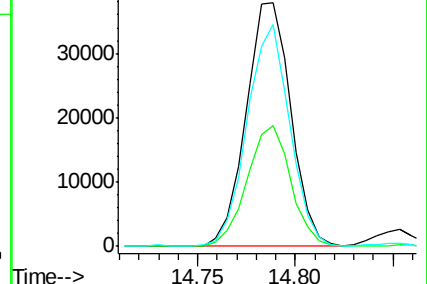
154 91.0 67.9 101.9



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: 5.15 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BG020332.D

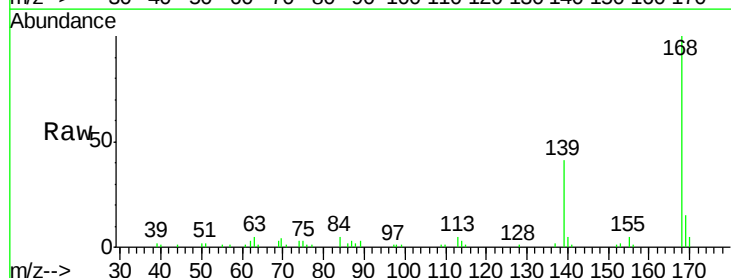
Acq: 20 Dec 2015 4:51

Tgt Ion:168 Resp: 33810

Ion Ratio Lower Upper

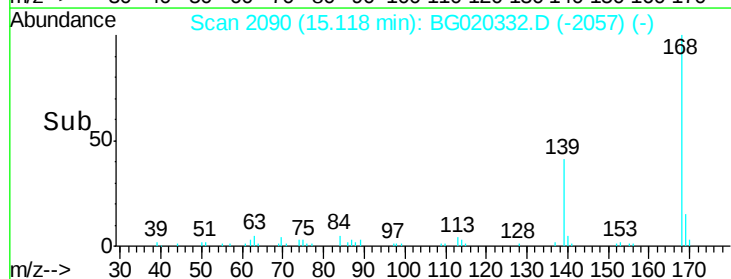
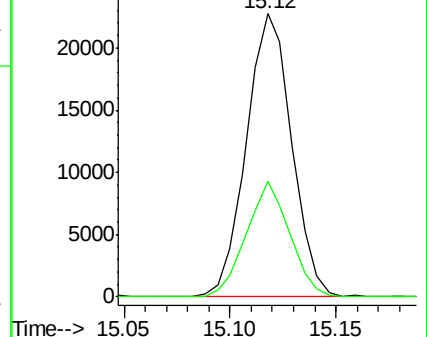
168 100

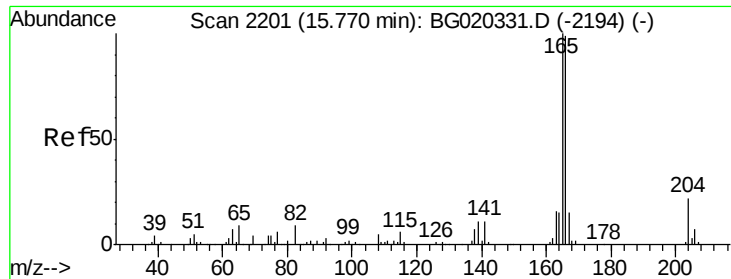
139 40.9 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

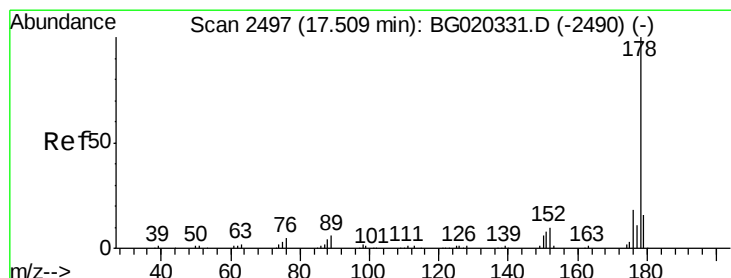
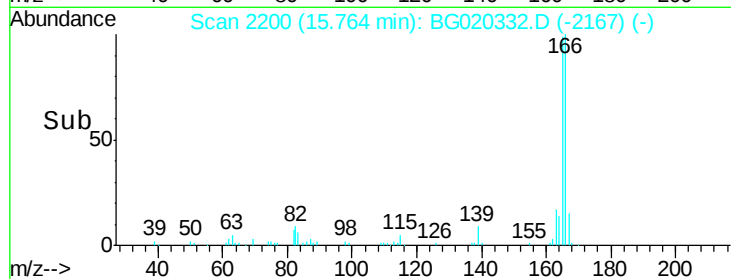
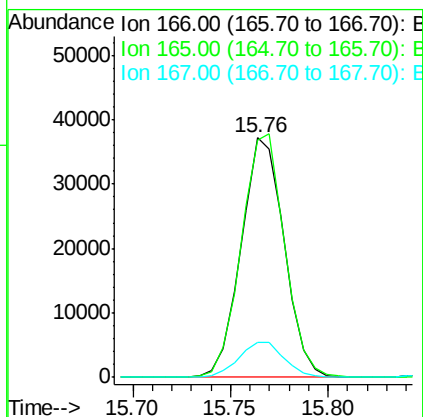
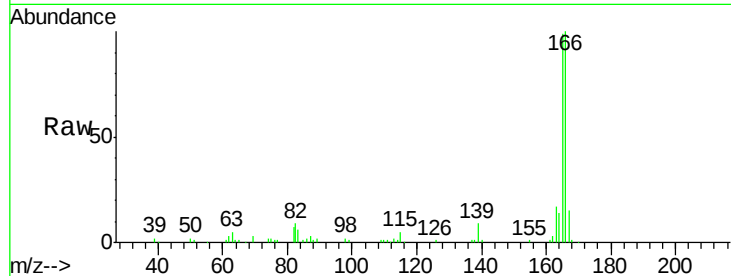




#59
 Fluorene
 Concen: 10.73 ng/ul
 RT: 15.76 min Scan# 2200
 Delta R.T. -0.01 min
 Lab File: BG020332.D
 Acq: 20 Dec 2015 4:51

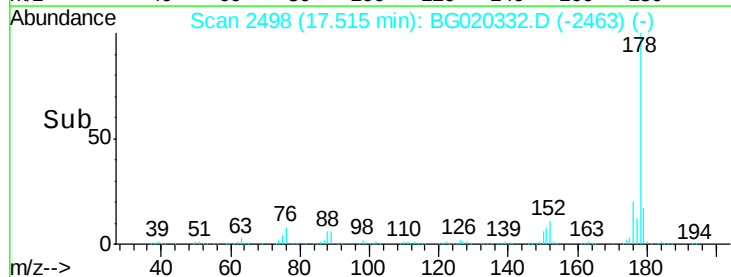
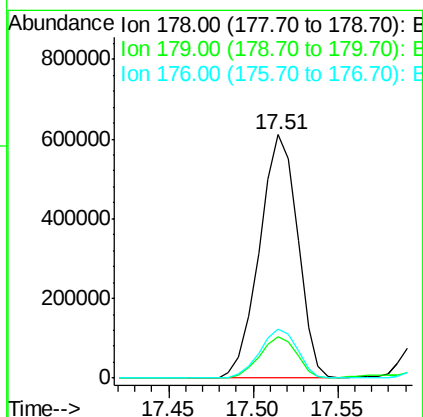
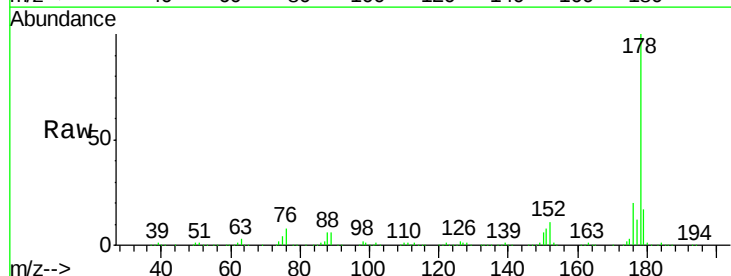
Instrument :
 BNA_G
 ClientSampleId :
 E43M4

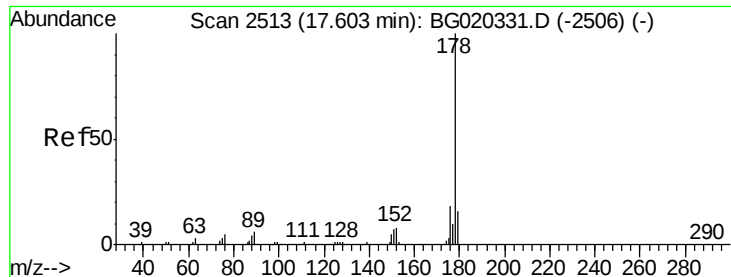
Tgt Ion:166 Resp: 56632
 Ion Ratio Lower Upper
 166 100
 165 98.9 81.4 122.0
 167 14.8 11.2 16.8



#70
 Phenanthrene
 Concen: 118.64 ng/ul
 RT: 17.51 min Scan# 2498
 Delta R.T. 0.01 min
 Lab File: BG020332.D
 Acq: 20 Dec 2015 4:51

Tgt Ion:178 Resp: 955417
 Ion Ratio Lower Upper
 178 100
 179 17.1 12.9 19.3
 176 20.1 15.3 22.9





#72

Anthracene

Concen: 23.71 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG020332.D

Acq: 20 Dec 2015 4:51

Instrument :

BNA_G

ClientSampleId :

E43M4

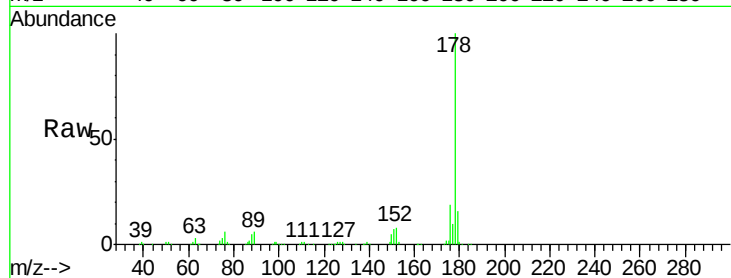
Tgt Ion:178 Resp: 193685

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

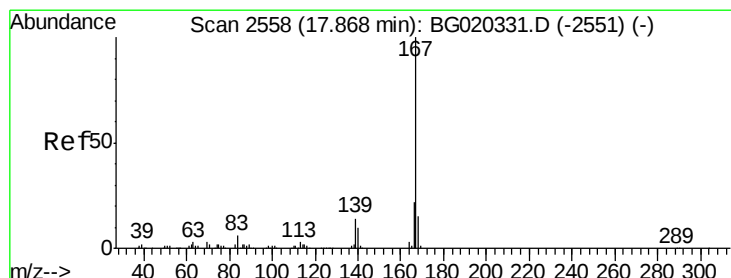
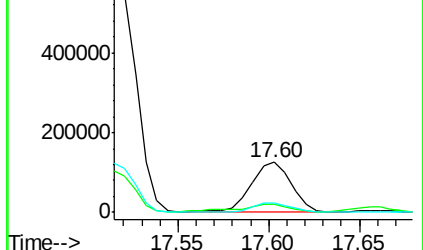
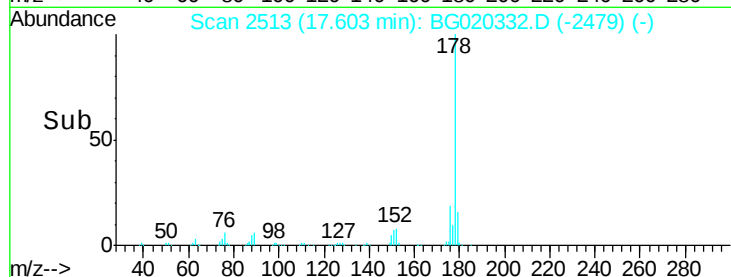
176 18.9 14.3 21.5



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: 16.96 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020332.D

Acq: 20 Dec 2015 4:51

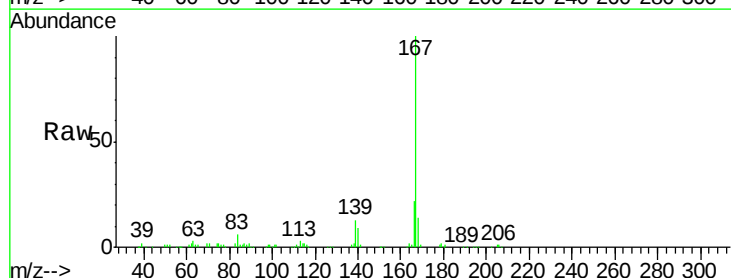
Tgt Ion:167 Resp: 116410

Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.6

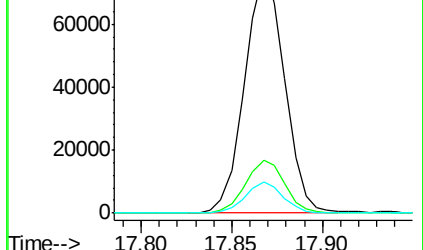
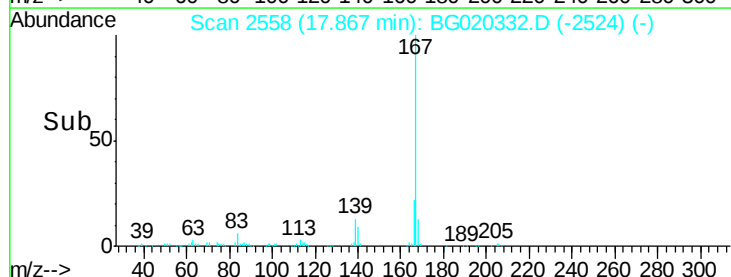
139 12.7 10.1 15.1

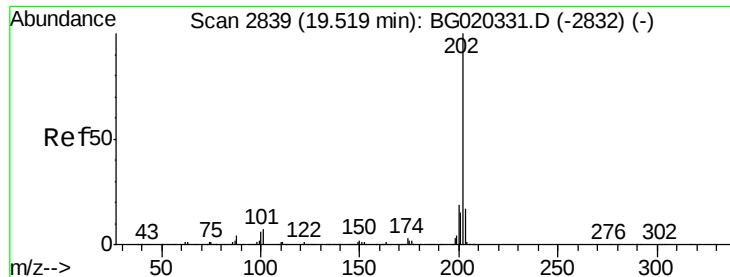


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

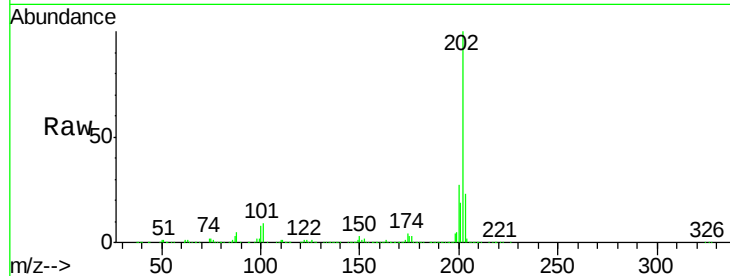




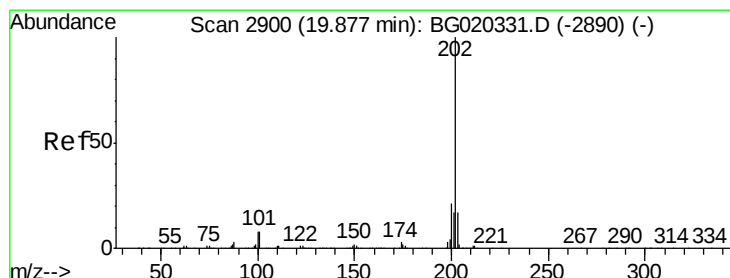
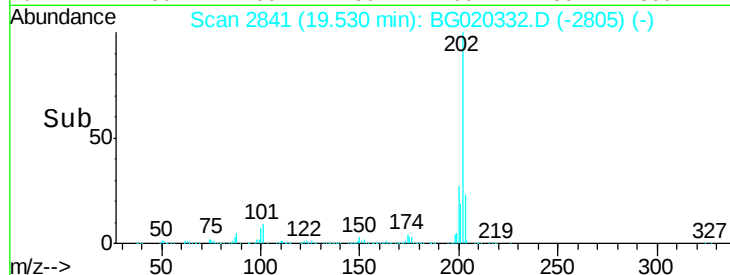
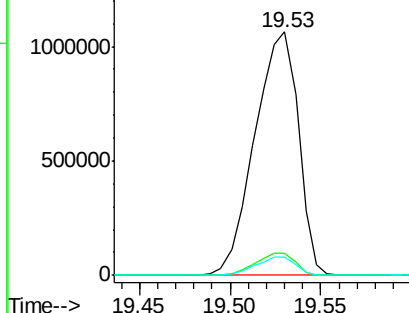
#77
 Fluoranthene
 Concen: 188.39 ng/ul
 RT: 19.53 min Scan# 2841
 Delta R.T. 0.01 min
 Lab File: BG020332.D
 Acq: 20 Dec 2015 4:51

Instrument :
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 ClientSampleId :
 E43M4

Tgt Ion:202 Resp: 1773050
 Ion Ratio Lower Upper
 202 100
 101 9.2 6.2 9.4
 100 7.5 5.1 7.7

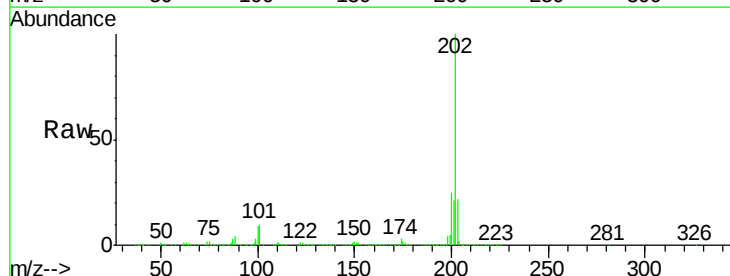


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

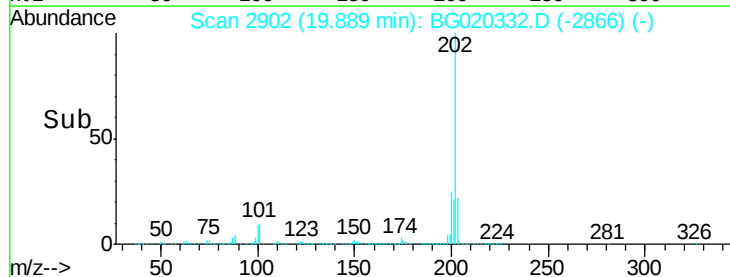
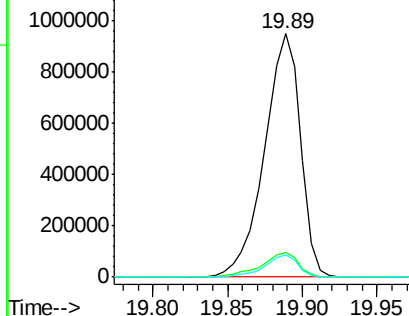


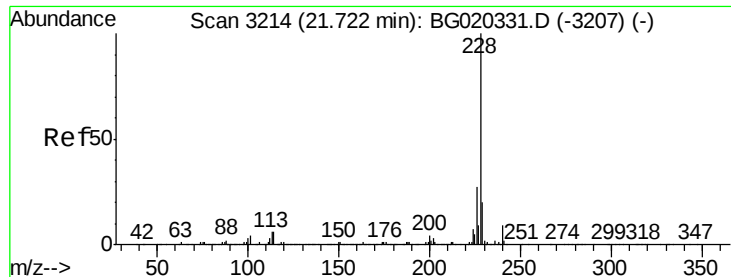
#80
 Pyrene
 Concen: 144.38 ng/ul
 RT: 19.89 min Scan# 2902
 Delta R.T. 0.01 min
 Lab File: BG020332.D
 Acq: 20 Dec 2015 4:51

Tgt Ion:202 Resp: 1587314
 Ion Ratio Lower Upper
 202 100
 101 10.3 7.0 10.4
 100 9.0 6.4 9.6



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

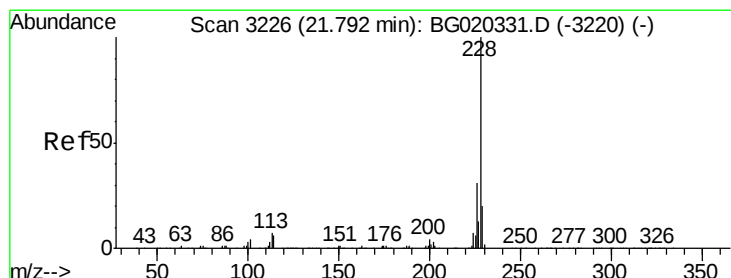
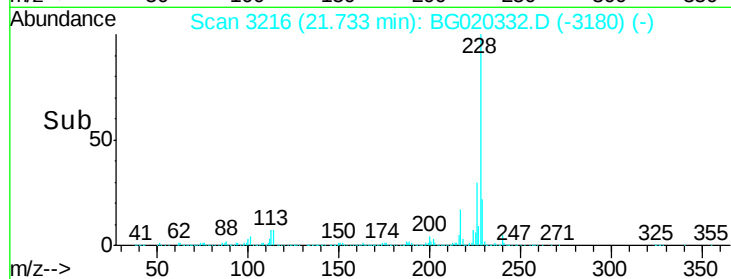
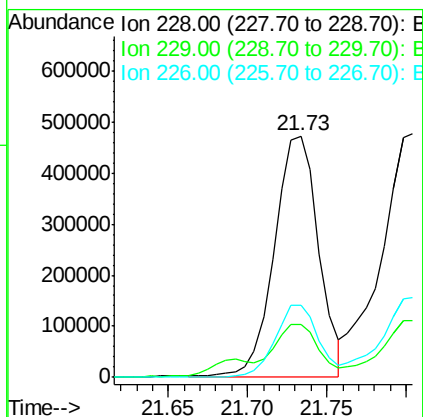
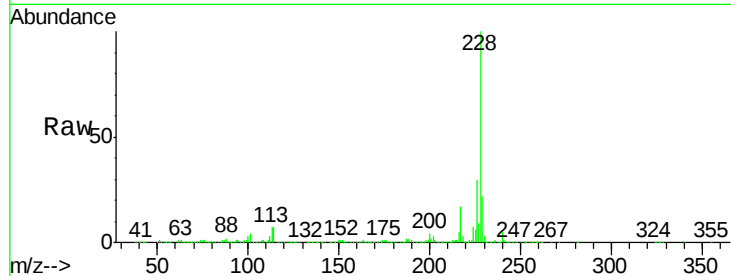




#83
Benzo(a)anthracene
Concen: 86.31 ng/ul
RT: 21.73 min Scan# 3216
Delta R.T. 0.01 min
Lab File: BG020332.D
Acq: 20 Dec 2015 4:51

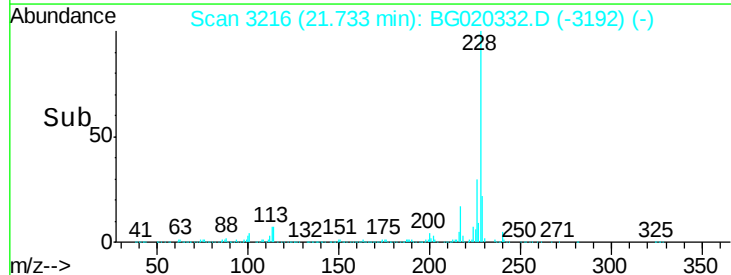
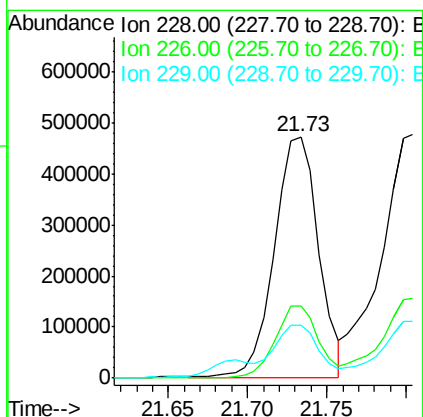
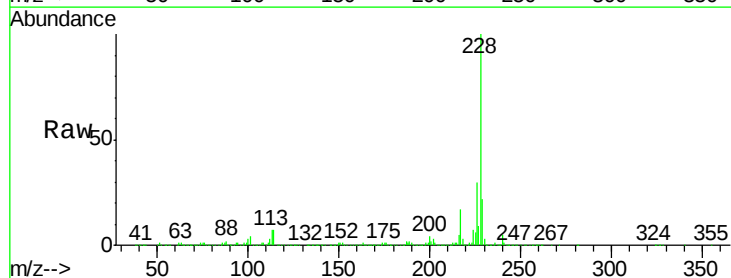
Instrument :
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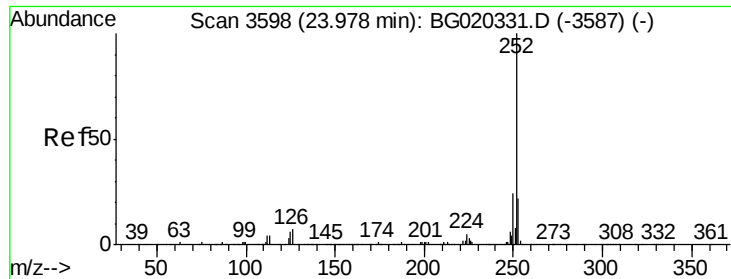
Tgt Ion:228 Resp: 914758
Ion Ratio Lower Upper
228 100
229 21.8 15.8 23.8
226 30.1 21.8 32.6



#85
Chrysene
Concen: 91.59 ng/ul
RT: 21.73 min Scan# 3216
Delta R.T. -0.06 min
Lab File: BG020332.D
Acq: 20 Dec 2015 4:51

Tgt Ion:228 Resp: 914242
Ion Ratio Lower Upper
228 100
226 30.1 23.9 35.9
229 21.8 15.6 23.4

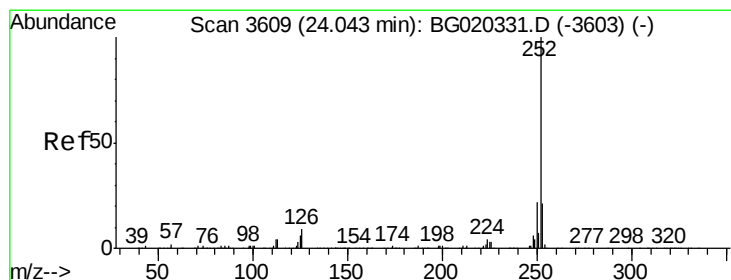
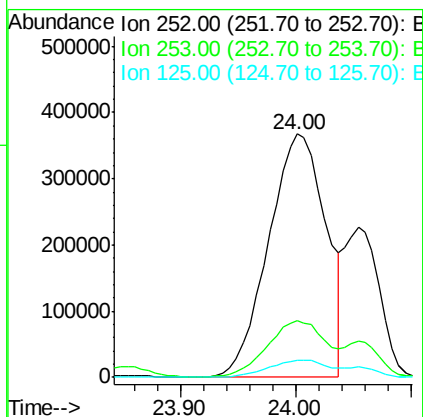
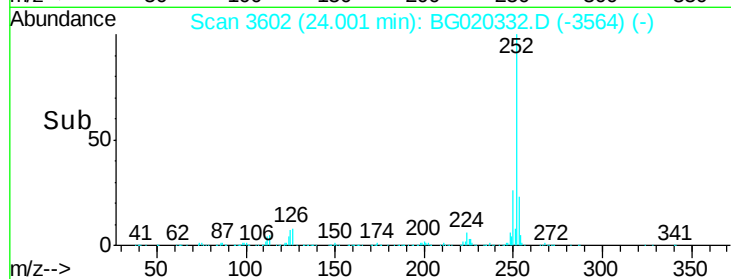
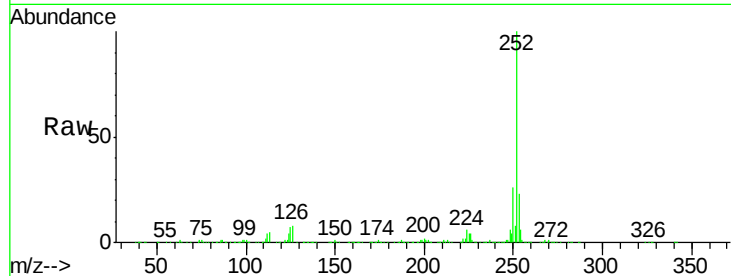




#88
Benzo(b)fluoranthene
Concen: 116.63 ng/u1
RT: 24.00 min Scan# 3602
Delta R.T. 0.02 min
Lab File: BG020332.D
Acq: 20 Dec 2015 4:51

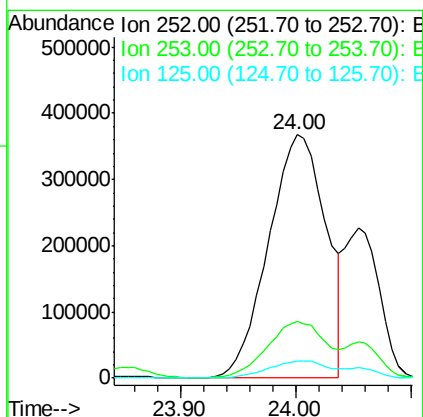
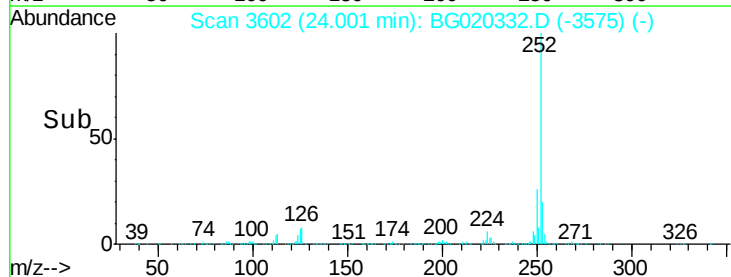
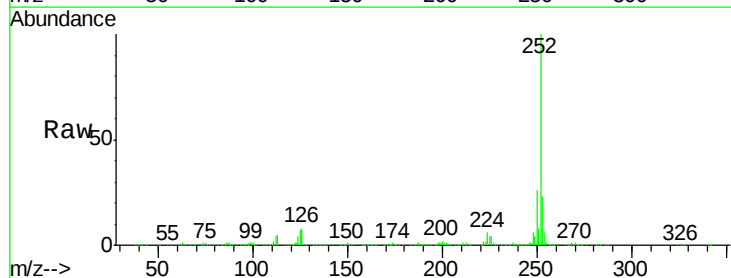
Instrument :
BNA_G
ClientSampleId :
E43M4

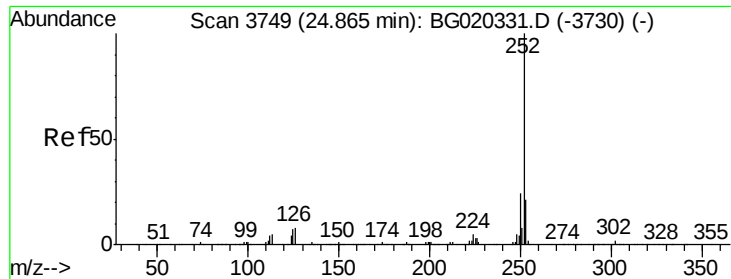
Tgt Ion:252 Resp: 1266830
Ion Ratio Lower Upper
252 100
253 23.3 16.7 25.1
125 7.0 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 121.54 ng/u1
RT: 24.00 min Scan# 3602
Delta R.T. -0.04 min
Lab File: BG020332.D
Acq: 20 Dec 2015 4:51

Tgt Ion:252 Resp: 1266830
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 7.0 5.8 8.6





#91

Benzo(a)pyrene

Concen: 89.94 ng/ul

RT: 24.89 min Scan# 3753

Delta R.T. 0.02 min

Lab File: BG020332.D

Acq: 20 Dec 2015 4:51

Instrument :

BNA_G

ClientSampleId :

E43M4

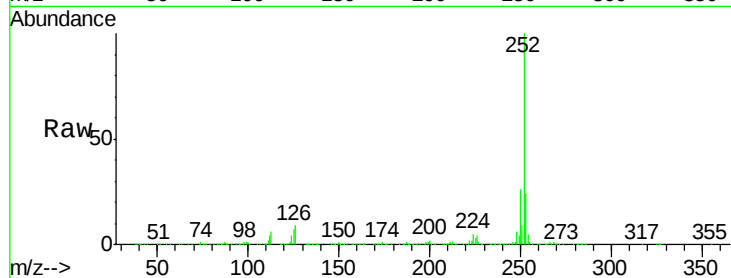
Tgt Ion:252 Resp: 926073

Ion Ratio Lower Upper

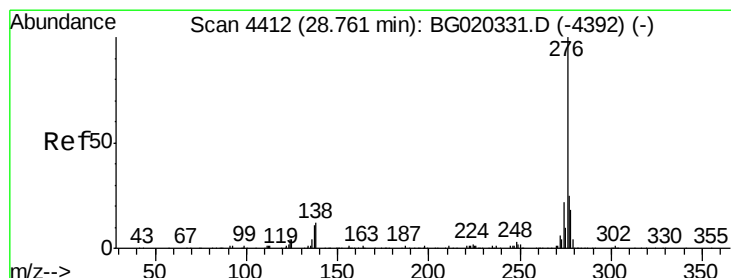
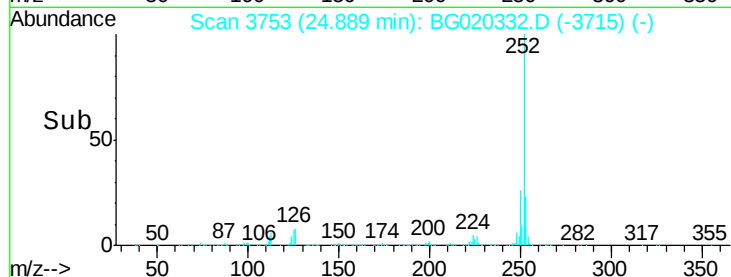
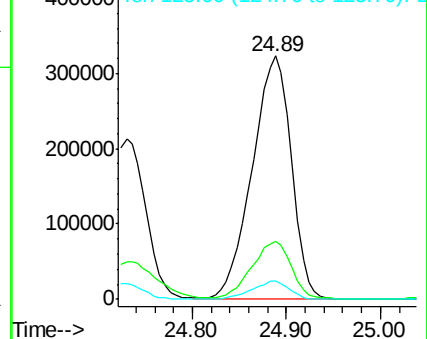
252 100

253 23.8 17.0 25.4

125 7.4 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: 52.02 ng/ul

RT: 28.78 min Scan# 4416

Delta R.T. 0.02 min

Lab File: BG020332.D

Acq: 20 Dec 2015 4:51

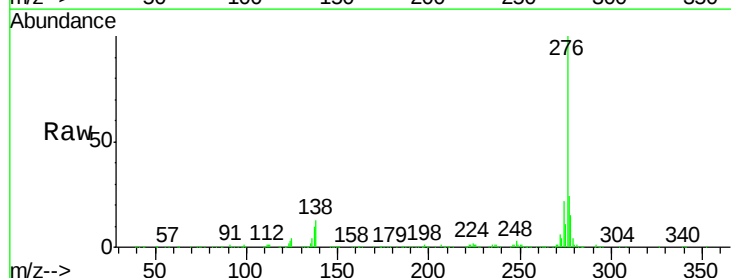
Tgt Ion:276 Resp: 637892

Ion Ratio Lower Upper

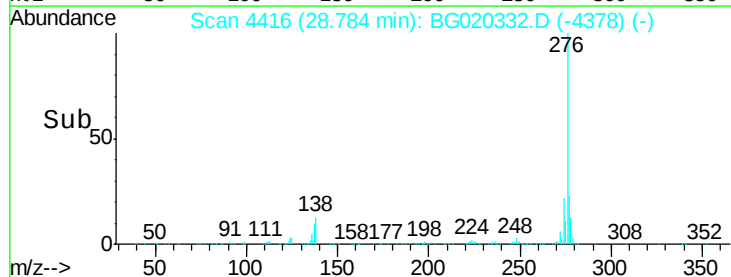
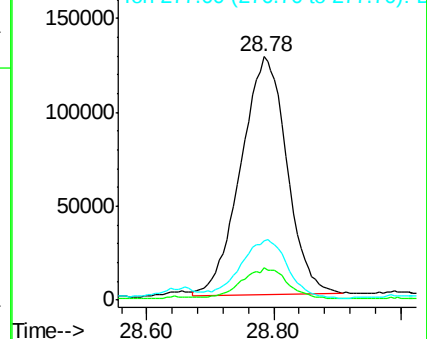
276 100

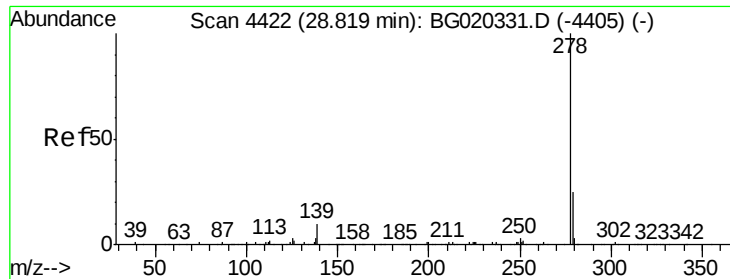
138 13.1 11.4 17.0

277 24.1 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

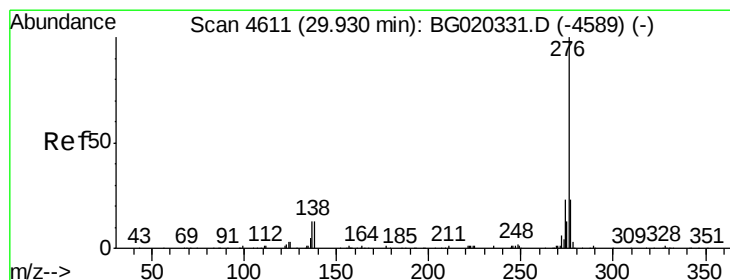
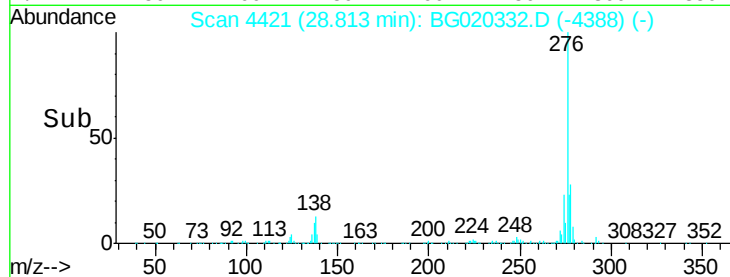
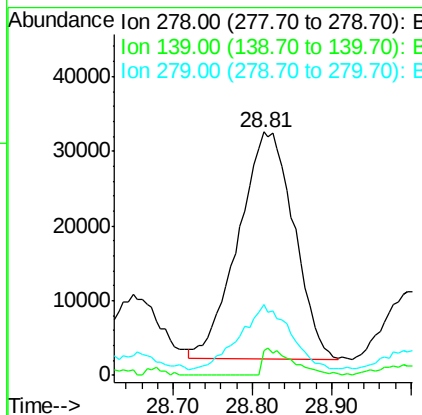
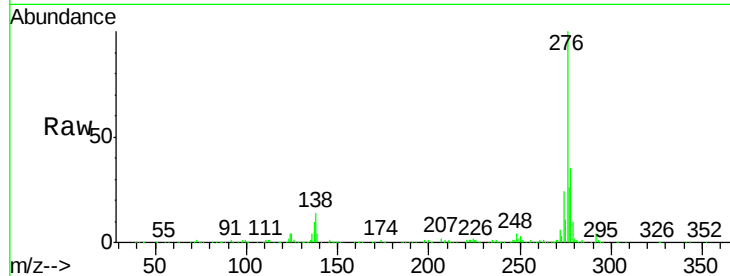




#93
Dibenzo(a,h)anthracene
Concen: 14.44 ng/ul
RT: 28.81 min Scan# 4421
Delta R.T. -0.01 min
Lab File: BG020332.D
Acq: 20 Dec 2015 4:51

Instrument :
BNA_G
ClientSampleId :
E43M4

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.2	9.4	14.2
279	29.3	19.4	29.0#



#94
Benzo(g,h,i)perylene
Concen: 56.77 ng/ul
RT: 29.96 min Scan# 4617
Delta R.T. 0.04 min
Lab File: BG020332.D
Acq: 20 Dec 2015 4:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.2	10.8	16.2
277	22.6	19.9	29.9

