

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
 Data File : BG020459.D
 Acq On : 24 Dec 2015 1:23
 Operator : UM/SJ
 Sample : G4866-12DL 5X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E43M4DL

Quant Time: Dec 24 02:53:50 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 02:43:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	20801	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	91075	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	64309	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	153001	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	185812	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	178276	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	136	0.36	ng/uL	0.00
5) Phenol-d5	7.24	99	5714	3.12	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	4340	3.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	5428	4.07	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	1010	0.64	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	2779	3.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	3114	3.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	5350	3.34	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	1255	0.70	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	24051	4.62	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	28026	4.63	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	1023	1.10	ng/ul	0.00
58) Fluorene-d10	15.71	176	22438	4.76	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	1852	2.04	ng/ul	0.00
71) Anthracene-d10	17.56	188	33714	4.78	ng/ul	0.00
79) Pyrene-d10	19.84	212	39379	4.55	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	43012	4.84	ng/ul	0.00

Target Compounds

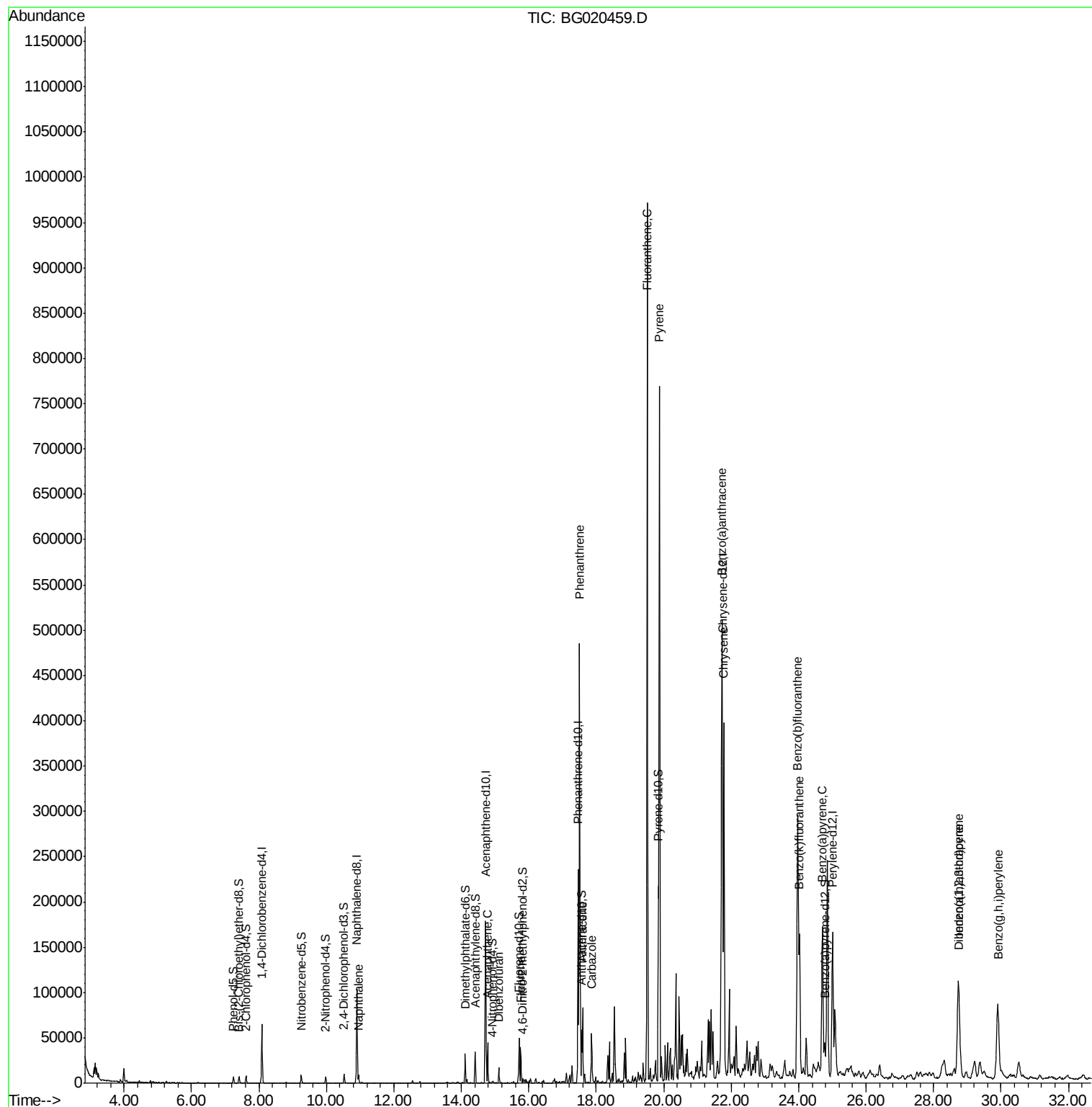
						Qvalue
28) Naphthalene	10.95	128	8158	1.72	ng/ul	96
50) Acenaphthene	14.78	153	19951	4.61	ng/ul	98
54) Dibenzofuran	15.11	168	12897	2.00	ng/ul	94
59) Fluorene	15.76	166	19414	3.76	ng/ul	98
70) Phenanthrene	17.50	178	328436	39.24	ng/ul	99
72) Anthracene	17.60	178	62567	7.37	ng/ul	98
75) Carbazole	17.86	167	35404	4.96	ng/ul	99
77) Fluoranthene	19.51	202	637638	65.19	ng/ul	99
80) Pyrene	19.87	202	538469	47.88	ng/ul	100
83) Benzo(a)anthracene	21.72	228	287420	26.51	ng/ul	98
85) Chrysene	21.79	228	292562	28.65	ng/ul	98
88) Benzo(b)fluoranthene	23.97	252	403984	37.65	ng/ul	95
89) Benzo(k)fluoranthene	24.03	252	128733	12.50	ng/ul	99
91) Benzo(a)pyrene	24.70	252	182404	17.93	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.74	276	201685	16.65	ng/ul	97
93) Dibenzo(a,h)anthracene	28.76	278	20523	2.04	ng/ul#	82
94) Benzo(g,h,i)perylene	29.91	276	182010	18.33	ng/ul	98

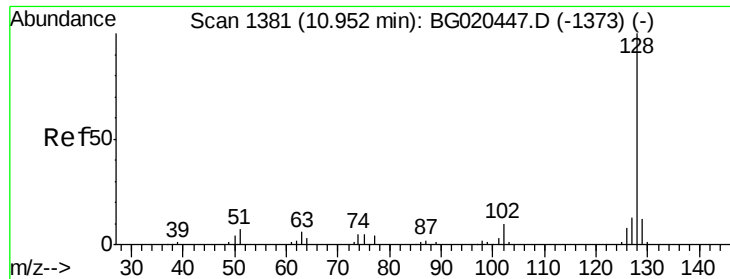
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#28

Naphthalene

Concen: 1.72 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. 0.00 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

Instrument :

BNA_G

ClientSampleId :

E43M4DL

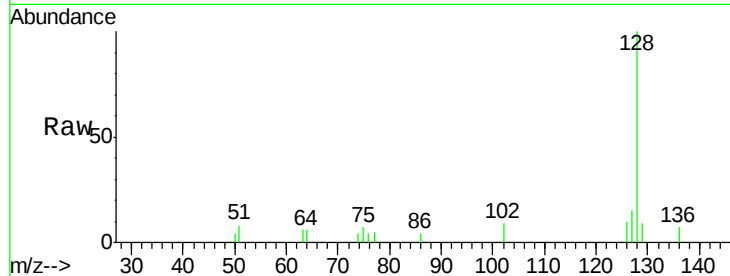
Tgt Ion:128 Resp: 8158

Ion Ratio Lower Upper

128 100

129 9.4 8.6 12.8

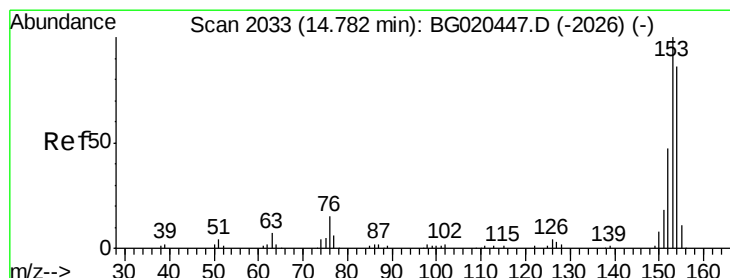
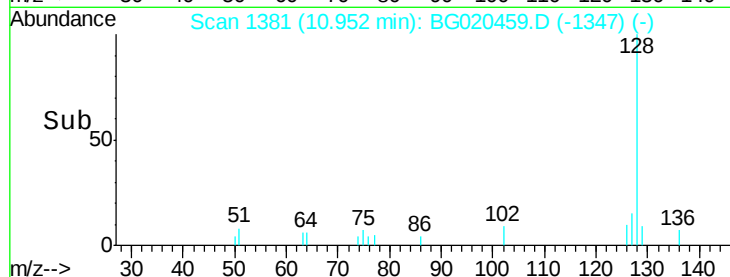
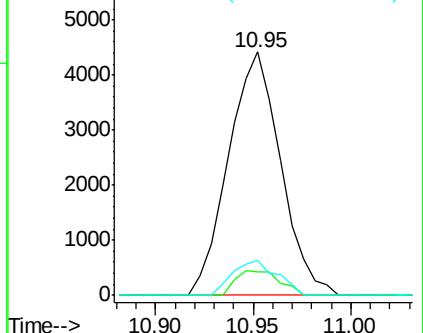
127 14.5 10.1 15.1



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



#50

Acenaphthene

Concen: 4.61 ng/ul

RT: 14.78 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

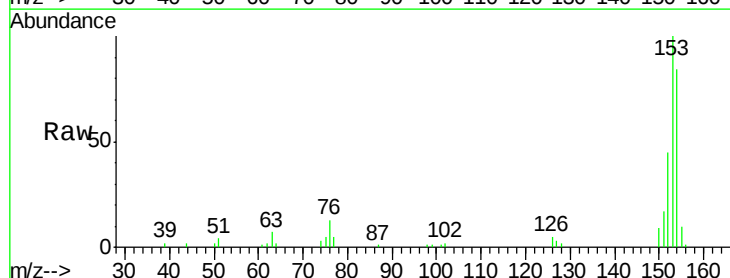
Tgt Ion:153 Resp: 19951

Ion Ratio Lower Upper

153 100

152 44.7 37.6 56.4

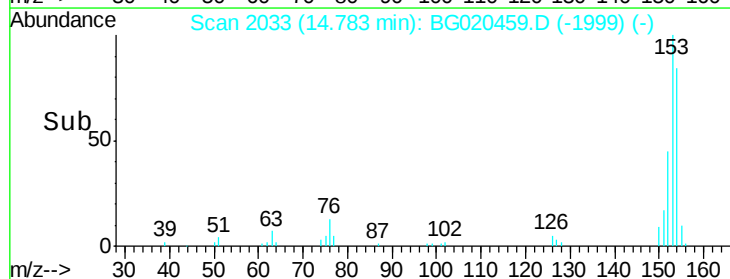
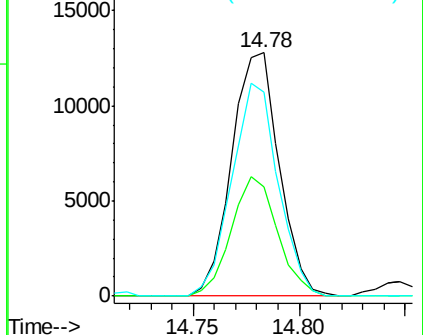
154 83.7 67.9 101.9

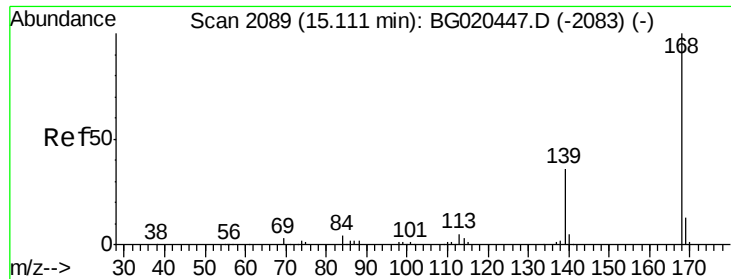


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzo(f,h)quinoxaline

Concen: 2.00 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

Instrument :

BNA_G

ClientSampleId :

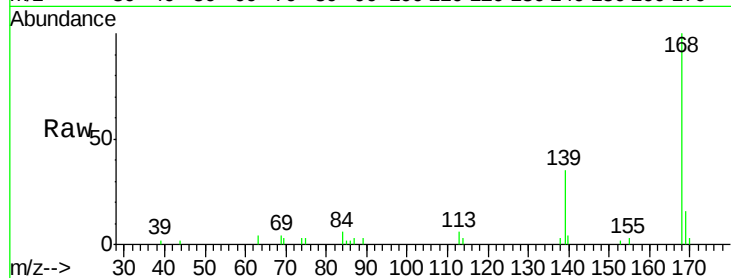
E43M4DL

Tgt Ion:168 Resp: 12897

Ion Ratio Lower Upper

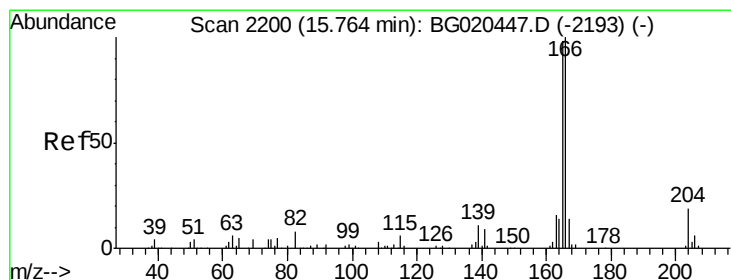
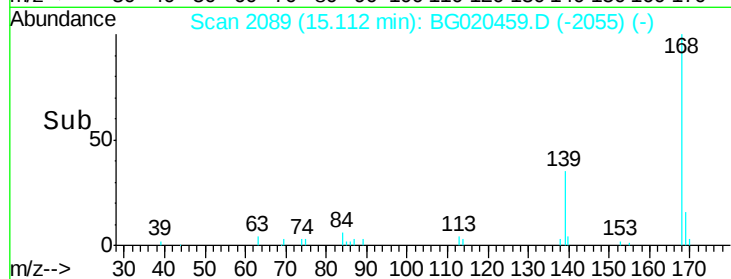
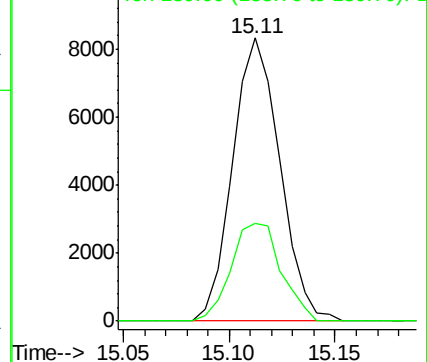
168 100

139 34.7 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: 3.76 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

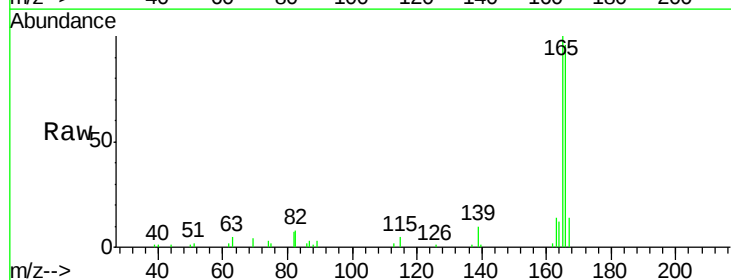
Tgt Ion:166 Resp: 19414

Ion Ratio Lower Upper

166 100

165 104.1 81.4 122.0

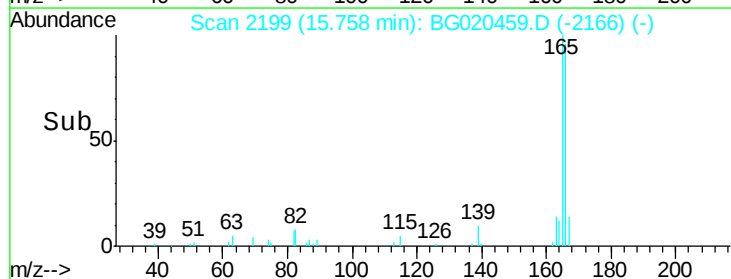
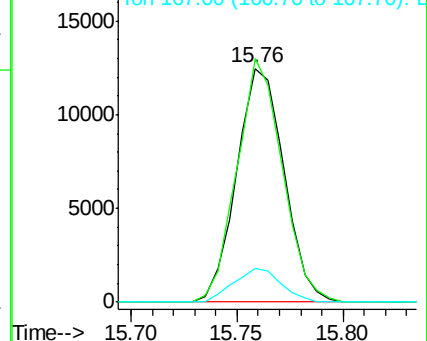
167 14.1 11.2 16.8

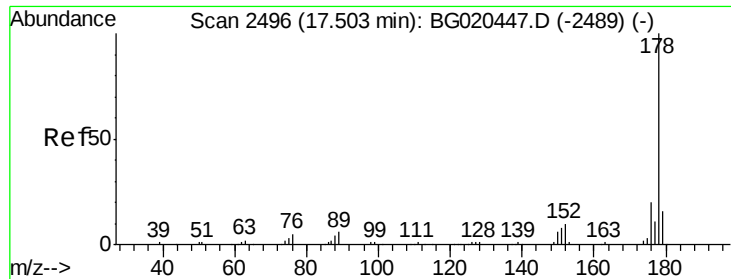


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 39.24 ng/ul

RT: 17.50 min Scan# 2496

Delta R.T. 0.00 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

Instrument :

BNA_G

ClientSampleId :

E43M4DL

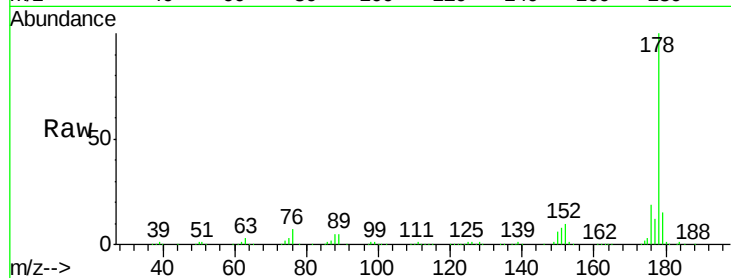
Tgt Ion:178 Resp: 328436

Ion Ratio Lower Upper

178 100

179 15.2 12.9 19.3

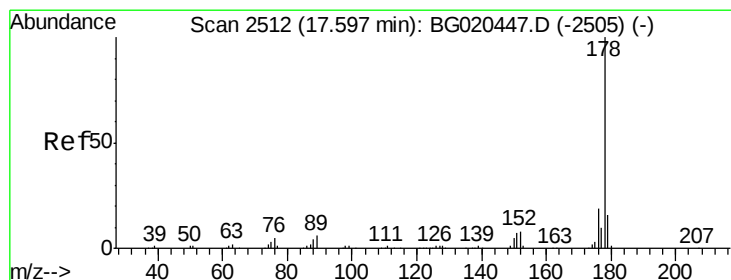
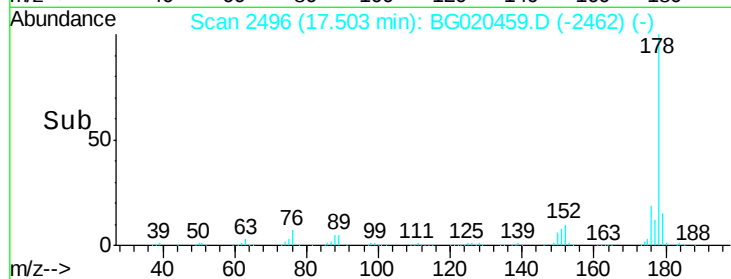
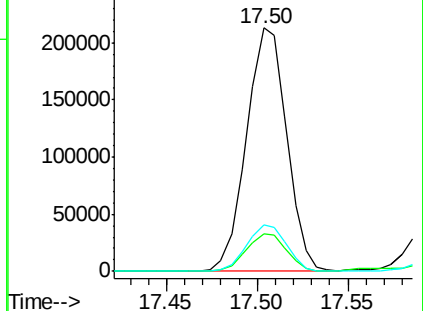
176 19.0 15.3 22.9



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: 7.37 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. 0.00 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

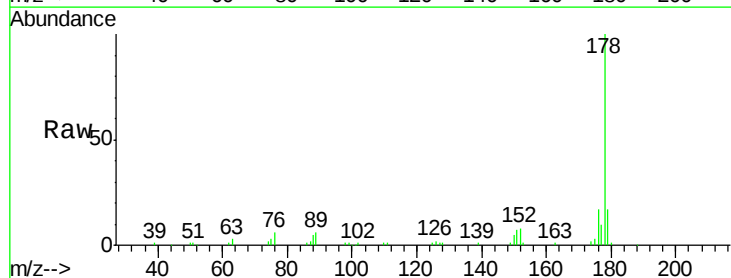
Tgt Ion:178 Resp: 62567

Ion Ratio Lower Upper

178 100

179 16.8 12.3 18.5

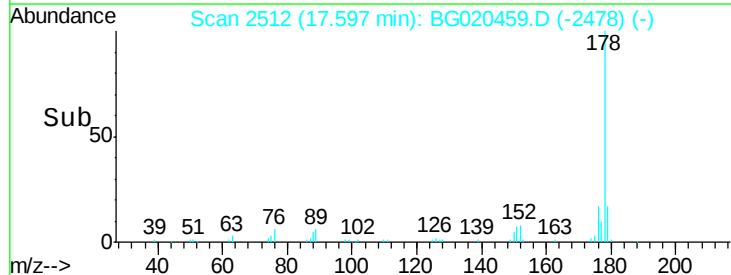
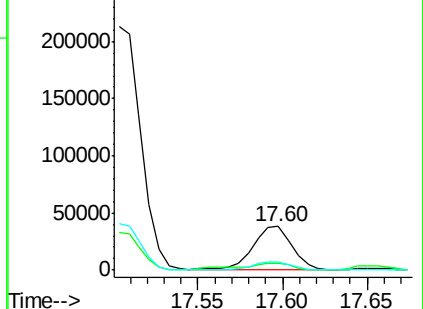
176 17.3 14.3 21.5

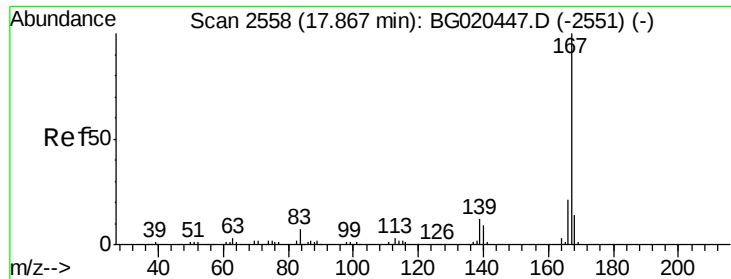


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 4.96 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. -0.01 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

Instrument :

BNA_G

ClientSampleId :

E43M4DL

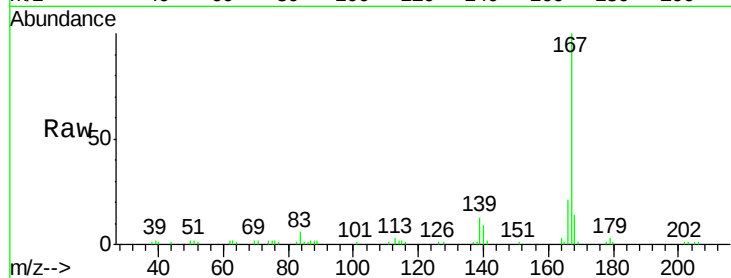
Tgt Ion:167 Resp: 35404

Ion Ratio Lower Upper

167 100

166 21.2 17.0 25.6

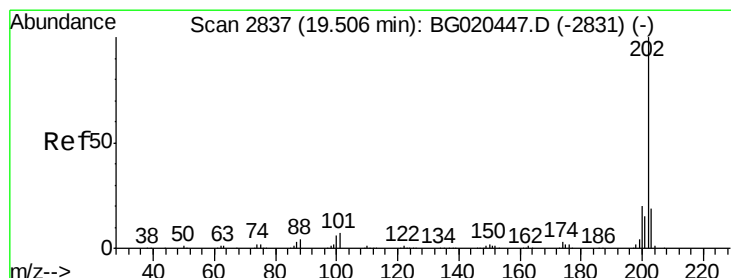
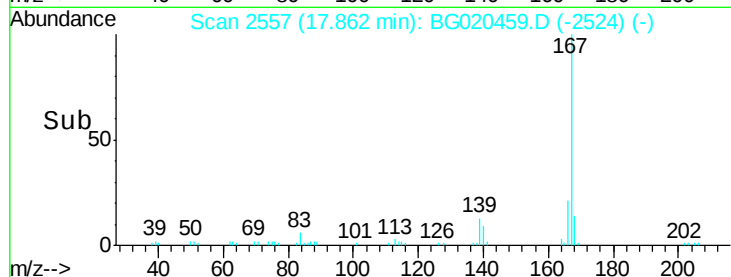
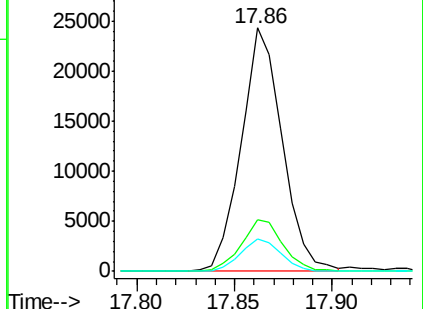
139 13.1 10.1 15.1



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: 65.19 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. 0.01 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

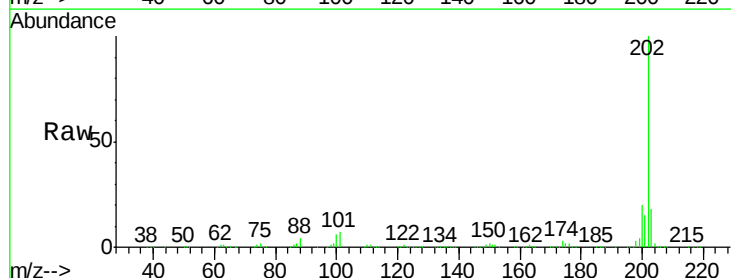
Tgt Ion:202 Resp: 637638

Ion Ratio Lower Upper

202 100

101 7.4 6.2 9.4

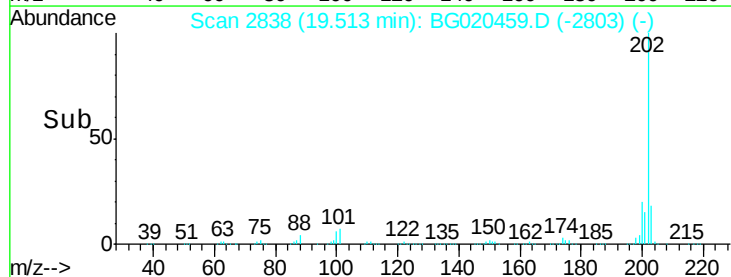
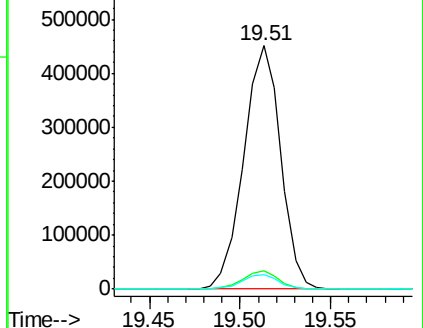
100 6.0 5.1 7.7

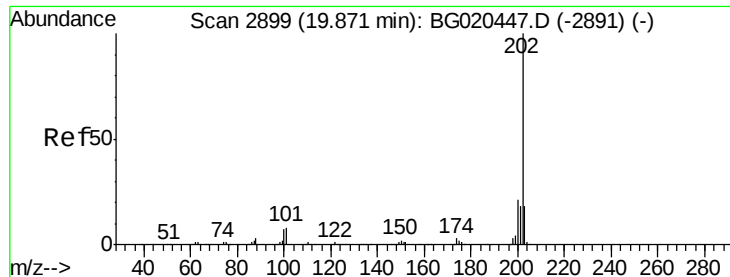


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

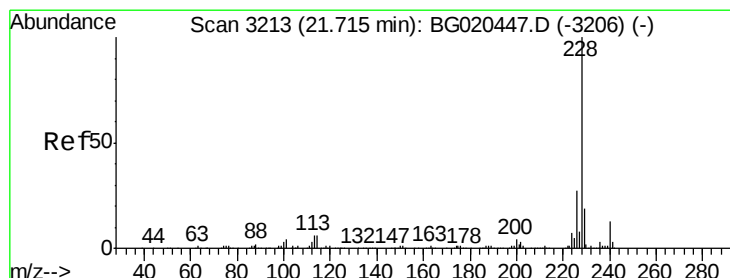
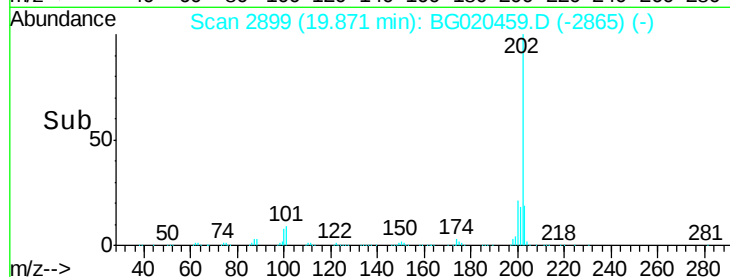
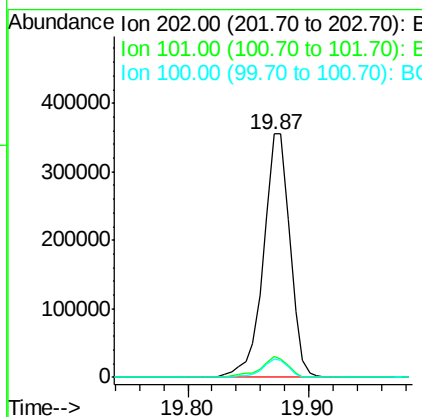
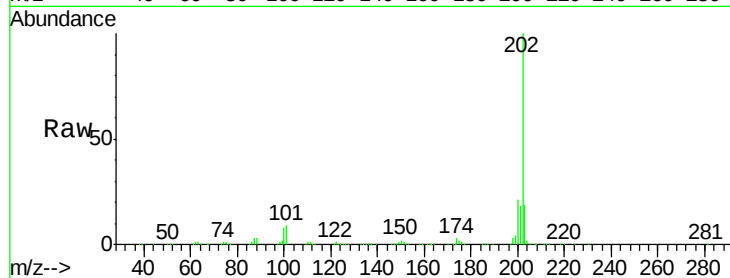




#80
 Pyrene
 Concen: 47.88 ng/ul
 RT: 19.87 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: BG020459.D
 Acq: 24 Dec 2015 1:23

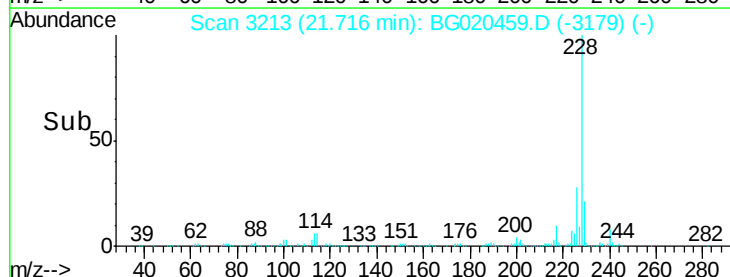
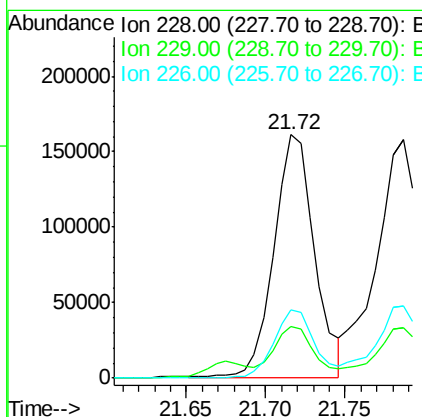
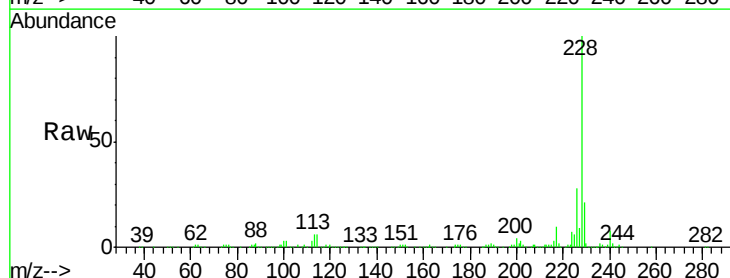
Instrument :
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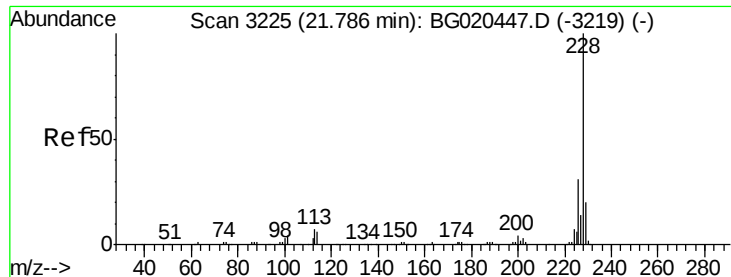
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.0	10.4
100	7.7	6.4	9.6



#83
 Benzo(a)anthracene
 Concen: 26.51 ng/ul
 RT: 21.72 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: BG020459.D
 Acq: 24 Dec 2015 1:23

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.8	23.8
226	27.8	21.8	32.6





#85

Chrysene

Concen: 28.65 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. 0.00 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

Instrument :

BNA_G

ClientSampleId :

E43M4DL

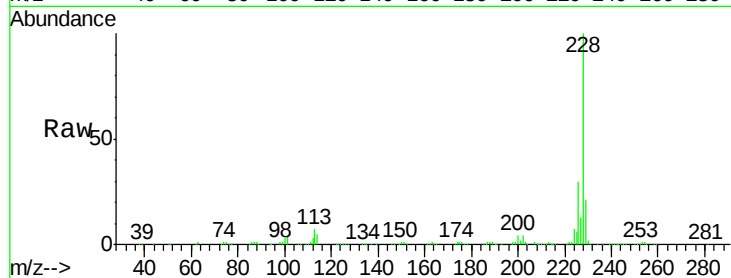
Tgt Ion:228 Resp: 292562

Ion Ratio Lower Upper

228 100

226 30.3 23.9 35.9

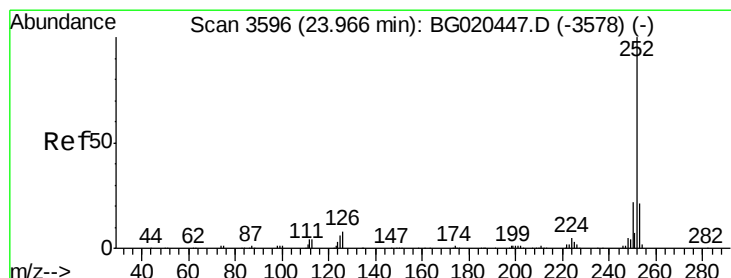
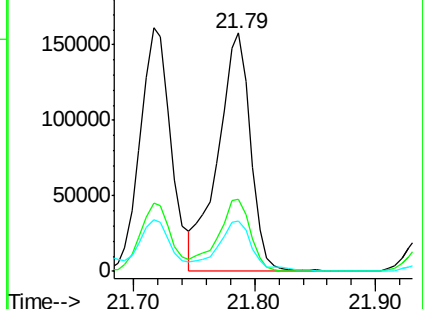
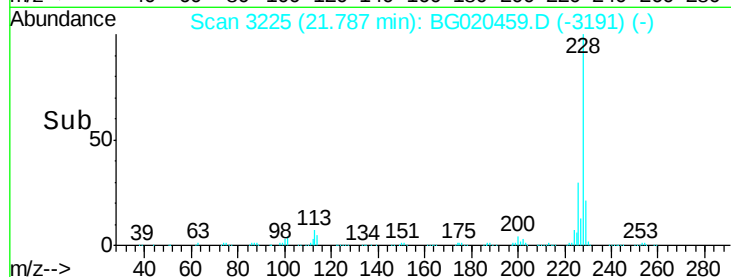
229 21.4 15.6 23.4



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: 37.65 ng/ul

RT: 23.97 min Scan# 3597

Delta R.T. 0.01 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

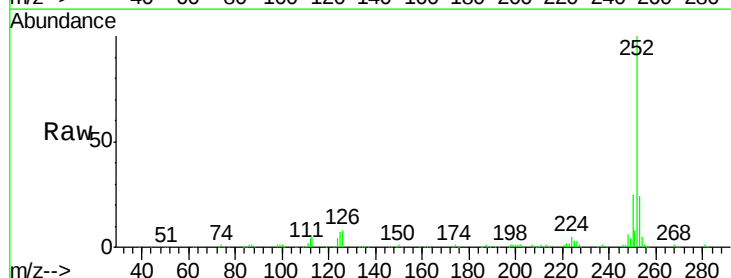
Tgt Ion:252 Resp: 403984

Ion Ratio Lower Upper

252 100

253 23.5 16.7 25.1

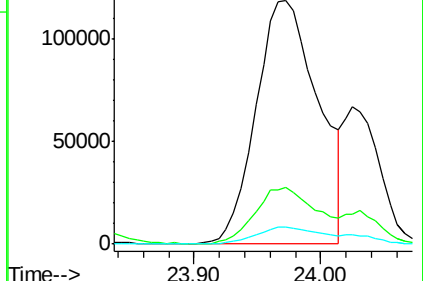
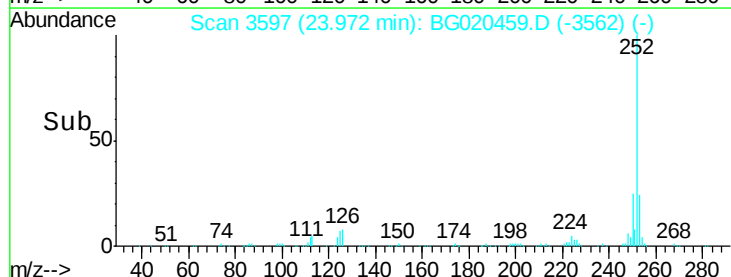
125 7.0 6.2 9.2

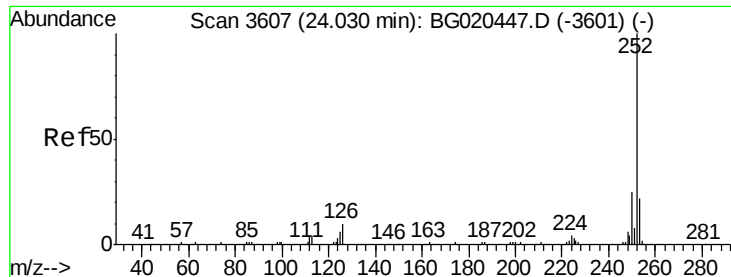


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 12.50 ng/ul

RT: 24.03 min Scan# 3606

Delta R.T. -0.01 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

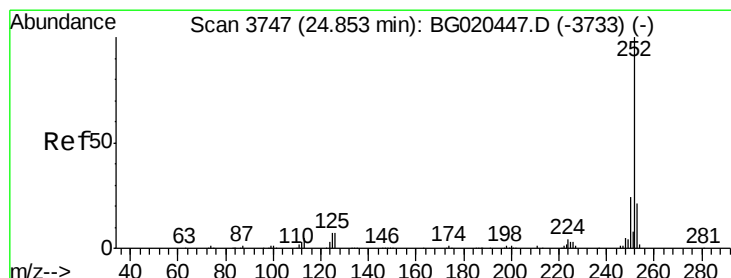
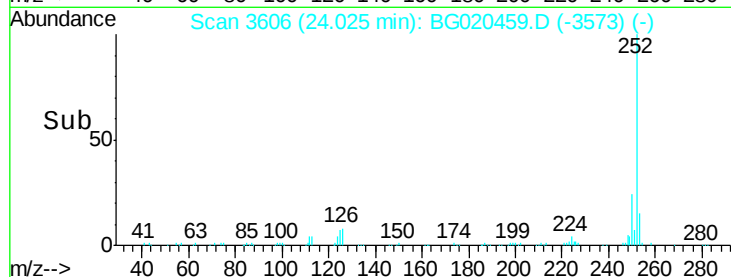
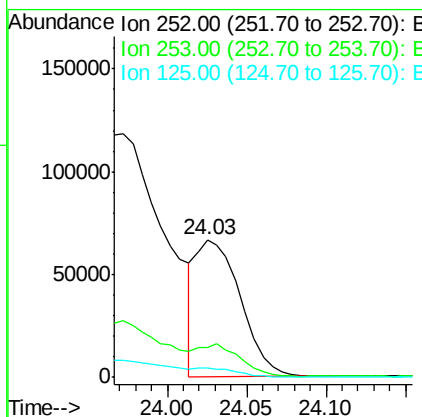
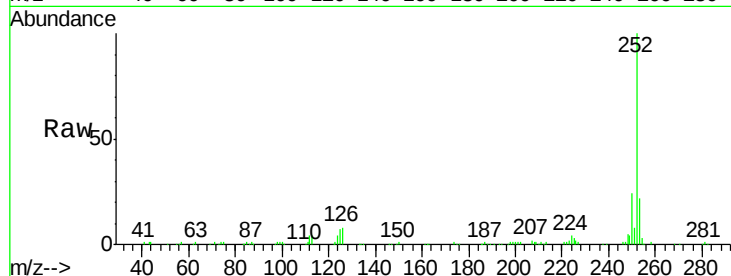
Instrument :

BNA_G

ClientSampled :

E43M4DL

Tgt Ion:	252	Resp:	128733
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.9	26.9
125	6.5	5.8	8.6



#91

Benzo(a)pyrene

Concen: 17.93 ng/ul

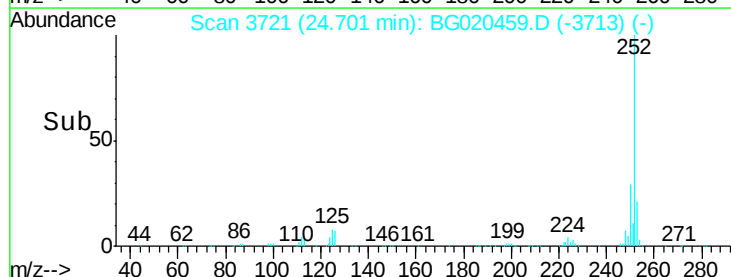
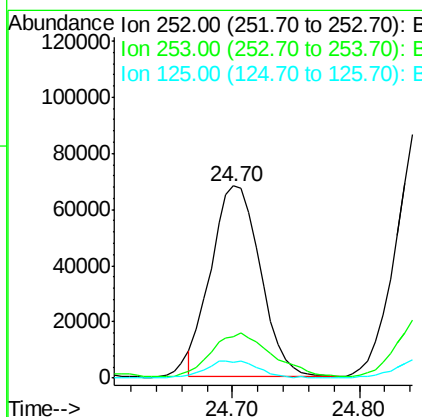
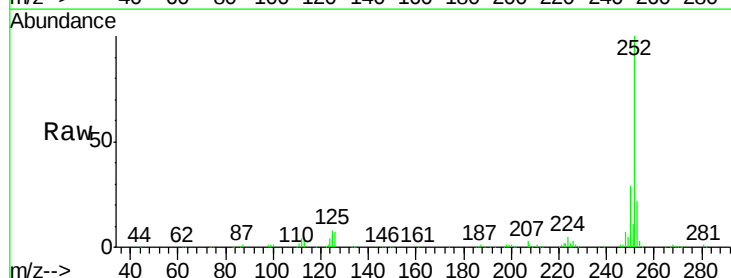
RT: 24.70 min Scan# 3721

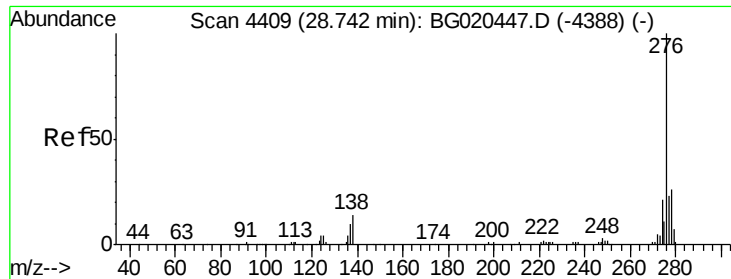
Delta R.T. -0.15 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

Tgt Ion:	252	Resp:	182404
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.0	25.4
125	8.2	6.2	9.4





#92

Indeno(1,2,3-cd)pyrene

Concen: 16.65 ng/ul

RT: 28.74 min Scan# 4408

Delta R.T. -0.01 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

Instrument :

BNA_G

ClientSampleId :

E43M4DL

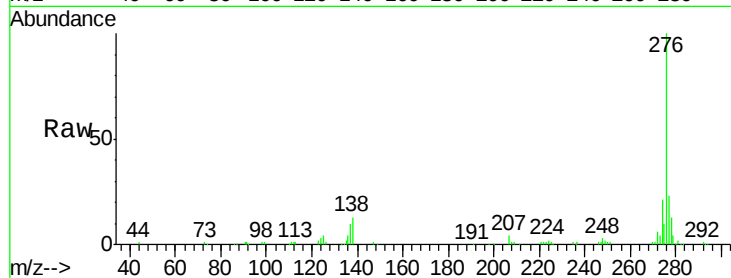
Tgt Ion:276 Resp: 201685

Ion Ratio Lower Upper

276 100

138 13.3 11.4 17.0

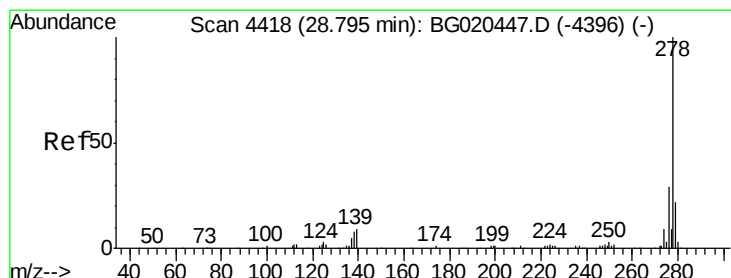
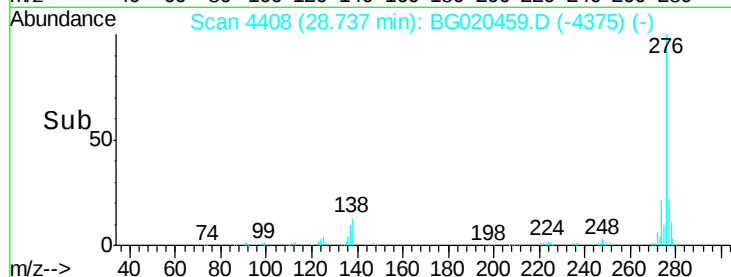
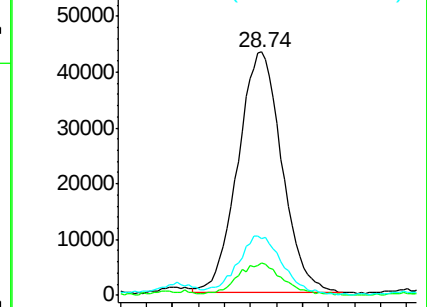
277 23.1 17.4 26.0



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: 2.04 ng/ul

RT: 28.76 min Scan# 4412

Delta R.T. -0.03 min

Lab File: BG020459.D

Acq: 24 Dec 2015 1:23

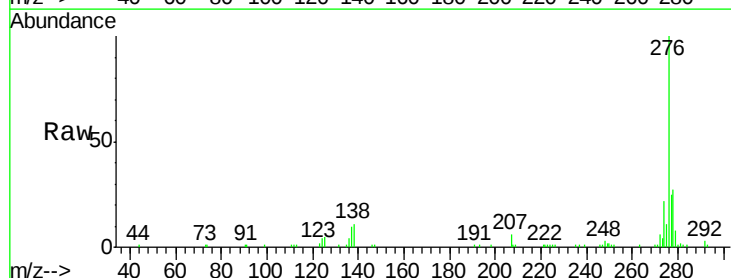
Tgt Ion:278 Resp: 20523

Ion Ratio Lower Upper

278 100

139 0.0 9.4 14.2#

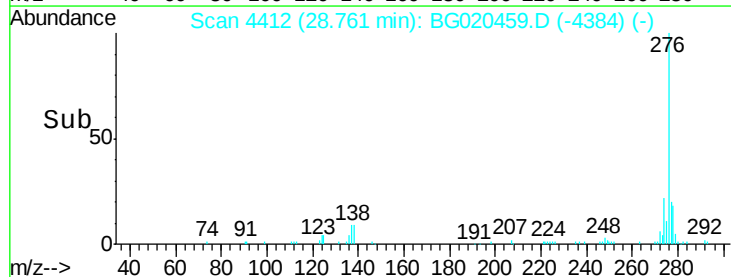
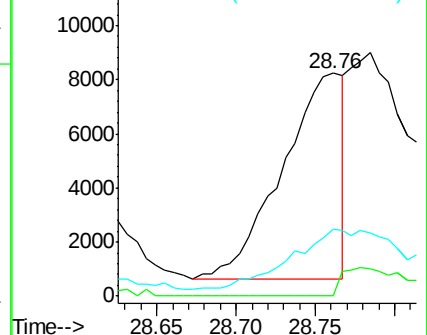
279 30.1 19.4 29.0#

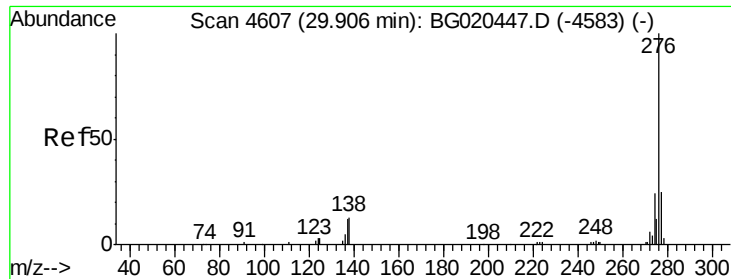


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 18.33 ng/ul

RT: 29.91 min Scan# 4607

Delta R.T. 0.00 min

Lab File: BG020459.D

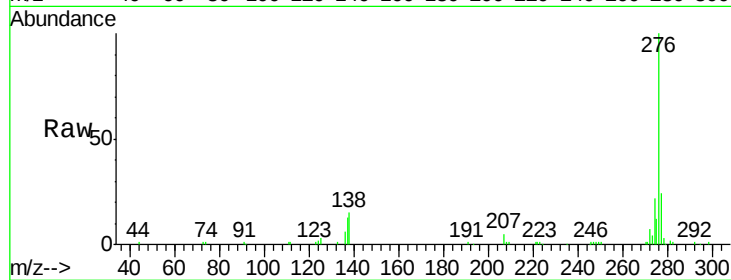
Acq: 24 Dec 2015 1:23

Instrument :

BNA_G

ClientSampleId :

E43M4DL



Tgt Ion: 276 Resp: 182010

Ion Ratio Lower Upper

276 100

138 14.5 10.8 16.2

277 24.4 19.9 29.9

