

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
 Data File : BG020751.D
 Acq On : 15 Jan 2016 14:04
 Operator : SJ/IZ
 Sample : H1101-13 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC9F4

Quant Time: Jan 15 22:18:30 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 15 22:12:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	18639	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	80050	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	56598	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	138054	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	160392	20.00	ng/ul	0.00
86) Perylene-d12	24.95	264	155176	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	7.21	99	1845	1.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	1074	1.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	1712	1.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	1448	1.07	ng/ul	0.00
19) Nitrobenzene-d5	9.21	128	472	0.75	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	970	1.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	1575	1.13	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	401	0.29	ng/ul	0.02
44) Dimethylphthalate-d6	14.08	166	7346	1.49	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	8584	1.55	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.67	176	7499	1.70	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	372	0.50	ng/ul	0.00
71) Anthracene-d10	17.43	188	138054	20.40	ng/ul	-0.10
79) Pyrene-d10	19.81	212	13213	1.73	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	13625	1.65	ng/ul	0.00

Target Compounds

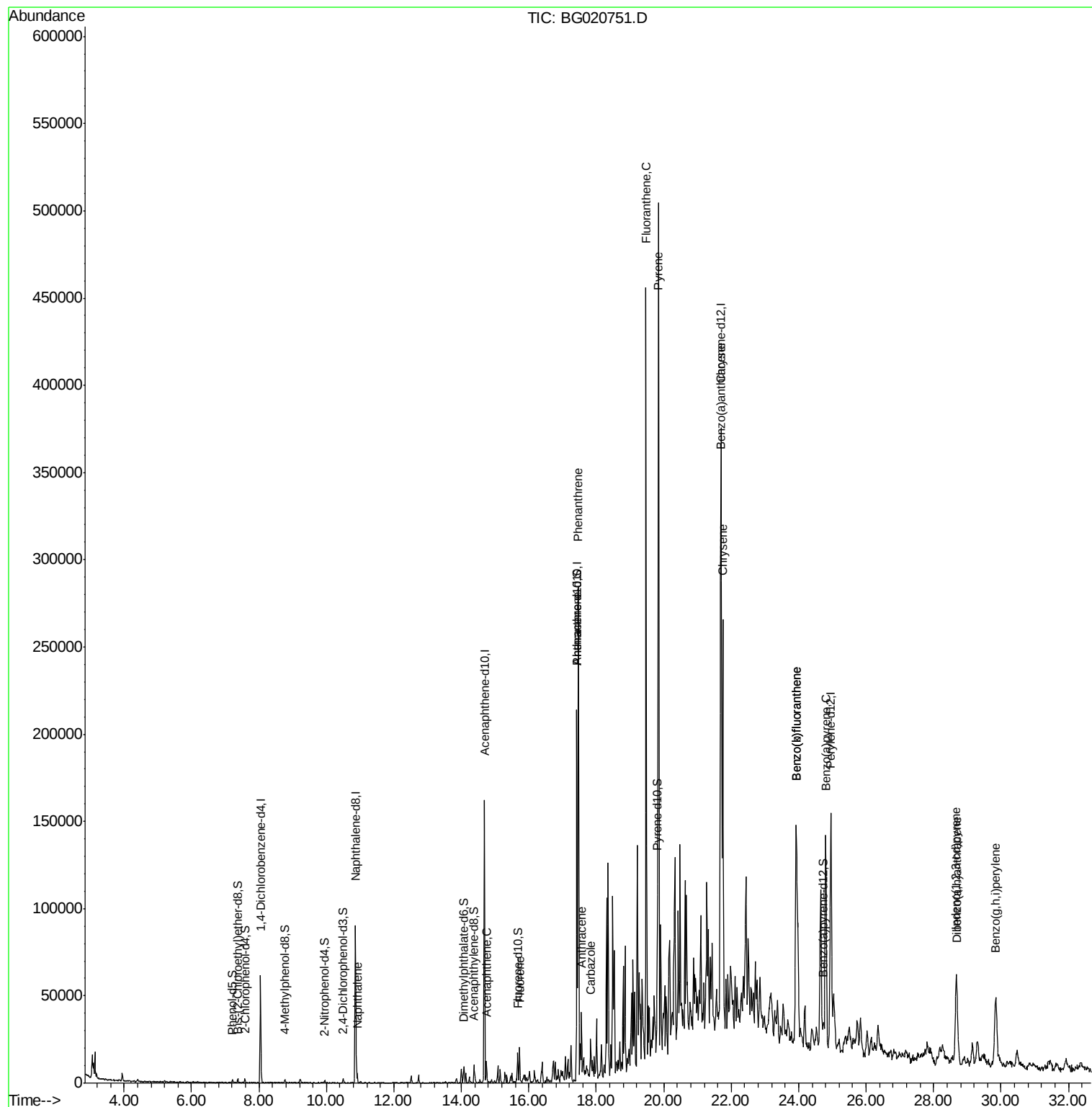
						Qvalue
28) Naphthalene	10.91	128	4893	1.08	ng/ul#	94
50) Acenaphthene	14.74	153	5642	1.40	ng/ul	94
59) Fluorene	15.73	166	9068	1.83	ng/ul#	90
70) Phenanthrene	17.47	178	187966	22.88	ng/ul	99
72) Anthracene	17.56	178	26011	3.14	ng/ul	96
75) Carbazole	17.83	167	13437	1.98	ng/ul	99
77) Fluoranthene	19.48	202	290466	29.09	ng/ul	99
80) Pyrene	19.84	202	318201	31.29	ng/ul	99
83) Benzo(a)anthracene	21.68	228	157947	15.78	ng/ul	97
85) Chrysene	21.75	228	171310	18.11	ng/ul	97
88) Benzo(b)fluoranthene	23.93	252	172792	17.29	ng/ul	98
89) Benzo(k)fluoranthene	23.93	252	172792	17.51	ng/ul	98
91) Benzo(a)pyrene	24.80	252	136829	14.22	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.67	276	81181	7.15	ng/ul#	97
93) Dibenzo(a,h)anthracene	28.70	278	13148	1.41	ng/ul#	85
94) Benzo(g,h,i)perylene	29.85	276	81698	8.73	ng/ul	99

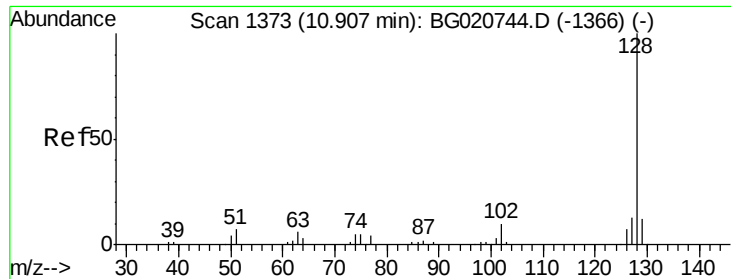
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 15 22:12:27 2016
Response via : Initial Calibration

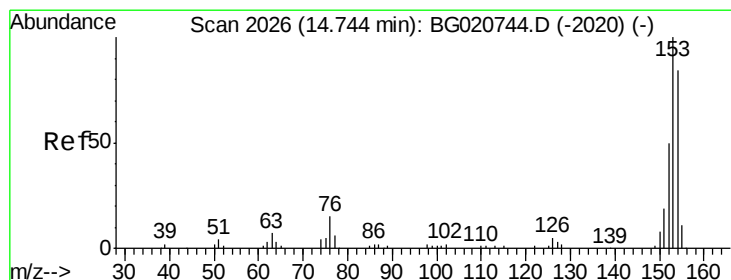
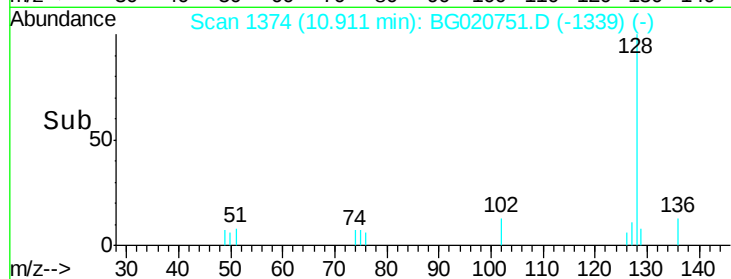
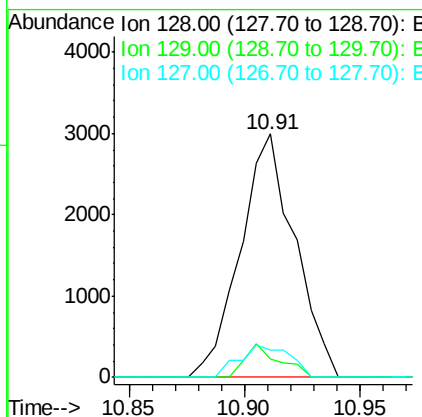
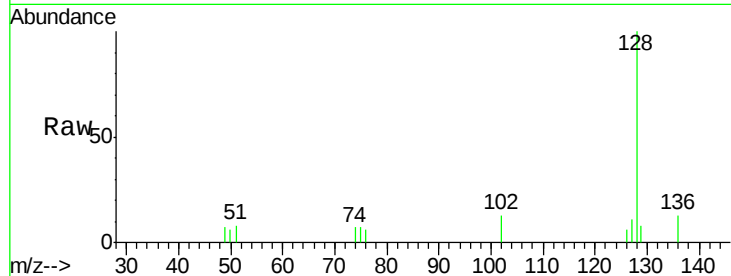




#28
Naphthalene
Concen: 1.08 ng/ul
RT: 10.91 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BG020751.D
Acq: 15 Jan 2016 14:04

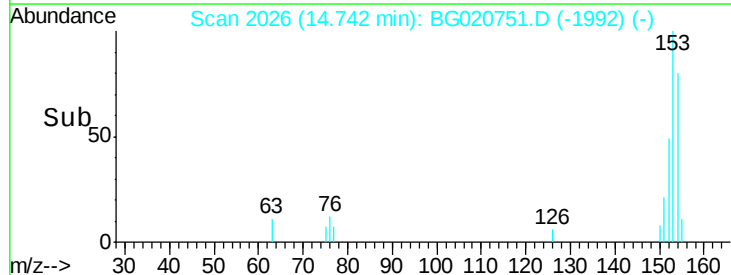
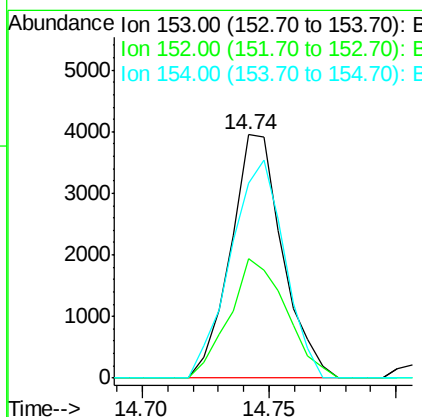
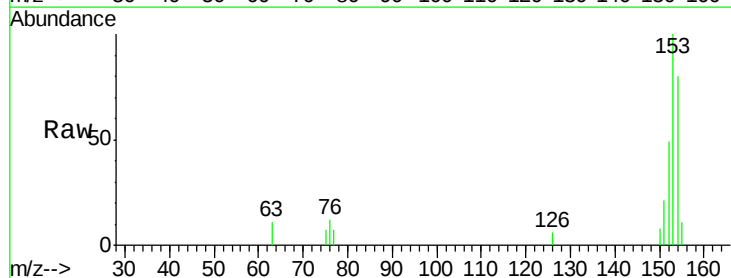
Instrument :
BNA_G
ClientSampleId :
BC9F4

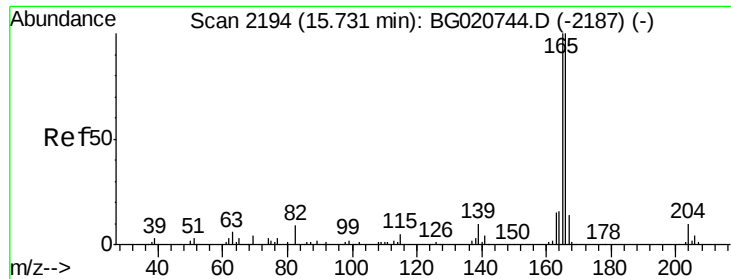
Tgt Ion:128 Resp: 4893
Ion Ratio Lower Upper
128 100
129 7.7 8.3 12.5#
127 11.4 10.8 16.2



#50
Acenaphthene
Concen: 1.40 ng/ul
RT: 14.74 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BG020751.D
Acq: 15 Jan 2016 14:04

Tgt Ion:153 Resp: 5642
Ion Ratio Lower Upper
153 100
152 48.9 37.9 56.9
154 80.0 69.8 104.6

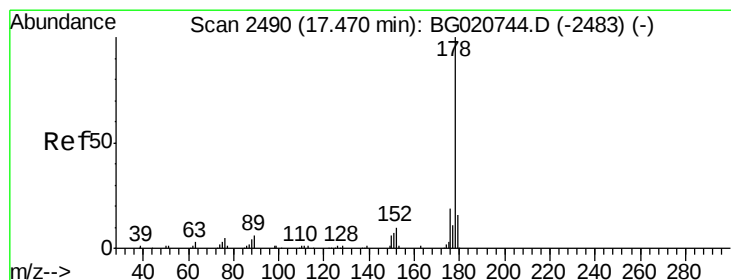
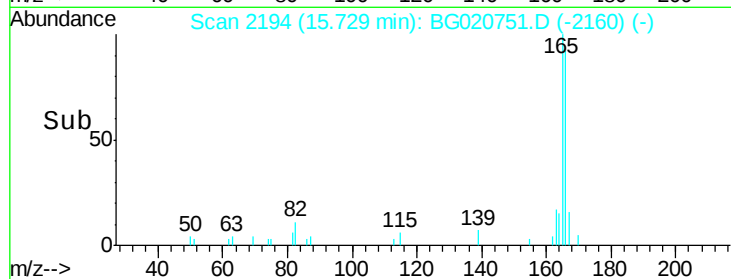
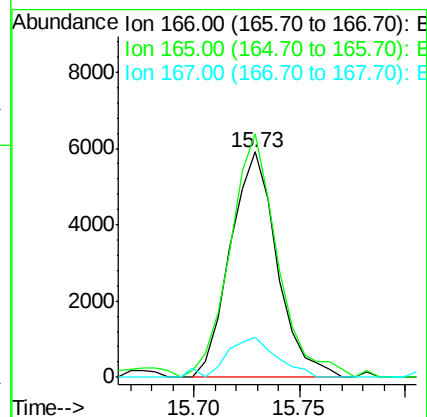
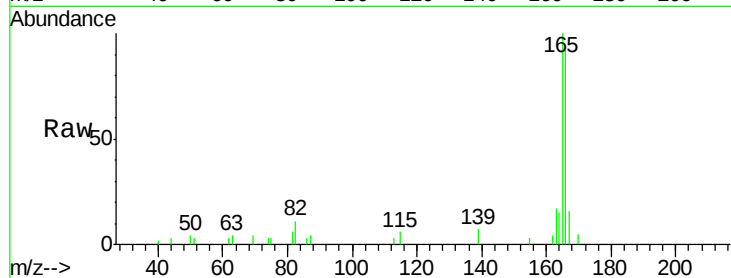




#59
 Fluorene
 Concen: 1.83 ng/ul
 RT: 15.73 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BG020751.D
 Acq: 15 Jan 2016 14:04

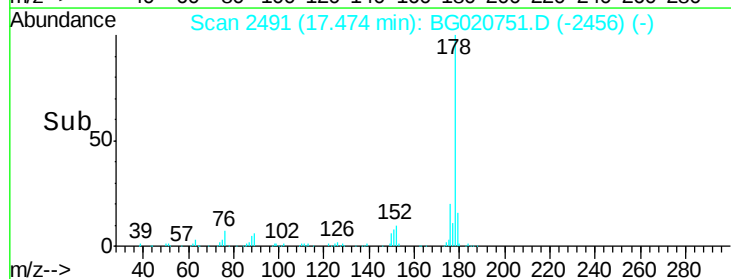
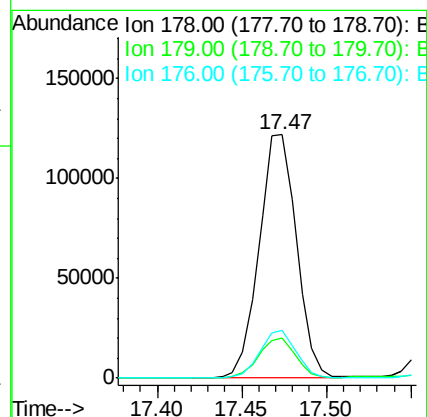
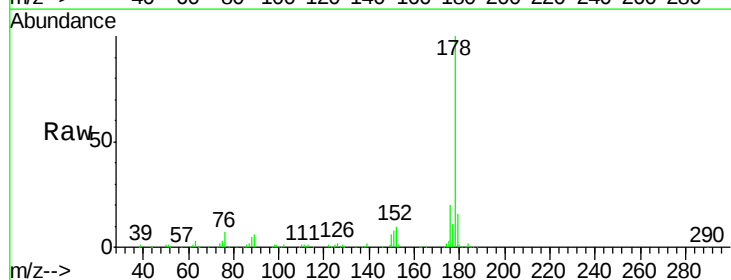
Instrument :
 BNA_G
 ClientSampleId :
 BC9F4

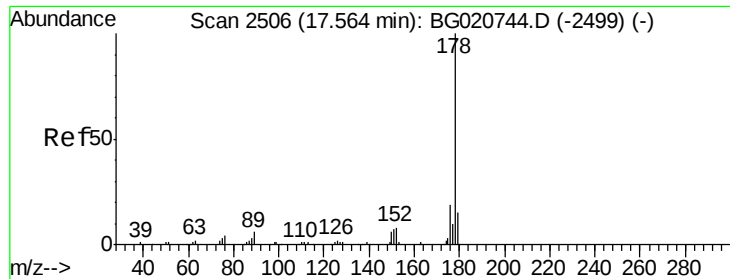
Tgt Ion:166 Resp: 9068
 Ion Ratio Lower Upper
 166 100
 165 108.2 78.4 117.6
 167 17.7 11.1 16.7#



#70
 Phenanthrene
 Concen: 22.88 ng/ul
 RT: 17.47 min Scan# 2491
 Delta R.T. 0.00 min
 Lab File: BG020751.D
 Acq: 15 Jan 2016 14:04

Tgt Ion:178 Resp: 187966
 Ion Ratio Lower Upper
 178 100
 179 16.2 12.3 18.5
 176 19.6 15.4 23.0





#72

Anthracene

Concen: 3.14 ng/ul

RT: 17.56 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BG020751.D

Acq: 15 Jan 2016 14:04

Instrument :

BNA_G

ClientSampleId :

BC9F4

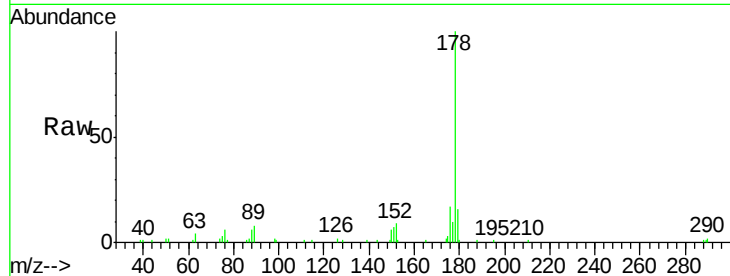
Tgt Ion:178 Resp: 26011

Ion Ratio Lower Upper

178 100

179 15.9 13.4 20.2

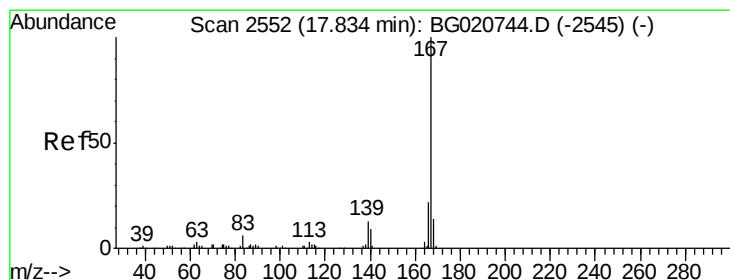
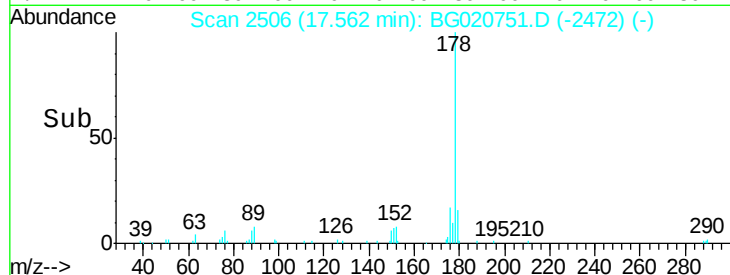
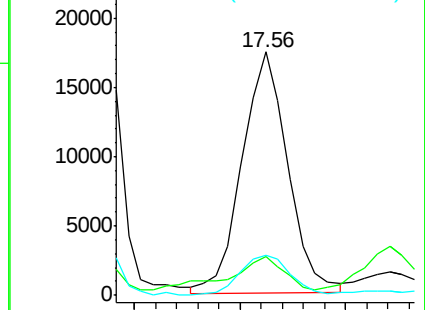
176 16.6 15.4 23.0



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: 1.98 ng/ul

RT: 17.83 min Scan# 2552

Delta R.T. -0.00 min

Lab File: BG020751.D

Acq: 15 Jan 2016 14:04

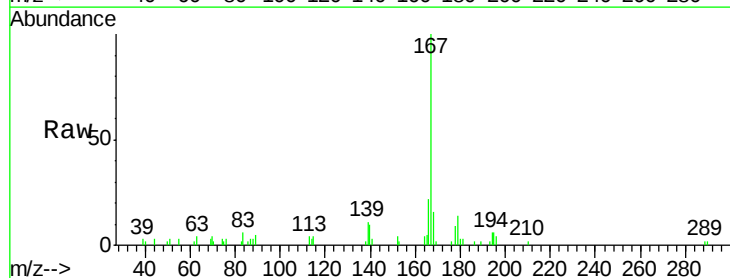
Tgt Ion:167 Resp: 13437

Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.4

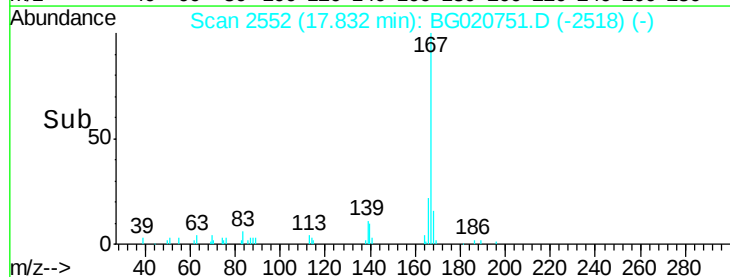
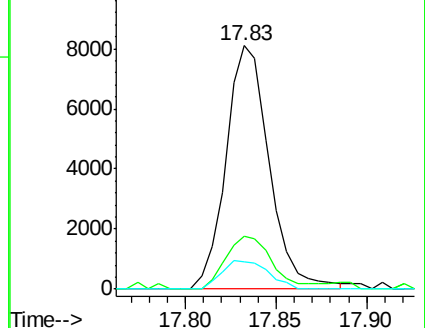
139 11.5 9.1 13.7

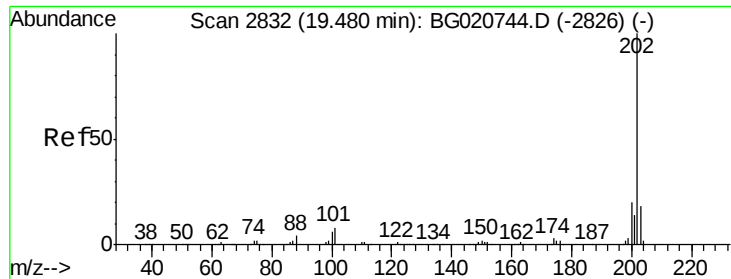


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

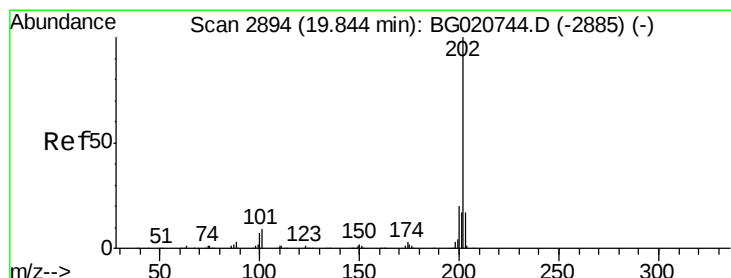
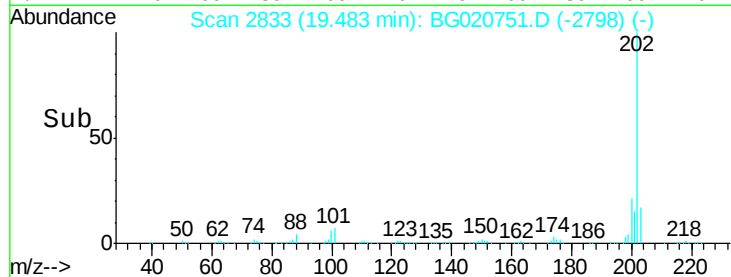
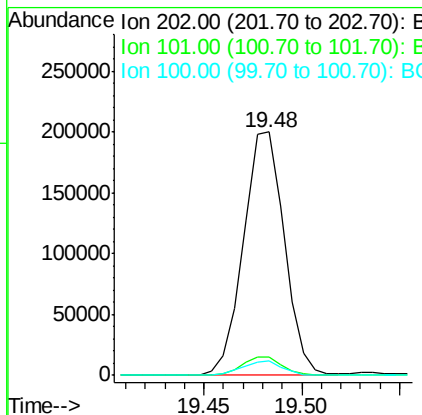
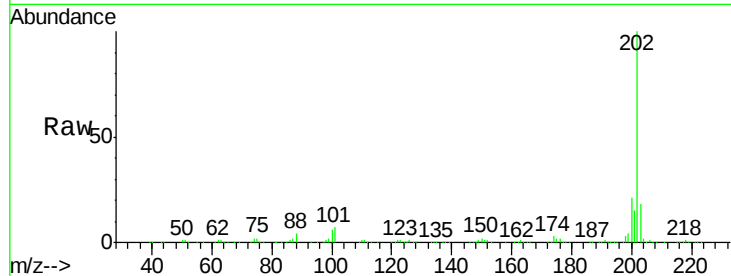




#77
 Fluoranthene
 Concen: 29.09 ng/ul
 RT: 19.48 min Scan# 2833
 Delta R.T. 0.00 min
 Lab File: BG020751.D
 Acq: 15 Jan 2016 14:04

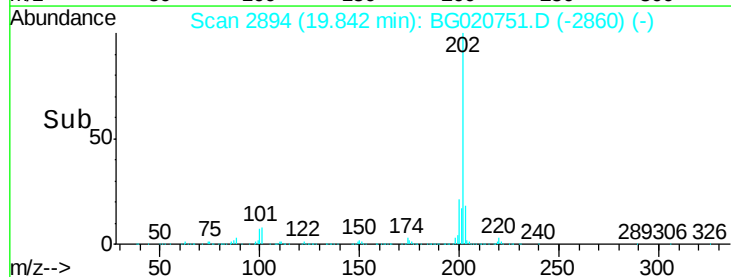
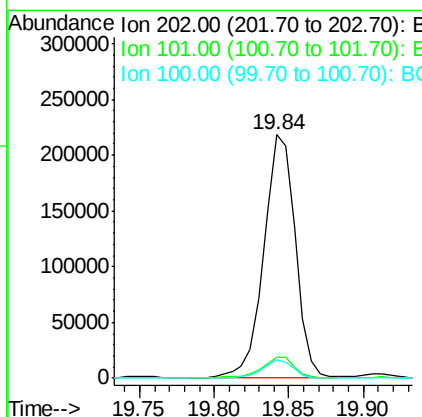
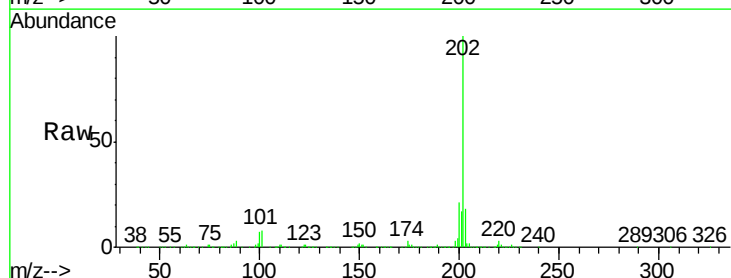
Instrument :
 BNA_G
 ClientSampleId :
 BC9F4

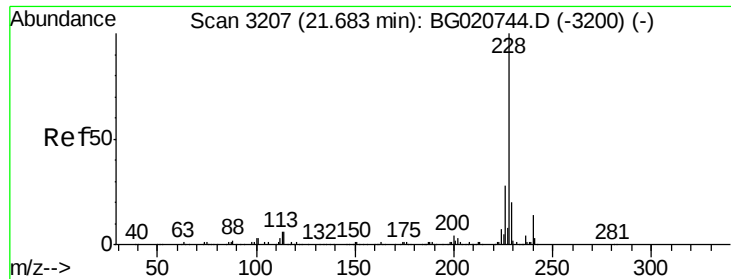
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.3	6.1	9.1
100	5.8	4.6	7.0



#80
 Pyrene
 Concen: 31.29 ng/ul
 RT: 19.84 min Scan# 2894
 Delta R.T. -0.00 min
 Lab File: BG020751.D
 Acq: 15 Jan 2016 14:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	6.9	10.3
100	7.4	5.6	8.4

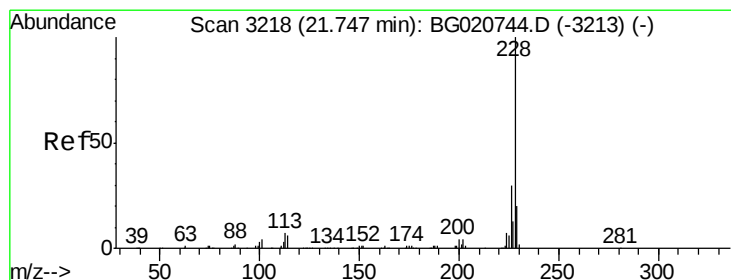
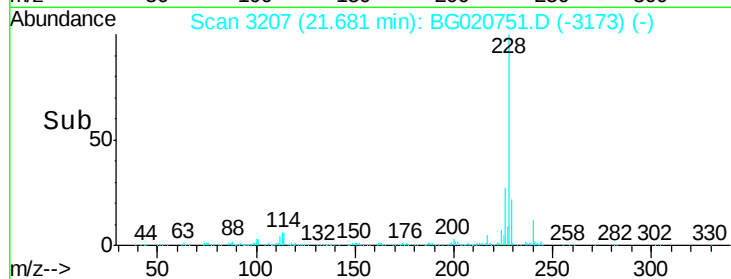
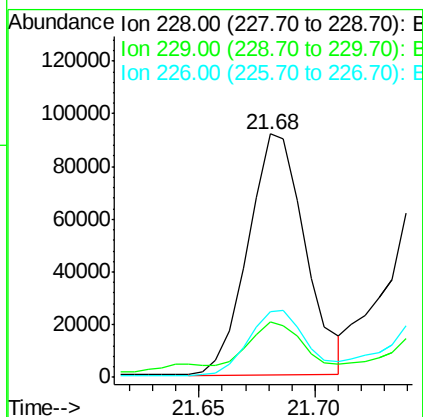
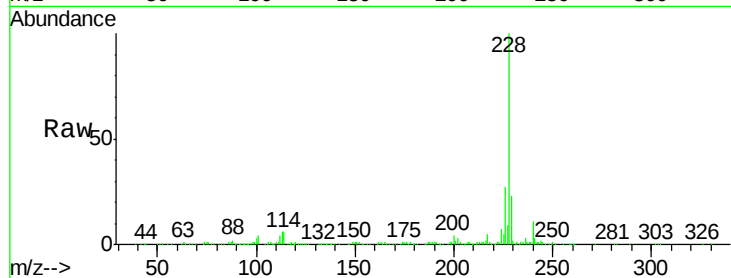




#83
Benzo(a)anthracene
Concen: 15.78 ng/ul
RT: 21.68 min Scan# 3207
Delta R.T. -0.00 min
Lab File: BG020751.D
Acq: 15 Jan 2016 14:04

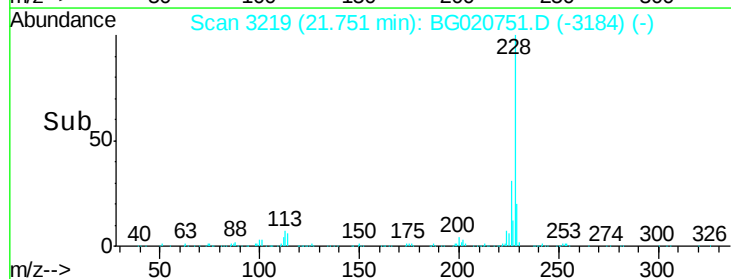
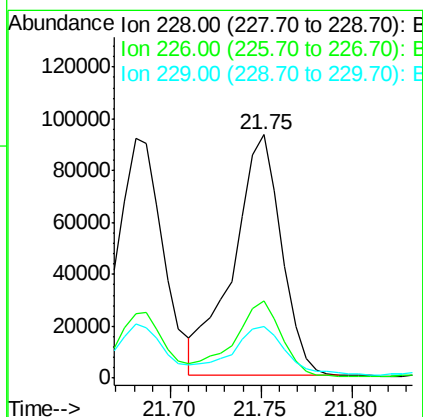
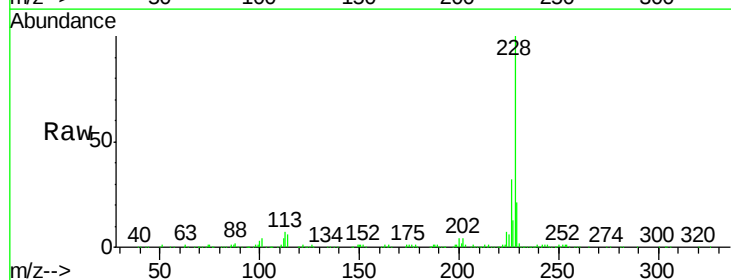
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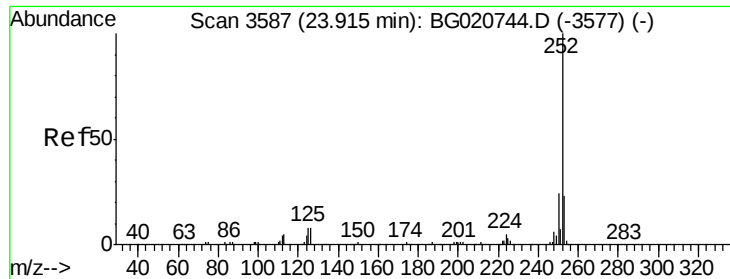
Tgt Ion:228 Resp: 157947
Ion Ratio Lower Upper
228 100
229 22.8 16.0 24.0
226 27.0 21.8 32.8



#85
Chrysene
Concen: 18.11 ng/ul
RT: 21.75 min Scan# 3219
Delta R.T. 0.00 min
Lab File: BG020751.D
Acq: 15 Jan 2016 14:04

Tgt Ion:228 Resp: 171310
Ion Ratio Lower Upper
228 100
226 31.8 24.1 36.1
229 21.1 16.0 24.0





#88

Benzo(b)fluoranthene

Concen: 17.29 ng/u1

RT: 23.93 min Scan# 3589

Delta R.T. 0.01 min

Lab File: BG020751.D

Acq: 15 Jan 2016 14:04

Instrument :

BNA_G

ClientSampleId :

BC9F4

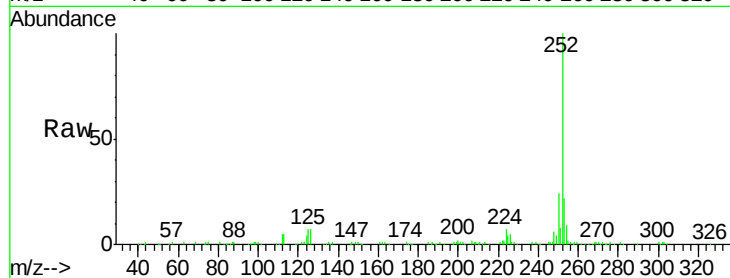
Tgt Ion:252 Resp: 172792

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

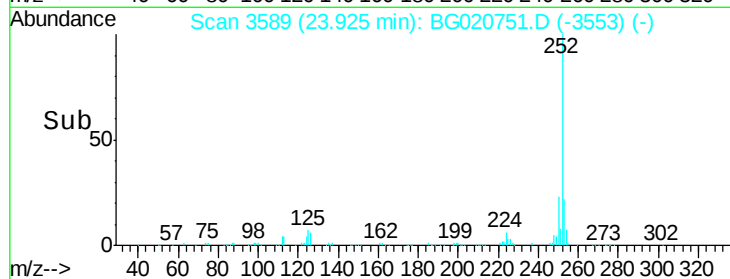
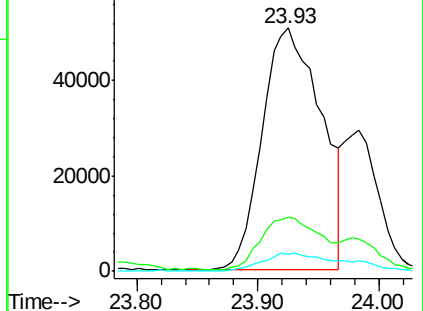
125 7.1 4.9 7.3



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: 17.51 ng/u1

RT: 23.93 min Scan# 3589

Delta R.T. -0.05 min

Lab File: BG020751.D

Acq: 15 Jan 2016 14:04

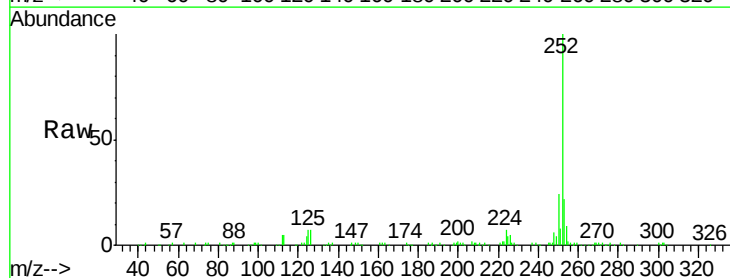
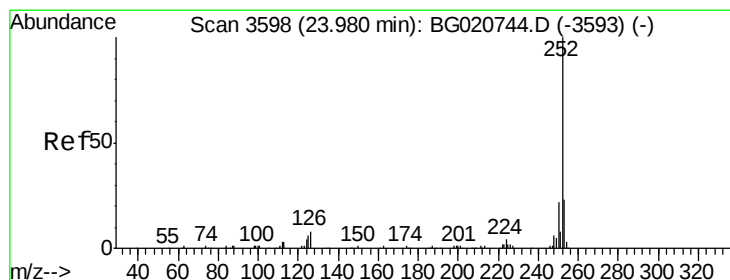
Tgt Ion:252 Resp: 172792

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

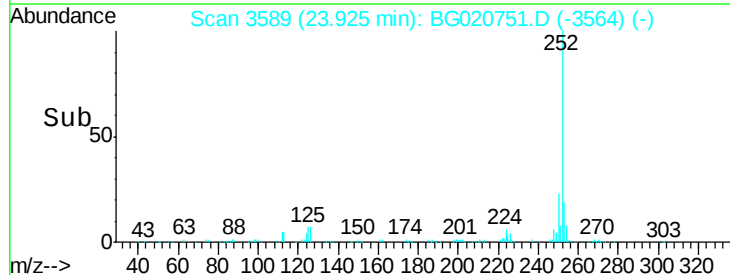
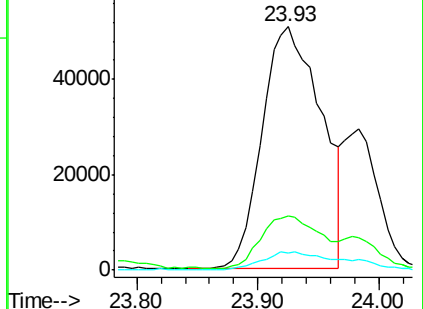
125 7.1 5.4 8.0

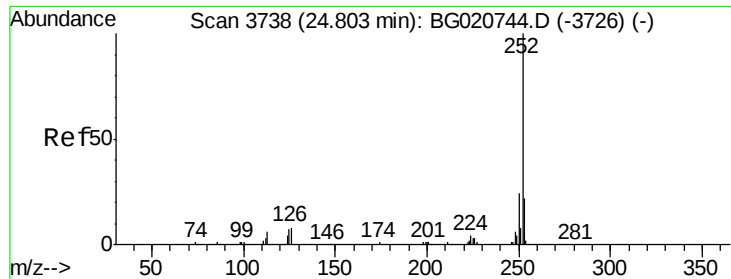


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 14.22 ng/ul

RT: 24.80 min Scan# 3738

Delta R.T. -0.00 min

Lab File: BG020751.D

Acq: 15 Jan 2016 14:04

Instrument :

BNA_G

ClientSampleId :

BC9F4

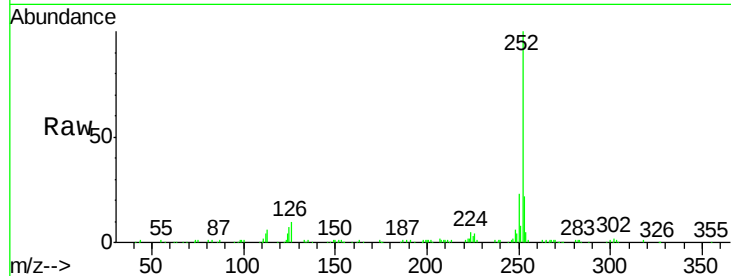
Tgt Ion:252 Resp: 136829

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

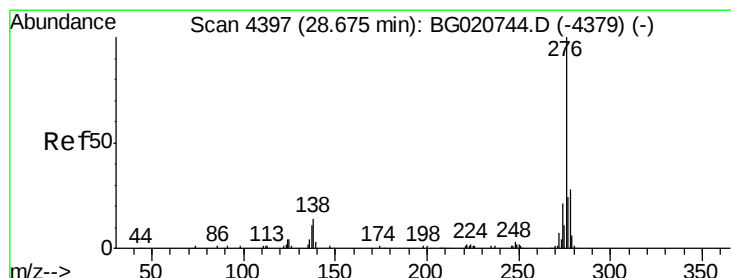
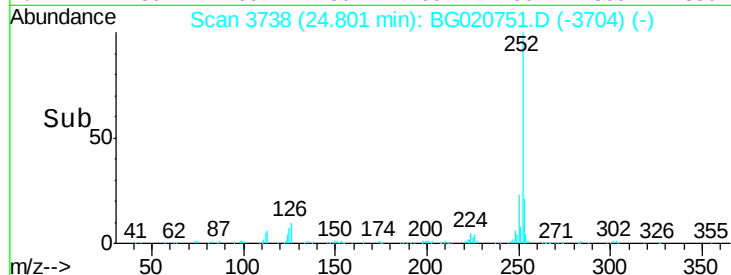
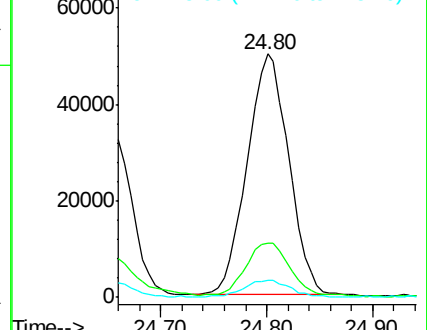
125 7.0 5.8 8.6



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: 7.15 ng/ul

RT: 28.67 min Scan# 4397

Delta R.T. -0.00 min

Lab File: BG020751.D

Acq: 15 Jan 2016 14:04

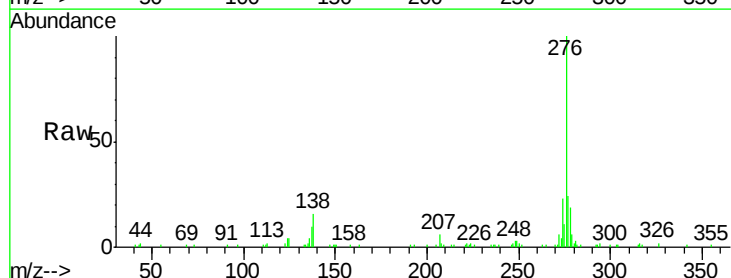
Tgt Ion:276 Resp: 81181

Ion Ratio Lower Upper

276 100

138 16.5 10.9 16.3#

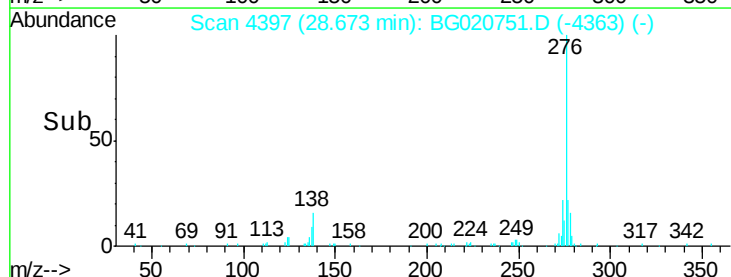
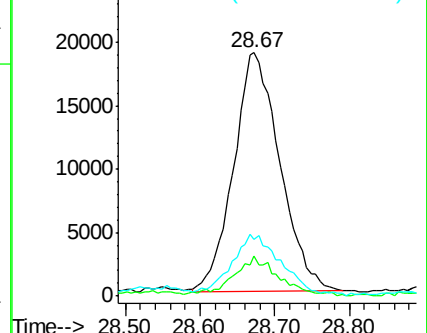
277 23.5 18.9 28.3

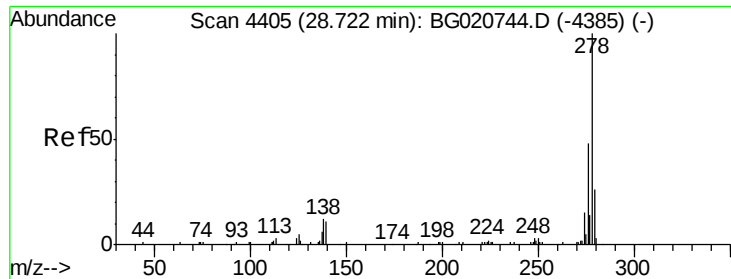


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.41 ng/ul

RT: 28.70 min Scan# 4402

Delta R.T. -0.02 min

Lab File: BG020751.D

Acq: 15 Jan 2016 14:04

Instrument :

BNA_G

ClientSampleId :

BC9F4

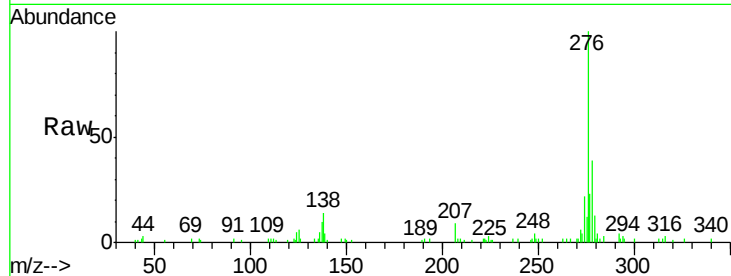
Tgt Ion:278 Resp: 13148

Ion Ratio Lower Upper

278 100

139 14.7 9.0 13.4#

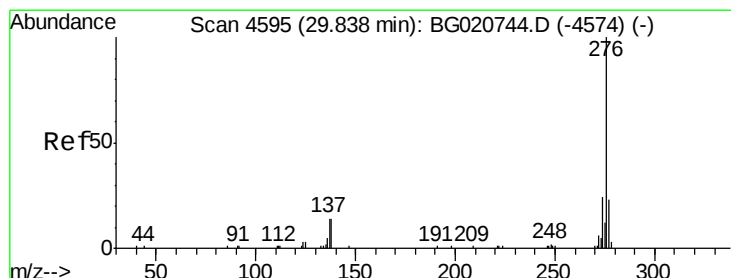
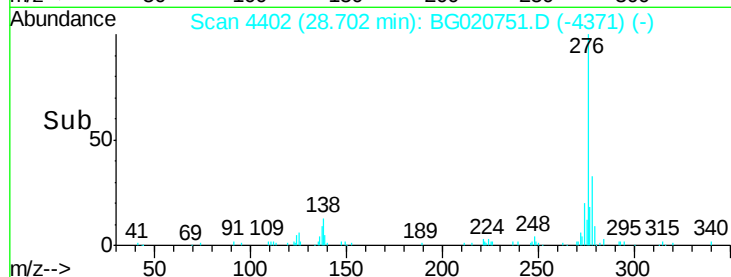
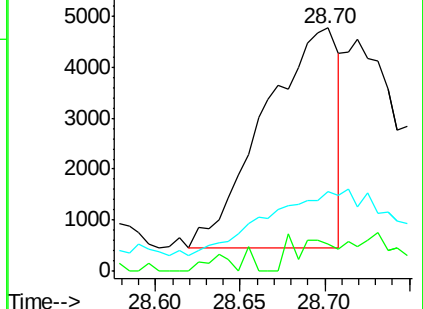
279 32.9 19.1 28.7#



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: 8.73 ng/ul

RT: 29.85 min Scan# 4597

Delta R.T. 0.01 min

Lab File: BG020751.D

Acq: 15 Jan 2016 14:04

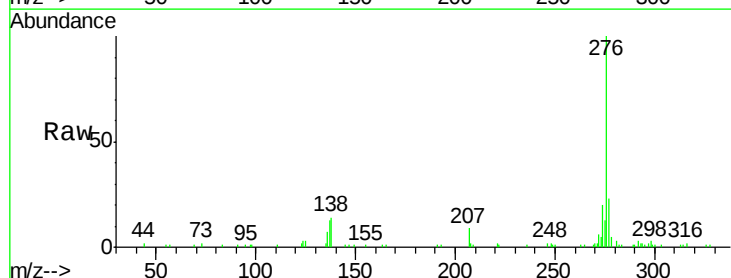
Tgt Ion:276 Resp: 81698

Ion Ratio Lower Upper

276 100

138 13.9 11.2 16.8

277 22.9 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

