

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
 Data File : BG020749.D
 Acq On : 15 Jan 2016 12:45
 Operator : SJ/IZ
 Sample : H1101-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC9F0

Quant Time: Jan 15 22:17:42 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	18508	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	79954	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	58020	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	145006	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	171267	20.00	ng/ul	0.00
86) Perylene-d12	24.95	264	163400	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	854	2.25	ng/uL	0.00
5) Phenol-d5	7.20	99	21783	13.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	14427	15.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	19046	15.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	8479	6.34	ng/ul	0.00
19) Nitrobenzene-d5	9.21	128	10034	15.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	12153	16.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	21398	15.33	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	14269	10.33	ng/ul	0.00
44) Dimethylphthalate-d6	14.08	166	81177	16.03	ng/ul	0.00
47) Acenaphthylene-d8	14.37	160	95616	16.82	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	7124	10.48	ng/ul	0.01
58) Fluorene-d10	15.67	176	75438	16.71	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	10109	12.82	ng/ul	0.00
71) Anthracene-d10	17.53	188	120307	16.93	ng/ul	0.00
79) Pyrene-d10	19.81	212	143871	17.66	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	151724	17.42	ng/ul	0.00

Target Compounds

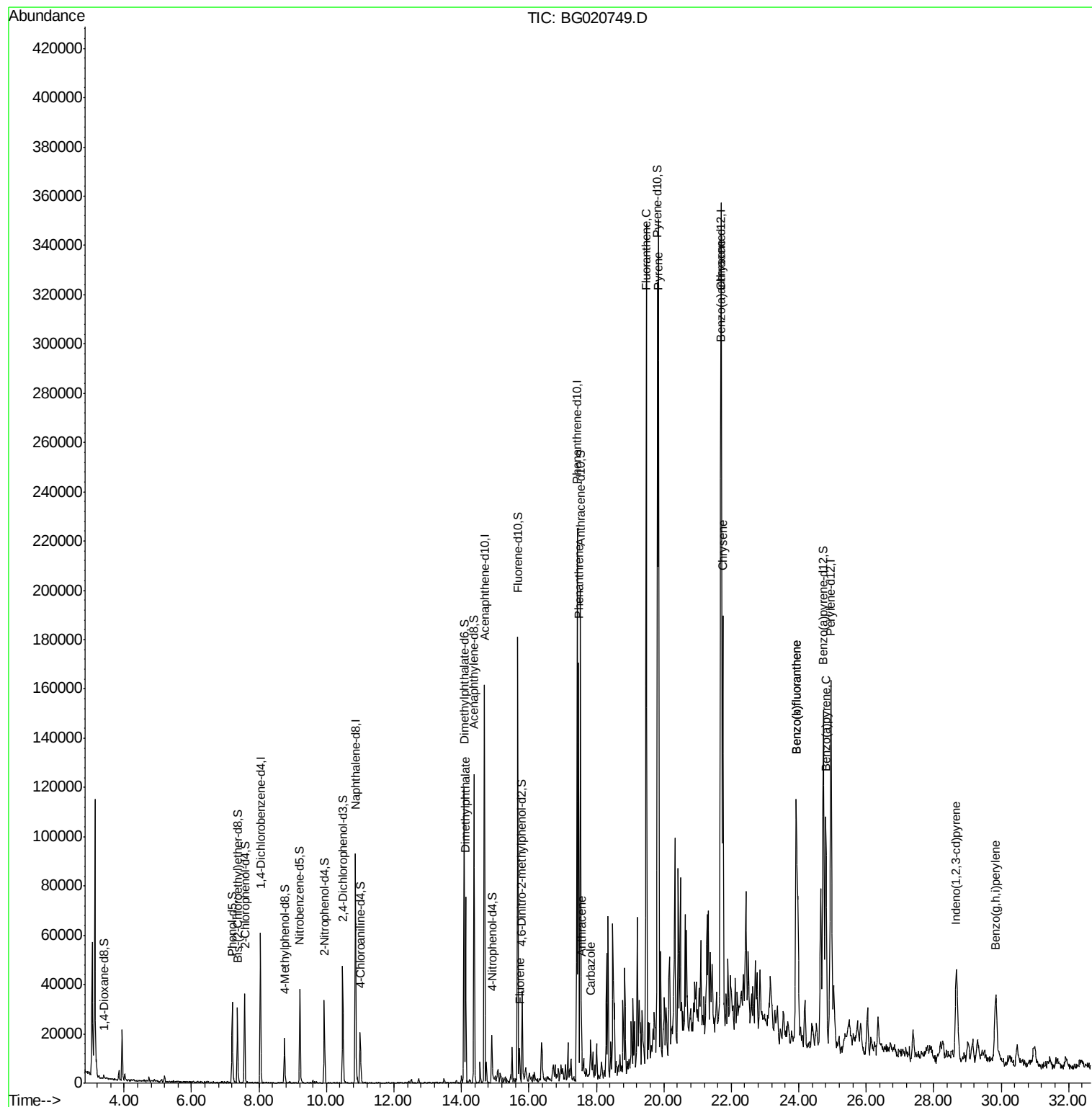
						Qvalue
45) Dimethylphthalate	14.13	163	49857	9.16	ng/ul#	98
59) Fluorene	15.73	166	6042	1.19	ng/ul	95
70) Phenanthrene	17.47	178	105923	12.28	ng/ul	100
72) Anthracene	17.56	178	21997	2.53	ng/ul	96
75) Carbazole	17.83	167	10054	1.41	ng/ul	96
77) Fluoranthene	19.48	202	217802	20.77	ng/ul	99
80) Pyrene	19.84	202	218063	20.08	ng/ul	99
83) Benzo(a)anthracene	21.68	228	118615	11.10	ng/ul	96
85) Chrysene	21.75	228	122232	12.10	ng/ul	97
88) Benzo(b)fluoranthene	23.93	252	128377	12.20	ng/ul#	98
89) Benzo(k)fluoranthene	23.93	252	128377	12.35	ng/ul	97
91) Benzo(a)pyrene	24.80	252	100193	9.89	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.67	276	63463	5.31	ng/ul	98
94) Benzo(g,h,i)perylene	29.84	276	58280	5.91	ng/ul	96

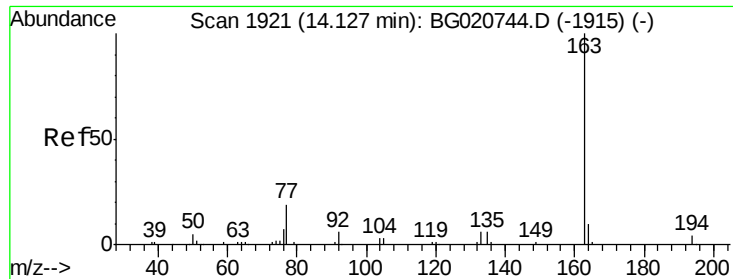
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 15 22:17:42 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

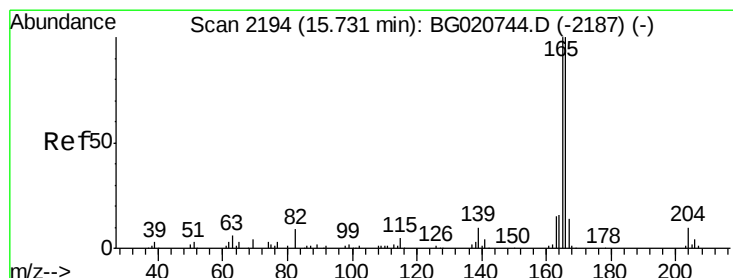
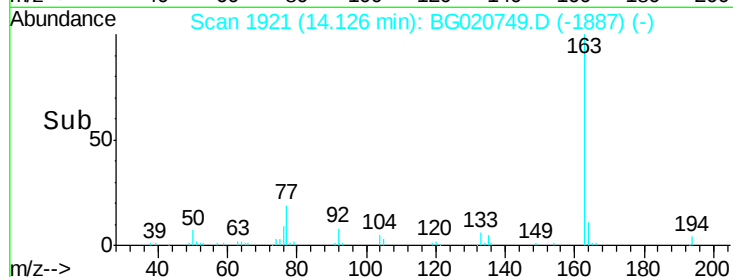
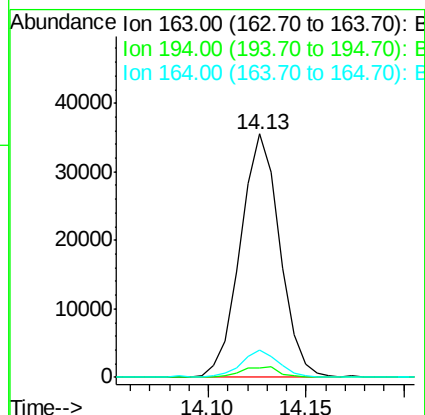
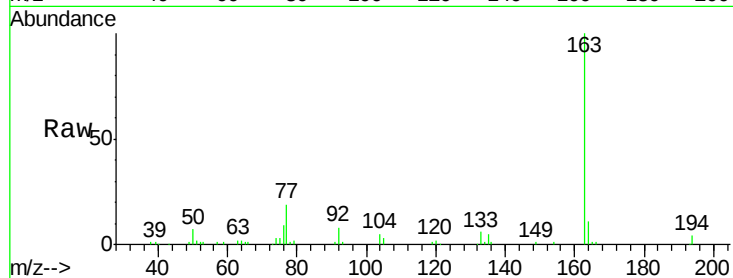




#45
Dimethylphthalate
Concen: 9.16 ng/ul
RT: 14.13 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BG020749.D
Acq: 15 Jan 2016 12:45

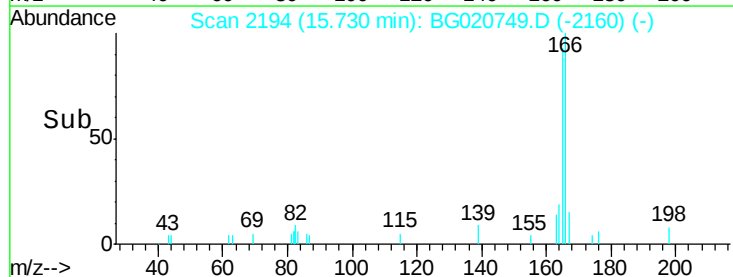
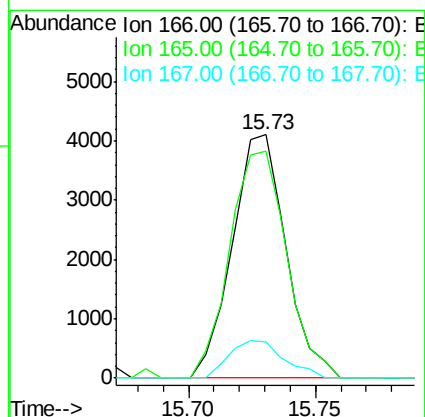
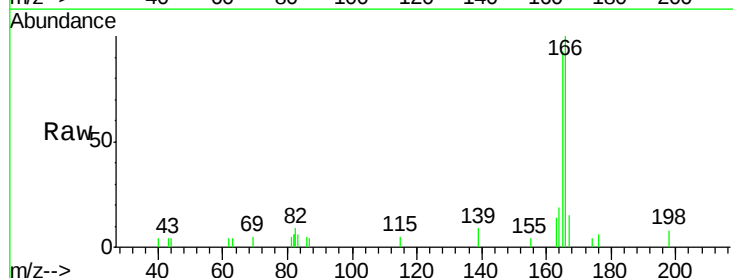
Instrument :
BNA_G
ClientSampleId :
BC9F0

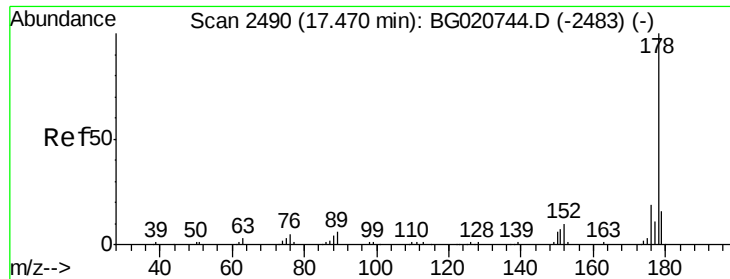
Tgt Ion:163 Resp: 49857
Ion Ratio Lower Upper
163 100
194 4.0 4.0 6.0#
164 11.1 8.4 12.6



#59
Fluorene
Concen: 1.19 ng/ul
RT: 15.73 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BG020749.D
Acq: 15 Jan 2016 12:45

Tgt Ion:166 Resp: 6042
Ion Ratio Lower Upper
166 100
165 93.1 78.4 117.6
167 15.1 11.1 16.7

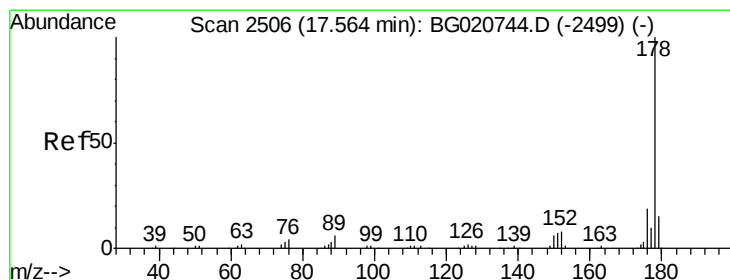
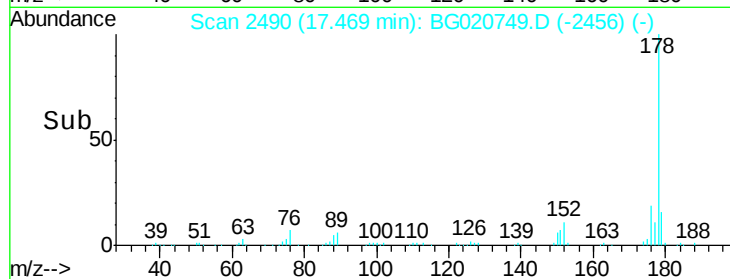
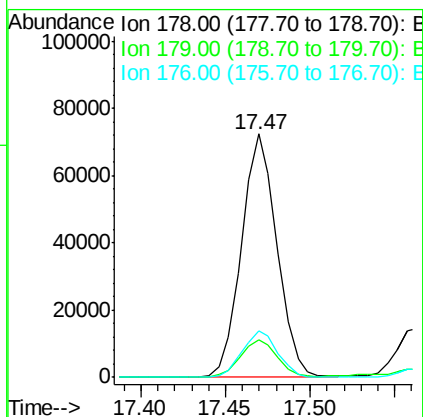
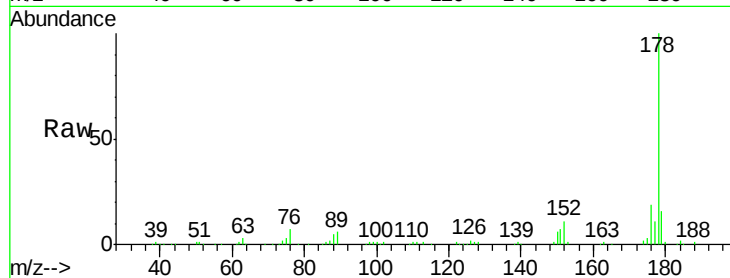




#70
 Phenanthrene
 Concen: 12.28 ng/ul
 RT: 17.47 min Scan# 2490
 Delta R.T. -0.00 min
 Lab File: BG020749.D
 Acq: 15 Jan 2016 12:45

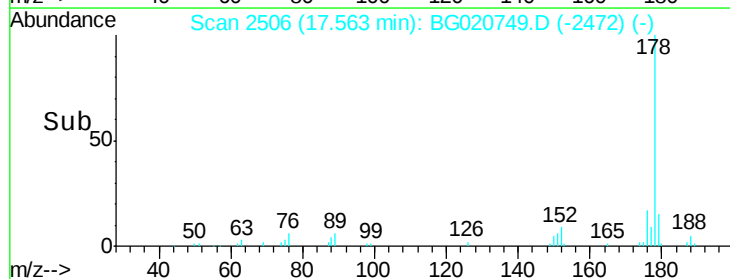
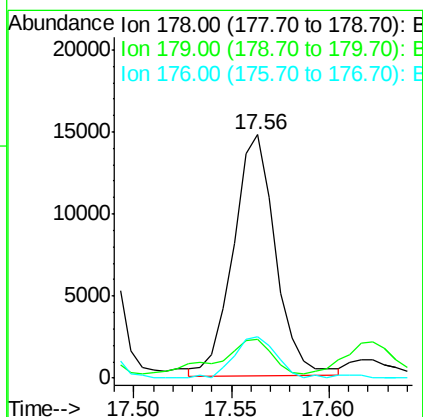
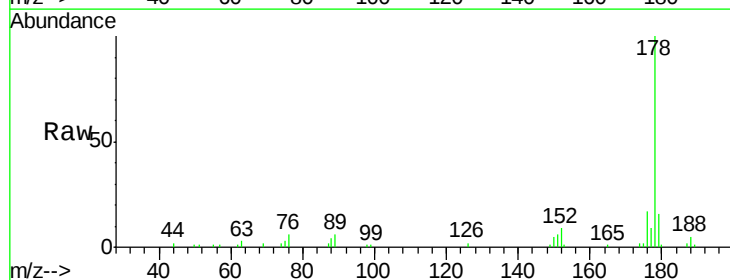
Instrument :
 BNA_G
 ClientSampleId :
 BC9F0

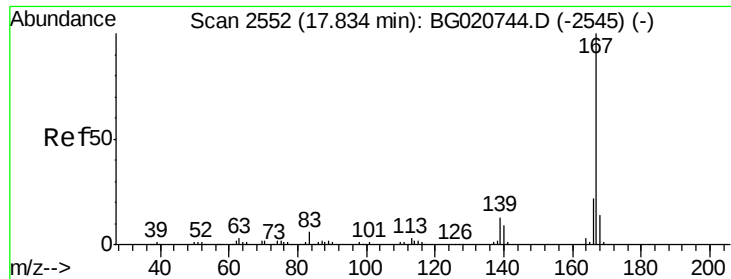
Tgt Ion:178 Resp: 105923
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.3 18.5
 176 19.1 15.4 23.0



#72
 Anthracene
 Concen: 2.53 ng/ul
 RT: 17.56 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: BG020749.D
 Acq: 15 Jan 2016 12:45

Tgt Ion:178 Resp: 21997
 Ion Ratio Lower Upper
 178 100
 179 15.7 13.4 20.2
 176 16.8 15.4 23.0





#75

Carbazole

Concen: 1.41 ng/ul

RT: 17.83 min Scan# 2552

Delta R.T. -0.00 min

Lab File: BG020749.D

Acq: 15 Jan 2016 12:45

Instrument :

BNA_G

ClientSampleId :

BC9F0

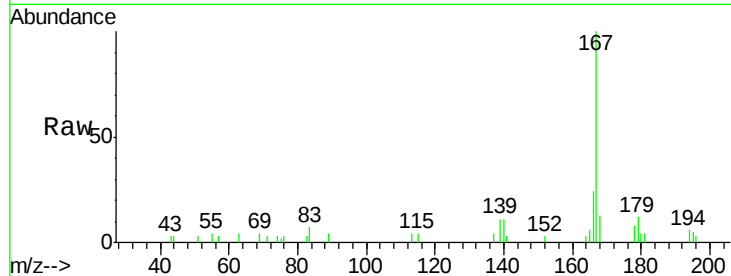
Tgt Ion:167 Resp: 10054

Ion Ratio Lower Upper

167 100

166 23.7 17.0 25.4

139 11.0 9.1 13.7

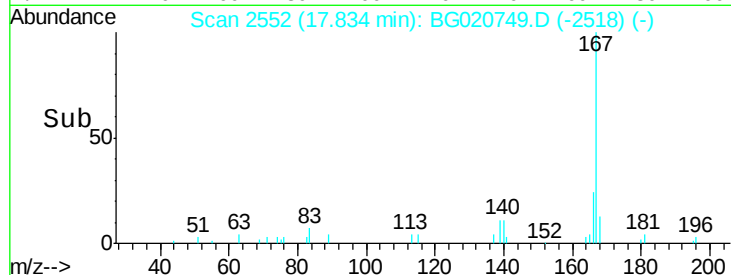


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time-->



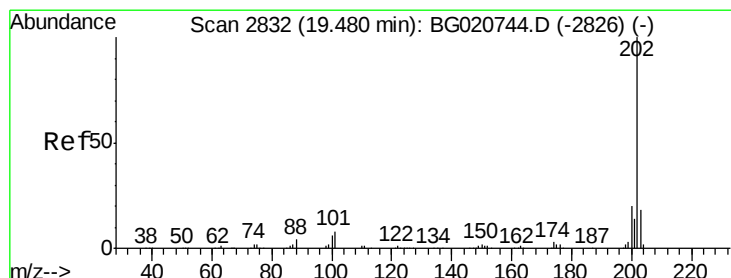
Abundance

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

Time-->



#77

Fluoranthene

Concen: 20.77 ng/ul

RT: 19.48 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BG020749.D

Acq: 15 Jan 2016 12:45

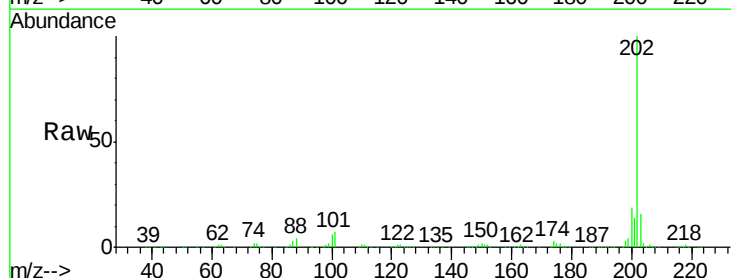
Tgt Ion:202 Resp: 217802

Ion Ratio Lower Upper

202 100

101 7.5 6.1 9.1

100 5.5 4.6 7.0

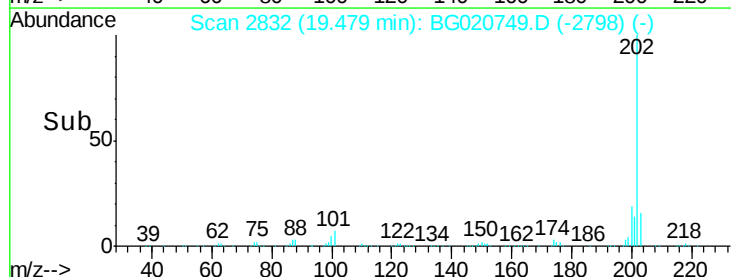


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



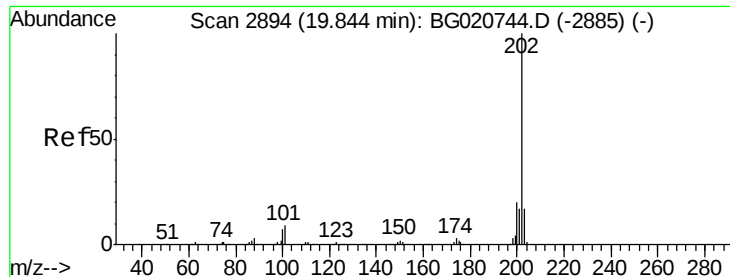
Abundance

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): E

Time-->



#80

Pyrene

Concen: 20.08 ng/u1

RT: 19.84 min Scan# 2894

Delta R.T. -0.00 min

Lab File: BG020749.D

Acq: 15 Jan 2016 12:45

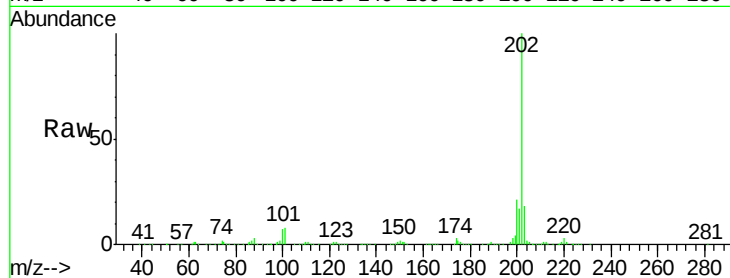
Instrument :

BNA_G

ClientSampleId :

BC9F0

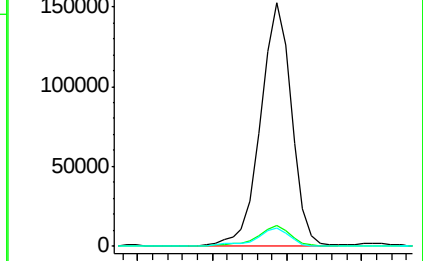
Tgt Ion:	202	Resp:	218063
Ion	Ratio	Lower	Upper
202	100		
101	8.4	6.9	10.3
100	7.4	5.6	8.4



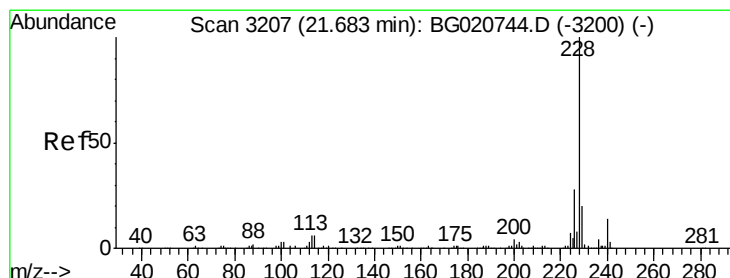
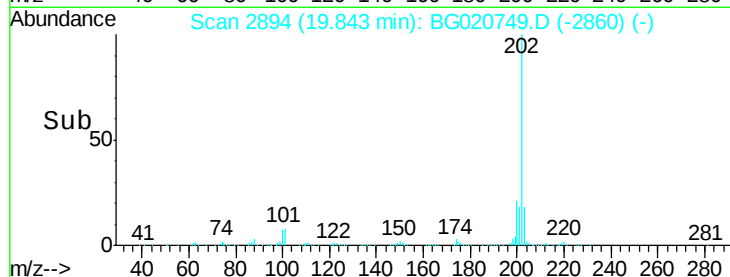
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



Time-->



#83

Benzo(a)anthracene

Concen: 11.10 ng/u1

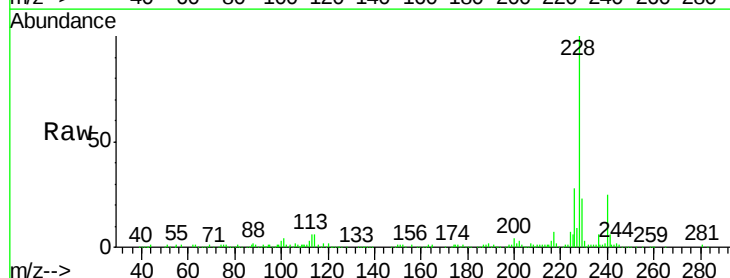
RT: 21.68 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BG020749.D

Acq: 15 Jan 2016 12:45

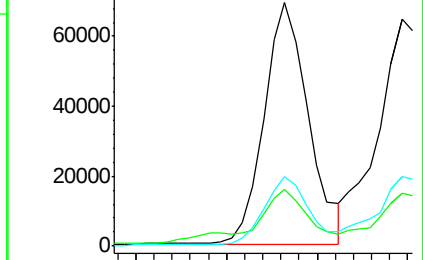
Tgt Ion:	228	Resp:	118615
Ion	Ratio	Lower	Upper
228	100		
229	23.1	16.0	24.0
226	28.5	21.8	32.8



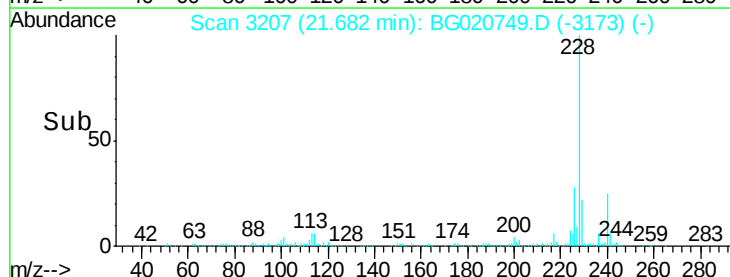
Abundance Ion 228.00 (227.70 to 228.70): E

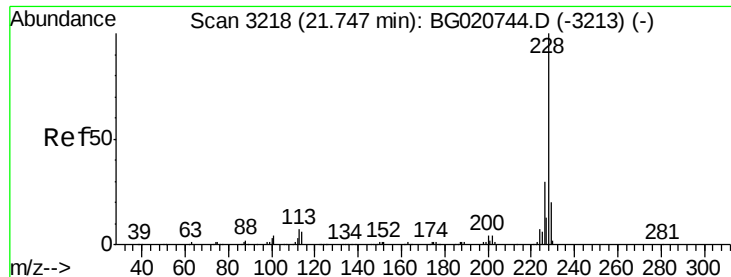
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time-->





#85

Chrysene

Concen: 12.10 ng/ul

RT: 21.75 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BG020749.D

Acq: 15 Jan 2016 12:45

Instrument :

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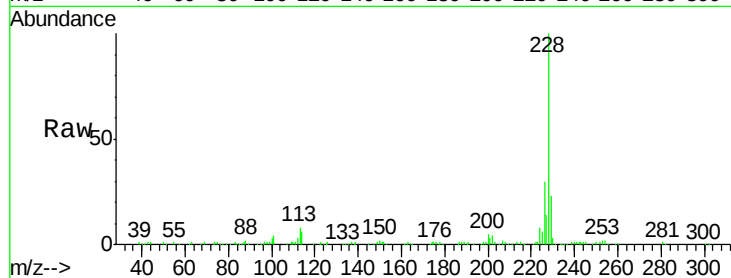
Tgt Ion:228 Resp: 122232

Ion Ratio Lower Upper

228 100

226 30.3 24.1 36.1

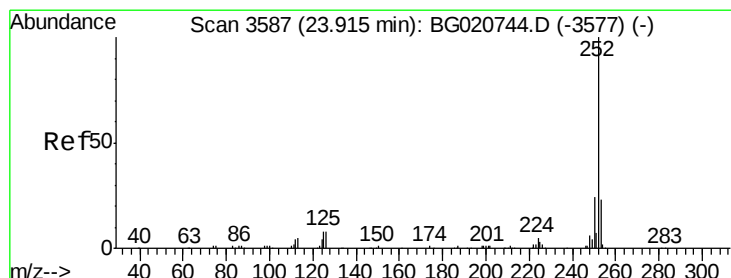
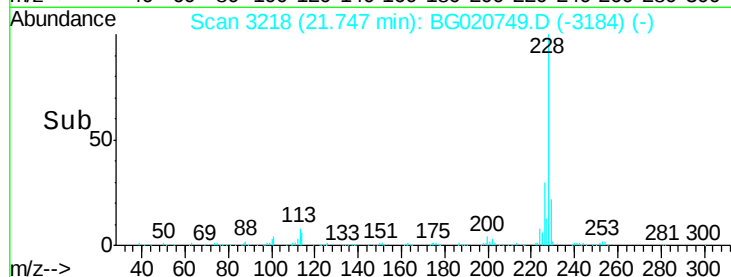
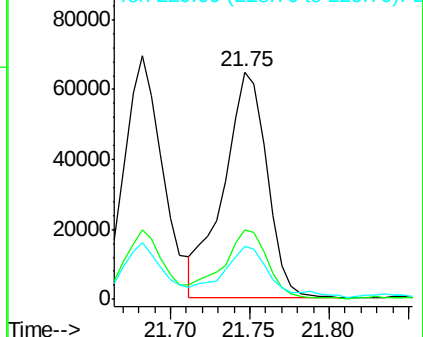
229 23.3 16.0 24.0



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: 12.20 ng/ul

RT: 23.93 min Scan# 3589

Delta R.T. 0.01 min

Lab File: BG020749.D

Acq: 15 Jan 2016 12:45

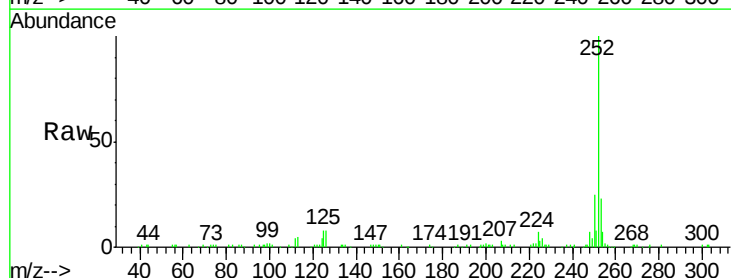
Tgt Ion:252 Resp: 128377

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

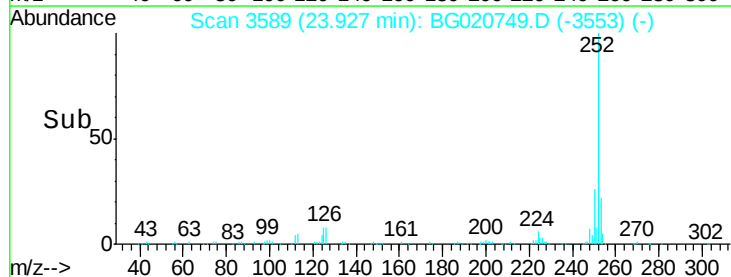
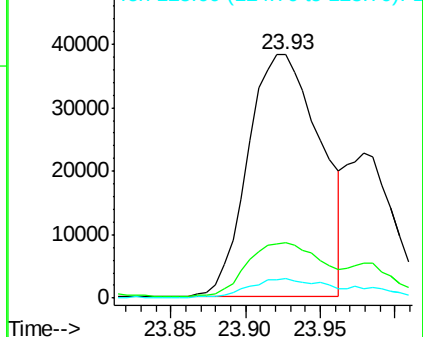
125 7.8 4.9 7.3#

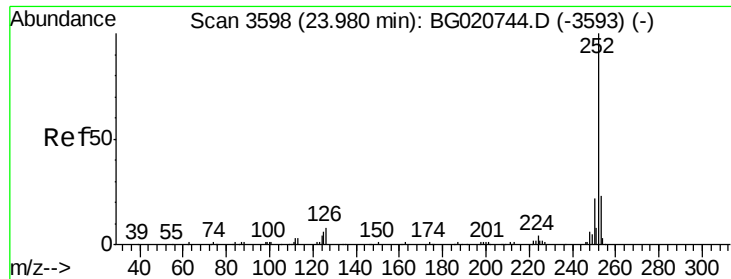


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 12.35 ng/ul

RT: 23.93 min Scan# 3589

Delta R.T. -0.05 min

Lab File: BG020749.D

Acq: 15 Jan 2016 12:45

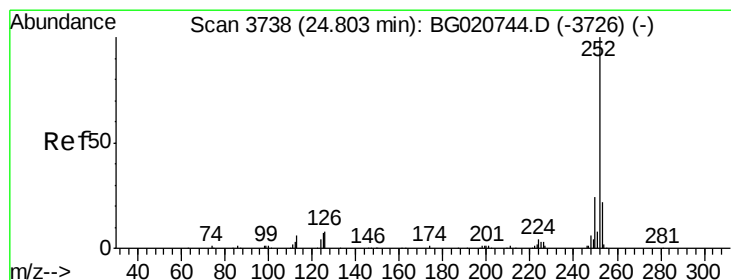
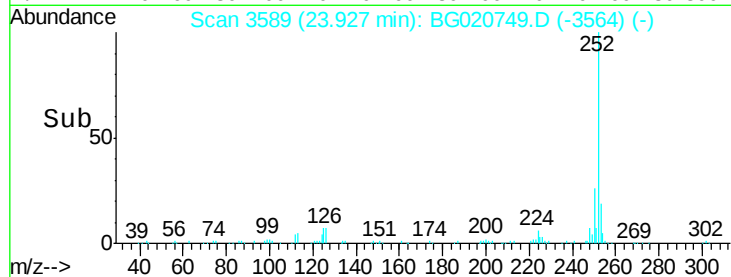
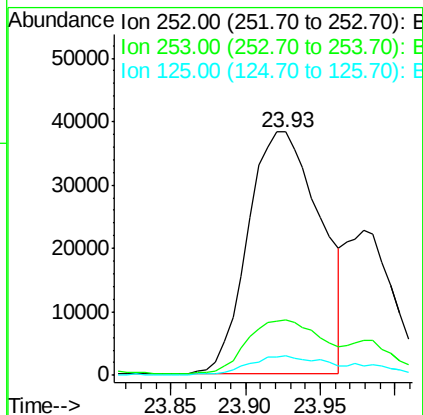
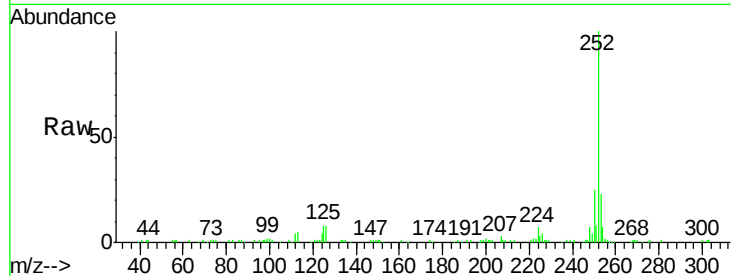
Instrument :

BNA_G

ClientSampleId :

BC9F0

Tgt Ion:	252	Resp:	128377
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	7.8	5.4	8.0



#91

Benzo(a)pyrene

Concen: 9.89 ng/ul

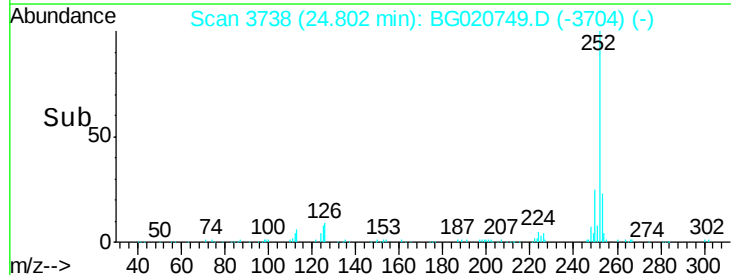
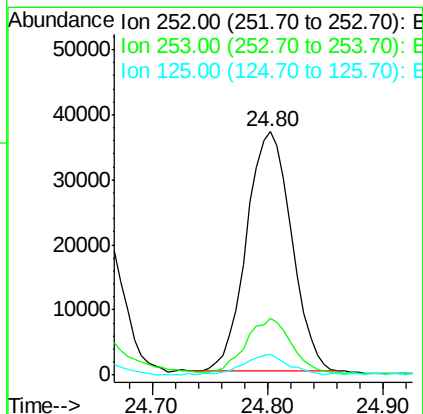
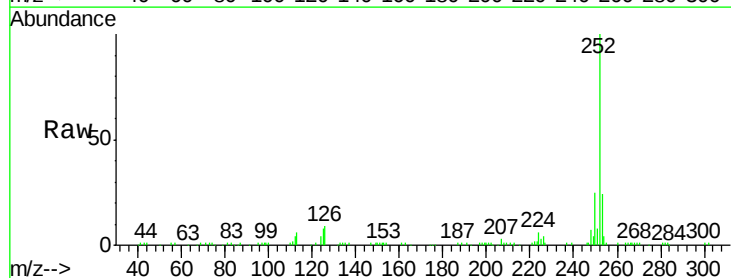
RT: 24.80 min Scan# 3738

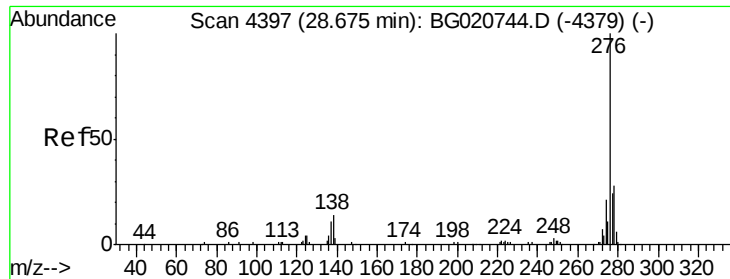
Delta R.T. -0.00 min

Lab File: BG020749.D

Acq: 15 Jan 2016 12:45

Tgt Ion:	252	Resp:	100193
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	8.3	5.8	8.6





#92

Indeno(1,2,3-cd)pyrene

Concen: 5.31 ng/ul

RT: 28.67 min Scan# 4396

Delta R.T. -0.01 min

Lab File: BG020749.D

Acq: 15 Jan 2016 12:45

Instrument :

BNA_G

ClientSampleId :

BC9F0

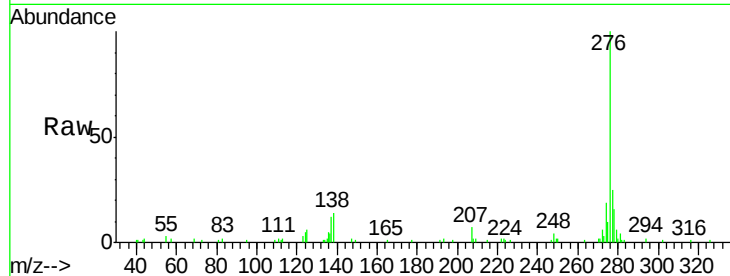
Tgt Ion:276 Resp: 63463

Ion Ratio Lower Upper

276 100

138 14.3 10.9 16.3

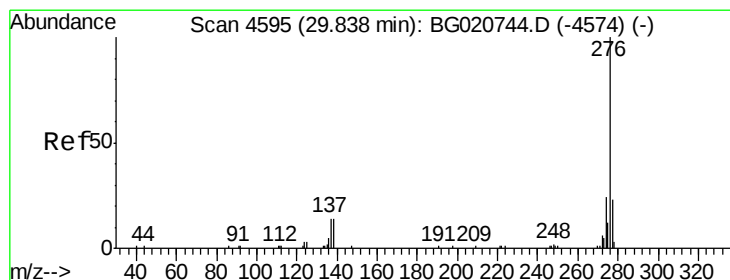
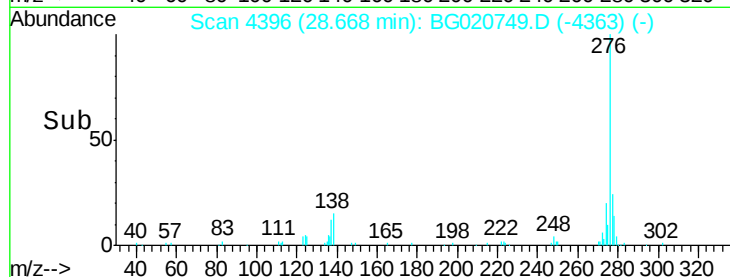
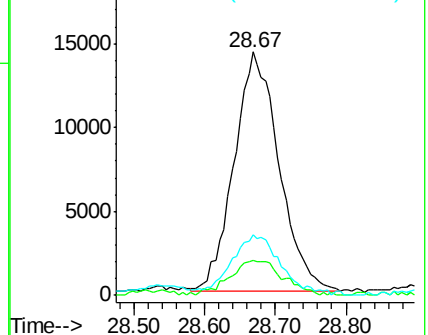
277 25.0 18.9 28.3



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



#94

Benzo(g,h,i)perylene

Concen: 5.91 ng/ul

RT: 29.84 min Scan# 4595

Delta R.T. -0.00 min

Lab File: BG020749.D

Acq: 15 Jan 2016 12:45

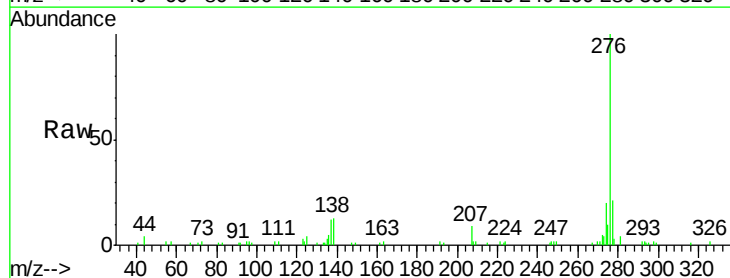
Tgt Ion:276 Resp: 58280

Ion Ratio Lower Upper

276 100

138 13.3 11.2 16.8

277 21.3 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

