

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110315\
 Data File : BG019469.D
 Acq On : 4 Nov 2015 1:51
 Operator : UM/NP
 Sample : G4211-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC770

Quant Time: Nov 04 02:40:22 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 04 02:23:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	37062	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	157957	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.81	164	123784	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.55	188	323217	20.00	ng/ul	0.00
78) Chrysene-d12	21.83	240	396289	20.00	ng/ul	0.00
86) Perylene-d12	25.18	264	381997	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	2609	3.37	ng/uL	0.00
5) Phenol-d5	7.33	99	64501	18.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	47124	21.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	43368	20.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.89	113	25175	9.29	ng/ul	0.00
19) Nitrobenzene-d5	9.36	128	24176	20.83	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	29546	21.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.62	165	57148	19.12	ng/ul	0.00
29) 4-Chloroaniline-d4	11.14	131	39427	13.04	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	206498	20.23	ng/ul	0.00
47) Acenaphthylene-d8	14.51	160	232625	20.58	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	25499	15.73	ng/ul	0.00
58) Fluorene-d10	15.79	176	189553	20.08	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.91	200	32660	15.61	ng/ul	0.00
71) Anthracene-d10	17.65	188	298309	20.25	ng/ul	0.00
79) Pyrene-d10	19.93	212	350563	20.21	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.95	264	383781	20.02	ng/ul	0.00

Target Compounds

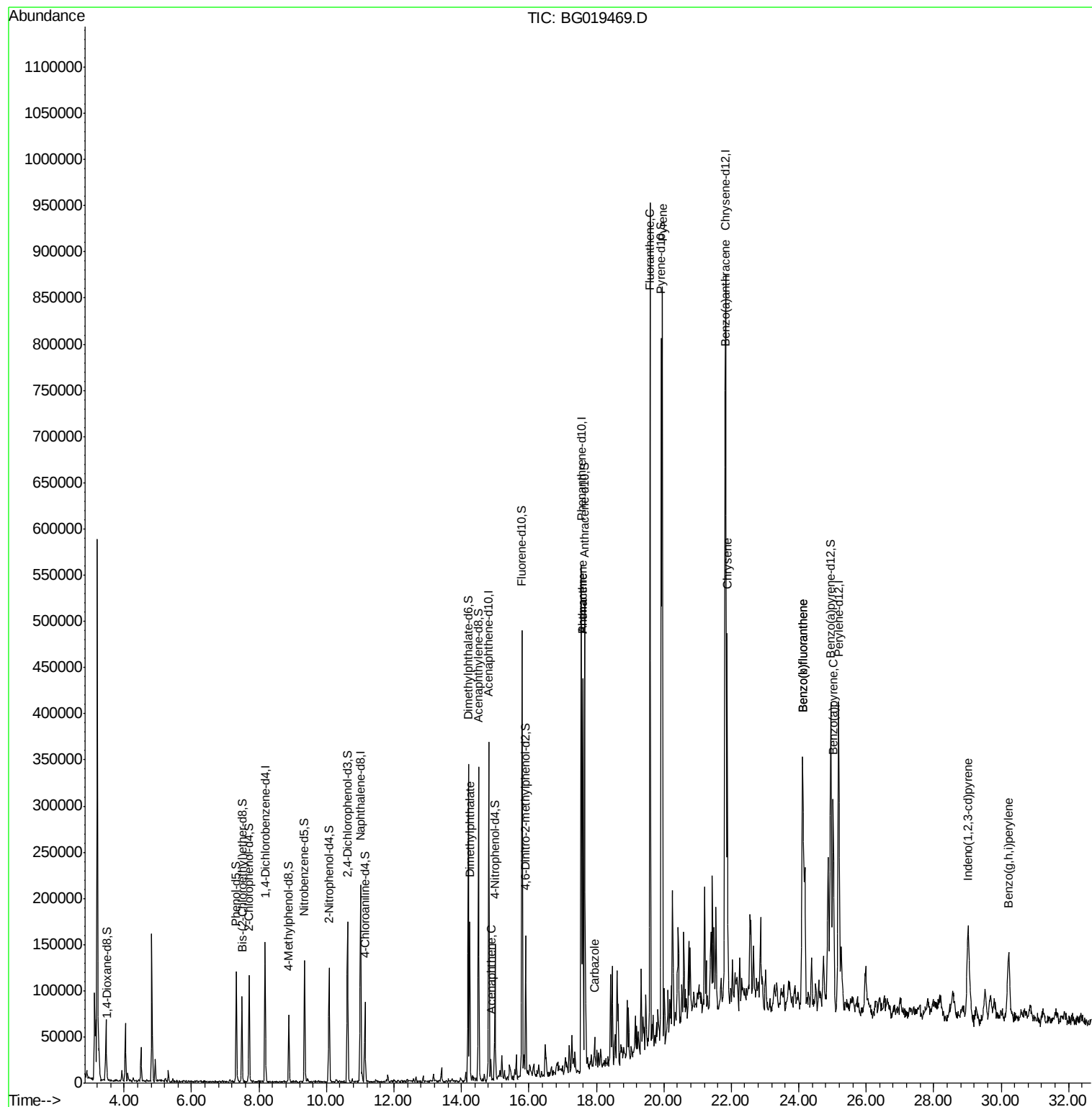
						Qvalue
45) Dimethylphthalate	14.25	163	97265	9.32	ng/ul#	99
50) Acenaphthene	14.87	153	8613	1.10	ng/ul	91
70) Phenanthrene	17.59	178	251745	15.43	ng/ul	97
72) Anthracene	17.59	178	251844	15.15	ng/ul	97
75) Carbazole	17.95	167	18334	1.38	ng/ul#	96
77) Fluoranthene	19.59	202	541963	25.66	ng/ul#	96
80) Pyrene	19.95	202	510036	22.93	ng/ul#	94
83) Benzo(a)anthracene	21.81	228	314974	13.65	ng/ul	96
85) Chrysene	21.88	228	289035	13.35	ng/ul	99
88) Benzo(b)fluoranthene	24.11	252	377895	16.77	ng/ul#	99
89) Benzo(k)fluoranthene	24.11	252	377895	17.43	ng/ul#	100
91) Benzo(a)pyrene	25.02	252	254835	11.77	ng/ul#	91
92) Indeno(1,2,3-cd)pyrene	29.01	276	96666	3.96	ng/ul#	89
94) Benzo(g,h,i)perylene	30.22	276	154856	8.37	ng/ul#	95

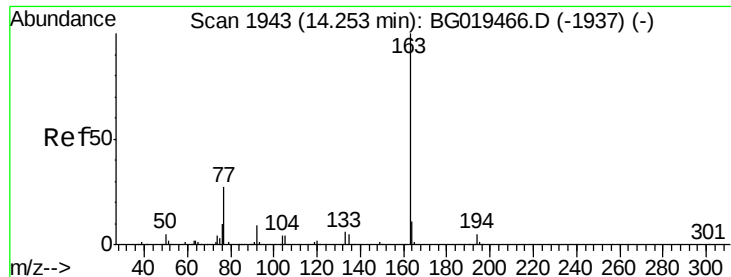
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110315\
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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Quant Time: Nov 04 02:40:22 2015
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 04 02:23:38 2015
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 9.32 ng/ul

RT: 14.25 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BG019469.D

Acq: 4 Nov 2015 1:51

Instrument :

BNA_G

ClientSampleId :

BC770

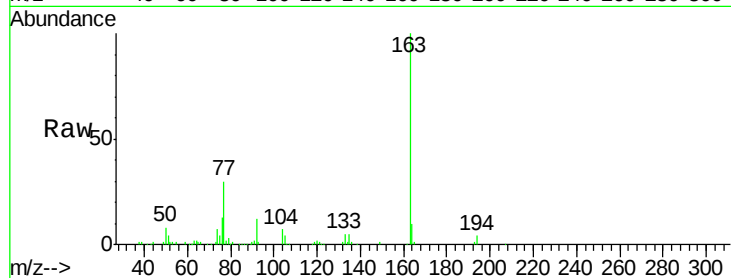
Tgt Ion:163 Resp: 97265

Ion Ratio Lower Upper

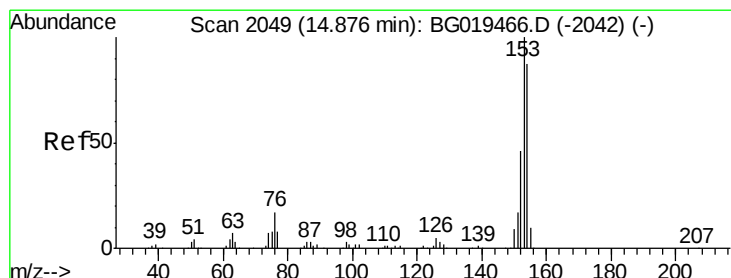
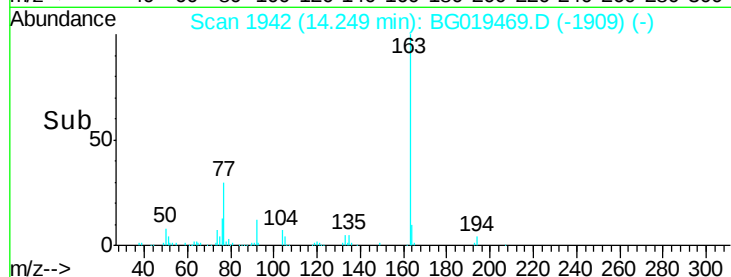
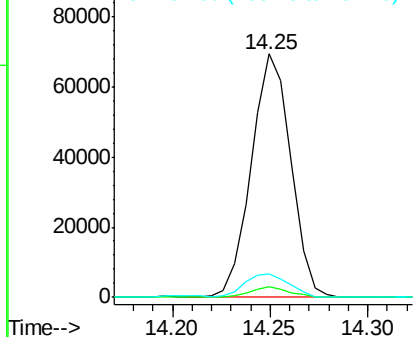
163 100

194 4.3 4.3 6.5#

164 9.6 7.5 11.3



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

Acenaphthene

Concen: 1.10 ng/ul

RT: 14.87 min Scan# 2048

Delta R.T. -0.00 min

Lab File: BG019469.D

Acq: 4 Nov 2015 1:51

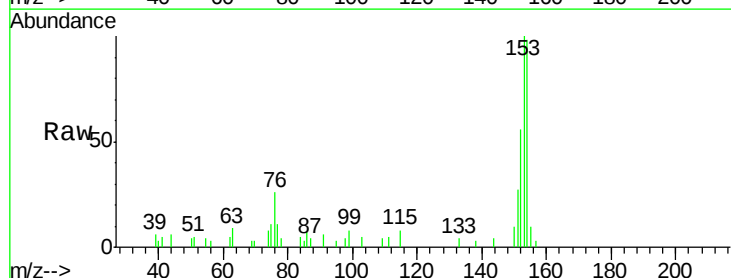
Tgt Ion:153 Resp: 8613

Ion Ratio Lower Upper

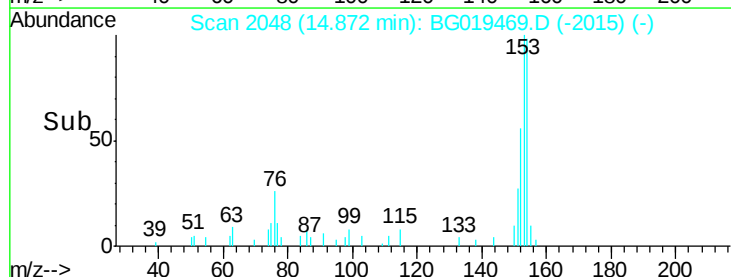
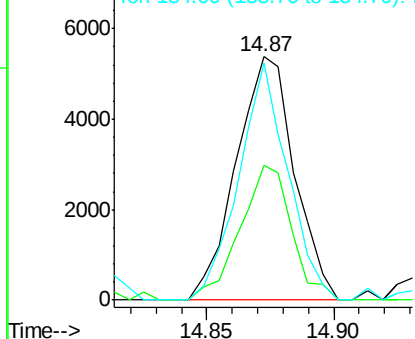
153 100

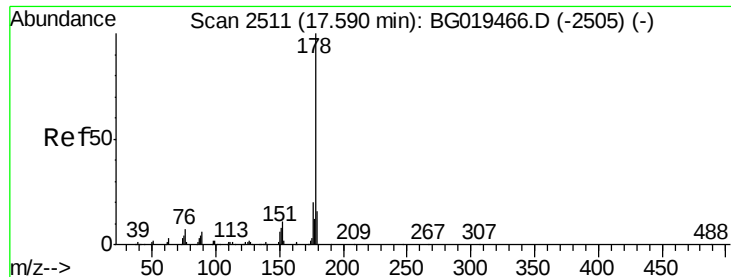
152 55.6 38.8 58.2

154 97.5 71.5 107.3



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





#70

Phenanthrene

Concen: 15.43 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. 0.00 min

Lab File: BG019469.D

Acq: 4 Nov 2015 1:51

Instrument :

BNA_G

ClientSampleId :

BC770

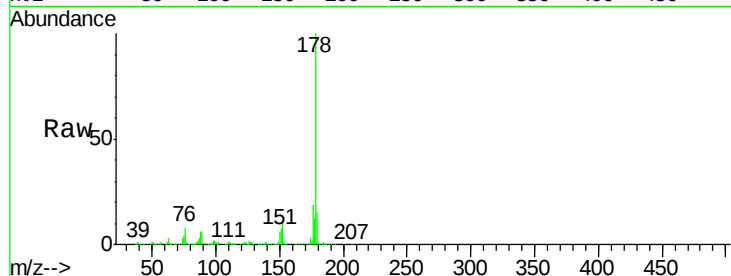
Tgt Ion:178 Resp: 251745

Ion Ratio Lower Upper

178 100

179 15.1 12.6 18.8

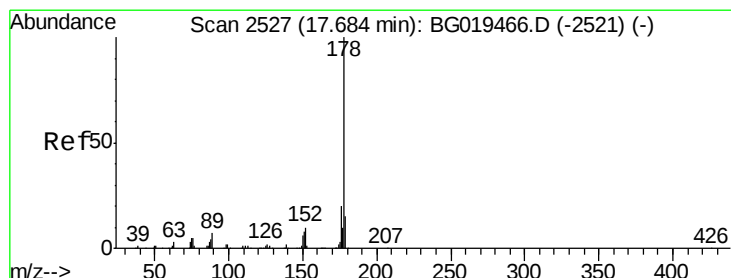
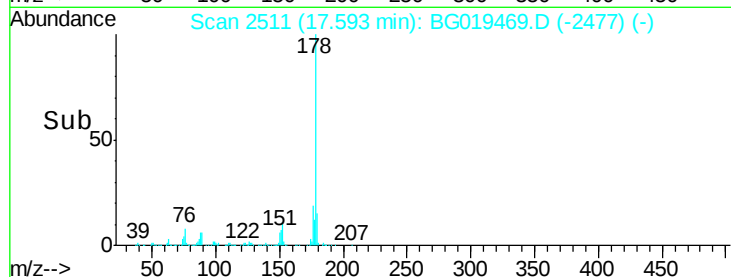
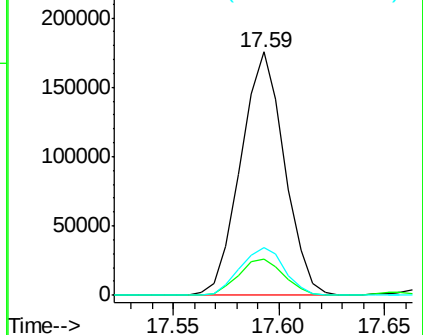
176 19.5 14.3 21.5



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



#72

Anthracene

Concen: 15.15 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.09 min

Lab File: BG019469.D

Acq: 4 Nov 2015 1:51

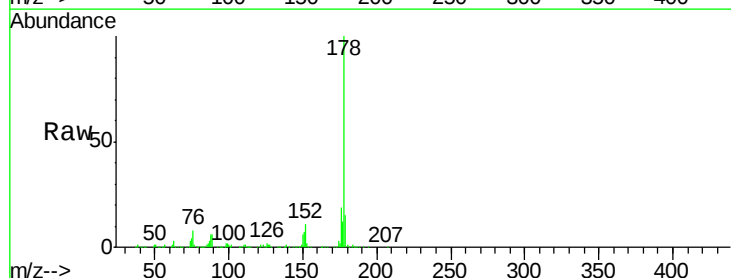
Tgt Ion:178 Resp: 251844

Ion Ratio Lower Upper

178 100

179 15.1 11.6 17.4

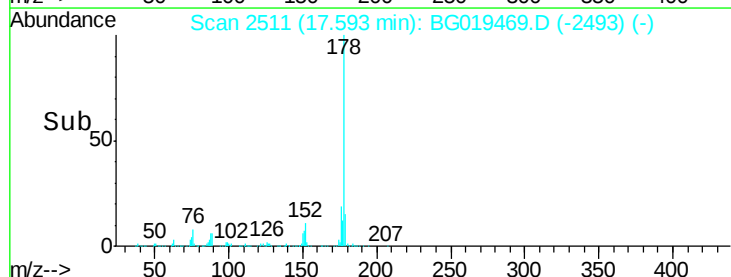
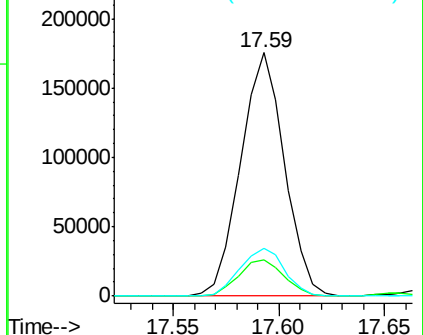
176 19.5 14.2 21.4

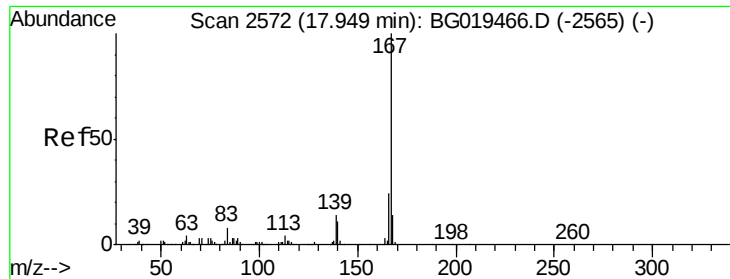


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

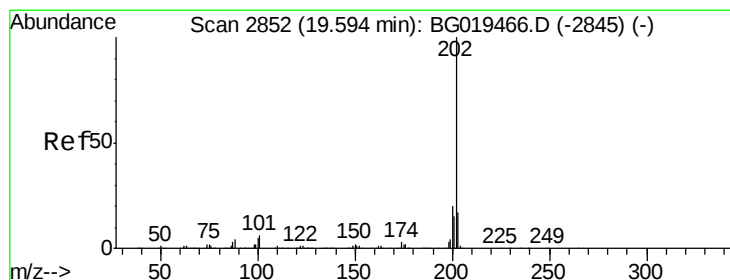
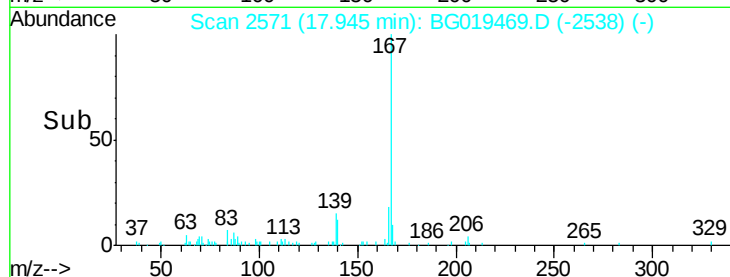
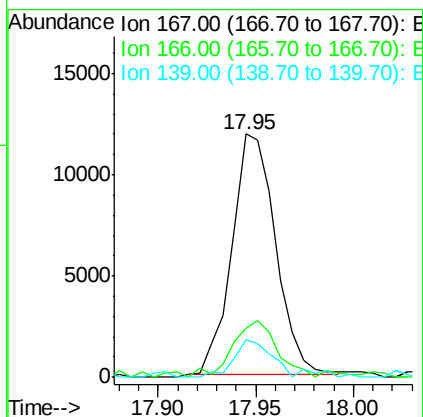
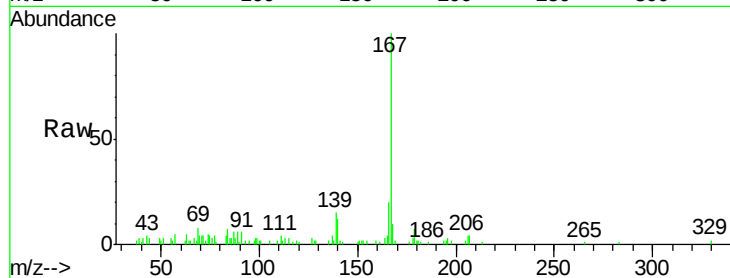




#75
 Carbazole
 Concen: 1.38 ng/ul
 RT: 17.95 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: BG019469.D
 Acq: 4 Nov 2015 1:51

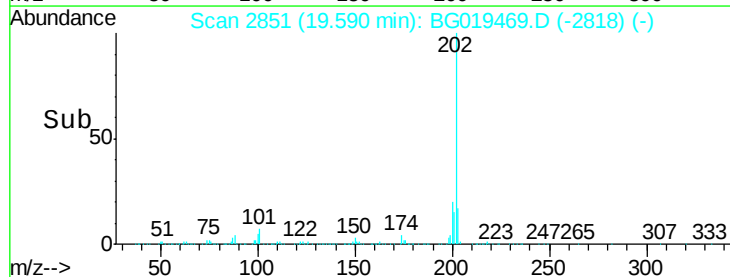
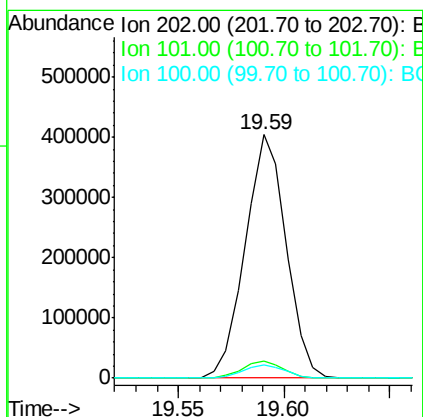
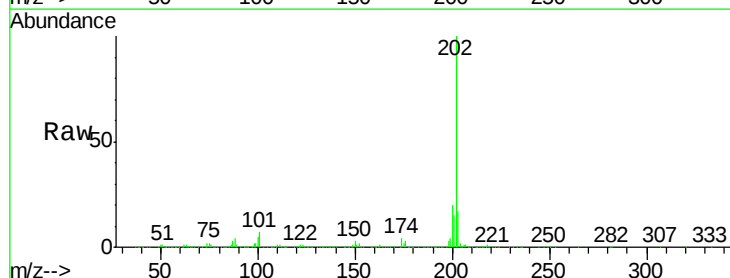
Instrument :
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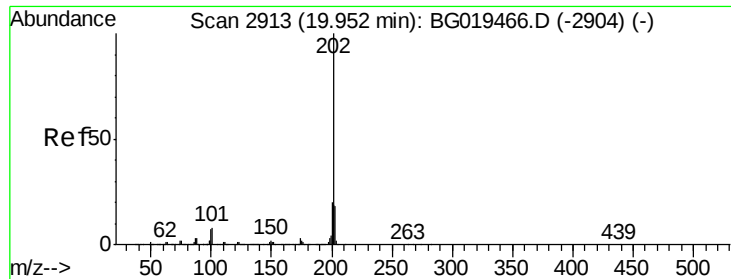
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.1	16.8	25.2
139	15.4	9.8	14.6



#77
 Fluoranthene
 Concen: 25.66 ng/ul
 RT: 19.59 min Scan# 2851
 Delta R.T. -0.00 min
 Lab File: BG019469.D
 Acq: 4 Nov 2015 1:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.8	4.0	6.0
100	5.3	3.6	5.4

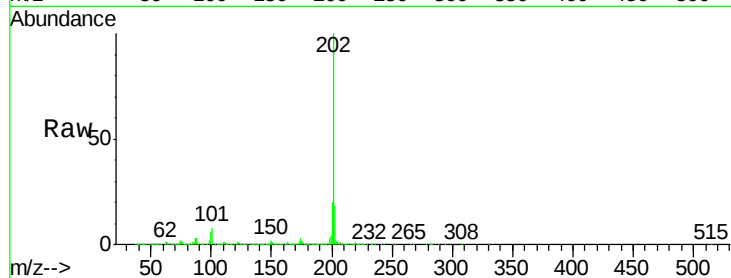




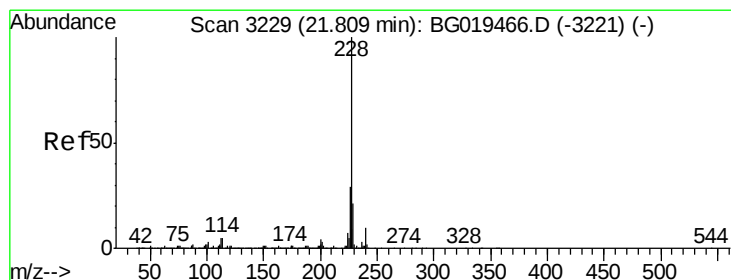
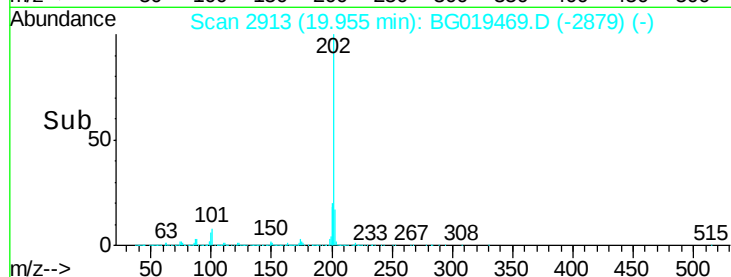
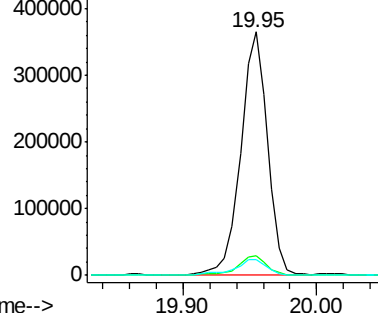
#80
 Pyrene
 Concen: 22.93 ng/ul
 RT: 19.95 min Scan# 2913
 Delta R.T. 0.00 min
 Lab File: BG019469.D
 Acq: 4 Nov 2015 1:51

Instrument :
 BNA_G
 ClientSampleId :
 BC770

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.8	4.3	6.5#
100	6.3	3.6	5.4#

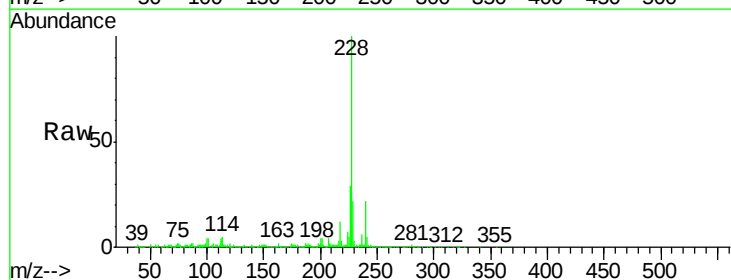


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

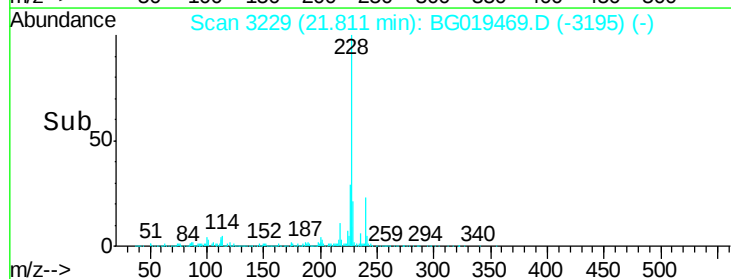
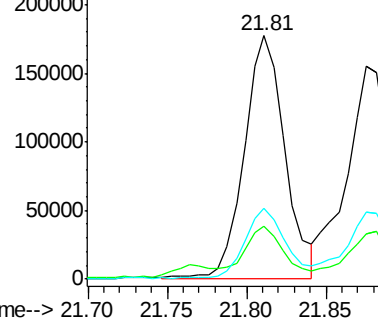


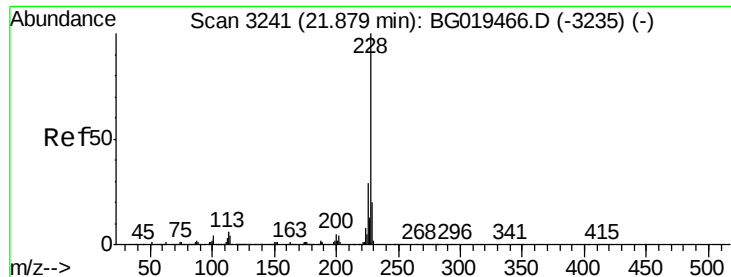
#83
 Benzo(a)anthracene
 Concen: 13.65 ng/ul
 RT: 21.81 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: BG019469.D
 Acq: 4 Nov 2015 1:51

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.9	15.8	23.8
226	29.0	21.8	32.6



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





#85

Chrysene

Concen: 13.35 ng/ul

RT: 21.88 min Scan# 3240

Delta R.T. -0.00 min

Lab File: BG019469.D

Acq: 4 Nov 2015 1:51

Instrument :

BNA_G

ClientSampleId :

BC770

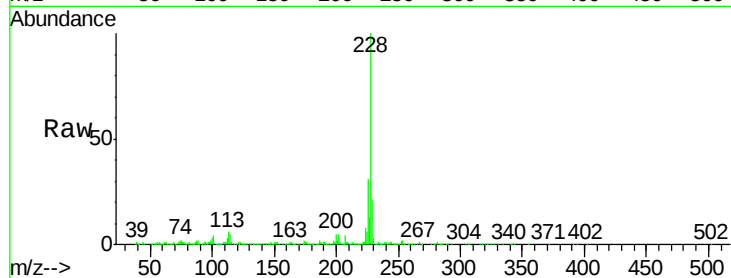
Tgt Ion: 228 Resp: 289035

Ion Ratio Lower Upper

228 100

226 31.4 24.6 36.8

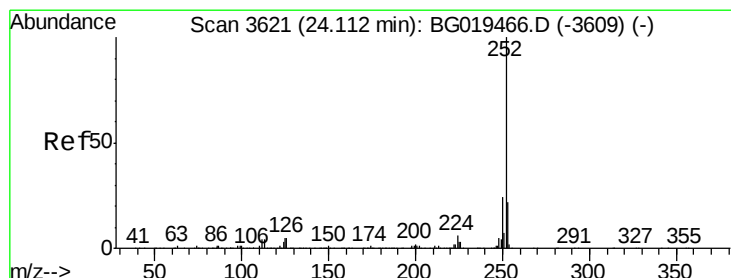
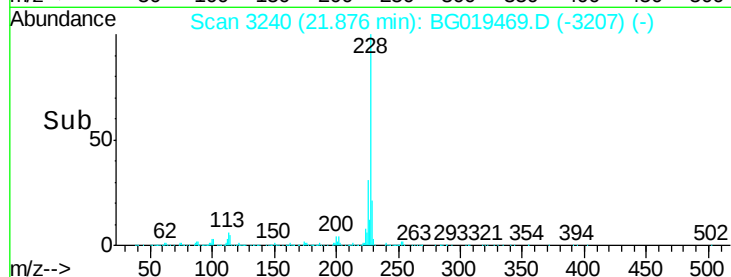
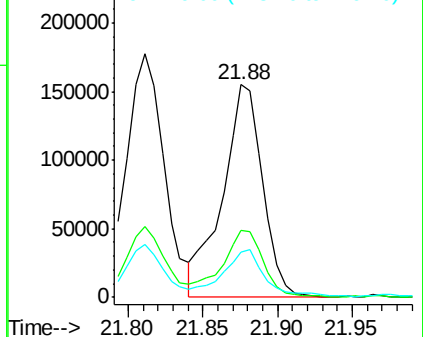
229 21.1 17.3 25.9



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: 16.77 ng/ul

RT: 24.11 min Scan# 3620

Delta R.T. -0.00 min

Lab File: BG019469.D

Acq: 4 Nov 2015 1:51

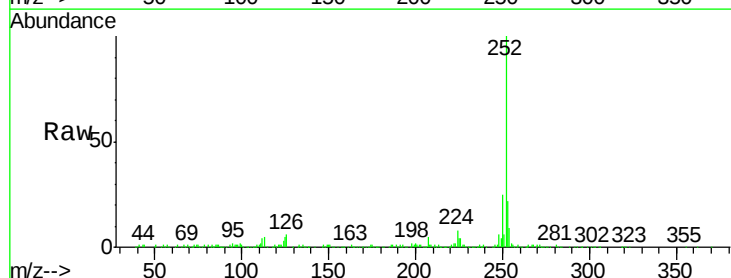
Tgt Ion: 252 Resp: 377895

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

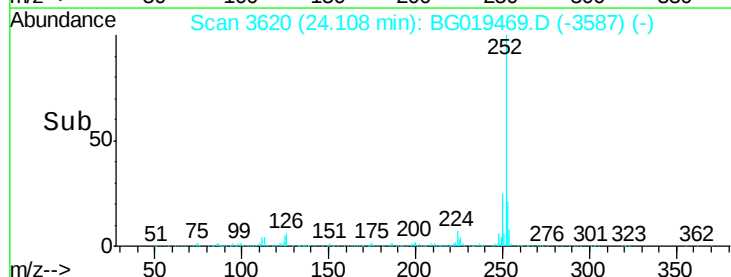
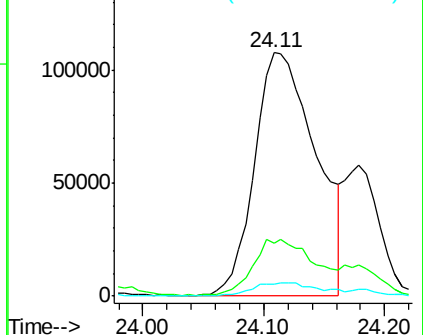
125 4.7 2.5 3.7#

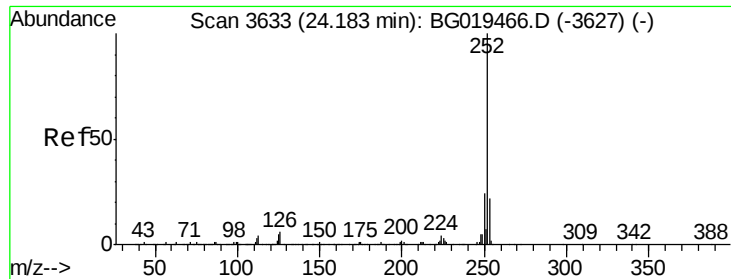


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

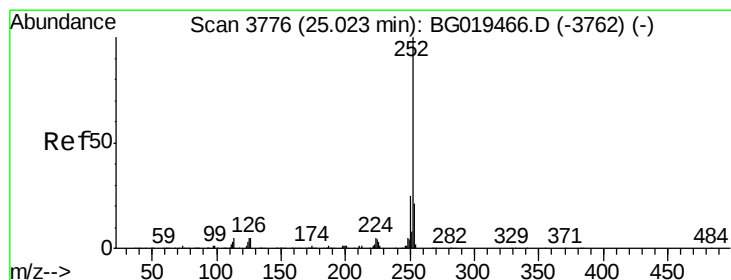
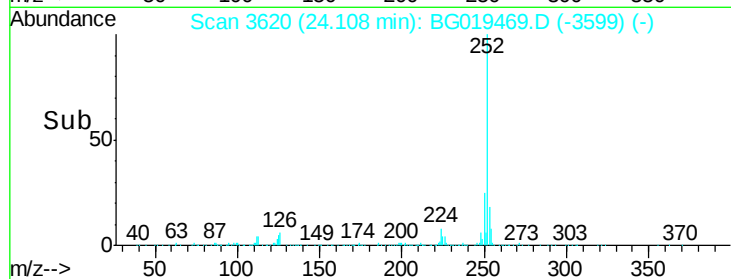
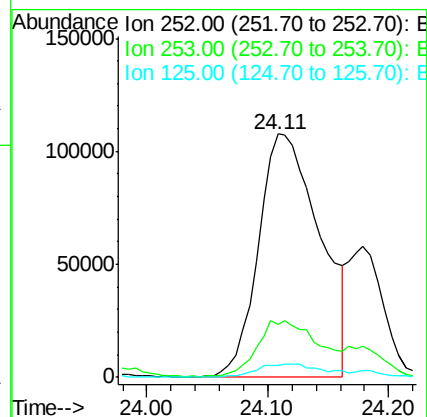
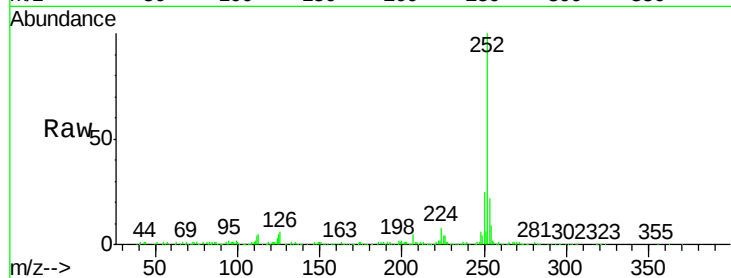




#89
Benzo(k)fluoranthene
Concen: 17.43 ng/ul
RT: 24.11 min Scan# 3620
Delta R.T. -0.07 min
Lab File: BG019469.D
Acq: 4 Nov 2015 1:51

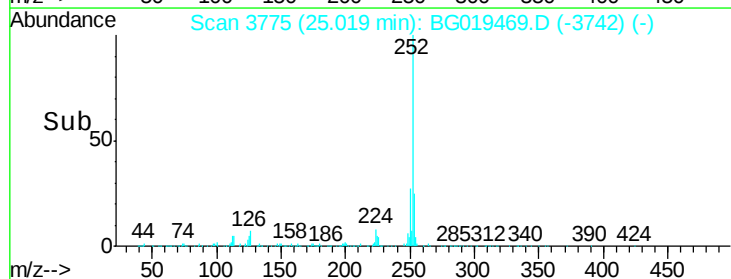
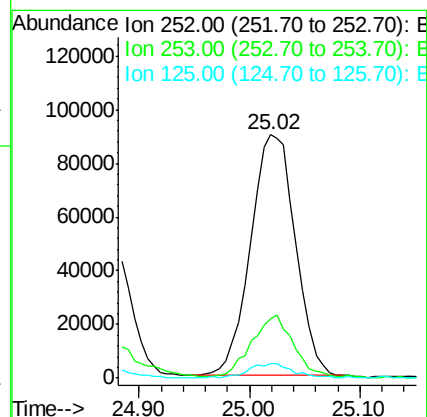
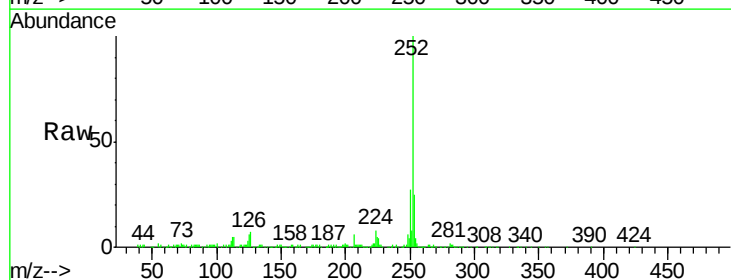
Instrument :
BNA_G
ClientSampleId :
BC770

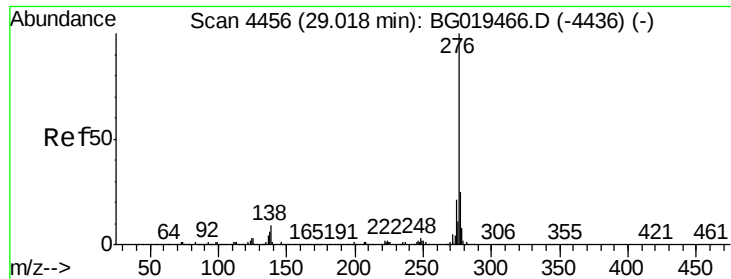
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	4.7	3.1	4.7#



#91
Benzo(a)pyrene
Concen: 11.77 ng/ul
RT: 25.02 min Scan# 3775
Delta R.T. -0.00 min
Lab File: BG019469.D
Acq: 4 Nov 2015 1:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	16.0	24.0#
125	5.9	3.3	4.9#





#92

Indeno(1,2,3-cd)pyrene

Concen: 3.96 ng/ul

RT: 29.01 min Scan# 4454

Delta R.T. -0.01 min

Lab File: BG019469.D

Acq: 4 Nov 2015 1:51

Instrument :

BNA_G

ClientSampleId :

BC770

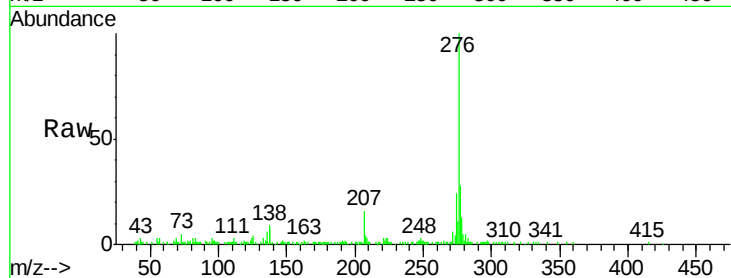
Tgt Ion:276 Resp: 96666

Ion Ratio Lower Upper

276 100

138 9.4 6.2 9.4#

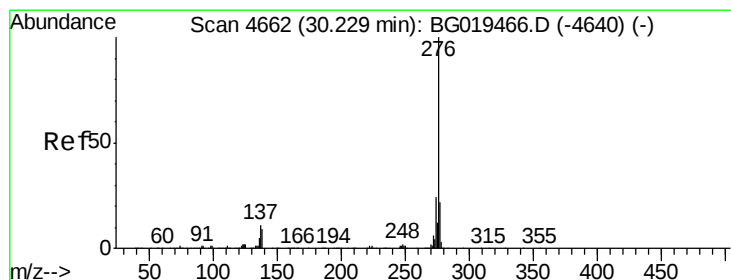
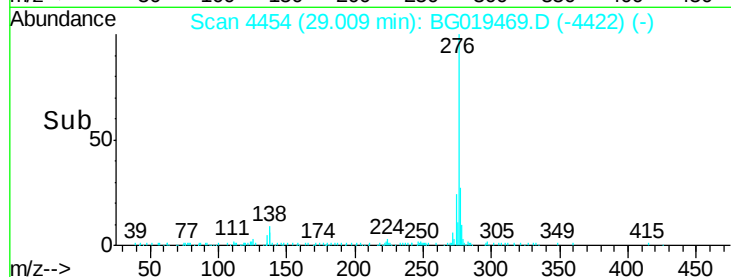
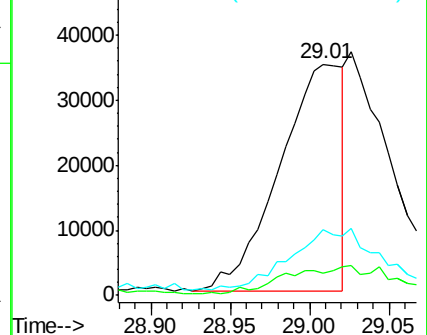
277 28.5 17.9 26.9#



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: 8.37 ng/ul

RT: 30.22 min Scan# 4660

Delta R.T. -0.01 min

Lab File: BG019469.D

Acq: 4 Nov 2015 1:51

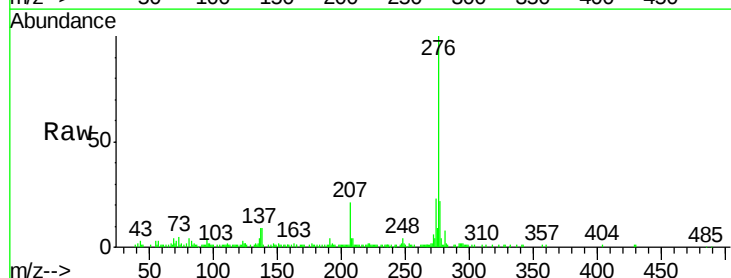
Tgt Ion:276 Resp: 154856

Ion Ratio Lower Upper

276 100

138 8.6 5.6 8.4#

277 22.2 16.0 24.0



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

