

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023672.D
 Acq On : 13 Aug 2016 1:22
 Operator : UM/SJ
 Sample : H4385-17
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P003-SS001-0002-01

Quant Time: Aug 13 03:24:00 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 03:19:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	110904	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	501643	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	363691	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.55	188	836586	20.00	ng/ul	-0.01
75) Chrysene-d12	21.88	240	843298	20.00	ng/ul	-0.02
83) Perylene-d12	25.30	264	862698	20.00	ng/ul	-0.03

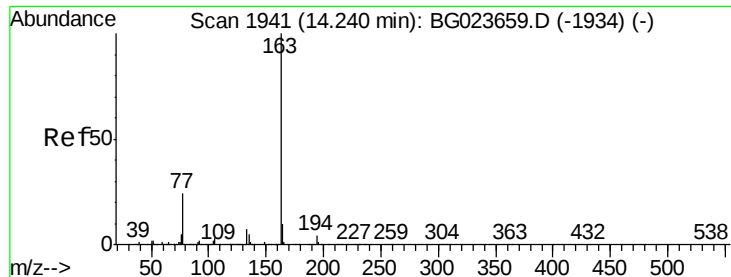
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	13184	5.05	ng/uL	0.00
5) Phenol-d5	7.27	99	321305	28.76	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	207704	29.02	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	227446	29.84	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	248011	28.44	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	120285	30.42	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.02	143	148592	32.72	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.57	165	275526	32.16	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.09	131	305589	30.41	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	976966	32.81	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	1129013	33.69	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.00	143	173581	34.15	ng/ul	-0.02
57) Fluorene-d10	15.79	176	891905	32.42	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.91	200	168657	31.42	ng/ul	-0.02
70) Anthracene-d10	17.65	188	1279193	33.94	ng/ul	-0.01
76) Pyrene-d10	19.95	212	1373584	32.18	ng/ul	-0.01
87) Benzo(a)pyrene-d12	25.06	264	1402104	35.91	ng/ul	-0.03

Target Compounds

						Qvalue
44) Dimethylphthalate	14.23	163	637419	21.62	ng/ul	99
47) Acenaphthylene	14.52	152	71296	2.03	ng/ul	95
49) Acenaphthene	14.85	153	39649	1.66	ng/ul	96
58) Fluorene	15.84	166	53663	1.82	ng/ul	97
69) Phenanthrene	17.60	178	977305	22.56	ng/ul	98
71) Anthracene	17.69	178	181900	4.11	ng/ul	98
72) Carbazole	17.96	167	89149	2.50	ng/ul	98
74) Fluoranthene	19.76	202	50753	1.14	ng/ul	97
77) Pyrene	19.98	202	1537389	29.49	ng/ul	94
80) Benzo(a)anthracene	21.86	228	794295	16.73	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.74	149	31396	1.18	ng/ul#	99
82) Chrysene	21.86	228	800052	18.53	ng/ul	96
85) Benzo(b)fluoranthene	24.47	252	91523	1.87	ng/ul	95
86) Benzo(k)fluoranthene	24.20	252	968340	20.05	ng/ul#	90
88) Benzo(a)pyrene	24.98	252	494408	10.44	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	29.21	276	470775	8.46	ng/ul#	85
90) Dibenzo(a,h)anthracene	29.26	278	72100	1.52	ng/ul	96
91) Benzo(g,h,i)perylene	30.44	276	470844	10.20	ng/ul#	82

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



#44

Dimethylphthalate

Concen: 21.62 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. -0.01 min

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Instrument :

BNA_G

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P003-SS001-0002-01

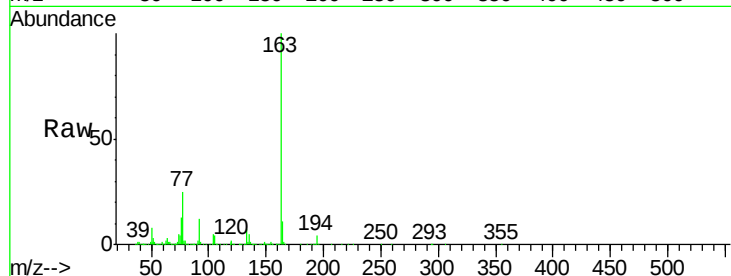
Tgt Ion:163 Resp: 637419

Ion Ratio Lower Upper

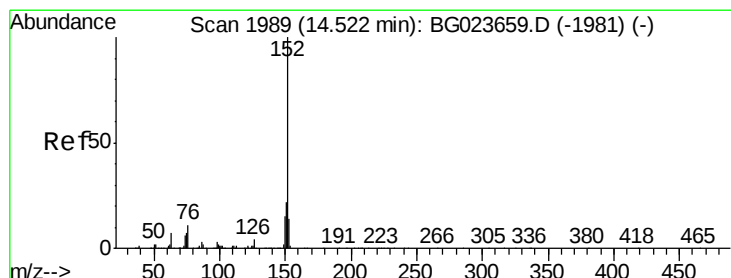
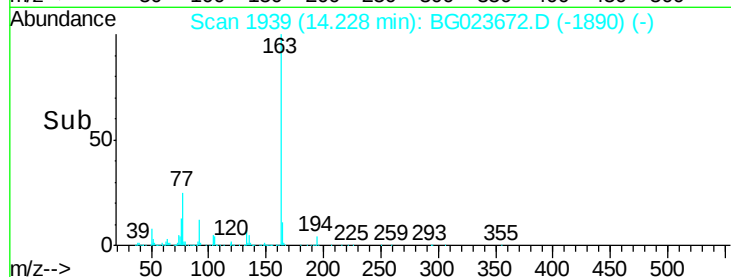
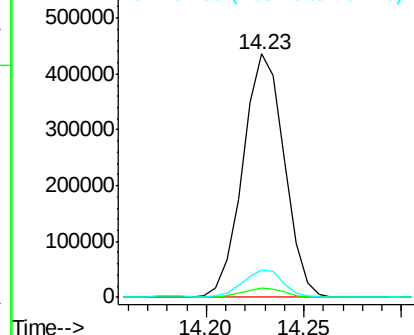
163 100

194 3.6 3.4 5.2

164 11.2 8.8 13.2



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



#47

Acenaphthylene

Concen: 2.03 ng/ul

RT: 14.52 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

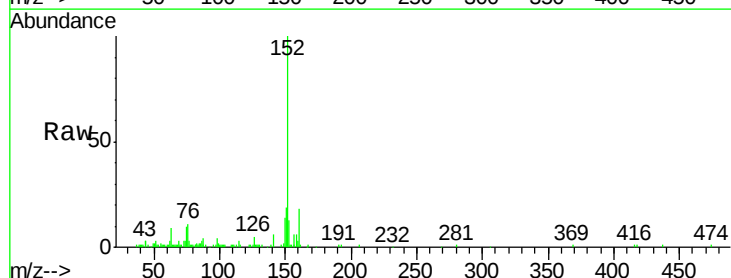
Tgt Ion:152 Resp: 71296

Ion Ratio Lower Upper

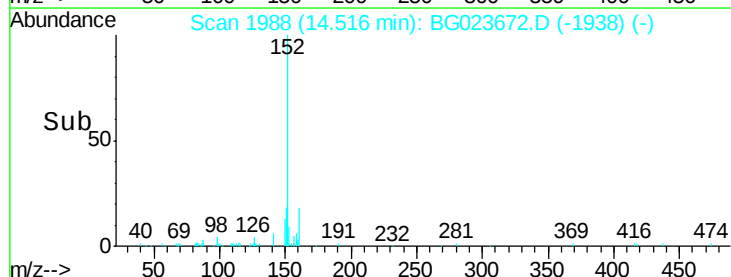
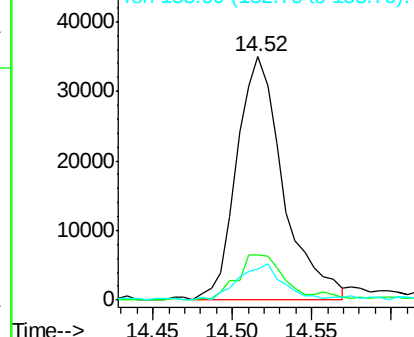
152 100

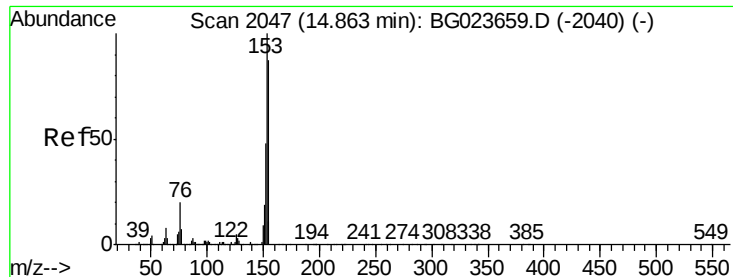
151 18.8 17.5 26.3

153 12.9 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 1.66 ng/ul

RT: 14.85 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

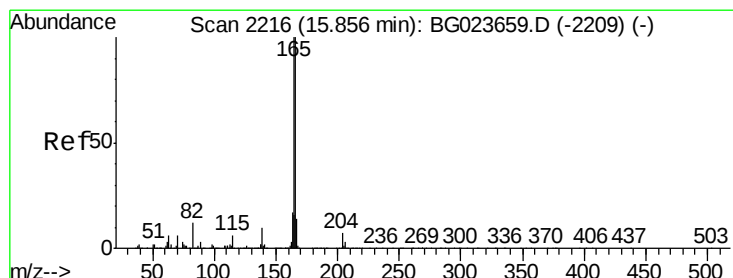
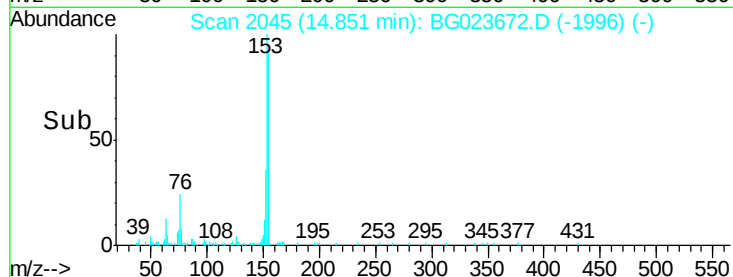
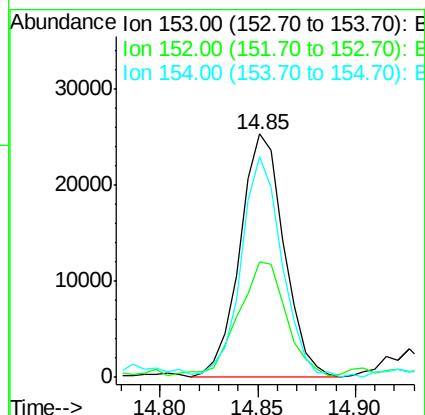
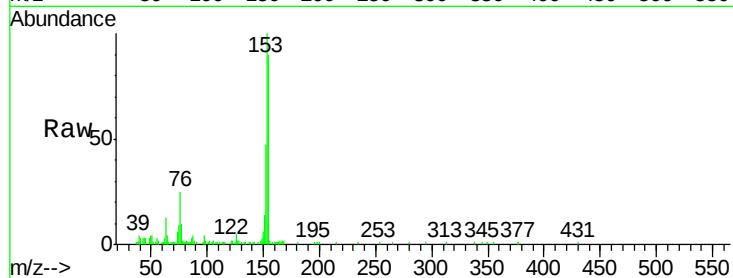
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P003-SS001-0002-01

Tgt Ion:	153	Resp:	39649
Ion	Ratio	Lower	Upper
153	100		
152	47.4	37.3	55.9
154	90.4	68.2	102.2



#58

Fluorene

Concen: 1.82 ng/ul

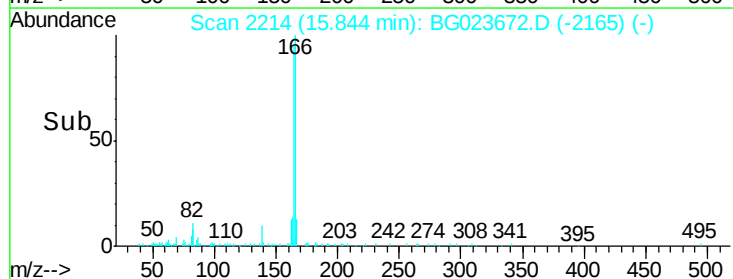
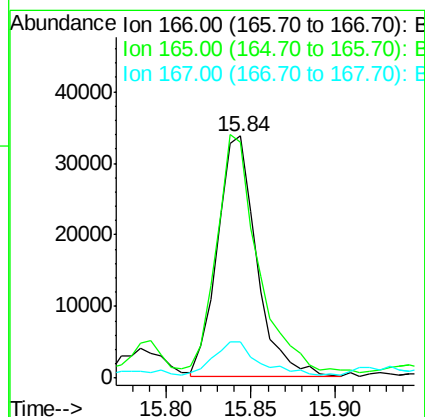
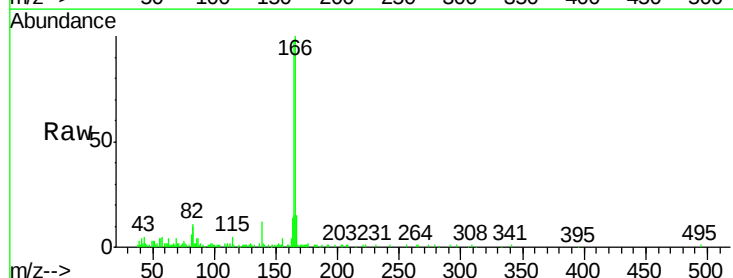
RT: 15.84 min Scan# 2214

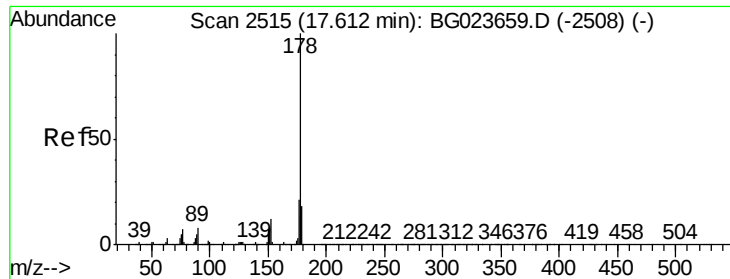
Delta R.T. -0.01 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

Tgt Ion:	166	Resp:	53663
Ion	Ratio	Lower	Upper
166	100		
165	97.8	80.3	120.5
167	15.0	10.3	15.5





#69

Phenanthrene

Concen: 22.56 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. -0.01 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

Instrument :

BNA_G

ClientSampleId :

P003-SS001-0002-01

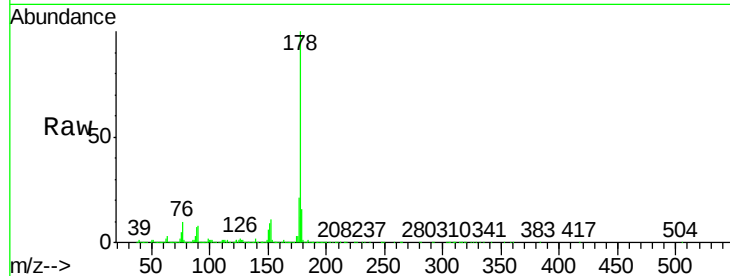
Tgt Ion:178 Resp: 977305

Ion Ratio Lower Upper

178 100

179 16.1 12.9 19.3

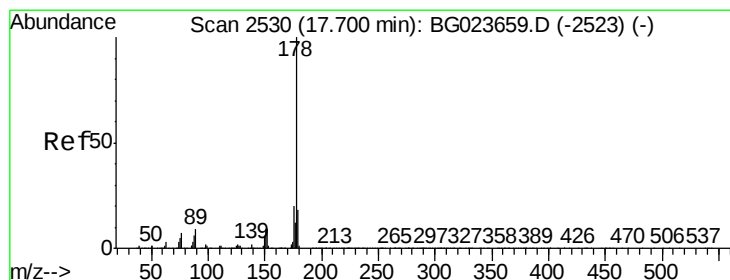
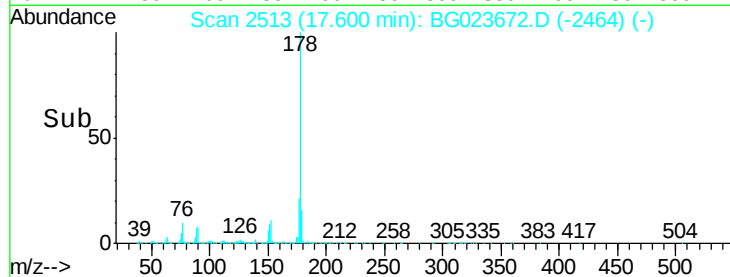
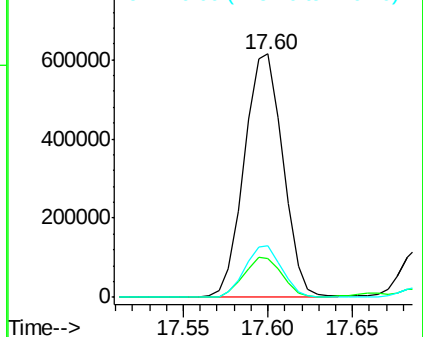
176 21.4 15.8 23.8



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



#71

Anthracene

Concen: 4.11 ng/ul

RT: 17.69 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

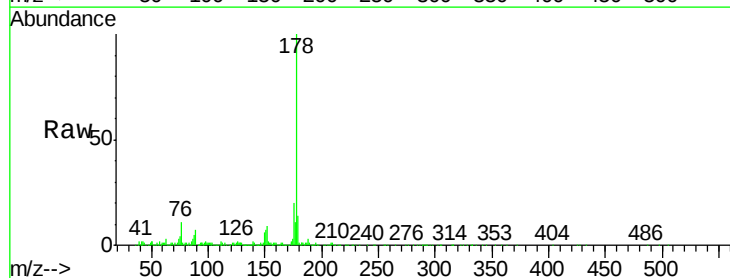
Tgt Ion:178 Resp: 181900

Ion Ratio Lower Upper

178 100

179 14.2 12.3 18.5

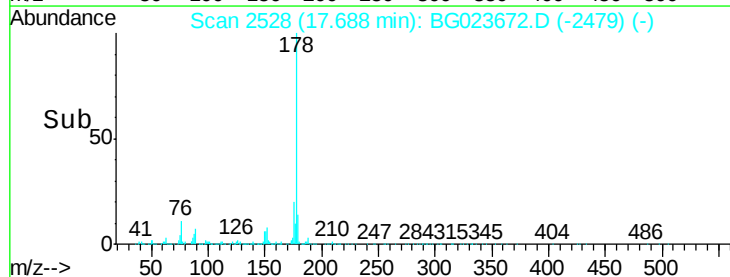
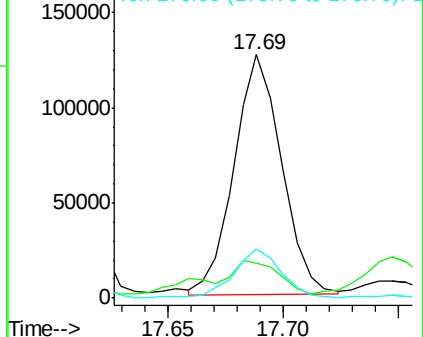
176 20.0 16.3 24.5

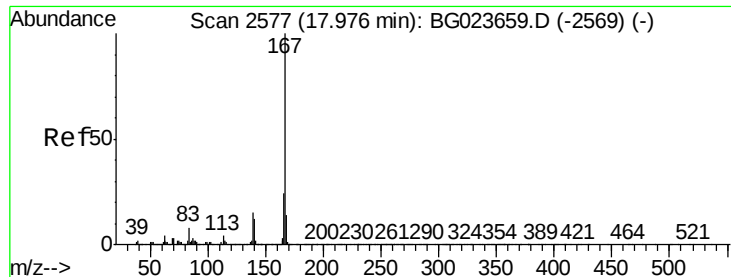


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.50 ng/ul

RT: 17.96 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

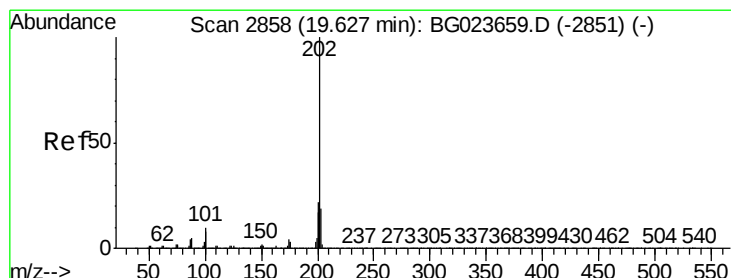
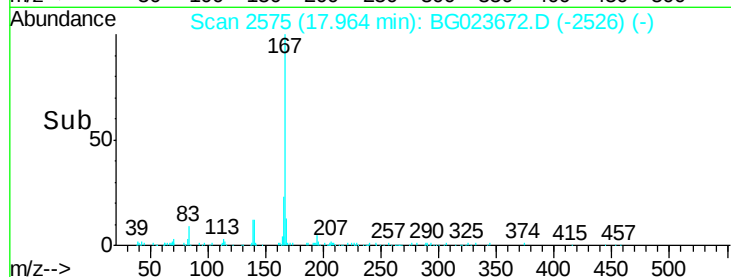
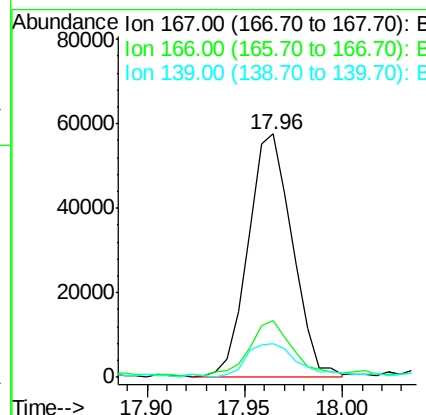
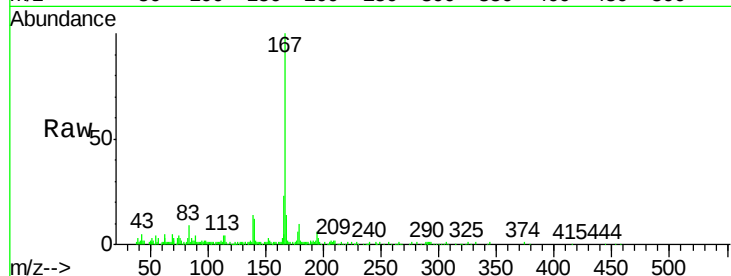
Instrument :

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P003-SS001-0002-01

Tgt Ion:	167	Resp:	89149
Ion Ratio	Lower	Upper	
167	100		
166	23.0	19.2	28.8
139	14.0	10.2	15.4



#74

Fluoranthene

Concen: 1.14 ng/ul

RT: 19.76 min Scan# 2881

Delta R.T. 0.14 min

Lab File: BG023672.D

Acq: 13 Aug 2016 1:22

Tgt Ion:	202	Resp:	50753
Ion Ratio	Lower	Upper	
202	100		
101	12.2	10.6	16.0
100	9.4	8.7	13.1

