

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
 Data File : BG018542.D
 Acq On : 29 Aug 2015 18:46
 Operator : UM/MA
 Sample : G3476-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BCTJ1

Quant Time: Aug 31 03:38:31 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 31 03:36:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	76048	20.00	ng/ul	0.00
18) Naphthalene-d8	10.82	136	369167	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.64	164	253490	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.38	188	636395	20.00	ng/ul	-0.01
78) Chrysene-d12	21.63	240	639319	20.00	ng/ul	-0.03
86) Perylene-d12	24.83	264	626281	20.00	ng/ul	-0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	8250	4.79	ng/uL	0.00
5) Phenol-d5	7.17	99	230161	33.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.33	67	131381	30.72	ng/ul	0.00
9) 2-Chlorophenol-d4	7.54	132	168044	31.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.71	113	189918	32.75	ng/ul	0.00
19) Nitrobenzene-d5	9.17	128	88743	30.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.89	143	102265	34.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.43	165	211210	33.96	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.95	131	170239	24.22	ng/ul	0.00
44) Dimethylphthalate-d6	14.04	166	683124	32.03	ng/ul	-0.01
47) Acenaphthylene-d8	14.33	160	865741	32.24	ng/ul	0.00
52) 4-Nitrophenol-d4	14.82	143	131029	34.16	ng/ul	-0.01
58) Fluorene-d10	15.63	176	621896	33.48	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.74	200	92209	29.46	ng/ul	-0.01
71) Anthracene-d10	17.48	188	997721	32.78	ng/ul	-0.01
79) Pyrene-d10	19.76	212	1059106	31.93	ng/ul	-0.02
90) Benzo(a)pyrene-d12	24.61	264	1091145	32.82	ng/ul	-0.06

Target Compounds

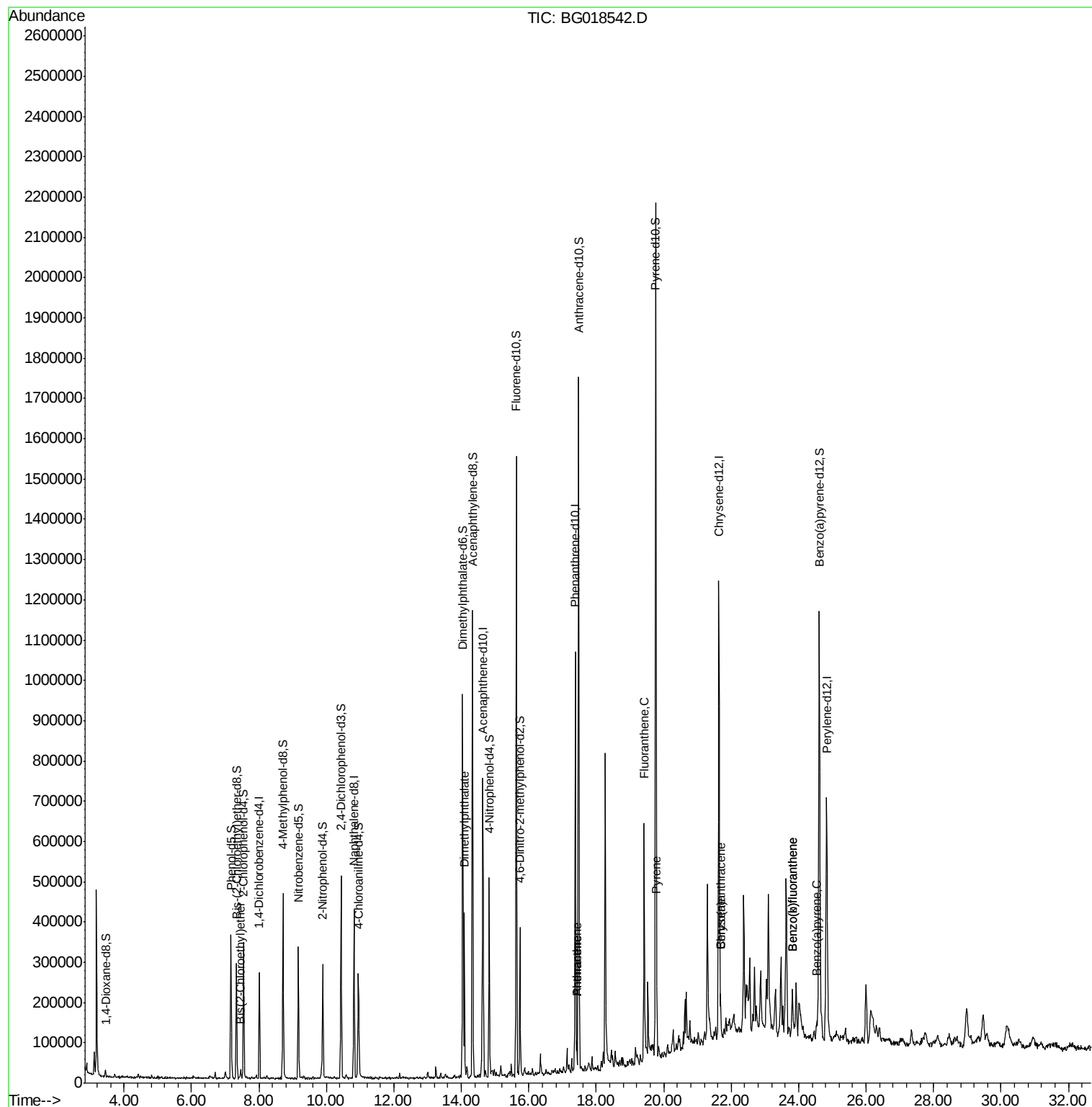
						Qvalue
8) Bis(2-Chloroethyl)ether	7.45	93	10924	2.02	ng/ul#	23
45) Dimethylphthalate	14.08	163	260764	12.40	ng/ul	99
70) Phenanthrene	17.42	178	42397	1.23	ng/ul	96
72) Anthracene	17.42	178	42397	1.20	ng/ul	98
77) Fluoranthene	19.43	202	116501	3.16	ng/ul	99
80) Pyrene	19.79	202	135011	3.12	ng/ul#	96
83) Benzo(a)anthracene	21.68	228	72610	1.83	ng/ul	94
85) Chrysene	21.68	228	72610	1.96	ng/ul	96
88) Benzo(b)fluoranthene	23.83	252	84716	2.15	ng/ul#	95
89) Benzo(k)fluoranthene	23.83	252	84716	2.24	ng/ul#	96
91) Benzo(a)pyrene	24.54	252	43531	1.16	ng/ul	96

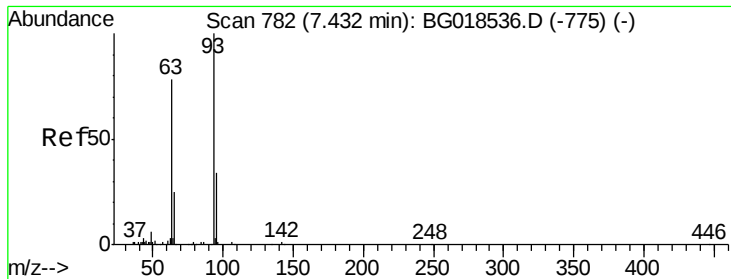
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Bis(2-Chloroethyl)ether

Concen: 2.02 ng/ul

RT: 7.45 min Scan# 785

Delta R.T. 0.02 min

Lab File: BG018542.D

Acq: 29 Aug 2015 18:46

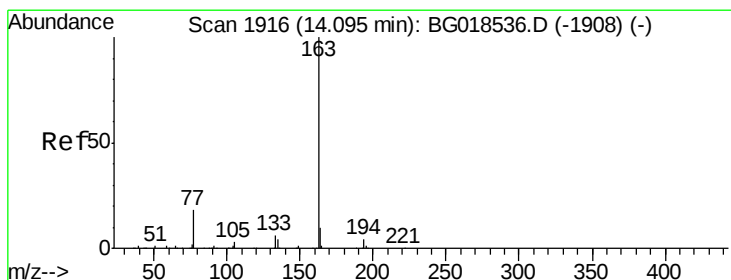
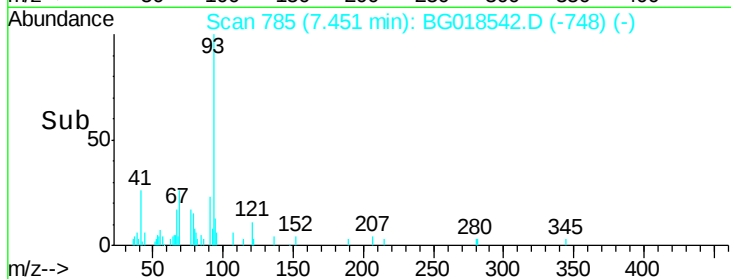
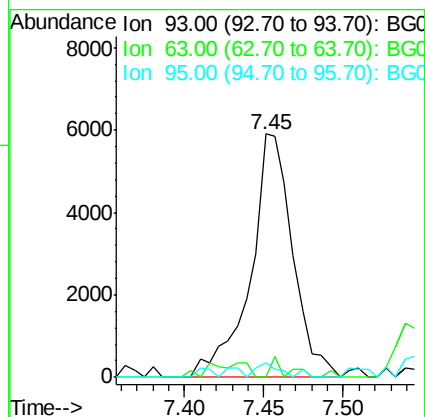
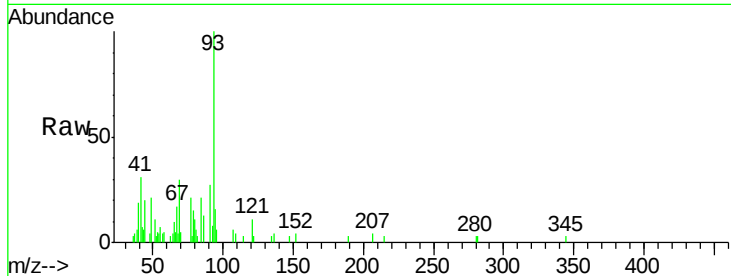
Instrument :

BNA_G

ClientSampleId :

BCTJ1

Tgt Ion:	93	Resp:	10924
Ion	Ratio	Lower	Upper
93	100		
63	0.0	61.4	92.2#
95	5.8	25.9	38.9#



#45

Dimethylphthalate

Concen: 12.40 ng/ul

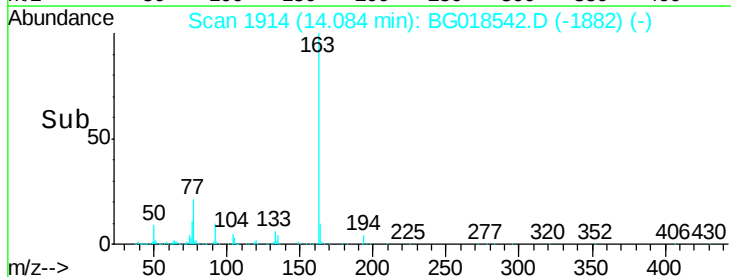
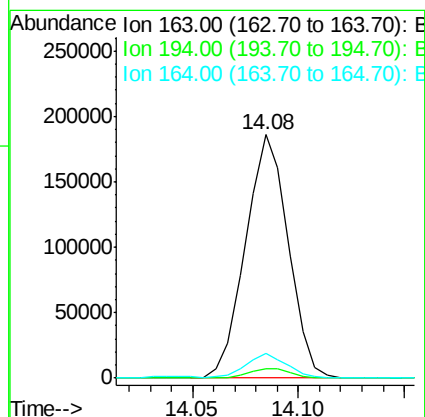
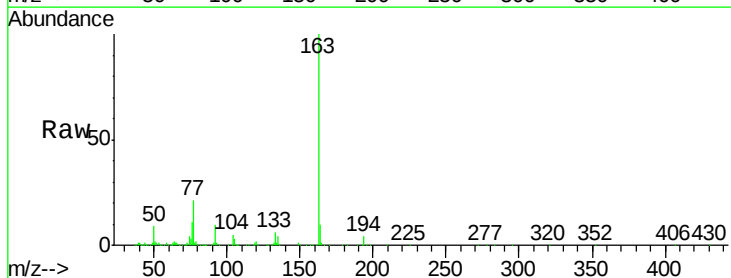
RT: 14.08 min Scan# 1914

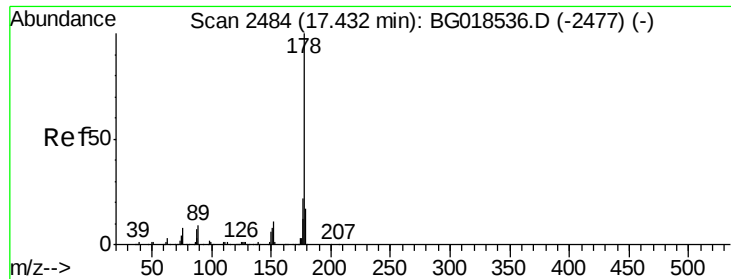
Delta R.T. -0.01 min

Lab File: BG018542.D

Acq: 29 Aug 2015 18:46

Tgt Ion:	163	Resp:	260764
Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.9	4.3
164	9.9	7.7	11.5





#70

Phenanthrene

Concen: 1.23 ng/ul

RT: 17.42 min Scan# 2482

Delta R.T. -0.01 min

Lab File: BG018542.D

Acq: 29 Aug 2015 18:46

Instrument :

BNA_G

ClientSampleId :

BCTJ1

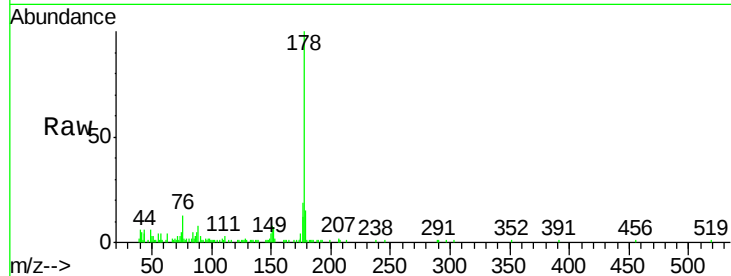
Tgt Ion:178 Resp: 42397

Ion Ratio Lower Upper

178 100

179 15.5 13.7 20.5

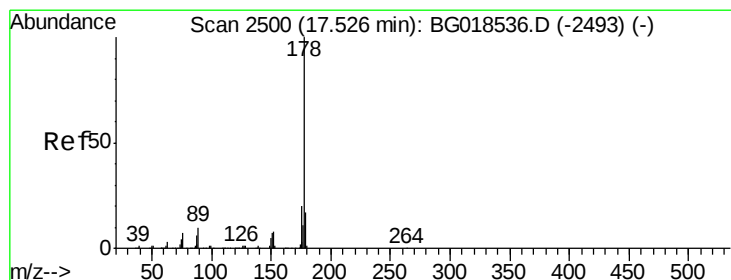
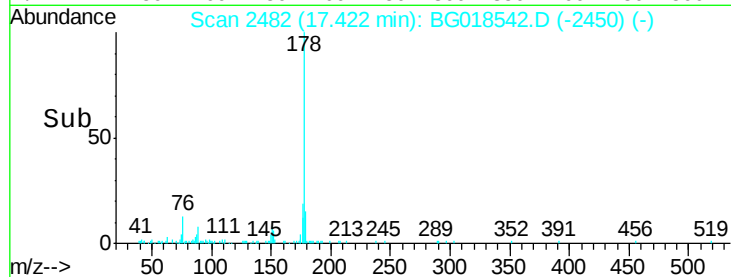
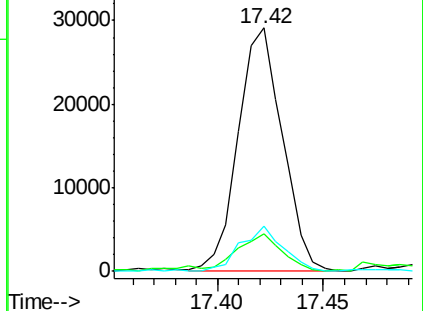
176 18.6 16.6 24.8



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



#72

Anthracene

Concen: 1.20 ng/ul

RT: 17.42 min Scan# 2482

Delta R.T. -0.10 min

Lab File: BG018542.D

Acq: 29 Aug 2015 18:46

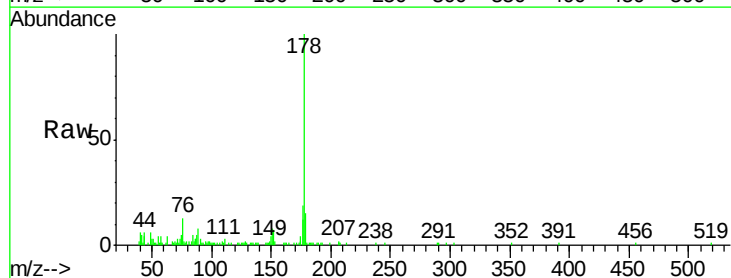
Tgt Ion:178 Resp: 42397

Ion Ratio Lower Upper

178 100

179 15.5 13.0 19.4

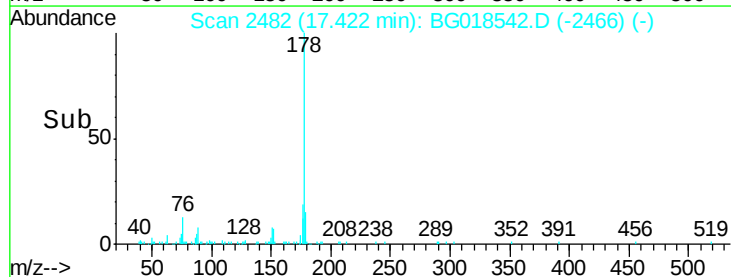
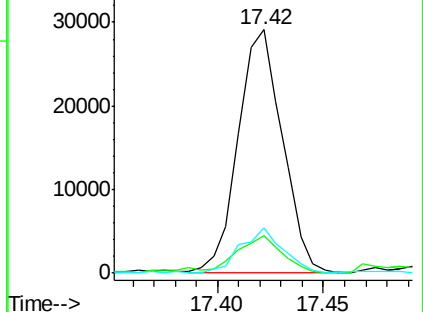
176 18.6 16.0 24.0

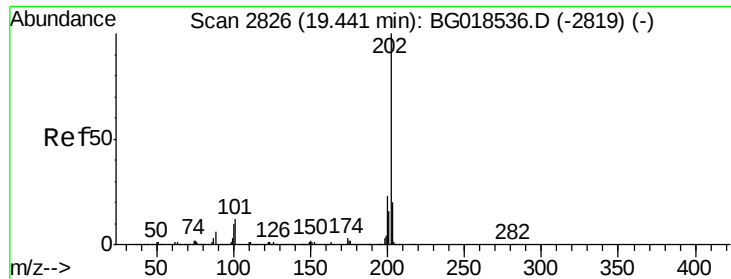


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#77

Fluoranthene

Concen: 3.16 ng/ul

RT: 19.43 min Scan# 2823

Delta R.T. -0.02 min

Lab File: BG018542.D

Acq: 29 Aug 2015 18:46

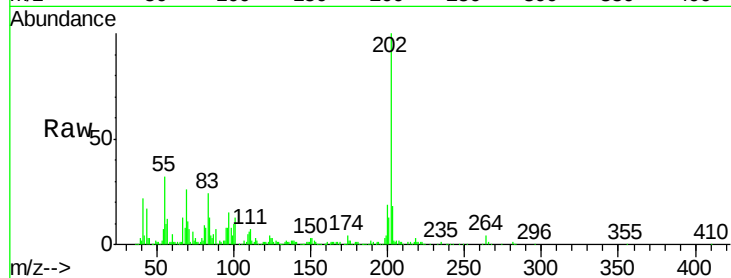
Instrument :

BNA_G

ClientSampleId :

BCTJ1

Tgt Ion:	202	Resp:	116501
Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.7	14.5
100	10.4	7.8	11.8

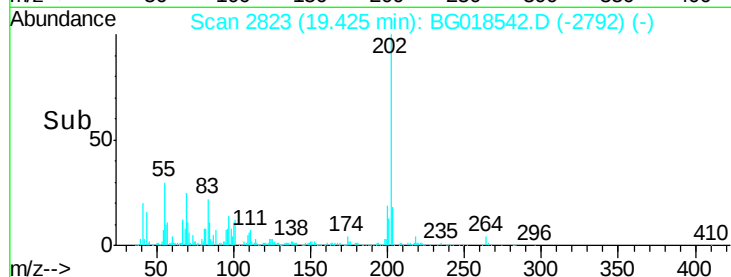


Abundance Ion 202.00 (201.70 to 202.70): E

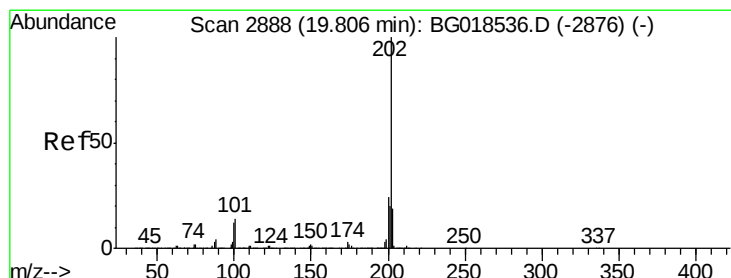
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->



Time-->



#80

Pyrene

Concen: 3.12 ng/ul

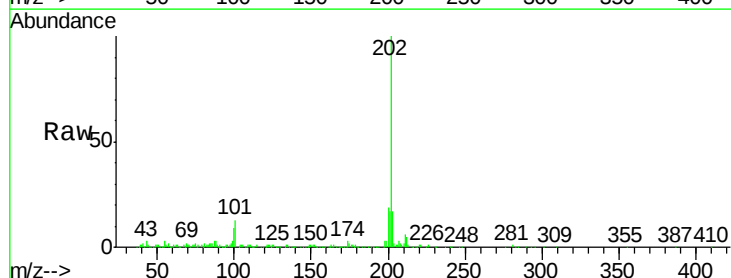
RT: 19.79 min Scan# 2885

Delta R.T. -0.02 min

Lab File: BG018542.D

Acq: 29 Aug 2015 18:46

Tgt Ion:	202	Resp:	135011
Ion	Ratio	Lower	Upper
202	100		
101	13.3	11.0	16.4
100	9.4	9.8	14.6#

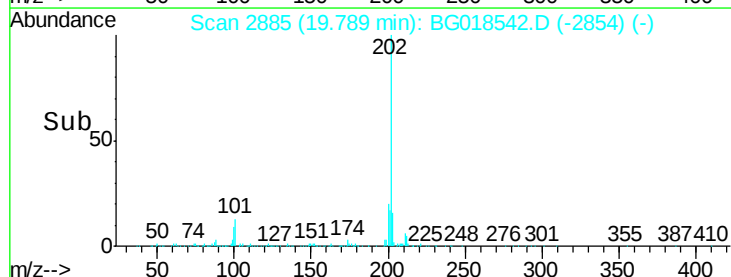


Abundance Ion 202.00 (201.70 to 202.70): E

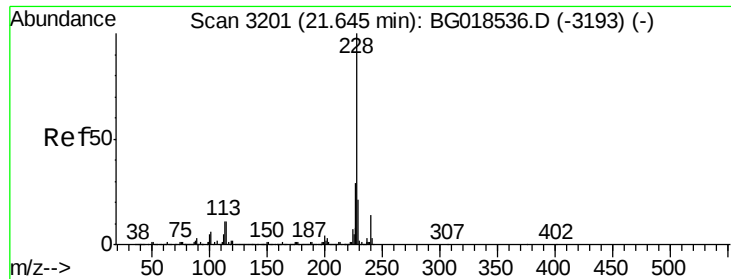
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->



Time-->



#83

Benzo(a)anthracene

Concen: 1.83 ng/ul

RT: 21.68 min Scan# 3207

Delta R.T. 0.04 min

Lab File: BG018542.D

Acq: 29 Aug 2015 18:46

Instrument :

BNA_G

ClientSampleId :

BCTJ1

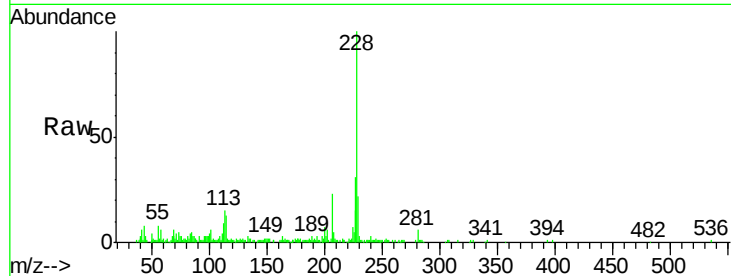
Tgt Ion:228 Resp: 72610

Ion Ratio Lower Upper

228 100

229 22.4 15.5 23.3

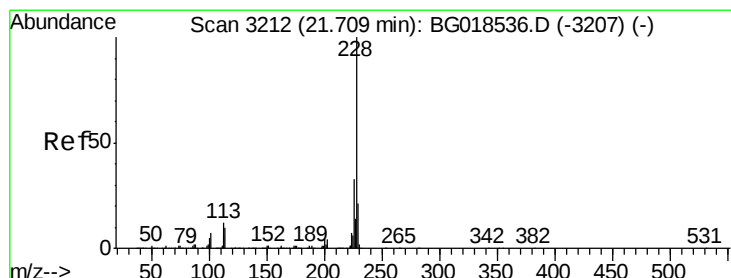
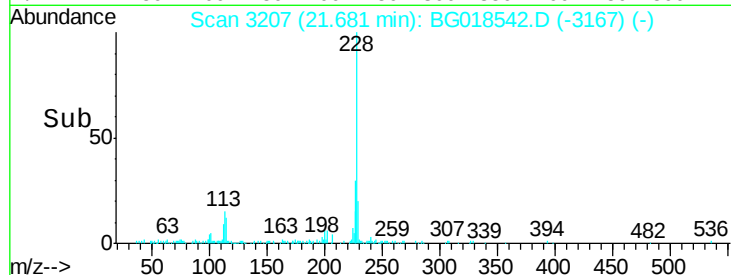
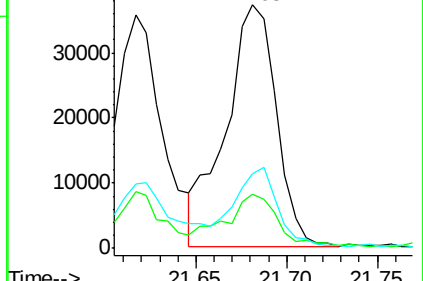
226 30.6 22.1 33.1



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: 1.96 ng/ul

RT: 21.68 min Scan# 3207

Delta R.T. -0.03 min

Lab File: BG018542.D

Acq: 29 Aug 2015 18:46

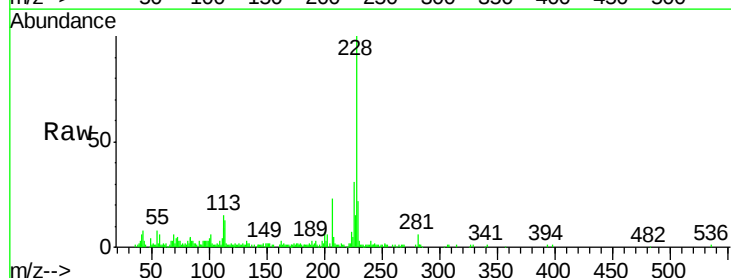
Tgt Ion:228 Resp: 72610

Ion Ratio Lower Upper

228 100

226 30.6 26.5 39.7

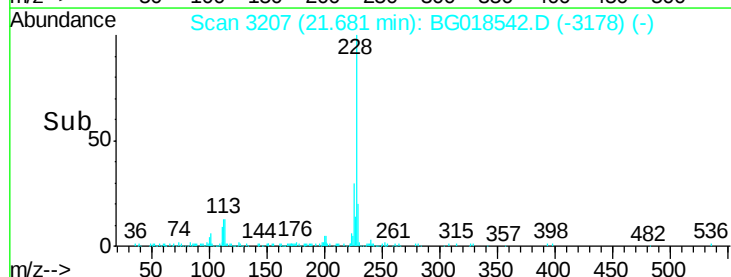
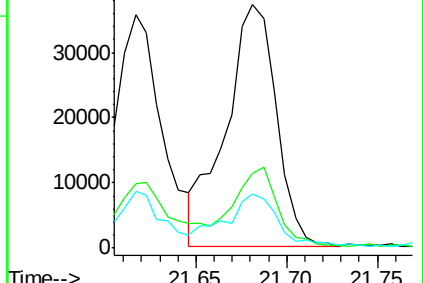
229 22.4 16.9 25.3

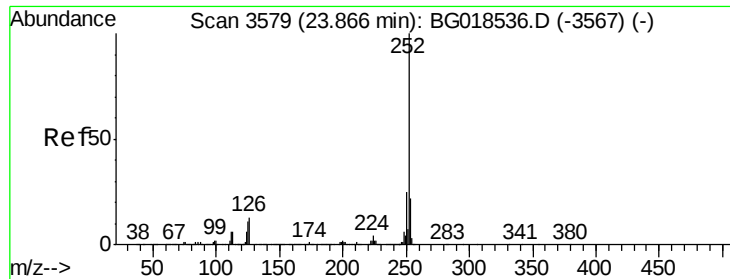


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 2.15 ng/ul

RT: 23.83 min Scan# 3572

Delta R.T. -0.04 min

Lab File: BG018542.D

Acq: 29 Aug 2015 18:46

Instrument :

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ClientSampleId :

BCTJ1

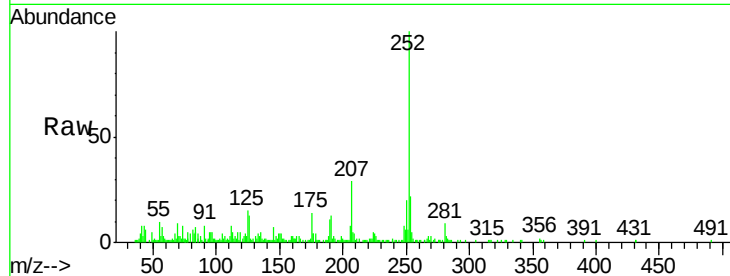
Tgt Ion:252 Resp: 84716

Ion Ratio Lower Upper

252 100

253 21.8 18.1 27.1

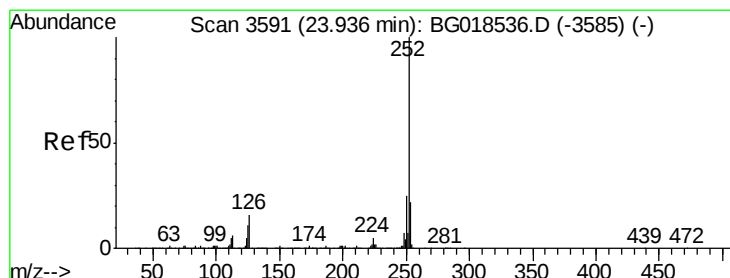
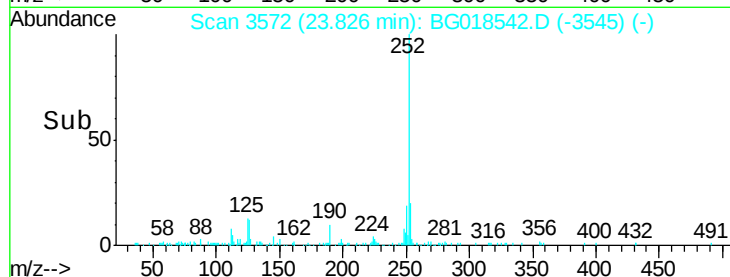
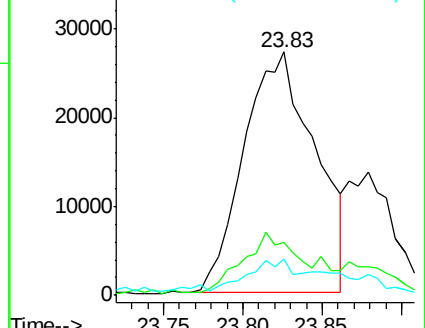
125 14.6 8.3 12.5#



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: 2.24 ng/ul

RT: 23.83 min Scan# 3572

Delta R.T. -0.11 min

Lab File: BG018542.D

Acq: 29 Aug 2015 18:46

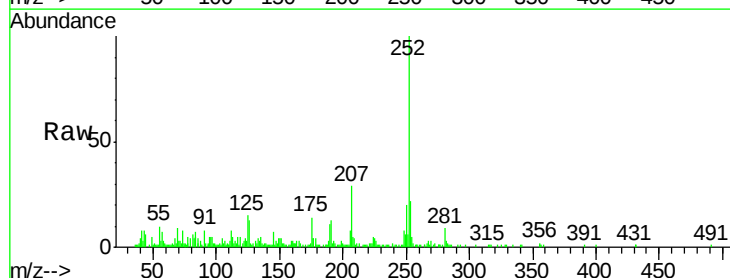
Tgt Ion:252 Resp: 84716

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

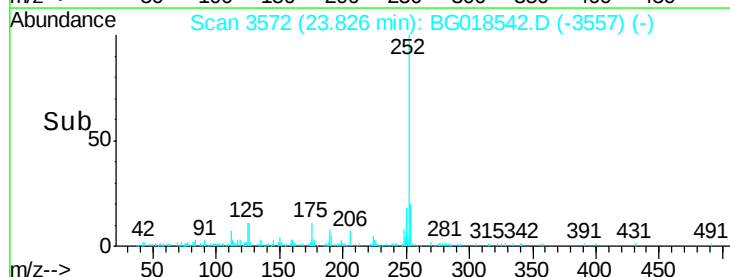
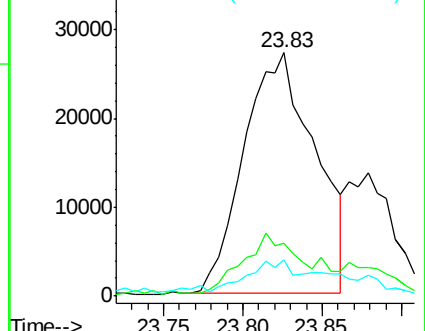
125 14.6 9.0 13.4#

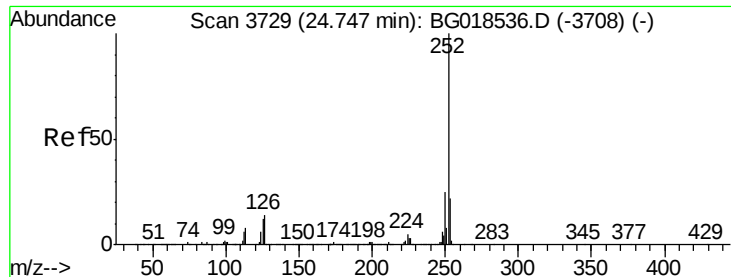


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 1.16 ng/ul

RT: 24.54 min Scan# 3693

Delta R.T. -0.21 min

Lab File: BG018542.D

Acq: 29 Aug 2015 18:46

Instrument :

BNA_G

ClientSampleId :

BCTJ1

Tgt Ion:252 Resp: 43531

Ion Ratio Lower Upper

252 100

253 19.5 17.7 26.5

125 12.1 10.2 15.2

