

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
 Data File : BG020752.D
 Acq On : 15 Jan 2016 14:43
 Operator : SJ/IZ
 Sample : H1101-14 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC9F5

Manual Integrations
 APPROVED

Sohil
 1/16/2016 3:03:15 AM

Quant Time: Jan 15 23:53:26 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	17110	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	73199	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	53326	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	130437	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	153162	20.00	ng/ul	0.00
86) Perylene-d12	24.95	264	144359	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	2191	1.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	1386	1.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	1884	1.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	1497	1.21	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	864	1.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	914m	1.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	2023	1.58	ng/ul	0.01
29) 4-Chloroaniline-d4	11.02	131	1238	0.98	ng/ul	0.02
44) Dimethylphthalate-d6	14.08	166	8445	1.81	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	9897	1.89	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.67	176	8767	2.11	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.53	188	12663	1.98	ng/ul	0.00
79) Pyrene-d10	19.81	212	15017	2.06	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.72	264	15618	2.03	ng/ul	0.00

Target Compounds

						Qvalue
70) Phenanthrene	17.47	178	31539	4.06	ng/ul	97
77) Fluoranthene	19.48	202	66933	7.09	ng/ul	100
80) Pyrene	19.84	202	72989	7.52	ng/ul	98
83) Benzo(a)anthracene	21.69	228	38124	3.99	ng/ul	98
85) Chrysene	21.75	228	40239	4.45	ng/ul	97
88) Benzo(b)fluoranthene	23.92	252	41484	4.46	ng/ul	98
89) Benzo(k)fluoranthene	23.98	252	16377m	1.78	ng/ul	
91) Benzo(a)pyrene	24.80	252	34537	3.86	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.68	276	21799m	2.06	ng/ul	
94) Benzo(g,h,i)perylene	29.83	276	20877m	2.40	ng/ul	

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

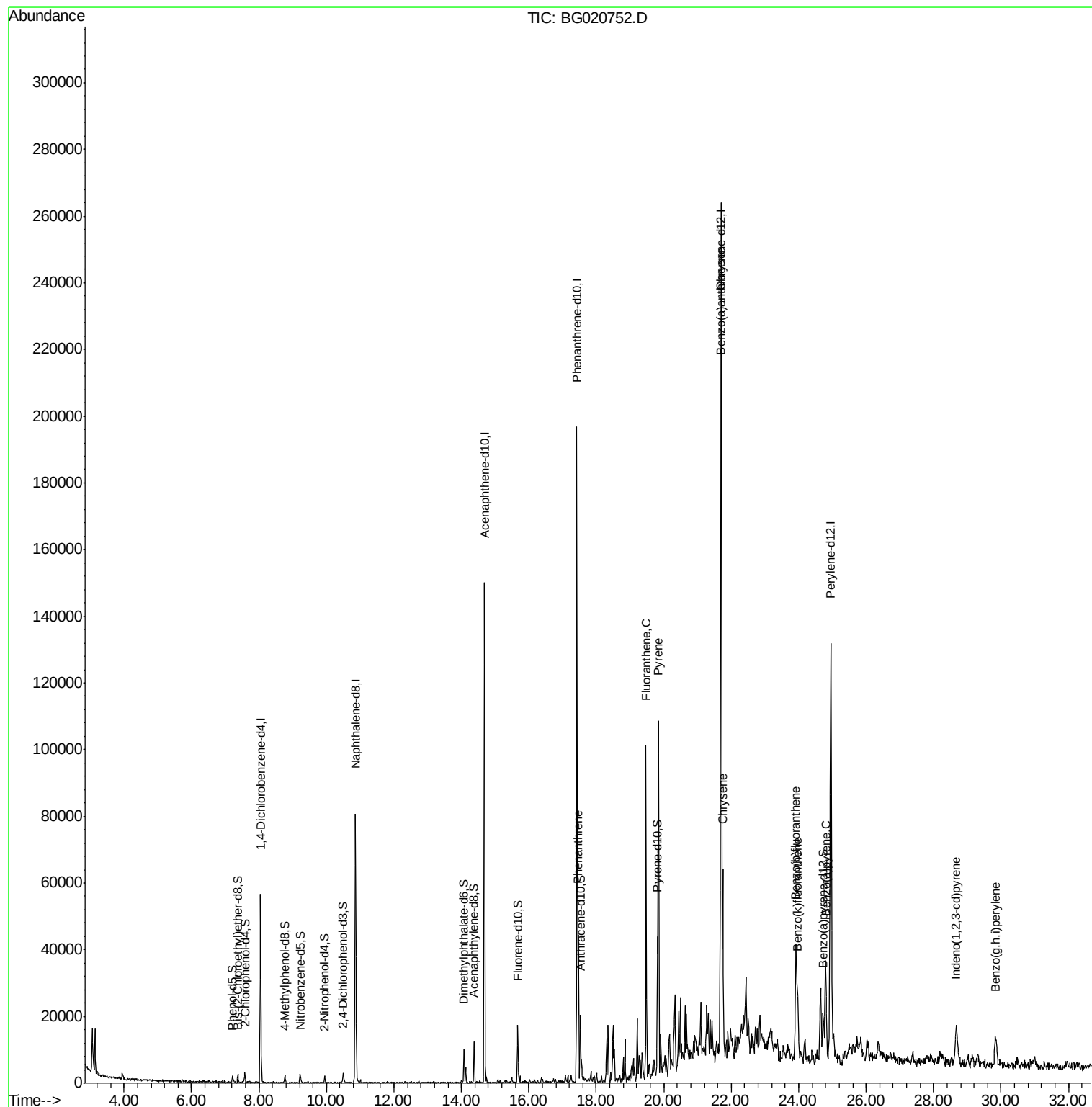
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
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ALS Vial : 22 Sample Multiplier: 1

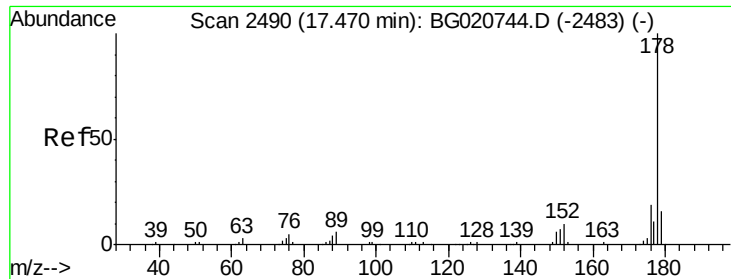
Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 15 22:12:27 2016
Response via : Initial Calibration





#70

Phenanthrene

Concen: 4.06 ng/ul

RT: 17.47 min Scan# 2491

Delta R.T. 0.00 min

Lab File: BG020752.D

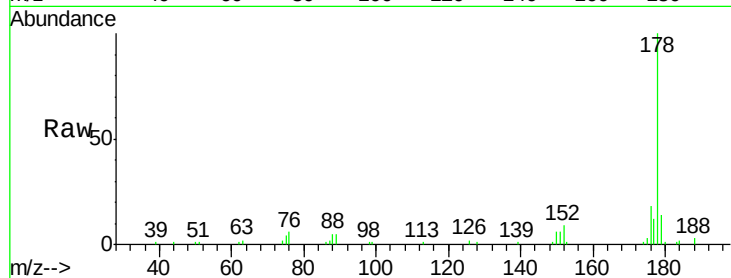
Acq: 15 Jan 2016 14:43

Instrument :

BNA_G

ClientSampled :

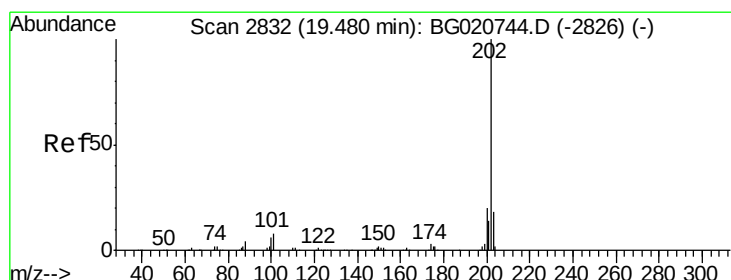
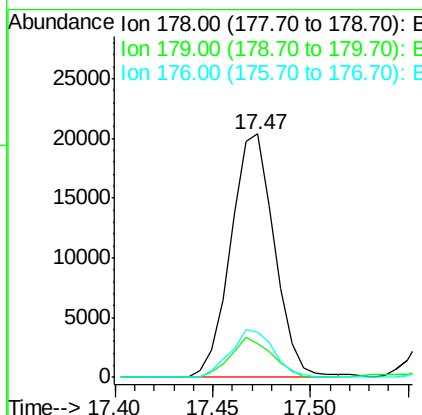
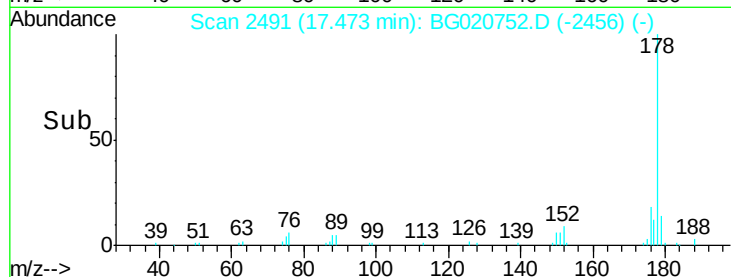
BC9F5



Tgt Ion	Ratio	Lower	Upper
178	100		
179	13.6	12.3	18.5
176	18.5	15.4	23.0

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#77

Fluoranthene

Concen: 7.09 ng/ul

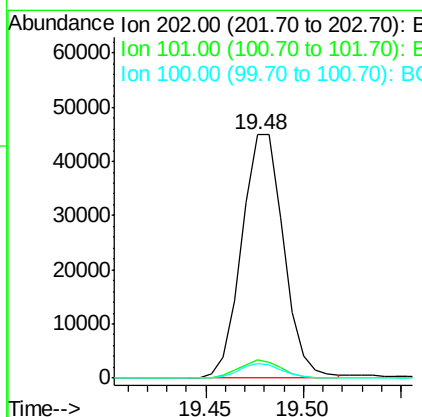
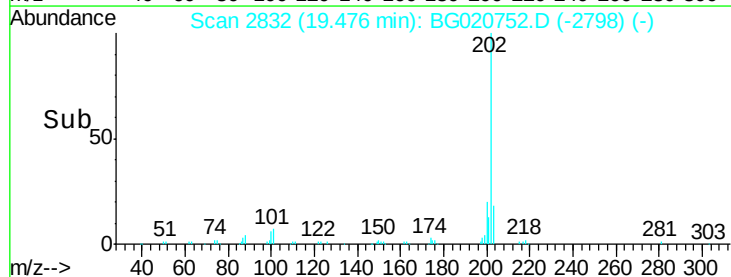
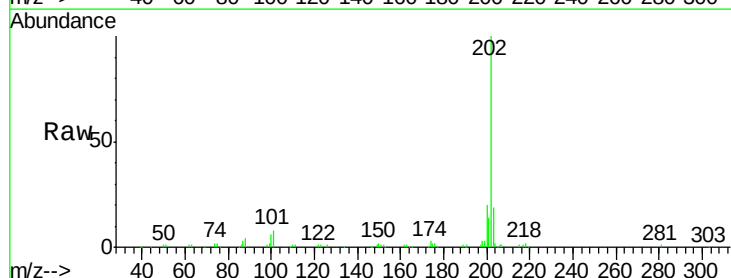
RT: 19.48 min Scan# 2832

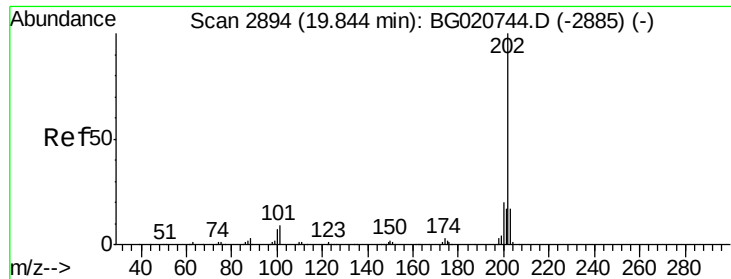
Delta R.T. -0.00 min

Lab File: BG020752.D

Acq: 15 Jan 2016 14:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.1	9.1
100	5.9	4.6	7.0





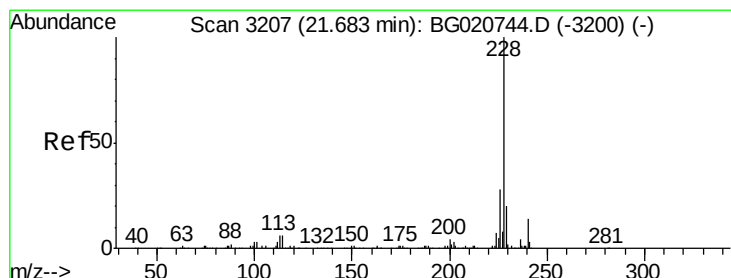
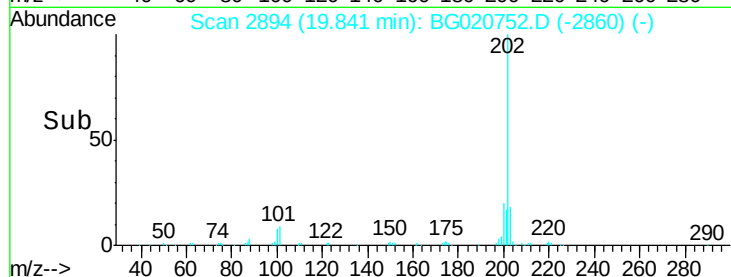
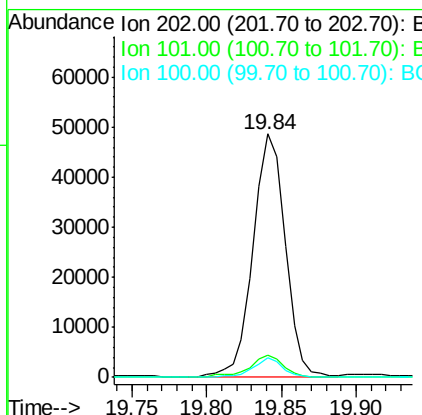
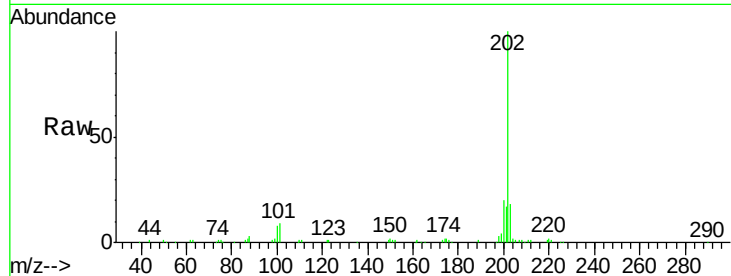
#80
 Pyrene
 Concen: 7.52 ng/ul
 RT: 19.84 min Scan# 2894
 Delta R.T. -0.00 min
 Lab File: BG020752.D
 Acq: 15 Jan 2016 14:43

Instrument :
 BNA_G
 ClientSampleId :
 BC9F5

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	72989		
101	9.2		6.9	10.3
100	8.1		5.6	8.4

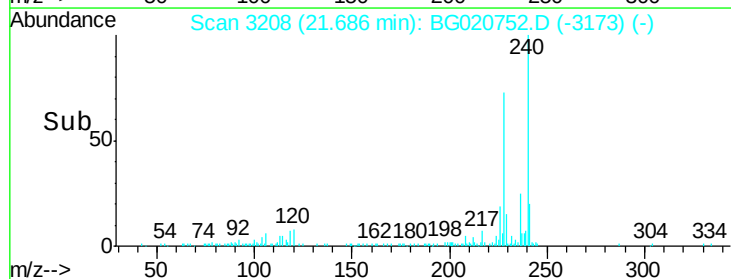
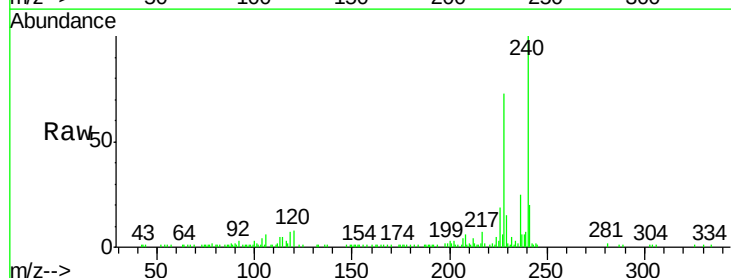
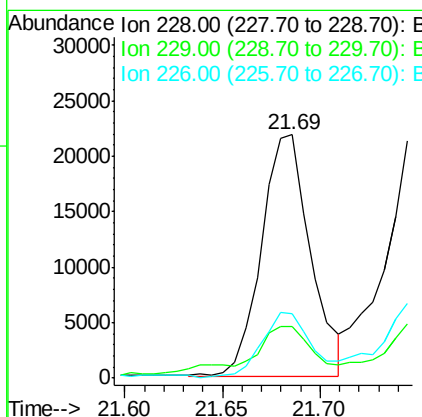
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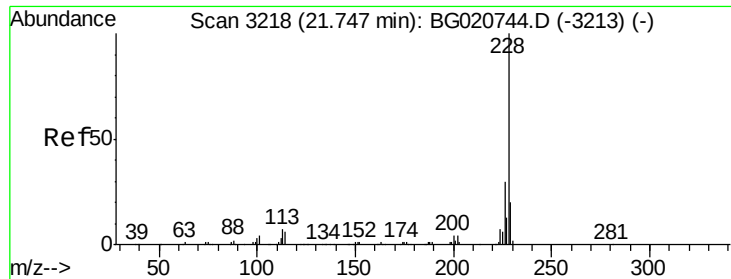
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#83
 Benzo(a)anthracene
 Concen: 3.99 ng/ul
 RT: 21.69 min Scan# 3208
 Delta R.T. 0.00 min
 Lab File: BG020752.D
 Acq: 15 Jan 2016 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	38124		
229	21.0		16.0	24.0
226	26.3		21.8	32.8





#85

Chrysene

Concen: 4.45 ng/ul

RT: 21.75 min Scan# 3219

Delta R.T. 0.00 min

Lab File: BG020752.D

Acq: 15 Jan 2016 14:43

Instrument :

BNA_G

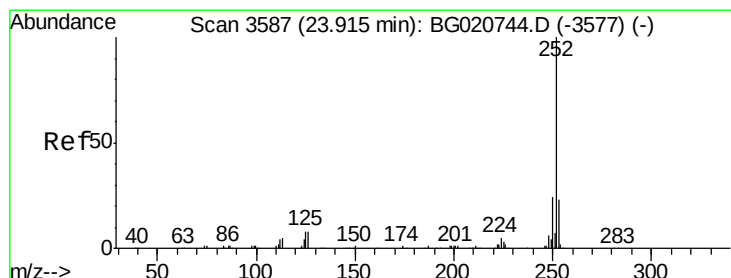
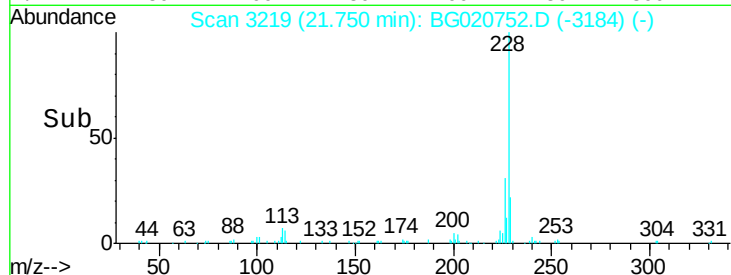
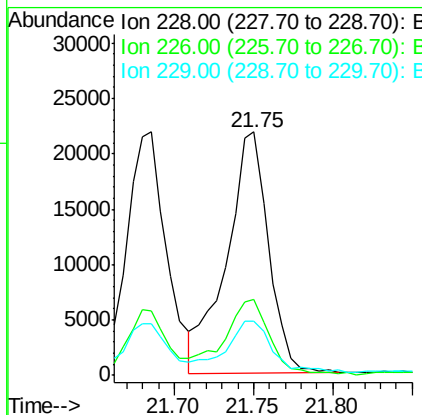
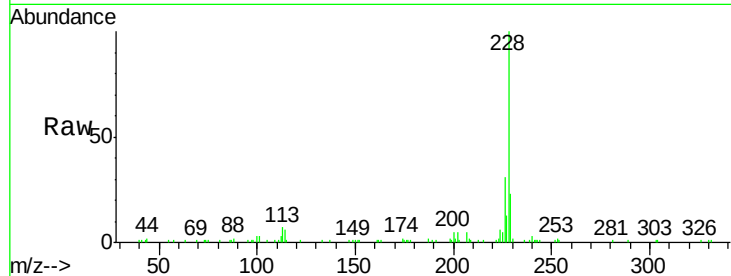
ClientSampleId :

BC9F5

Tgt Ion:	228	Resp:	40239
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.1	36.1
229	22.5	16.0	24.0

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#88

Benzo(b)fluoranthene

Concen: 4.46 ng/ul

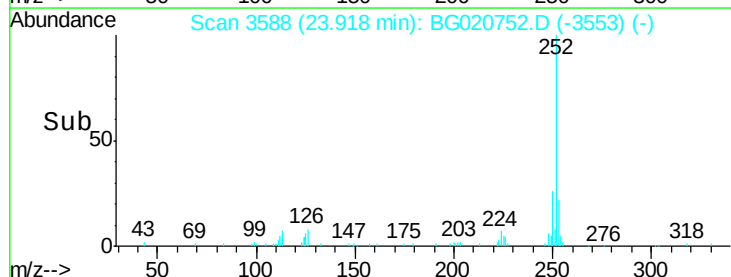
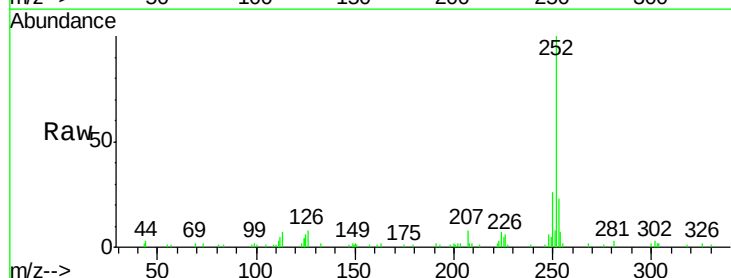
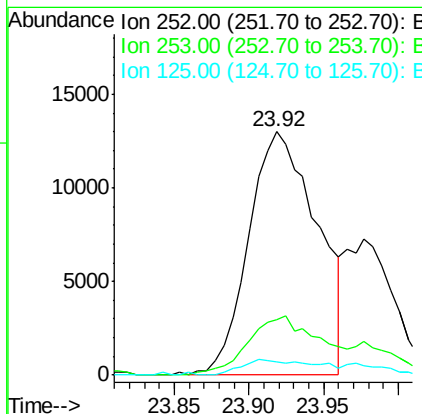
RT: 23.92 min Scan# 3588

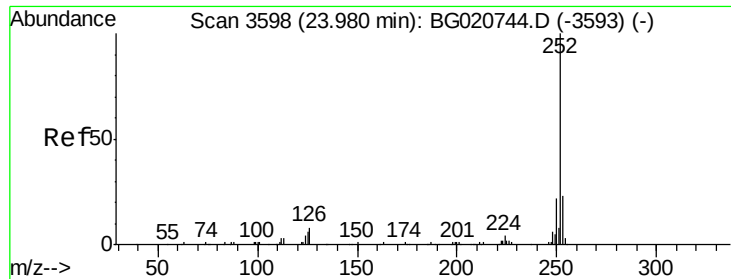
Delta R.T. 0.00 min

Lab File: BG020752.D

Acq: 15 Jan 2016 14:43

Tgt Ion:	252	Resp:	41484
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.0
125	5.6	4.9	7.3





#89

Benzo(k)fluoranthene

Concen: 1.78 ng/ul m

RT: 23.98 min Scan# 3598

Delta R.T. -0.00 min

Lab File: BG020752.D

Acq: 15 Jan 2016 14:43

Instrument :

BNA_G

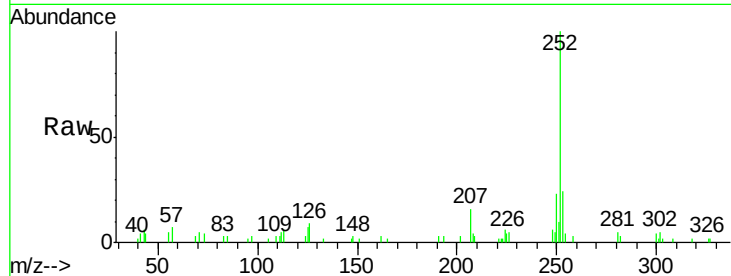
ClientSampled :

BC9F5

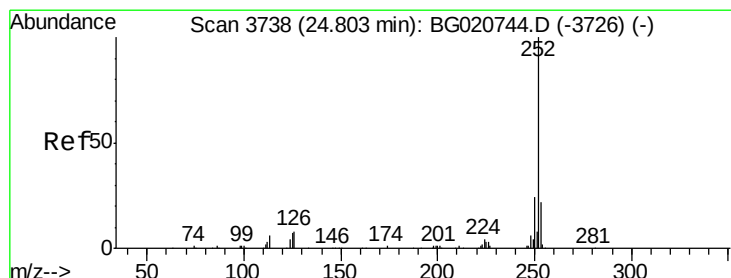
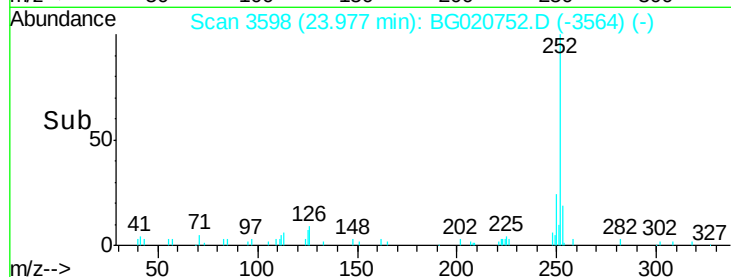
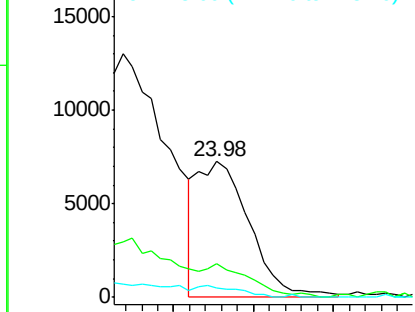
Tgt Ion:	252	Resp:	16377
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.1	25.7
125	7.2	5.4	8.0

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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: 3.86 ng/ul

RT: 24.80 min Scan# 3738

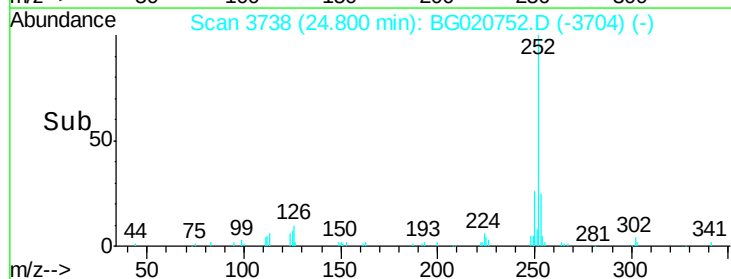
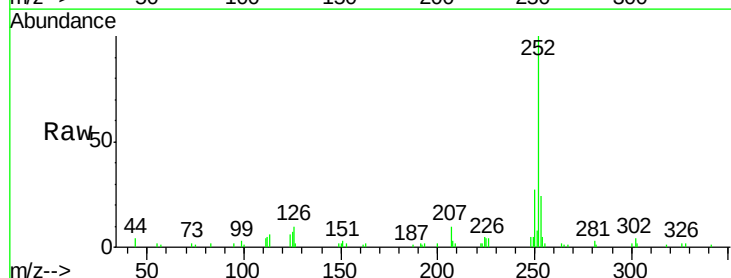
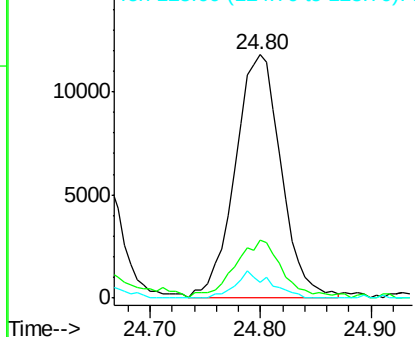
Delta R.T. -0.00 min

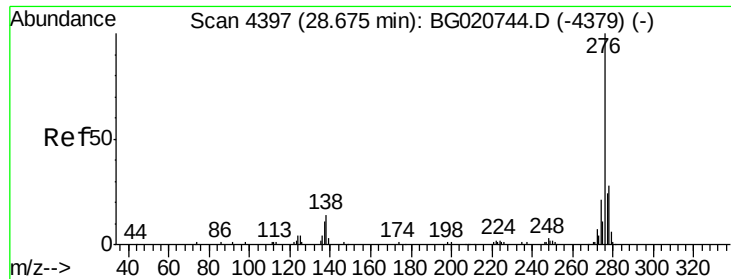
Lab File: BG020752.D

Acq: 15 Jan 2016 14:43

Tgt Ion:	252	Resp:	34537
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.2	25.8
125	6.7	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: 2.06 ng/ul m

RT: 28.68 min Scan# 4398

Delta R.T. 0.00 min

Lab File: BG020752.D

Acq: 15 Jan 2016 14:43

Instrument :

BNA_G

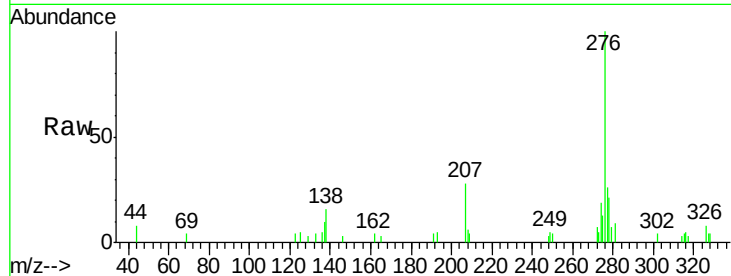
ClientSampleId :

BC9F5

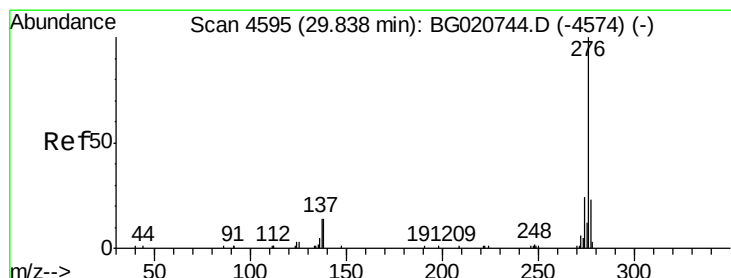
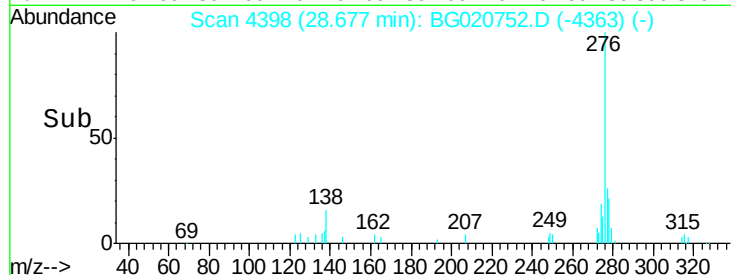
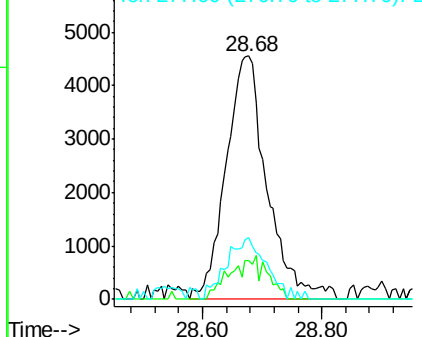
Tgt Ion:	276	Resp:	21799
Ion Ratio	Lower	Upper	
276	100		
138	16.2	10.9	16.3
277	25.6	18.9	28.3

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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: 2.40 ng/ul m

RT: 29.83 min Scan# 4595

Delta R.T. -0.00 min

Lab File: BG020752.D

Acq: 15 Jan 2016 14:43

Tgt Ion:	276	Resp:	20877
Ion Ratio	Lower	Upper	
276	100		
138	13.8	11.2	16.8
277	24.5	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

