

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052216\
 Data File : BG022034.D
 Acq On : 23 May 2016 5:27
 Operator : UM/SJ
 Sample : H3203-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XH6

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Quant Time: May 24 13:18:25 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 08:11:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	41648	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	210503	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	113186	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	217181	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	197094	20.00	ng/ul	0.00
34) Perylene-d12	25.14	264	189108	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.54	96	1012	1.11	ng/uL	0.00
3) Phenol-d5	7.31	99	50996	13.87	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.48	67	28563	14.58	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	44651	14.79	ng/ul	0.00
6) 4-Methylphenol-d8	8.87	113	45276	13.82	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	23370	15.82	ng/ul	0.00
9) 2-Nitrophenol-d4	10.06	143	23808	15.11	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.59	165	41852	15.03	ng/ul	0.00
12) 4-Chloroaniline-d4	11.12	131	41829	19.07	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	138079	15.82	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	191010	16.99	ng/ul	0.00
20) 4-Nitrophenol-d4	15.00	143	12217m	7.96	ng/ul	0.01
21) Fluorene-d10	15.77	176	122935	15.65	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	10898	10.11	ng/ul	0.00
26) Anthracene-d10	17.63	188	168355	16.83	ng/ul	0.00
30) Pyrene-d10	19.91	212	172465	16.58	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.91	264	141788	16.88	ng/ul	0.00

Target Compounds

						Qvalue
25) Phenanthrene	17.57	178	37458	3.23	ng/ul	98
27) Anthracene	17.66	178	24538	2.10	ng/ul	98
28) Fluoranthene	19.57	202	215205	17.84	ng/ul#	94
31) Pyrene	19.93	202	203825m	15.02	ng/ul	
32) Benzo(a)anthracene	21.79	228	149237	13.65	ng/ul	97
33) Chrysene	21.86	228	148973	14.01	ng/ul	96
35) Benzo(b)fluoranthene	24.09	252	224003	20.61	ng/ul#	95
36) Benzo(k)fluoranthene	24.15	252	59100m	5.53	ng/ul	
38) Benzo(a)pyrene	24.99	252	104695	10.07	ng/ul#	90
39) Indeno(1,2,3-cd)pyrene	28.97	276	51718m	4.38	ng/ul	
40) Dibenzo(a,h)anthracene	29.00	278	16274m	1.66	ng/ul	
41) Benzo(g,h,i)perylene	30.16	276	38273m	3.83	ng/ul	

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

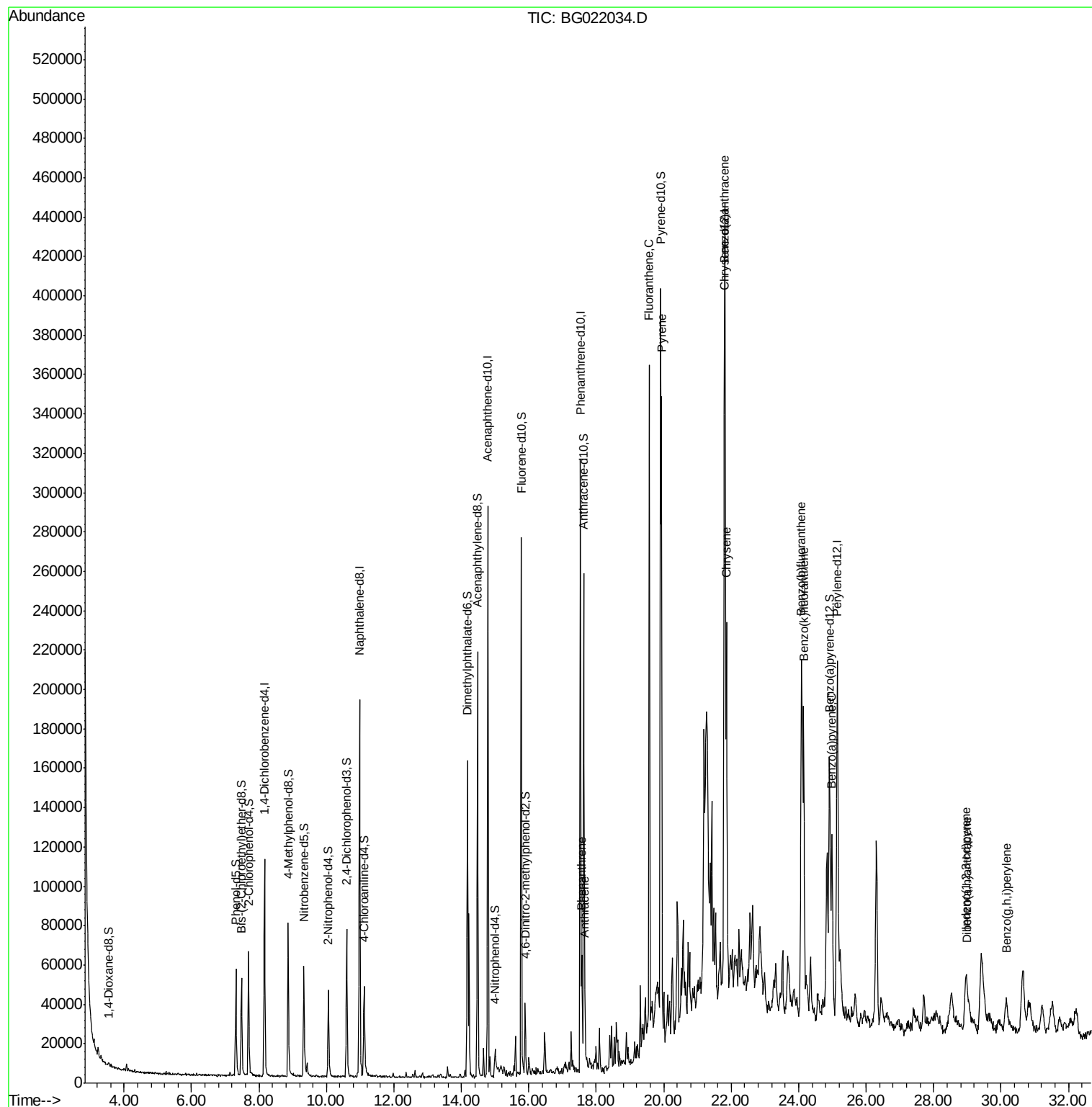
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052216\
Data File : BG022034.D
Acq On : 23 May 2016 5:27
Operator : UM/SJ
Sample : H3203-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

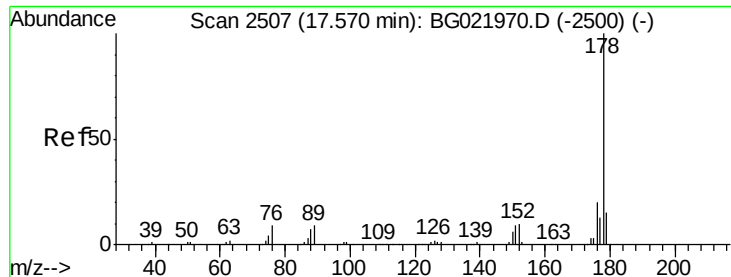
Instrument :
BNA_G
ClientSampleId :
D9XH6

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Quant Time: May 24 13:18:25 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 20 08:11:42 2016
Response via : Initial Calibration





#25

Phenanthrene

Concen: 3.23 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. -0.00 min

Lab File: BG022034.D

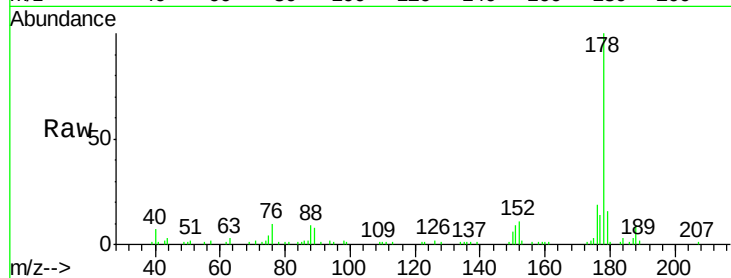
Acq: 23 May 2016 5:27

Instrument :

BNA_G

ClientSampled :

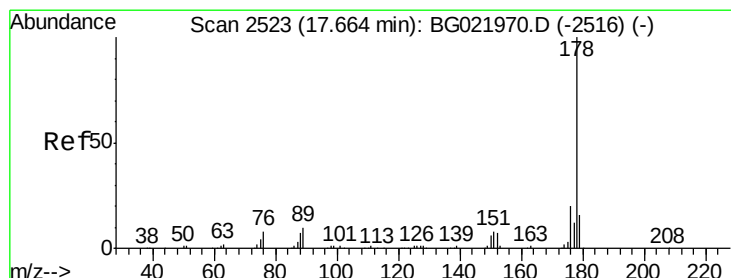
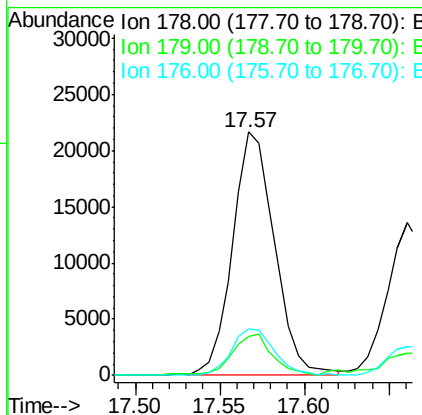
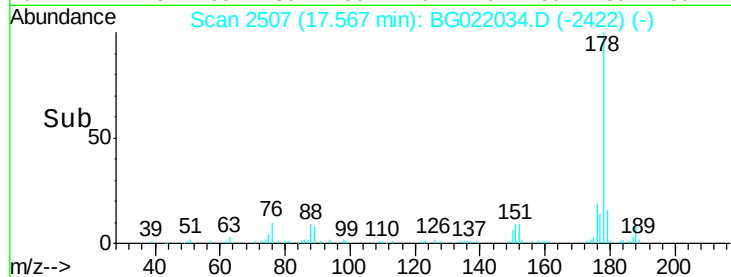
D9XH6



Tgt Ion:	178	Resp:	37458
Ion Ratio	Lower	Upper	
178	100		
179	16.0	11.8	17.8
176	18.8	14.8	22.2

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#27

Anthracene

Concen: 2.10 ng/ul

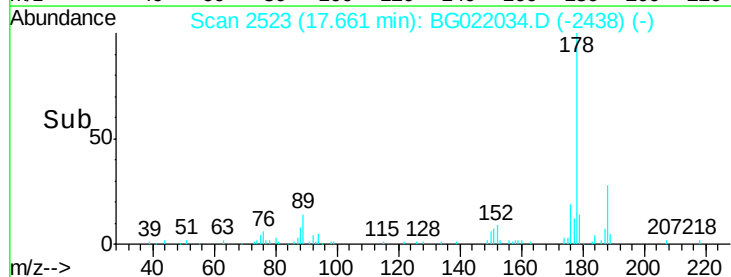
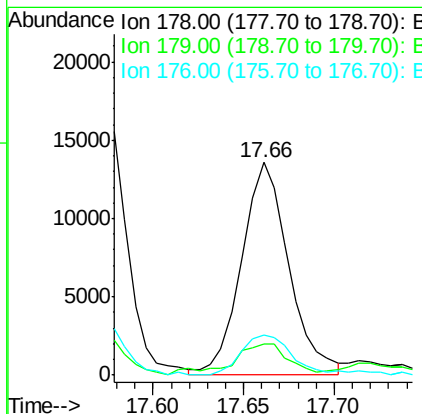
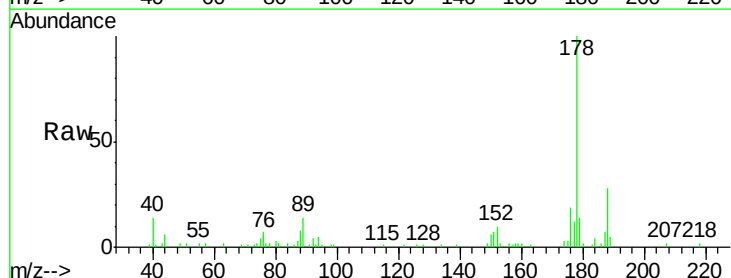
RT: 17.66 min Scan# 2523

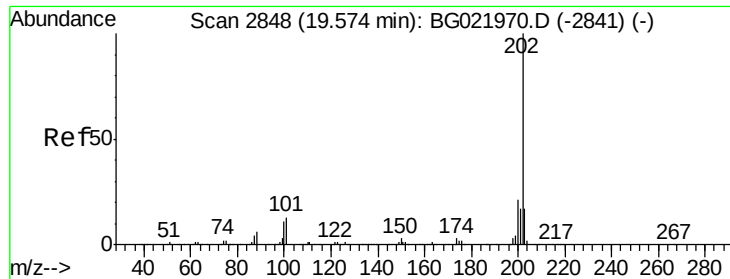
Delta R.T. -0.00 min

Lab File: BG022034.D

Acq: 23 May 2016 5:27

Tgt Ion:	178	Resp:	24538
Ion Ratio	Lower	Upper	
178	100		
179	14.5	12.9	19.3
176	19.1	15.6	23.4





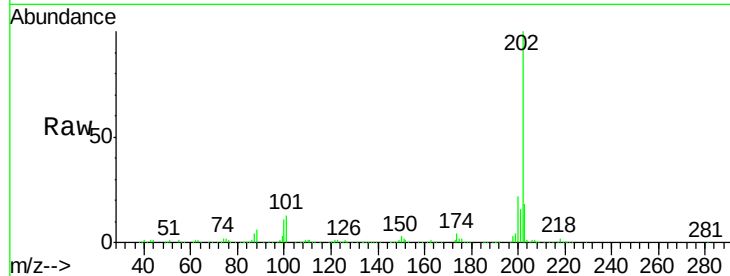
#28
Fluoranthene
 Concen: 17.84 ng/ul
 RT: 19.57 min Scan# 2848
 Delta R.T. -0.00 min
 Lab File: BG022034.D
 Acq: 23 May 2016 5:27

Instrument :
 BNA_G
 ClientSampleId :
 D9XH6

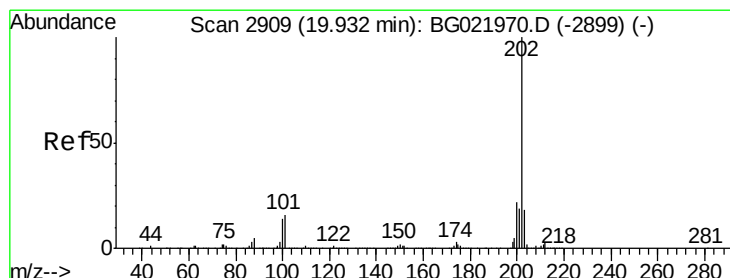
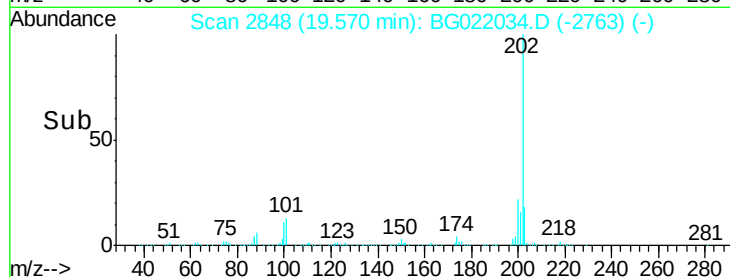
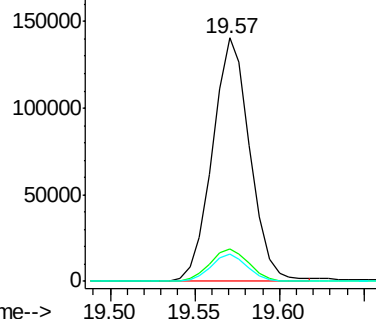
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.3	8.9	13.3
100	11.2	7.0	10.4

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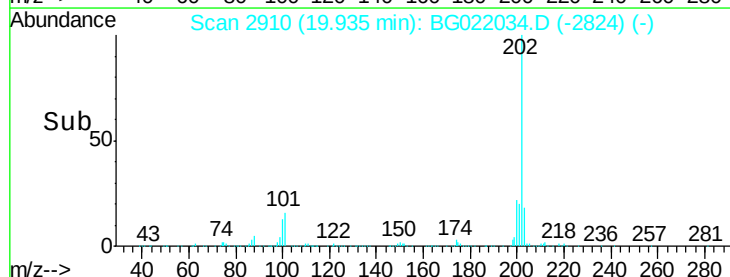
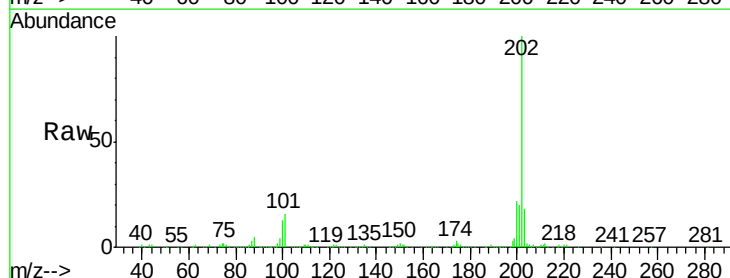
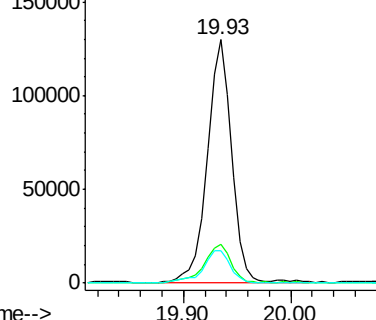
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

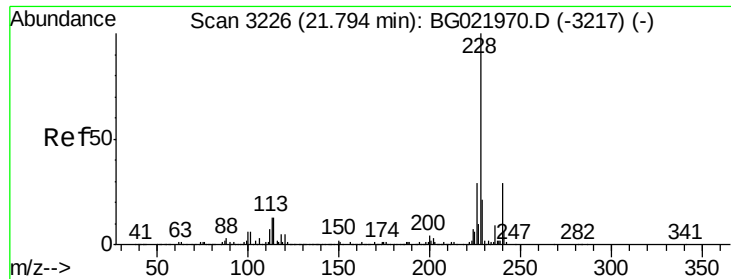


#31
Pyrene
 Concen: 15.02 ng/ul m
 RT: 19.93 min Scan# 2910
 Delta R.T. 0.00 min
 Lab File: BG022034.D
 Acq: 23 May 2016 5:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	16.0	9.8	14.8
100	13.2	9.3	13.9

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





#32

Benzo(a)anthracene

Concen: 13.65 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. -0.00 min

Lab File: BG022034.D

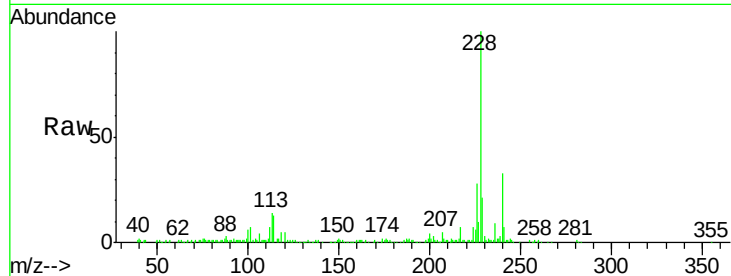
Acq: 23 May 2016 5:27

Instrument :

BNA_G

ClientSampleId :

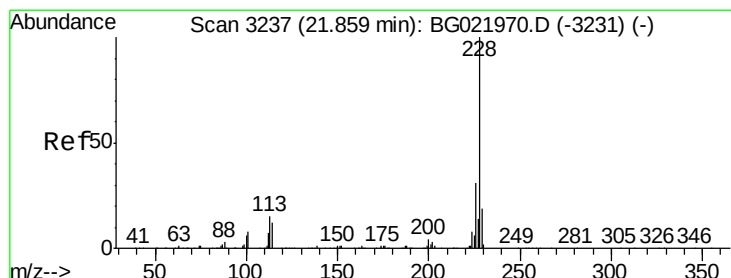
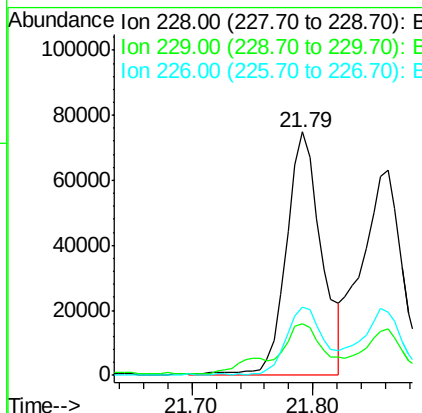
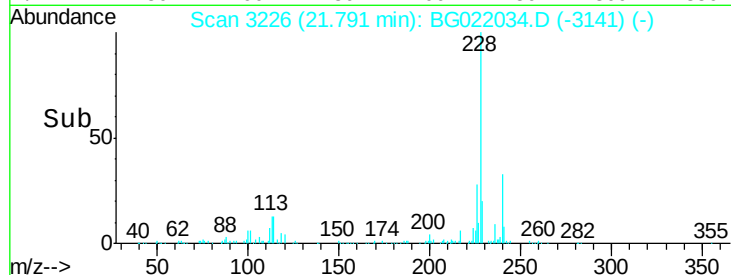
D9XH6



Tgt Ion	Ratio	Resp	Lower	Upper
228	100	149237		
229	21.3	16.6	25.0	
226	28.2	21.0	31.4	

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#33

Chrysene

Concen: 14.01 ng/ul

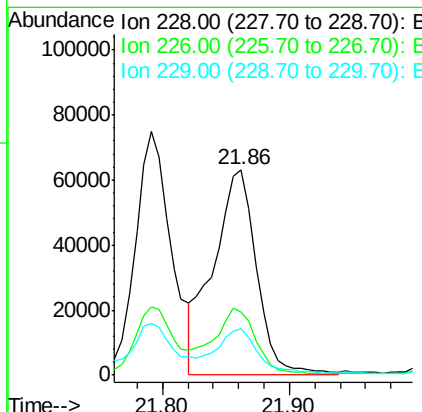
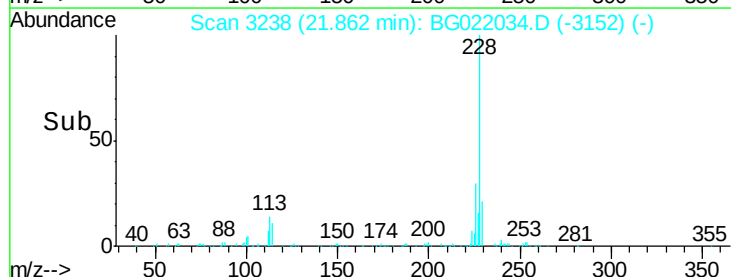
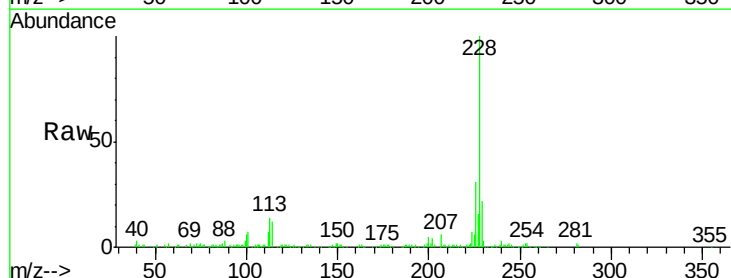
RT: 21.86 min Scan# 3238

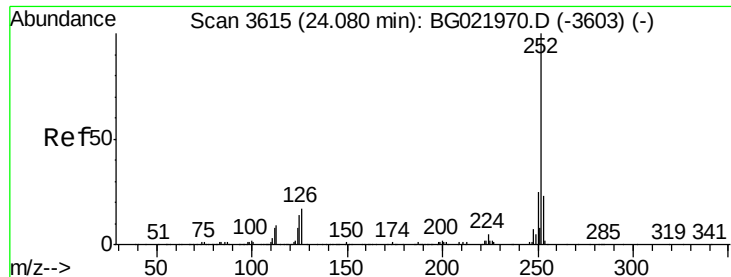
Delta R.T. 0.00 min

Lab File: BG022034.D

Acq: 23 May 2016 5:27

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	148973		
226	30.9	23.4	35.2	
229	22.3	16.2	24.2	





#35

Benzo(b)fluoranthene

Concen: 20.61 ng/ul

RT: 24.09 min Scan# 3617

Delta R.T. 0.01 min

Lab File: BG022034.D

Acq: 23 May 2016 5:27

Instrument :

BNA_G

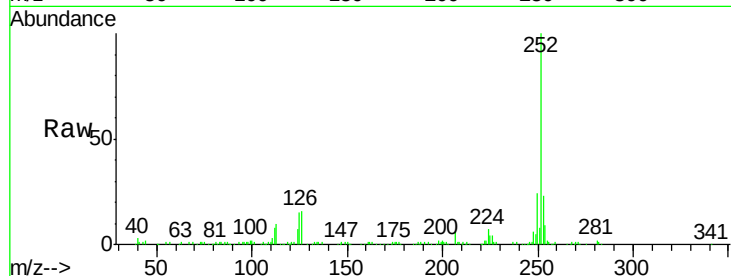
ClientSampleId :

D9XH6

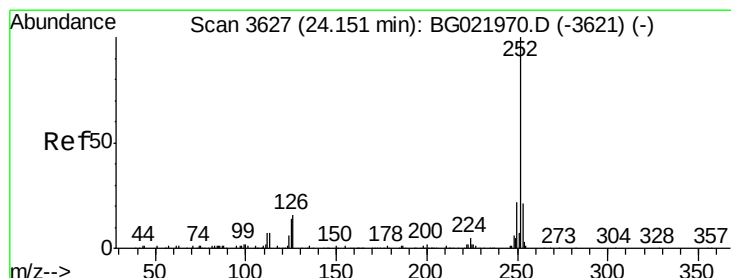
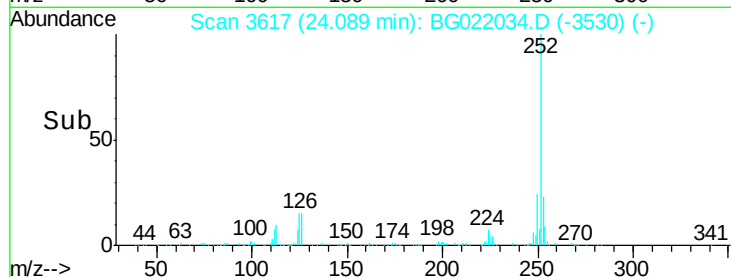
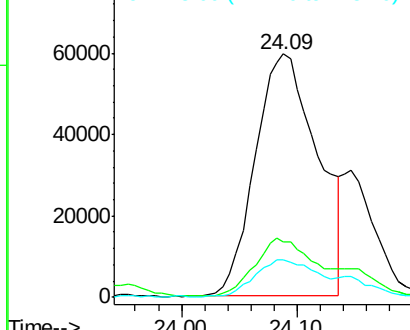
Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		224003		
253	23.0	18.1	27.1		
125	15.2	7.6	11.4#		

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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



#36

Benzo(k)fluoranthene

Concen: 5.53 ng/ul m

RT: 24.15 min Scan# 3627

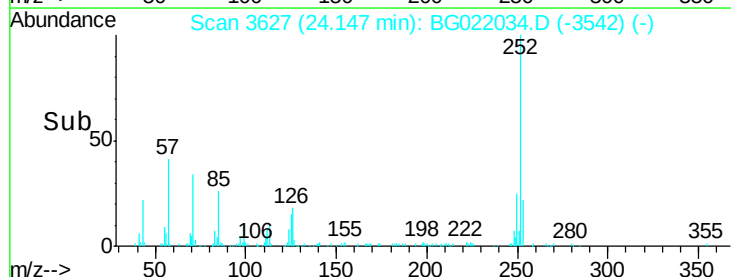
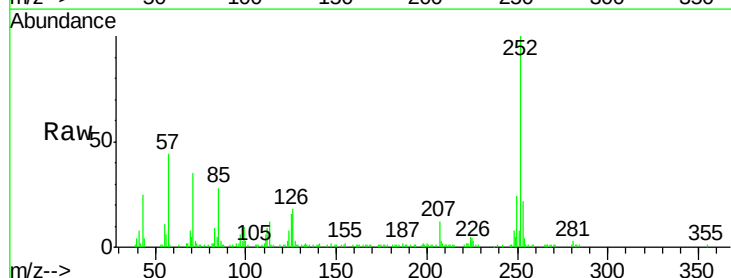
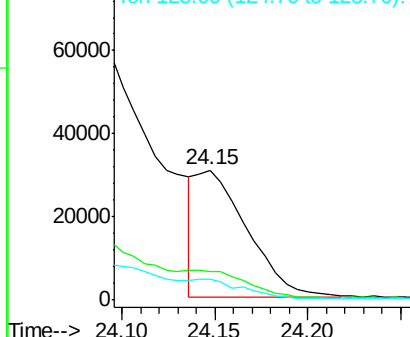
Delta R.T. -0.00 min

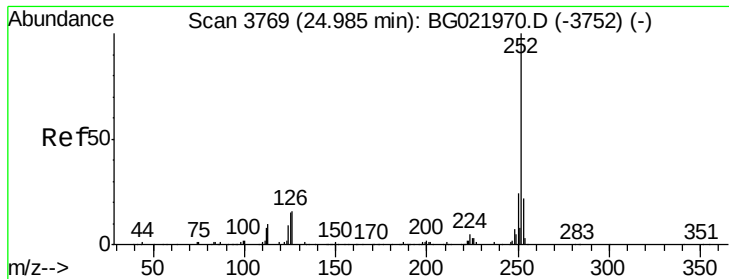
Lab File: BG022034.D

Acq: 23 May 2016 5:27

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		59100		
253	22.5	17.8	26.8		
125	16.0	7.7	11.5#		

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





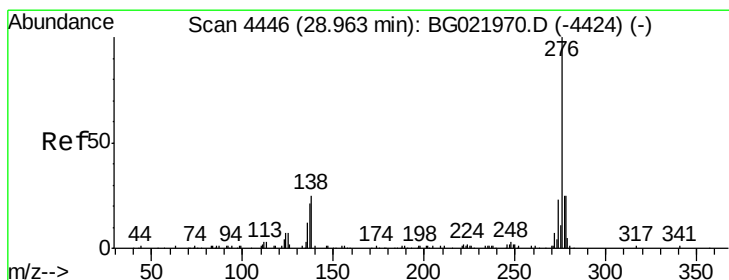
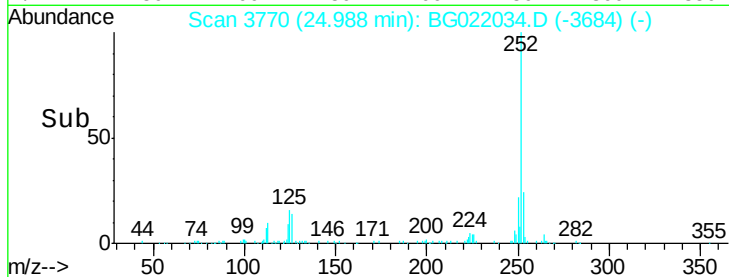
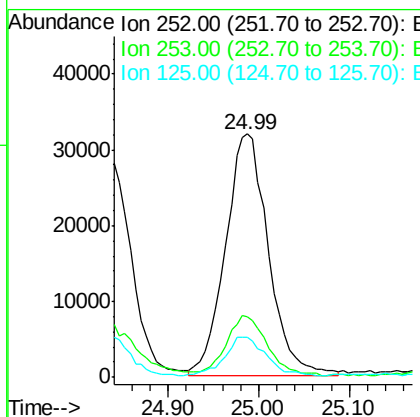
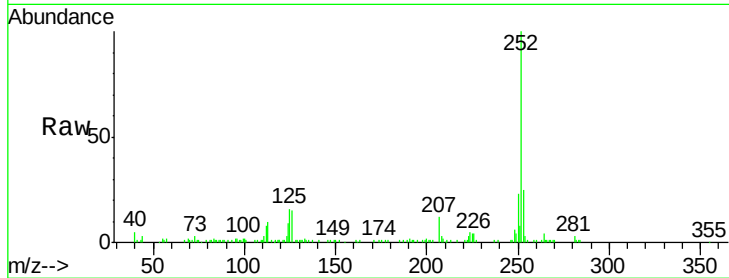
#38
Benzo(a)pyrene
Concen: 10.07 ng/ul
RT: 24.99 min Scan# 3770
Delta R.T. 0.00 min
Lab File: BG022034.D
Acq: 23 May 2016 5:27

Instrument :
BNA_G
ClientSampleId :
D9XH6

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.8	17.4	26.0
125	16.3	8.2	12.2

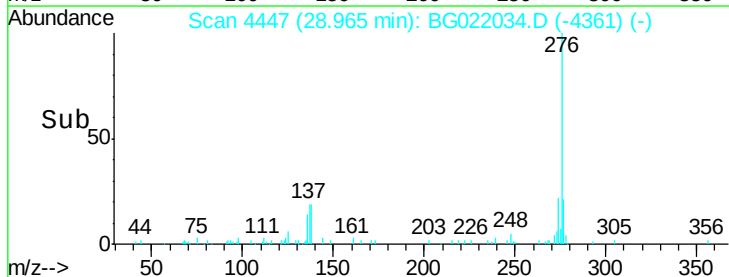
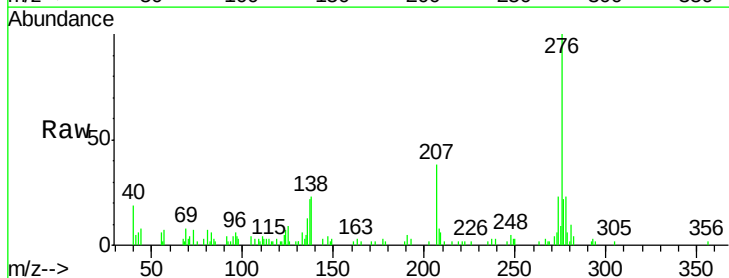
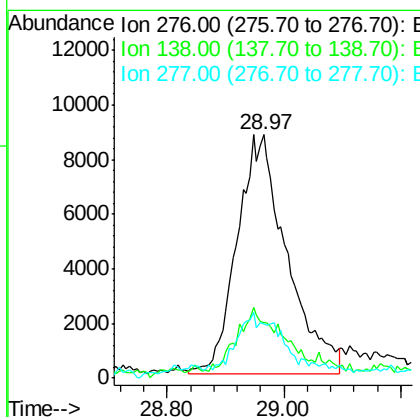
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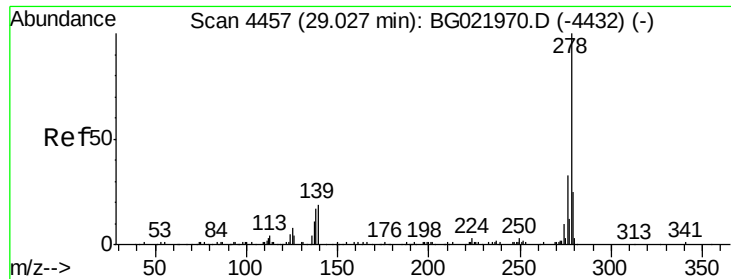
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#39
Indeno(1,2,3-cd)pyrene
Concen: 4.38 ng/ul m
RT: 28.97 min Scan# 4447
Delta R.T. 0.00 min
Lab File: BG022034.D
Acq: 23 May 2016 5:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	22.9	15.8	23.6
277	22.5	19.0	28.6





#40

Dibenzo(a,h)anthracene

Concen: 1.66 ng/ul m

RT: 29.00 min Scan# 4453

Delta R.T. -0.03 min

Lab File: BG022034.D

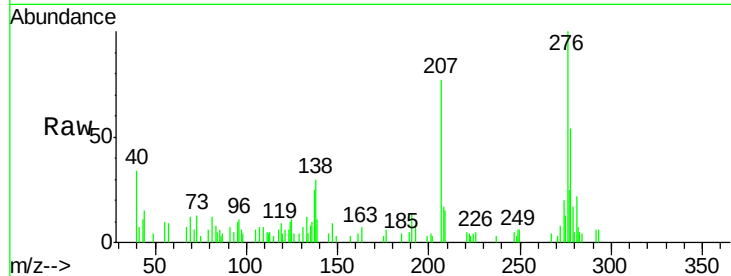
Acq: 23 May 2016 5:27

Instrument :

BNA_G

ClientSampleId :

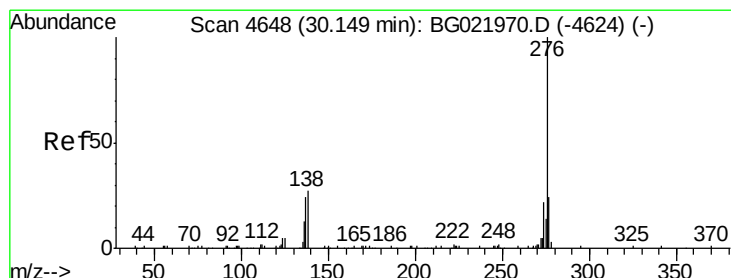
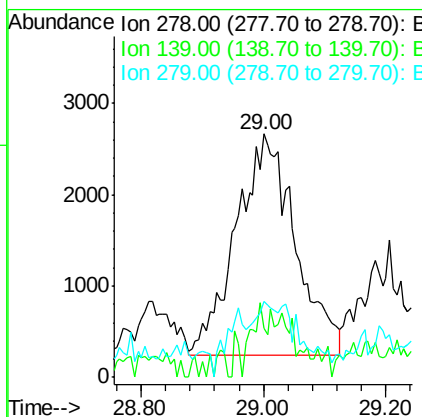
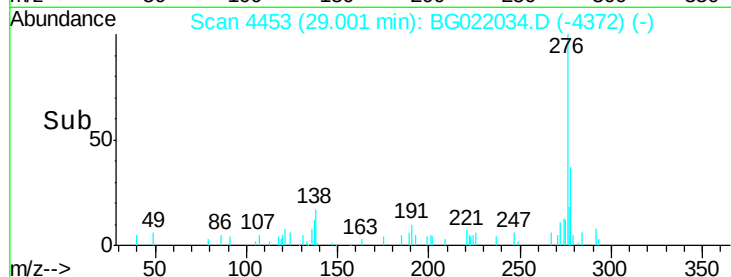
D9XH6



Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.3	12.1	18.1#
279	31.3	19.8	29.8#

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#41

Benzo(g,h,i)perylene

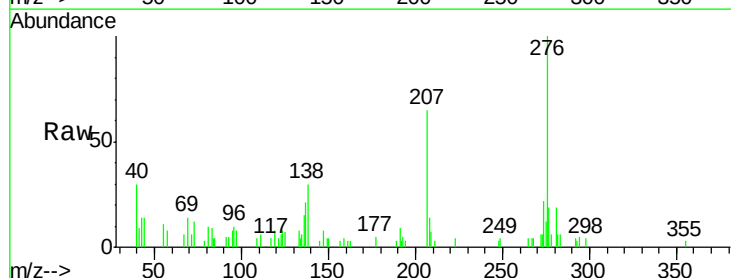
Concen: 3.83 ng/ul m

RT: 30.16 min Scan# 4650

Delta R.T. 0.01 min

Lab File: BG022034.D

Acq: 23 May 2016 5:27



Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.3	13.9	20.9#
277	18.9	19.8	29.6#

