

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052216\
 Data File : BG022022.D
 Acq On : 22 May 2016 21:23
 Operator : UM/SJ
 Sample : H3204-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XQ0

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Quant Time: May 24 10:59:17 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	48386	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	242699	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.79	164	128705	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	245299	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	219650	20.00	ng/ul	0.00
34) Perylene-d12	25.14	264	208332	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.54	96	1796	1.70	ng/uL	0.00
3) Phenol-d5	7.31	99	86321	20.20	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.48	67	48128	21.15	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	75576	21.54	ng/ul	0.00
6) 4-Methylphenol-d8	8.86	113	76187	20.02	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	39594	23.25	ng/ul	0.00
9) 2-Nitrophenol-d4	10.06	143	41745	22.98	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	73219	22.80	ng/ul	0.00
12) 4-Chloroaniline-d4	11.11	131	58097	22.97	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	228831	23.06	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	312428	24.44	ng/ul	0.00
20) 4-Nitrophenol-d4	14.98	143	19969m	11.44	ng/ul	0.00
21) Fluorene-d10	15.77	176	201386	22.55	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	22632	18.59	ng/ul	0.00
26) Anthracene-d10	17.63	188	277352m	24.54	ng/ul	0.00
30) Pyrene-d10	19.90	212	284240	24.53	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.91	264	230095	24.87	ng/ul	0.00

Target Compounds

					Qvalue	
25) Phenanthrene	17.57	178	25690	1.96	ng/ul	95
28) Fluoranthene	19.57	202	47994	3.52	ng/ul#	93
31) Pyrene	19.93	202	46771m	3.09	ng/ul	
32) Benzo(a)anthracene	21.79	228	26970	2.21	ng/ul#	89
33) Chrysene	21.86	228	32964	2.78	ng/ul#	90
35) Benzo(b)fluoranthene	24.09	252	65477	5.47	ng/ul#	94
36) Benzo(k)fluoranthene	24.14	252	20576m	1.75	ng/ul	
38) Benzo(a)pyrene	24.98	252	35030	3.06	ng/ul#	90
39) Indeno(1,2,3-cd)pyrene	28.96	276	28105m	2.16	ng/ul	
41) Benzo(g,h,i)perylene	30.17	276	15057m	1.37	ng/ul	

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

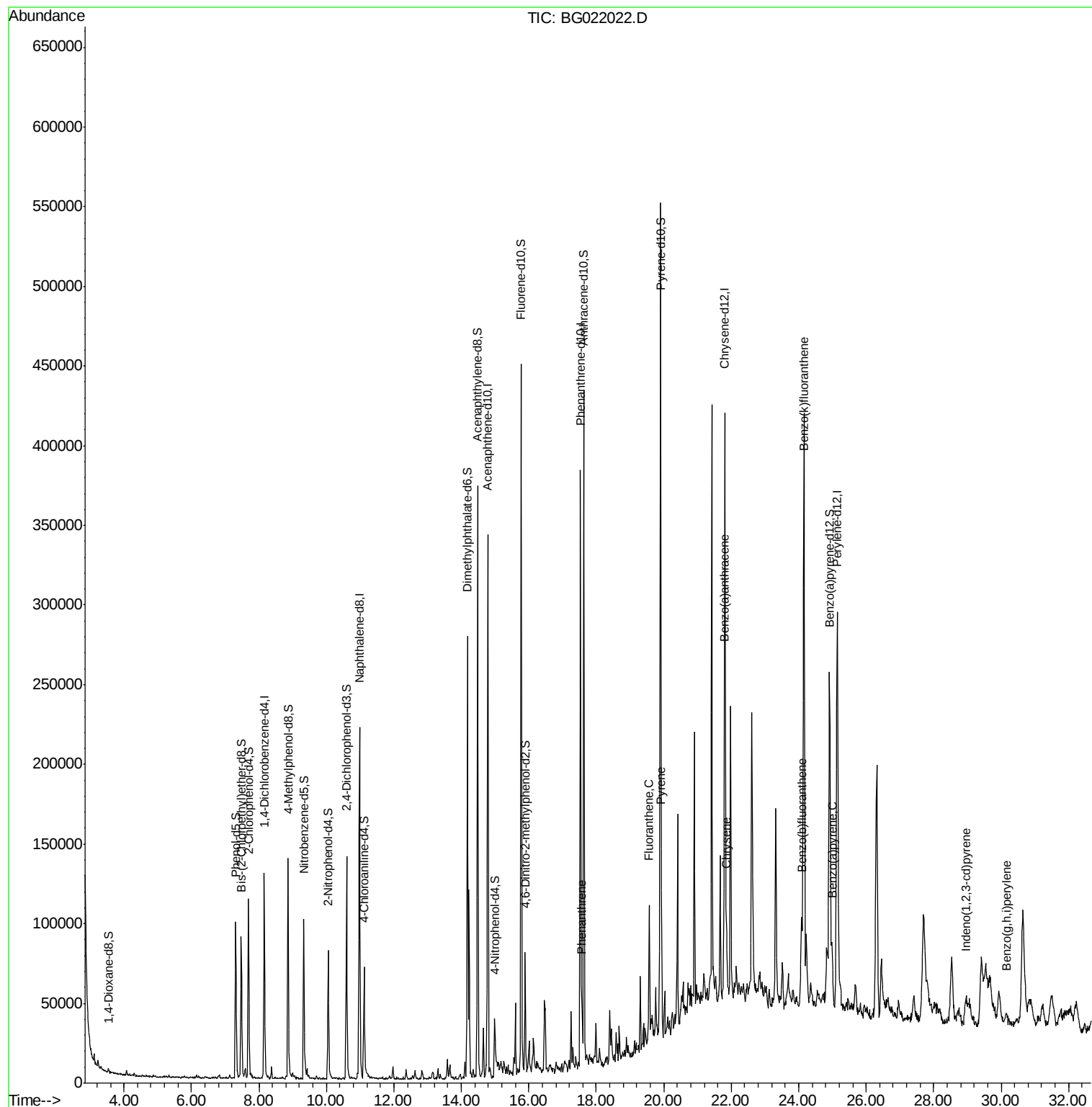
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052216\
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ALS Vial : 14 Sample Multiplier: 1

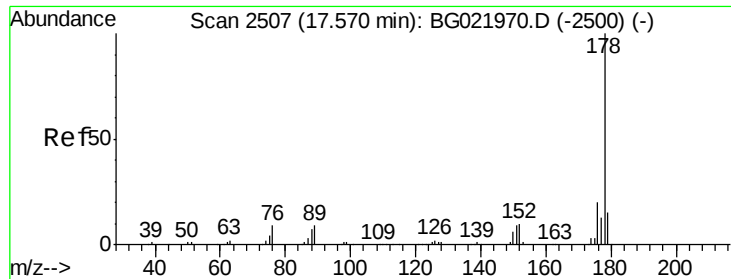
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 20 08:11:42 2016
Response via : Initial Calibration





#25

Phenanthrene

Concen: 1.96 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG022022.D

Acq: 22 May 2016 21:23

Instrument :

BNA_G

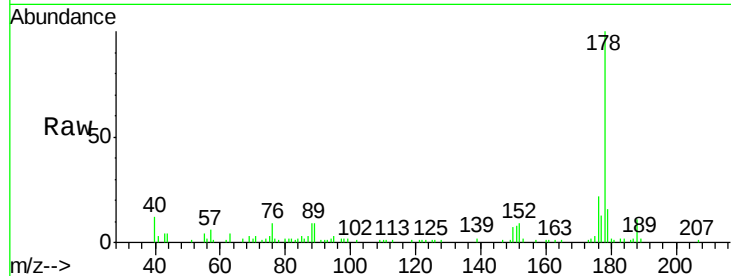
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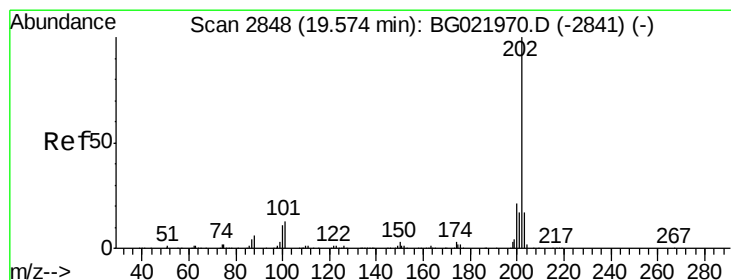
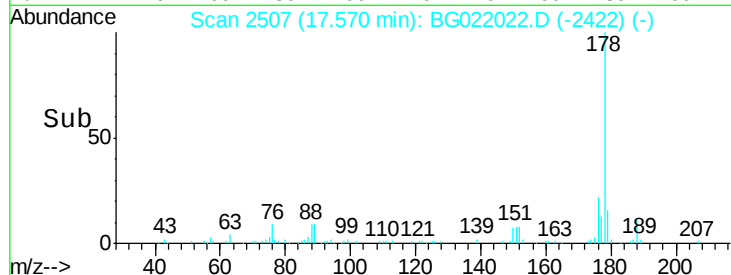
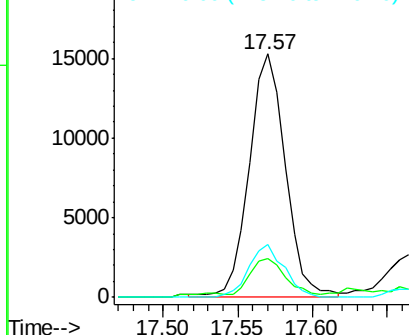
Tgt Ion:	178	Resp:	25690
Ion Ratio	Lower	Upper	
178	100		
179	15.8	11.8	17.8
176	21.7	14.8	22.2

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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



#28

Fluoranthene

Concen: 3.52 ng/ul

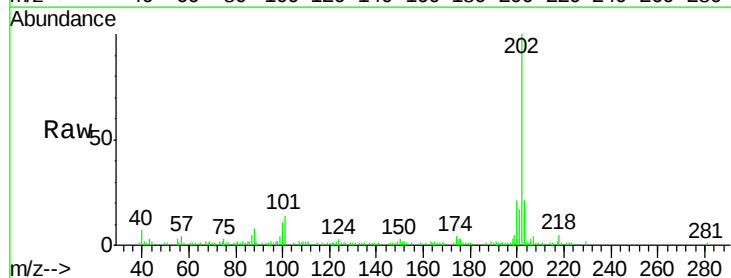
RT: 19.57 min Scan# 2847

Delta R.T. -0.01 min

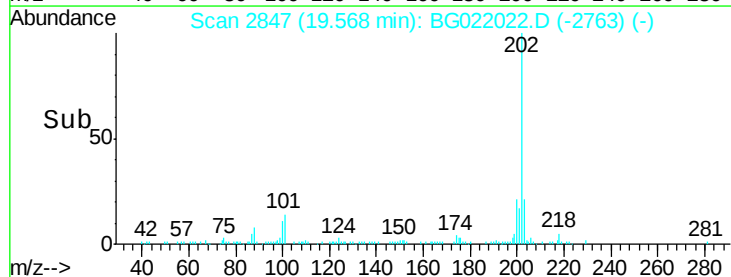
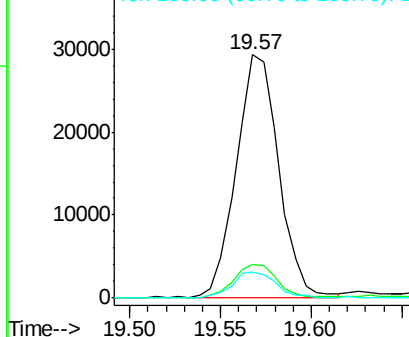
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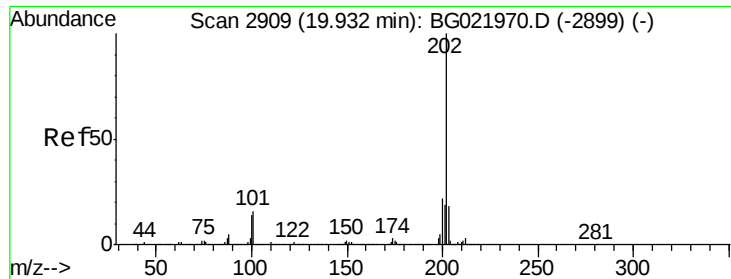
Acq: 22 May 2016 21:23

Tgt Ion:	202	Resp:	47994
Ion Ratio	Lower	Upper	
202	100		
101	14.0	8.9	13.3#
100	10.6	7.0	10.4#



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





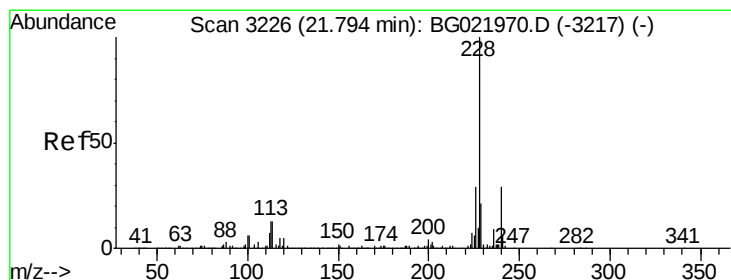
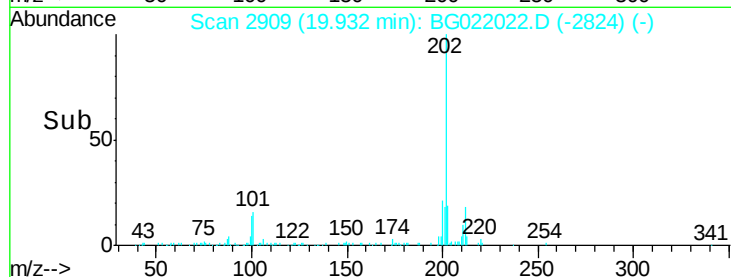
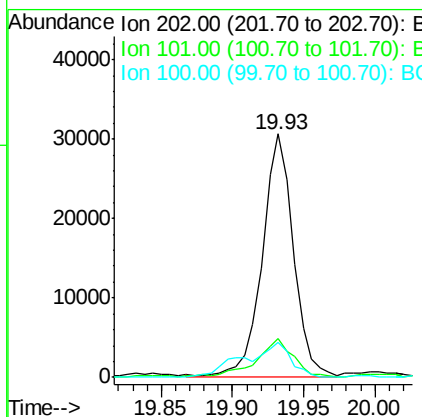
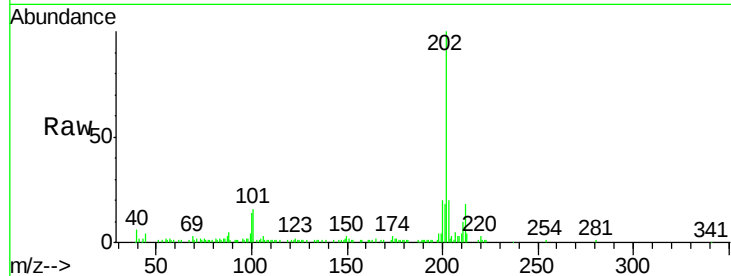
#31
 Pyrene
 Concen: 3.09 ng/ul m
 RT: 19.93 min Scan# 2909
 Delta R.T. 0.00 min
 Lab File: BG022022.D
 Acq: 22 May 2016 21:23

Instrument :
 BNA_G
 ClientSampleId :
 D9XQ0

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	15.8	9.8	14.8#
100	14.2	9.3	13.9#

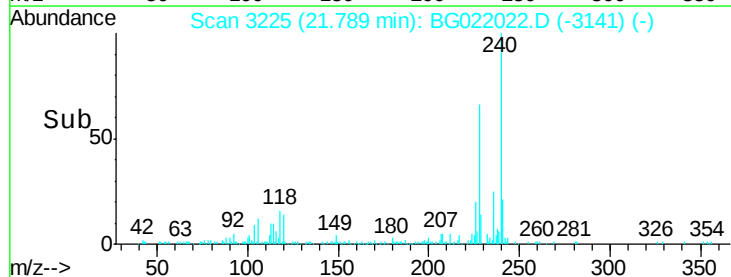
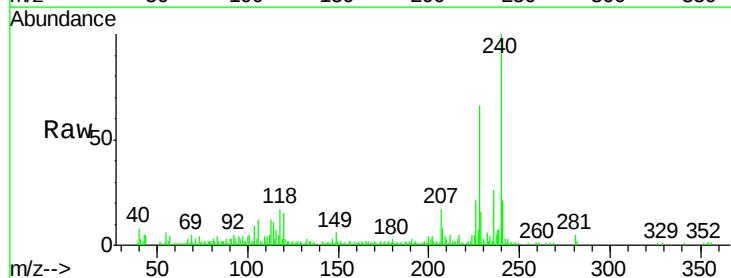
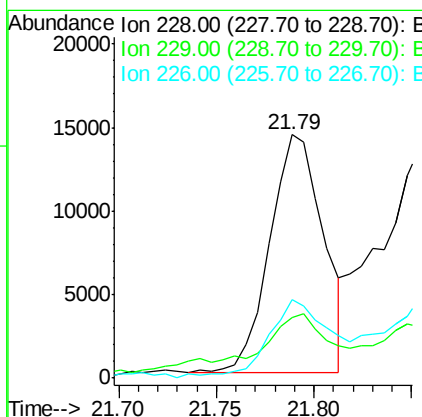
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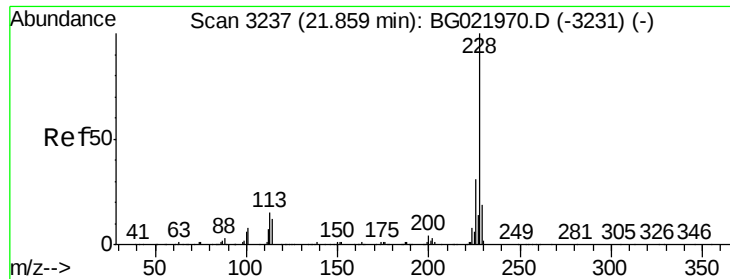
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#32
 Benzo(a)anthracene
 Concen: 2.21 ng/ul
 RT: 21.79 min Scan# 3225
 Delta R.T. -0.01 min
 Lab File: BG022022.D
 Acq: 22 May 2016 21:23

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	24.9	16.6	25.0
226	32.4	21.0	31.4#





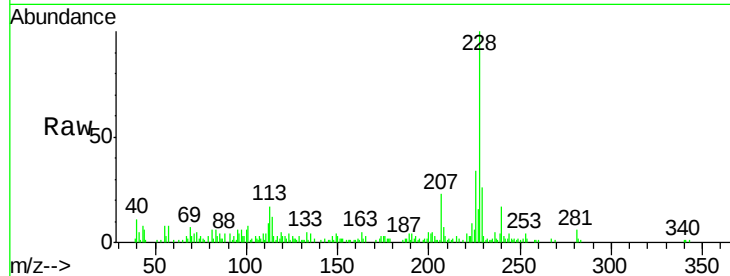
#33
Chrysene
Concen: 2.78 ng/ul
RT: 21.86 min Scan# 3237
Delta R.T. 0.00 min
Lab File: BG022022.D
Acq: 22 May 2016 21:23

Instrument :
BNA_G
ClientSampleId :
D9XQ0

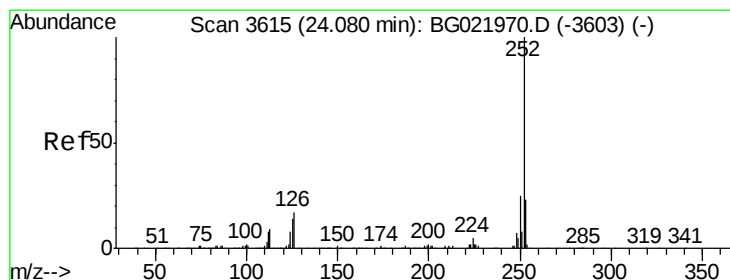
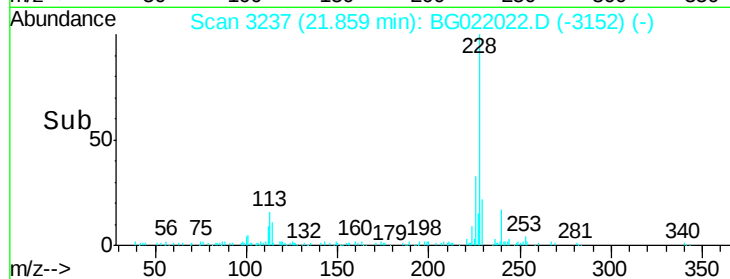
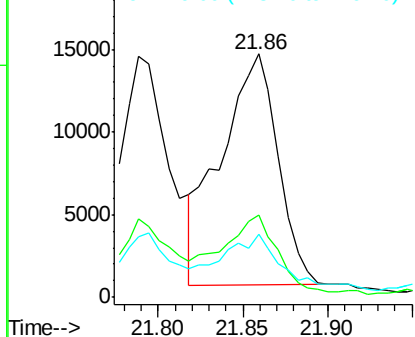
Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	33.6	23.4	35.2
229	25.7	16.2	24.2

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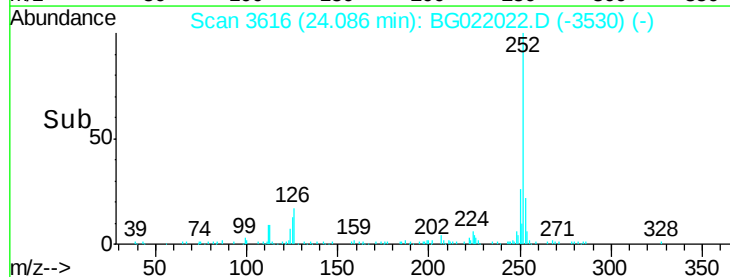
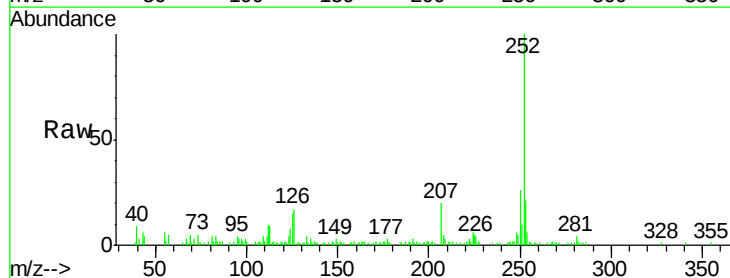
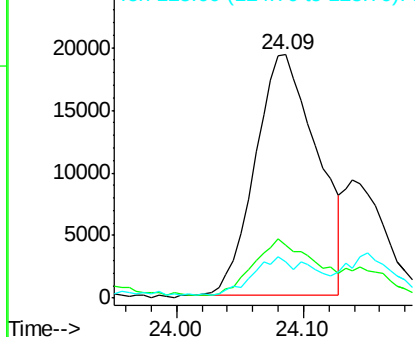
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

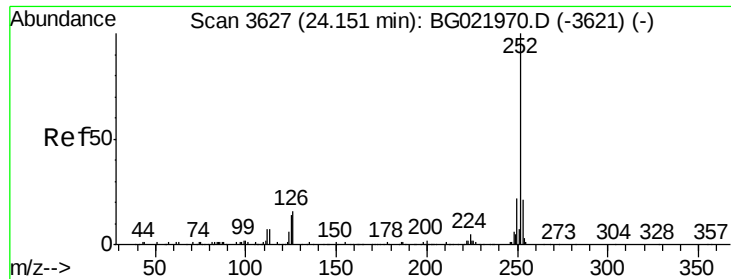


#35
Benzo(b)fluoranthene
Concen: 5.47 ng/ul
RT: 24.09 min Scan# 3616
Delta R.T. 0.01 min
Lab File: BG022022.D
Acq: 22 May 2016 21:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.5	18.1	27.1
125	14.9	7.6	11.4

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





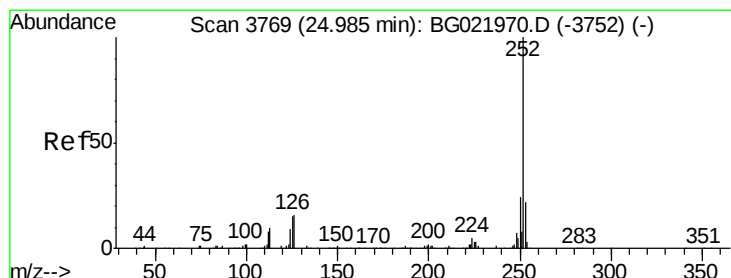
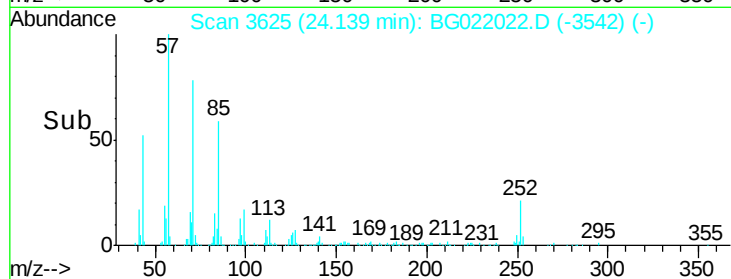
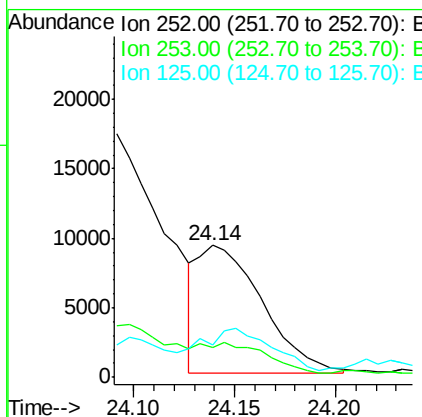
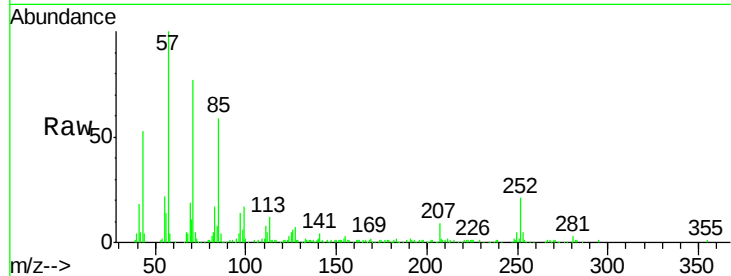
#36
Benzo(k)fluoranthene
Concen: 1.75 ng/ul m
RT: 24.14 min Scan# 3625
Delta R.T. -0.01 min
Lab File: BG022022.D
Acq: 22 May 2016 21:23

Instrument :
BNA_G
ClientSampleId :
D9XQ0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	25.1	7.7	11.5#

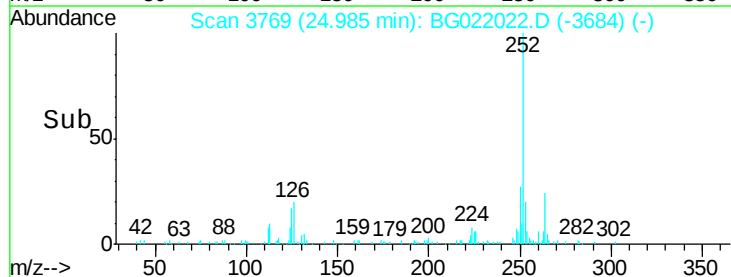
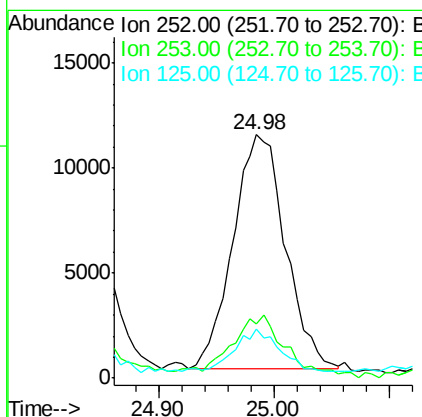
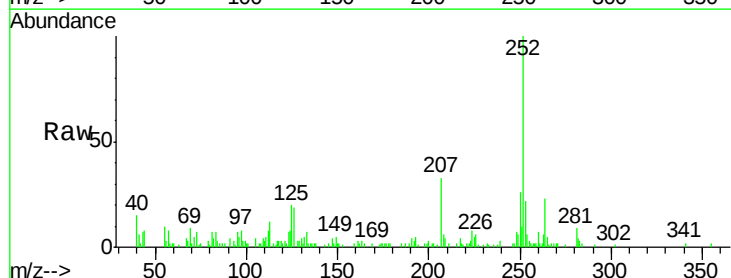
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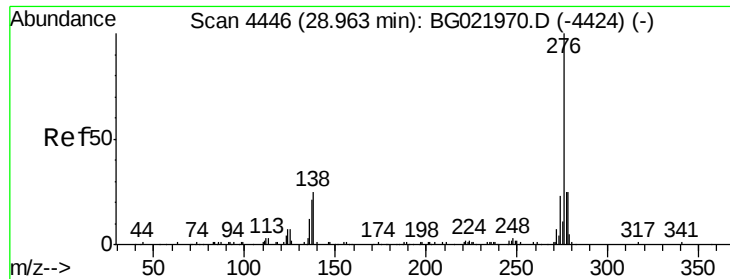
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#38
Benzo(a)pyrene
Concen: 3.06 ng/ul
RT: 24.98 min Scan# 3769
Delta R.T. 0.00 min
Lab File: BG022022.D
Acq: 22 May 2016 21:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	20.3	8.2	12.2#





#39

Indeno(1,2,3-cd)pyrene

Concen: 2.16 ng/ul m

RT: 28.96 min Scan# 4446

Delta R.T. 0.00 min

Lab File: BG022022.D

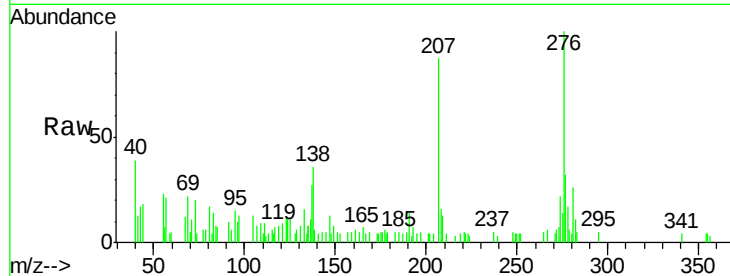
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Instrument :

BNA_G

ClientSampleId :

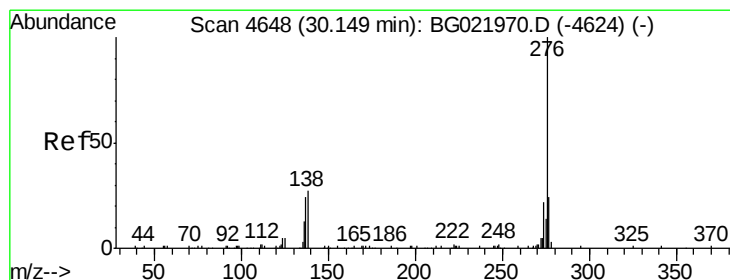
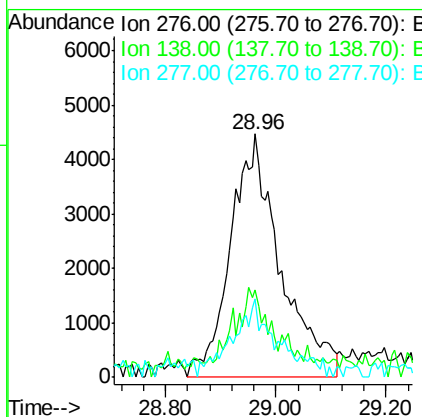
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Tgt Ion	Ratio	Lower	Upper
276	100		
138	35.8	15.8	23.6#
277	32.1	19.0	28.6#

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#41

Benzo(g,h,i)perylene

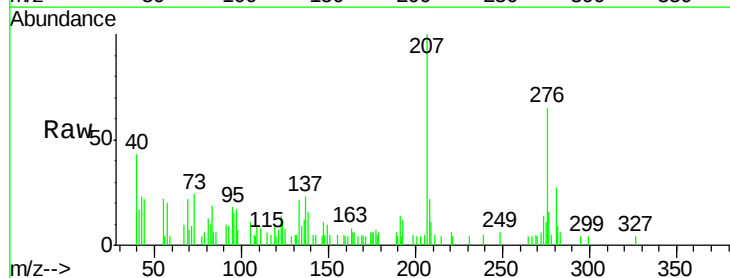
Concen: 1.37 ng/ul m

RT: 30.17 min Scan# 4651

Delta R.T. 0.02 min

Lab File: BG022022.D

Acq: 22 May 2016 21:23



Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.2	13.9	20.9#
277	24.7	19.8	29.6

