

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052516\
 Data File : BG022069.D
 Acq On : 25 May 2016 22:04
 Operator : UM/SJ
 Sample : H3203-22
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XJ6

Manual Integrations
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Quant Time: May 26 03:44:13 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 26 03:11:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	45045	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	237609	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	134168	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	252759	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	219761	20.00	ng/ul	0.00
34) Perylene-d12	25.15	264	213459	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.53	96	897m	0.91	ng/uL	0.00
3) Phenol-d5	7.32	99	70267	17.67	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.47	67	40650	19.19	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	63873	19.56	ng/ul	0.00
6) 4-Methylphenol-d8	8.87	113	55834	15.76	ng/ul	0.00
8) Nitrobenzene-d5	9.32	128	33758	20.25	ng/ul	0.00
9) 2-Nitrophenol-d4	10.05	143	36011	20.25	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	62406	19.85	ng/ul	0.00
12) 4-Chloroaniline-d4	11.11	131	34102m	13.77	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	202088	19.53	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	289177	21.70	ng/ul	0.00
20) 4-Nitrophenol-d4	15.00	143	14296m	7.86	ng/ul	0.00
21) Fluorene-d10	15.77	176	189296	20.33	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	19249	15.35	ng/ul	0.00
26) Anthracene-d10	17.63	188	254046	21.82	ng/ul	0.00
30) Pyrene-d10	19.91	212	260880	22.50	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.91	264	216316	22.82	ng/ul	0.00

Target Compounds

					Ovalue
25) Phenanthrene	17.57	178	77393	5.73 ng/ul	97
28) Fluoranthene	19.57	202	160968	11.46 ng/ul#	96
31) Pyrene	19.93	202	133959m	8.85 ng/ul	
32) Benzo(a)anthracene	21.79	228	72237	5.93 ng/ul	96
33) Chrysene	21.86	228	76403	6.44 ng/ul	98
35) Benzo(b)fluoranthene	24.08	252	104944	8.55 ng/ul#	94
36) Benzo(k)fluoranthene	24.13	252	43797m	3.63 ng/ul	
38) Benzo(a)pyrene	24.98	252	75111	6.40 ng/ul#	95
39) Indeno(1,2,3-cd)pyrene	28.95	276	48618	3.65 ng/ul#	90
40) Dibenzo(a,h)anthracene	29.00	278	13078m	1.18 ng/ul	
41) Benzo(g,h,i)perylene	30.16	276	44105	3.91 ng/ul#	80

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

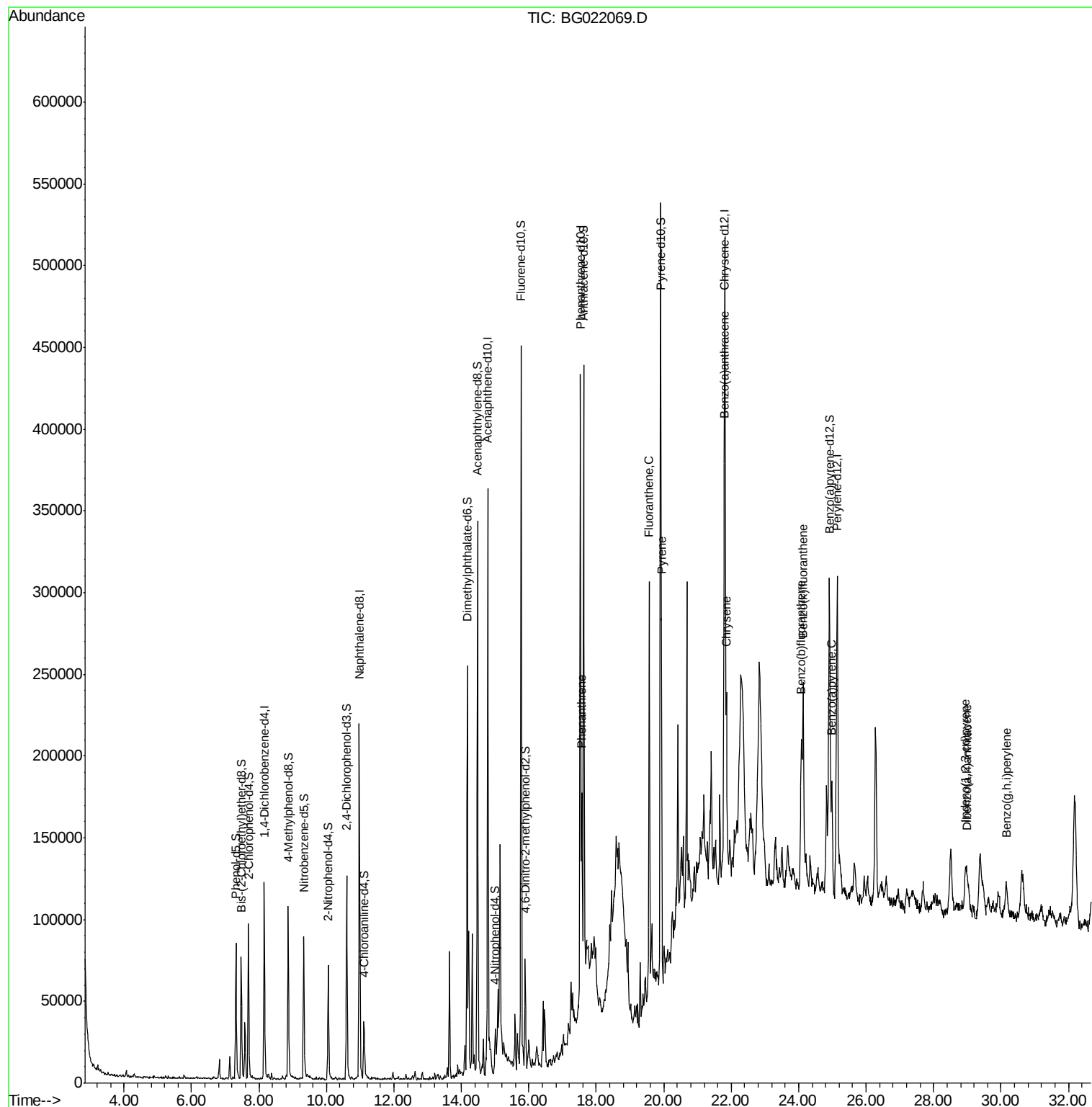
Data Path : Z:\HPCHEM1\BNA G\DATA\BG052516\
Data File : BG022069.D
Acq On : 25 May 2016 22:04
Operator : UM/SJ
Sample : H3203-22
Misc :
ALS Vial : 11 Sample Multiplier: 1

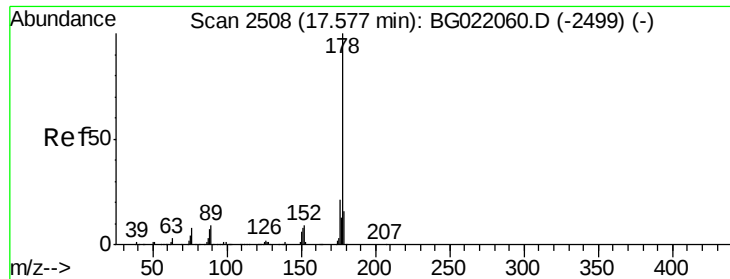
Instrument :
BNA_G
ClientSampleId :
D9XJ6

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Quant Time: May 26 03:44:13 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 26 03:11:46 2016
Response via : Initial Calibration





#25

Phenanthrene

Concen: 5.73 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. -0.01 min

Lab File: BG022069.D

Acq: 25 May 2016 22:04

Instrument :

BNA_G

ClientSampleId :

D9XJ6

Tot Ion:178 Resp: 77393

Ion Ratio Lower Upper

178 100

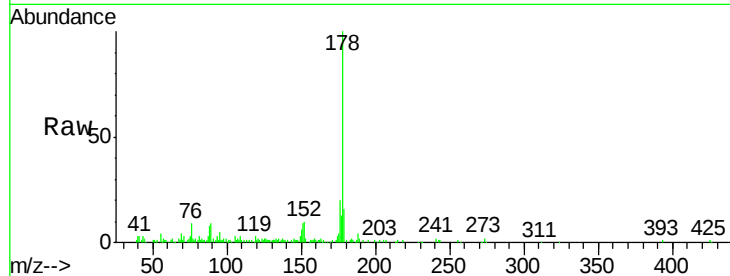
179 15.9 11.8 17.8

176 19.7 14.8 22.2

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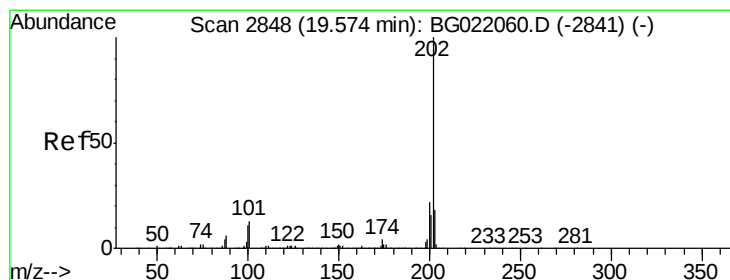
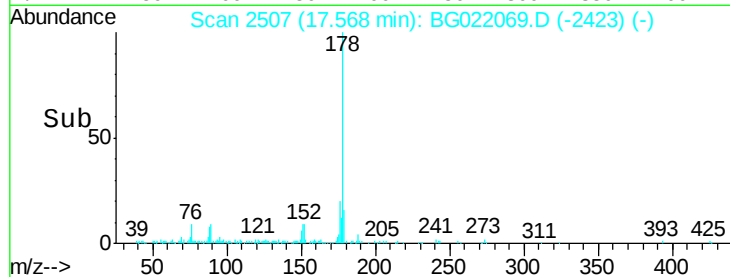
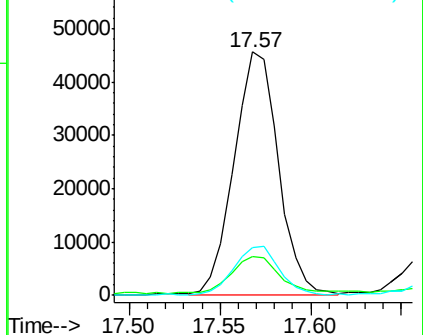
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#28

Fluoranthene

Concen: 11.46 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG022069.D

Acq: 25 May 2016 22:04

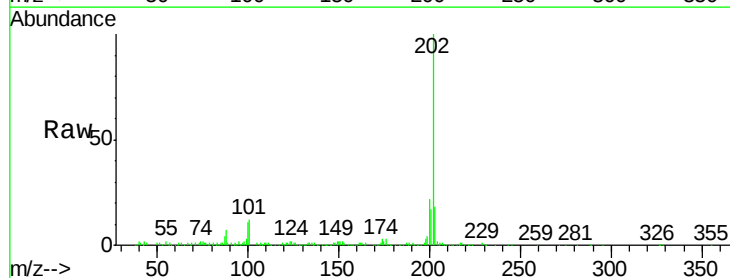
Tgt Ion:202 Resp: 160968

Ion Ratio Lower Upper

202 100

101 12.3 8.9 13.3

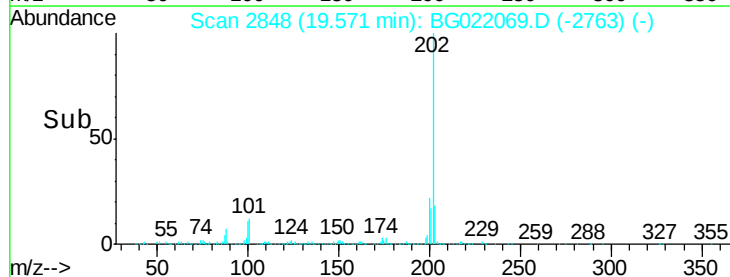
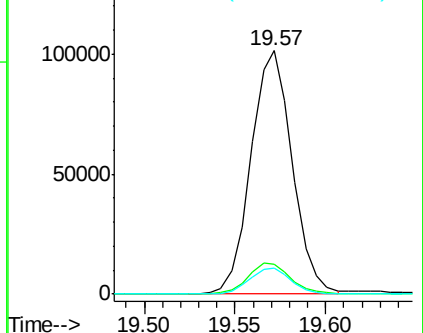
100 10.8 7.0 10.4#

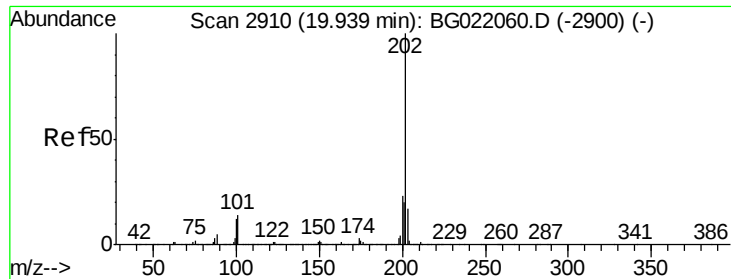


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





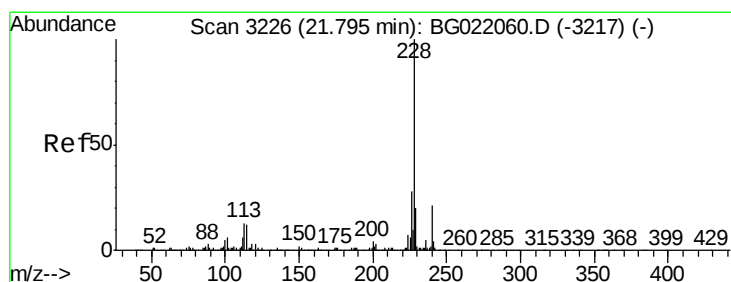
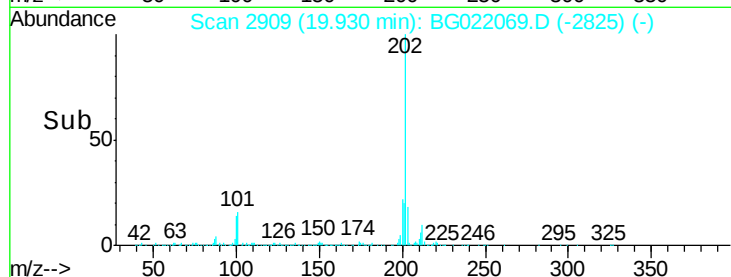
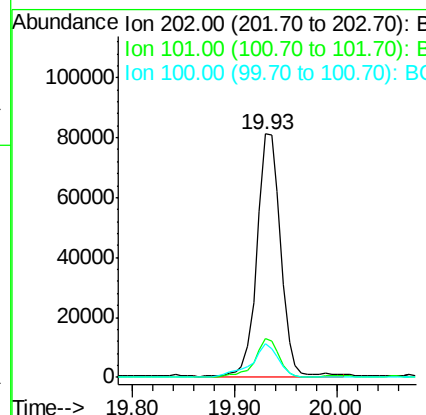
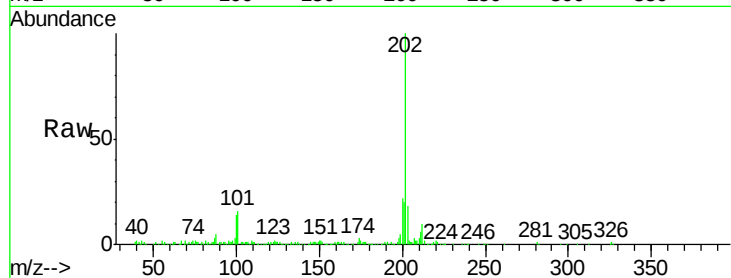
#31
Pvrene
Concen: 8.85 ng/ul m
RT: 19.93 min Scan# 2909
Delta R.T. -0.01 min
Lab File: BG022069.D
Acq: 25 May 2016 22:04

Instrument :
BNA_G
ClientSampleId :
D9XJ6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.8	9.8	14.8#
100	14.0	9.3	13.9#

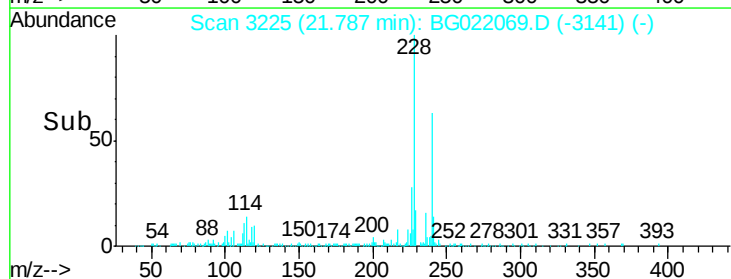
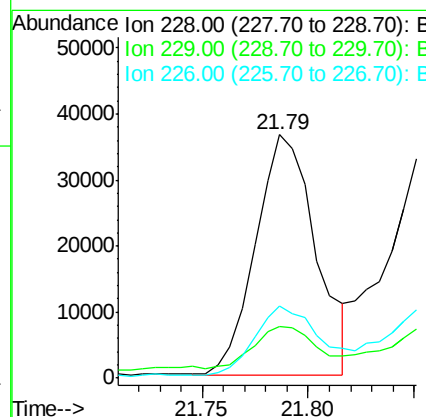
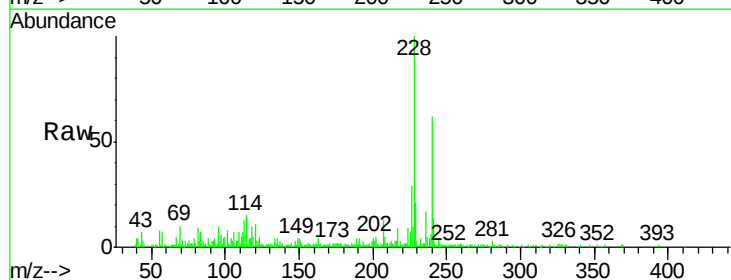
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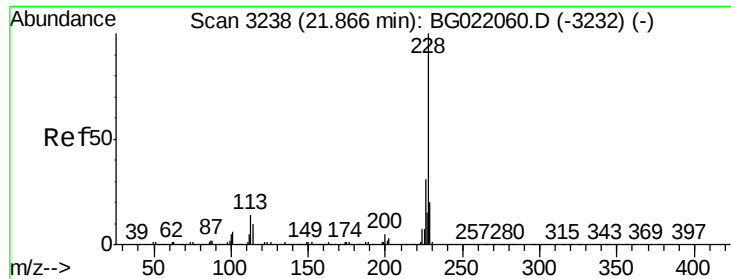
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#32
Benzo(a)anthracene
Concen: 5.93 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. -0.01 min
Lab File: BG022069.D
Acq: 25 May 2016 22:04

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.0	16.6	25.0
226	29.4	21.0	31.4





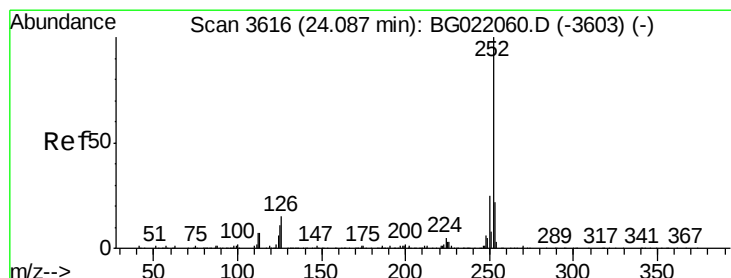
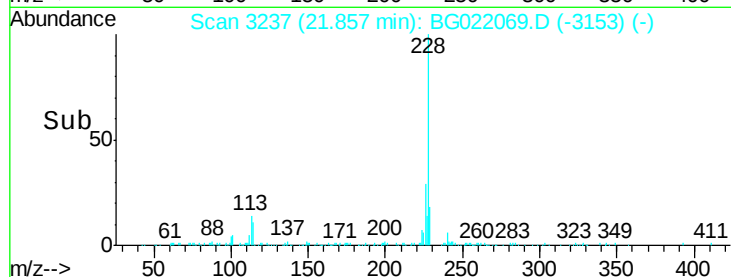
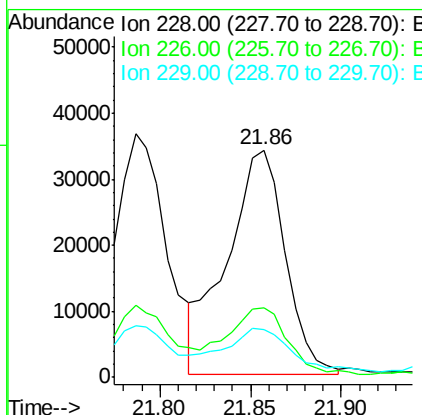
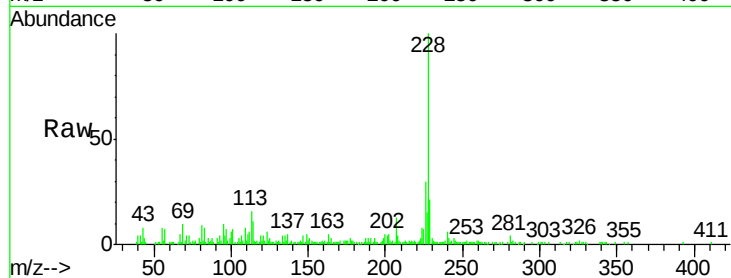
#33
 Chrvsene
 Concen: 6.44 ng/ul
 RT: 21.86 min Scan# 3237
 Delta R.T. -0.01 min
 Lab File: BG022069.D
 Acq: 25 May 2016 22:04

Instrument :
 BNA_G
 ClientSampled :
 D9XJ6

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.4	35.2
229	21.1	16.2	24.2

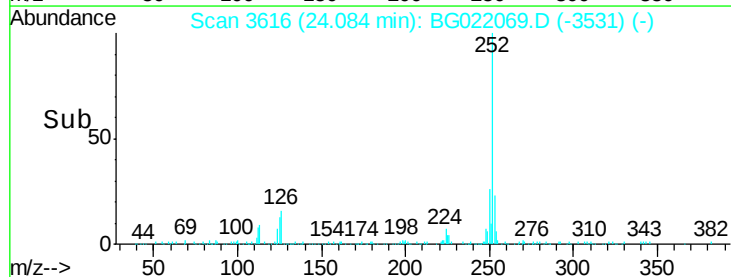
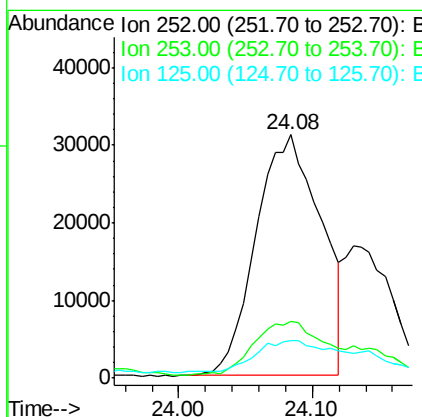
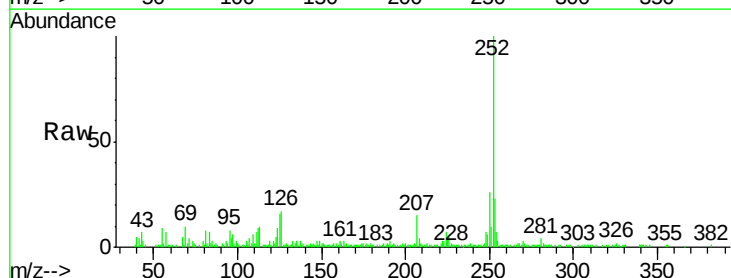
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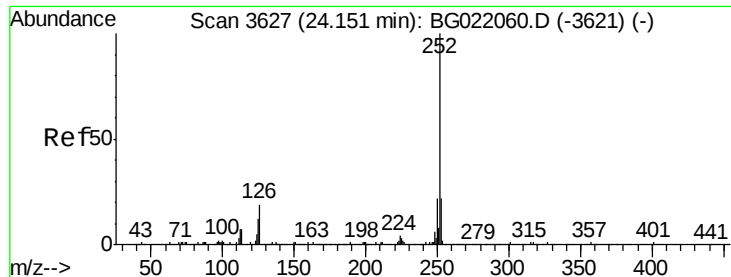
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#35
 Benzo(b)fluoranthene
 Concen: 8.55 ng/ul
 RT: 24.08 min Scan# 3616
 Delta R.T. -0.00 min
 Lab File: BG022069.D
 Acq: 25 May 2016 22:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	15.6	7.6	11.4





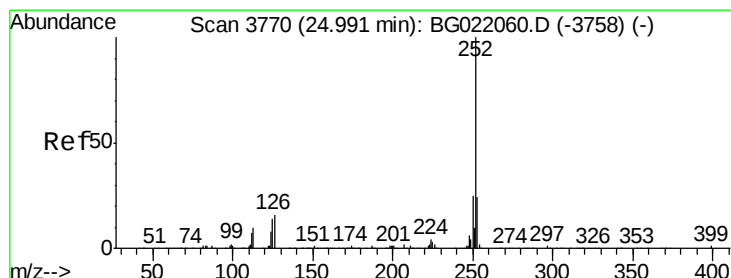
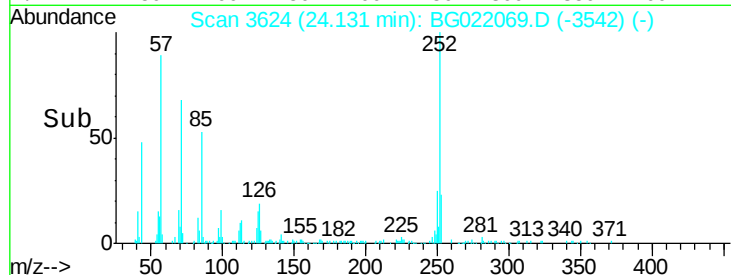
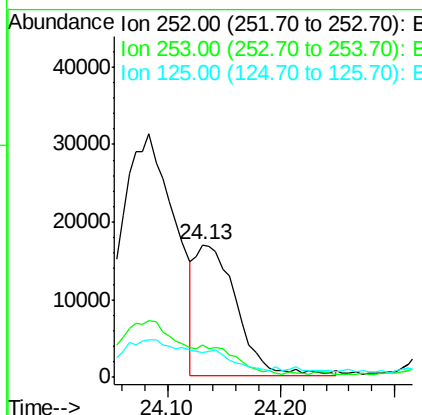
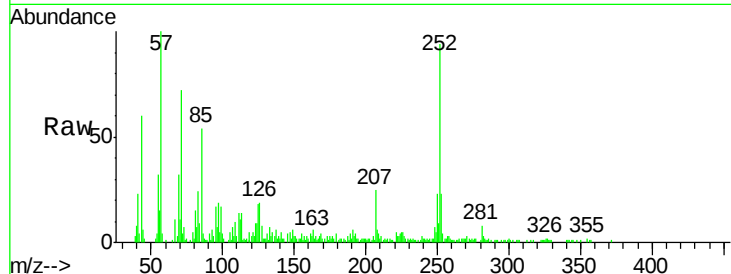
#36
Benzo(k)fluoranthene
Concen: 3.63 ng/ul m
RT: 24.13 min Scan# 3624
Delta R.T. -0.02 min
Lab File: BG022069.D
Acq: 25 May 2016 22:04

Instrument :
BNA_G
ClientSampleId :
D9XJ6

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.8
125	19.0	7.7	11.5#

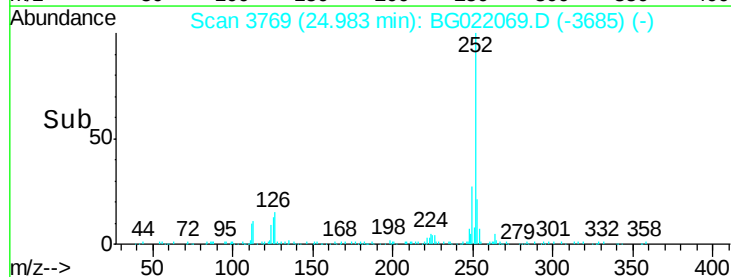
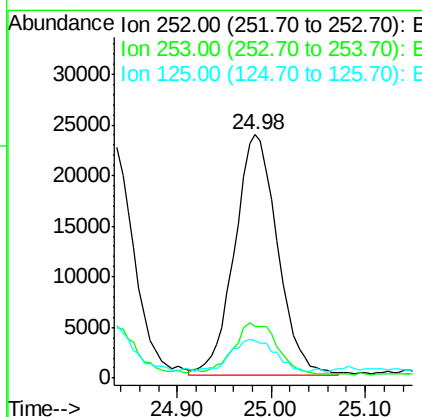
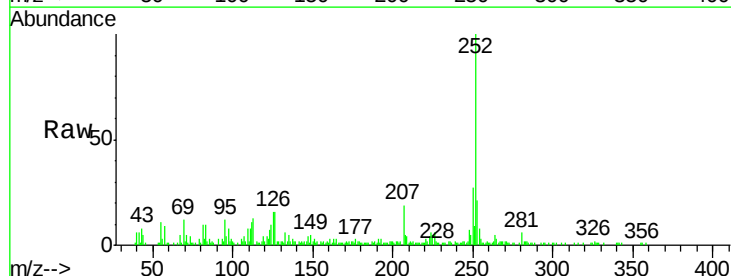
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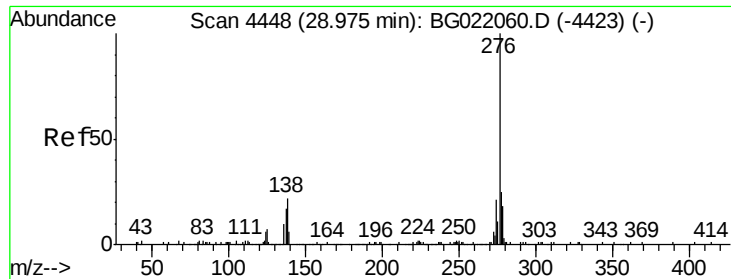
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#38
Benzo(a)pyrene
Concen: 6.40 ng/ul
RT: 24.98 min Scan# 3769
Delta R.T. -0.01 min
Lab File: BG022069.D
Acq: 25 May 2016 22:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	15.5	8.2	12.2#





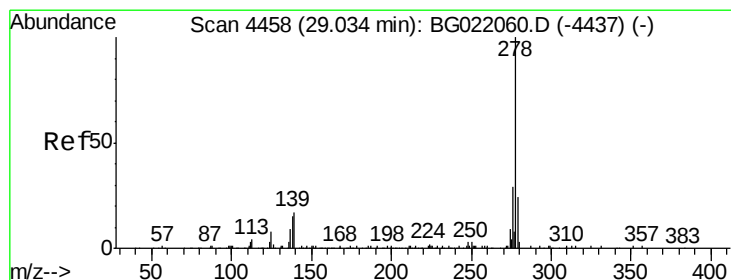
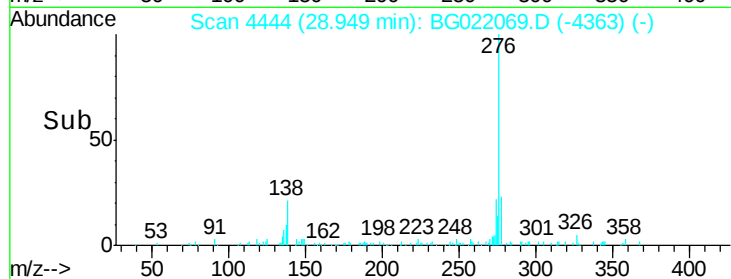
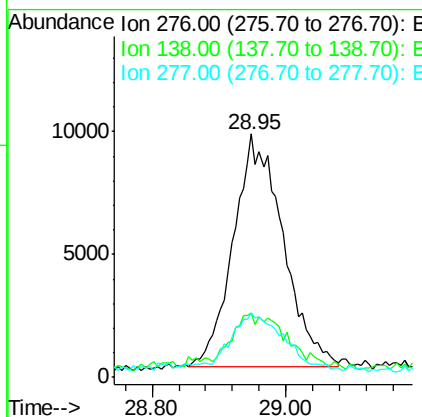
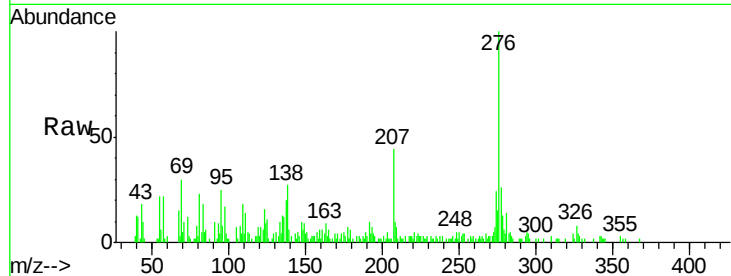
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 3.65 ng/ul
 RT: 28.95 min Scan# 4444
 Delta R.T. -0.03 min
 Lab File: BG022069.D
 Acq: 25 May 2016 22:04

Instrument :
 BNA_G
 ClientSampleId :
 D9XJ6

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.6	15.8	23.6#
277	26.2	19.0	28.6

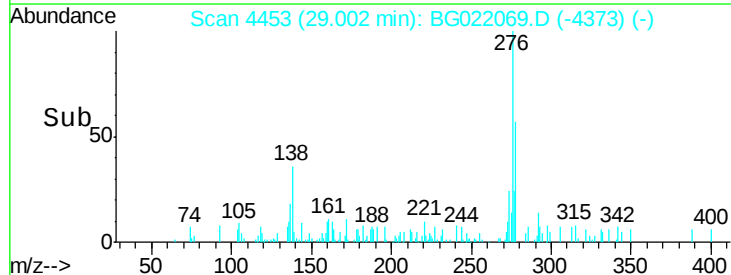
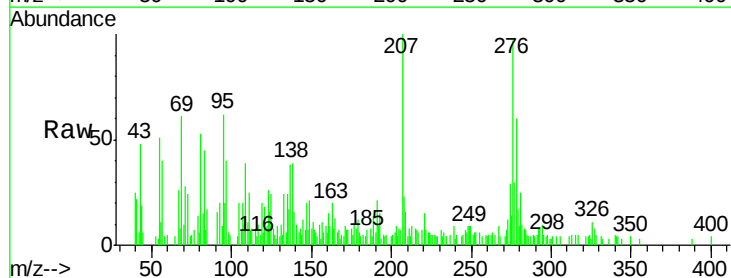
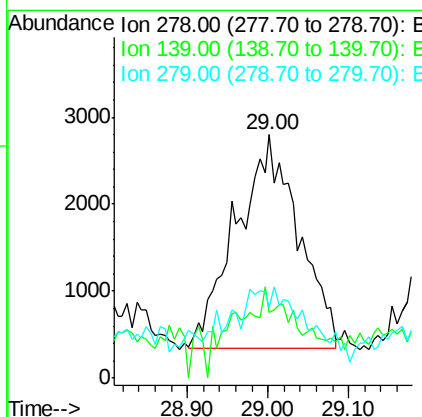
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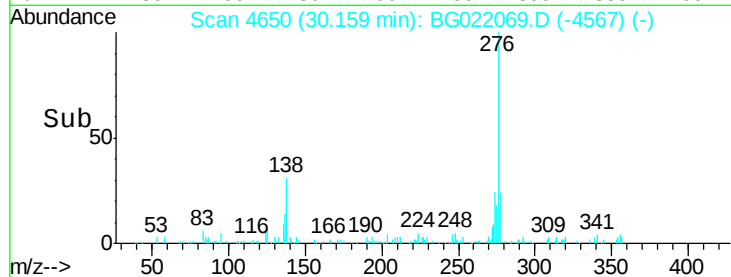
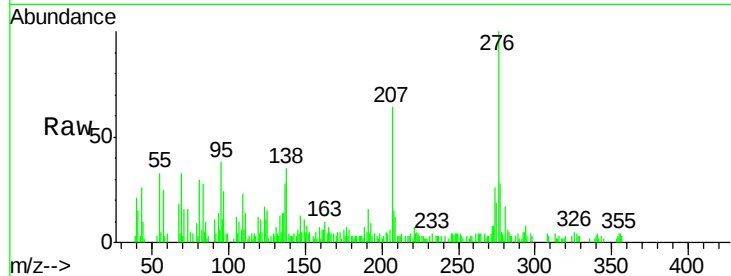
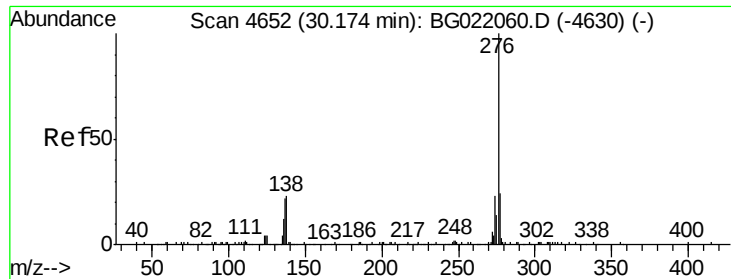
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#40
 Dibenzo(a,h)anthracene
 Concen: 1.18 ng/ul m
 RT: 29.00 min Scan# 4453
 Delta R.T. -0.03 min
 Lab File: BG022069.D
 Acq: 25 May 2016 22:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.9	12.1	18.1#
279	28.9	19.8	29.8





#41
Benzo(a,h,i)perylene
Concen: 3.91 ng/ul
RT: 30.16 min Scan# 4650
Delta R.T. -0.01 min
Lab File: BG022069.D
Acq: 25 May 2016 22:04

Instrument :
BNA_G
ClientSampleId :
D9XJ6

Tot Ion	Ratio	Lower	Upper
276	100		
138	34.9	13.9	20.9#
277	27.6	19.8	29.6

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