

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051916\
 Data File : BG021960.D
 Acq On : 19 May 2016 12:51
 Operator : UM/SJ
 Sample : H3096-06DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 D9XG1DL

Manual Integrations
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Quant Time: May 20 07:55:43 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 05:44:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	36791	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	201096	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	122697	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	258959	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	239784	20.00	ng/ul	0.00
34) Perylene-d12	25.14	264	226711	20.00	ng/ul	0.00

System Monitoring Compounds

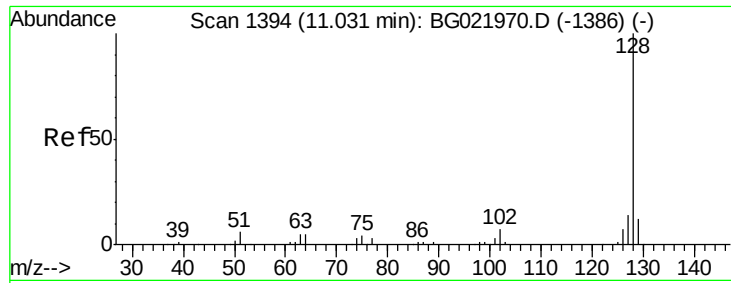
2) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
3) Phenol-d5	7.32	99	3719	1.14	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.49	67	2116m	1.22	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	4030	1.51	ng/ul	0.00
6) 4-Methylphenol-d8	8.88	113	2002m	0.69	ng/ul	0.01
8) Nitrobenzene-d5	9.35	128	1645m	1.17	ng/ul	0.02
9) 2-Nitrophenol-d4	10.06	143	1535	1.02	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.59	165	3335	1.25	ng/ul	0.00
12) 4-Chloroaniline-d4	11.13	131	1282	0.61	ng/ul	0.02
16) Dimethylphthalate-d6	14.18	166	18085	1.91	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	24535	2.01	ng/ul	0.00
20) 4-Nitrophenol-d4	15.15	143	187	0.11	ng/ul	0.17
21) Fluorene-d10	15.77	176	16880	1.98	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	391	0.30	ng/ul	0.00
26) Anthracene-d10	17.62	188	26032	2.18	ng/ul	0.00
30) Pyrene-d10	19.90	212	26439	2.09	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.90	264	21868	2.17	ng/ul	0.00

Target Compounds

						Qvalue
11) Naphthalene	11.02	128	57944	5.92	ng/ul	99
13) 2-Methylnaphthalene	12.62	142	14108	1.99	ng/ul	99
14) 1-Methylnaphthalene	12.84	142	10512	1.45	ng/ul#	93
19) Acenaphthene	14.84	153	43625	5.01	ng/ul	96
22) Fluorene	15.82	166	65419	6.78	ng/ul	98
25) Phenanthrene	17.57	178	610534	44.11	ng/ul	96
27) Anthracene	17.66	178	131349	9.44	ng/ul	98
28) Fluoranthene	19.57	202	603929	41.98	ng/ul#	91
31) Pyrene	19.93	202	437230	26.48	ng/ul#	90
32) Benzo(a)anthracene	21.79	228	214344	16.11	ng/ul	97
33) Chrysene	21.86	228	174741	13.50	ng/ul	97
35) Benzo(b)fluoranthene	24.07	252	214280	16.44	ng/ul#	95
36) Benzo(k)fluoranthene	24.13	252	75934m	5.92	ng/ul	
38) Benzo(a)pyrene	24.97	252	140849	11.30	ng/ul#	90
39) Indeno(1,2,3-cd)pyrene	28.94	276	95134	6.72	ng/ul#	90
40) Dibenzo(a,h)anthracene	28.97	278	24508m	2.09	ng/ul	
41) Benzo(g,h,i)perylene	30.11	276	86333m	7.20	ng/ul	

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

```
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051916\  
Data File : BG021960.D  
Acq On    : 19 May 2016  12:51  
Operator  : UM/SJ  
Sample    : H3096-06DL 10X  
Misc      :  
ALS Vial  : 5      Sample Multiplier: 1
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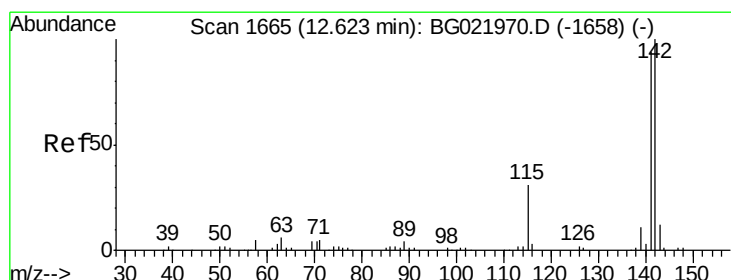
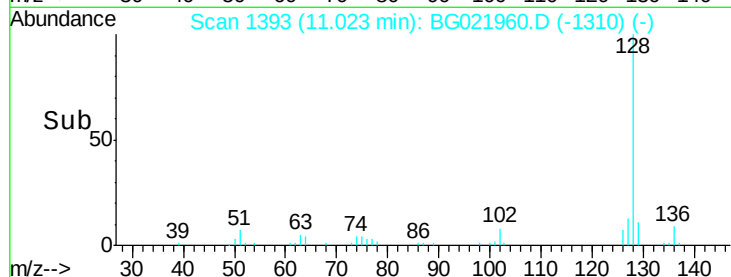
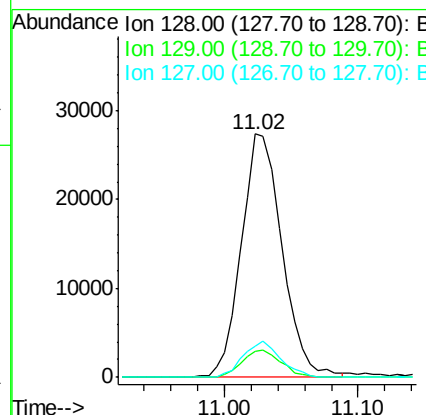
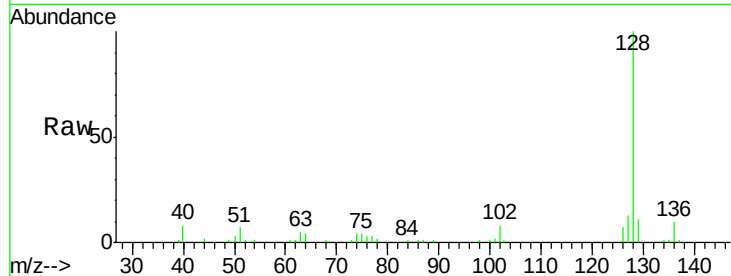
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Naphthalene
Concen: 5.92 ng/ul
RT: 11.02 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BG021960.D
Acq: 19 May 2016 12:51

Instrument :
BNA_G
ClientSampleId :
D9XG1DL

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	57944		
129	10.6		8.3	12.5
127	12.9		10.8	16.2

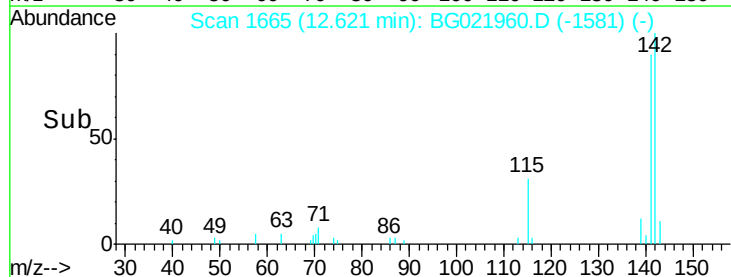
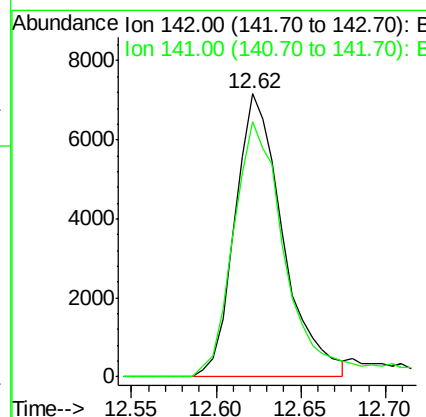
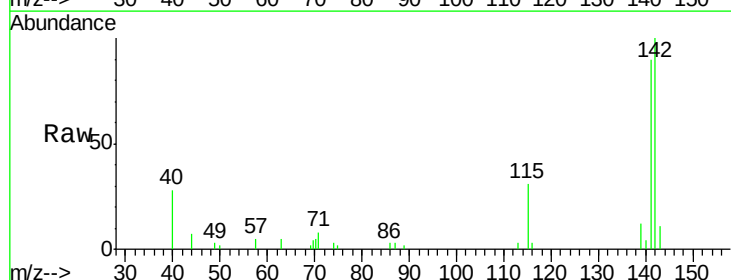
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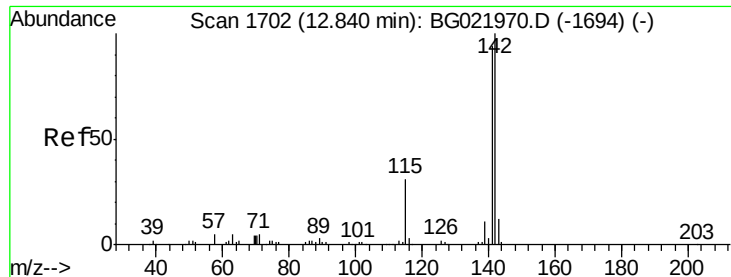
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#13
2-Methylnaphthalene
Concen: 1.99 ng/ul
RT: 12.62 min Scan# 1665
Delta R.T. -0.00 min
Lab File: BG021960.D
Acq: 19 May 2016 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	14108		
141	90.3		71.3	106.9





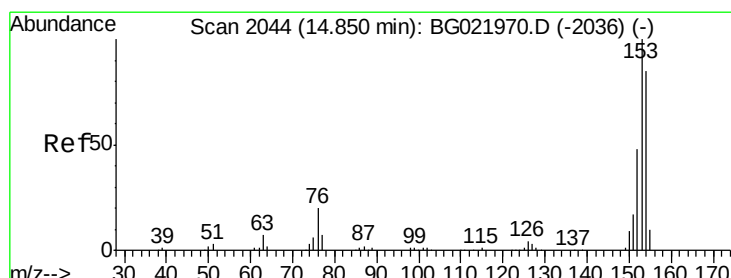
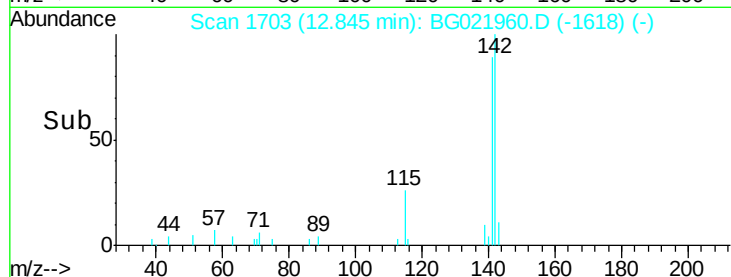
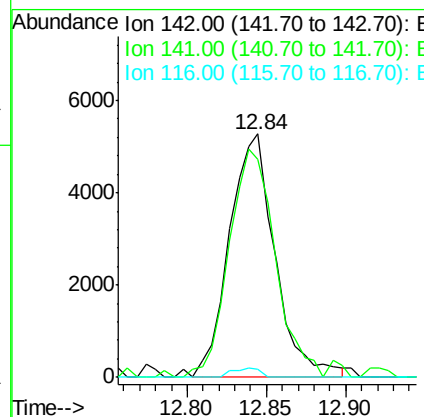
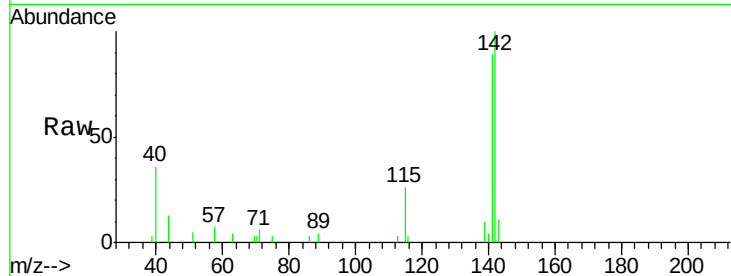
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 1-Methylnaphthalene
 Concen: 1.45 ng/ul
 RT: 12.84 min Scan# 1703
 Delta R.T. 0.00 min
 Lab File: BG021960.D
 Acq: 19 May 2016 12:51

Instrument :
 BNA_G
 ClientSampleId :
 D9XG1DL

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	10512		
141	89.5	77.0	115.4	
116	3.3	4.2	6.4#	

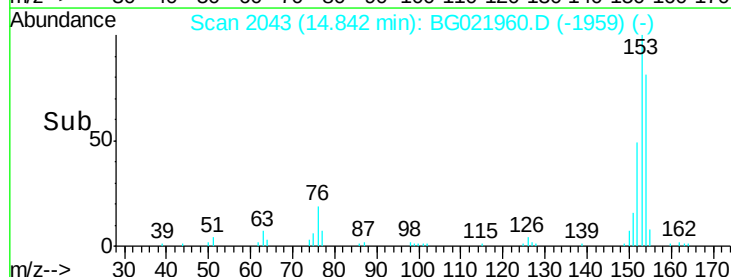
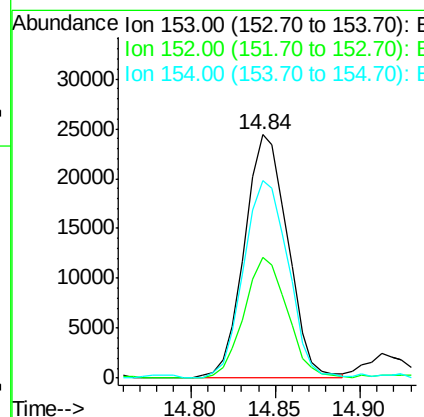
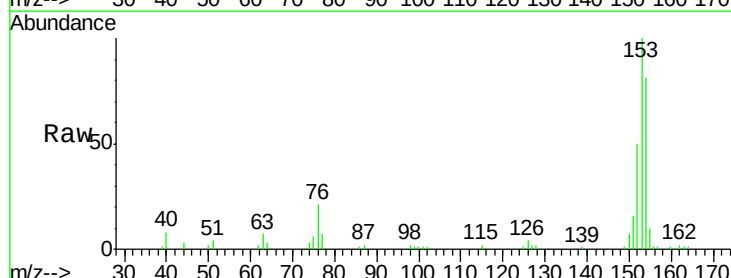
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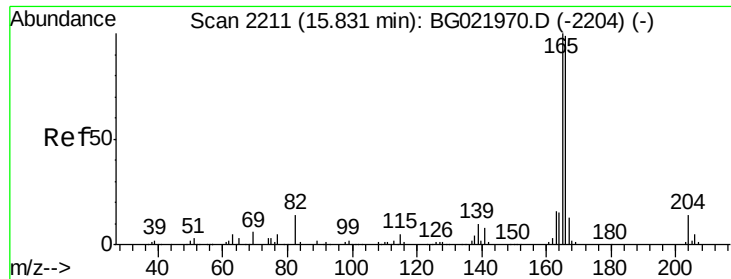
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#19
 Acenaphthene
 Concen: 5.01 ng/ul
 RT: 14.84 min Scan# 2043
 Delta R.T. -0.00 min
 Lab File: BG021960.D
 Acq: 19 May 2016 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	43625		
152	49.8	36.5	54.7	
154	81.3	67.3	100.9	





#22

Fluorene

Concen: 6.78 ng/ul

RT: 15.82 min Scan# 2210

Delta R.T. -0.00 min

Lab File: BG021960.D

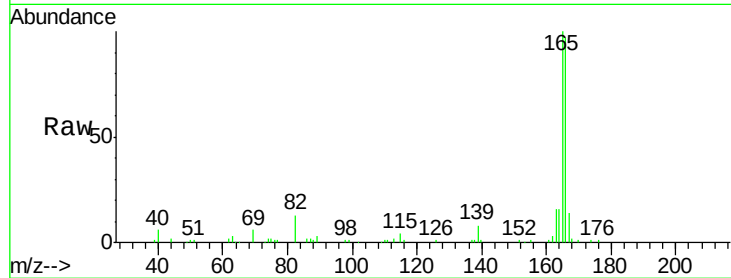
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Instrument :

BNA_G

ClientSampleId :

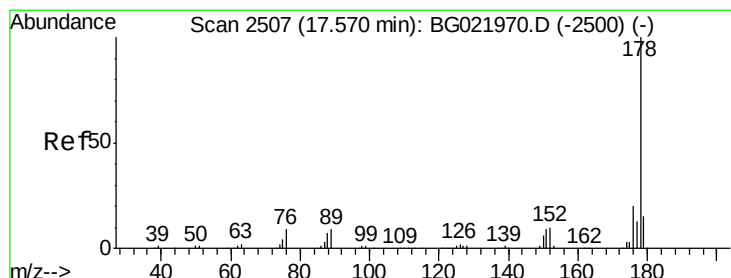
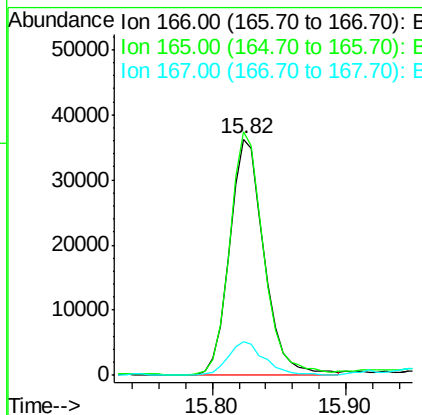
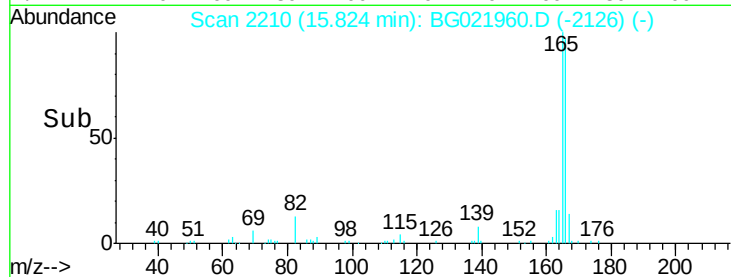
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Tgt Ion:	166	Resp:	65419
Ion Ratio	Lower	Upper	
166	100		
165	103.1	81.1	121.7
167	14.3	10.6	16.0

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#25

Phenanthrene

Concen: 44.11 ng/ul

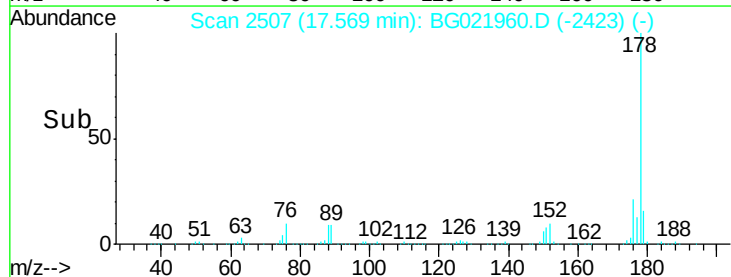
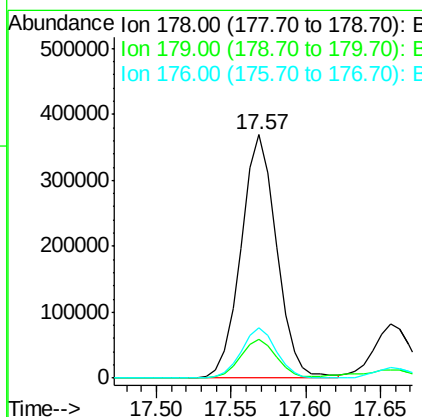
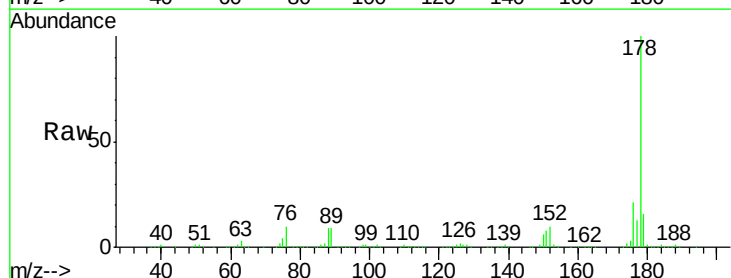
RT: 17.57 min Scan# 2507

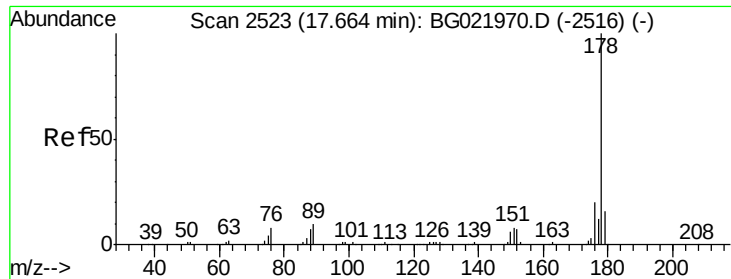
Delta R.T. -0.00 min

Lab File: BG021960.D

Acq: 19 May 2016 12:51

Tgt Ion:	178	Resp:	610534
Ion Ratio	Lower	Upper	
178	100		
179	16.2	11.8	17.8
176	20.7	14.8	22.2





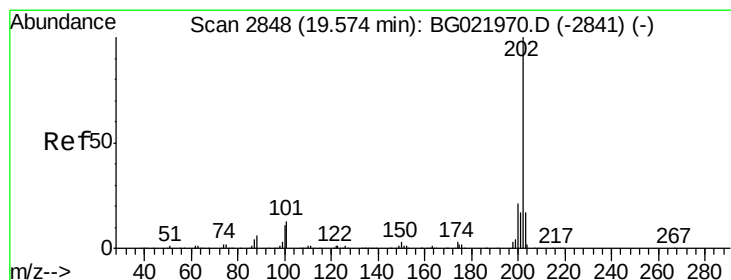
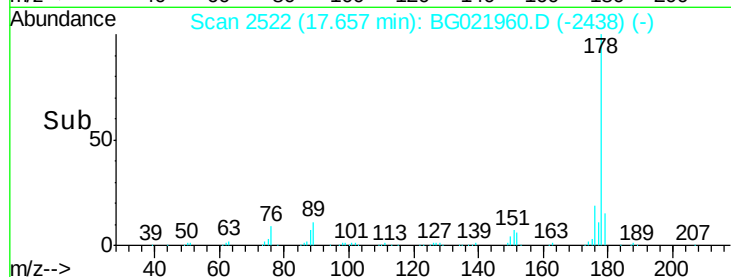
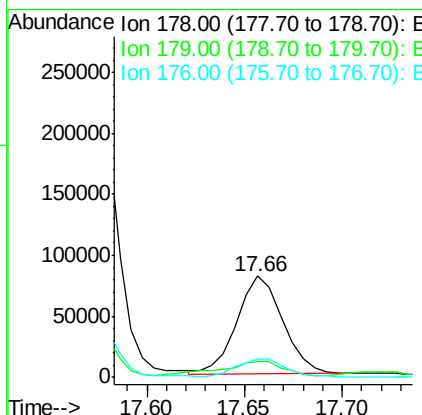
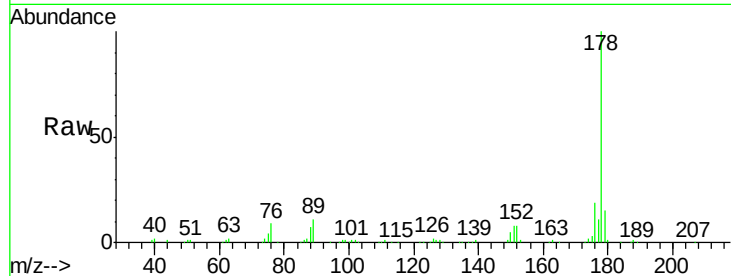
#27
 Anthracene
 Concen: 9.44 ng/ul
 RT: 17.66 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: BG021960.D
 Acq: 19 May 2016 12:51

Instrument :
 BNA_G
 ClientSampleId :
 D9XG1DL

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	131349		
179	15.3	12.9	19.3	
176	18.8	15.6	23.4	

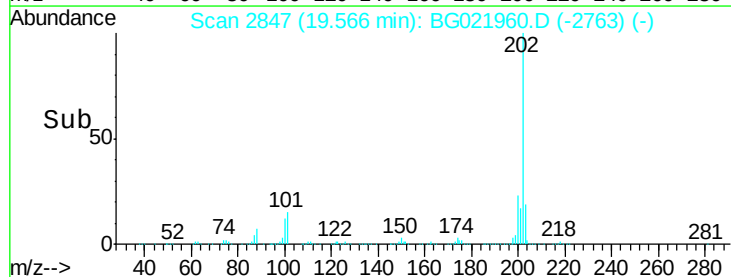
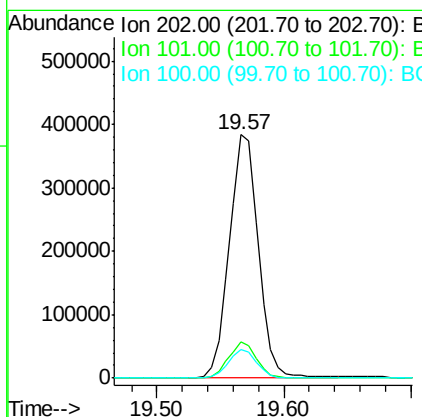
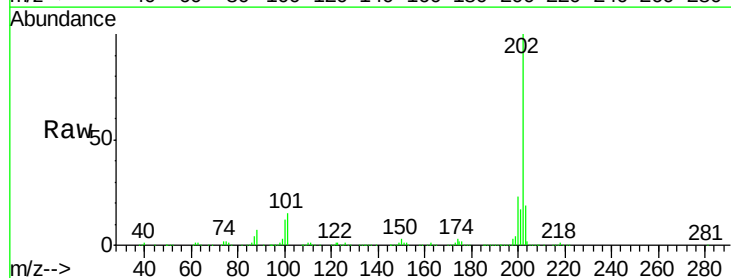
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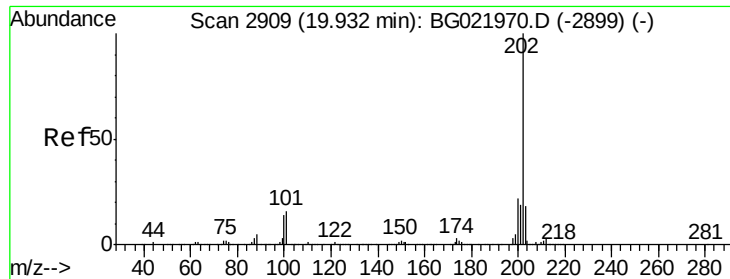
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#28
 Fluoranthene
 Concen: 41.98 ng/ul
 RT: 19.57 min Scan# 2847
 Delta R.T. -0.00 min
 Lab File: BG021960.D
 Acq: 19 May 2016 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	603929		
101	14.8	8.9	13.3#	
100	11.8	7.0	10.4#	





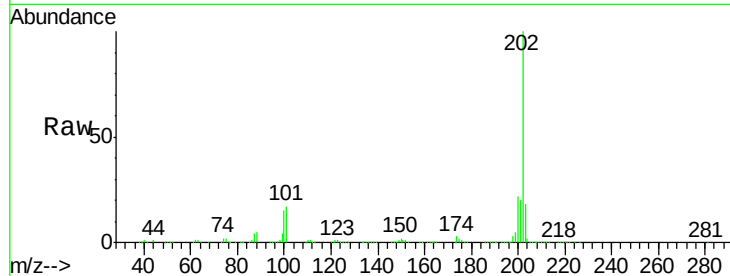
#31
 Pyrene
 Concen: 26.48 ng/ul
 RT: 19.93 min Scan# 2909
 Delta R.T. 0.00 min
 Lab File: BG021960.D
 Acq: 19 May 2016 12:51

Instrument :
 BNA_G
 ClientSampleId :
 D9XG1DL

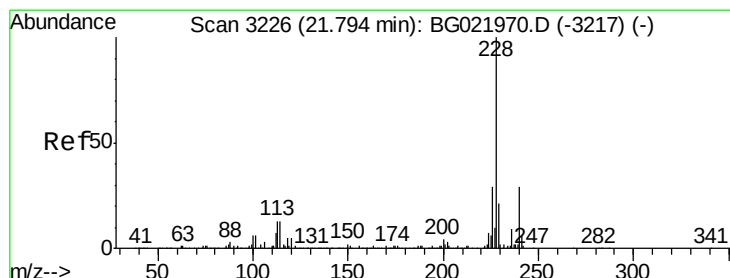
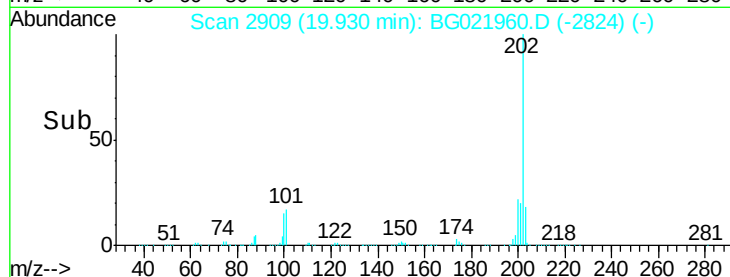
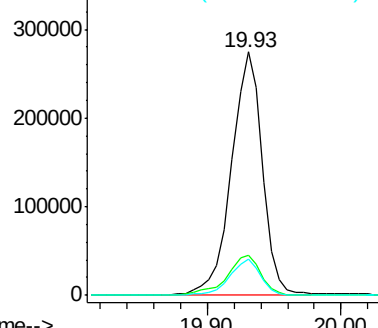
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	16.7	9.8	14.8#
100	14.7	9.3	13.9#

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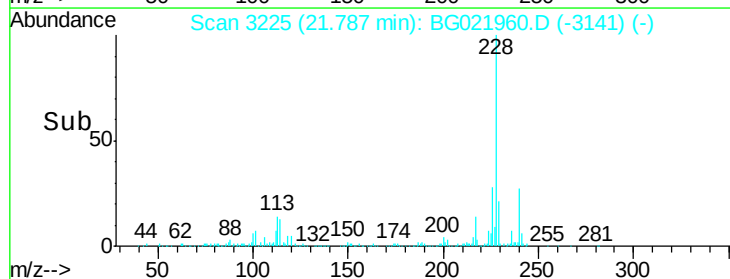
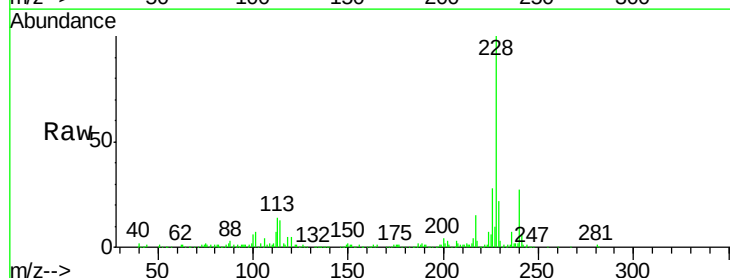
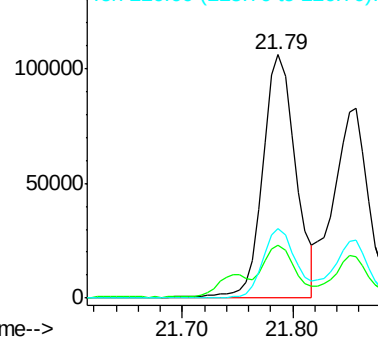
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 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

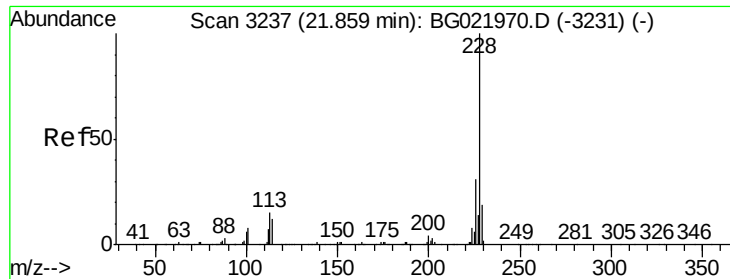


#32
 Benzo(a)anthracene
 Concen: 16.11 ng/ul
 RT: 21.79 min Scan# 3225
 Delta R.T. -0.00 min
 Lab File: BG021960.D
 Acq: 19 May 2016 12:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.6	16.6	25.0
226	28.4	21.0	31.4

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





#33

Chrysene

Concen: 13.50 ng/ul

RT: 21.86 min Scan# 3237

Delta R.T. 0.00 min

Lab File: BG021960.D

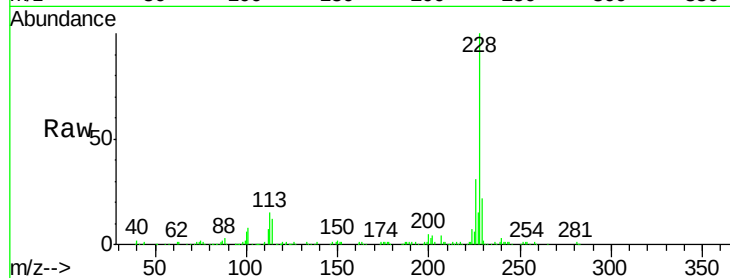
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Instrument :

BNA_G

ClientSampleId :

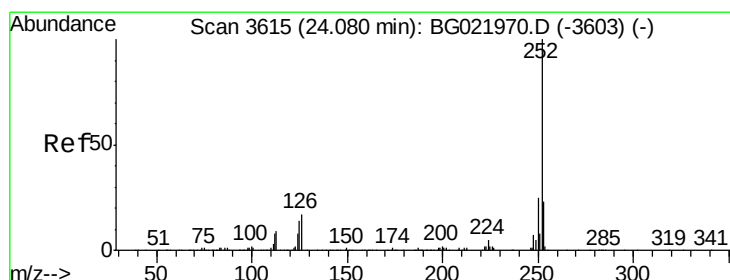
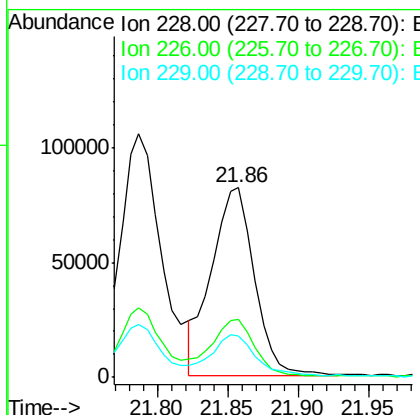
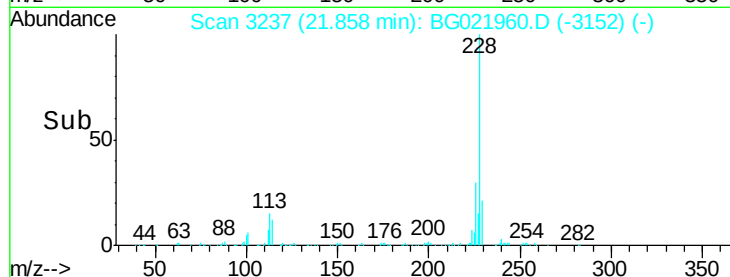
D9XG1DL



Tgt Ion:	228	Resp:	174741
Ion Ratio		Lower	Upper
228	100		
226	30.8	23.4	35.2
229	22.0	16.2	24.2

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#35

Benzo(b)fluoranthene

Concen: 16.44 ng/ul

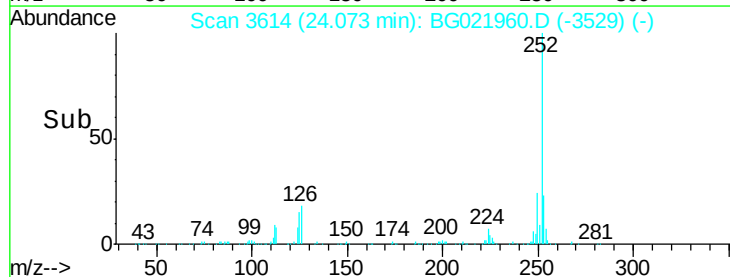
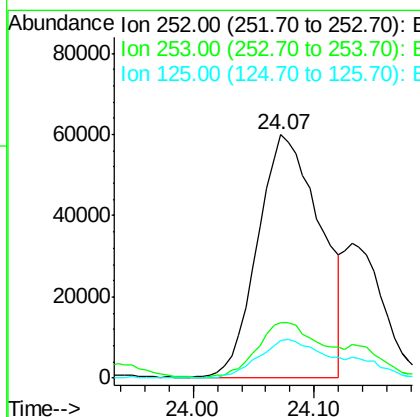
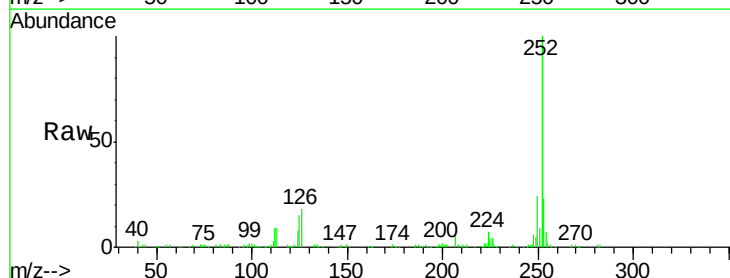
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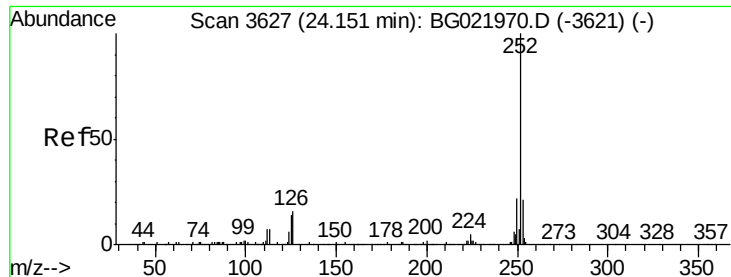
Delta R.T. 0.00 min

Lab File: BG021960.D

Acq: 19 May 2016 12:51

Tgt Ion:	252	Resp:	214280
Ion Ratio		Lower	Upper
252	100		
253	23.0	18.1	27.1
125	15.3	7.6	11.4#





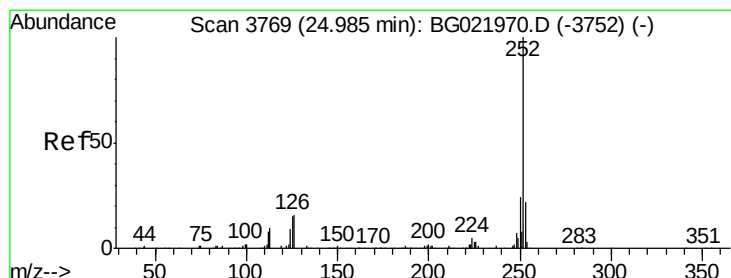
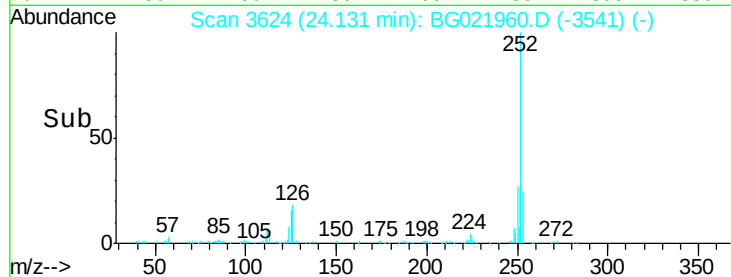
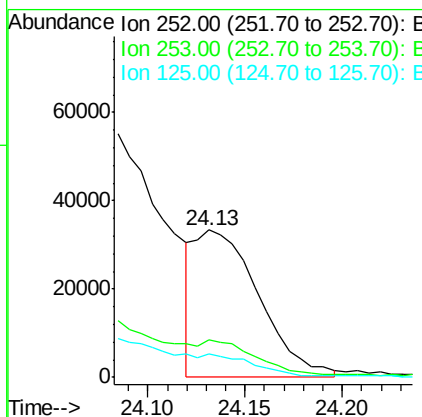
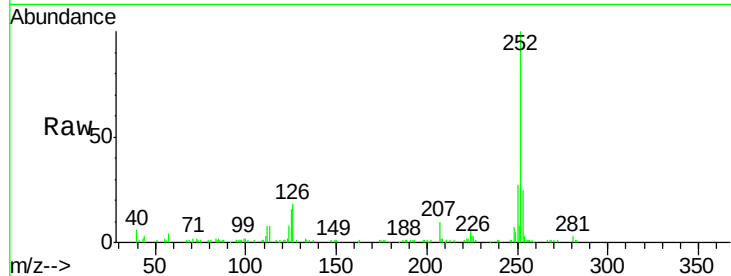
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Benzo(k)fluoranthene
Concen: 5.92 ng/ul m
RT: 24.13 min Scan# 3624
Delta R.T. -0.01 min
Lab File: BG021960.D
Acq: 19 May 2016 12:51

Instrument :
BNA_G
ClientSampleId :
D9XG1DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.8	26.8
125	15.6	7.7	11.5#

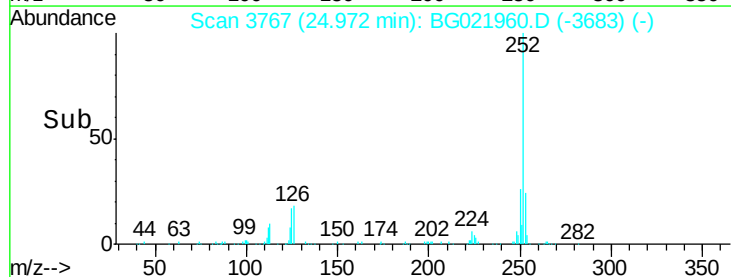
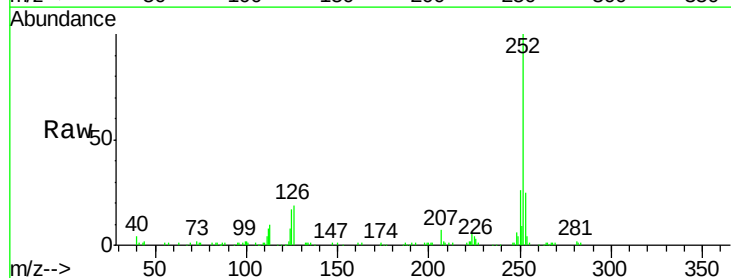
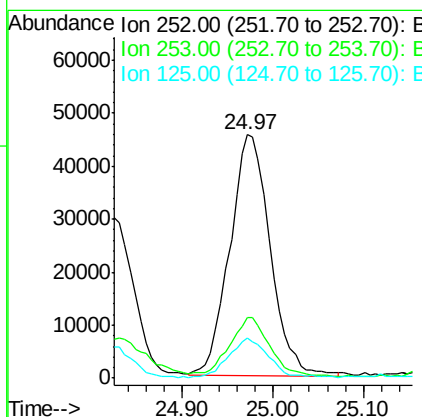
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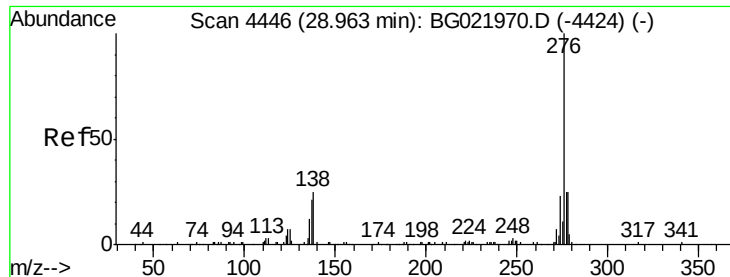
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#38
Benzo(a)pyrene
Concen: 11.30 ng/ul
RT: 24.97 min Scan# 3767
Delta R.T. -0.00 min
Lab File: BG021960.D
Acq: 19 May 2016 12:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.4	26.0
125	16.6	8.2	12.2#





#39

Indeno(1,2,3-cd)pyrene

Concen: 6.72 ng/ul

RT: 28.94 min Scan# 4442

Delta R.T. 0.00 min

Lab File: BG021960.D

Acq: 19 May 2016 12:51

Instrument :

BNA_G

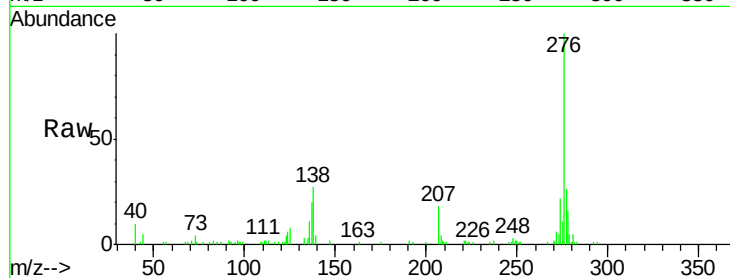
ClientSampleId :

D9XG1DL

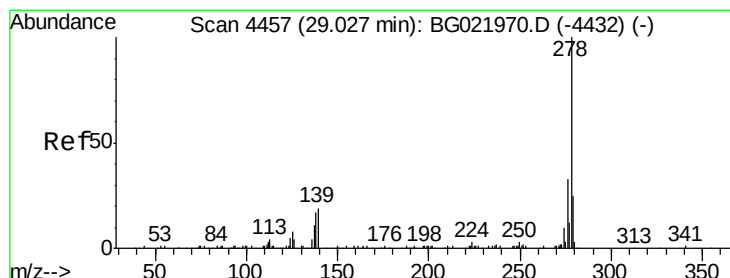
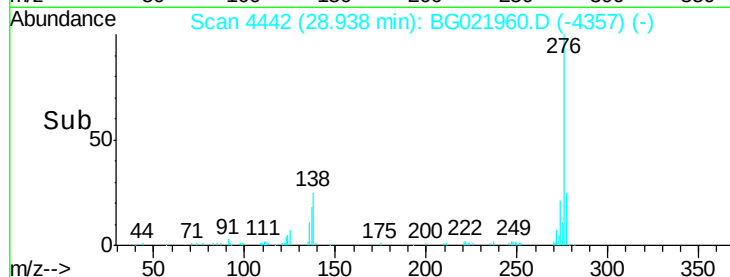
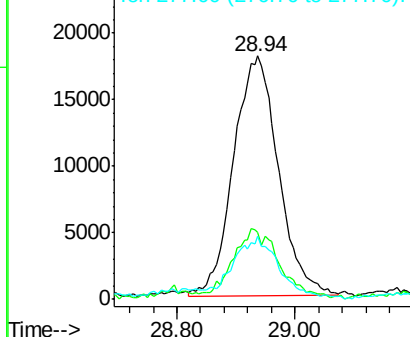
Tgt Ion:	276	Resp:	95134
Ion Ratio	Lower	Upper	
276	100		
138	27.4	15.8	23.6#
277	26.0	19.0	28.6

Manual Integrations
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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



#40

Dibenzo(a,h)anthracene

Concen: 2.09 ng/ul m

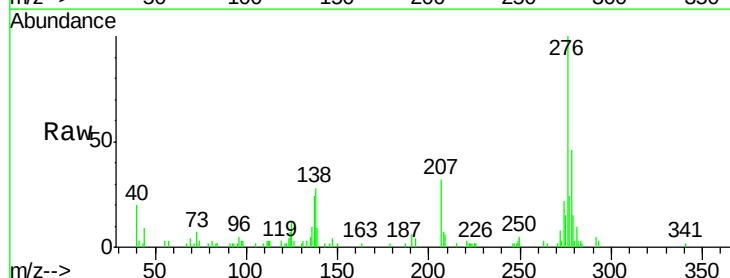
RT: 28.97 min Scan# 4448

Delta R.T. -0.03 min

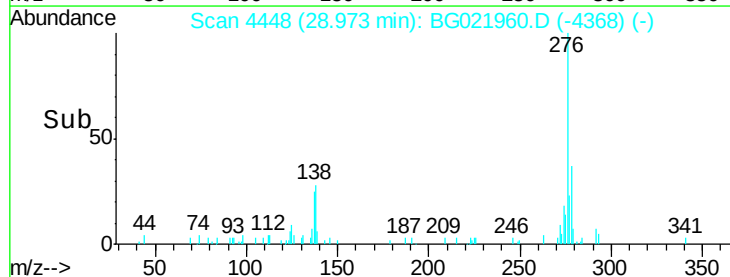
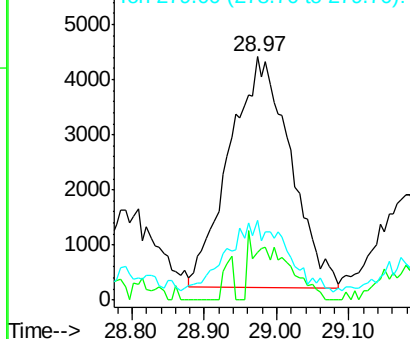
Lab File: BG021960.D

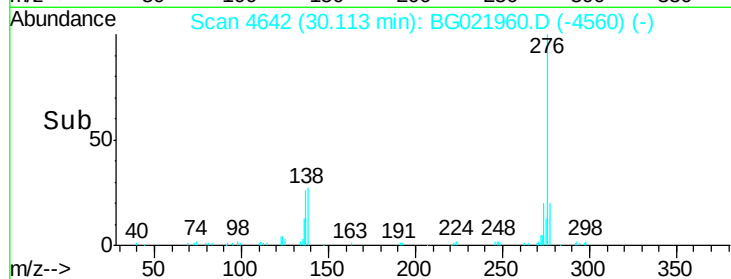
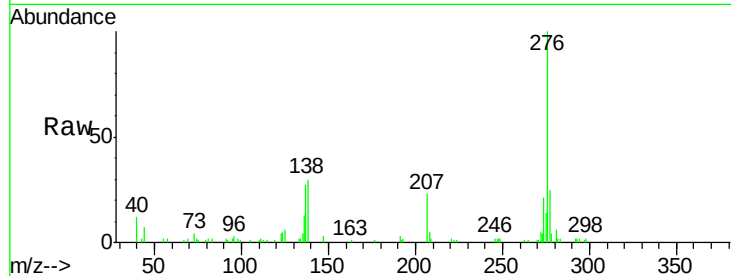
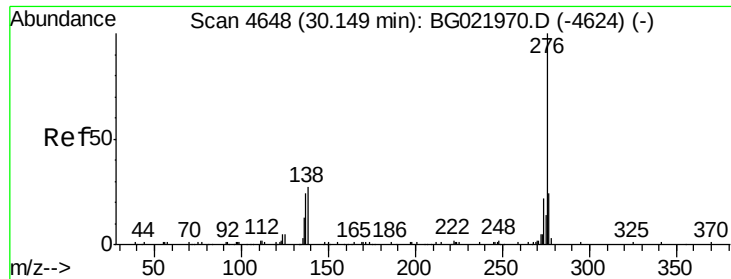
Acq: 19 May 2016 12:51

Tgt Ion:	278	Resp:	24508
Ion Ratio	Lower	Upper	
278	100		
139	19.8	12.1	18.1#
279	32.8	19.8	29.8#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#41

Benzo(g,h,i)perylene

Concen: 7.20 ng/ul m

RT: 30.11 min Scan# 4642

Delta R.T. -0.02 min

Lab File: BG021960.D

Acq: 19 May 2016 12:51

Tgt Ion:	276	Resp:	86333
Ion Ratio	Lower	Upper	
276	100		
138	29.9	13.9	20.9#
277	24.7	19.8	29.6

Instrument :

BNA_G

ClientSampleId :

D9XG1DL

Manual Integrations
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