

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052216\
 Data File : BG022016.D
 Acq On : 22 May 2016 17:22
 Operator : UM/SJ
 Sample : H3204-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XJ7

Manual Integrations
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Quant Time: May 24 09:38:16 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	37952	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	186520	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	101561	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	205679	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	180701	20.00	ng/ul	0.00
34) Perylene-d12	25.15	264	172391	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.54	96	2126	2.57	ng/uL	0.00
3) Phenol-d5	7.31	99	101741	30.36	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.47	67	54780	30.69	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	89467	32.52	ng/ul	0.00
6) 4-Methylphenol-d8	8.86	113	90972	30.47	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	44031	33.65	ng/ul	0.00
9) 2-Nitrophenol-d4	10.05	143	48889	35.02	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.59	165	86421	35.02	ng/ul	0.00
12) 4-Chloroaniline-d4	11.11	131	70375	36.21	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	275344	35.16	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	377370	37.41	ng/ul	0.00
20) 4-Nitrophenol-d4	14.98	143	30582	22.20	ng/ul	0.00
21) Fluorene-d10	15.77	176	248924	35.32	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	28602	28.02	ng/ul	0.00
26) Anthracene-d10	17.63	188	350138	36.95	ng/ul	0.00
30) Pyrene-d10	19.91	212	358509	37.60	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.92	264	299760	39.15	ng/ul	0.00

Target Compounds

						Qvalue
11) Naphthalene	11.03	128	9230	1.02	ng/ul	98
19) Acenaphthene	14.85	153	7330	1.02	ng/ul	100
25) Phenanthrene	17.57	178	86143	7.84	ng/ul	94
27) Anthracene	17.66	178	14068	1.27	ng/ul	95
28) Fluoranthene	19.57	202	193607	16.95	ng/ul#	94
31) Pyrene	19.93	202	177511m	14.26	ng/ul	
32) Benzo(a)anthracene	21.79	228	99637	9.94	ng/ul	96
33) Chrysene	21.86	228	116055	11.90	ng/ul	96
35) Benzo(b)fluoranthene	24.08	252	177913	17.95	ng/ul#	92
36) Benzo(k)fluoranthene	24.15	252	64227m	6.59	ng/ul	
38) Benzo(a)pyrene	24.99	252	114356	12.07	ng/ul#	96
39) Indeno(1,2,3-cd)pyrene	28.97	276	72727	6.75	ng/ul#	90
40) Dibenzo(a,h)anthracene	28.99	278	21030m	2.36	ng/ul	
41) Benzo(g,h,i)perylene	30.15	276	61194m	6.71	ng/ul	

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

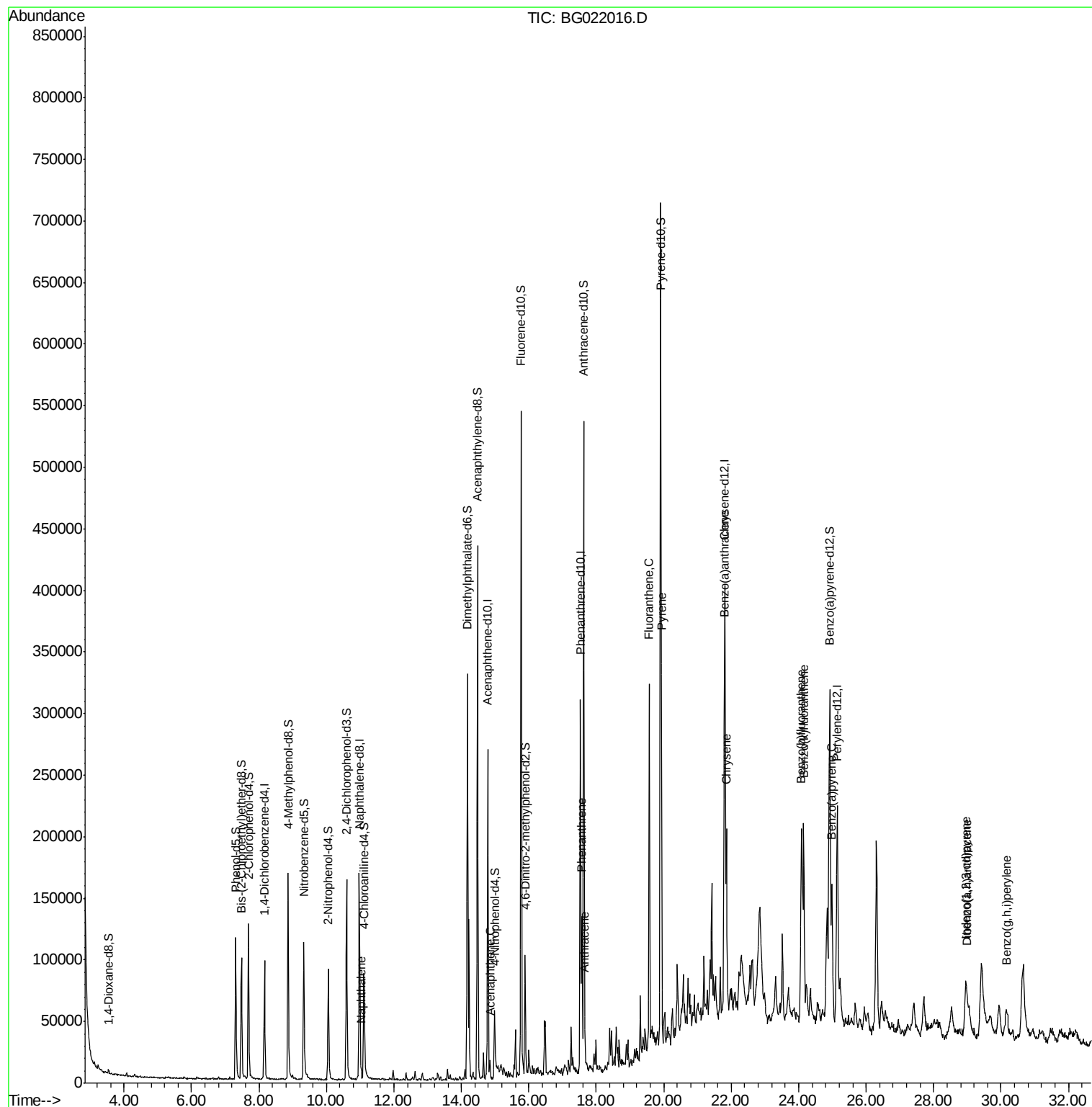
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052216\
Data File : BG022016.D
Acq On : 22 May 2016 17:22
Operator : UM/SJ
Sample : H3204-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

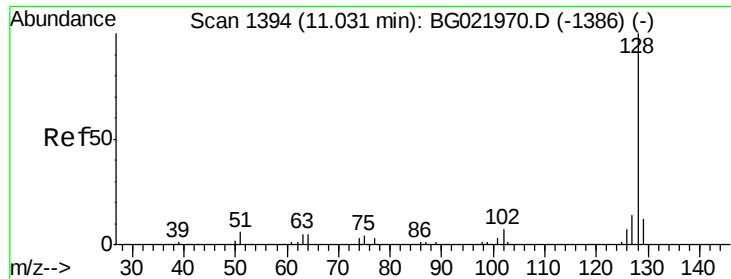
Instrument :
BNA_G
ClientSampleId :
D9XJ7

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Quant Time: May 24 09:38:16 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





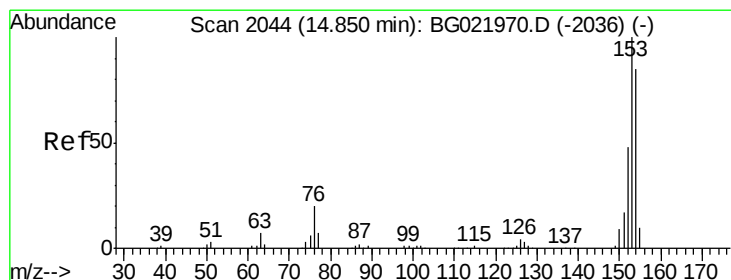
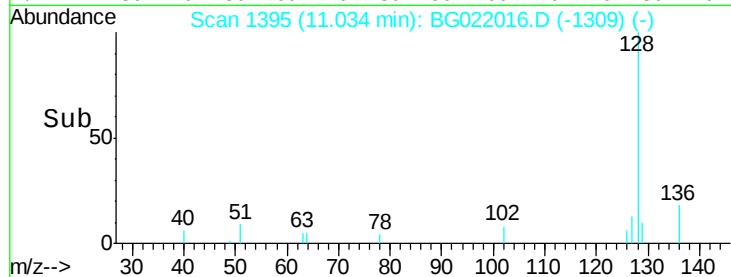
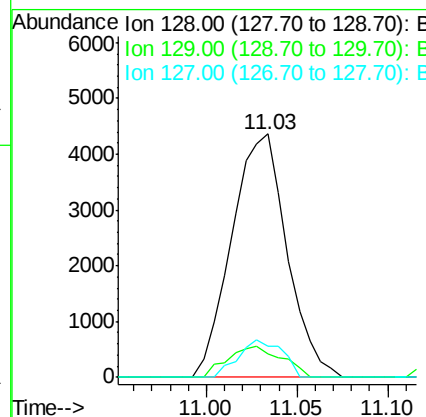
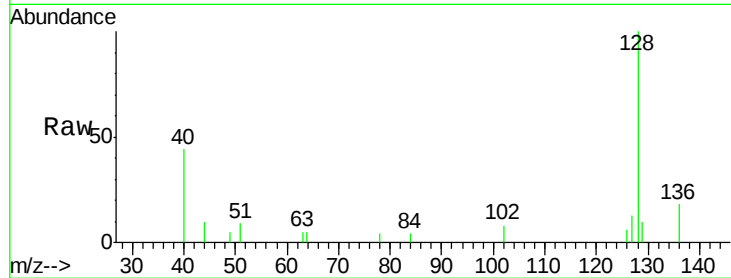
#11
Naphthalene
Concen: 1.02 ng/ul
RT: 11.03 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BG022016.D
Acq: 22 May 2016 17:22

Instrument :
BNA_G
ClientSampleId :
D9XJ7

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.6	8.3	12.5
127	12.7	10.8	16.2

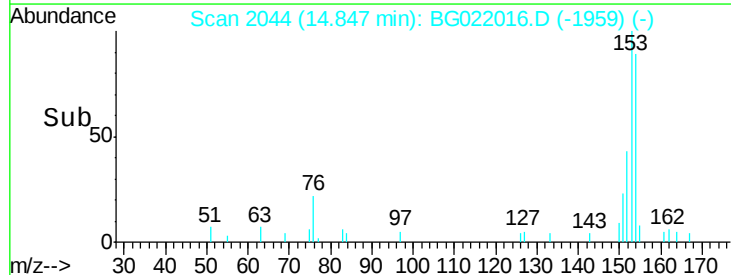
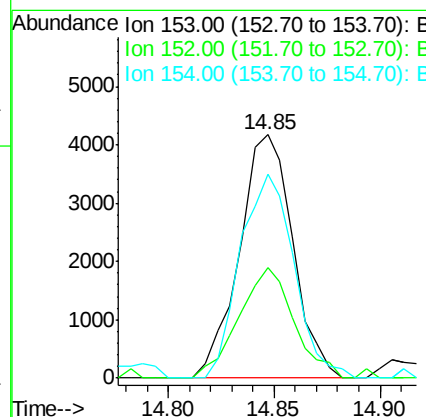
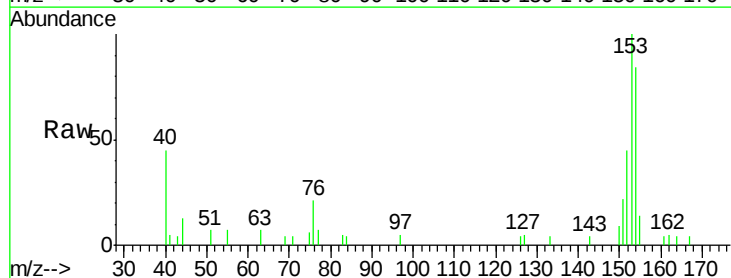
Manual Integrations
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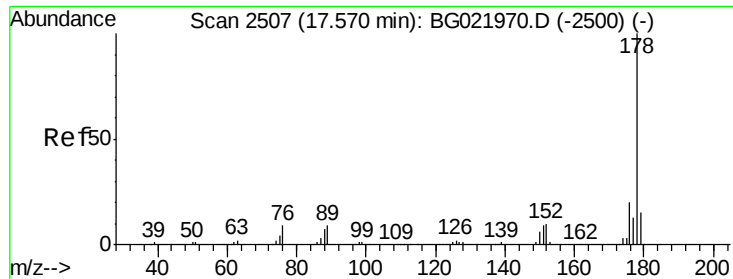
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#19
Acenaphthene
Concen: 1.02 ng/ul
RT: 14.85 min Scan# 2044
Delta R.T. -0.00 min
Lab File: BG022016.D
Acq: 22 May 2016 17:22

Tgt Ion	Ratio	Lower	Upper
153	100		
152	45.4	36.5	54.7
154	84.0	67.3	100.9





#25

Phenanthrene

Concen: 7.84 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. -0.00 min

Lab File: BG022016.D

Acq: 22 May 2016 17:22

Instrument :

BNA_G

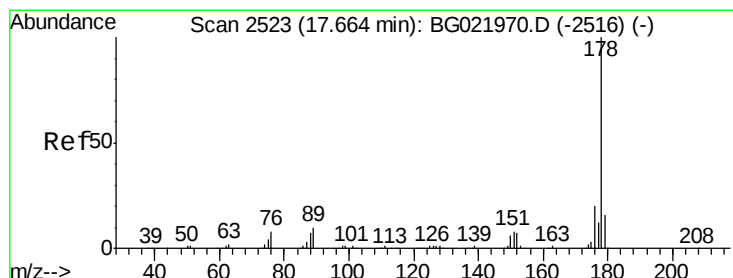
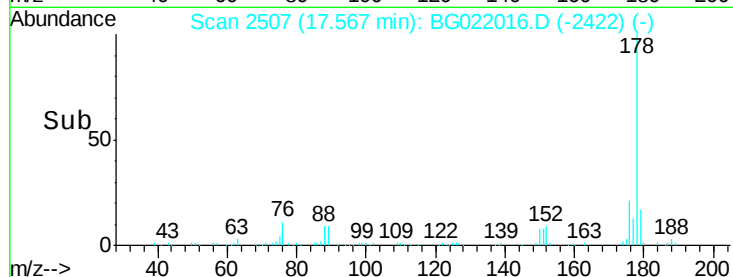
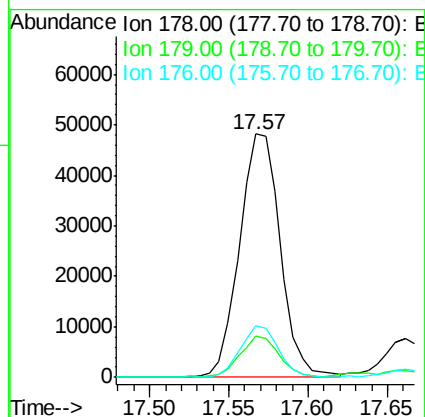
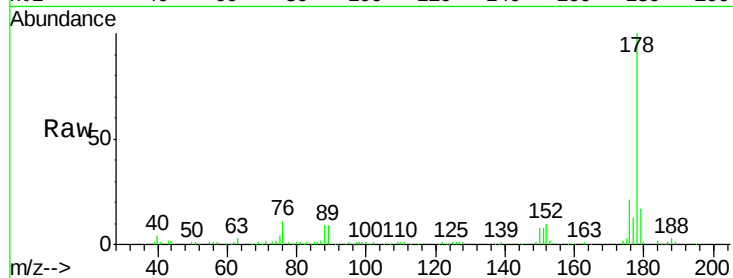
ClientSampleId :

D9XJ7

Tgt Ion:	178	Resp:	86143
Ion Ratio	Lower	Upper	
178	100		
179	17.0	11.8	17.8
176	21.2	14.8	22.2

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#27

Anthracene

Concen: 1.27 ng/ul

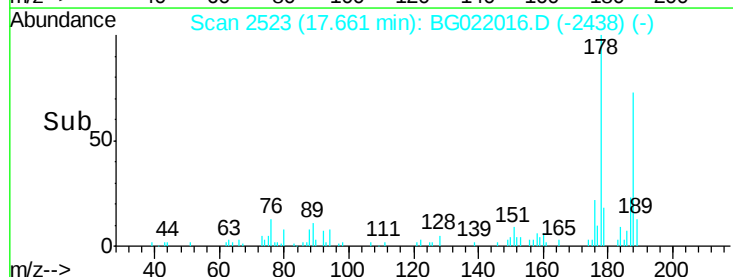
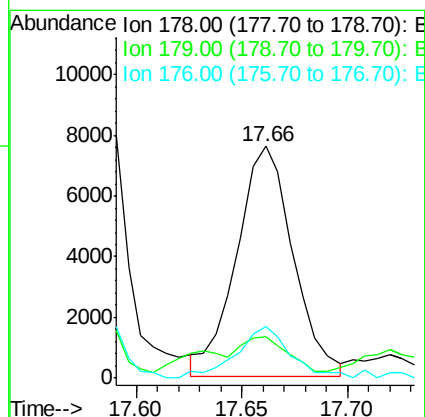
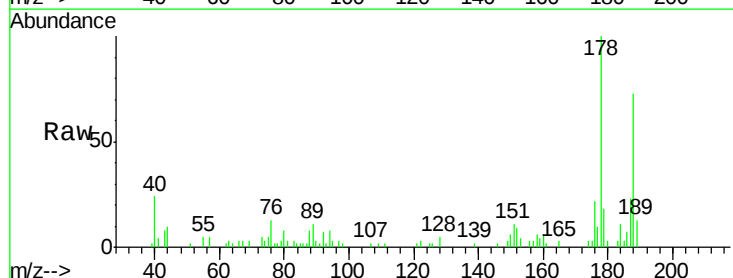
RT: 17.66 min Scan# 2523

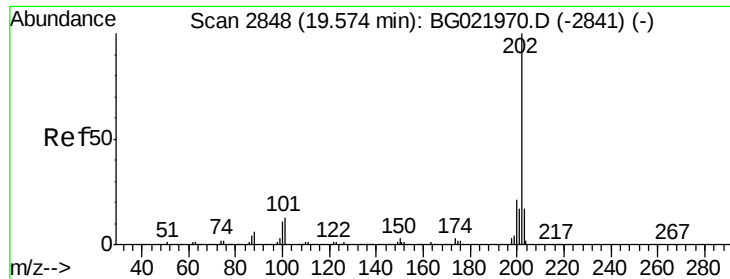
Delta R.T. -0.00 min

Lab File: BG022016.D

Acq: 22 May 2016 17:22

Tgt Ion:	178	Resp:	14068
Ion Ratio	Lower	Upper	
178	100		
179	17.7	12.9	19.3
176	22.0	15.6	23.4





#28

Fluoranthene

Concen: 16.95 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG022016.D

Acq: 22 May 2016 17:22

Instrument :

BNA_G

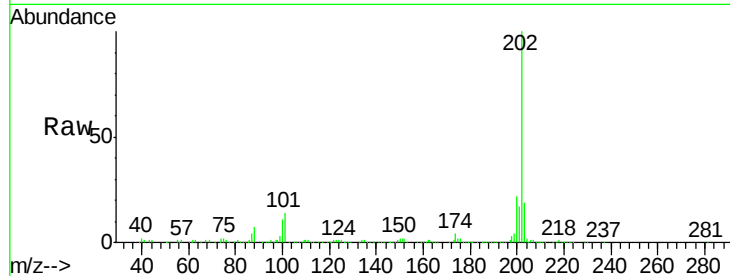
ClientSampleId :

D9XJ7

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		193607		
101	13.6	8.9	13.3#		
100	10.8	7.0	10.4#		

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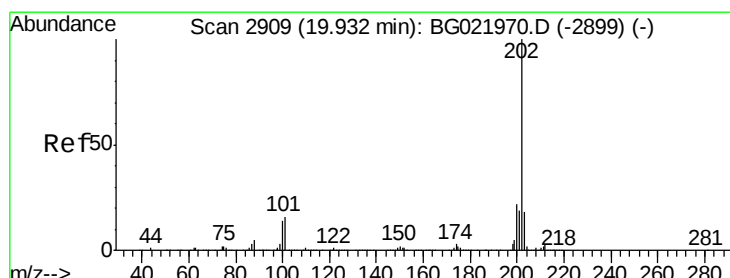
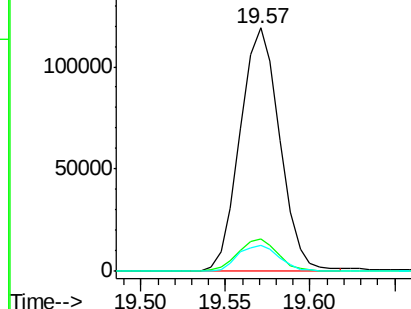
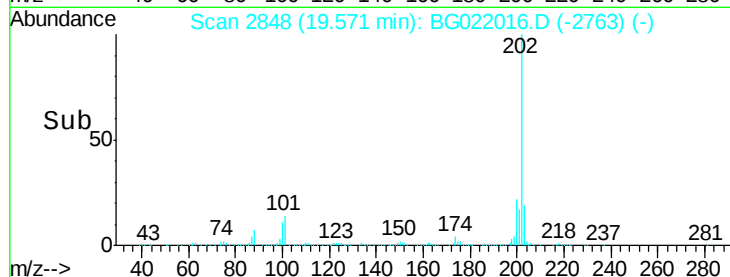
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#31

Pyrene

Concen: 14.26 ng/ul m

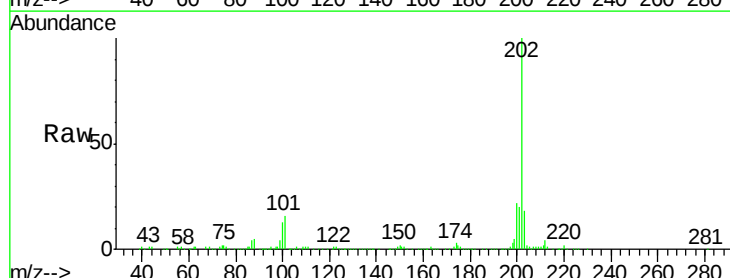
RT: 19.93 min Scan# 2910

Delta R.T. 0.00 min

Lab File: BG022016.D

Acq: 22 May 2016 17:22

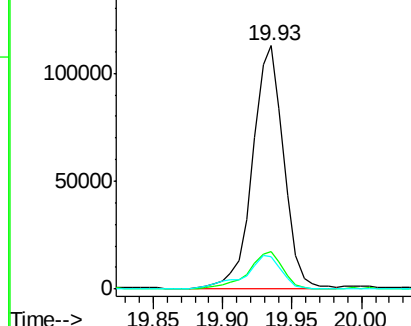
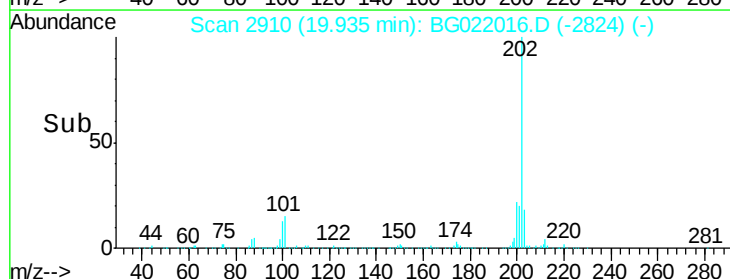
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		177511		
101	15.6	9.8	14.8#		
100	13.1	9.3	13.9		

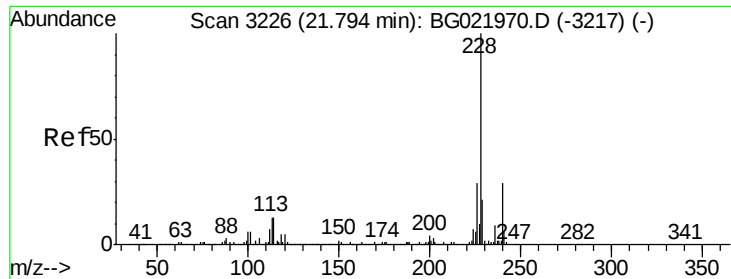


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 9.94 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. -0.00 min

Lab File: BG022016.D

Acq: 22 May 2016 17:22

Instrument :

BNA_G

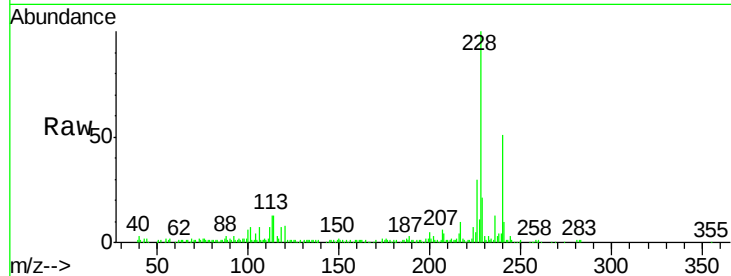
ClientSampleId :

D9XJ7

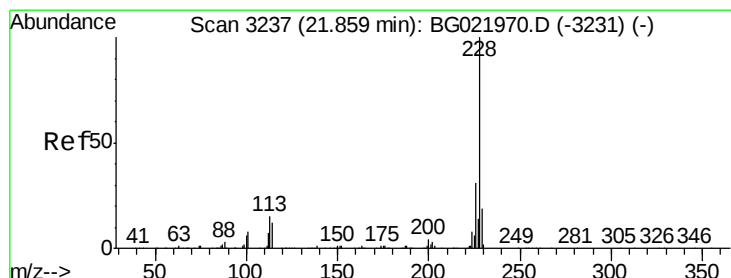
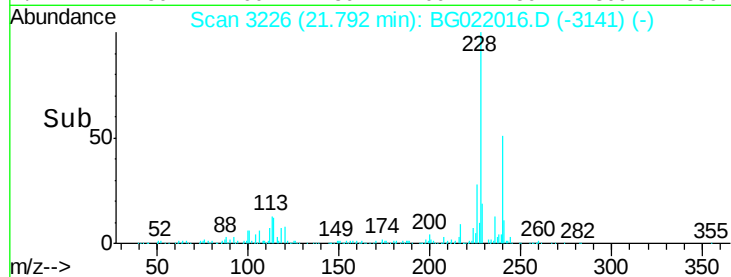
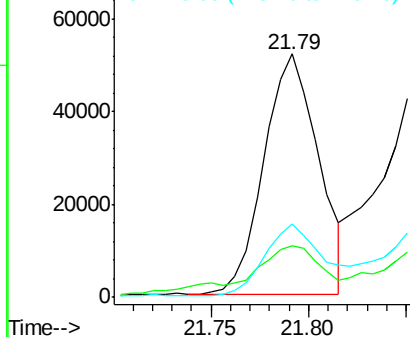
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	99637		
229	21.0	16.6	25.0	
226	29.9	21.0	31.4	

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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: 11.90 ng/ul

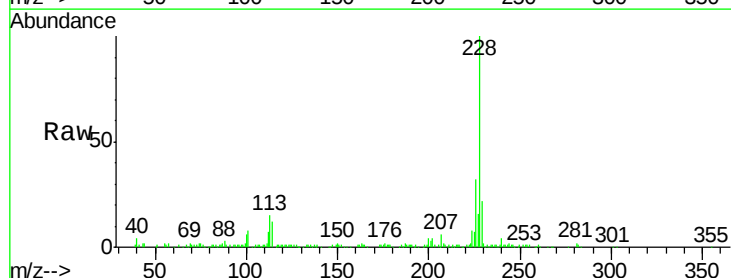
RT: 21.86 min Scan# 3237

Delta R.T. -0.00 min

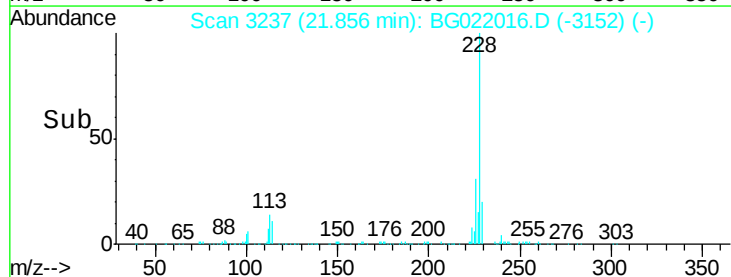
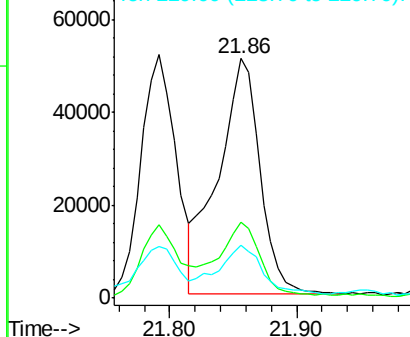
Lab File: BG022016.D

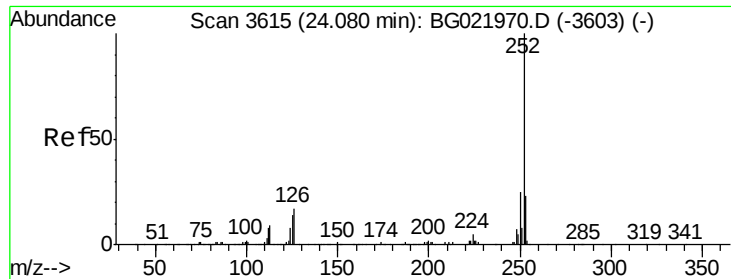
Acq: 22 May 2016 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	116055		
226	31.7	23.4	35.2	
229	22.0	16.2	24.2	



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





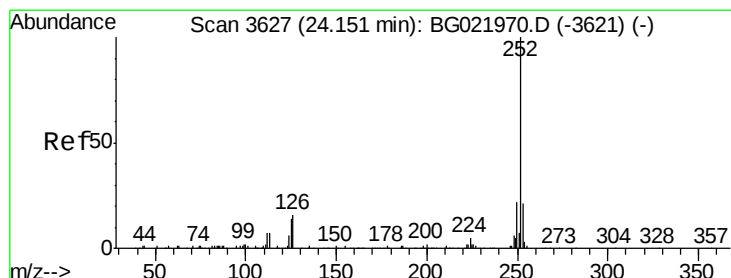
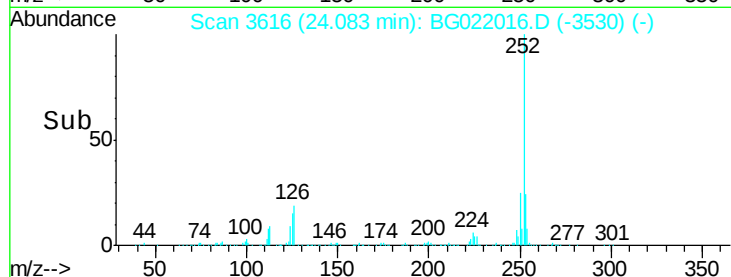
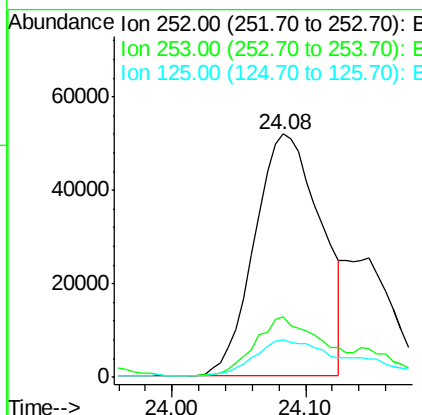
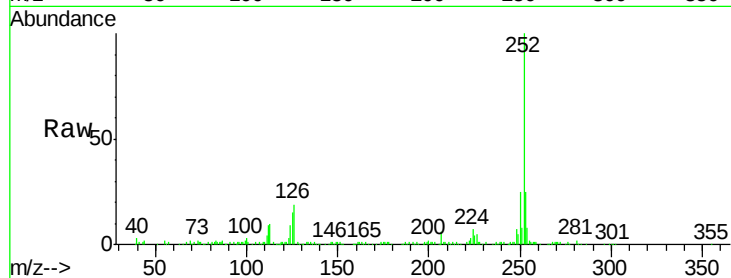
#35
Benzo(b)fluoranthene
Concen: 17.95 ng/ul
RT: 24.08 min Scan# 3616
Delta R.T. 0.00 min
Lab File: BG022016.D
Acq: 22 May 2016 17:22

Instrument :
BNA_G
ClientSampleId :
D9XJ7

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.1	27.1
125	15.5	7.6	11.4

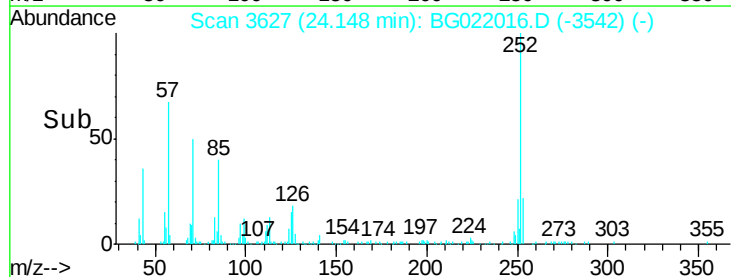
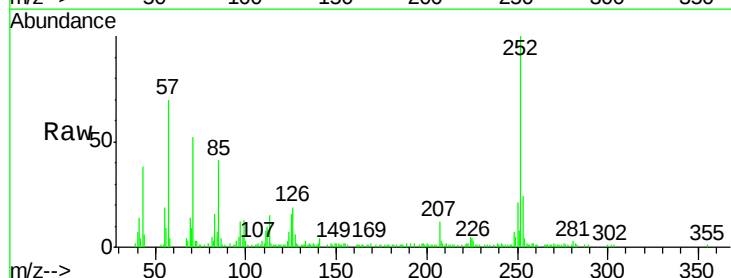
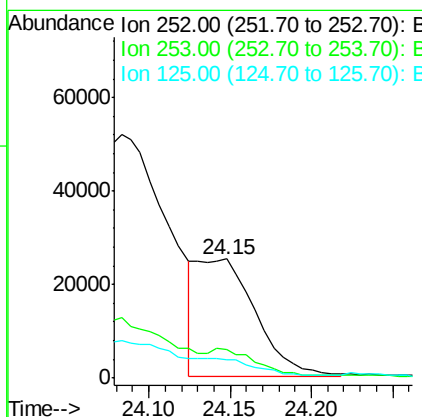
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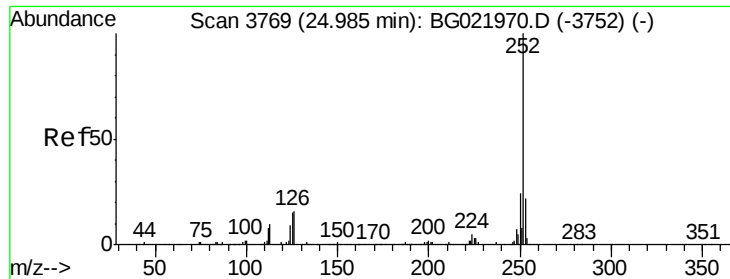
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#36
Benzo(k)fluoranthene
Concen: 6.59 ng/ul m
RT: 24.15 min Scan# 3627
Delta R.T. -0.00 min
Lab File: BG022016.D
Acq: 22 May 2016 17:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	15.9	7.7	11.5





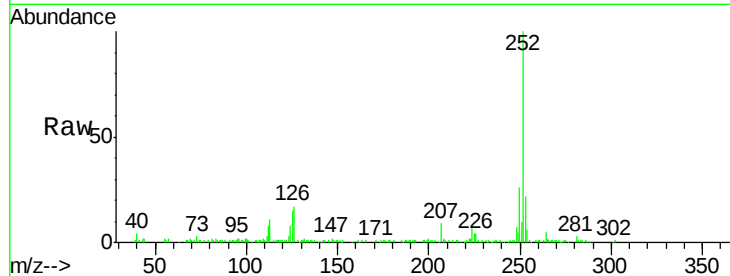
#38
Benzo(a)pyrene
Concen: 12.07 ng/u1
RT: 24.99 min Scan# 3770
Delta R.T. 0.00 min
Lab File: BG022016.D
Acq: 22 May 2016 17:22

Instrument :
BNA_G
ClientSampleId :
D9XJ7

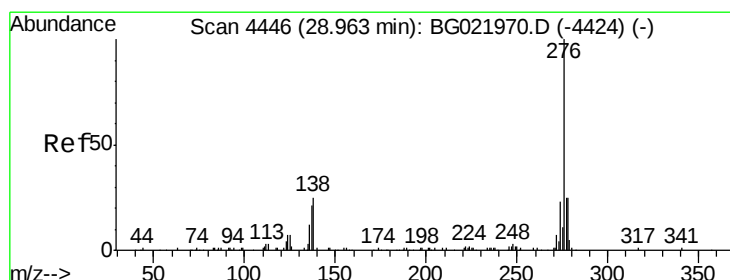
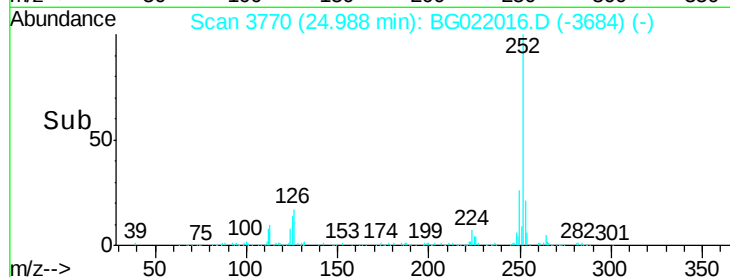
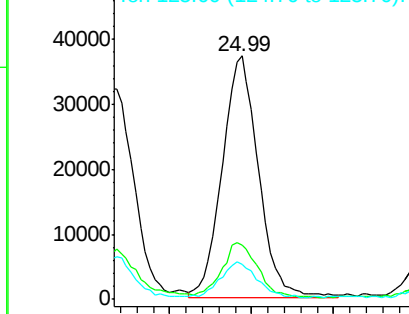
Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.2	17.4	26.0
125	14.6	8.2	12.2#

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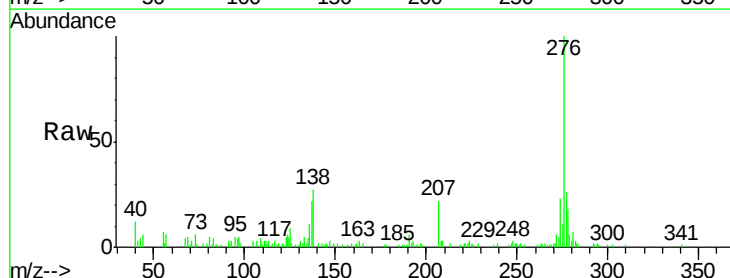


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

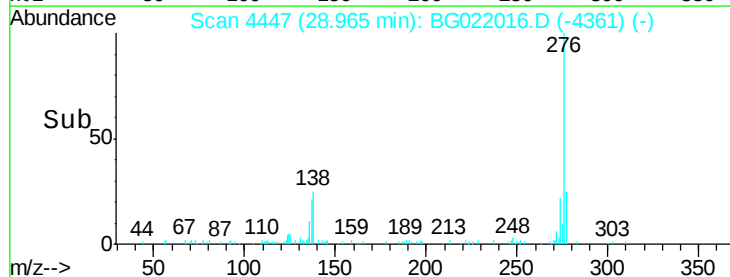
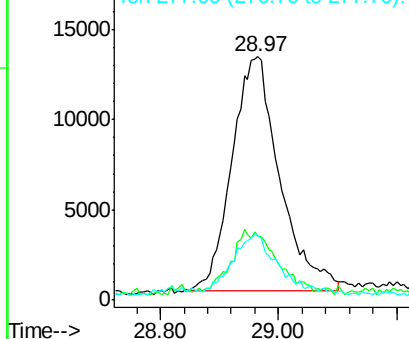


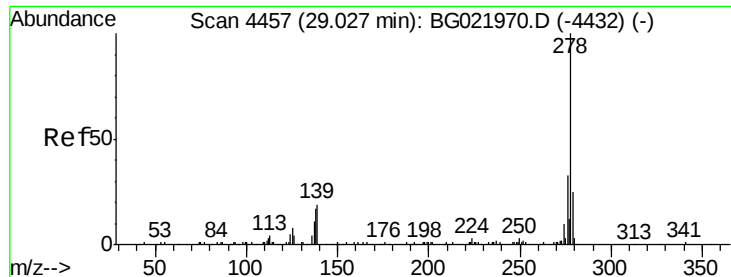
#39
Indeno(1,2,3-cd)pyrene
Concen: 6.75 ng/u1
RT: 28.97 min Scan# 4447
Delta R.T. 0.00 min
Lab File: BG022016.D
Acq: 22 May 2016 17:22

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	26.6	15.8	23.6#
277	26.4	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





#40

Dibenzo(a,h)anthracene

Concen: 2.36 ng/ul m

RT: 28.99 min Scan# 4452

Delta R.T. -0.03 min

Lab File: BG022016.D

Acq: 22 May 2016 17:22

Instrument :

BNA_G

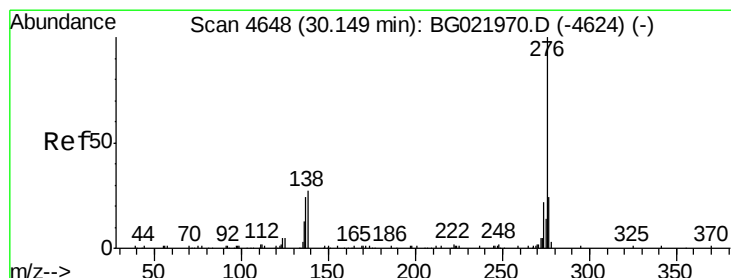
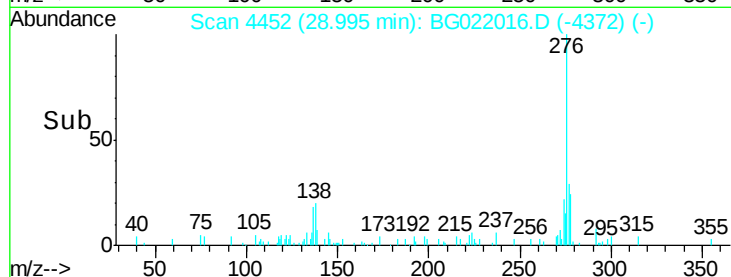
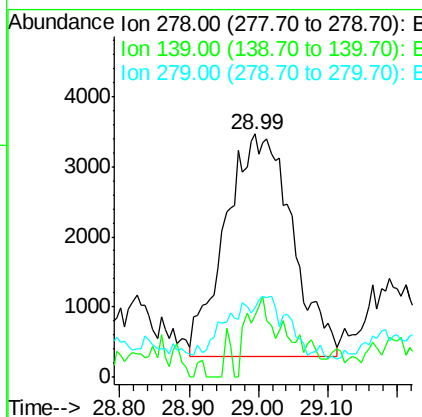
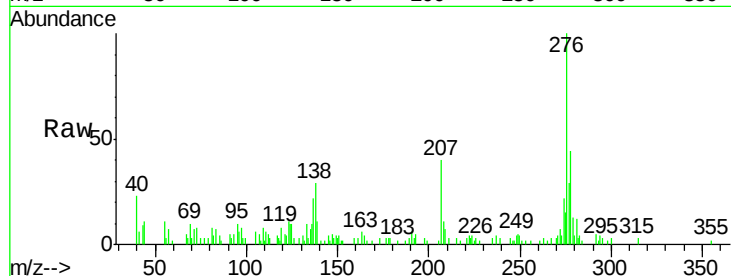
ClientSampleId :

D9XJ7

Tgt Ion:	278	Resp:	21030
Ion Ratio	Lower	Upper	
278	100		
139	25.6	12.1	18.1#
279	28.5	19.8	29.8

Manual Integrations
APPROVED

umangi
5/24/2016 7:32:56 PM



#41

Benzo(g,h,i)perylene

Concen: 6.71 ng/ul m

RT: 30.15 min Scan# 4648

Delta R.T. -0.00 min

Lab File: BG022016.D

Acq: 22 May 2016 17:22

Tgt Ion:	276	Resp:	61194
Ion Ratio	Lower	Upper	
276	100		
138	29.5	13.9	20.9#
277	22.6	19.8	29.6

