

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021954.D
 Acq On : 19 May 2016 5:18
 Operator : UM/SJ
 Sample : H3095-22DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 D9XF8DL

Manual Integrations
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Quant Time: May 19 06:47:35 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 19 03:59:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	28426	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	154520	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	94478	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	192807	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	170756	20.00	ng/ul	0.00
34) Perylene-d12	25.14	264	155293	20.00	ng/ul	0.00

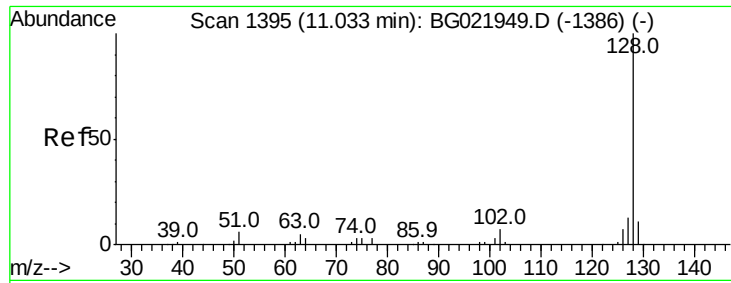
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.54	96	136	0.22	ng/uL	0.00
3) Phenol-d5	7.32	99	8017m	3.19	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.49	67	4371m	3.27	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	7993	3.88	ng/ul	0.00
6) 4-Methylphenol-d8	8.87	113	5547m	2.48	ng/ul	0.00
8) Nitrobenzene-d5	9.34	128	3658m	3.37	ng/ul	0.00
9) 2-Nitrophenol-d4	10.06	143	4050m	3.50	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	7272m	3.56	ng/ul	0.00
12) 4-Chloroaniline-d4	11.13	131	2800m	1.74	ng/ul	0.01
16) Dimethylphthalate-d6	14.18	166	29529	4.05	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	39848	4.25	ng/ul	0.00
20) 4-Nitrophenol-d4	15.07	143	187	0.15	ng/ul	0.08
21) Fluorene-d10	15.77	176	26725	4.08	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	1523	1.59	ng/ul	0.00
26) Anthracene-d10	17.62	188	41163m	4.63	ng/ul	0.00
30) Pyrene-d10	19.90	212	39360	4.37	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.91	264	32324	4.69	ng/ul	0.00

Target Compounds

						Ovalue
11) Naphthalene	11.03	128	19119	2.54	ng/ul#	92
19) Acenaphthene	14.85	153	25418	3.79	ng/ul	99
22) Fluorene	15.83	166	12533	1.69	ng/ul	99
25) Phenanthrene	17.57	178	292123	28.35	ng/ul	96
27) Anthracene	17.66	178	53685	5.18	ng/ul	99
28) Fluoranthene	19.57	202	473258	44.19	ng/ul#	93
31) Pyrene	19.93	202	394234m	33.52	ng/ul	
32) Benzo(a)anthracene	21.79	228	206845	21.84	ng/ul	98
33) Chrysene	21.86	228	194524	21.11	ng/ul	96
35) Benzo(b)fluoranthene	24.08	252	296300	33.19	ng/ul#	96
36) Benzo(k)fluoranthene	24.14	252	109537m	12.47	ng/ul	
38) Benzo(a)pyrene	24.98	252	196070	22.97	ng/ul#	92
39) Indeno(1,2,3-cd)pyrene	28.94	276	160340	16.52	ng/ul#	92
40) Dibenzo(a,h)anthracene	28.98	278	36202m	4.50	ng/ul	
41) Benzo(g,h,i)perylene	30.13	276	132861	16.18	ng/ul#	88

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



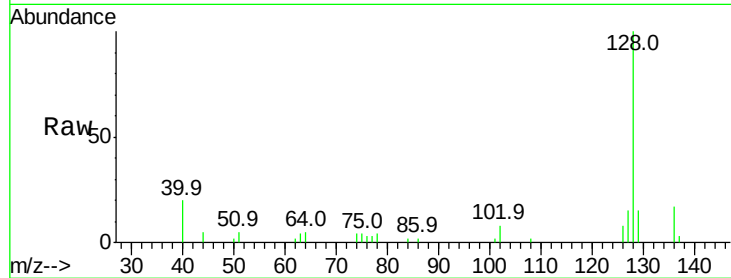
#11
Naphthalene
Concen: 2.54 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BG021954.D
Acq: 19 May 2016 5:18

Instrument :
BNA_G
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
128	100	19119		
129	14.9	8.3	12.5#	
127	15.3	10.8	16.2	

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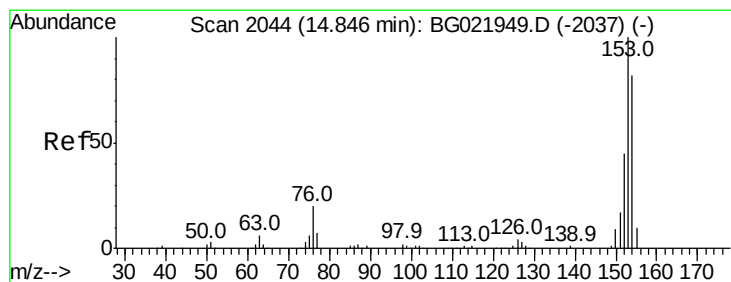
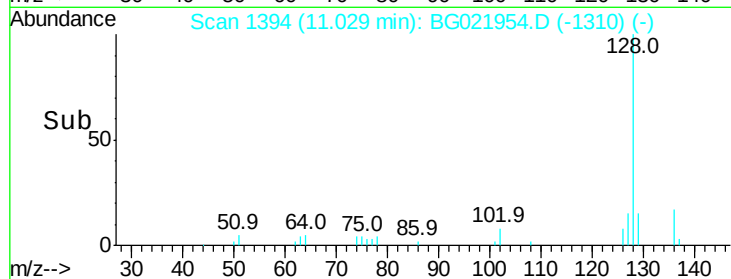
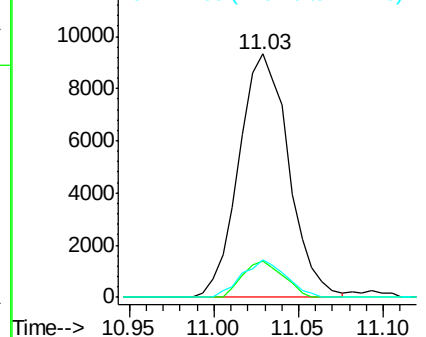


Abundance

Ion 128.00 (127.70 to 128.70): E

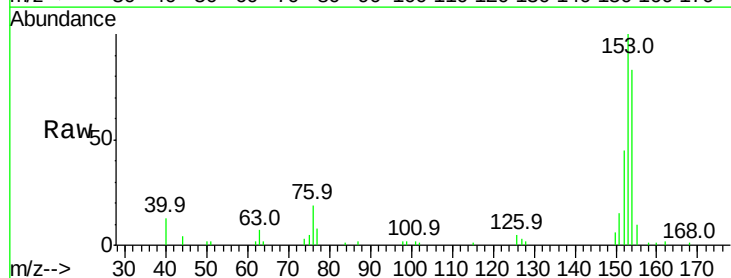
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#19
Acenaphthene
Concen: 3.79 ng/ul
RT: 14.85 min Scan# 2044
Delta R.T. 0.00 min
Lab File: BG021954.D
Acq: 19 May 2016 5:18

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	25418		
152	45.5	36.5	54.7	
154	82.8	67.3	100.9	

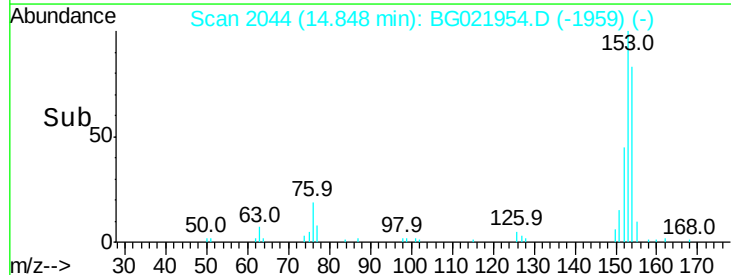
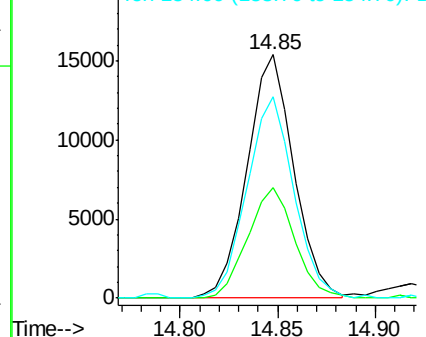


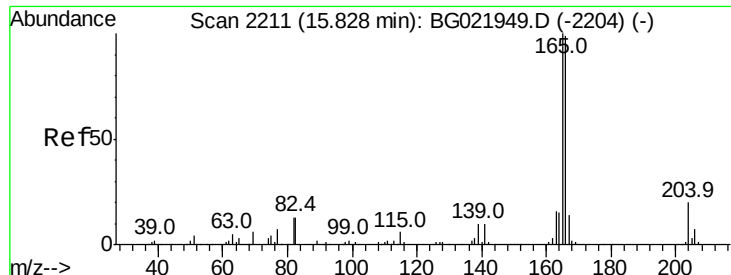
Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#22

Fluorene

Concen: 1.69 ng/ul

RT: 15.83 min Scan# 2211

Delta R.T. 0.00 min

Lab File: BG021954.D

Acq: 19 May 2016 5:18

Instrument :

BNA_G

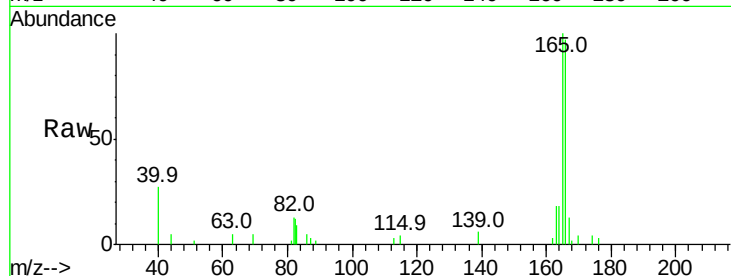
ClientSampleId :

D9XF8DL

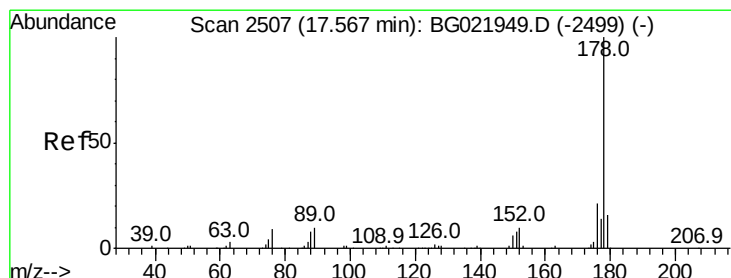
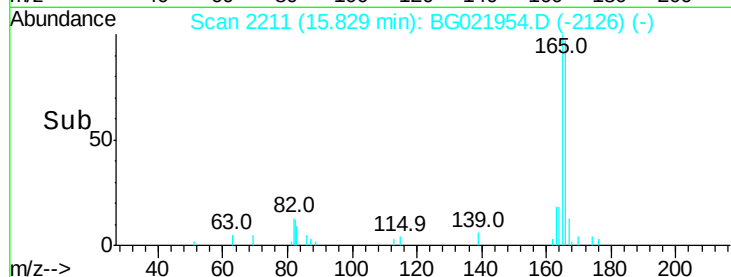
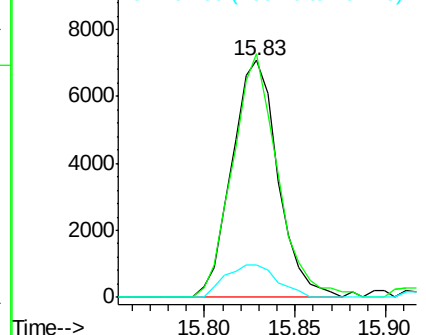
Tot Ion:	166	Resp:	12533
Ion Ratio	Lower	Upper	
166	100		
165	102.7	81.1	121.7
167	13.8	10.6	16.0

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#25

Phenanthrene

Concen: 28.35 ng/ul

RT: 17.57 min Scan# 2507

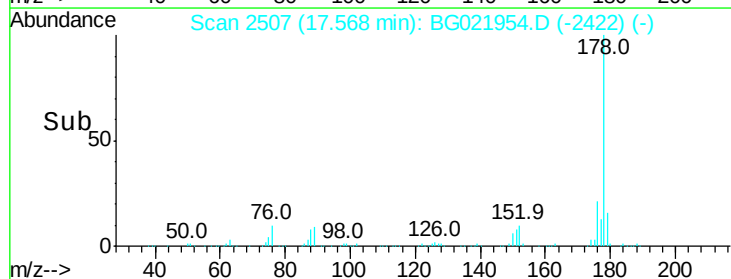
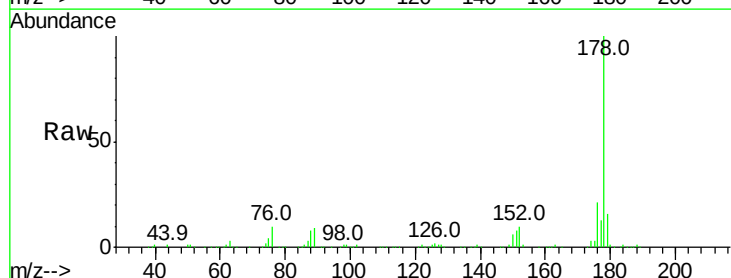
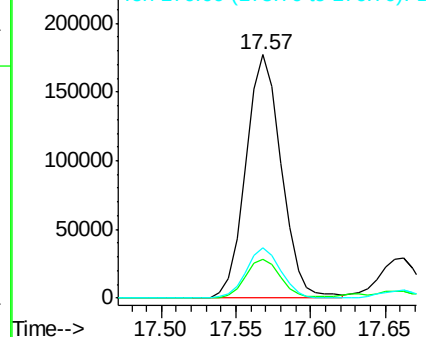
Delta R.T. 0.00 min

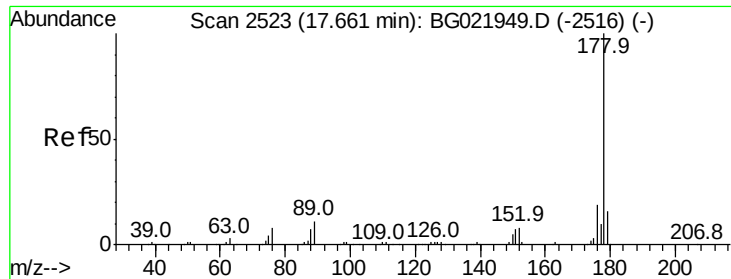
Lab File: BG021954.D

Acq: 19 May 2016 5:18

Tgt Ion:	178	Resp:	292123
Ion Ratio	Lower	Upper	
178	100		
179	15.7	11.8	17.8
176	20.7	14.8	22.2

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





#27

Anthracene

Concen: 5.18 ng/ul

RT: 17.66 min Scan# 2523

Delta R.T. 0.00 min

Lab File: BG021954.D

Acq: 19 May 2016 5:18

Instrument :

BNA_G

ClientSampleId :

D9XF8DL

Tot Ion:178 Resp: 53685

Ion Ratio Lower Upper

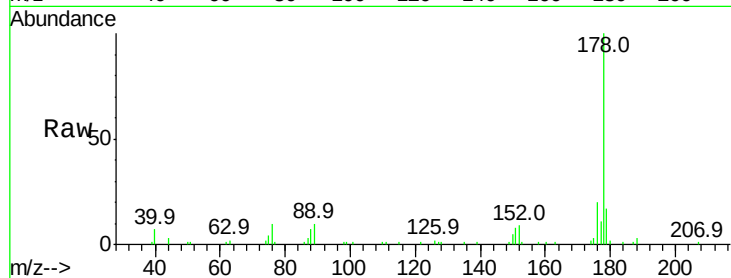
178 100

179 16.6 12.9 19.3

176 20.3 15.6 23.4

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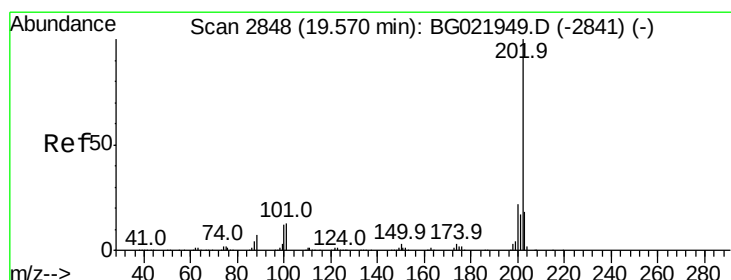
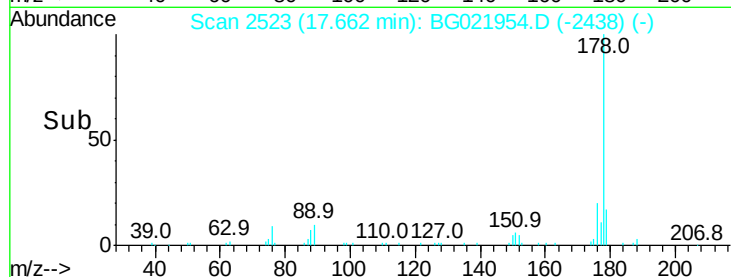
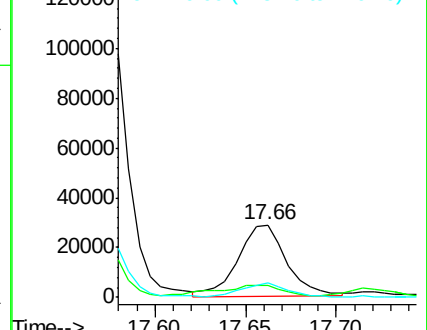
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#28

Fluoranthene

Concen: 44.19 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. 0.00 min

Lab File: BG021954.D

Acq: 19 May 2016 5:18

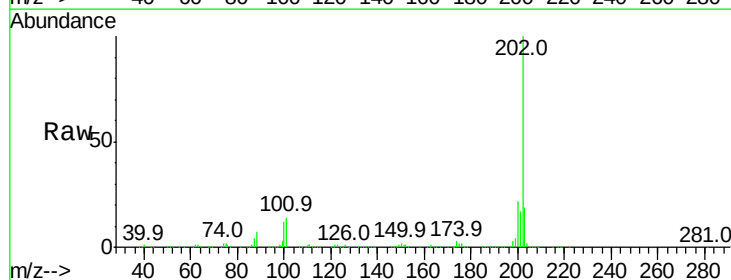
Tgt Ion:202 Resp: 473258

Ion Ratio Lower Upper

202 100

101 13.7 8.9 13.3#

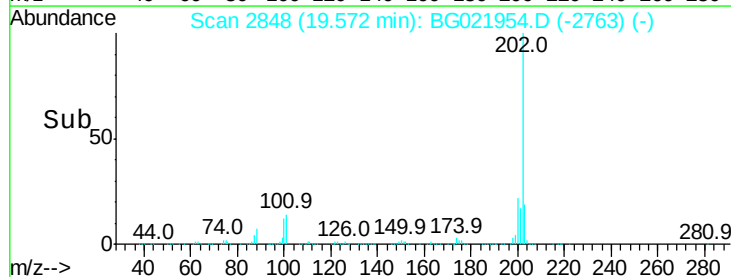
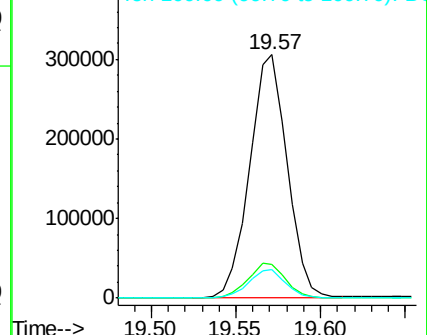
100 11.7 7.0 10.4#

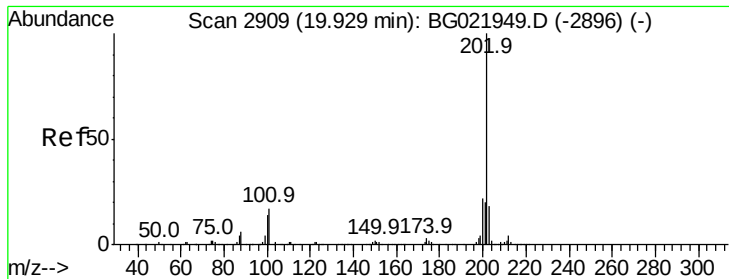


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





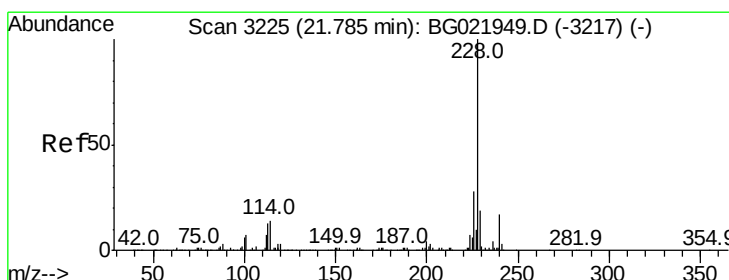
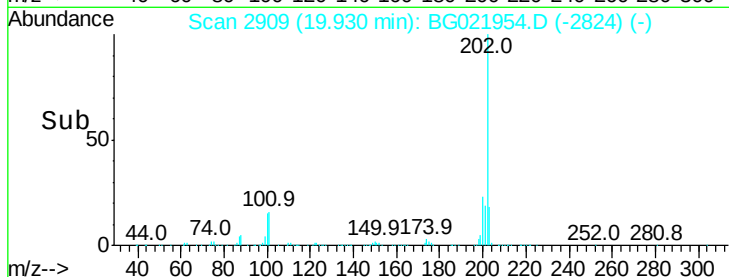
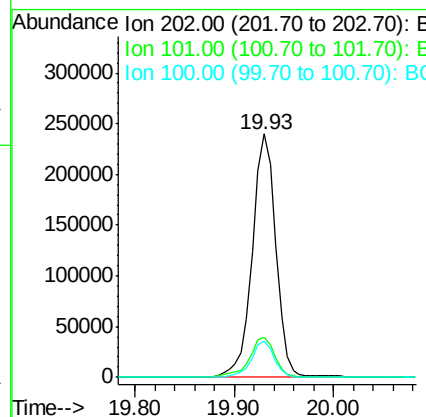
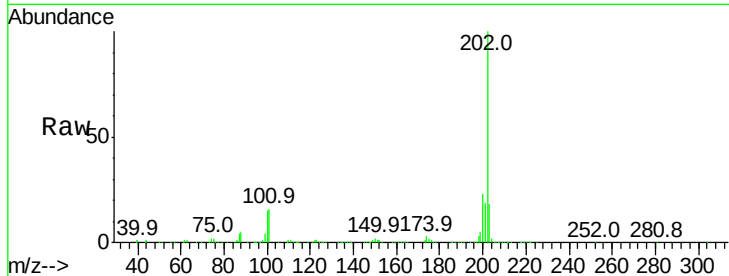
#31
Pvrene
Concen: 33.52 ng/ul m
RT: 19.93 min Scan# 2909
Delta R.T. 0.00 min
Lab File: BG021954.D
Acq: 19 May 2016 5:18

Instrument :
BNA_G
ClientSampleId :
D9XF8DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	16.4	9.8	14.8#
100	14.6	9.3	13.9#

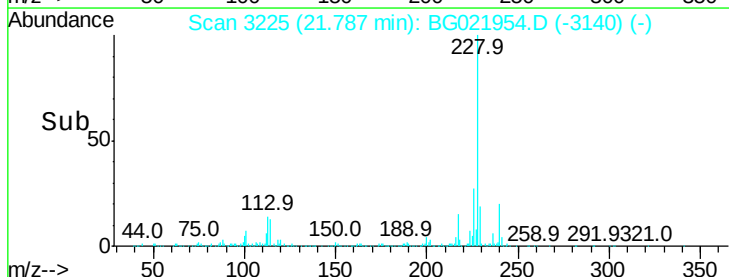
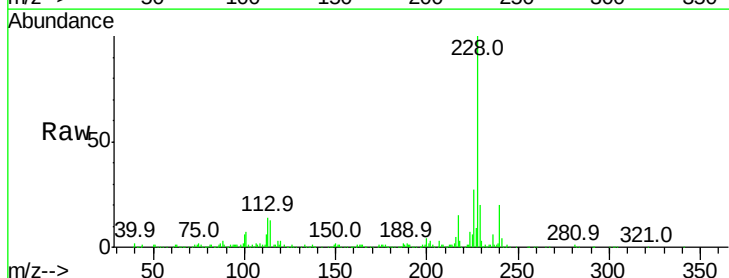
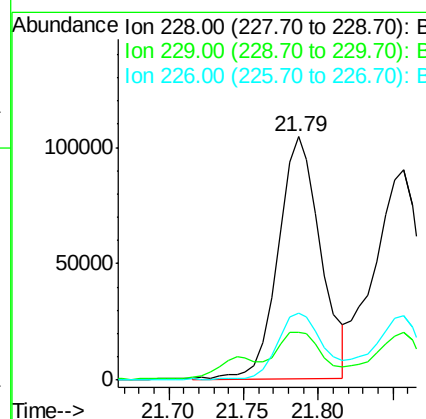
Manual Integrations
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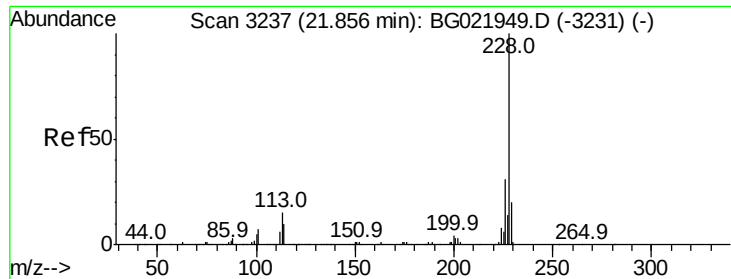
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#32
Benzo(a)anthracene
Concen: 21.84 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. 0.00 min
Lab File: BG021954.D
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Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	19.6	16.6	25.0
226	27.4	21.0	31.4





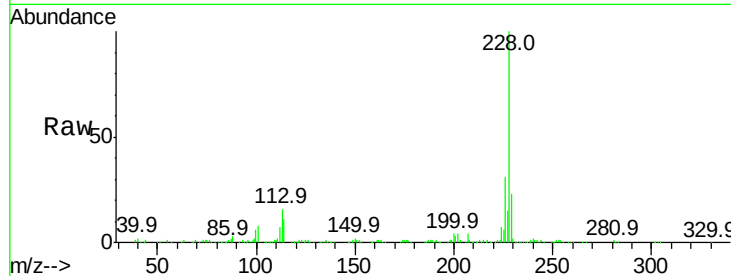
#33
Chrysene
Concen: 21.11 ng/ul
RT: 21.86 min Scan# 3237
Delta R.T. 0.00 min
Lab File: BG021954.D
Acq: 19 May 2016 5:18

Instrument :
BNA_G
ClientSampleId :
D9XF8DL

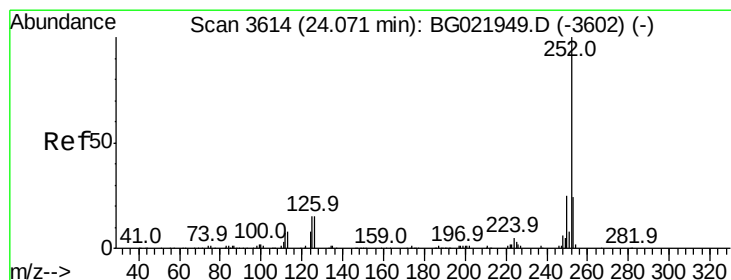
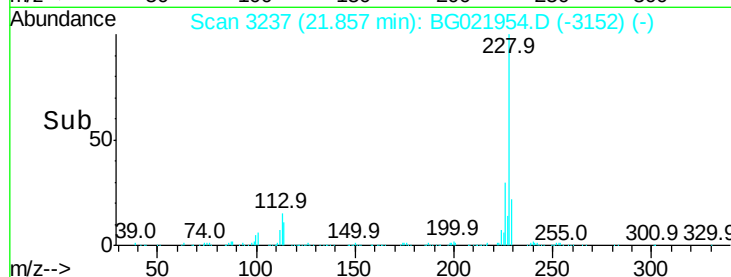
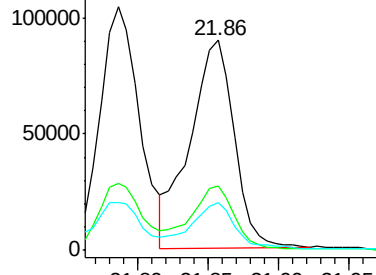
Tot Ion:	228	Resp:	194524
Ion Ratio	Lower	Upper	
228	100		
226	30.7	23.4	35.2
229	22.7	16.2	24.2

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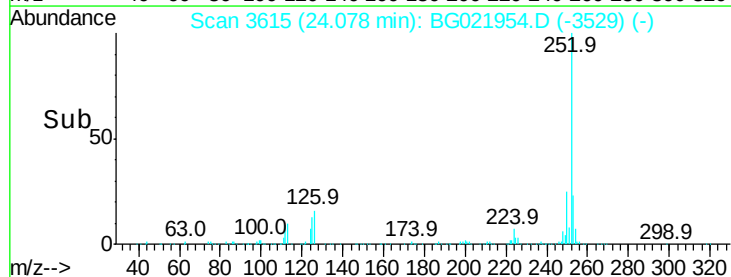
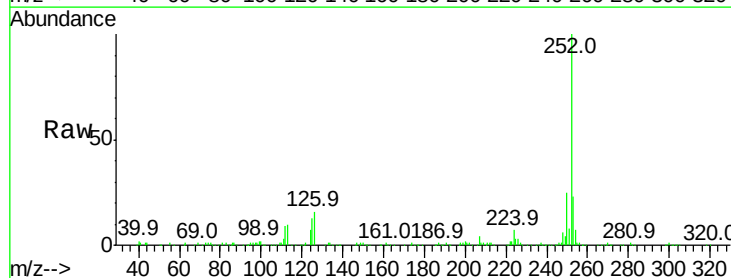
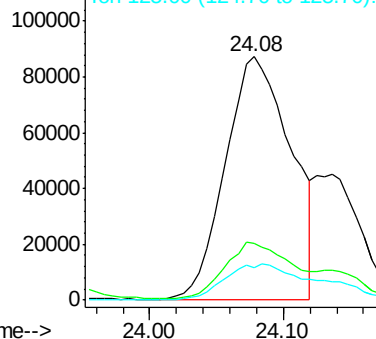
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

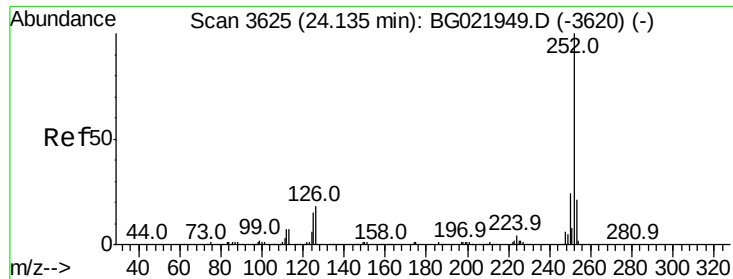


#35
Benzo(b)fluoranthene
Concen: 33.19 ng/ul
RT: 24.08 min Scan# 3615
Delta R.T. 0.01 min
Lab File: BG021954.D
Acq: 19 May 2016 5:18

Tgt Ion:	252	Resp:	296300
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.1	27.1
125	13.2	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





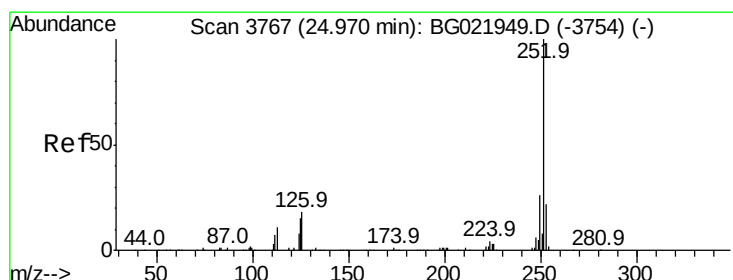
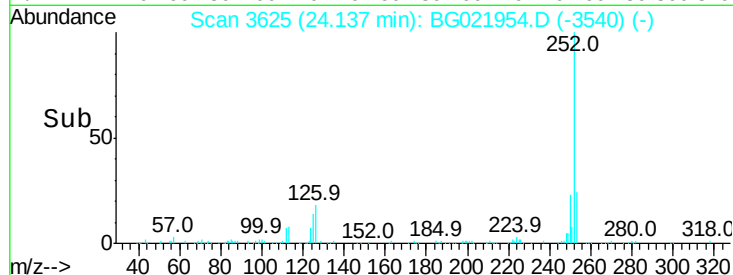
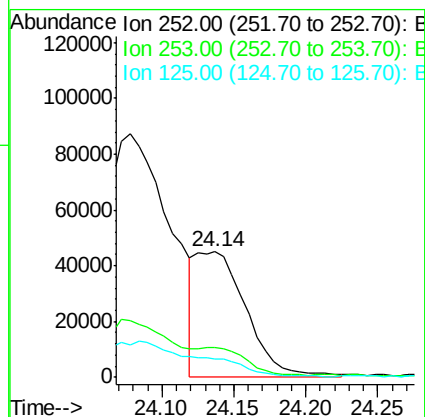
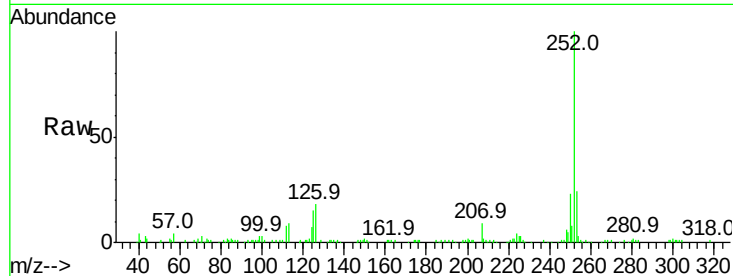
#36
Benzo(k)fluoranthene
Concen: 12.47 ng/ul m
RT: 24.14 min Scan# 3625
Delta R.T. 0.00 min
Lab File: BG021954.D
Acq: 19 May 2016 5:18

Instrument :
BNA_G
ClientSampleId :
D9XF8DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.8	17.8	26.8
125	14.6	7.7	11.5#

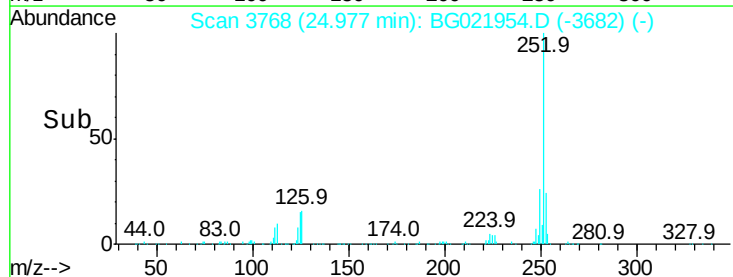
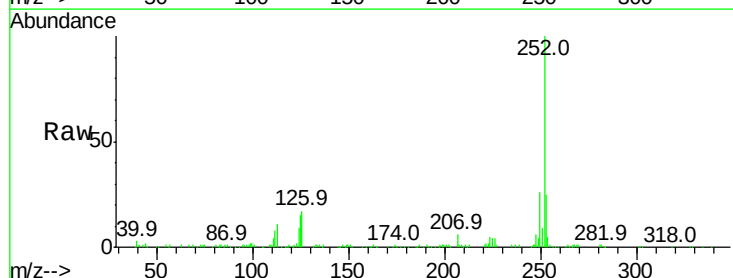
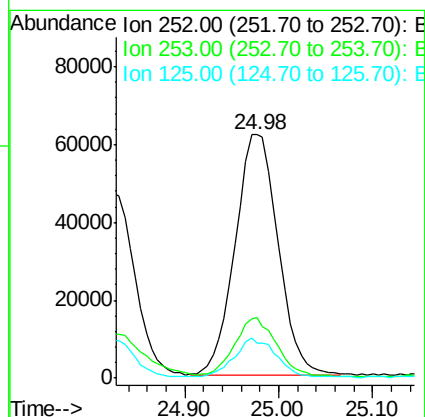
Manual Integrations
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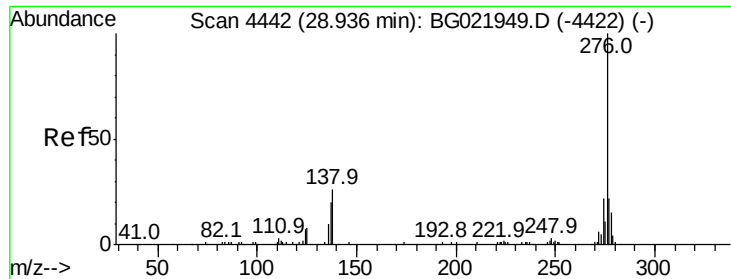
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#38
Benzo(a)pyrene
Concen: 22.97 ng/ul
RT: 24.98 min Scan# 3768
Delta R.T. 0.01 min
Lab File: BG021954.D
Acq: 19 May 2016 5:18

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.7	17.4	26.0
125	14.6	8.2	12.2#





#39

Indeno(1,2,3-cd)pyrene

Concen: 16.52 ng/ul

RT: 28.94 min Scan# 4443

Delta R.T. 0.01 min

Lab File: BG021954.D

Acq: 19 May 2016 5:18

Instrument :

BNA_G

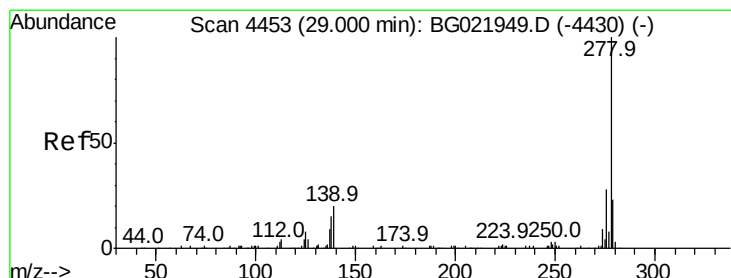
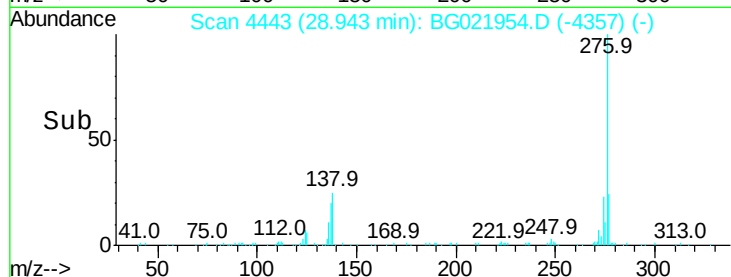
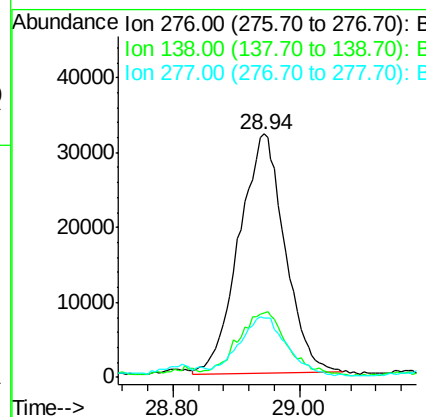
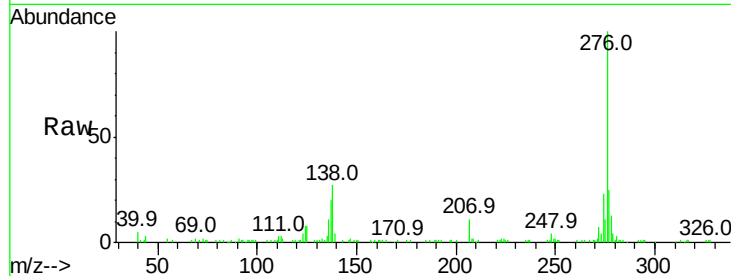
ClientSampleId :

D9XF8DL

Tot Ion:	276	Resp:	160340
Ion Ratio	Lower	Upper	
276	100		
138	26.6	15.8	23.6#
277	24.5	19.0	28.6

Manual Integrations
APPROVED

sohil
5/19/2016 7:08:15 PM



#40

Dibenzo(a,h)anthracene

Concen: 4.50 ng/ul m

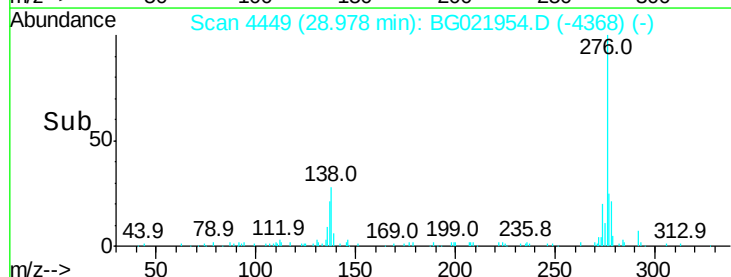
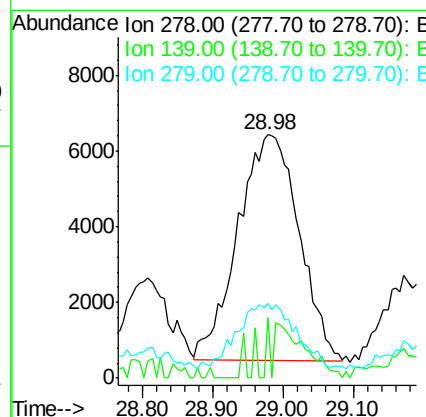
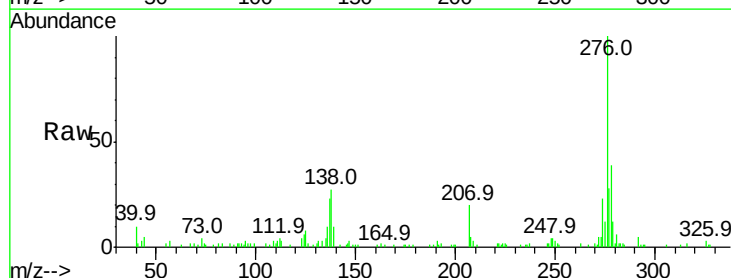
RT: 28.98 min Scan# 4449

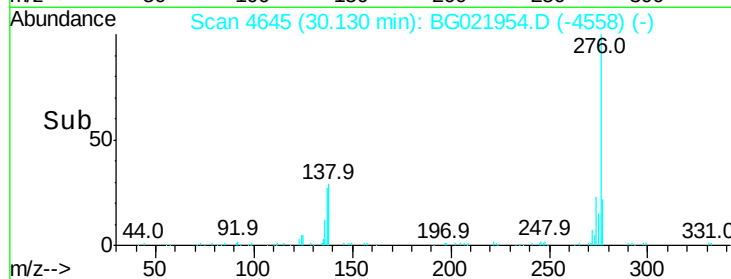
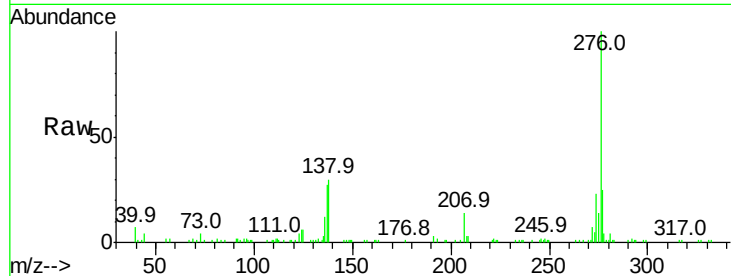
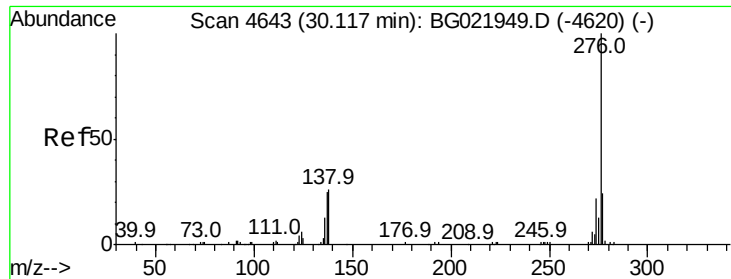
Delta R.T. -0.02 min

Lab File: BG021954.D

Acq: 19 May 2016 5:18

Tgt Ion:	278	Resp:	36202
Ion Ratio	Lower	Upper	
278	100		
139	24.7	12.1	18.1#
279	30.7	19.8	29.8#





#41

Benzo(a,h,i)perylene

Concen: 16.18 ng/ul

RT: 30.13 min Scan# 4645

Delta R.T. 0.01 min

Lab File: BG021954.D

Acq: 19 May 2016 5:18

Tot Ion:	276	Resp:	132861
Ion Ratio	Lower	Upper	
276	100		
138	30.2	13.9	20.9#
277	24.9	19.8	29.6

Instrument :

BNA_G

ClientSampleId :

D9XF8DL

Manual Integrations
APPROVED

sohil
5/19/2016 7:08:15 PM

