

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG040215\
 Data File : BG016219.D
 Acq On : 2 Apr 2015 10:38
 Operator : TP/IZ
 Sample : G1647-09 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC8

Manual Integrations
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Quant Time: Apr 03 05:04:43 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 03 04:09:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	76543	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	330764	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	189573	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	367536	20.00	ng/ul	0.00
75) Chrysene-d12	21.28	240	376867	20.00	ng/ul	0.01
83) Perylene-d12	23.54	264	373514	20.00	ng/ul	0.02

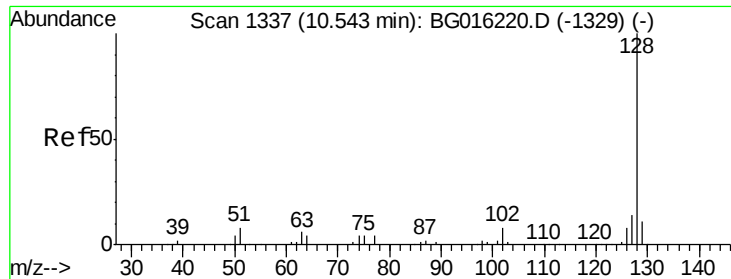
System Monitoring Compounds

3) 1,4-Dioxane-d8	2.90	96	134	0.08	ng/uL	-0.25
5) Phenol-d5	6.88	99	27106	3.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.04	67	15965	3.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	20981	3.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	21460	3.93	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	11349	4.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.58	143	12465	4.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	19975	3.96	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	13395	1.97	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	57532	4.59	ng/ul	0.00
46) Acenaphthylene-d8	14.04	160	74905	4.25	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	10437	3.30	ng/ul	0.00
57) Fluorene-d10	15.34	176	51901	4.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	6746	2.69	ng/ul	0.00
70) Anthracene-d10	17.19	188	73616	4.36	ng/ul	0.00
76) Pyrene-d10	19.49	212	72438	4.23	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.39	264	65313	3.88	ng/ul	0.02

Target Compounds

						Qvalue
28) Naphthalene	10.54	128	55276	3.11	ng/ul	98
34) 2-Methylnaphthalene	12.16	142	34649	2.75	ng/ul	97
40) 1,1'-Biphenyl	13.18	154	30508	2.01	ng/ul	96
49) Acenaphthene	14.41	153	295781	22.38	ng/ul	98
53) Dibenzofuran	14.74	168	293487	17.09	ng/ul	99
58) Fluorene	15.40	166	413162	27.45	ng/ul	100
69) Phenanthrene	17.14	178	2307480	110.60	ng/ul#	85
71) Anthracene	17.22	178	1009725	47.34	ng/ul	98
72) Carbazole	17.49	167	224742	10.92	ng/ul	97
74) Fluoranthene	19.16	202	2727227	117.60	ng/ul#	81
77) Pyrene	19.52	202	2487428	106.33	ng/ul#	85
80) Benzo(a)anthracene	21.26	228	1394585	63.93	ng/ul#	91
82) Chrysene	21.31	228	1152704	56.89	ng/ul#	94
85) Benzo(b)fluoranthene	22.86	252	1584442	71.03	ng/ul	95
86) Benzo(k)fluoranthene	22.90	252	576611m	26.83	ng/ul	
88) Benzo(a)pyrene	23.45	252	1225865	57.64	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	25.85	276	768400	30.90	ng/ul	93
90) Dibenzo(a,h)anthracene	25.85	278	196438	9.49	ng/ul#	74
91) Benzo(g,h,i)perylene	26.56	276	595389	29.29	ng/ul	99

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



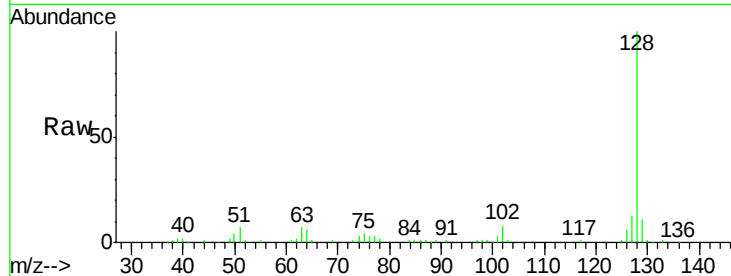
#28
Naphthalene
Concen: 3.11 ng/ul
RT: 10.54 min Scan# 1337
Delta R.T. -0.00 min
Lab File: BG016219.D
Acq: 2 Apr 2015 10:38

Instrument :
BNA_G
ClientSampleId :
C0AC8

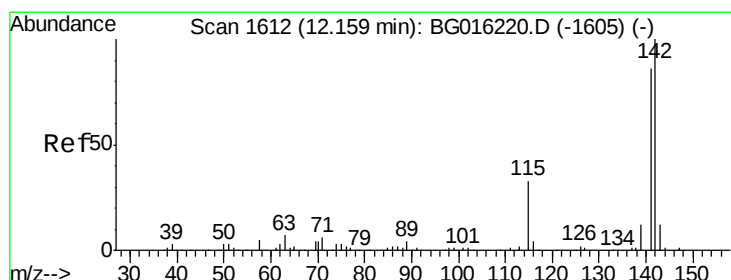
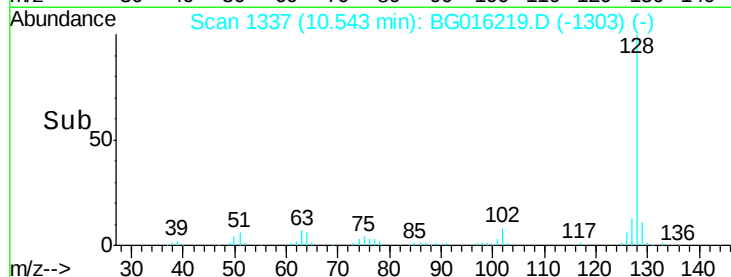
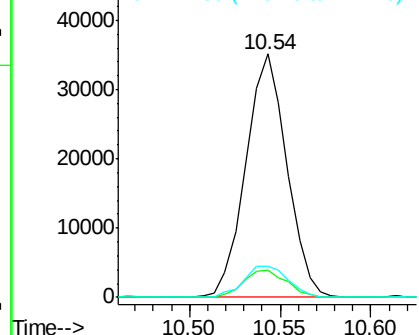
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.2	13.8
127	12.9	11.4	17.0

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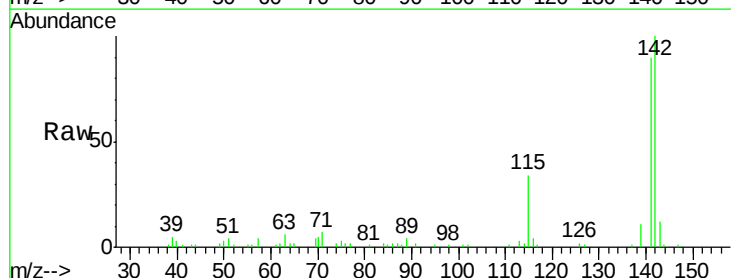


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

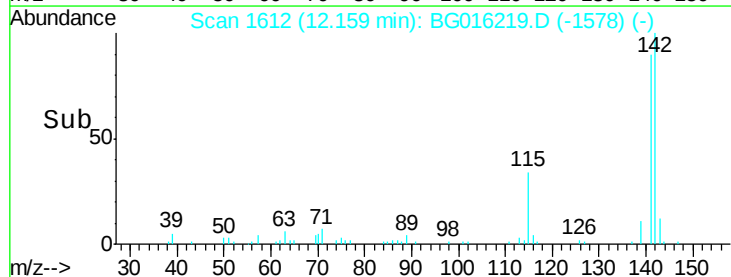
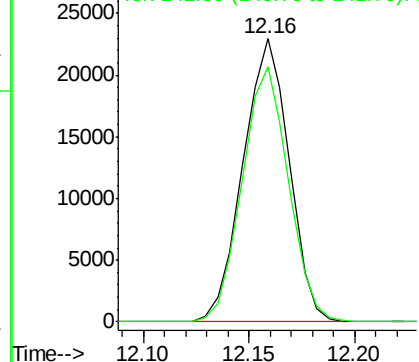


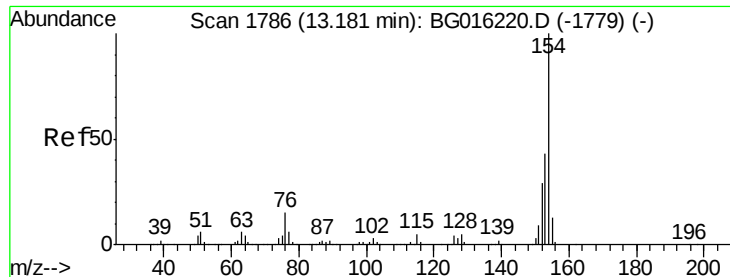
#34
2-Methylnaphthalene
Concen: 2.75 ng/ul
RT: 12.16 min Scan# 1612
Delta R.T. -0.00 min
Lab File: BG016219.D
Acq: 2 Apr 2015 10:38

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.1	69.7	104.5



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





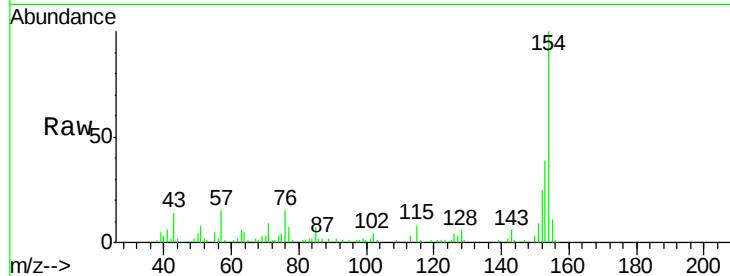
#40
 1,1'-Biphenyl
 Concen: 2.01 ng/ul
 RT: 13.18 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: BG016219.D
 Acq: 2 Apr 2015 10:38

Instrument :
 BNA_G
 ClientSampled :
 C0AC8

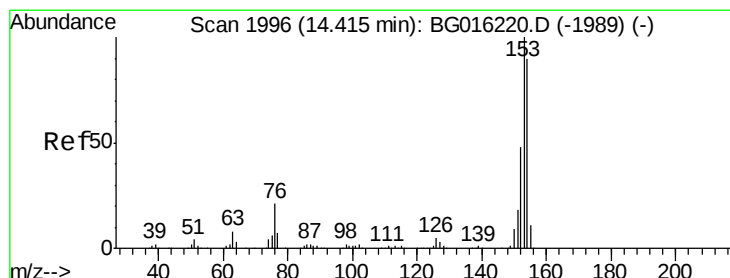
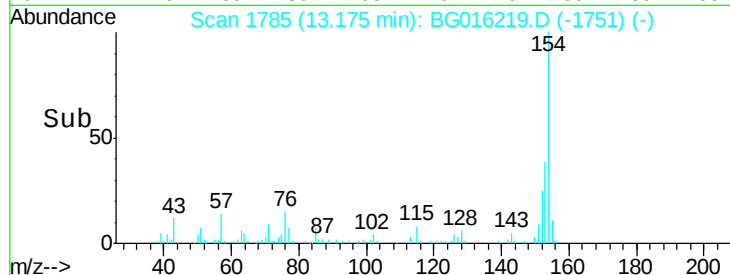
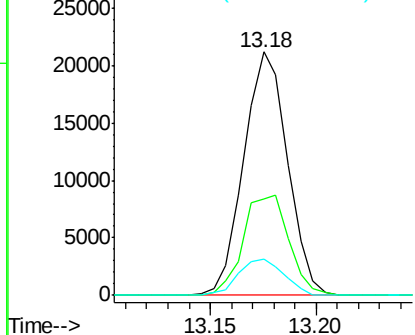
Tgt Ion:	154	Resp:	30508
Ion Ratio	Lower	Upper	
154	100		
153	39.4	34.5	51.7
76	14.7	11.8	17.8

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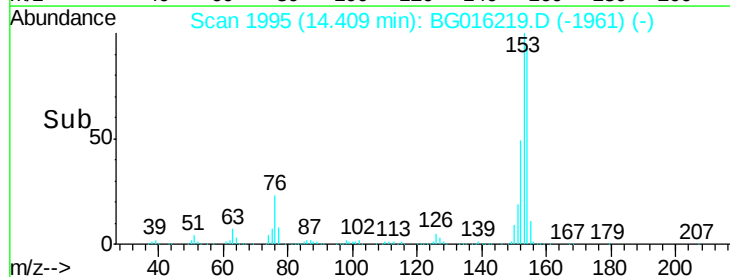
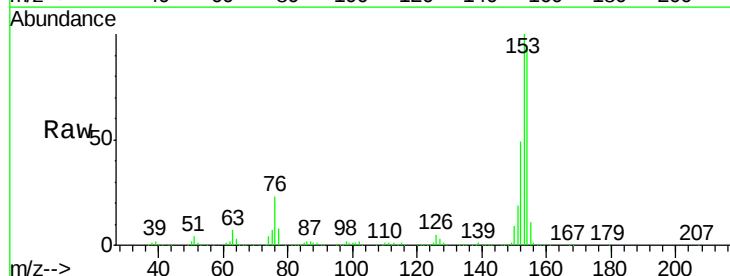
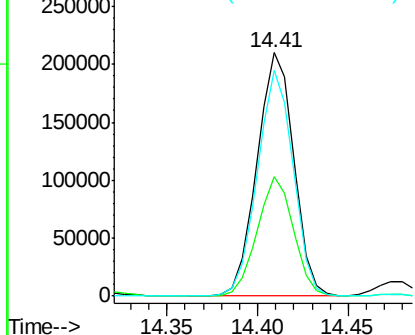
Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

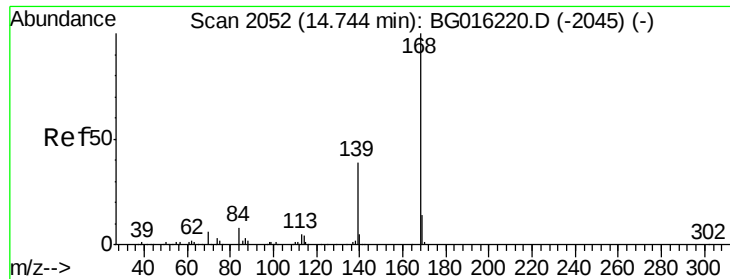


#49
 Acenaphthene
 Concen: 22.38 ng/ul
 RT: 14.41 min Scan# 1995
 Delta R.T. -0.00 min
 Lab File: BG016219.D
 Acq: 2 Apr 2015 10:38

Tgt Ion:	153	Resp:	295781
Ion Ratio	Lower	Upper	
153	100		
152	49.2	39.0	58.4
154	92.8	72.5	108.7

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





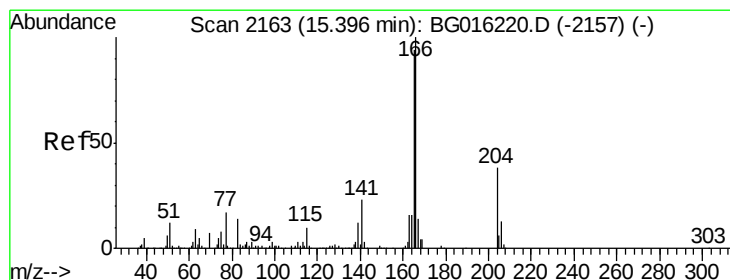
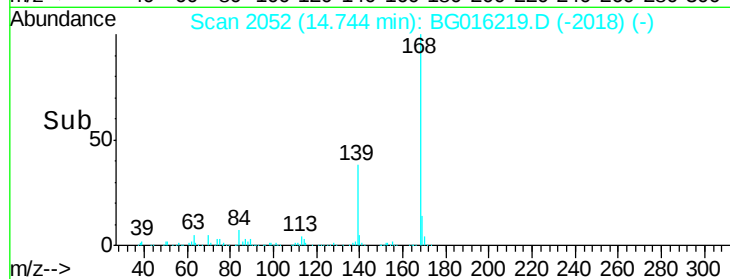
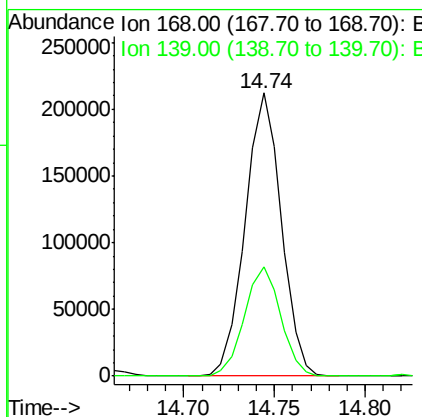
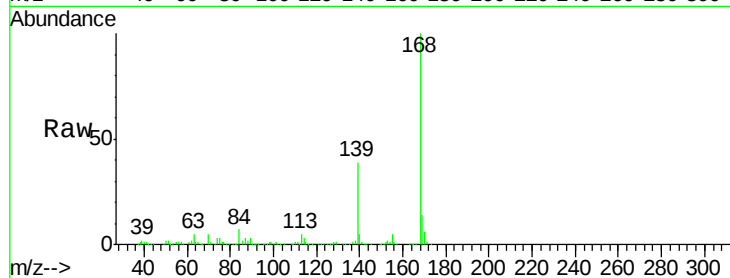
#53
Dibenzenofuran
Concen: 17.09 ng/ul
RT: 14.74 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BG016219.D
Acq: 2 Apr 2015 10:38

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.6	31.4	47.0

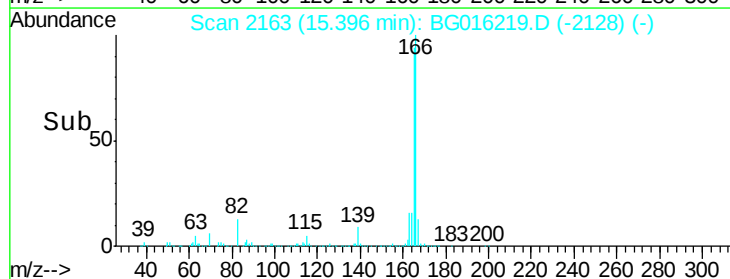
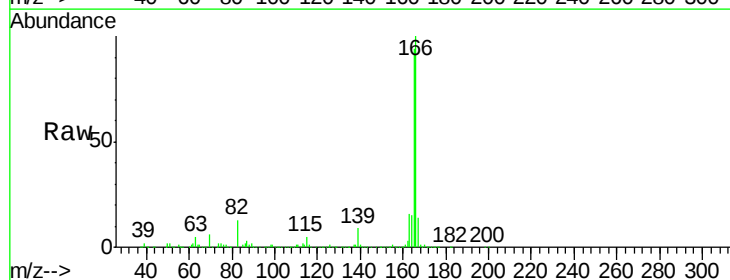
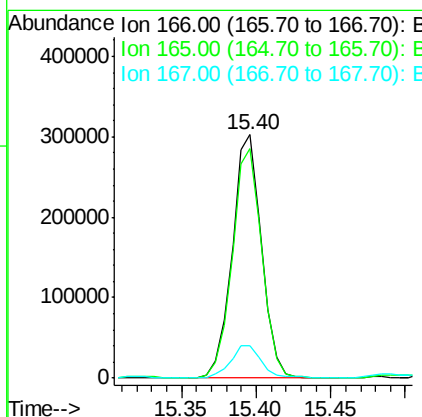
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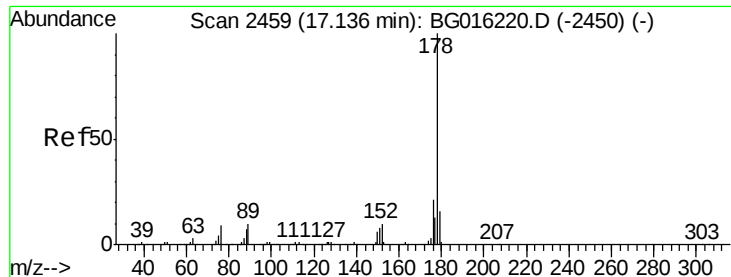
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#58
Fluorene
Concen: 27.45 ng/ul
RT: 15.40 min Scan# 2163
Delta R.T. 0.01 min
Lab File: BG016219.D
Acq: 2 Apr 2015 10:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.5	75.6	113.4
167	13.5	10.7	16.1





#69

Phenanthrene

Concen: 110.60 ng/ul

RT: 17.14 min Scan# 2459

Delta R.T. 0.01 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

Instrument :

BNA_G

ClientSampleId :

C0AC8

Tgt Ion:178 Resp: 2307480

Ion Ratio Lower Upper

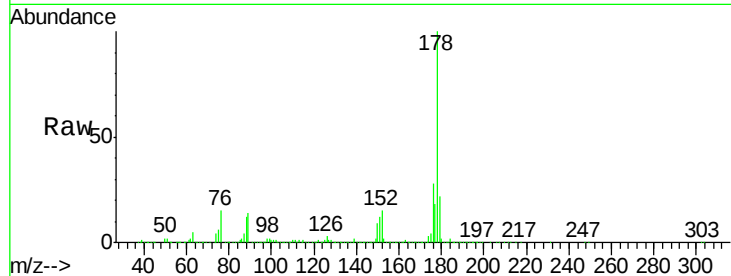
178 100

179 22.3 12.6 19.0#

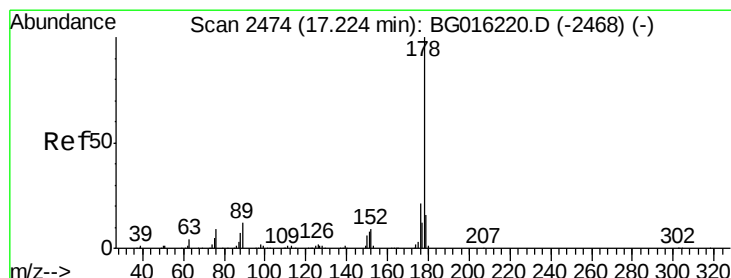
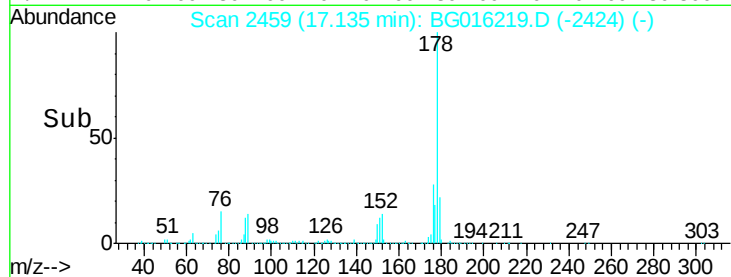
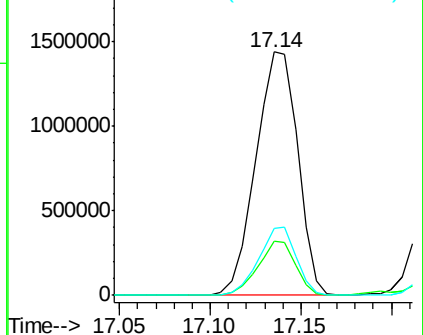
176 27.7 16.6 24.8#

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Abundance Ion 178.00 (177.70 to 178.70): E
2000000 Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 47.34 ng/ul

RT: 17.22 min Scan# 2474

Delta R.T. -0.00 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

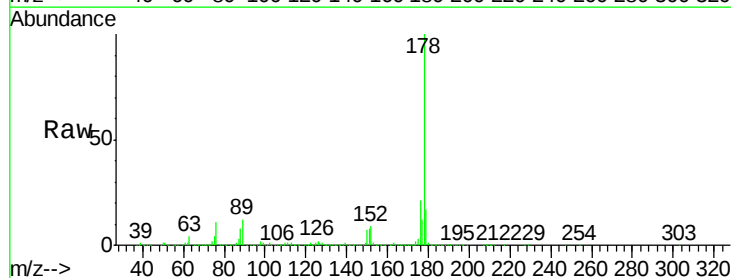
Tgt Ion:178 Resp: 1009725

Ion Ratio Lower Upper

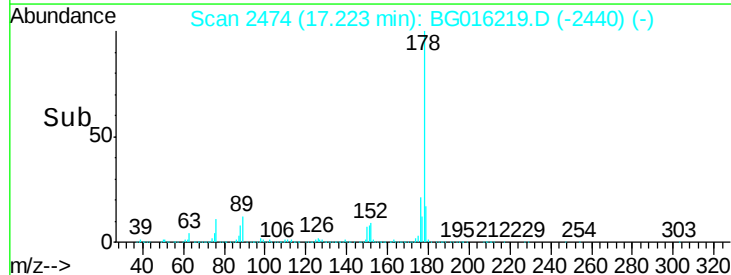
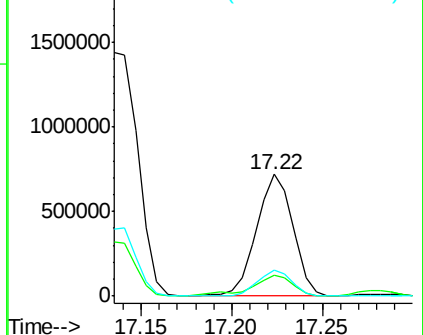
178 100

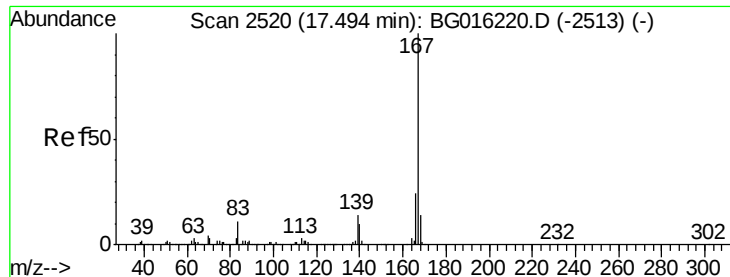
179 16.9 13.0 19.4

176 21.3 15.9 23.9



Abundance Ion 178.00 (177.70 to 178.70): E
2000000 Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 10.92 ng/ul

RT: 17.49 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

Instrument :

BNA_G

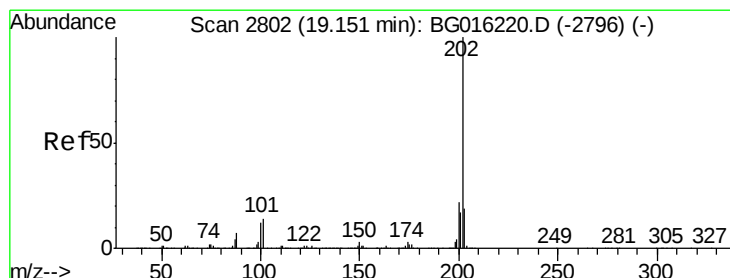
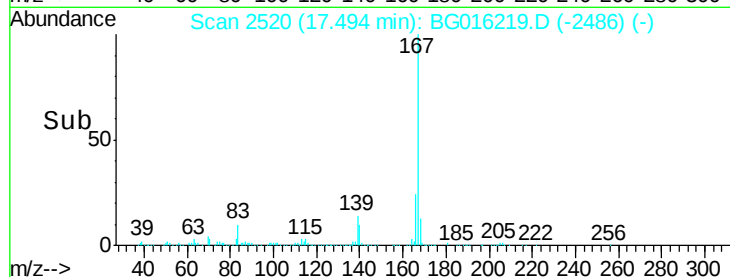
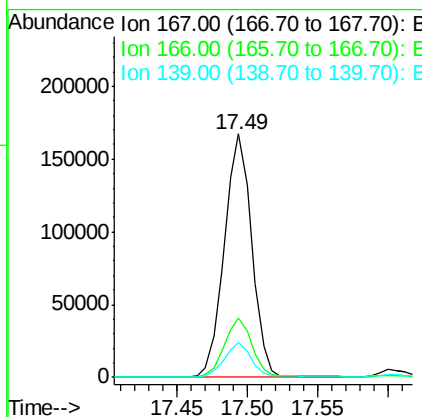
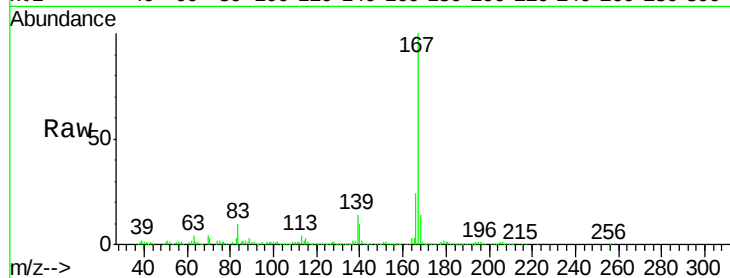
ClientSampleId :

C0AC8

Tgt Ion:	167	Resp:	224742
Ion Ratio	Lower	Upper	
167	100		
166	24.4	18.4	27.6
139	14.4	10.7	16.1

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#74

Fluoranthene

Concen: 117.60 ng/ul

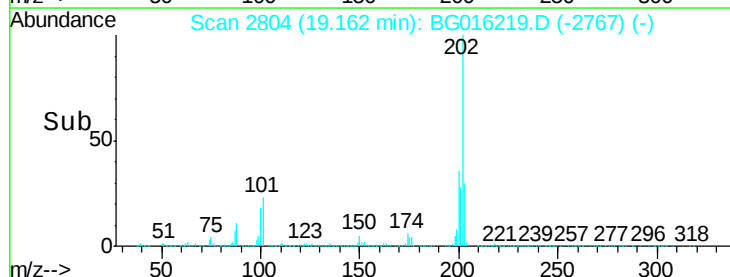
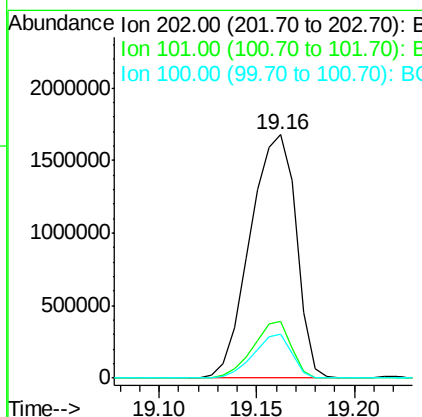
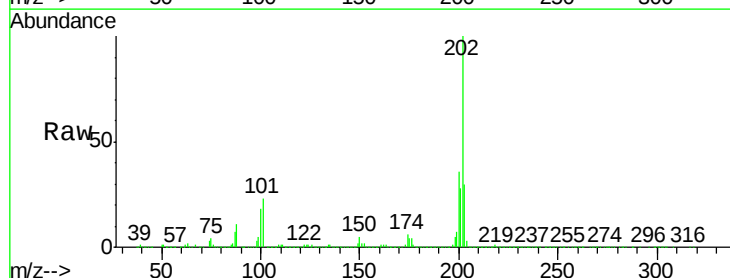
RT: 19.16 min Scan# 2804

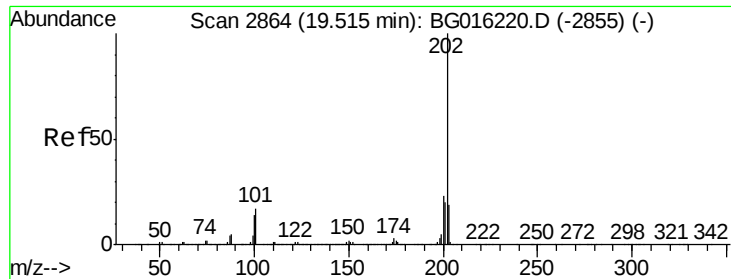
Delta R.T. 0.02 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

Tgt Ion:	202	Resp:	2727227
Ion Ratio	Lower	Upper	
202	100		
101	23.2	11.8	17.8#
100	18.0	9.4	14.0#





#77

Pyrene

Concen: 106.33 ng/ul

RT: 19.52 min Scan# 2865

Delta R.T. 0.01 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

Instrument :

BNA_G

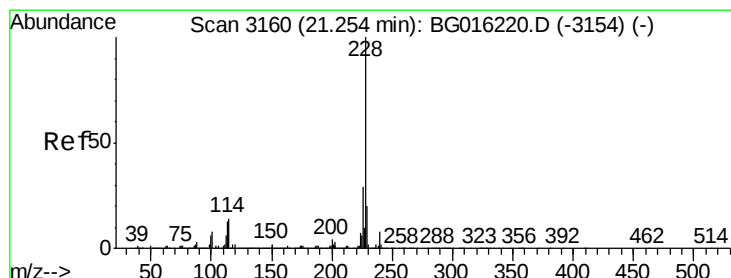
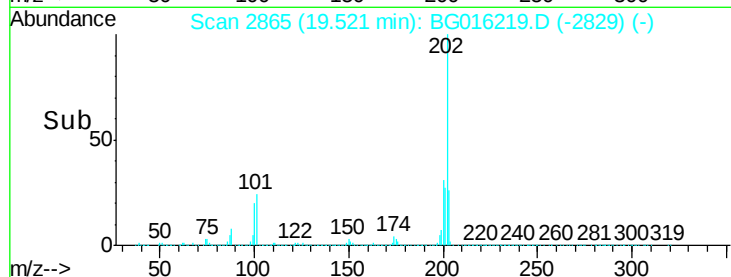
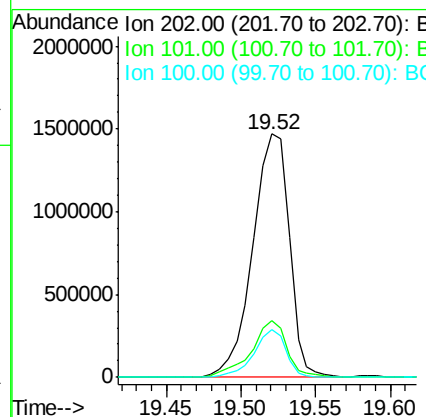
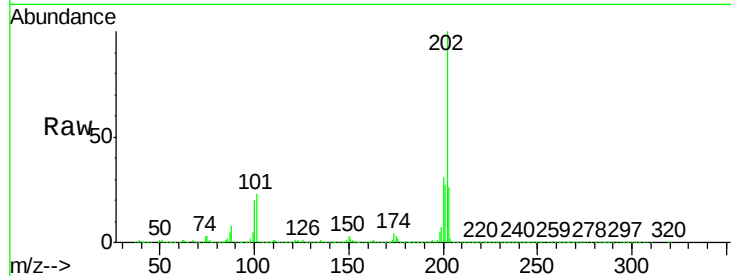
ClientSampleId :

C0AC8

Tgt	Ion	Ratio	Lower	Upper
202	100			
101	23.5	13.4	20.0#	
100	19.7	11.1	16.7#	

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#80

Benzo(a)anthracene

Concen: 63.93 ng/ul

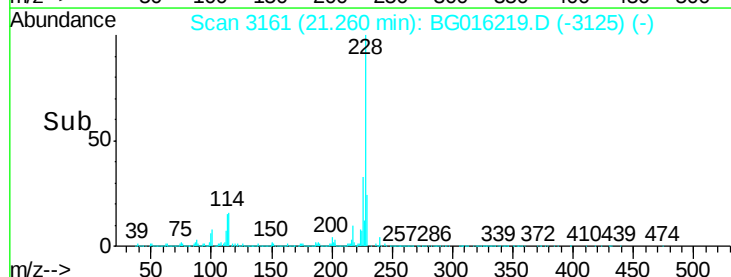
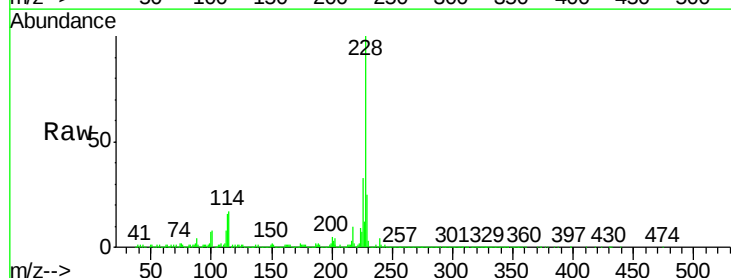
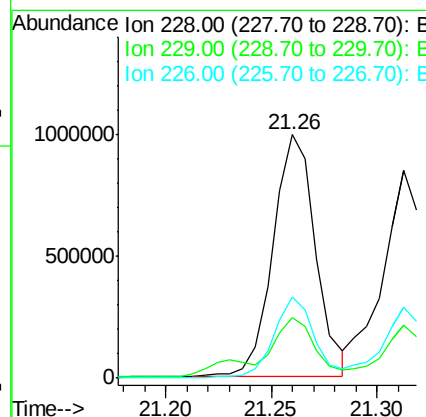
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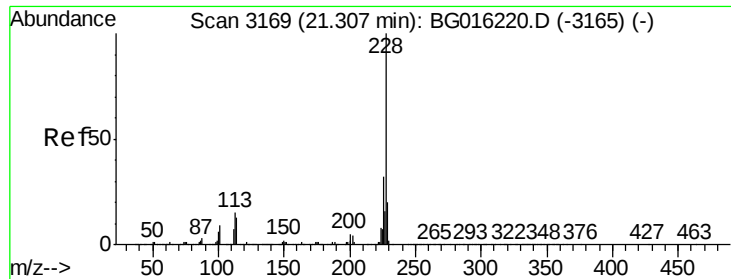
Delta R.T. 0.01 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

Tgt	Ion	Ratio	Lower	Upper
228	100			
229	24.8	16.5	24.7#	
226	33.2	23.0	34.4	





#82

Chrysene

Concen: 56.89 ng/ul

RT: 21.31 min Scan# 3170

Delta R.T. 0.01 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

Instrument :

BNA_G

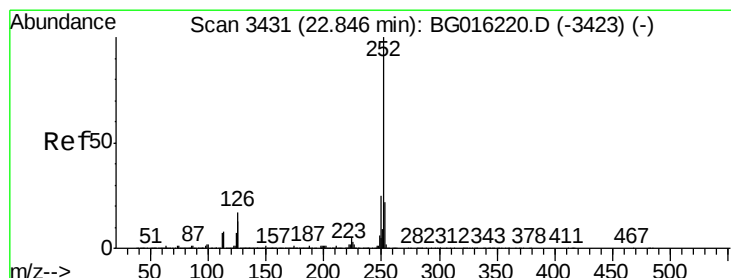
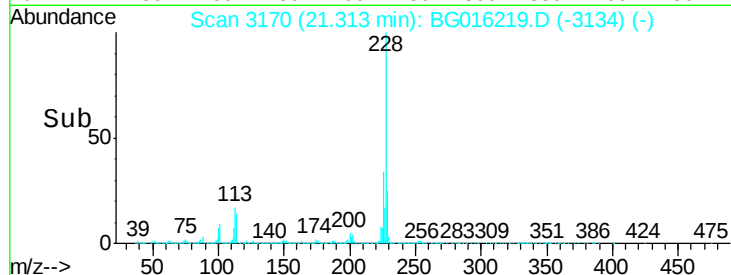
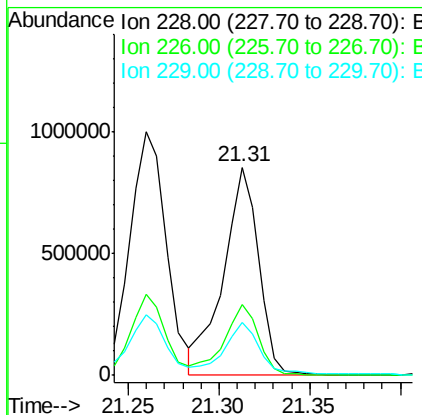
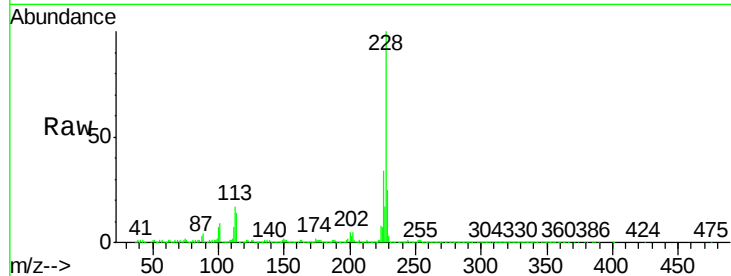
ClientSampleId :

C0AC8

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.7	25.4	38.0
229	25.3	16.5	24.7

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#85

Benzo(b)fluoranthene

Concen: 71.03 ng/ul

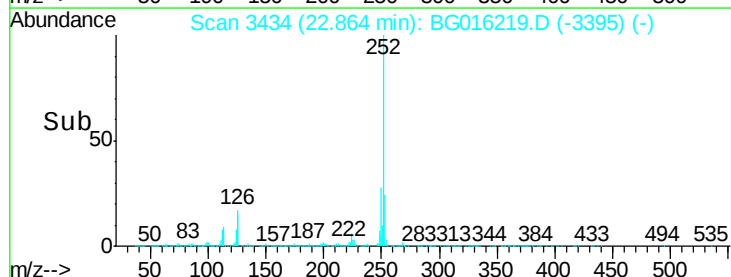
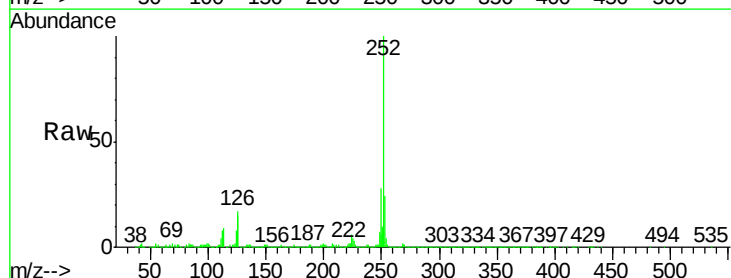
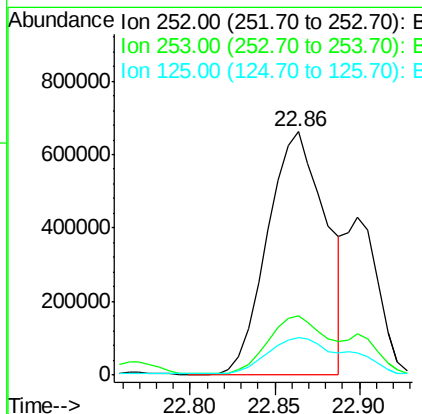
RT: 22.86 min Scan# 3434

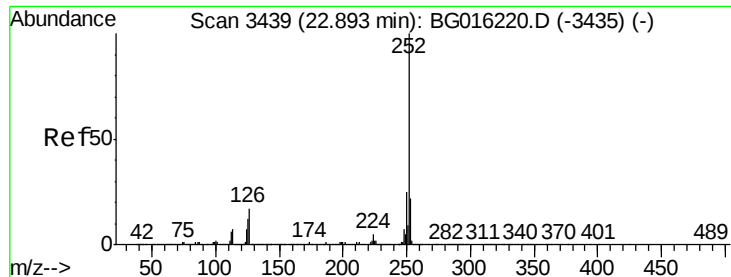
Delta R.T. 0.03 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	15.4	10.6	15.8





#86

Benzo(k)fluoranthene

Concen: 26.83 ng/ul m

RT: 22.90 min Scan# 3440

Delta R.T. 0.02 min

Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

Instrument :

BNA_G

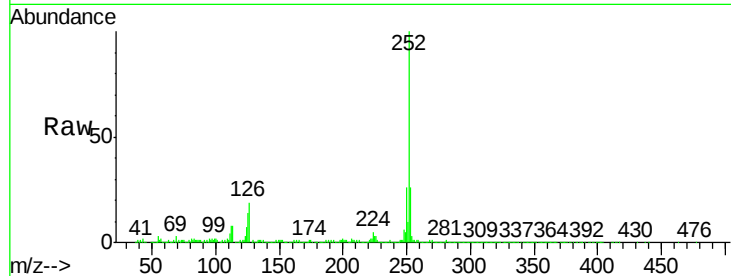
ClientSampleId :

C0AC8

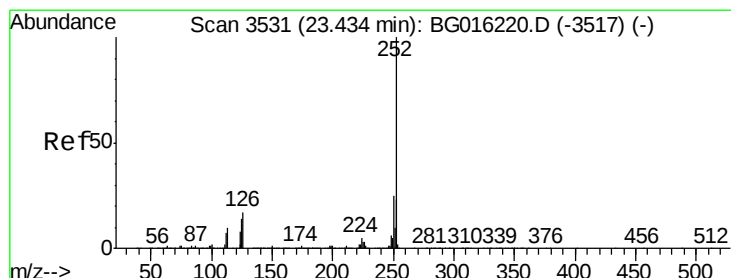
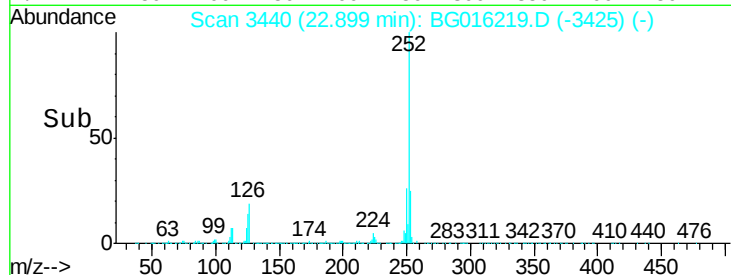
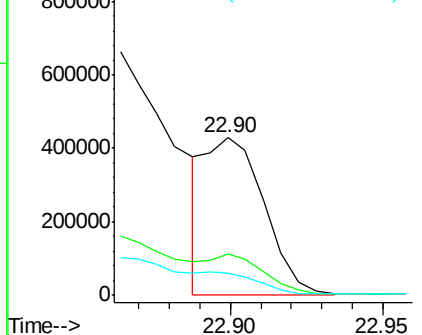
Tgt Ion:	252	Resp:	576611
Ion Ratio		Lower	Upper
252	100		
253	26.0	18.6	28.0
125	14.5	11.8	17.6

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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



#88

Benzo(a)pyrene

Concen: 57.64 ng/ul

RT: 23.45 min Scan# 3533

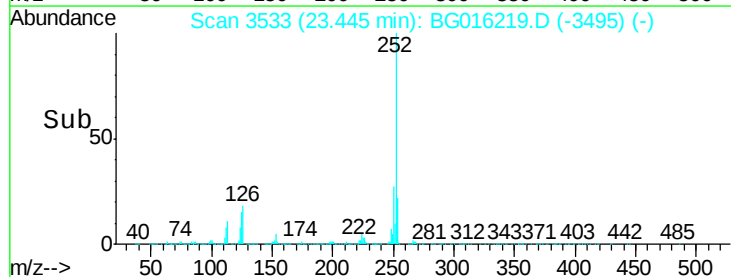
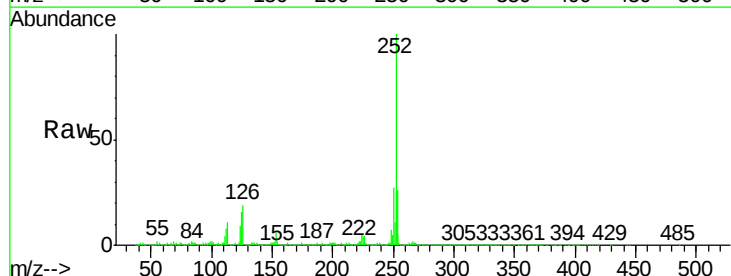
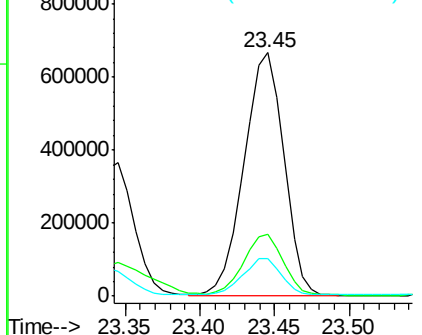
Delta R.T. 0.02 min

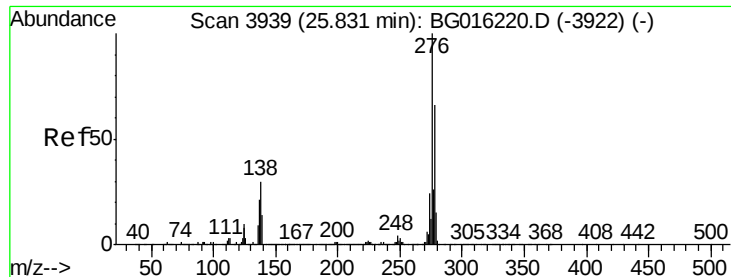
Lab File: BG016219.D

Acq: 2 Apr 2015 10:38

Tgt Ion:	252	Resp:	1225865
Ion Ratio		Lower	Upper
252	100		
253	25.6	17.7	26.5
125	15.6	12.1	18.1

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





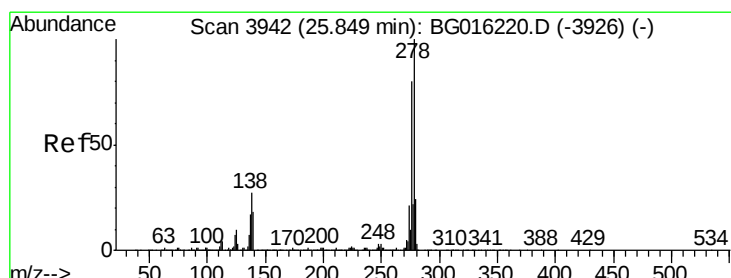
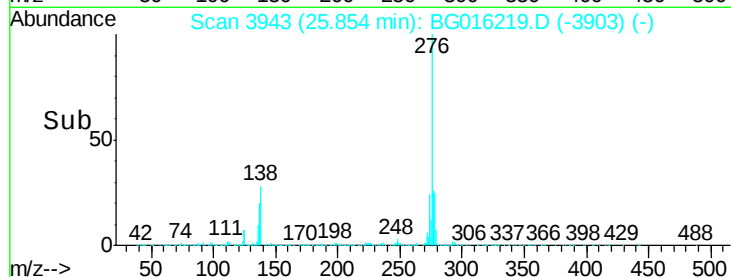
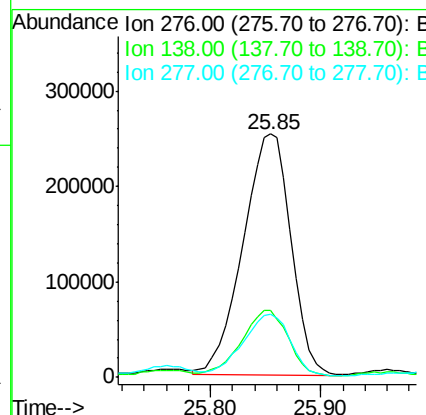
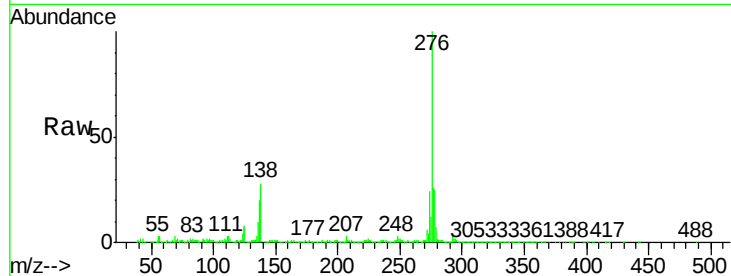
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 30.90 ng/ul
 RT: 25.85 min Scan# 3943
 Delta R.T. 0.04 min
 Lab File: BG016219.D
 Acq: 2 Apr 2015 10:38

Instrument :
 BNA_G
 ClientSampleId :
 C0AC8

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	27.7	27.0	40.6
277	25.9	21.8	32.6

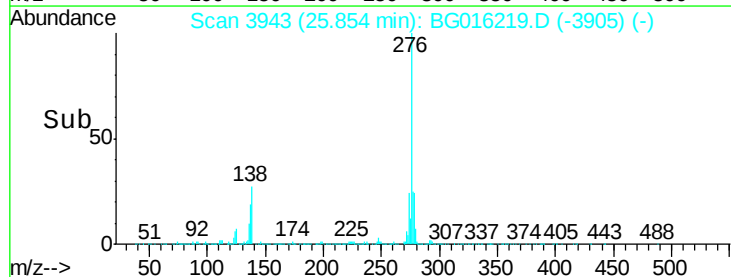
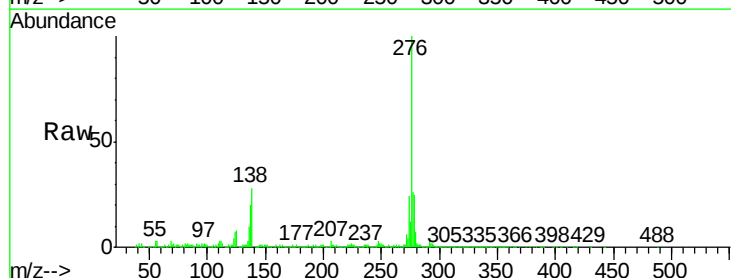
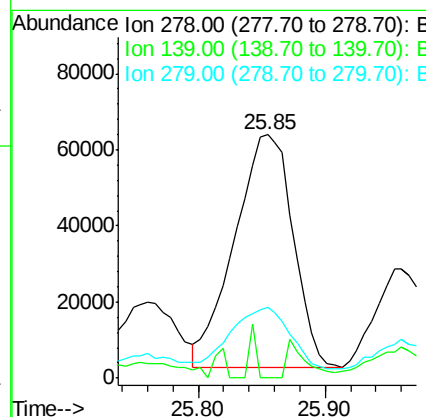
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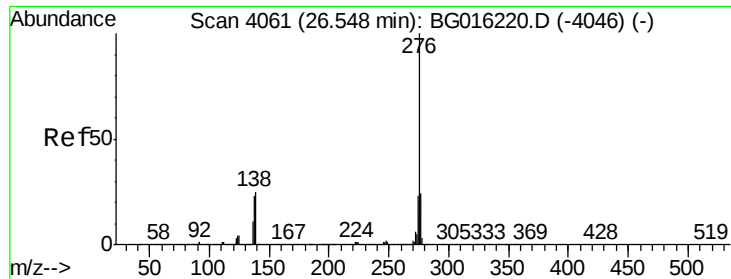
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#90
 Dibenzo(a,h)anthracene
 Concen: 9.49 ng/ul
 RT: 25.85 min Scan# 3943
 Delta R.T. 0.02 min
 Lab File: BG016219.D
 Acq: 2 Apr 2015 10:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	0.0	16.5	24.7#
279	28.8	19.3	28.9





#91
 Benzo(g,h,i)perylene
 Concen: 29.29 ng/ul
 RT: 26.56 min Scan# 4063
 Delta R.T. 0.04 min
 Lab File: BG016219.D
 Acq: 2 Apr 2015 10:38

Instrument :
 BNA_G
 ClientSampleId :
 C0AC8

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		595389		
138	26.5	21.0	31.6		
277	25.2	19.2	28.8		

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