

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
 Data File : BG016184.D
 Acq On : 27 Mar 2015 20:38
 Operator : TP/IZ
 Sample : G1647-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC9

Manual Integrations
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Quant Time: Mar 28 06:22:51 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 28 05:59:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	58443	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	267779	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	161590	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	321819	20.00	ng/ul	0.00
75) Chrysene-d12	21.32	240	312321	20.00	ng/ul	0.00
83) Perylene-d12	23.61	264	314338	20.00	ng/ul	0.00

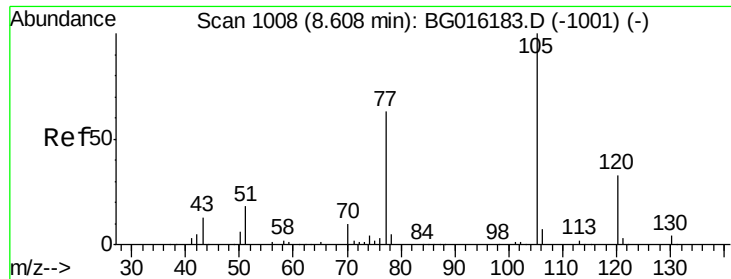
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.96	99	140378	26.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	74061	25.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	111471	27.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	111036	28.13	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	60685	28.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	63755	31.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.19	165	104729	27.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.71	131	135240	26.03	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	301672	28.64	ng/ul	0.00
46) Acenaphthylene-d8	14.10	160	406159	27.72	ng/ul	0.00
51) 4-Nitrophenol-d4	14.61	143	55567	22.08	ng/ul	0.00
57) Fluorene-d10	15.40	176	279865	26.57	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	37845	22.50	ng/ul	0.00
70) Anthracene-d10	17.25	188	389120	26.47	ng/ul	0.00
76) Pyrene-d10	19.54	212	379713	27.19	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.47	264	339442	24.76	ng/ul	0.00

Target Compounds

						Qvalue
14) Acetophenone	8.61	105	10550	1.69	ng/ul	94
28) Naphthalene	10.63	128	15151	1.05	ng/ul	99
34) 2-Methylnaphthalene	12.24	142	11226	1.10	ng/ul	96
44) Dimethylphthalate	13.87	163	25055	2.10	ng/ul	98
49) Acenaphthene	14.48	153	37034	3.36	ng/ul	95
53) Dibenzofuran	14.81	168	52535	3.53	ng/ul	97
58) Fluorene	15.46	166	81302	6.26	ng/ul	99
69) Phenanthrene	17.19	178	673243	36.80	ng/ul	98
71) Anthracene	17.29	178	237974	12.81	ng/ul	99
72) Carbazole	17.55	167	36157	2.02	ng/ul	97
74) Fluoranthene	19.21	202	894770	43.26	ng/ul	99
77) Pyrene	19.57	202	723967	37.67	ng/ul	99
80) Benzo(a)anthracene	21.31	228	395915	22.37	ng/ul	99
82) Chrysene	21.36	228	333024	19.78	ng/ul	97
85) Benzo(b)fluoranthene	22.92	252	401247	22.24	ng/ul	96
86) Benzo(k)fluoranthene	22.96	252	149381m	8.38	ng/ul	
88) Benzo(a)pyrene	23.51	252	311961	17.35	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.95	276	170952	8.22	ng/ul	95
90) Dibenzo(a,h)anthracene	25.95	278	46732	2.68	ng/ul#	89
91) Benzo(g,h,i)perylene	26.67	276	133178	7.62	ng/ul	98

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



#14

Acetophenone

Concen: 1.69 ng/ul

RT: 8.61 min Scan# 1007

Delta R.T. -0.00 min

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Instrument :

BNA_G

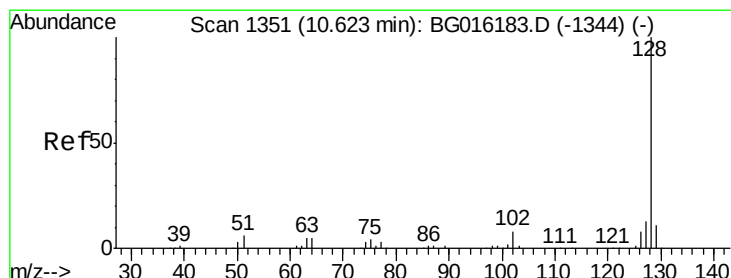
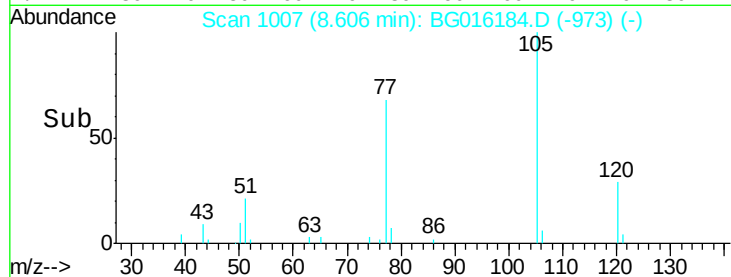
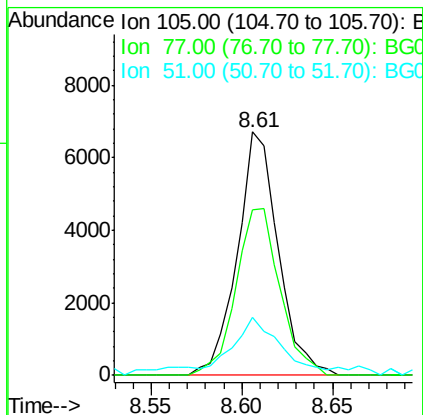
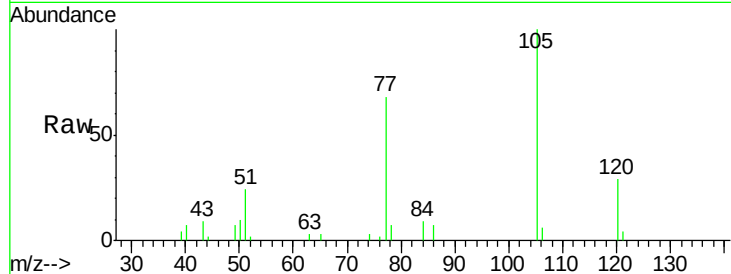
ClientSampleId :

C0AC9

Tgt Ion:	105	Resp:	10550
Ion Ratio	Lower	Upper	
105	100		
77	67.9	57.8	86.8
51	23.8	16.5	24.7

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#28

Naphthalene

Concen: 1.05 ng/ul

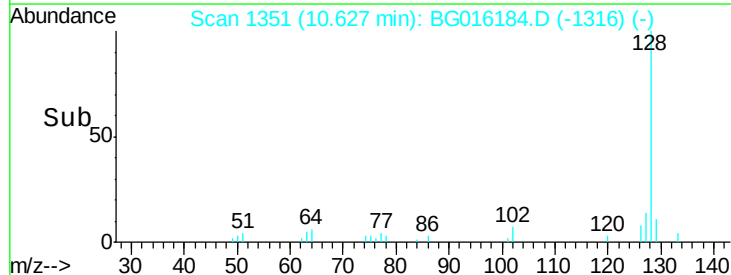
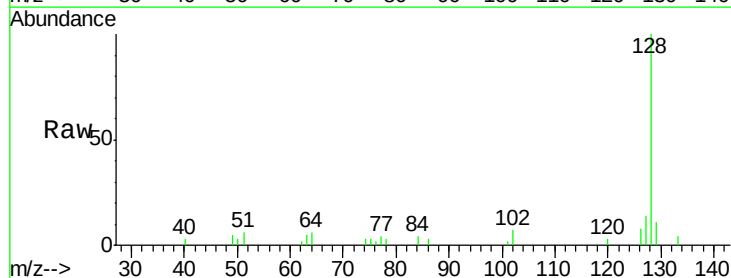
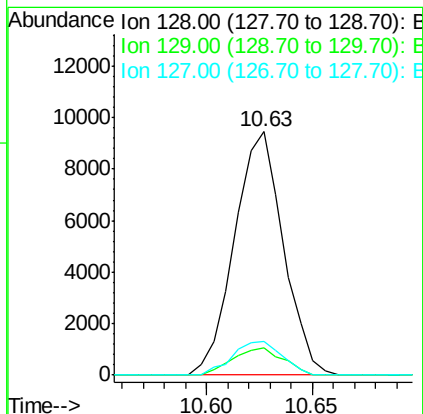
RT: 10.63 min Scan# 1351

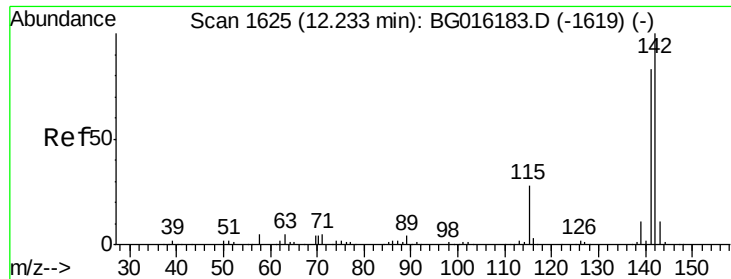
Delta R.T. 0.00 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

Tgt Ion:	128	Resp:	15151
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.0	13.4
127	13.7	10.4	15.6





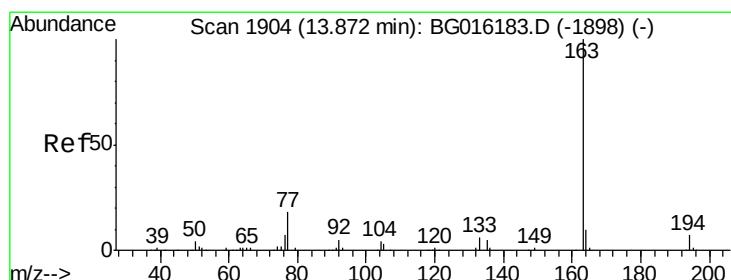
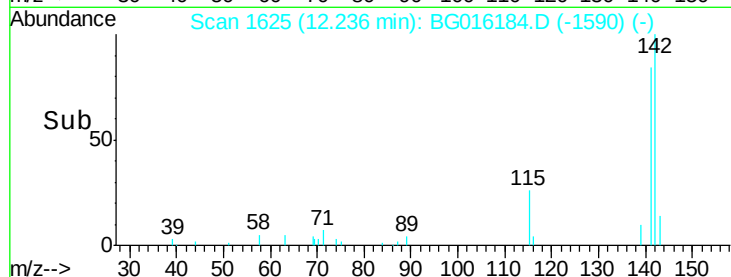
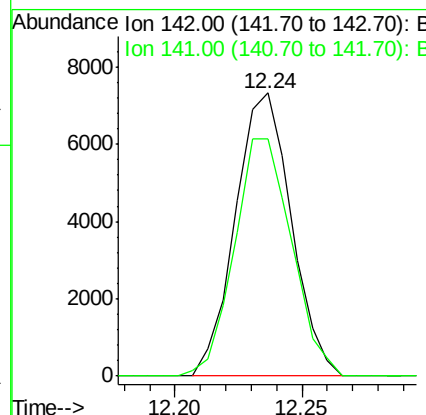
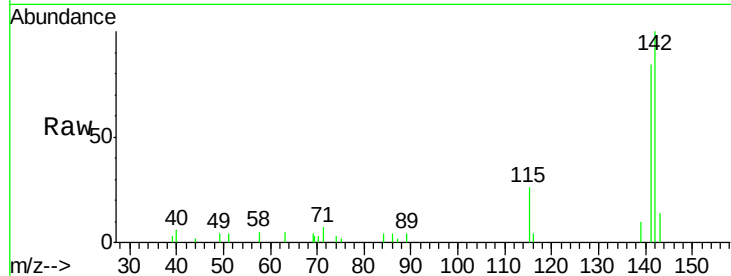
#34
 2-Methylnaphthalene
 Concen: 1.10 ng/ul
 RT: 12.24 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BG016184.D
 Acq: 27 Mar 2015 20:38

Instrument :
 BNA_G
 ClientSampleId :
 C0AC9

Tgt Ion:142 Resp: 11226
 Ion Ratio Lower Upper
 142 100
 141 83.7 70.2 105.2

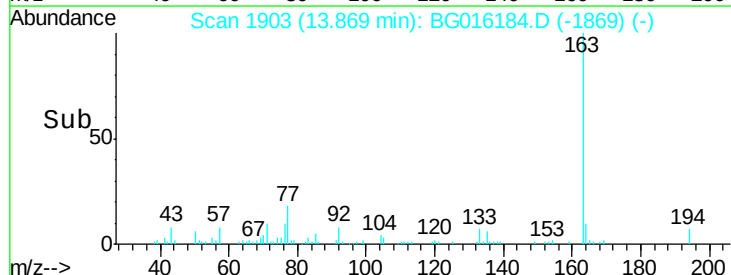
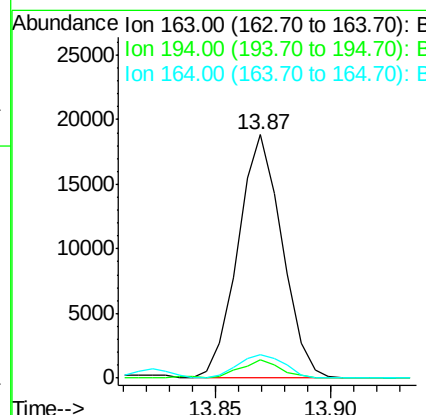
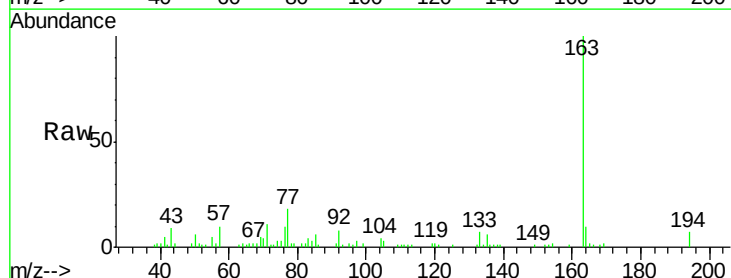
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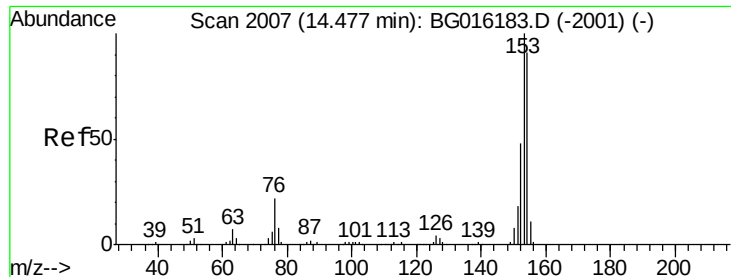
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#44
 Dimethylphthalate
 Concen: 2.10 ng/ul
 RT: 13.87 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: BG016184.D
 Acq: 27 Mar 2015 20:38

Tgt Ion:163 Resp: 25055
 Ion Ratio Lower Upper
 163 100
 194 7.5 5.4 8.0
 164 9.8 8.2 12.4





#49

Acenaphthene

Concen: 3.36 ng/ul

RT: 14.48 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

Instrument :

BNA_G

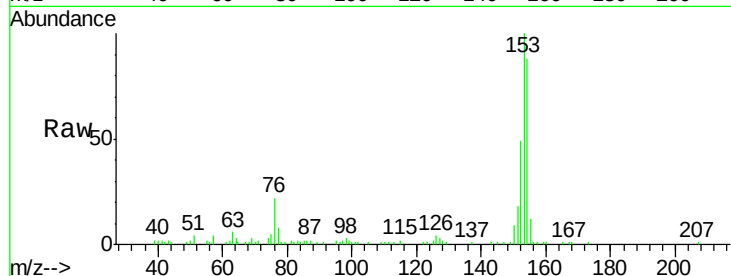
ClientSampleId :

C0AC9

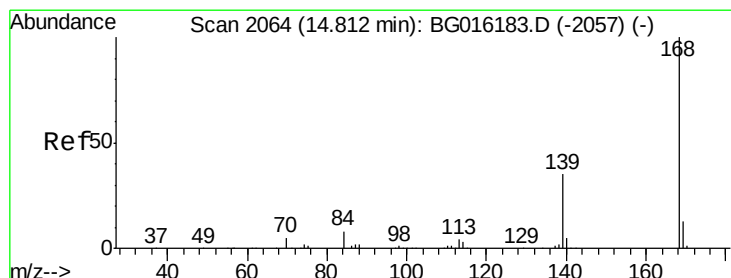
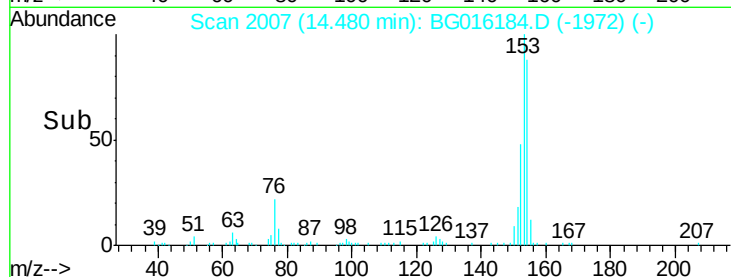
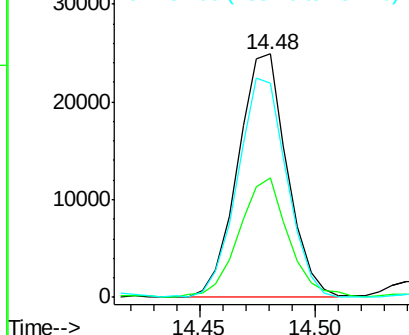
Tgt Ion:	153	Resp:	37034
Ion Ratio	Lower	Upper	
153	100		
152	49.0	37.4	56.2
154	87.9	74.4	111.6

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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

Dibenzofuran

Concen: 3.53 ng/ul

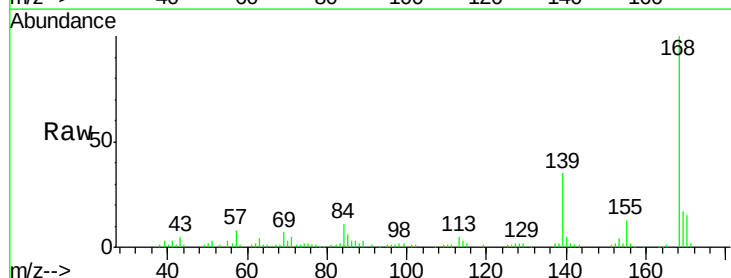
RT: 14.81 min Scan# 2063

Delta R.T. -0.00 min

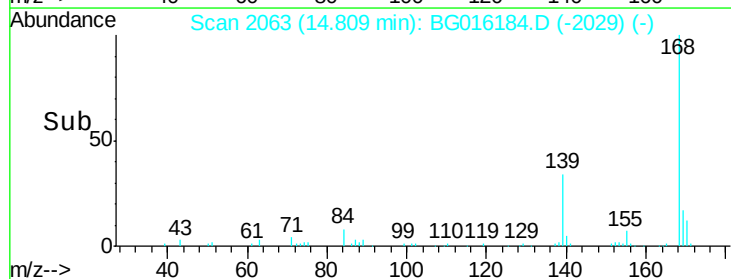
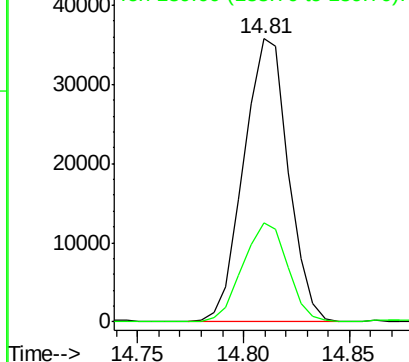
Lab File: BG016184.D

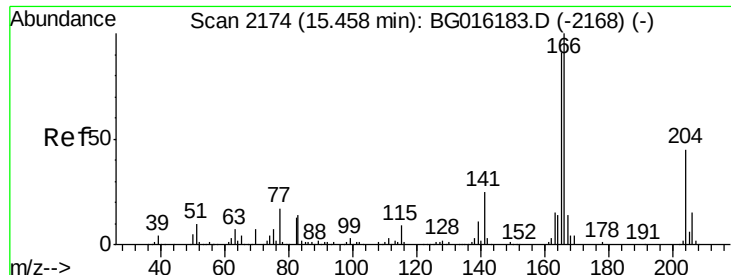
Acq: 27 Mar 2015 20:38

Tgt Ion:	168	Resp:	52535
Ion Ratio	Lower	Upper	
168	100		
139	34.8	29.1	43.7



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





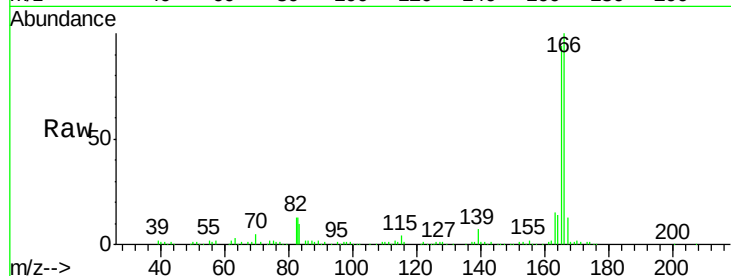
#58
 Fluorene
 Concen: 6.26 ng/ul
 RT: 15.46 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: BG016184.D
 Acq: 27 Mar 2015 20:38

Instrument :
 BNA_G
 ClientSampleId :
 C0AC9

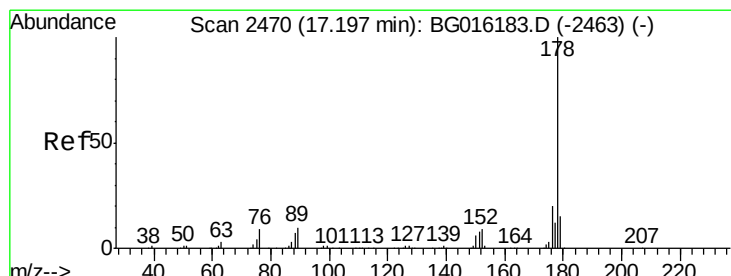
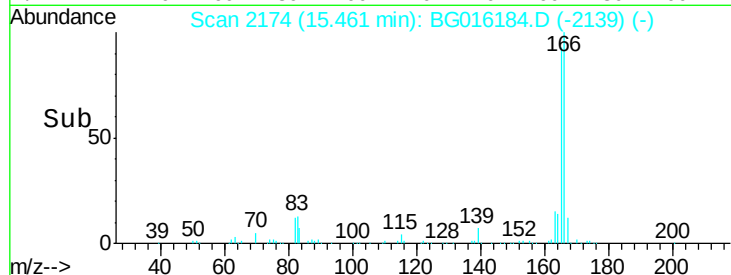
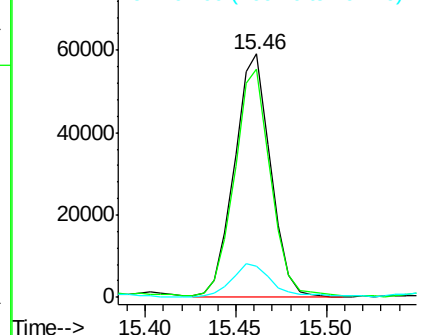
Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.9	76.1	114.1
167	12.8	10.5	15.7

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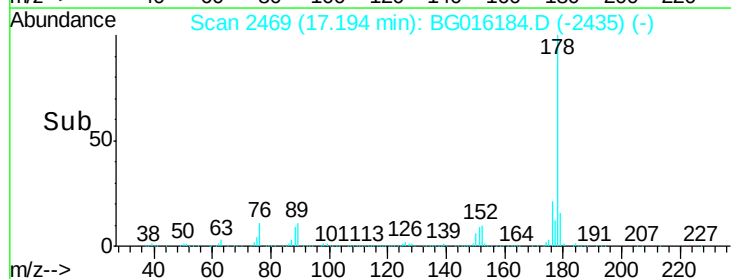
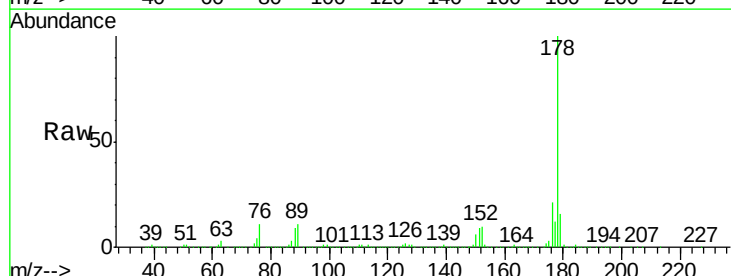
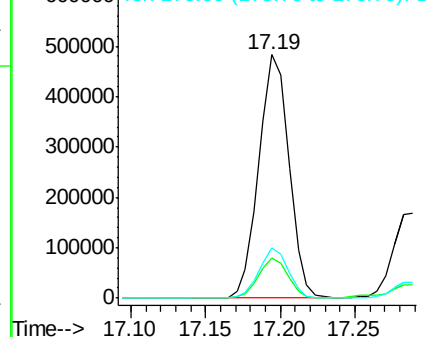
Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

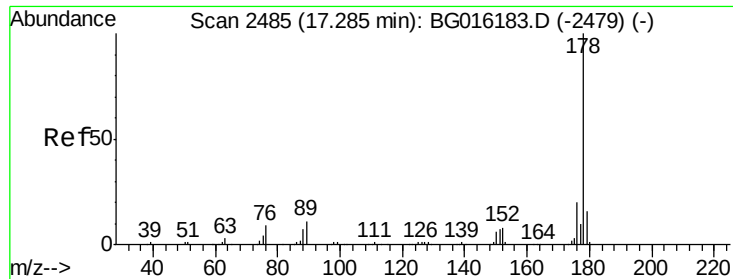


#69
 Phenanthrene
 Concen: 36.80 ng/ul
 RT: 17.19 min Scan# 2469
 Delta R.T. -0.00 min
 Lab File: BG016184.D
 Acq: 27 Mar 2015 20:38

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.8	19.2
176	20.6	15.6	23.4

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





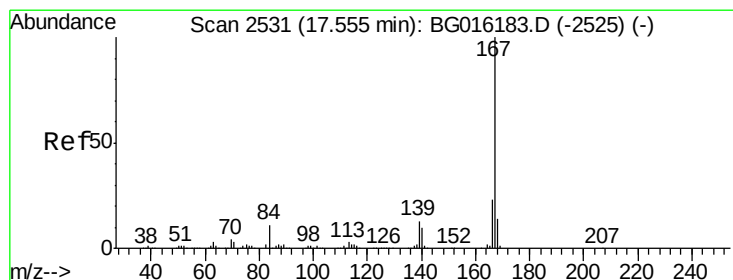
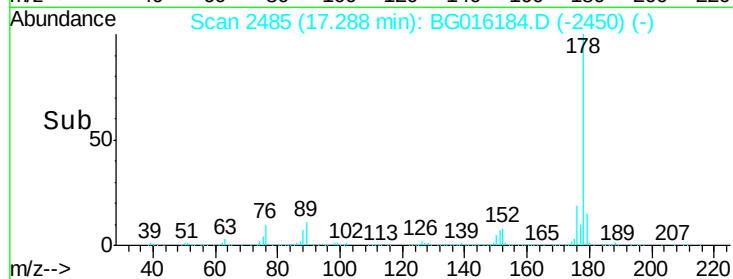
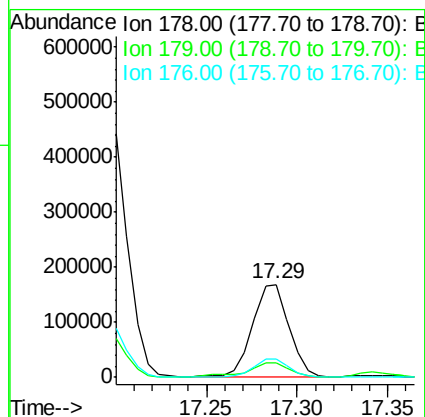
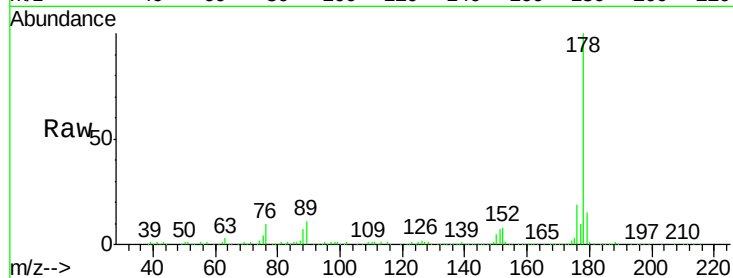
#71
 Anthracene
 Concen: 12.81 ng/ul
 RT: 17.29 min Scan# 2485
 Delta R.T. 0.00 min
 Lab File: BG016184.D
 Acq: 27 Mar 2015 20:38

Instrument :
 BNA_G
 ClientSampleId :
 C0AC9

Tgt Ion:	178	Resp:	237974
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.7	19.1
176	19.1	15.3	22.9

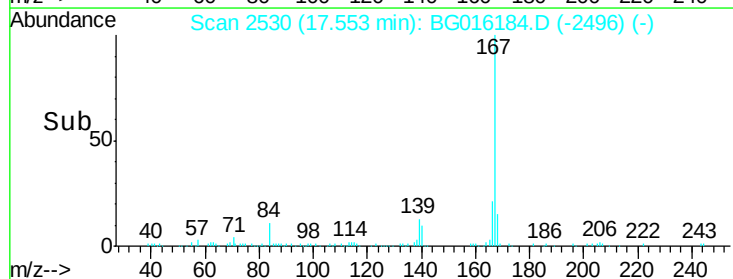
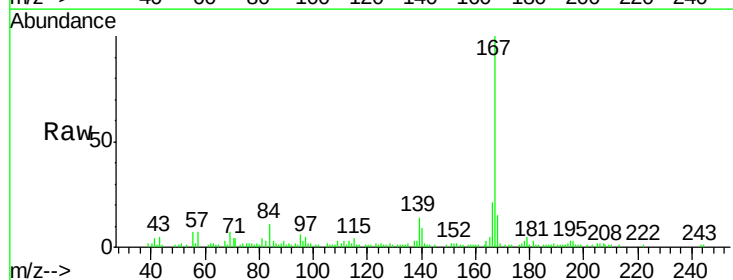
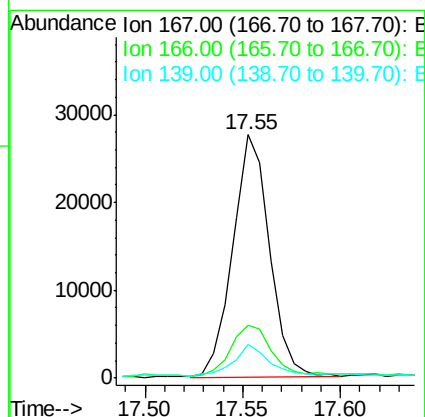
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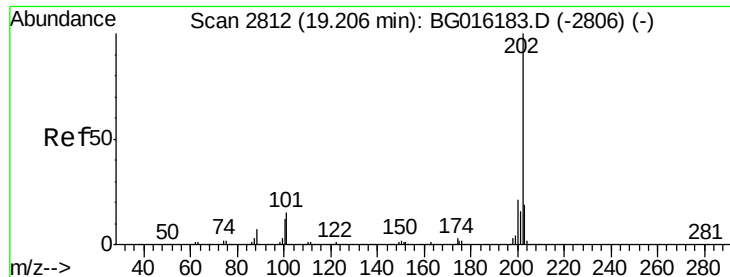
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#72
 Carbazole
 Concen: 2.02 ng/ul
 RT: 17.55 min Scan# 2530
 Delta R.T. -0.00 min
 Lab File: BG016184.D
 Acq: 27 Mar 2015 20:38

Tgt Ion:	167	Resp:	36157
Ion Ratio	Lower	Upper	
167	100		
166	21.5	18.2	27.2
139	13.8	10.0	15.0





#74

Fluoranthene

Concen: 43.26 ng/ul

RT: 19.21 min Scan# 2812

Delta R.T. 0.00 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

Instrument :

BNA_G

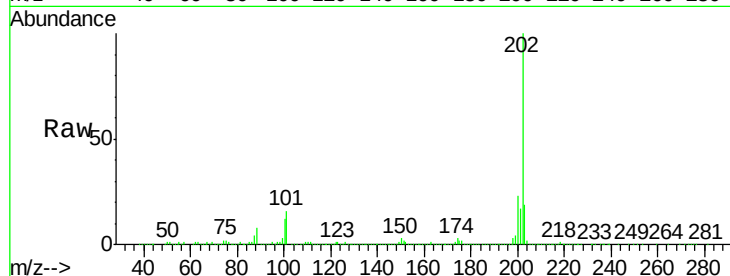
ClientSampleId :

C0AC9

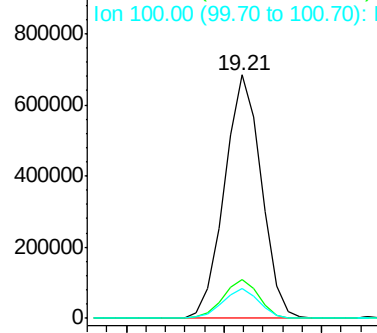
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		894770		
101	15.9	12.9	19.3		
100	12.2	9.4	14.2		

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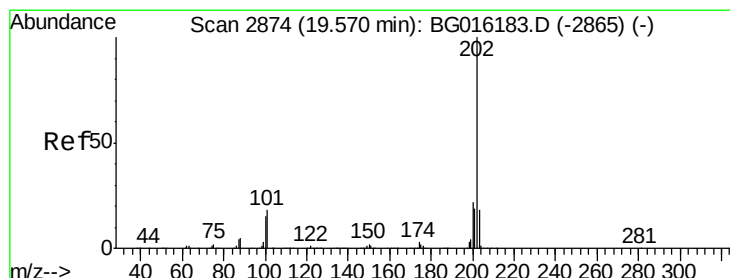
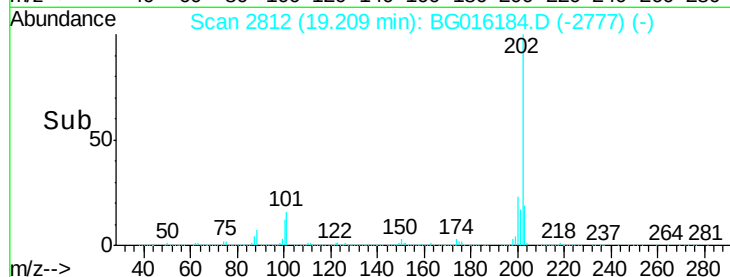
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->



#77

Pyrene

Concen: 37.67 ng/ul

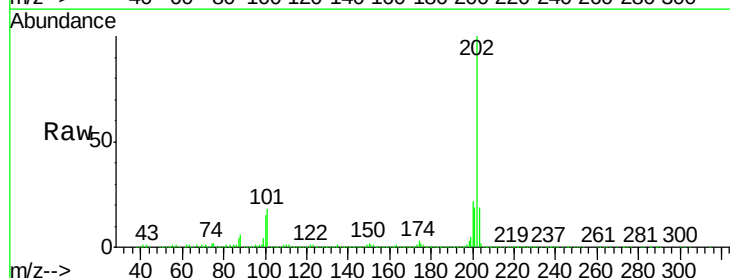
RT: 19.57 min Scan# 2874

Delta R.T. 0.00 min

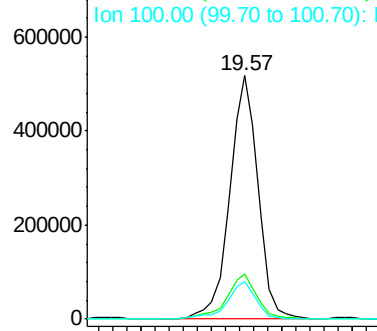
Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

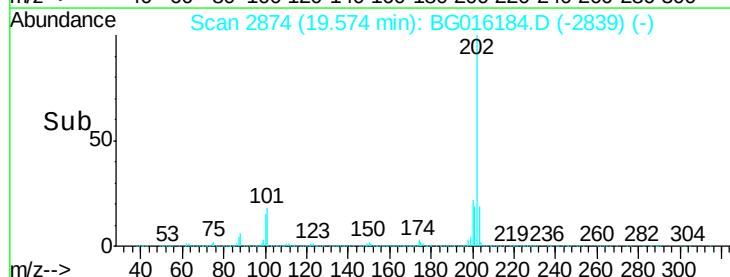
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		723967		
101	18.4	14.6	21.8		
100	15.3	12.1	18.1		

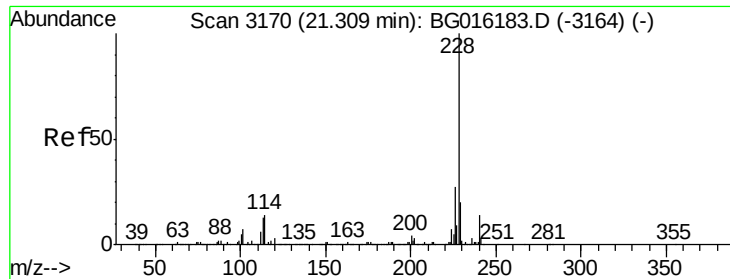


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->





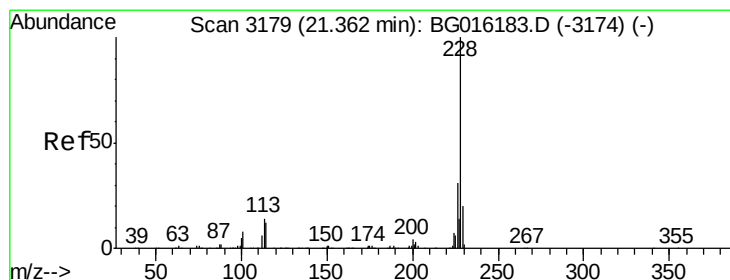
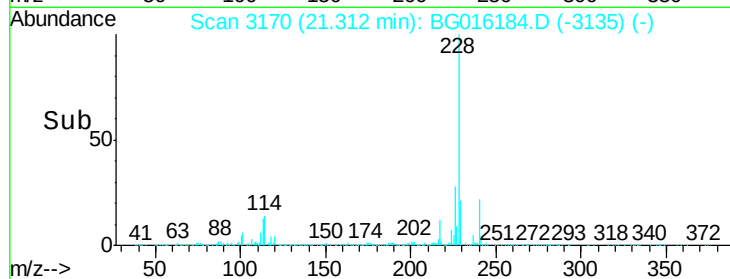
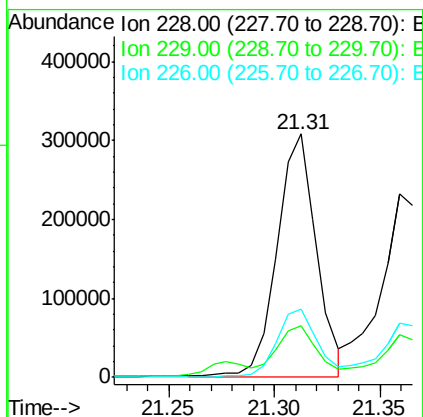
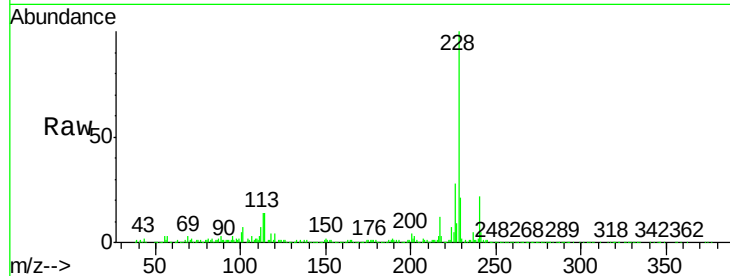
#80
Benzo(a)anthracene
Concen: 22.37 ng/ul
RT: 21.31 min Scan# 3170
Delta R.T. 0.00 min
Lab File: BG016184.D
Acq: 27 Mar 2015 20:38

Instrument :
BNA_G
ClientSampleId :
C0AC9

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	395915		
229	21.2	16.2	24.4	
226	28.0	22.4	33.6	

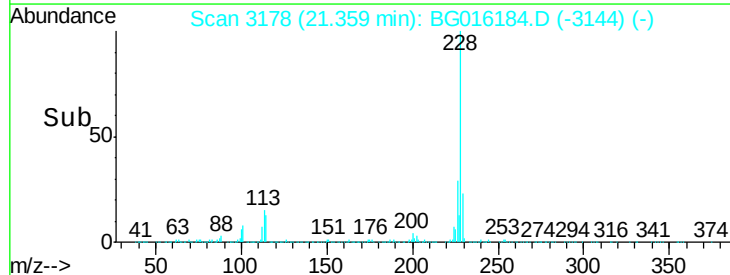
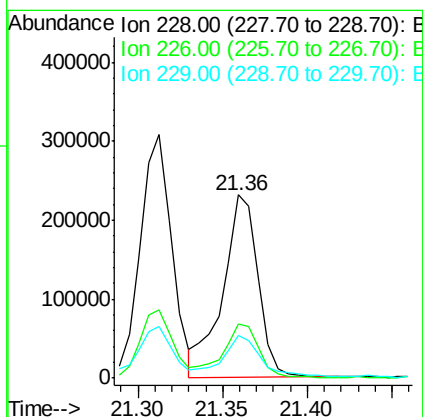
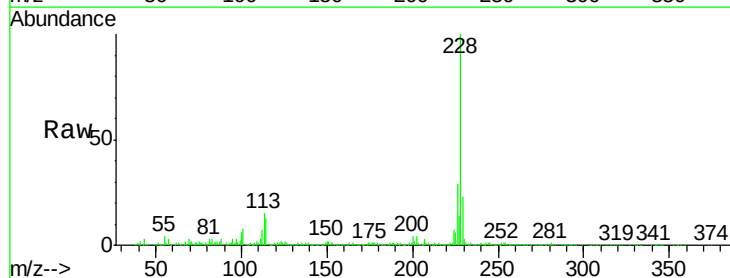
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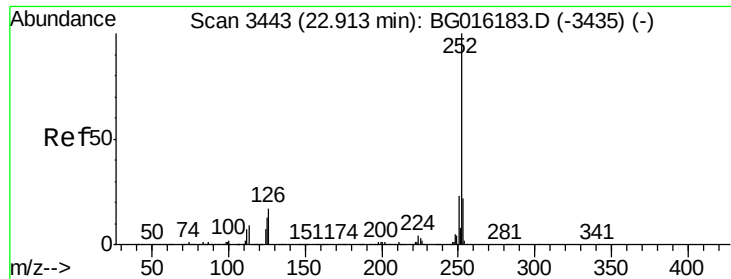
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#82
Chrysene
Concen: 19.78 ng/ul
RT: 21.36 min Scan# 3178
Delta R.T. -0.00 min
Lab File: BG016184.D
Acq: 27 Mar 2015 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	333024		
226	29.5	24.6	36.8	
229	23.2	16.6	25.0	





#85

Benzo(b)fluoranthene

Concen: 22.24 ng/ul

RT: 22.92 min Scan# 3444

Delta R.T. 0.01 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

Instrument :

BNA_G

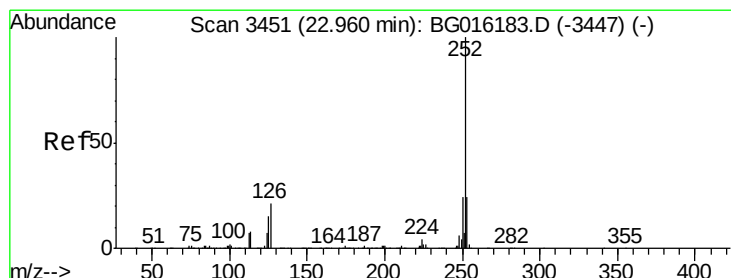
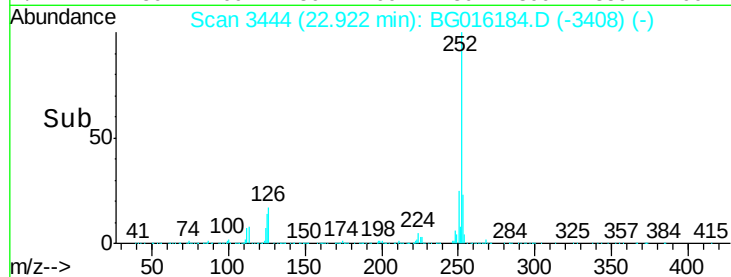
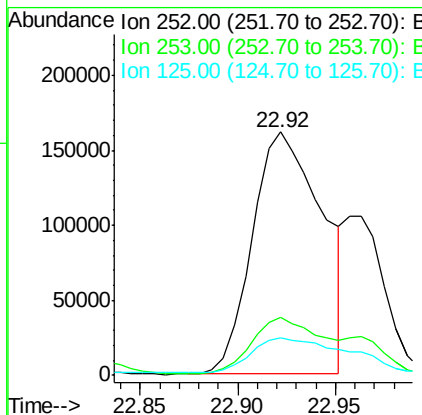
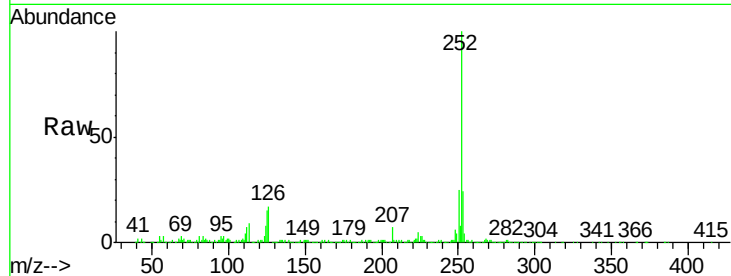
ClientSampleId :

C0AC9

Tgt Ion:	252	Resp:	401247
Ion Ratio		Lower	Upper
252	100		
253	24.1	17.9	26.9
125	15.4	11.0	16.6

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 8.38 ng/ul m

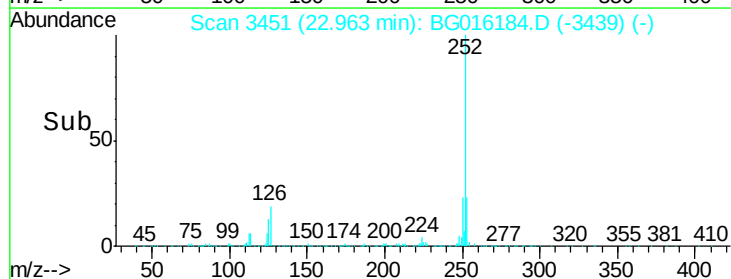
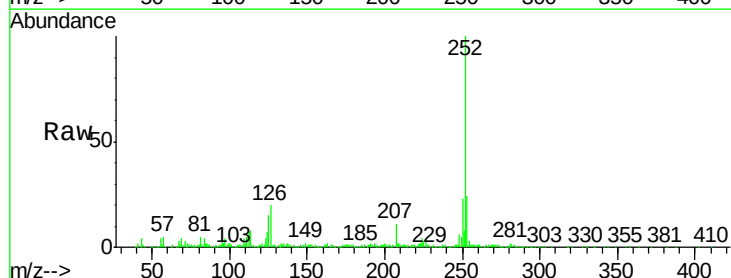
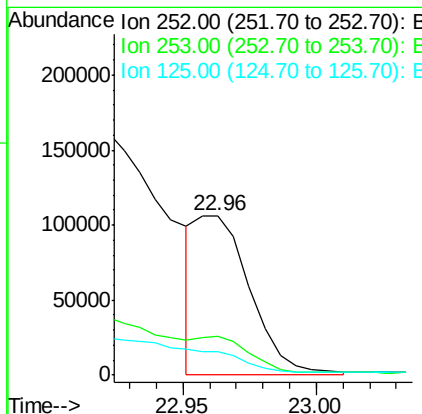
RT: 22.96 min Scan# 3451

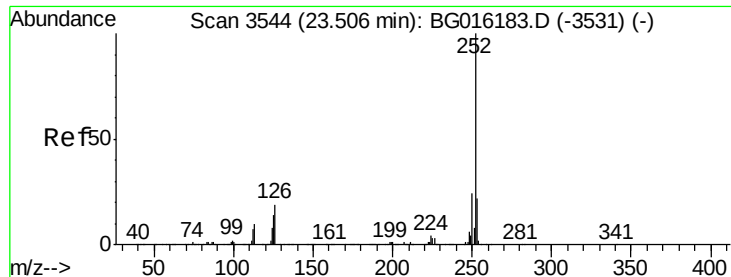
Delta R.T. 0.00 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

Tgt Ion:	252	Resp:	149381
Ion Ratio		Lower	Upper
252	100		
253	24.4	17.8	26.6
125	14.5	10.7	16.1





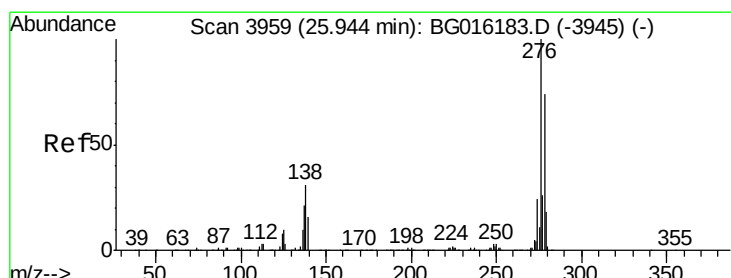
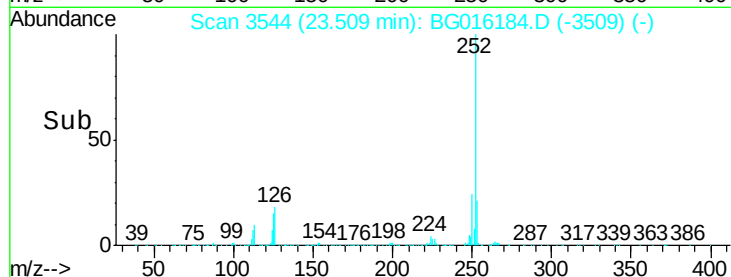
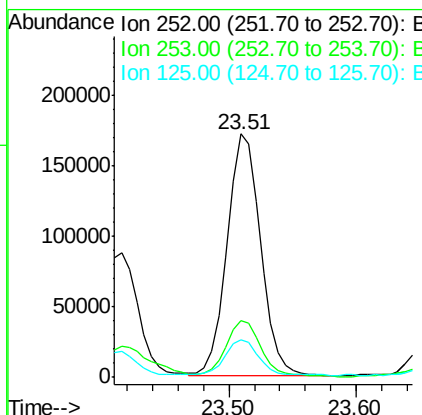
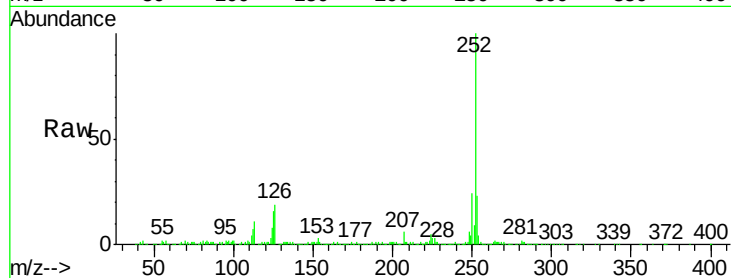
#88
Benzo(a)pyrene
Concen: 17.35 ng/ul
RT: 23.51 min Scan# 3544
Delta R.T. 0.00 min
Lab File: BG016184.D
Acq: 27 Mar 2015 20:38

Instrument :
BNA_G
ClientSampleId :
C0AC9

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.3	17.6	26.4
125	15.7	11.5	17.3

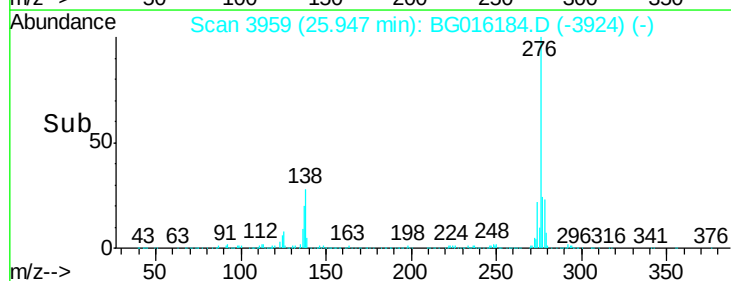
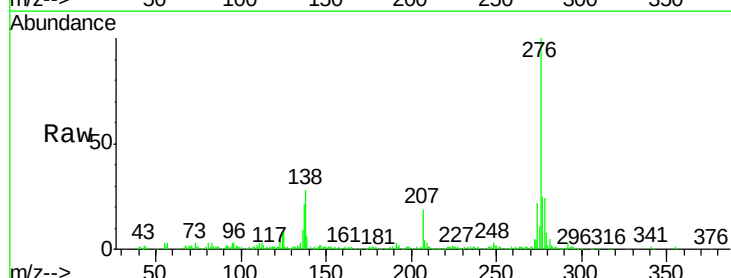
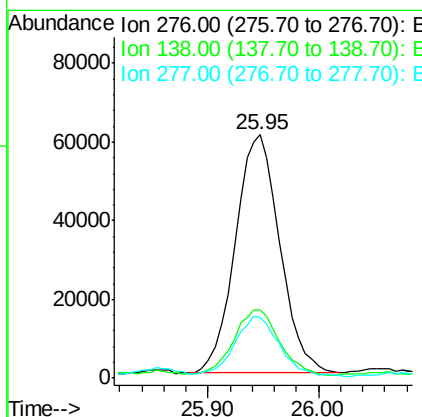
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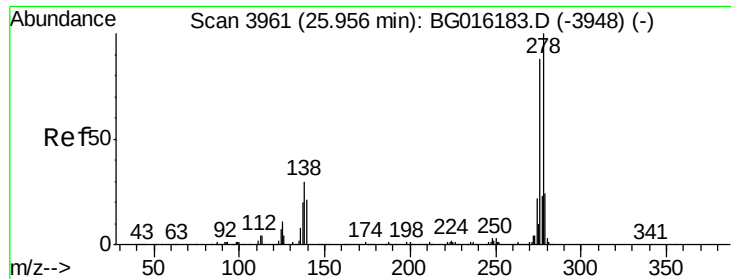
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#89
Indeno(1,2,3-cd)pyrene
Concen: 8.22 ng/ul
RT: 25.95 min Scan# 3959
Delta R.T. 0.00 min
Lab File: BG016184.D
Acq: 27 Mar 2015 20:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	28.1	26.1	39.1
277	25.0	20.0	30.0





#90

Dibenzo(a,h)anthracene

Concen: 2.68 ng/ul

RT: 25.95 min Scan# 3959

Delta R.T. -0.01 min

Lab File: BG016184.D

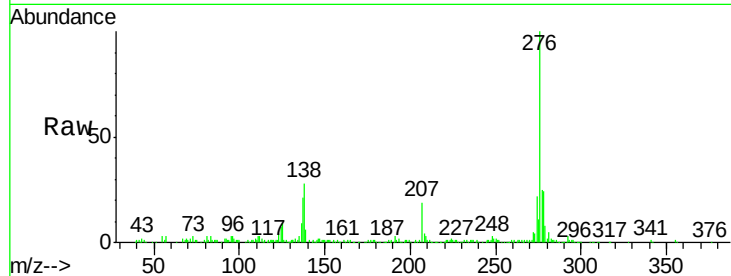
Acq: 27 Mar 2015 20:38

Instrument :

BNA_G

ClientSampleId :

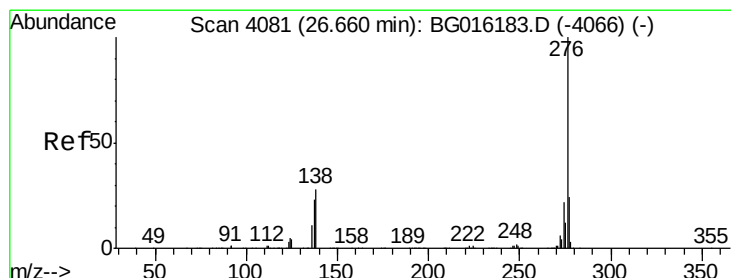
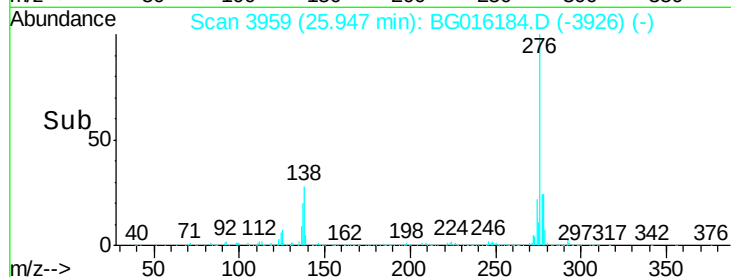
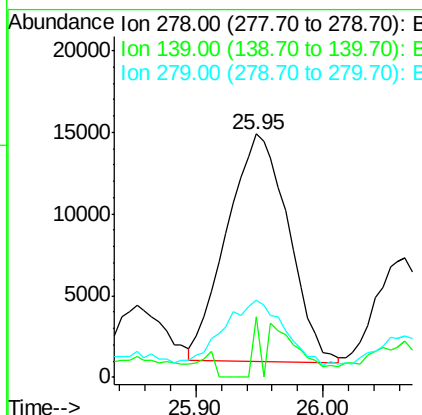
C0AC9



Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.8	17.8	26.6
279	31.7	19.3	28.9#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 7.62 ng/ul

RT: 26.67 min Scan# 4082

Delta R.T. 0.01 min

Lab File: BG016184.D

Acq: 27 Mar 2015 20:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.5	22.0	33.0
277	25.1	19.0	28.4

