

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
 Data File : BG020357.D
 Acq On : 21 Dec 2015 00:35
 Operator : UM/SJ
 Sample : G4848-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N49

Manual Integrations
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Quant Time: Dec 22 09:33:07 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 01:58:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	21633	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	92229	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	64329	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.49	188	137468	20.00	ng/ul	0.02
78) Chrysene-d12	21.75	240	177439	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	166505	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	1448	3.70	ng/uL	0.00
5) Phenol-d5	7.26	99	38556	20.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	25286	22.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	31330	22.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	34151	20.93	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	17612	24.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	20159	25.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.54	165	35677	22.02	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	37598	20.65	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	126090	24.23	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	140897	23.27	ng/ul	0.00
52) 4-Nitrophenol-d4	14.94	143	16173	17.33	ng/ul	0.00
58) Fluorene-d10	15.72	176	110517	23.42	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.86	200	12263	15.05	ng/ul	0.02
71) Anthracene-d10	17.59	188	164850	26.03	ng/ul	0.02
79) Pyrene-d10	19.86	212	201407	24.35	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.80	264	224103	26.98	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.99	128	3272652	679.49	ng/ul#	81
34) 2-Methylnaphthalene	12.57	142	1154353	313.77	ng/ul	99
41) 1,1'-Biphenyl	13.56	154	496867	102.38	ng/ul	97
45) Dimethylphthalate	14.18	163	53265	10.02	ng/ul	99
48) Acenaphthylene	14.45	152	155662	24.20	ng/ul#	95
50) Acenaphthene	14.81	153	1900317	439.14	ng/ul#	92
54) Dibenzofuran	15.14	168	1910254	296.74	ng/ul#	87
59) Fluorene	15.79	166	1839484	355.84	ng/ul#	98
70) Phenanthrene	17.56	178	5267058m	700.47	ng/ul	
72) Anthracene	17.62	178	659594	86.49	ng/ul	95
75) Carbazole	17.88	167	479374	74.81	ng/ul	99
77) Fluoranthene	19.55	202	3771015m	429.12	ng/ul	
80) Pyrene	19.91	202	2918164	271.73	ng/ul#	84
83) Benzo(a)anthracene	21.73	228	983000	94.94	ng/ul	95
85) Chrysene	21.80	228	784342m	80.44	ng/ul	
88) Benzo(b)fluoranthene	23.98	252	498550	49.75	ng/ul	95
89) Benzo(k)fluoranthene	24.04	252	157944m	16.42	ng/ul	
91) Benzo(a)pyrene	24.87	252	267760	28.19	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.76	276	76423m	6.76	ng/ul	
93) Dibenzo(a,h)anthracene	28.81	278	19489m	2.08	ng/ul	
94) Benzo(a,h,i)perylene	29.92	276	54378m	5.86	ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

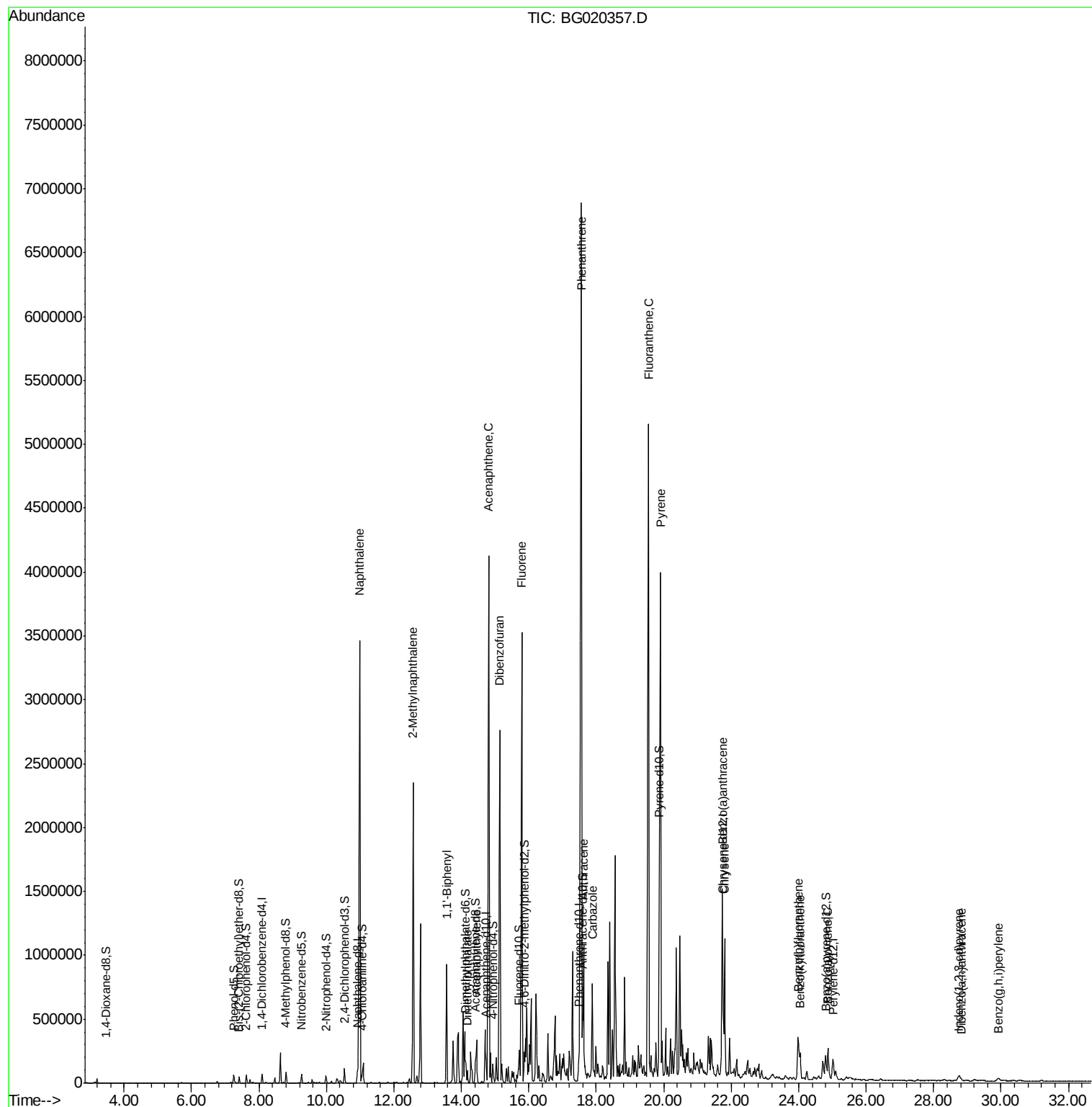
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
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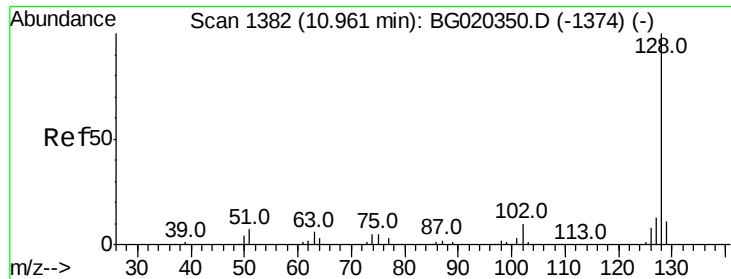
Instrument :
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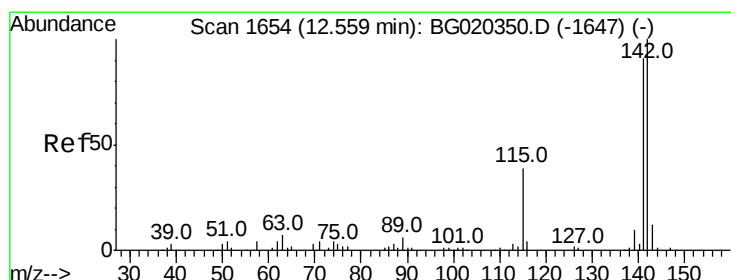
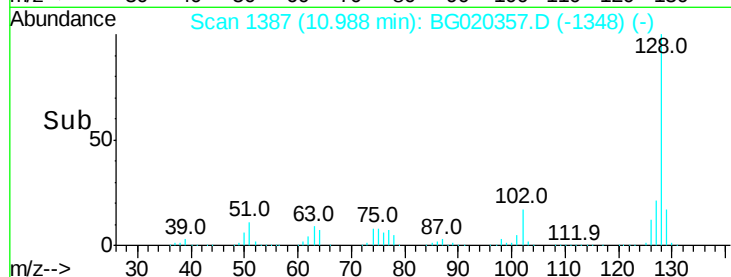
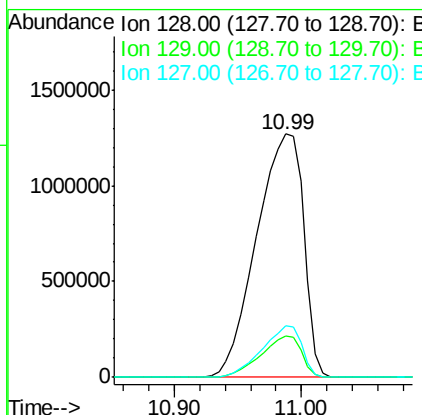
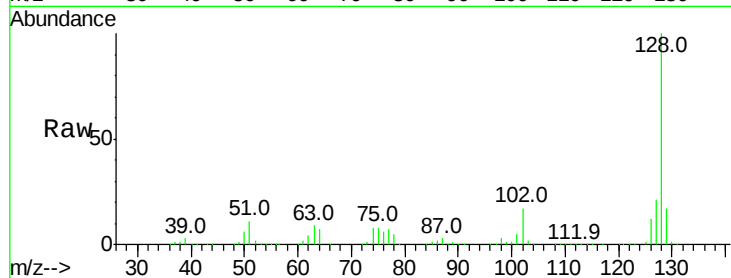
#28
Naphthalene
Concen: 679.49 ng/ul
RT: 10.99 min Scan# 1387
Delta R.T. 0.03 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Instrument :
BNA_G
ClientSampleId :
D9N49

Tot Ion:128 Resp: 3272652
Ion Ratio Lower Upper
128 100
129 17.0 8.6 12.8#
127 21.1 10.1 15.1#

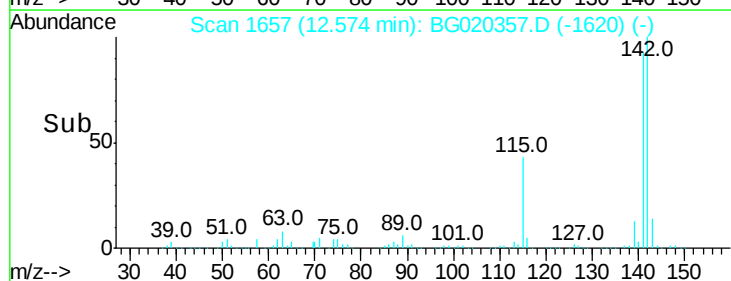
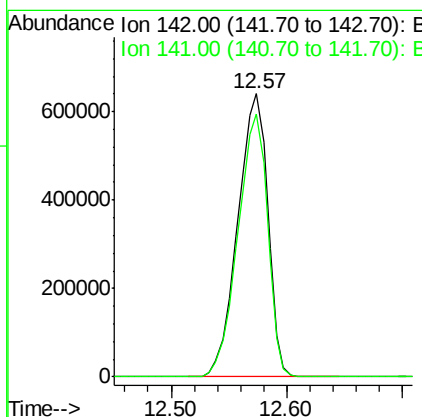
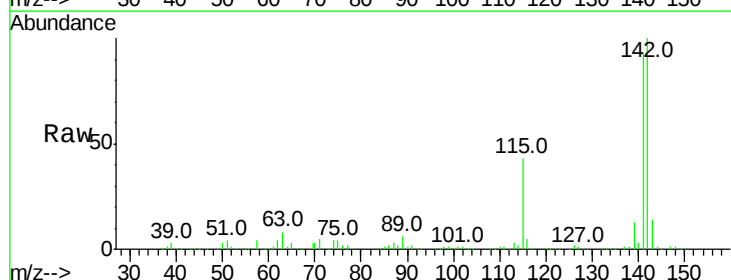
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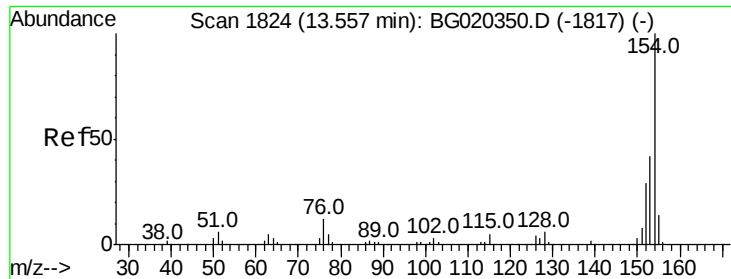
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#34
2-Methylnaphthalene
Concen: 313.77 ng/ul
RT: 12.57 min Scan# 1657
Delta R.T. 0.02 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Tgt Ion:142 Resp: 1154353
Ion Ratio Lower Upper
142 100
141 92.7 74.9 112.3





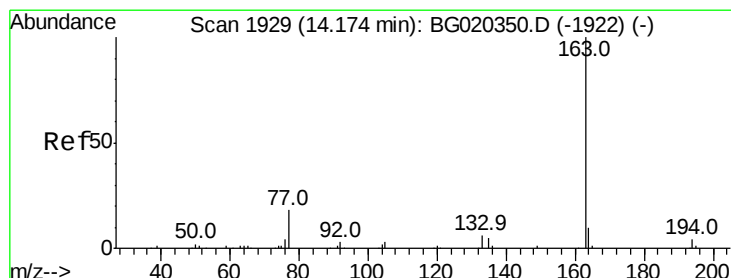
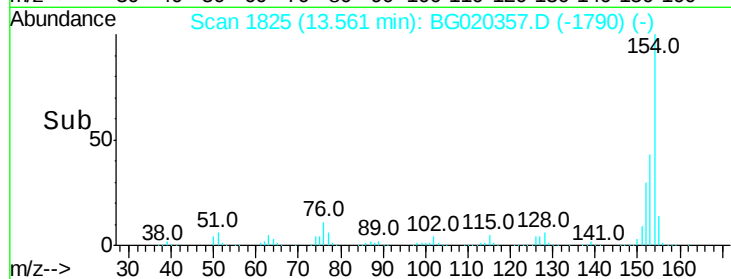
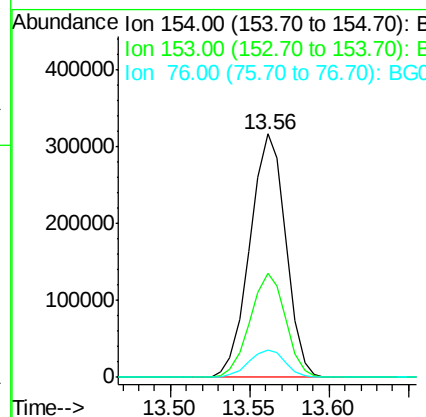
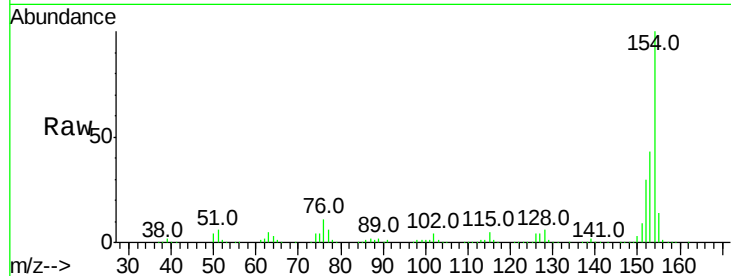
#41
 1,1'-Biphenyl
 Concen: 102.38 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BG020357.D
 Acq: 21 Dec 2015 00:35

Instrument :
 BNA_G
 ClientSampleId :
 D9N49

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	42.5	35.5	53.3	
76	11.4	10.4	15.6	

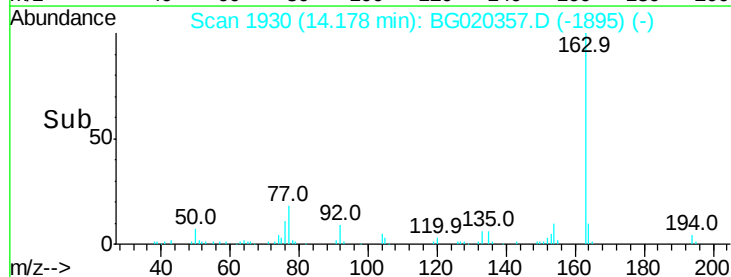
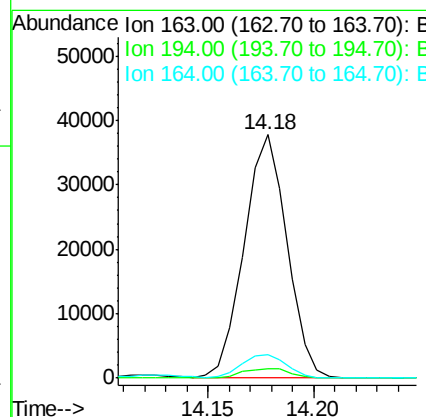
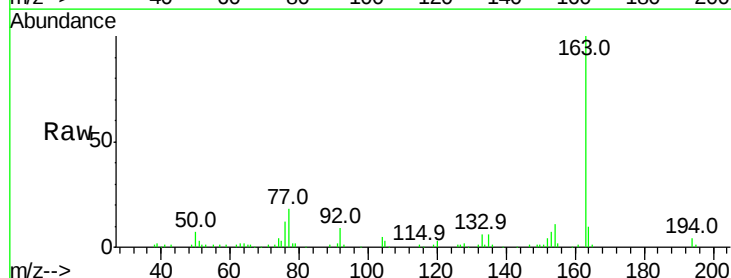
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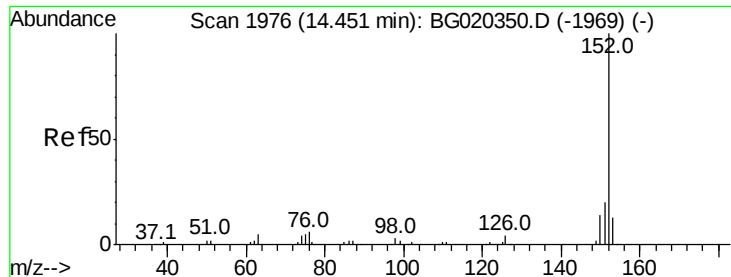
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#45
 Dimethylphthalate
 Concen: 10.02 ng/ul
 RT: 14.18 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: BG020357.D
 Acq: 21 Dec 2015 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	3.5	5.3	
164	9.8	7.7	11.5	





#48

Acenaphthylene

Concen: 24.20 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG020357.D

Acq: 21 Dec 2015 00:35

Instrument :

BNA_G

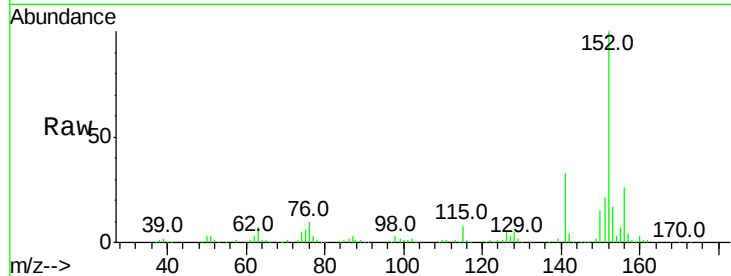
ClientSampleId :

D9N49

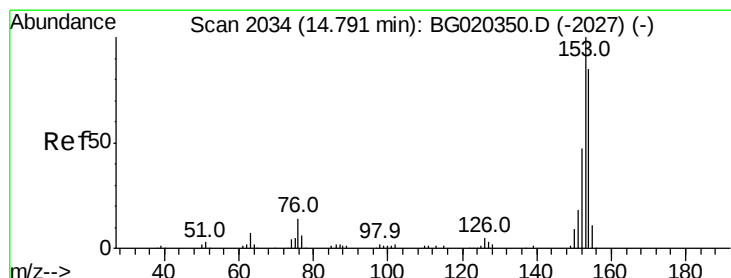
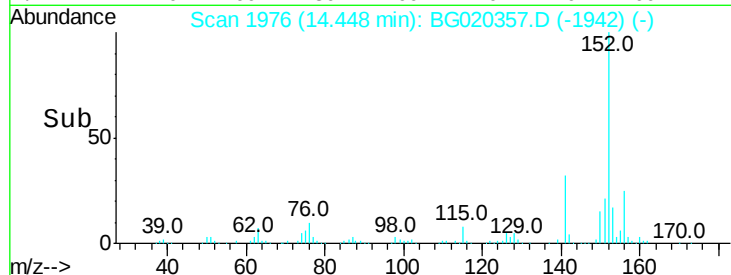
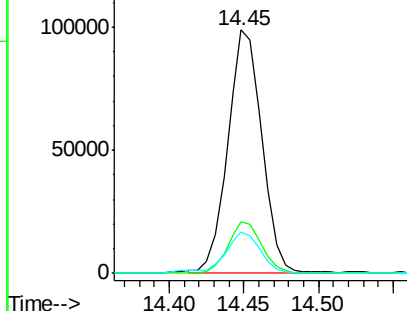
Tot Ion	Ratio	Resp	Lower	Upper
152	100	155662		
151	21.0		16.4	24.6
153	17.2		10.4	15.6#

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 439.14 ng/ul

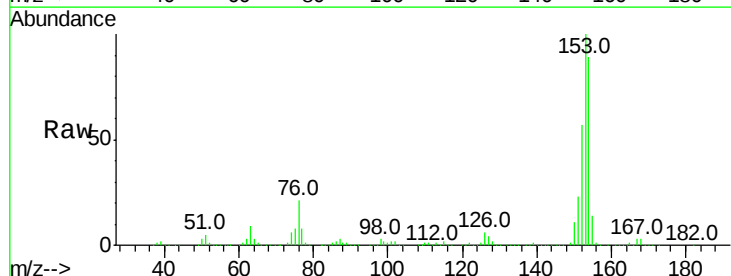
RT: 14.81 min Scan# 2038

Delta R.T. 0.02 min

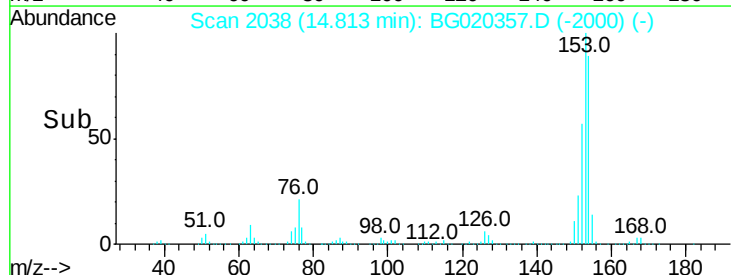
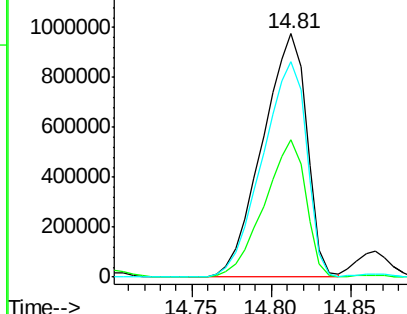
Lab File: BG020357.D

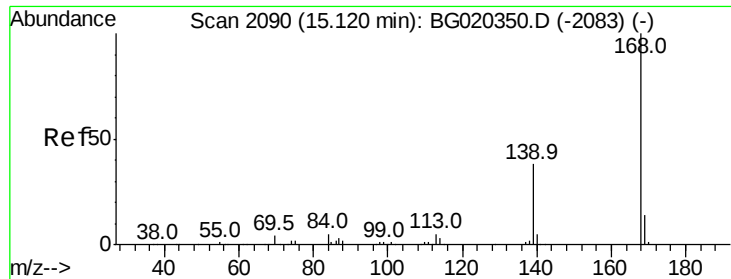
Acq: 21 Dec 2015 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	1900317		
152	56.6		37.6	56.4#
154	88.7		67.9	101.9



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





#54

Dibenzenofuran

Concen: 296.74 ng/ul

RT: 15.14 min Scan# 2094

Delta R.T. 0.02 min

Lab File: BG020357.D

Acq: 21 Dec 2015 00:35

Instrument :

BNA_G

ClientSampleId :

D9N49

Tot Ion:168 Resp: 1910254

Ion Ratio Lower Upper

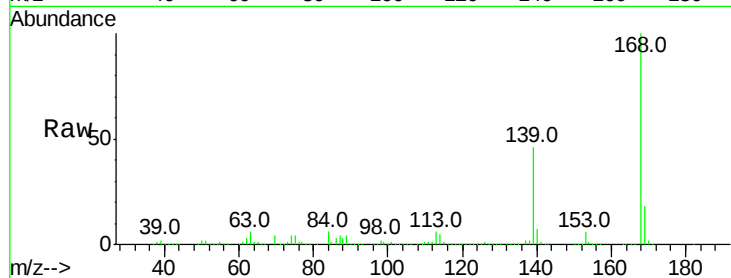
168 100

139 45.8 30.5 45.7#

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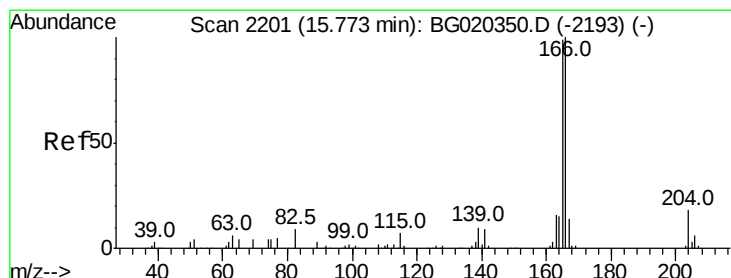
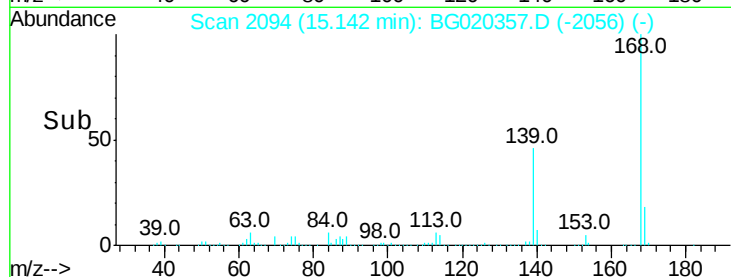
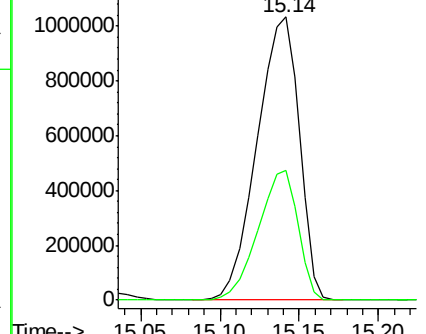
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 355.84 ng/ul

RT: 15.79 min Scan# 2205

Delta R.T. 0.02 min

Lab File: BG020357.D

Acq: 21 Dec 2015 00:35

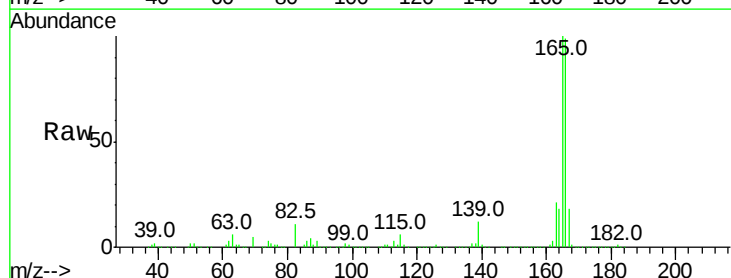
Tgt Ion:166 Resp: 1839484

Ion Ratio Lower Upper

166 100

165 100.8 81.4 122.0

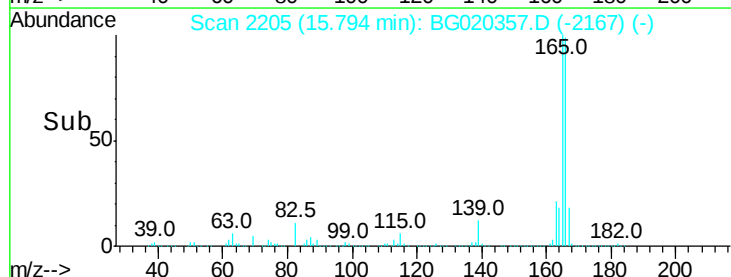
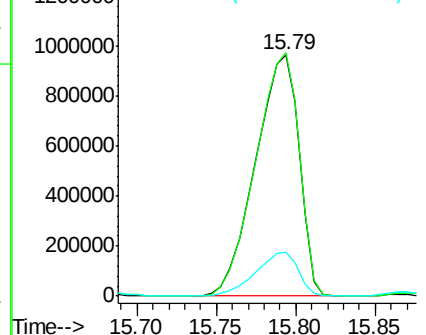
167 18.4 11.2 16.8#

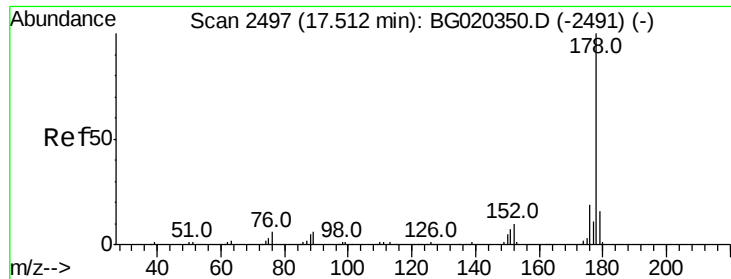


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





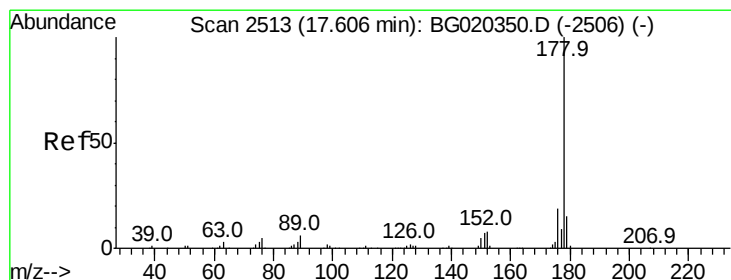
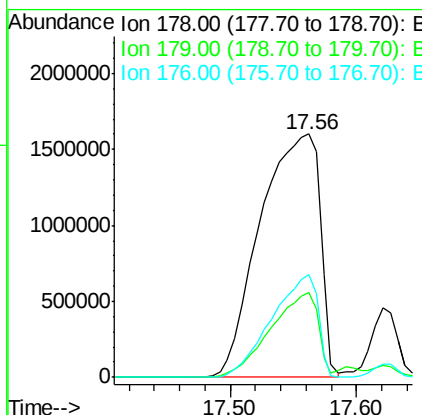
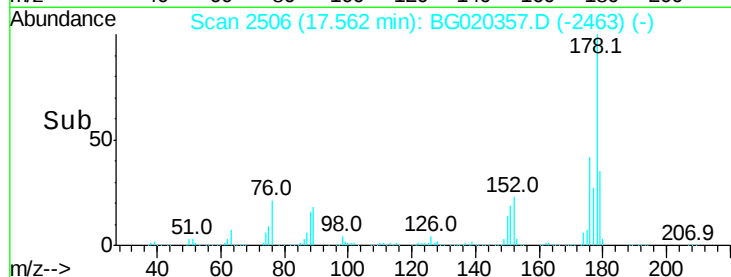
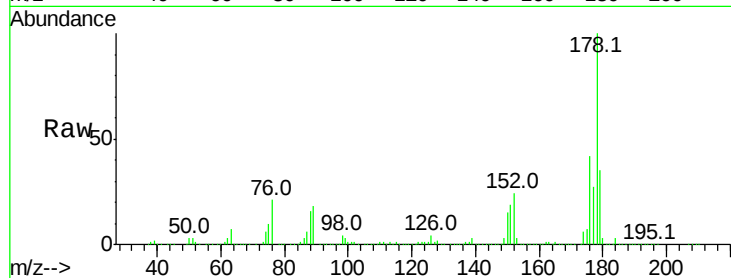
#70
Phenanthrene
Concen: 700.47 ng/ul m
RT: 17.56 min Scan# 2506
Delta R.T. 0.05 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

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Tot Ion:178 Resp: 5267058
Ion Ratio Lower Upper
178 100
179 34.9 12.9 19.3#
176 42.1 15.3 22.9#

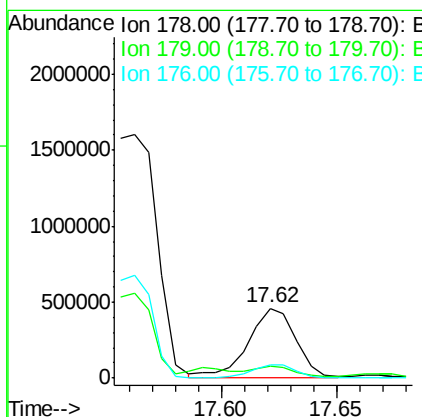
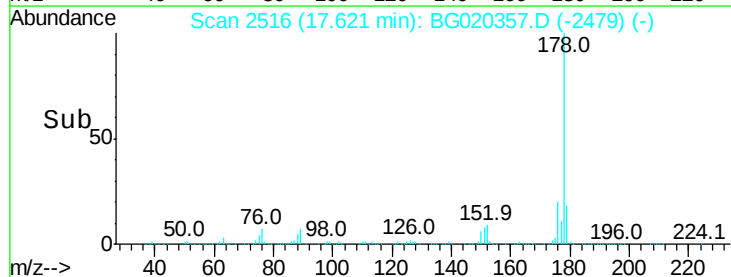
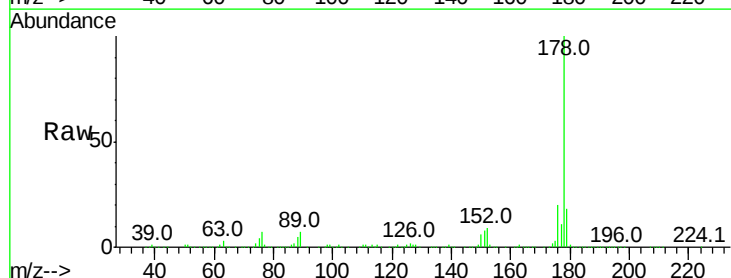
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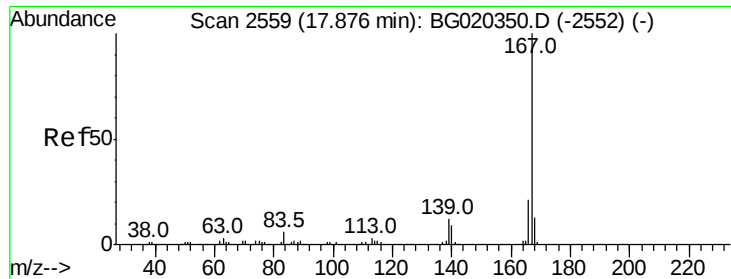
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#72
Anthracene
Concen: 86.49 ng/ul
RT: 17.62 min Scan# 2516
Delta R.T. 0.02 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Tgt Ion:178 Resp: 659594
Ion Ratio Lower Upper
178 100
179 17.8 12.3 18.5
176 19.9 14.3 21.5





#75

Carbazole

Concen: 74.81 ng/ul

RT: 17.88 min Scan# 2560

Delta R.T. 0.00 min

Lab File: BG020357.D

Acq: 21 Dec 2015 00:35

Instrument :

BNA_G

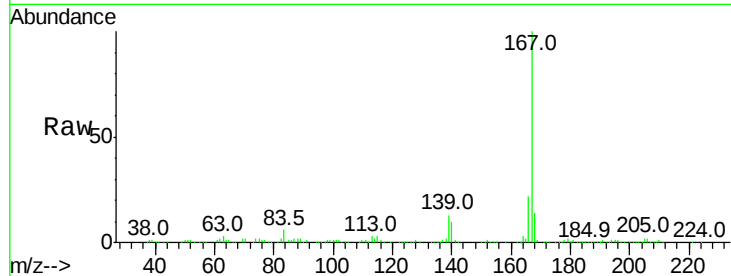
ClientSampleId :

D9N49

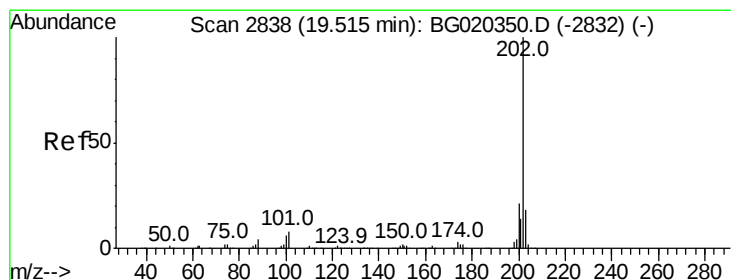
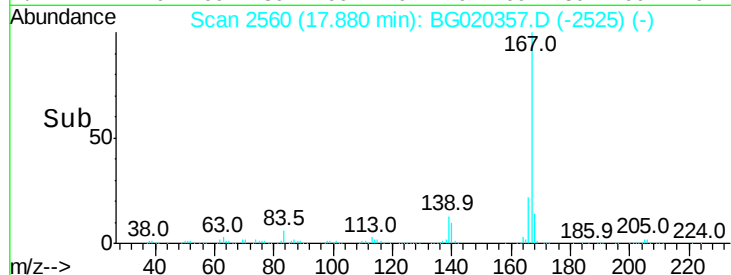
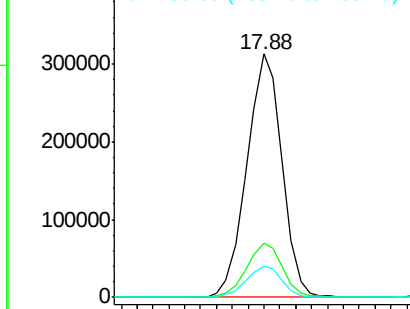
Tot Ion:	167	Resp:	479374
Ion Ratio	Lower	Upper	
167	100		
166	22.3	17.0	25.6
139	12.8	10.1	15.1

Manual Integrations
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 429.12 ng/ul m

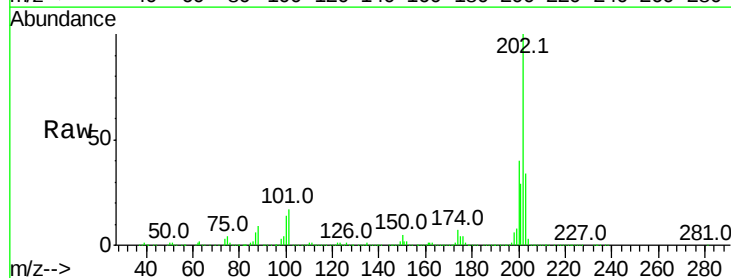
RT: 19.55 min Scan# 2844

Delta R.T. 0.03 min

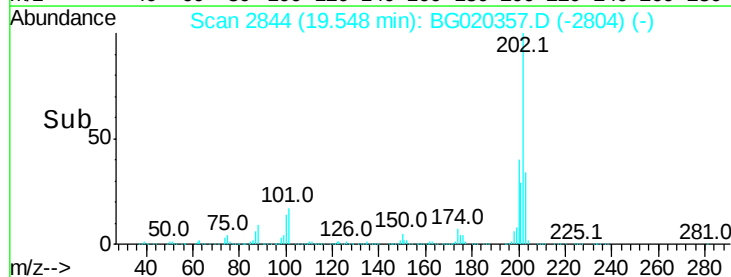
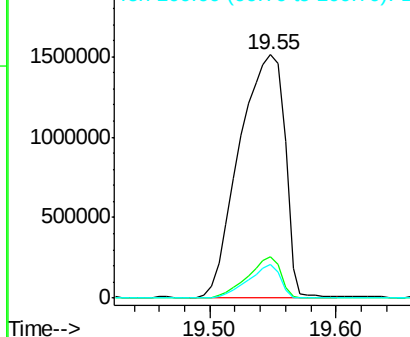
Lab File: BG020357.D

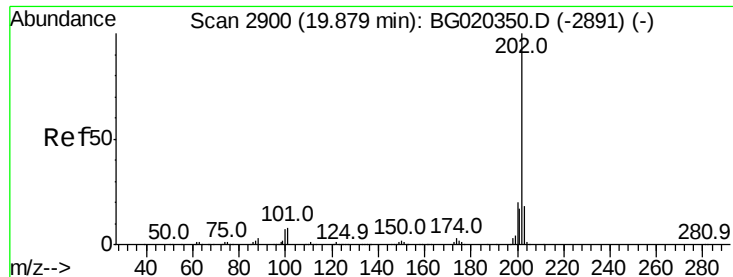
Acq: 21 Dec 2015 00:35

Tgt Ion:	202	Resp:	3771015
Ion Ratio	Lower	Upper	
202	100		
101	17.1	6.2	9.4#
100	13.7	5.1	7.7#



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





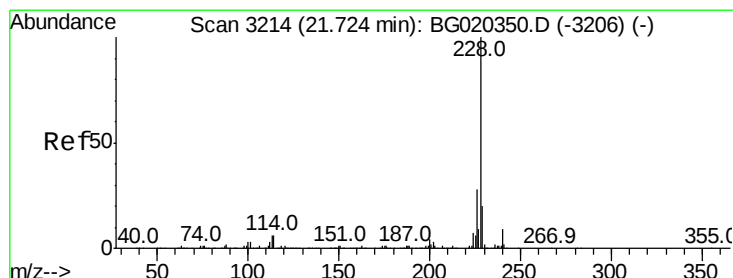
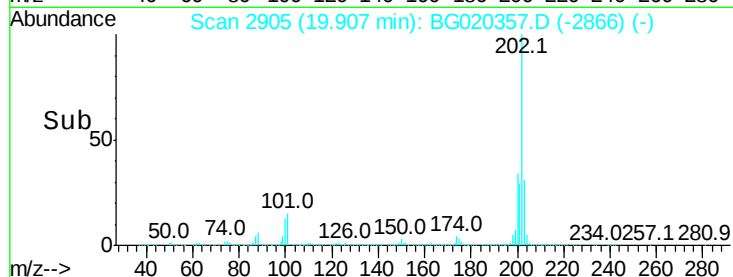
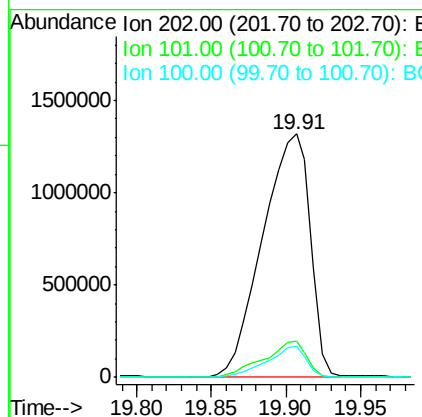
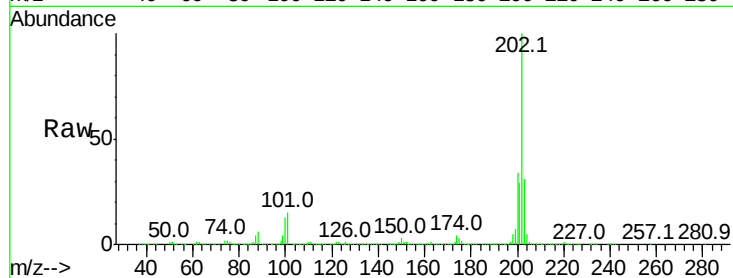
#80
Pvrene
Concen: 271.73 ng/ul
RT: 19.91 min Scan# 2905
Delta R.T. 0.03 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Instrument :
BNA_G
ClientSampleId :
D9N49

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.8	7.0	10.4#
100	13.0	6.4	9.6#

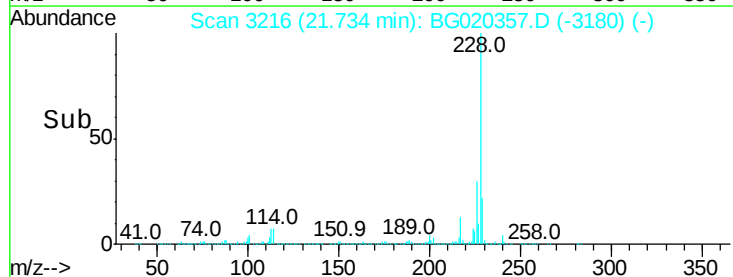
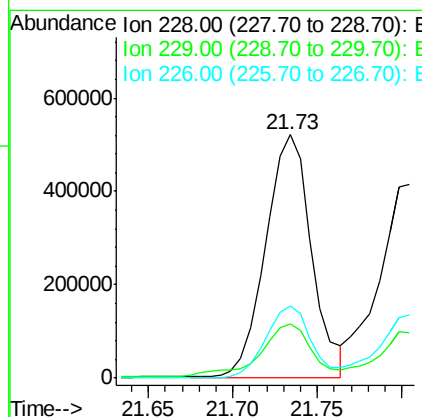
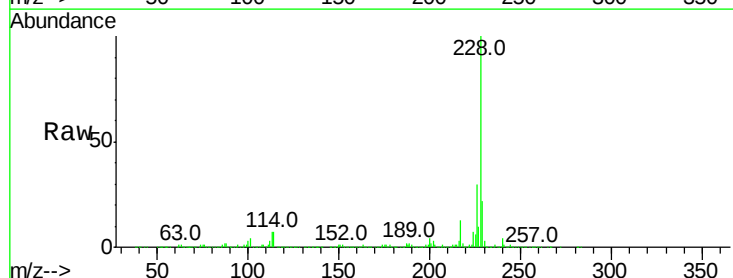
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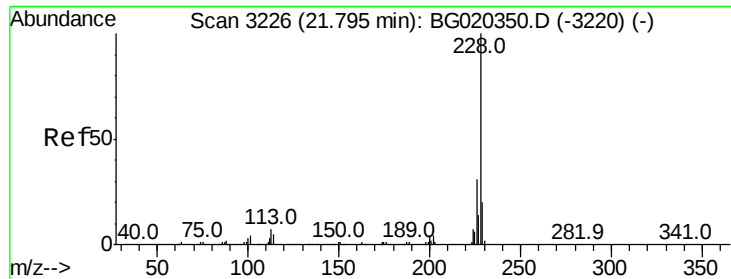
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#83
Benzo(a)anthracene
Concen: 94.94 ng/ul
RT: 21.73 min Scan# 3216
Delta R.T. 0.01 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.3	15.8	23.8
226	29.6	21.8	32.6





#85

Chrysene

Concen: 80.44 ng/ul m

RT: 21.80 min Scan# 3228

Delta R.T. 0.01 min

Lab File: BG020357.D

Acq: 21 Dec 2015 00:35

Instrument :

BNA_G

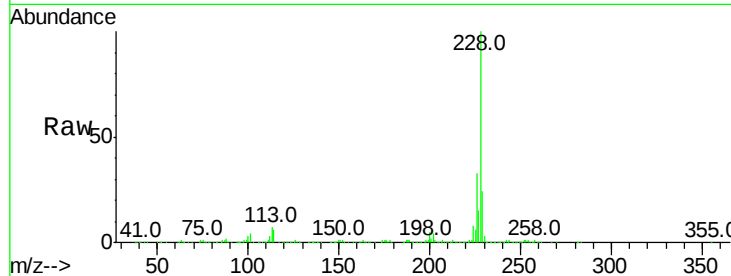
ClientSampleId :

D9N49

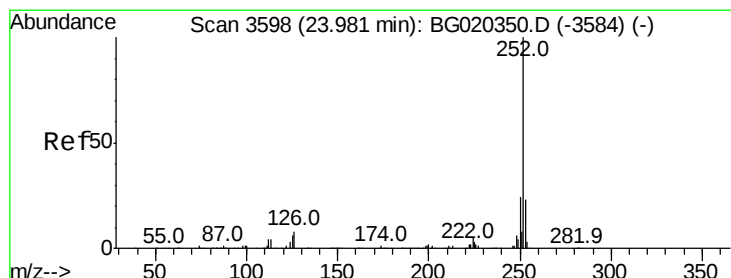
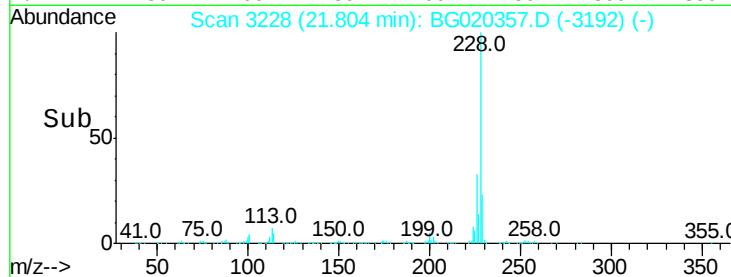
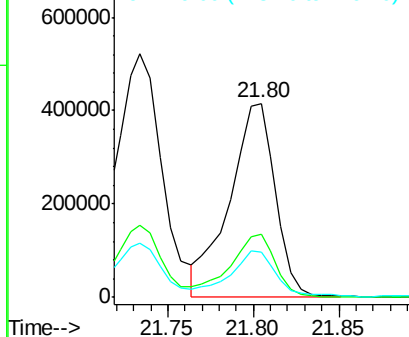
Tot Ion:	228	Resp:	784342
Ion Ratio	Lower	Upper	
228	100		
226	32.6	23.9	35.9
229	23.6	15.6	23.4#

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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



#88

Benzo(b)fluoranthene

Concen: 49.75 ng/ul

RT: 23.98 min Scan# 3599

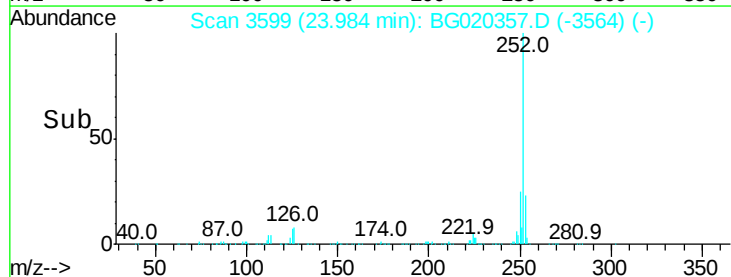
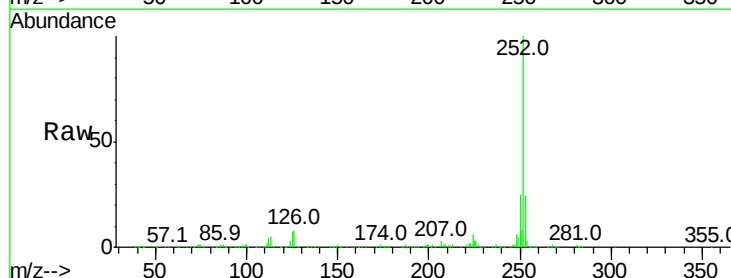
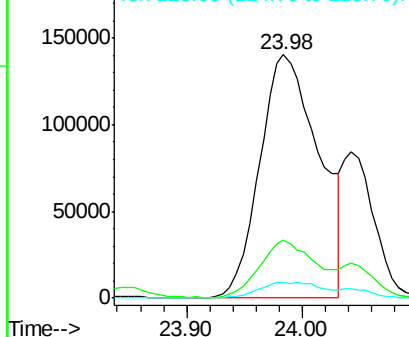
Delta R.T. 0.00 min

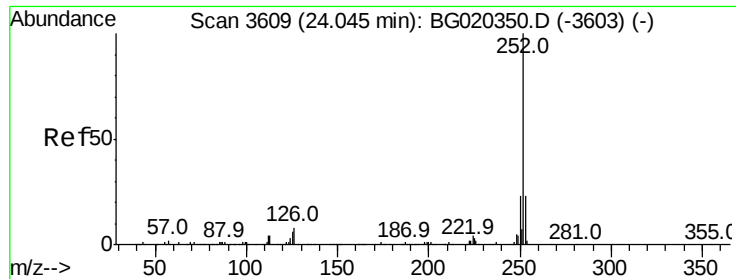
Lab File: BG020357.D

Acq: 21 Dec 2015 00:35

Tgt Ion:	252	Resp:	498550
Ion Ratio	Lower	Upper	
252	100		
253	23.6	16.7	25.1
125	6.5	6.2	9.2

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





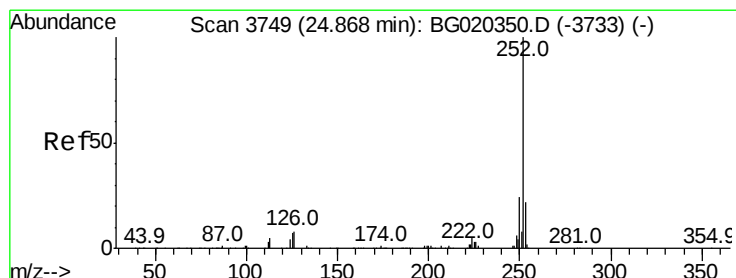
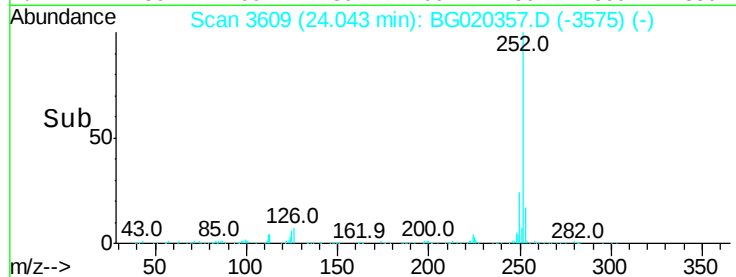
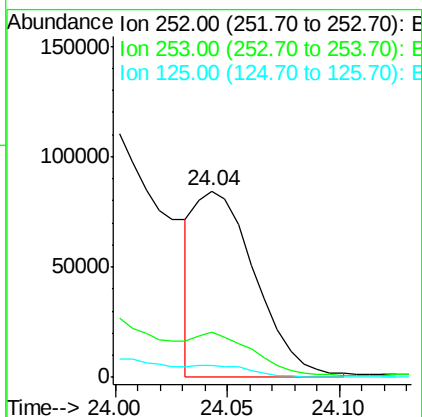
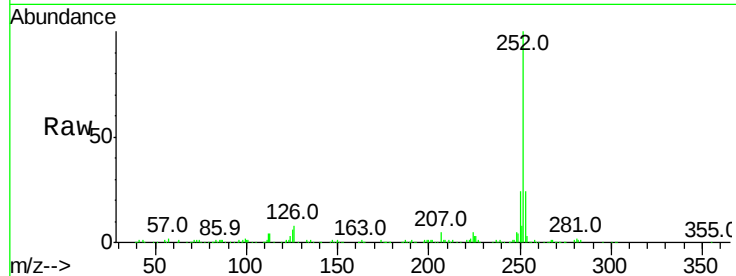
#89
Benzo(k)fluoranthene
Concen: 16.42 ng/ul m
RT: 24.04 min Scan# 3609
Delta R.T. -0.00 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Instrument :
BNA_G
ClientSampleId :
D9N49

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	6.2	5.8	8.6

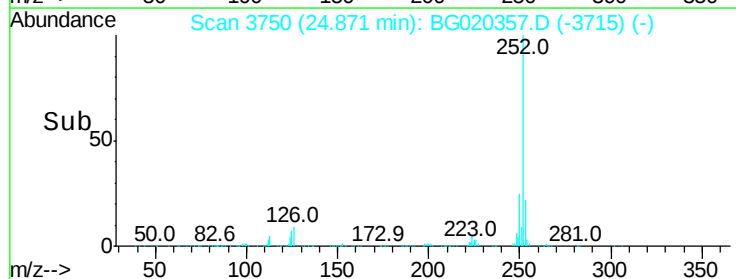
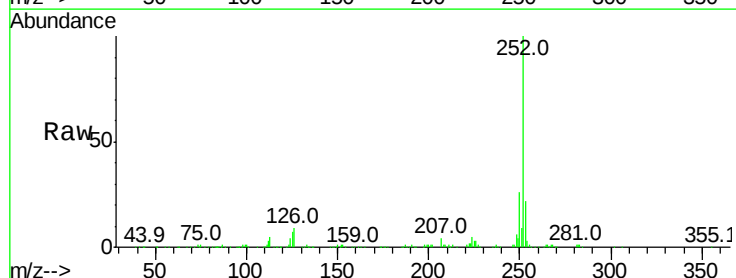
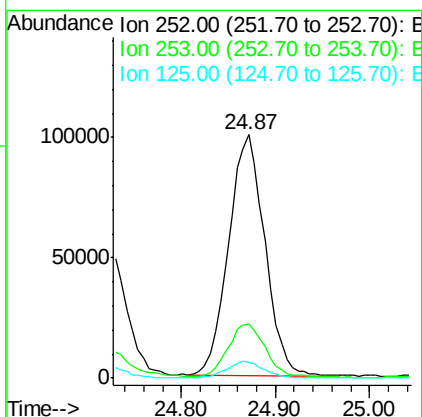
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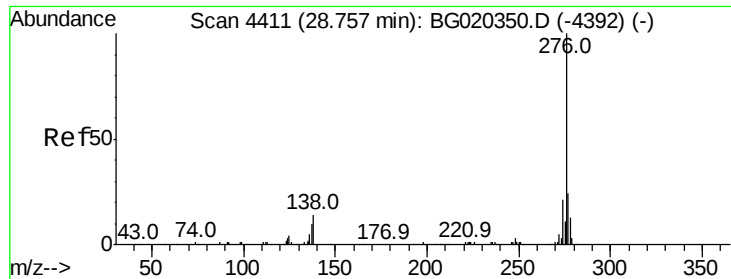
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#91
Benzo(a)pyrene
Concen: 28.19 ng/ul
RT: 24.87 min Scan# 3750
Delta R.T. 0.00 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.4
125	6.7	6.2	9.4





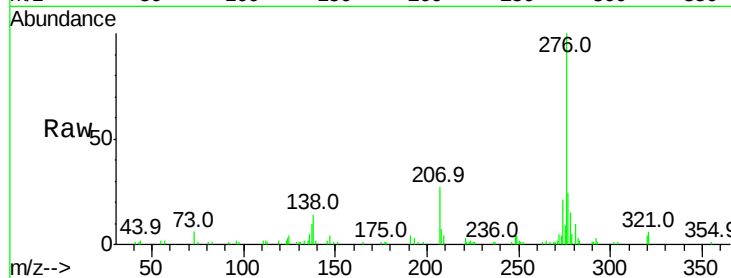
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 6.76 ng/ul m
 RT: 28.76 min Scan# 4411
 Delta R.T. -0.00 min
 Lab File: BG020357.D
 Acq: 21 Dec 2015 00:35

Instrument :
 BNA_G
 ClientSampleId :
 D9N49

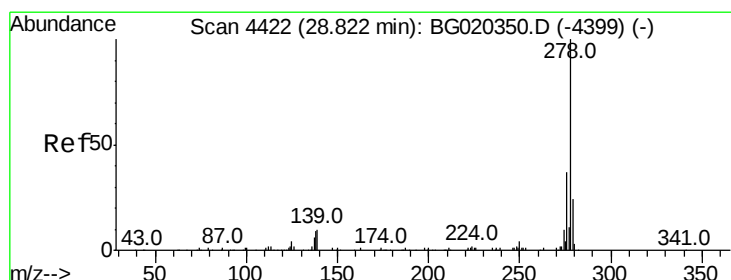
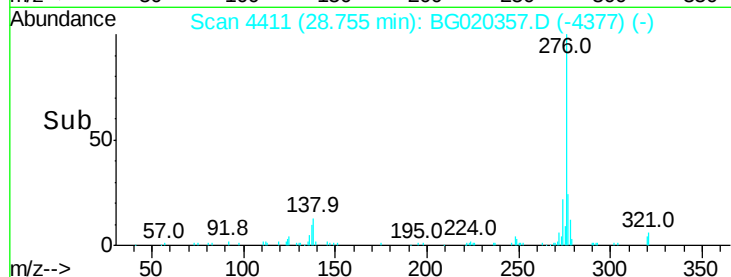
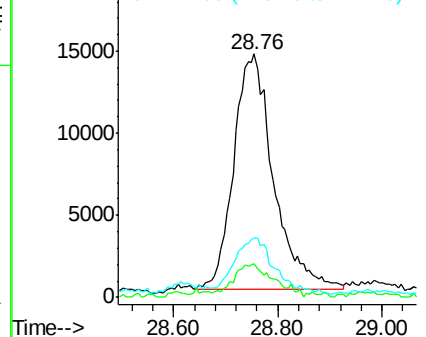
Tot Ion	Ratio	Lower	Upper
276	100		
138	14.0	11.4	17.0
277	24.3	17.4	26.0

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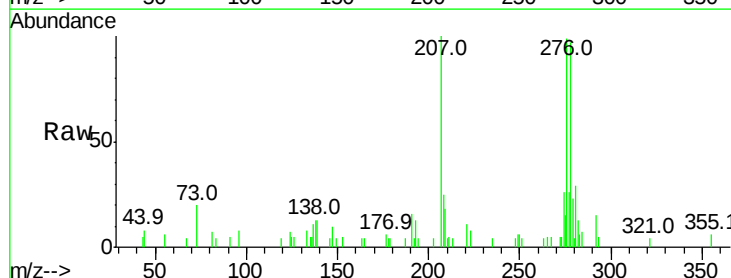


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

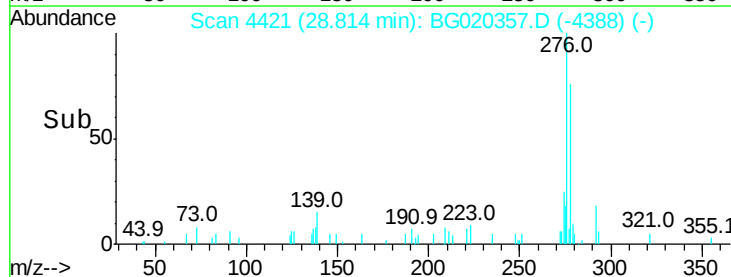
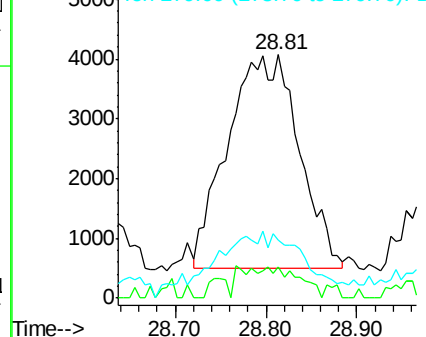


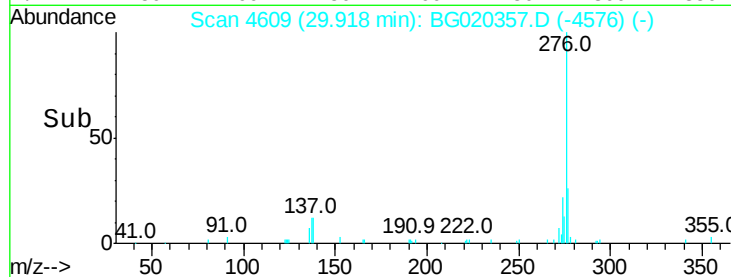
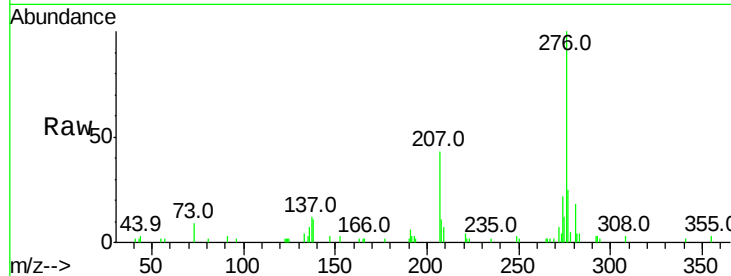
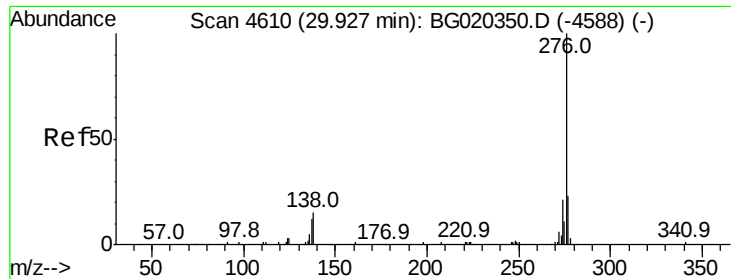
#93
 Dibenzo(a,h)anthracene
 Concen: 2.08 ng/ul m
 RT: 28.81 min Scan# 4421
 Delta R.T. -0.01 min
 Lab File: BG020357.D
 Acq: 21 Dec 2015 00:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.0	9.4	14.2
279	23.6	19.4	29.0



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





#94

Benzo(a,h,i)perylene

Concen: 5.86 ng/ul m

RT: 29.92 min Scan# 4609

Delta R.T. -0.01 min

Lab File: BG020357.D

Acq: 21 Dec 2015 00:35

Instrument :

BNA_G

ClientSampleId :

D9N49

Tot Ion:	276	Resp:	54378
Ion Ratio	Lower	Upper	
276	100		
138	11.5	10.8	16.2
277	25.1	19.9	29.9

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