

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
 Data File : BG020356.D
 Acq On : 20 Dec 2015 23:56
 Operator : UM/SJ
 Sample : G4848-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N48

Manual Integrations
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Quant Time: Dec 22 09:31:00 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	23087	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	99188	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	70831	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	155640	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	201777	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	192548	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	1317	3.15	ng/uL	0.00
5) Phenol-d5	7.26	99	39317	19.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	24736	20.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	31756	21.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.81	113	34303	19.70	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	18410	23.81	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	21653	25.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	37110	21.29	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	40526	20.70	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	124567	21.74	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	143635	21.55	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	16192	15.76	ng/ul	0.00
58) Fluorene-d10	15.72	176	111373	21.43	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.86	200	12500	13.55	ng/ul	0.02
71) Anthracene-d10	17.59	188	162010	22.59	ng/ul	0.02
79) Pyrene-d10	19.86	212	195173	20.75	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	217930	22.69	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.99	128	2995536	578.31	ng/ul#	82
34) 2-Methylnaphthalene	12.57	142	1103840	278.99	ng/ul	99
41) 1,1'-Biphenyl	13.56	154	476262	89.13	ng/ul	97
45) Dimethylphthalate	14.18	163	53446	9.13	ng/ul	99
48) Acenaphthylene	14.45	152	145545	20.55	ng/ul#	96
50) Acenaphthene	14.81	153	1792691	376.24	ng/ul	92
54) Dibenzofuran	15.14	168	1800037	253.95	ng/ul#	87
59) Fluorene	15.79	166	1734194	304.68	ng/ul#	98
70) Phenanthrene	17.56	178	4988593m	585.98	ng/ul	
72) Anthracene	17.62	178	585519	67.81	ng/ul	97
75) Carbazole	17.88	167	397873	54.84	ng/ul	97
77) Fluoranthene	19.55	202	3562402	358.05	ng/ul#	77
80) Pyrene	19.91	202	2742676	224.58	ng/ul#	86
83) Benzo(a)anthracene	21.73	228	916666	77.86	ng/ul	95
85) Chrysene	21.80	228	726269	65.50	ng/ul	95
88) Benzo(b)fluoranthene	23.98	252	439361	37.91	ng/ul	96
89) Benzo(k)fluoranthene	24.04	252	168014m	15.11	ng/ul	
91) Benzo(a)pyrene	24.87	252	239973	21.84	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.75	276	66292	5.07	ng/ul	97
93) Dibenzo(a,h)anthracene	28.79	278	19548m	1.80	ng/ul	
94) Benzo(a,h,i)perylene	29.92	276	43185	4.03	ng/ul	98

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

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

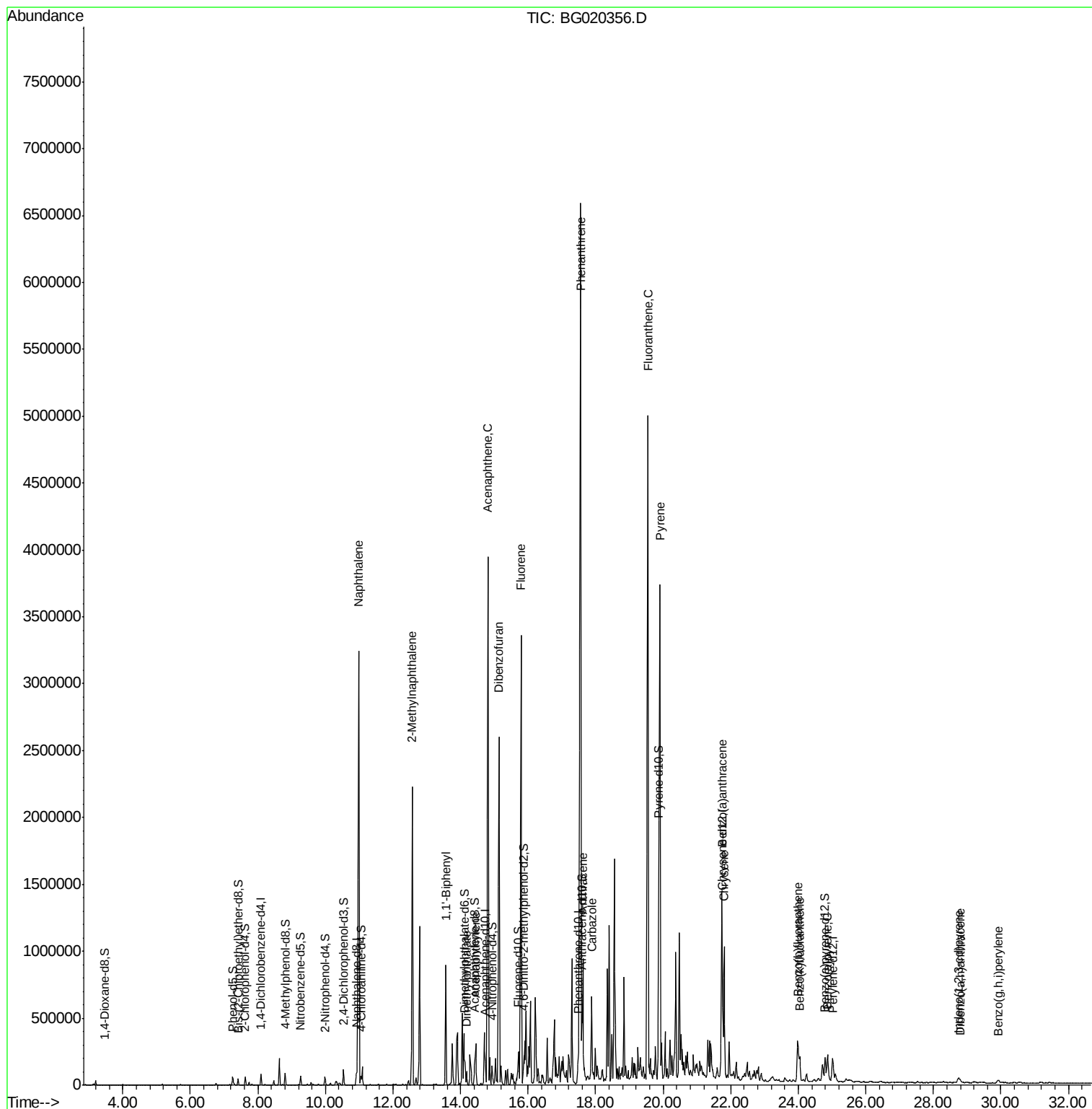
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
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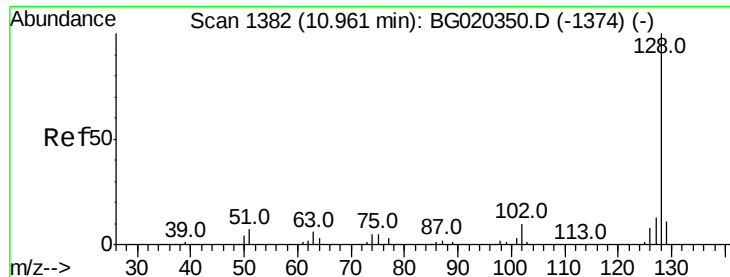
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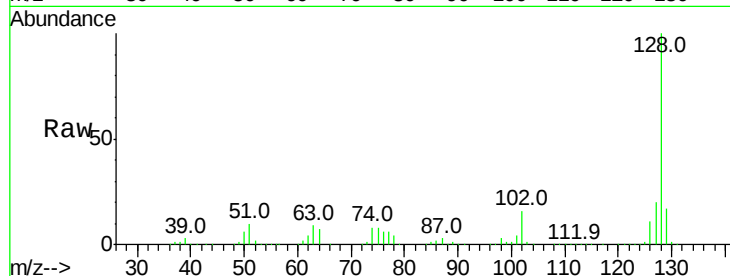
#28
Naphthalene
Concen: 578.31 ng/ul
RT: 10.99 min Scan# 1387
Delta R.T. 0.03 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument :
BNA_G
ClientSampleId :
D9N48

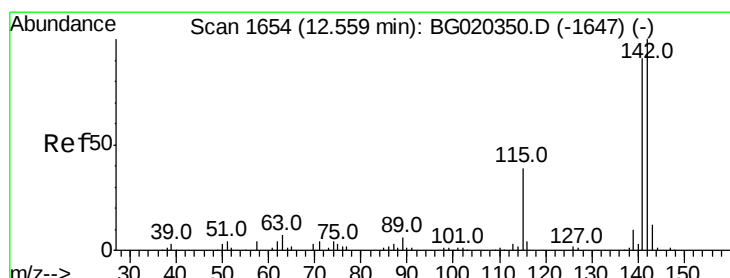
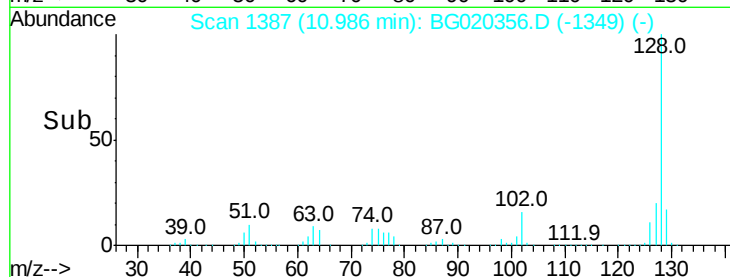
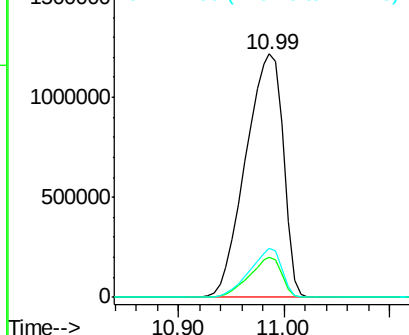
Tot Ion	Ratio	Lower	Upper
128	100		
129	16.6	8.6	12.8#
127	20.1	10.1	15.1#

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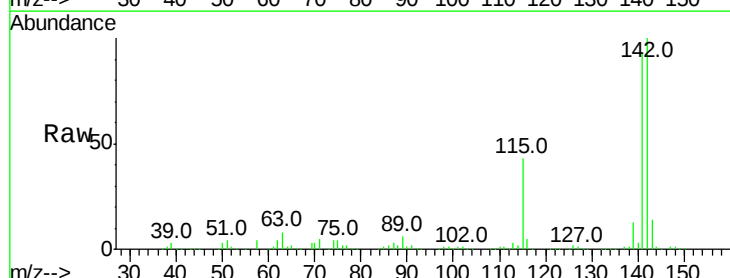


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

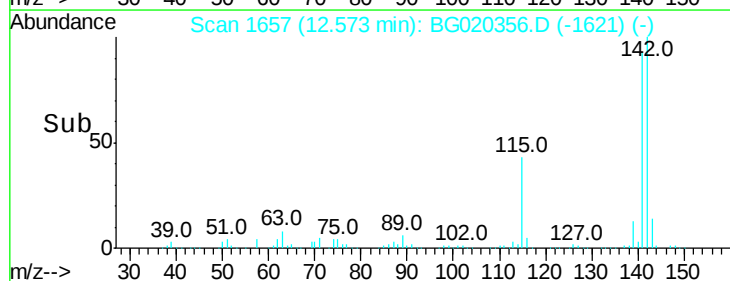
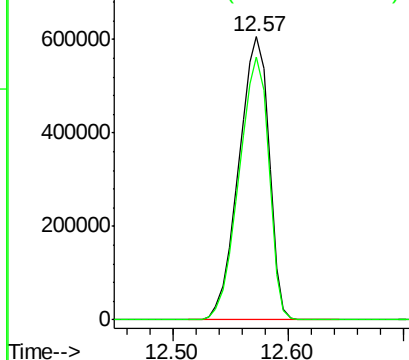


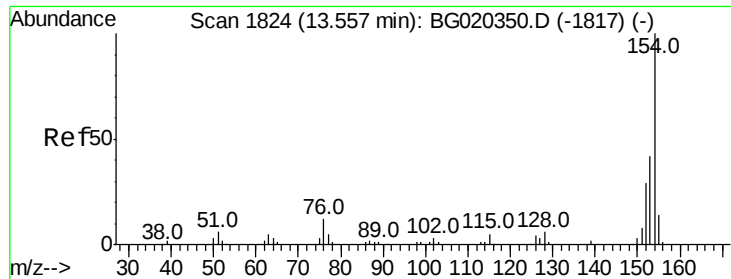
#34
2-Methylnaphthalene
Concen: 278.99 ng/ul
RT: 12.57 min Scan# 1657
Delta R.T. 0.01 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	74.9	112.3



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





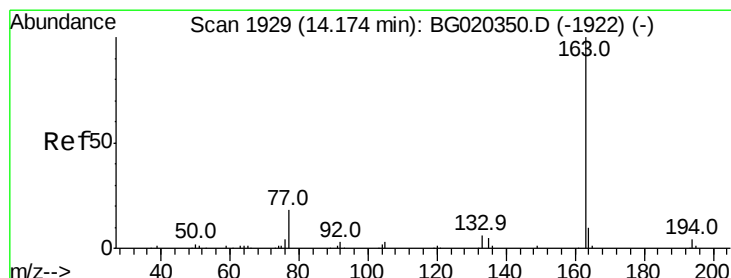
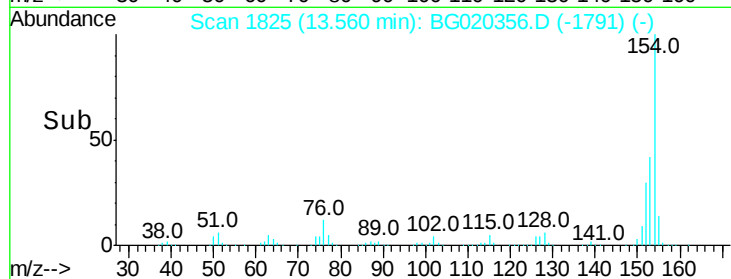
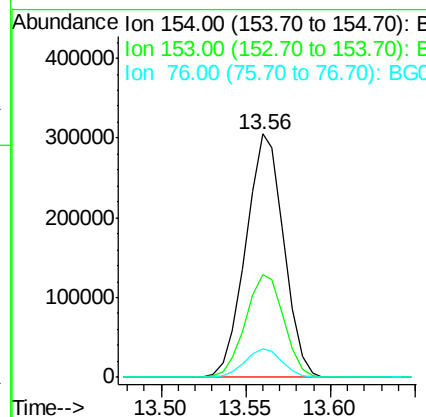
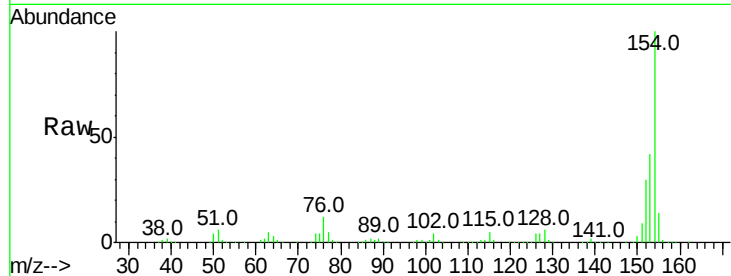
#41
1,1'-Biphenyl
Concen: 89.13 ng/ul
RT: 13.56 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument :
BNA_G
ClientSampleId :
D9N48

Tot Ion	Ratio	Lower	Upper
154	100		
153	42.2	35.5	53.3
76	11.8	10.4	15.6

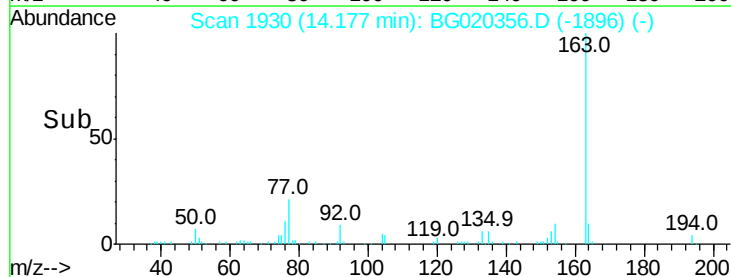
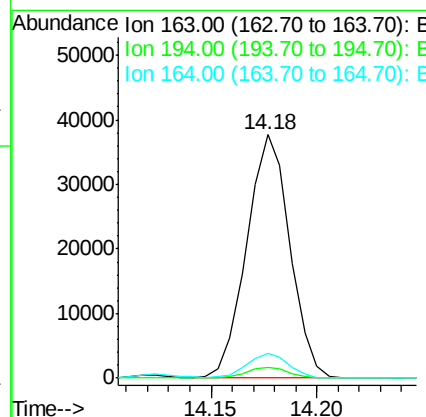
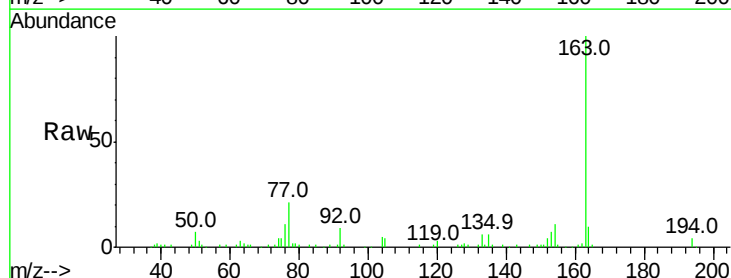
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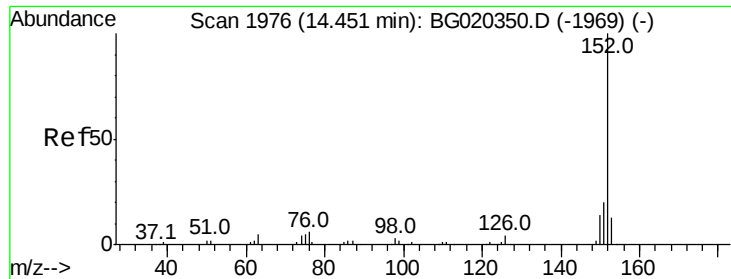
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#45
Dimethylphthalate
Concen: 9.13 ng/ul
RT: 14.18 min Scan# 1930
Delta R.T. 0.00 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.2	7.7	11.5





#48

Acenaphthylene

Concen: 20.55 ng/ul

RT: 14.45 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BG020356.D

Acq: 20 Dec 2015 23:56

Instrument :

BNA_G

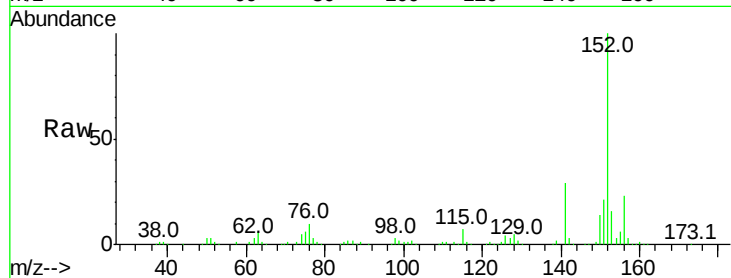
ClientSampleId :

D9N48

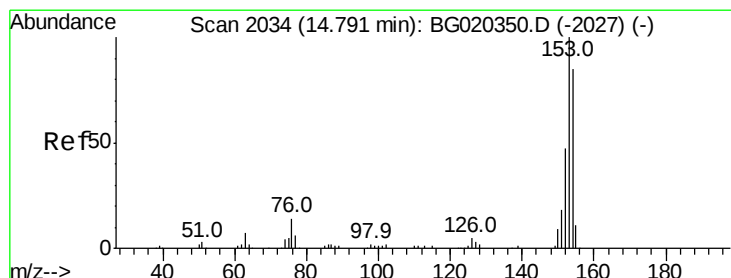
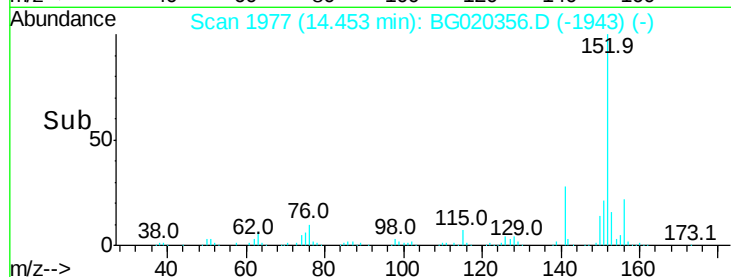
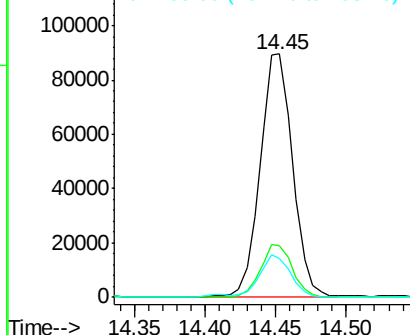
Tot Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.4	24.6
153	16.1	10.4	15.6

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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: 376.24 ng/ul

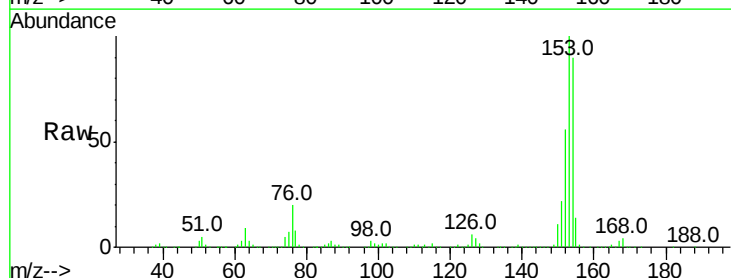
RT: 14.81 min Scan# 2038

Delta R.T. 0.02 min

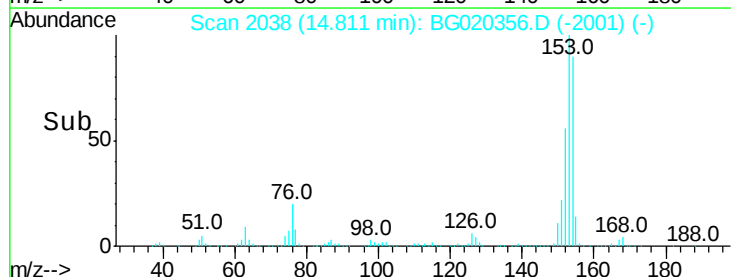
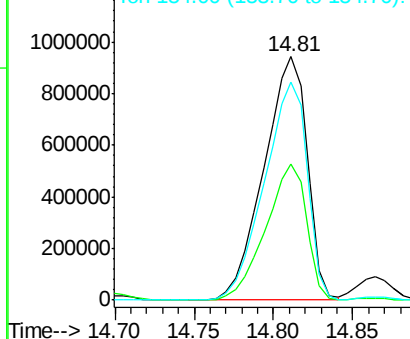
Lab File: BG020356.D

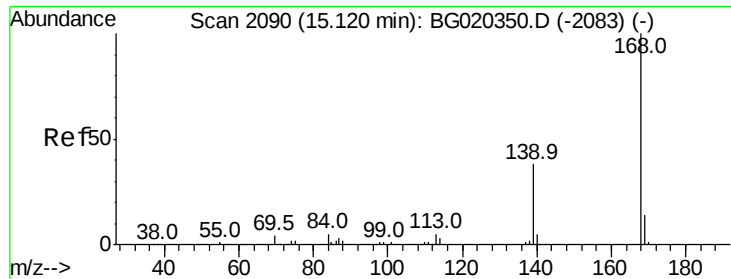
Acq: 20 Dec 2015 23:56

Tgt Ion	Ratio	Lower	Upper
153	100		
152	55.7	37.6	56.4
154	89.7	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: 253.95 ng/ul

RT: 15.14 min Scan# 2094

Delta R.T. 0.02 min

Lab File: BG020356.D

Acq: 20 Dec 2015 23:56

Instrument :

BNA_G

ClientSampleId :

D9N48

Tot Ion:168 Resp: 1800037

Ion Ratio Lower Upper

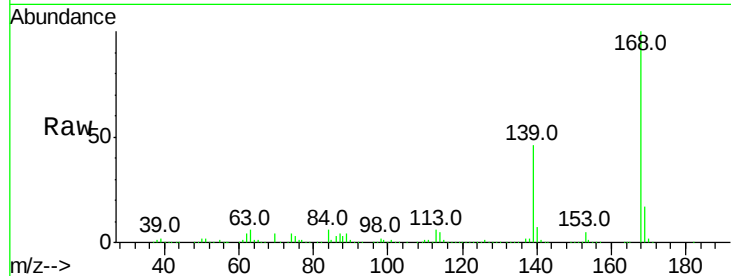
168 100

139 45.8 30.5 45.7#

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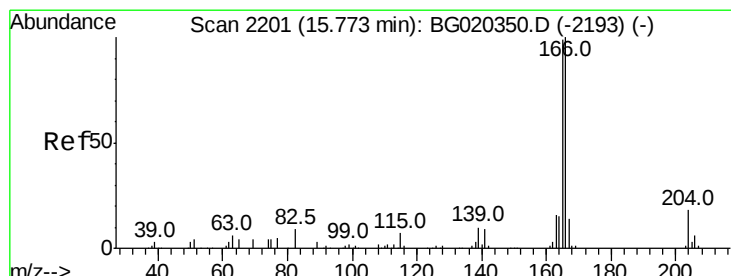
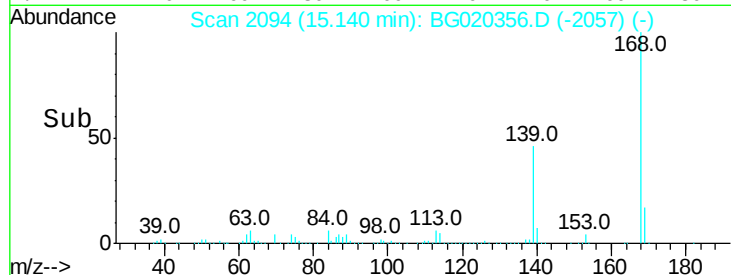
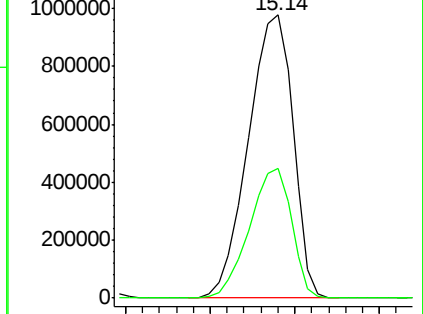
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 304.68 ng/ul

RT: 15.79 min Scan# 2205

Delta R.T. 0.02 min

Lab File: BG020356.D

Acq: 20 Dec 2015 23:56

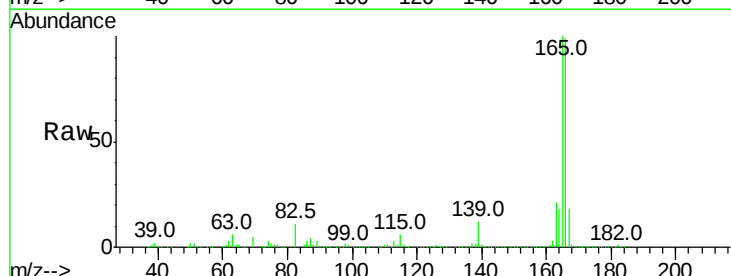
Tgt Ion:166 Resp: 1734194

Ion Ratio Lower Upper

166 100

165 101.3 81.4 122.0

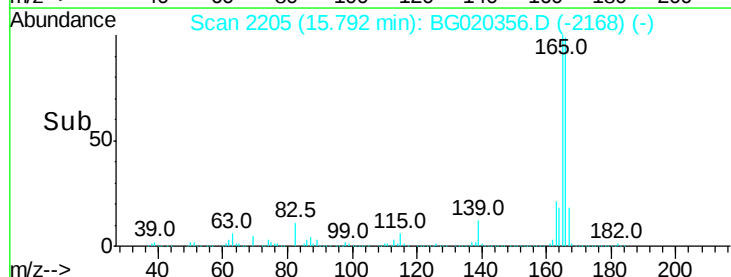
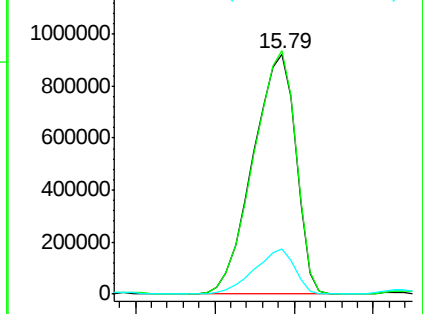
167 18.6 11.2 16.8#

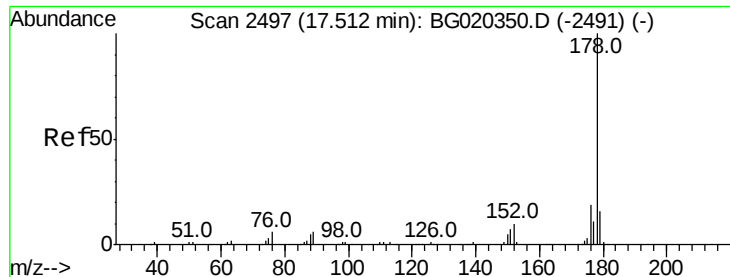


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 585.98 ng/ul m

RT: 17.56 min Scan# 2506

Delta R.T. 0.05 min

Lab File: BG020356.D

Acq: 20 Dec 2015 23:56

Instrument :

BNA_G

ClientSampleId :

D9N48

Tot Ion:178 Resp: 4988593

Ion Ratio Lower Upper

178 100

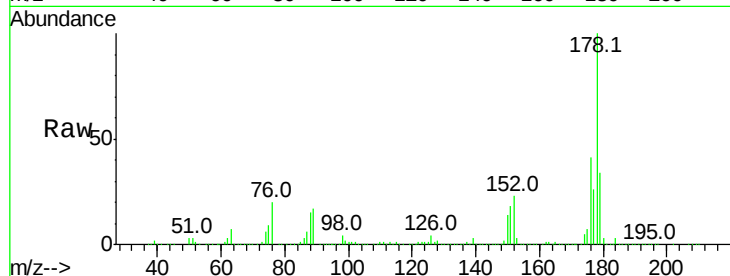
179 33.6 12.9 19.3#

176 40.6 15.3 22.9#

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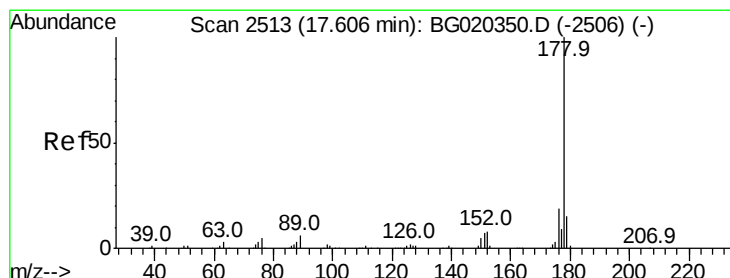
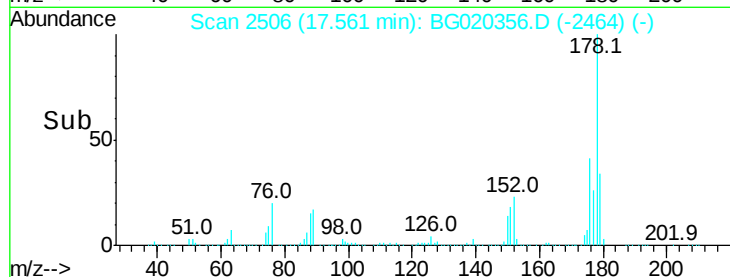
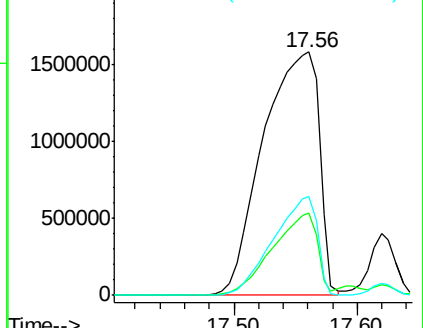
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 67.81 ng/ul

RT: 17.62 min Scan# 2516

Delta R.T. 0.01 min

Lab File: BG020356.D

Acq: 20 Dec 2015 23:56

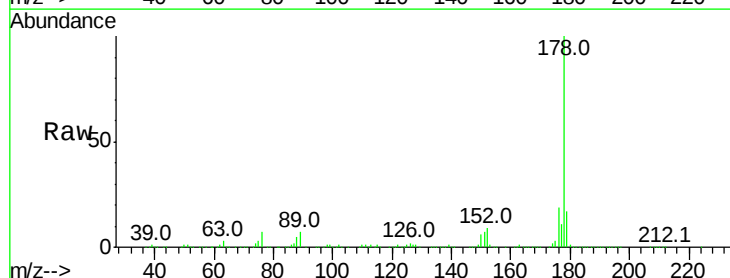
Tgt Ion:178 Resp: 585519

Ion Ratio Lower Upper

178 100

179 17.3 12.3 18.5

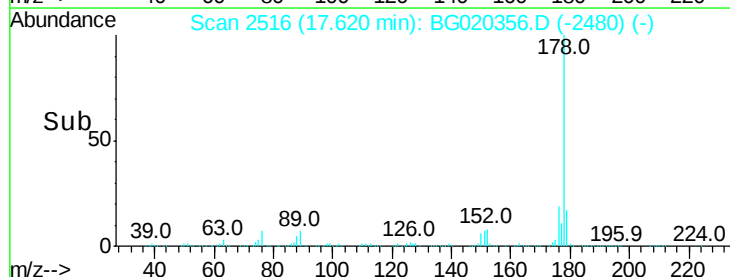
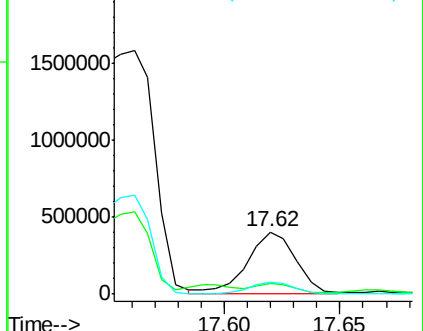
176 19.0 14.3 21.5

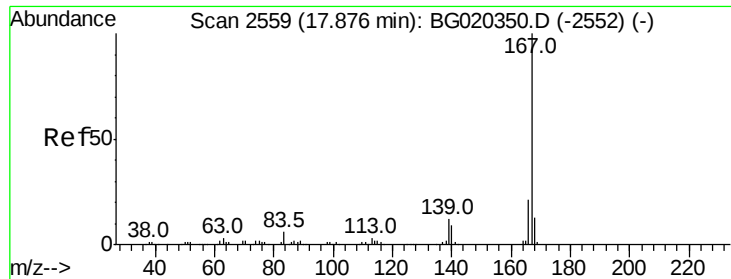


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 54.84 ng/ul

RT: 17.88 min Scan# 2560

Delta R.T. 0.00 min

Lab File: BG020356.D

Acq: 20 Dec 2015 23:56

Instrument :

BNA_G

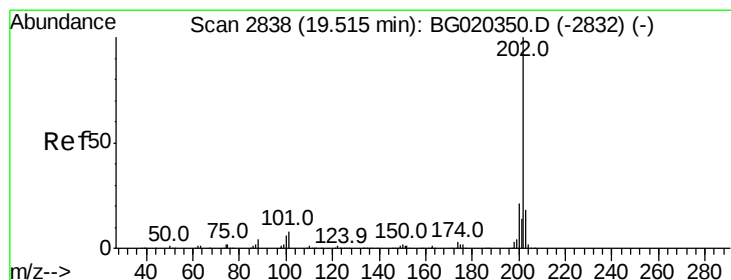
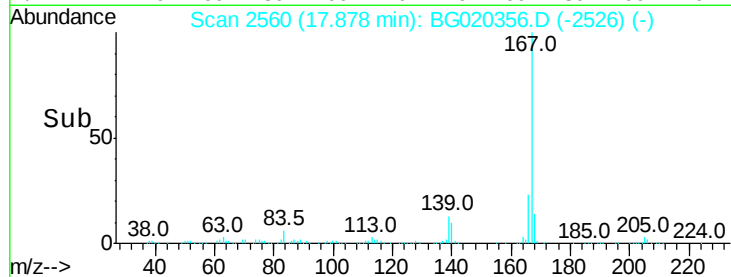
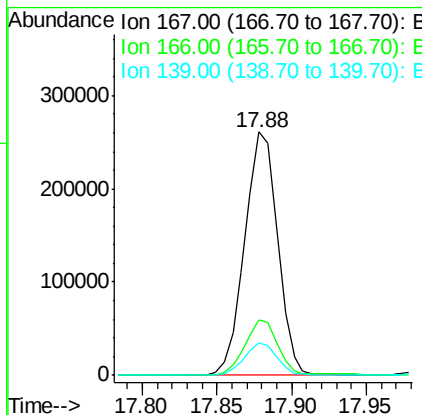
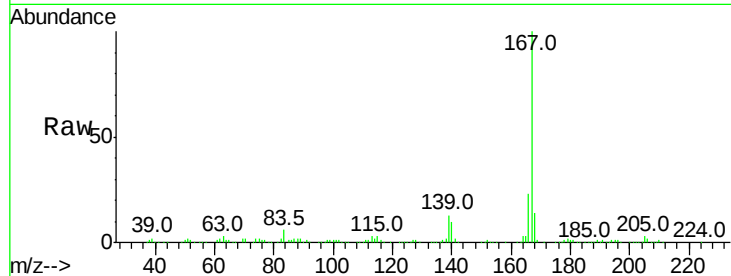
ClientSampleId :

D9N48

Tot Ion:	167	Resp:	397873
Ion Ratio	Lower	Upper	
167	100		
166	22.9	17.0	25.6
139	13.1	10.1	15.1

Manual Integrations
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#77

Fluoranthene

Concen: 358.05 ng/ul

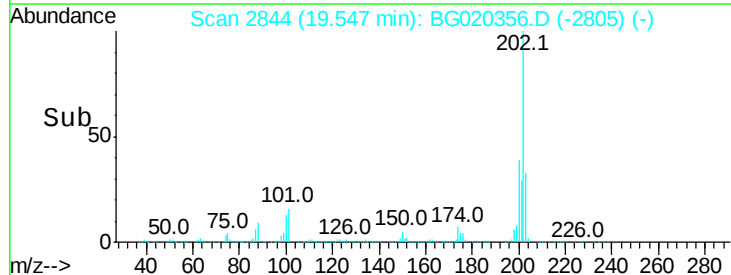
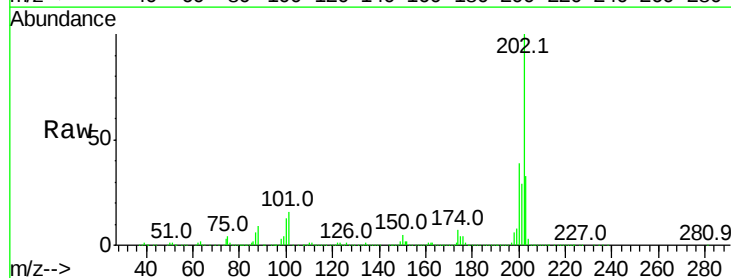
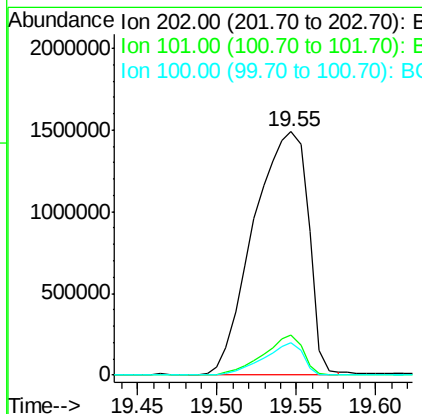
RT: 19.55 min Scan# 2844

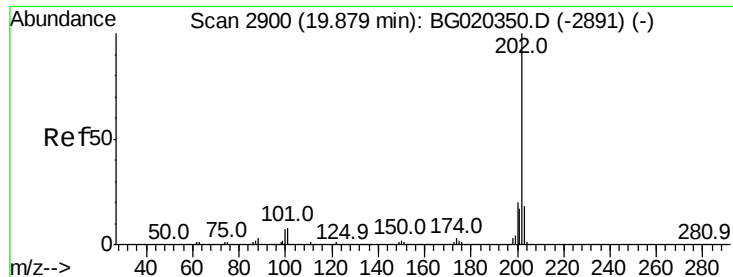
Delta R.T. 0.03 min

Lab File: BG020356.D

Acq: 20 Dec 2015 23:56

Tgt Ion:	202	Resp:	3562402
Ion Ratio	Lower	Upper	
202	100		
101	16.5	6.2	9.4#
100	13.4	5.1	7.7#





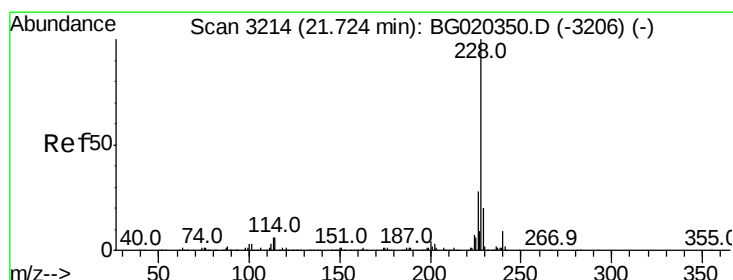
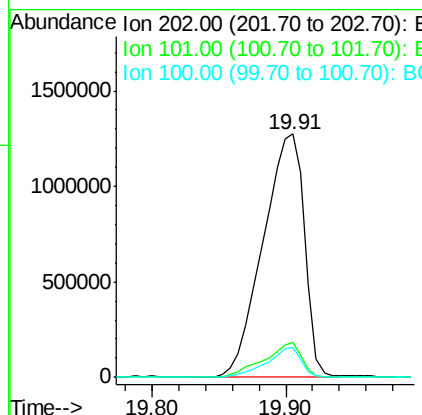
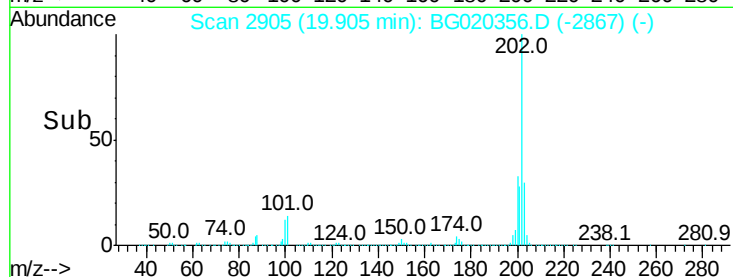
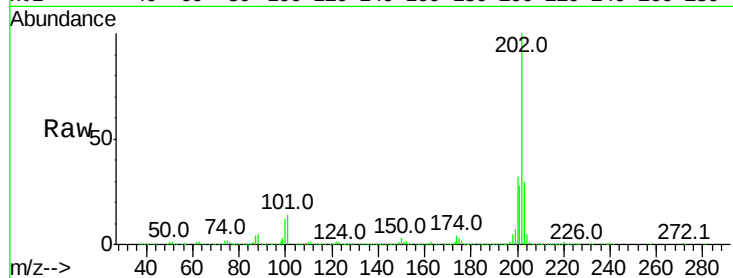
#80
Pvrene
Concen: 224.58 ng/ul
RT: 19.91 min Scan# 2905
Delta R.T. 0.03 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument :
BNA_G
ClientSampleId :
D9N48

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.4	7.0	10.4#
100	12.1	6.4	9.6#

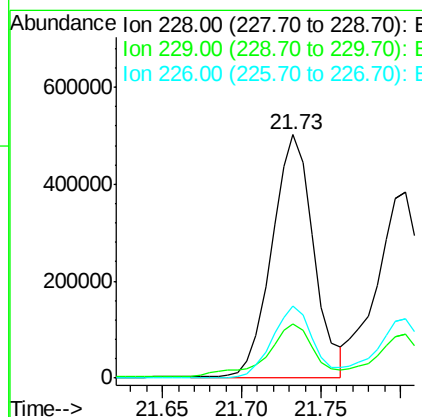
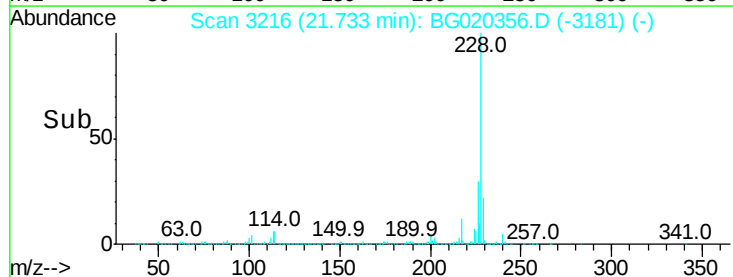
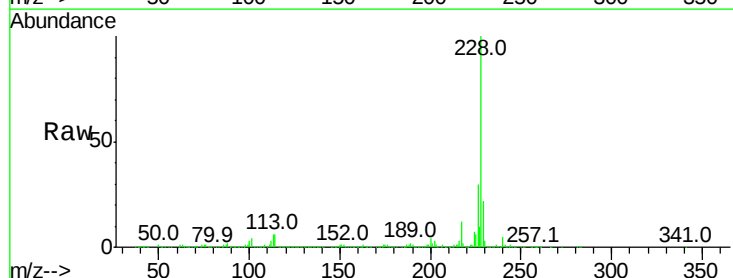
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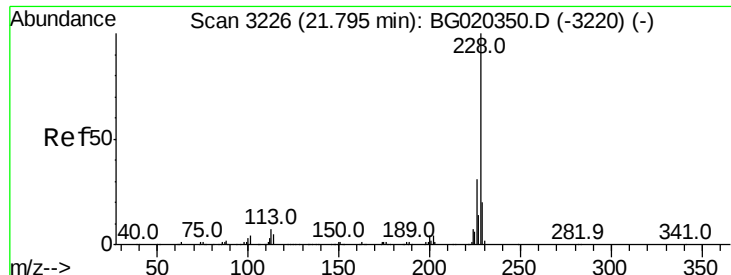
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#83
Benzo(a)anthracene
Concen: 77.86 ng/ul
RT: 21.73 min Scan# 3216
Delta R.T. 0.01 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.2	15.8	23.8
226	29.8	21.8	32.6





#85

Chrysene

Concen: 65.50 ng/ul

RT: 21.80 min Scan# 3228

Delta R.T. 0.01 min

Lab File: BG020356.D

Acq: 20 Dec 2015 23:56

Instrument :

BNA_G

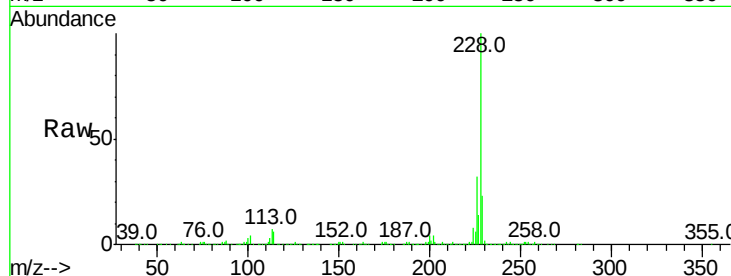
ClientSampleId :

D9N48

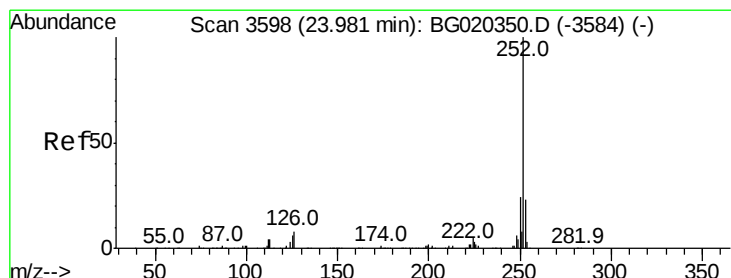
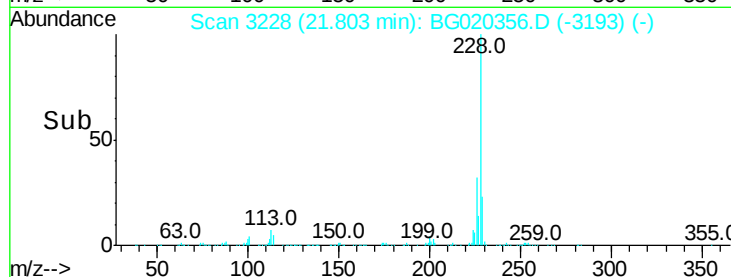
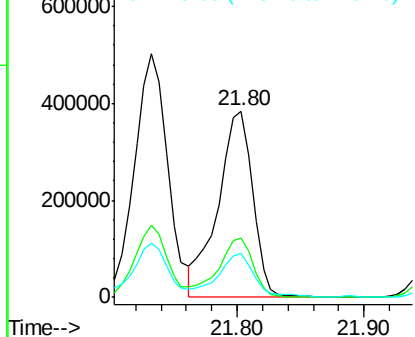
Tot Ion:	228	Resp:	726269
Ion Ratio	Lower	Upper	
228	100		
226	31.8	23.9	35.9
229	23.3	15.6	23.4

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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: 37.91 ng/ul

RT: 23.98 min Scan# 3599

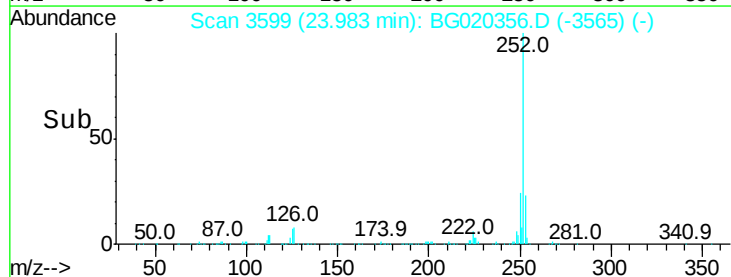
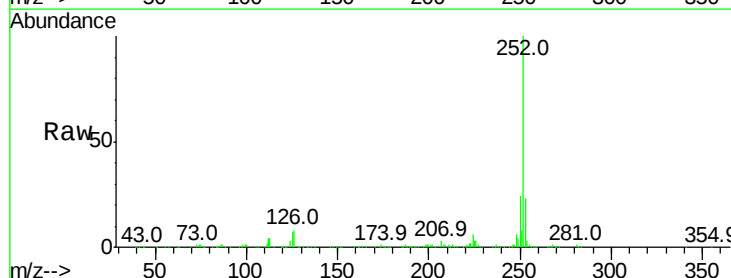
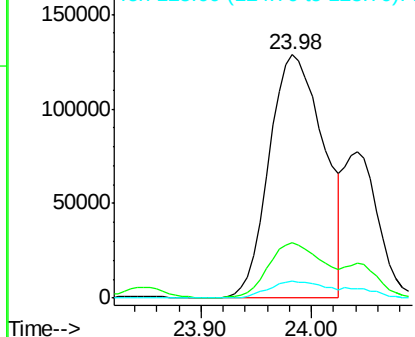
Delta R.T. 0.00 min

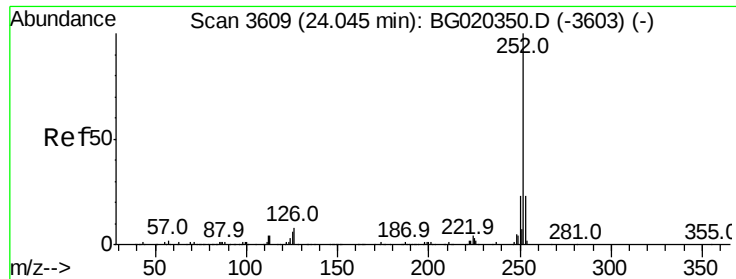
Lab File: BG020356.D

Acq: 20 Dec 2015 23:56

Tgt Ion:	252	Resp:	439361
Ion Ratio	Lower	Upper	
252	100		
253	23.0	16.7	25.1
125	6.8	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





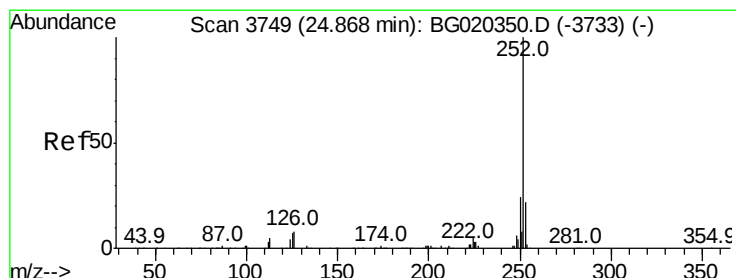
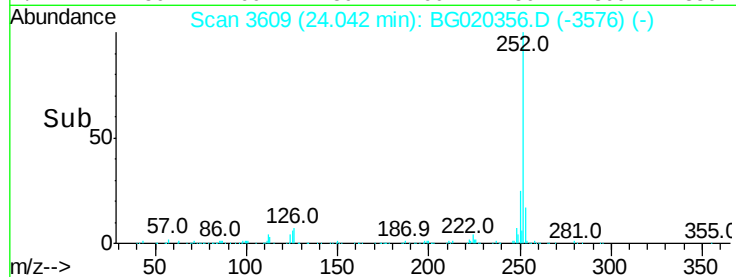
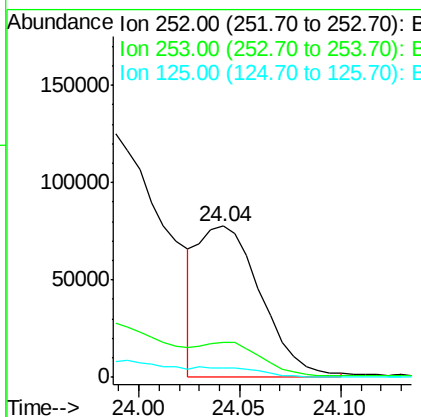
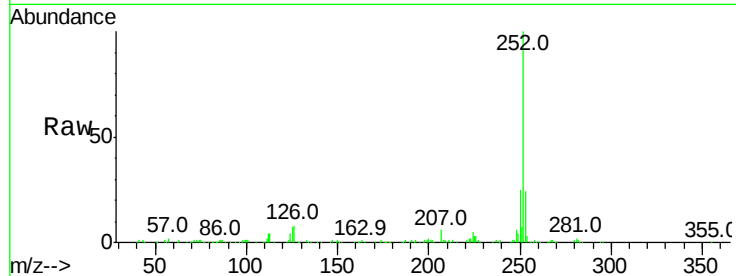
#89
Benzo(k)fluoranthene
Concen: 15.11 ng/ul m
RT: 24.04 min Scan# 3609
Delta R.T. -0.00 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument :
BNA_G
ClientSampleId :
D9N48

Tot Ion	Ratio	Resp	Lower	Upper
252	100	168014		
253	23.6		17.9	26.9
125	6.6		5.8	8.6

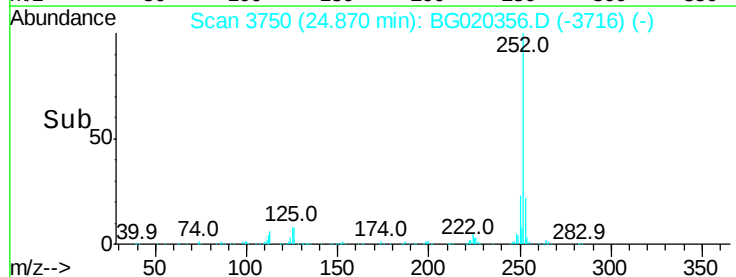
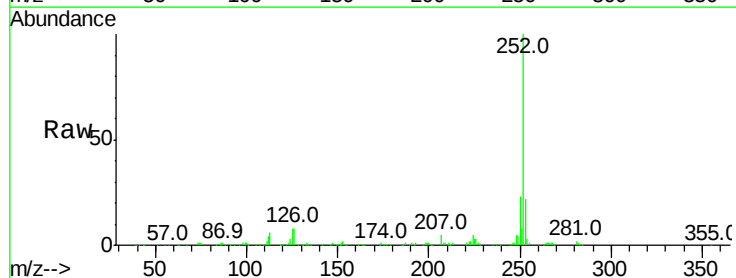
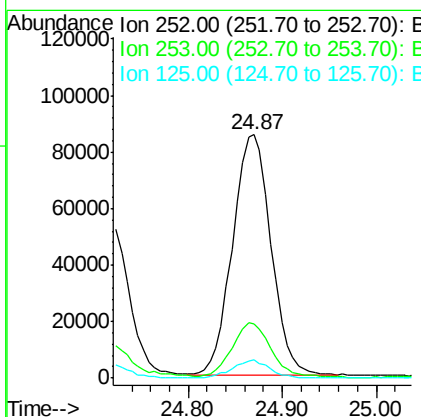
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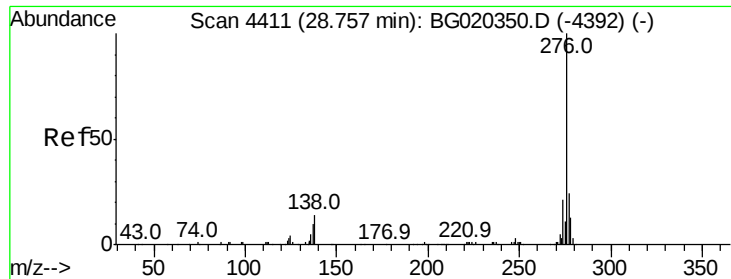
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#91
Benzo(a)pyrene
Concen: 21.84 ng/ul
RT: 24.87 min Scan# 3750
Delta R.T. 0.00 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	239973		
253	22.2		17.0	25.4
125	7.7		6.2	9.4





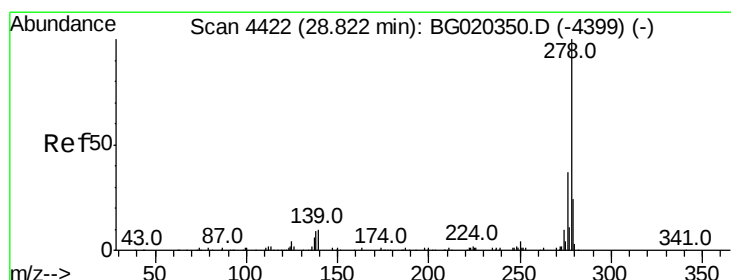
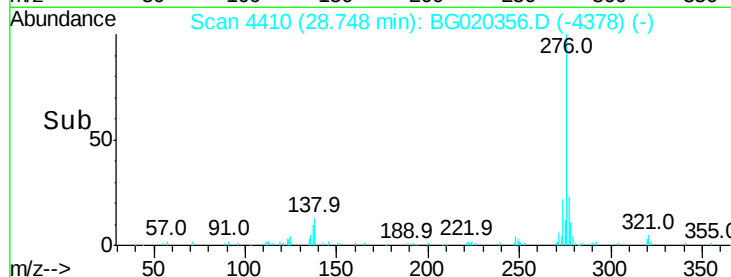
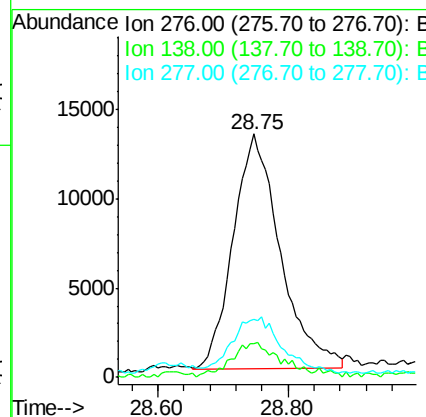
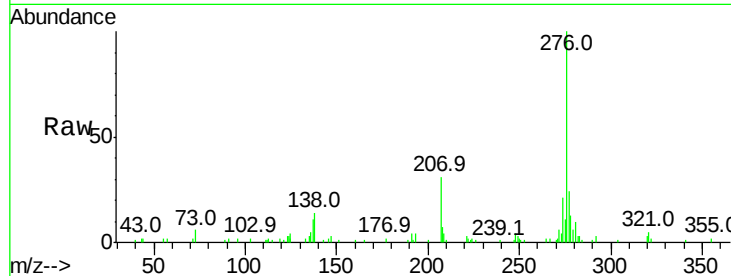
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 5.07 ng/ul
 RT: 28.75 min Scan# 4410
 Delta R.T. -0.01 min
 Lab File: BG020356.D
 Acq: 20 Dec 2015 23:56

Instrument :
 BNA_G
 ClientSampleId :
 D9N48

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	14.0	11.4	17.0
277	24.0	17.4	26.0

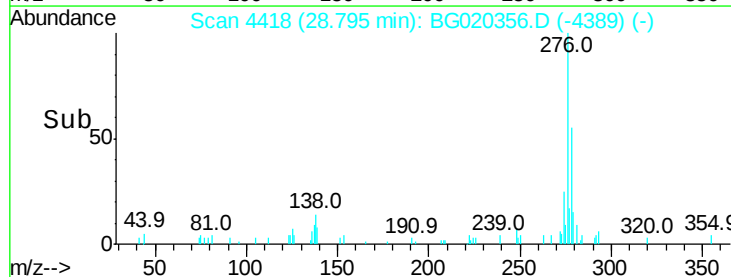
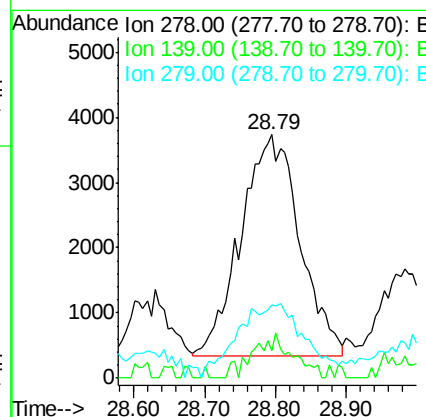
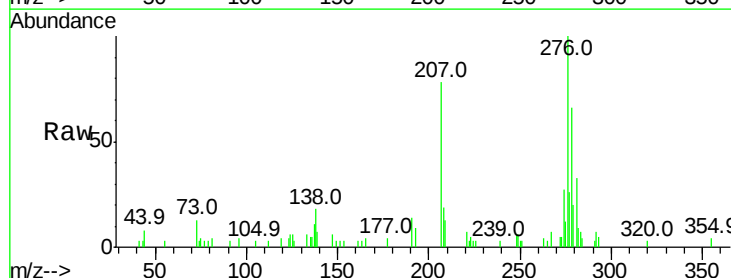
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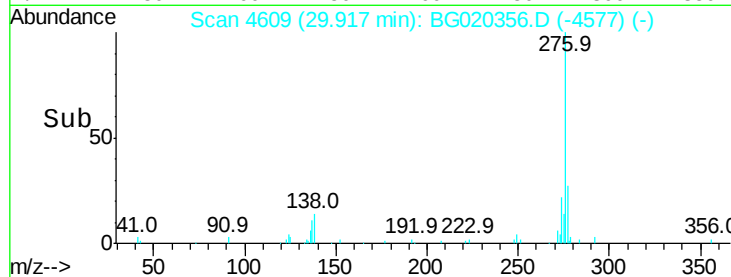
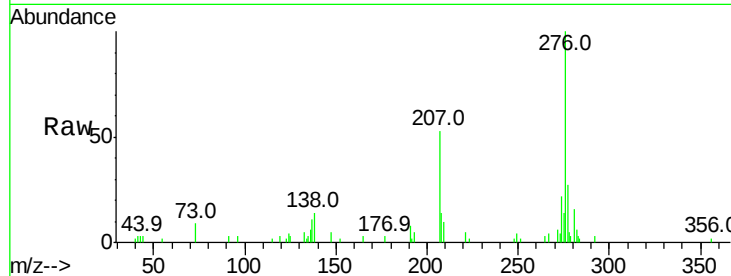
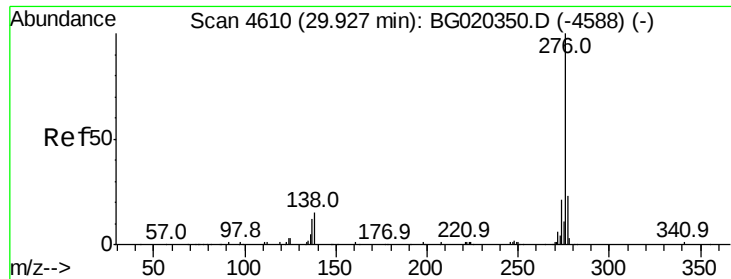
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#93
 Dibenzo(a,h)anthracene
 Concen: 1.80 ng/ul m
 RT: 28.79 min Scan# 4418
 Delta R.T. -0.03 min
 Lab File: BG020356.D
 Acq: 20 Dec 2015 23:56

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	11.0	9.4	14.2
279	30.3	19.4	29.0#





#94

Benzo(a,h,i)perylene

Concen: 4.03 ng/ul

RT: 29.92 min Scan# 4609

Delta R.T. -0.01 min

Lab File: BG020356.D

Acq: 20 Dec 2015 23:56

Tot Ion:	276	Resp:	43185
Ion Ratio	Lower	Upper	
276	100		
138	13.6	10.8	16.2
277	26.6	19.9	29.9

Instrument :

BNA_G

ClientSampleId :

D9N48

Manual Integrations
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