

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121815\
 Data File : BG020260.D
 Acq On : 18 Dec 2015 00:44
 Operator : UM/SJ
 Sample : G4767-18DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N40DL

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:21 PM

Quant Time: Dec 18 11:52:50 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 18 02:40:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	16945	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	73457	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	54002	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	132573	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	176892	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	170268	20.00	ng/ul	0.00

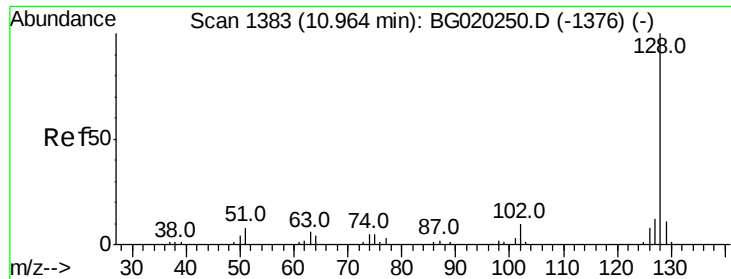
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	266	0.87	ng/uL	0.00
5) Phenol-d5	7.24	99	8260	5.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	5187	5.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	6420	5.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	6959	5.45	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	3355	5.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	4128	6.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	7510	5.82	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	9487	6.54	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	29788	6.82	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	32557	6.41	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	4137	5.28	ng/ul	0.00
58) Fluorene-d10	15.72	176	25601	6.46	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	3297	4.20	ng/ul	0.00
71) Anthracene-d10	17.58	188	41023	6.72	ng/ul	0.00
79) Pyrene-d10	19.86	212	48321	5.86	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	54957	6.47	ng/ul	-0.01

Target Compounds

						Ovalue
28) Naphthalene	10.97	128	795848	207.47	ng/ul	96
34) 2-Methylnaphthalene	12.56	142	272843	93.12	ng/ul	99
41) 1,1'-Biphenyl	13.56	154	123502	30.31	ng/ul	97
45) Dimethylphthalate	14.17	163	11660	2.61	ng/ul#	95
48) Acenaphthylene	14.45	152	42912	7.95	ng/ul#	96
50) Acenaphthene	14.80	153	530515	146.04	ng/ul	98
54) Dibenzofuran	15.13	168	562888	104.16	ng/ul	98
59) Fluorene	15.78	166	538993	124.20	ng/ul	98
70) Phenanthrene	17.53	178	2145182m	295.82	ng/ul	
72) Anthracene	17.61	178	298909	40.64	ng/ul	99
75) Carbazole	17.88	167	209995	33.98	ng/ul	98
77) Fluoranthene	19.53	202	1330949	157.05	ng/ul	98
80) Pyrene	19.88	202	940223	87.82	ng/ul	99
83) Benzo(a)anthracene	21.72	228	223925	21.69	ng/ul	99
85) Chrysene	21.79	228	190881	19.64	ng/ul	98
88) Benzo(b)fluoranthene	23.97	252	96919	9.46	ng/ul	99
89) Benzo(k)fluoranthene	24.04	252	29368	2.99	ng/ul	99
91) Benzo(a)pyrene	24.86	252	59656	6.14	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.73	276	17496m	1.51	ng/ul	
94) Benzo(g,h,i)perylene	29.91	276	13360m	1.41	ng/ul	

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



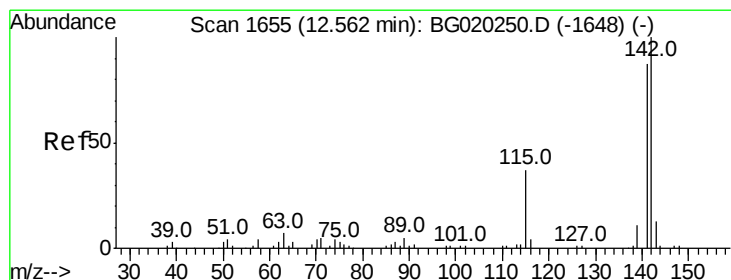
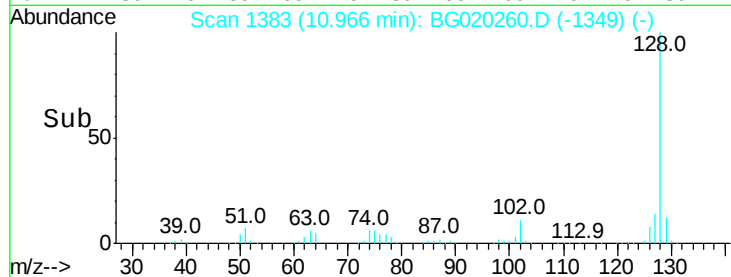
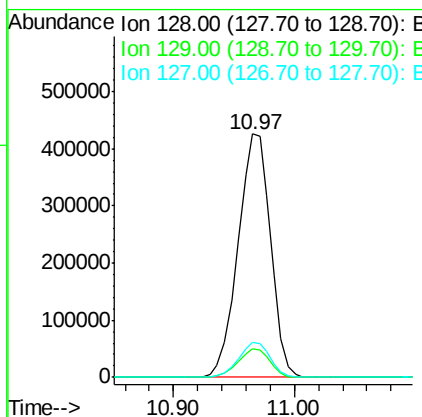
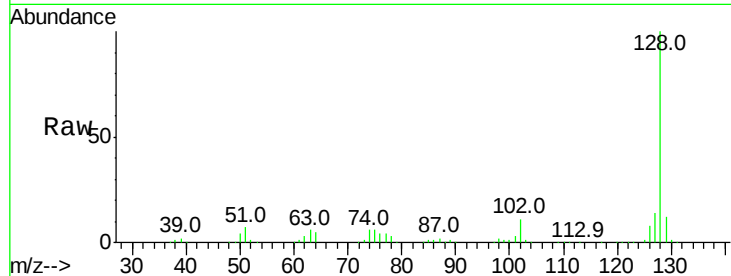
#28
Naphthalene
Concen: 207.47 ng/ul
RT: 10.97 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BG020260.D
Acq: 18 Dec 2015 00:44

Instrument :
BNA_G
ClientSampleId :
D9N40DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.6	12.8
127	14.4	10.1	15.1

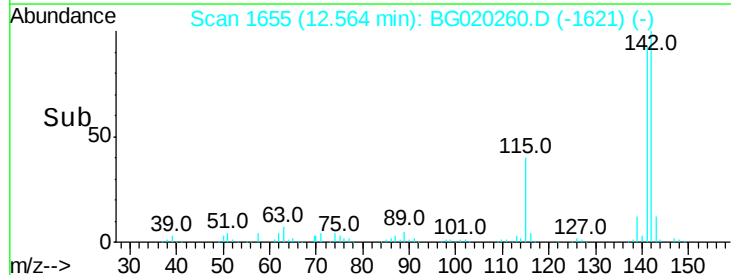
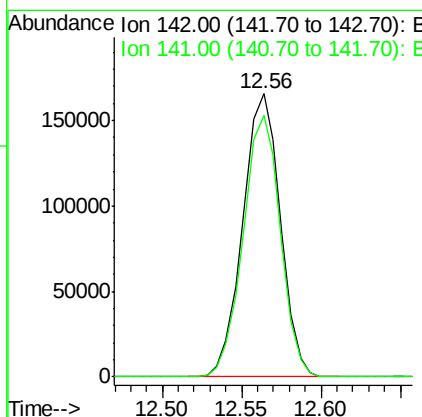
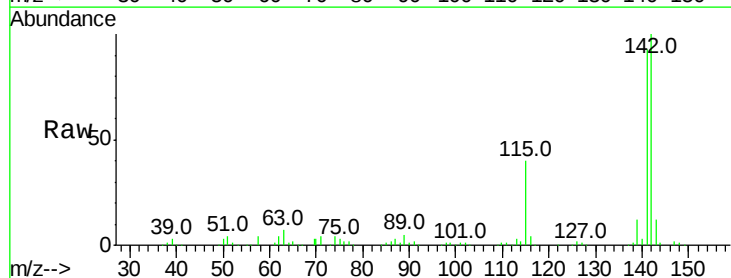
Manual Integrations
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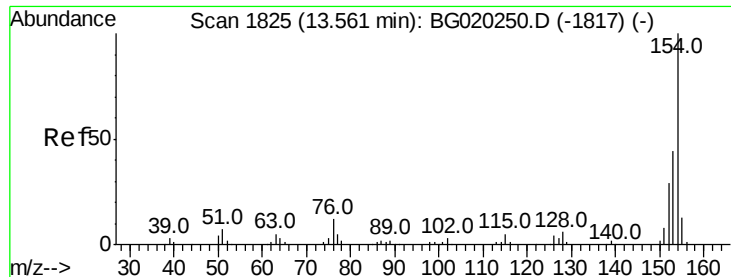
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#34
2-Methylnaphthalene
Concen: 93.12 ng/ul
RT: 12.56 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BG020260.D
Acq: 18 Dec 2015 00:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.5	74.9	112.3





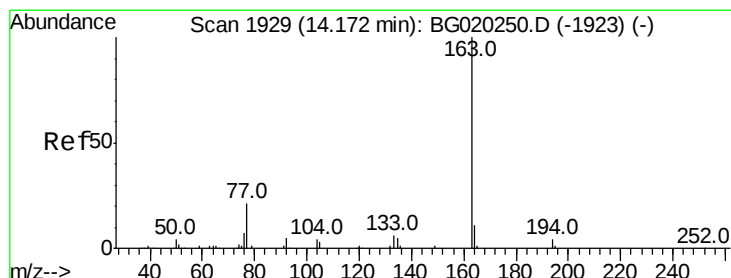
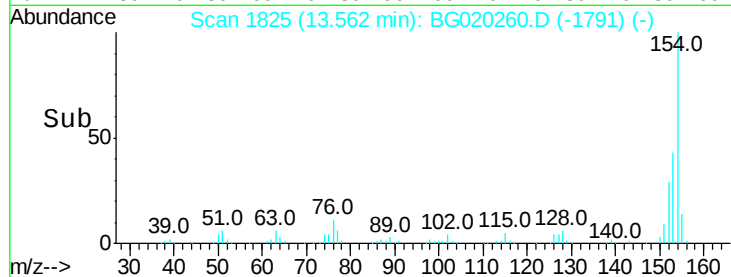
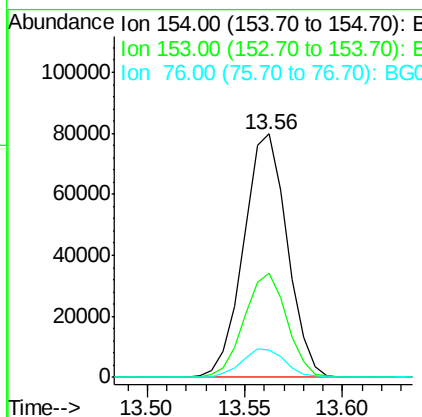
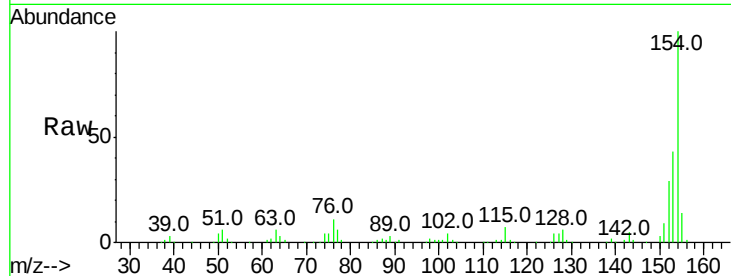
#41
 1,1'-Biphenyl
 Concen: 30.31 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BG020260.D
 Acq: 18 Dec 2015 00:44

Instrument :
 BNA_G
 ClientSampled :
 D9N40DL

Tot Ion:	154	Resp:	123502
Ion Ratio	Lower	Upper	
154	100		
153	43.0	35.5	53.3
76	11.2	10.4	15.6

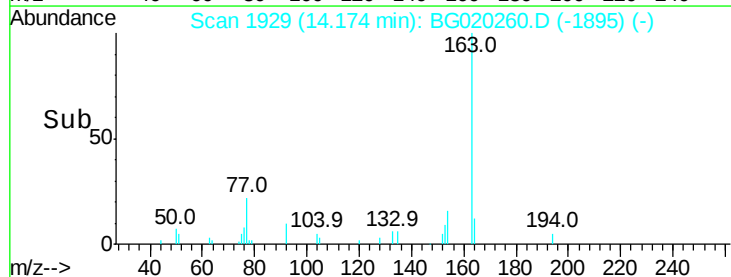
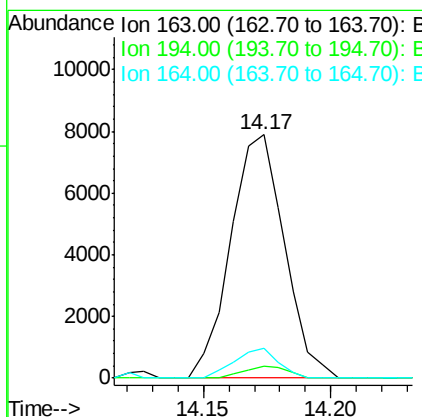
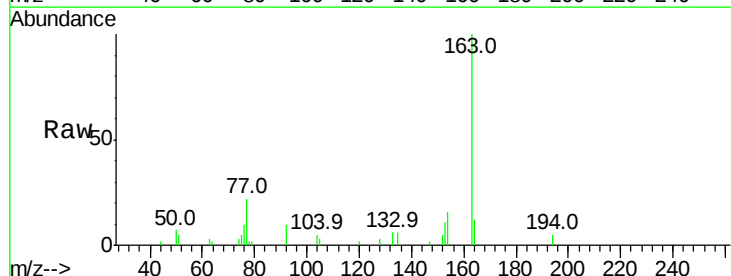
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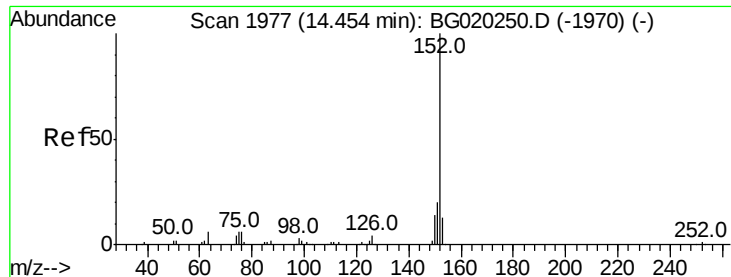
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#45
 Dimethylphthalate
 Concen: 2.61 ng/ul
 RT: 14.17 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: BG020260.D
 Acq: 18 Dec 2015 00:44

Tgt Ion:	163	Resp:	11660
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.5	5.3
164	12.1	7.7	11.5#





#48

Acenaphthylene

Concen: 7.95 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG020260.D

Acq: 18 Dec 2015 00:44

Instrument :

BNA_G

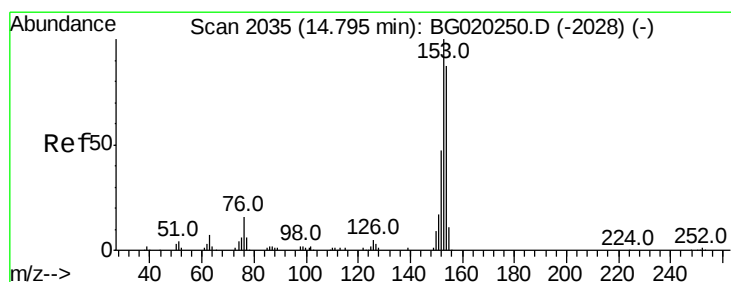
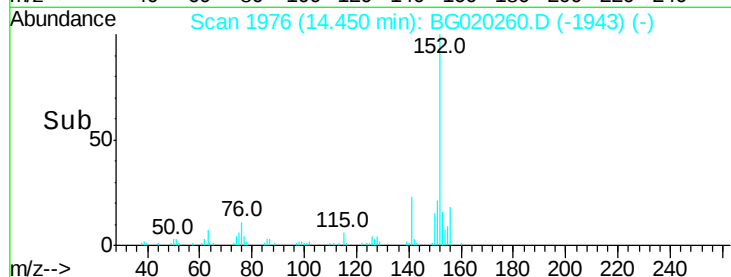
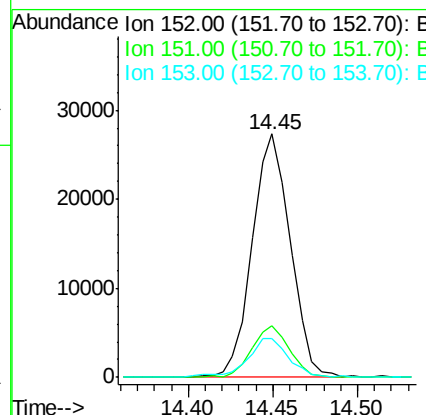
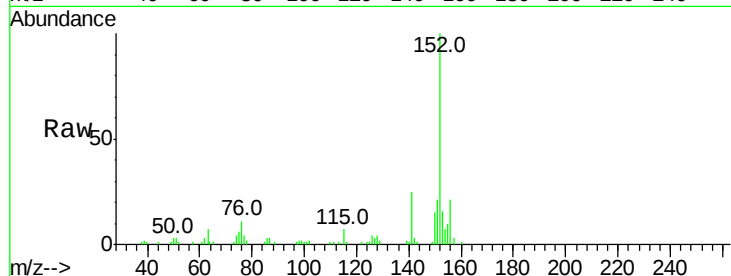
ClientSampleId :

D9N40DL

Tot Ion:	152	Resp:	42912
Ion Ratio	Lower	Upper	
152	100		
151	21.4	16.4	24.6
153	16.2	10.4	15.6

Manual Integrations
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#50

Acenaphthene

Concen: 146.04 ng/ul

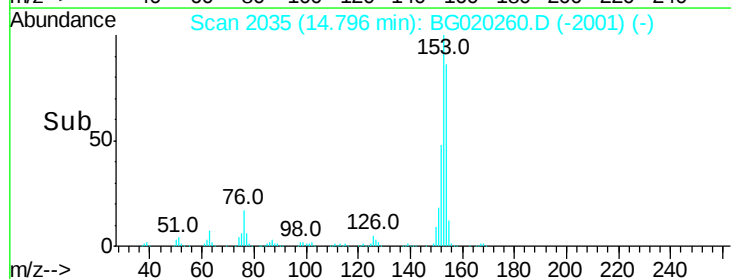
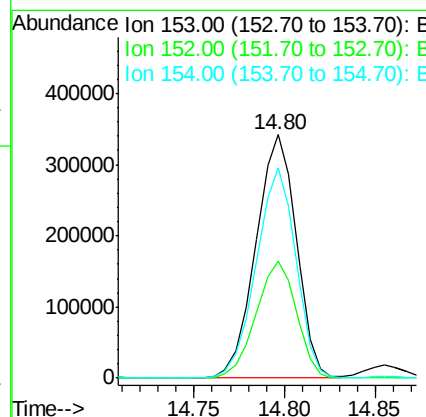
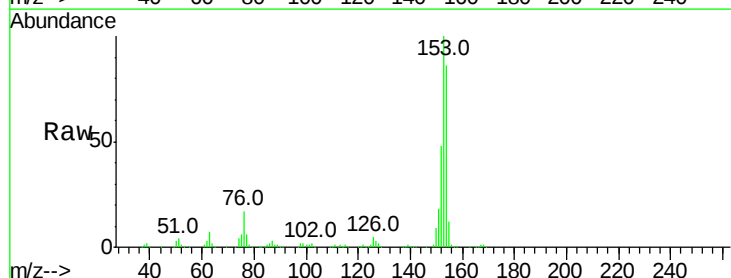
RT: 14.80 min Scan# 2035

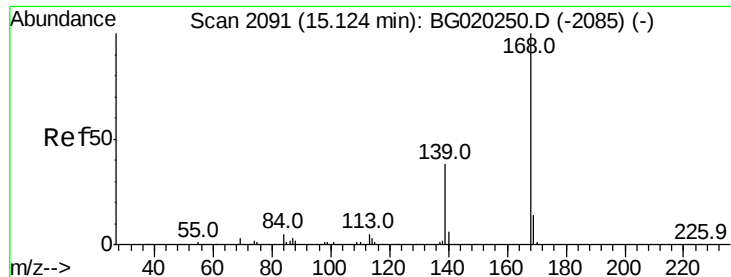
Delta R.T. 0.00 min

Lab File: BG020260.D

Acq: 18 Dec 2015 00:44

Tgt Ion:	153	Resp:	530515
Ion Ratio	Lower	Upper	
153	100		
152	48.1	37.6	56.4
154	86.4	67.9	101.9





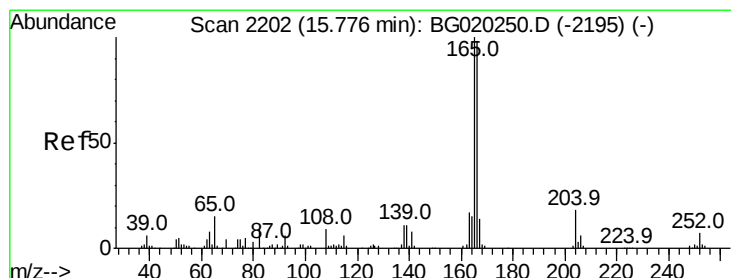
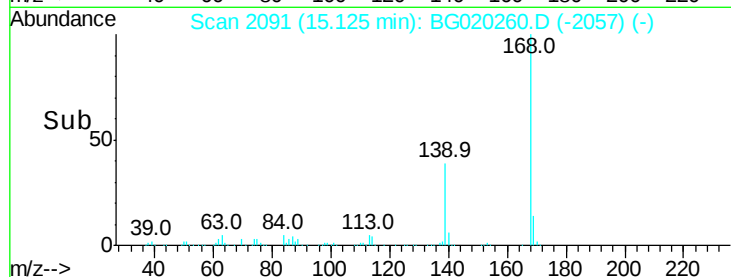
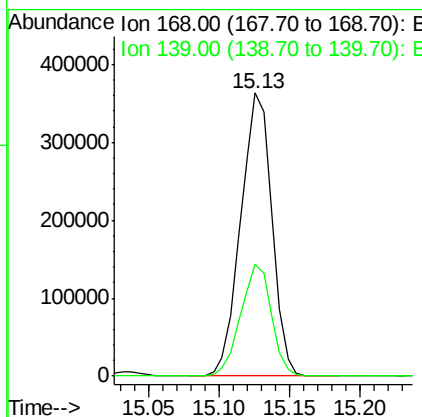
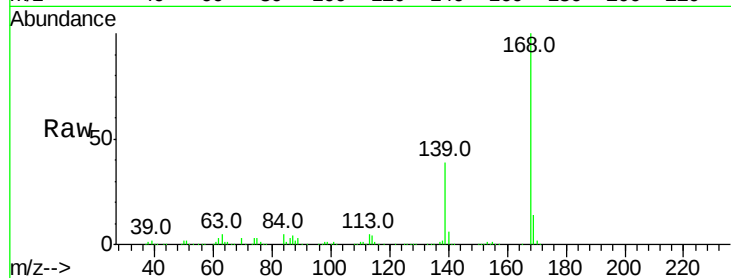
#54
Dibenzenofuran
Concen: 104.16 ng/ul
RT: 15.13 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BG020260.D
Acq: 18 Dec 2015 00:44

Instrument :
BNA_G
ClientSampleId :
D9N40DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.4	30.5	45.7

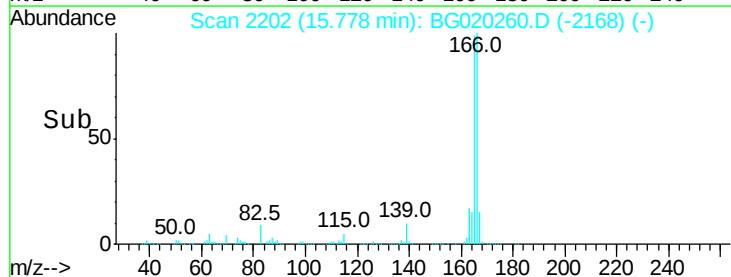
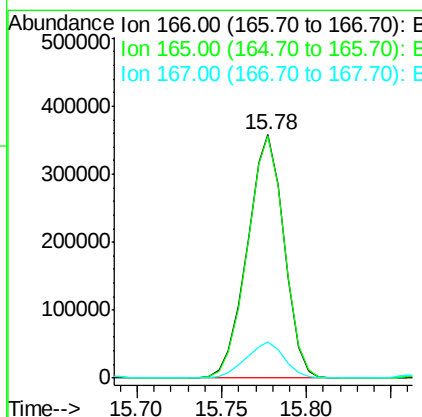
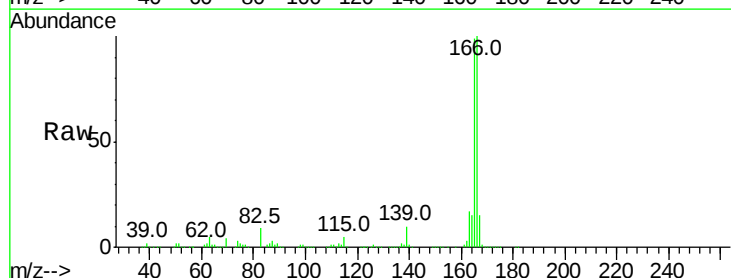
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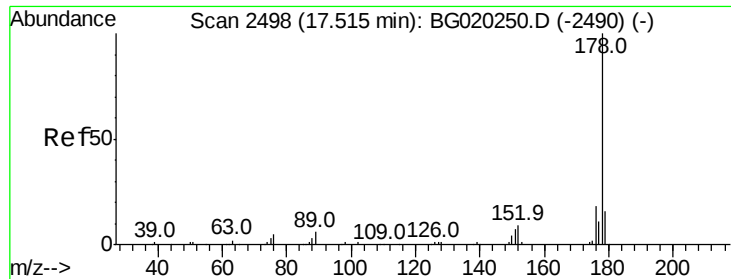
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#59
Fluorene
Concen: 124.20 ng/ul
RT: 15.78 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BG020260.D
Acq: 18 Dec 2015 00:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	81.4	122.0
167	14.9	11.2	16.8





#70

Phenanthrene

Concen: 295.82 ng/ul m

RT: 17.53 min Scan# 2500

Delta R.T. 0.01 min

Lab File: BG020260.D

Acq: 18 Dec 2015 00:44

Instrument :

BNA_G

ClientSampleId :

D9N40DL

Tot Ion:178 Resp: 2145182

Ion Ratio Lower Upper

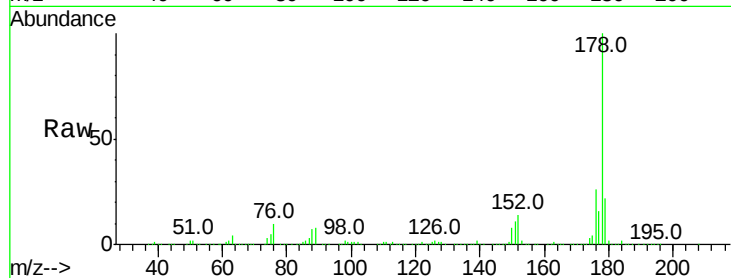
178 100

179 21.9 12.9 19.3#

176 26.1 15.3 22.9#

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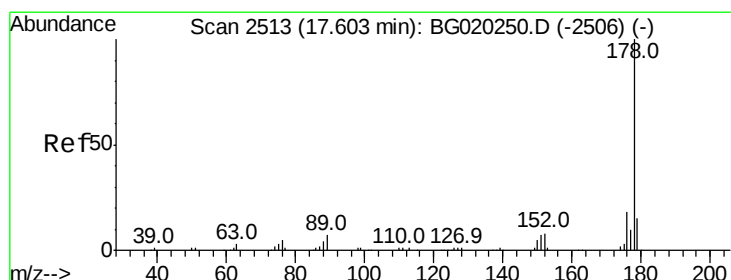
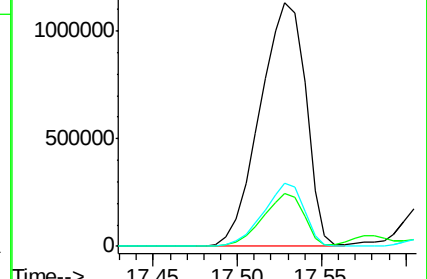
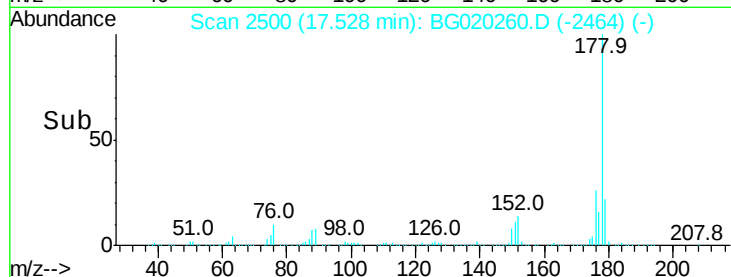
MMdadoda
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 40.64 ng/ul

RT: 17.61 min Scan# 2514

Delta R.T. 0.01 min

Lab File: BG020260.D

Acq: 18 Dec 2015 00:44

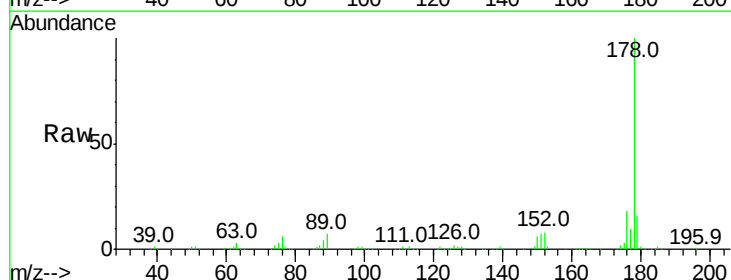
Tgt Ion:178 Resp: 298909

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

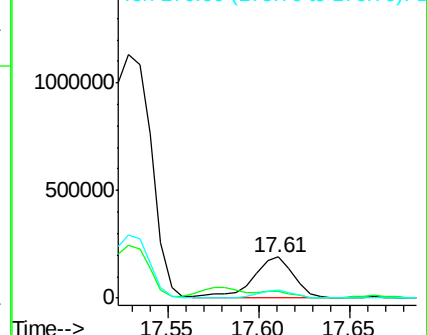
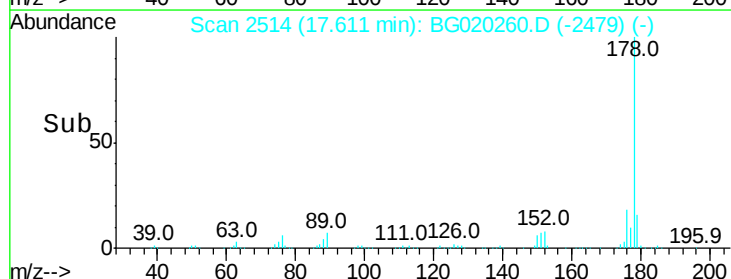
176 18.4 14.3 21.5

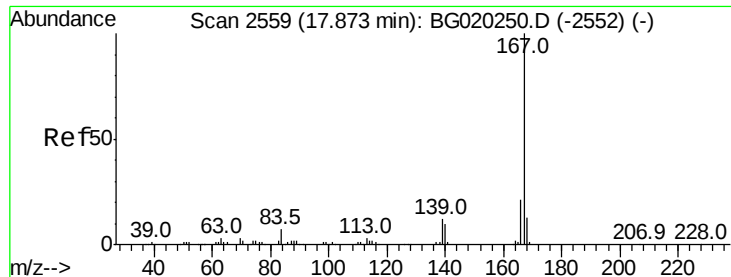


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 33.98 ng/ul

RT: 17.88 min Scan# 2559

Delta R.T. 0.00 min

Lab File: BG020260.D

Acq: 18 Dec 2015 00:44

Instrument :

BNA_G

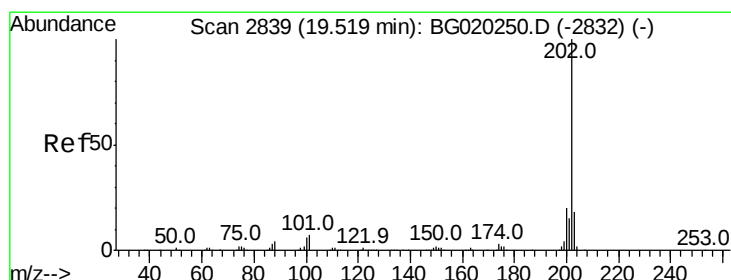
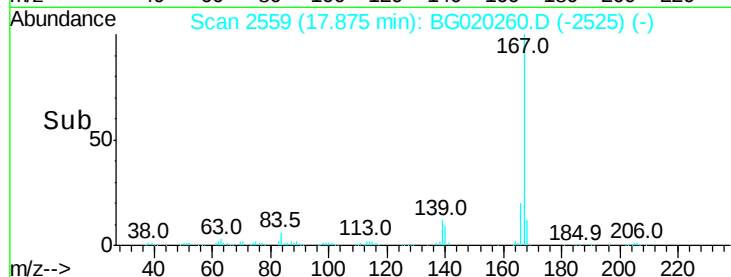
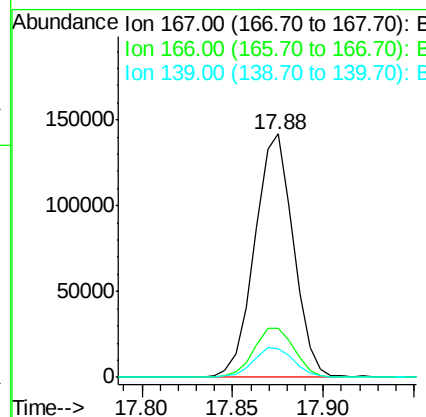
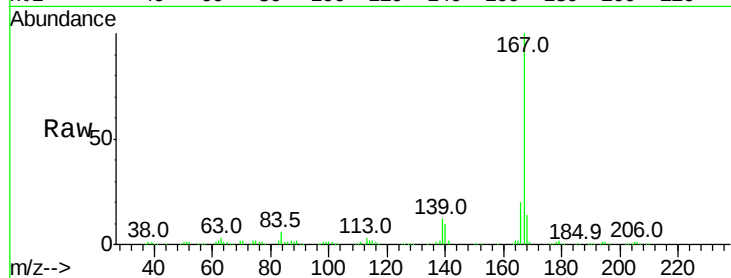
ClientSampleId :

D9N40DL

Tot Ion:	167	Resp:	209995
Ion Ratio	Lower	Upper	
167	100		
166	20.3	17.0	25.6
139	12.0	10.1	15.1

Manual Integrations
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#77

Fluoranthene

Concen: 157.05 ng/ul

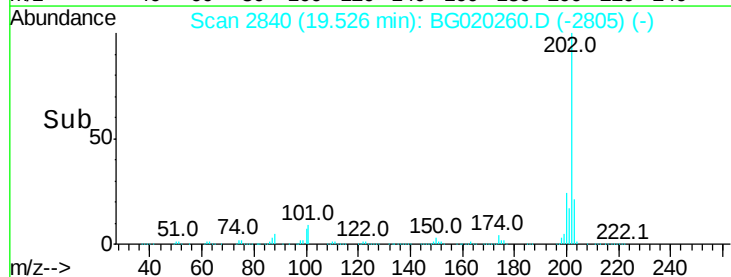
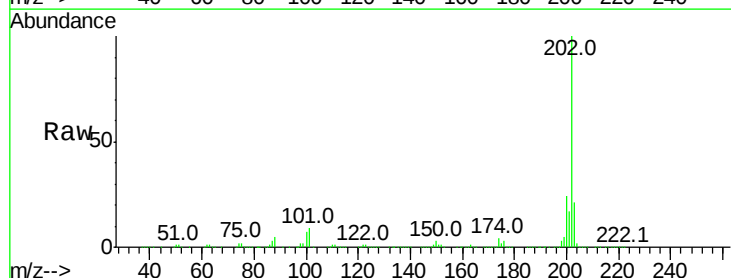
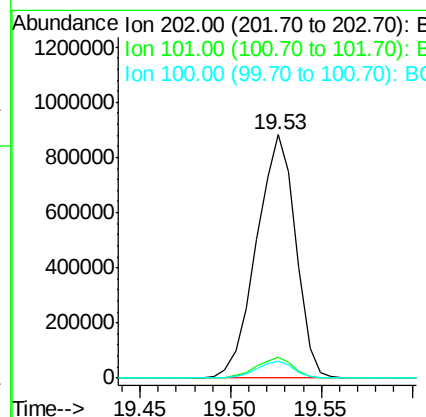
RT: 19.53 min Scan# 2840

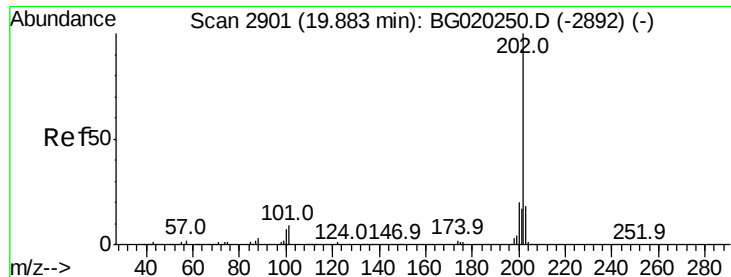
Delta R.T. 0.01 min

Lab File: BG020260.D

Acq: 18 Dec 2015 00:44

Tgt Ion:	202	Resp:	1330949
Ion Ratio	Lower	Upper	
202	100		
101	8.7	6.2	9.4
100	7.0	5.1	7.7





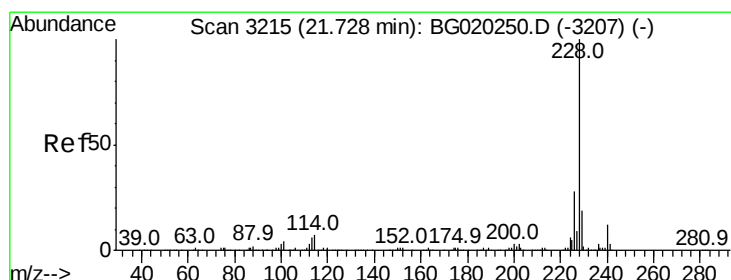
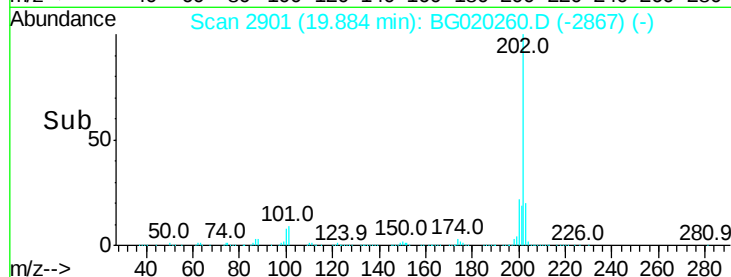
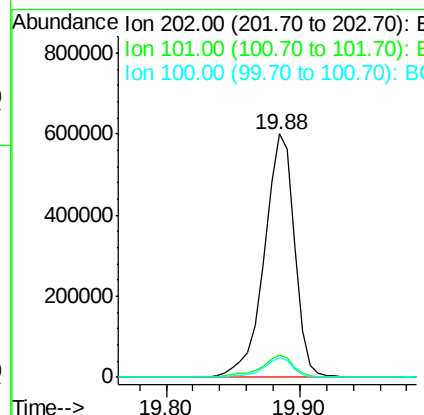
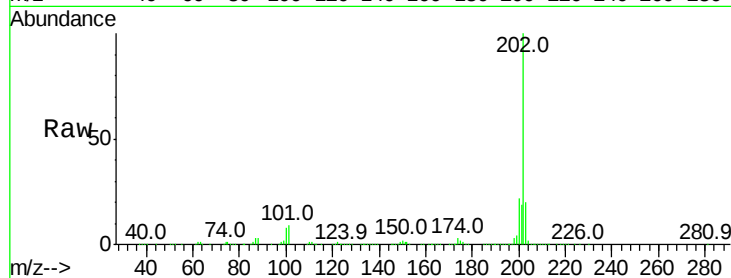
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Pvrene
Concen: 87.82 ng/ul
RT: 19.88 min Scan# 2901
Delta R.T. 0.00 min
Lab File: BG020260.D
Acq: 18 Dec 2015 00:44

Instrument :
BNA_G
ClientSampleId :
D9N40DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.1	7.0	10.4
100	8.1	6.4	9.6

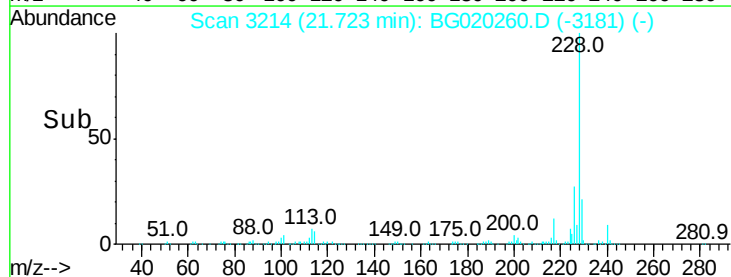
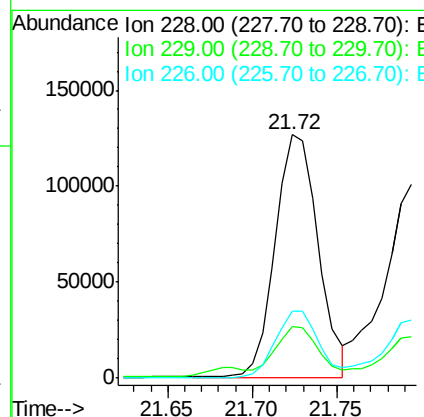
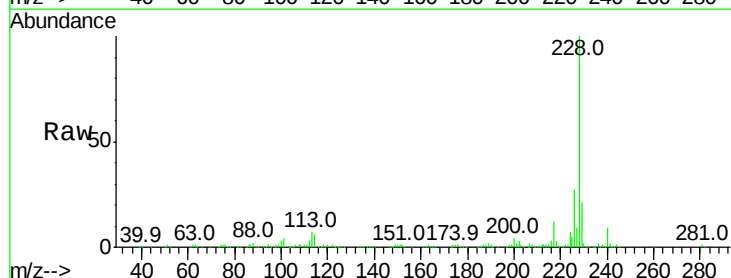
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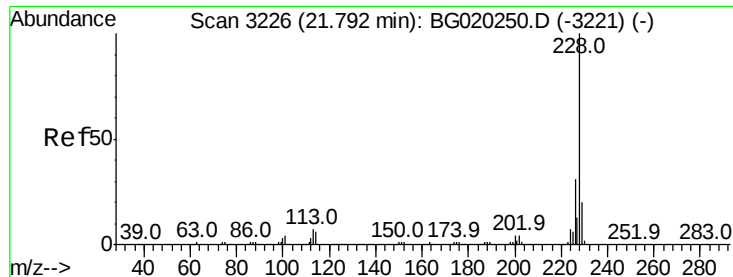
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#83
Benzo(a)anthracene
Concen: 21.69 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. -0.00 min
Lab File: BG020260.D
Acq: 18 Dec 2015 00:44

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.1	15.8	23.8
226	27.4	21.8	32.6





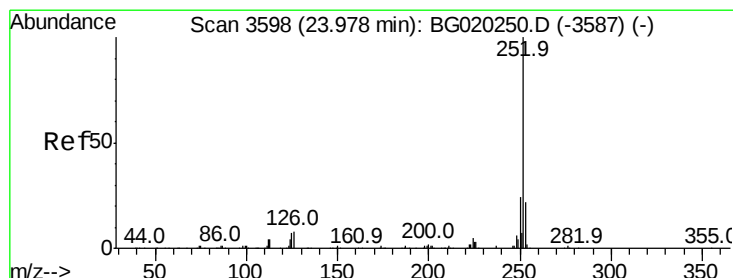
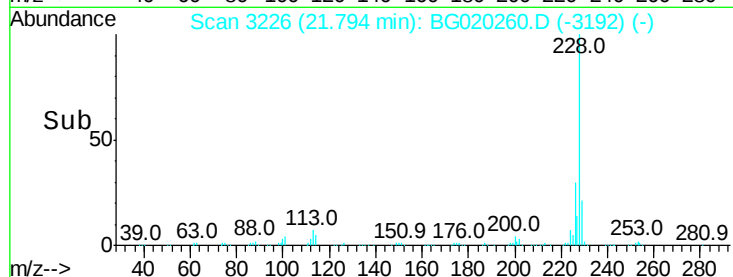
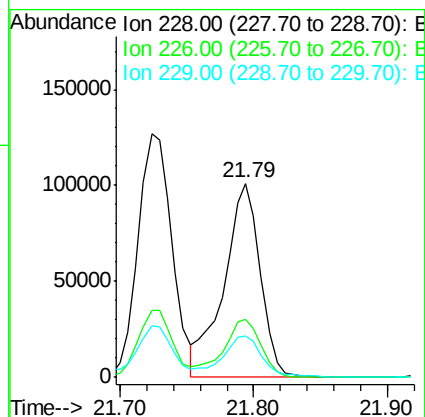
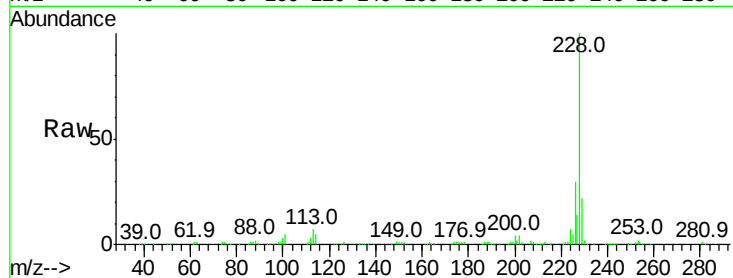
#85
Chrysene
Concen: 19.64 ng/ul
RT: 21.79 min Scan# 3226
Delta R.T. 0.00 min
Lab File: BG020260.D
Acq: 18 Dec 2015 00:44

Instrument :
BNA_G
ClientSampleId :
D9N40DL

Tot Ion:	228	Resp:	190881
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.9	35.9
229	21.6	15.6	23.4

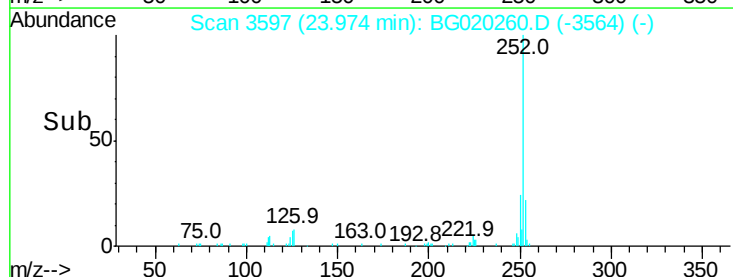
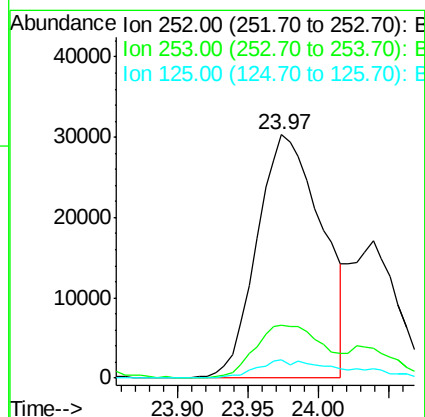
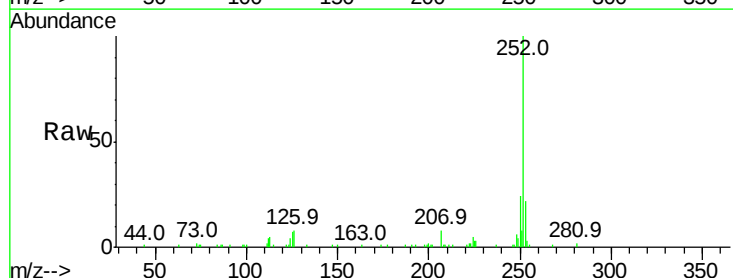
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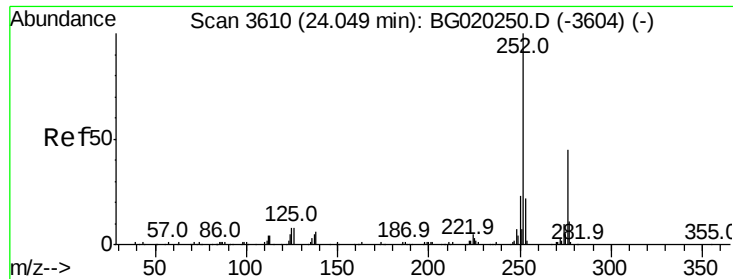
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#88
Benzo(b)fluoranthene
Concen: 9.46 ng/ul
RT: 23.97 min Scan# 3597
Delta R.T. -0.00 min
Lab File: BG020260.D
Acq: 18 Dec 2015 00:44

Tgt Ion:	252	Resp:	96919
Ion Ratio	Lower	Upper	
252	100		
253	21.6	16.7	25.1
125	7.3	6.2	9.2





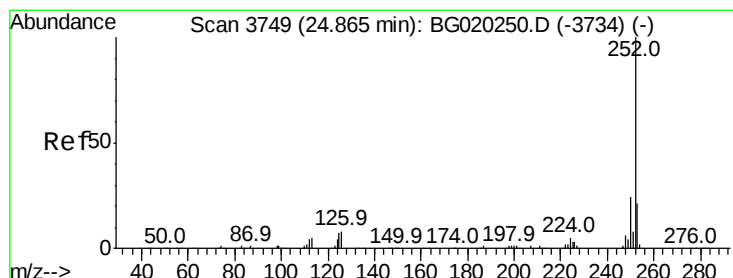
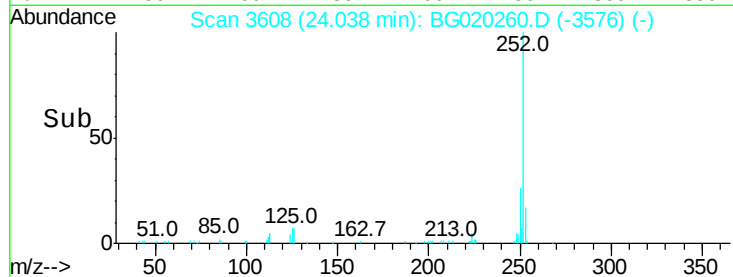
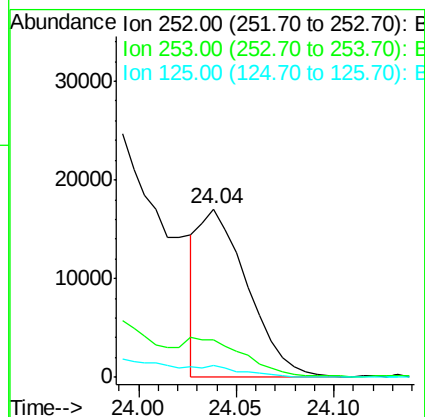
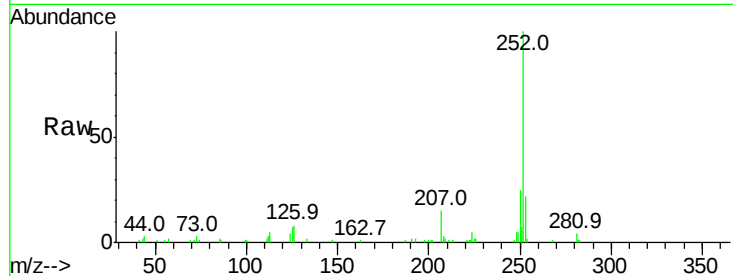
#89
Benzo(k)fluoranthene
Concen: 2.99 ng/ul
RT: 24.04 min Scan# 3608
Delta R.T. -0.01 min
Lab File: BG020260.D
Acq: 18 Dec 2015 00:44

Instrument :
BNA_G
ClientSampleId :
D9N40DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	7.0	5.8	8.6

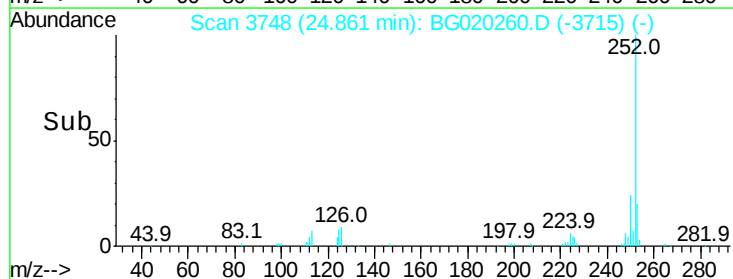
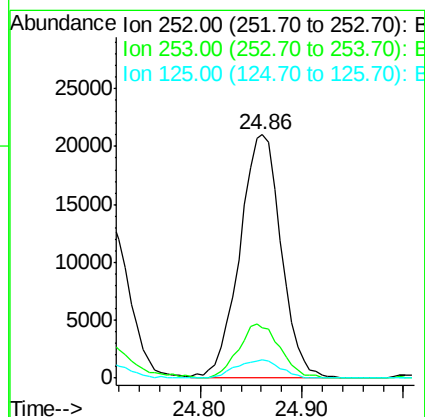
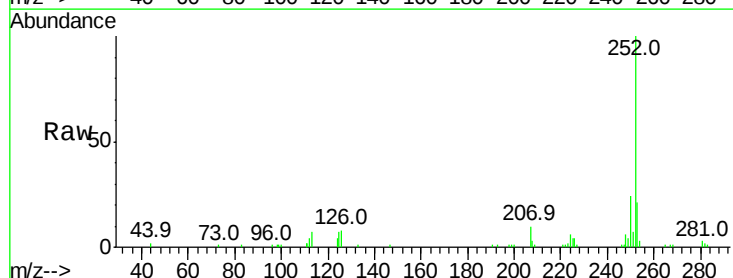
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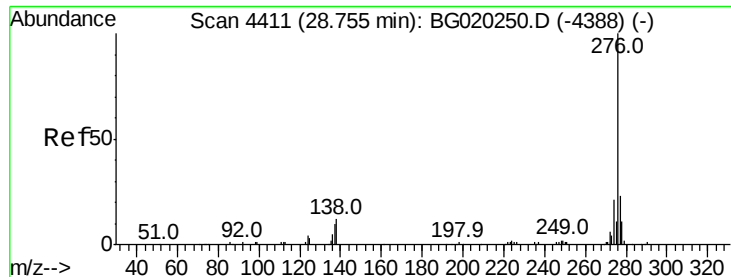
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#91
Benzo(a)pyrene
Concen: 6.14 ng/ul
RT: 24.86 min Scan# 3748
Delta R.T. -0.00 min
Lab File: BG020260.D
Acq: 18 Dec 2015 00:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.0	25.4
125	7.3	6.2	9.4





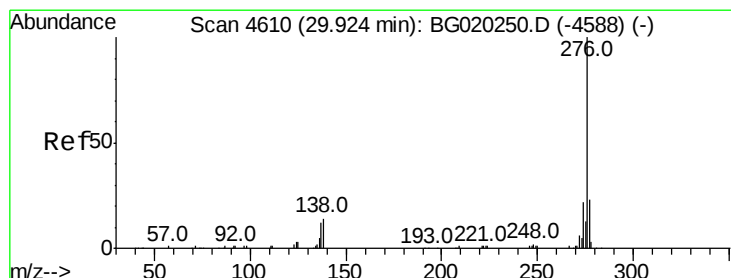
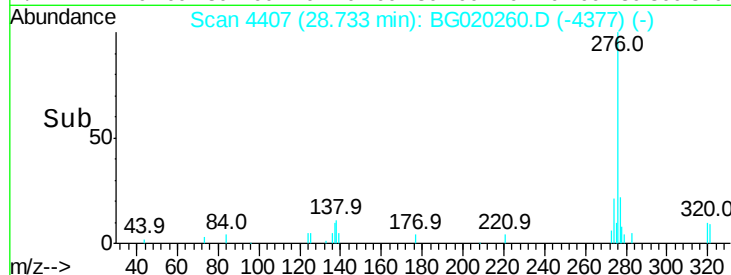
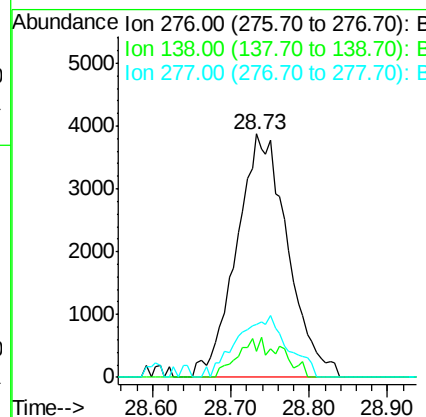
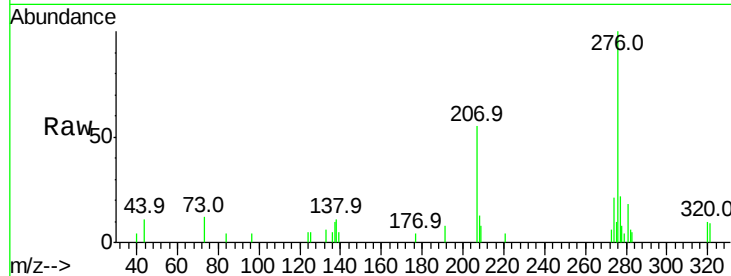
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 1.51 ng/ul m
 RT: 28.73 min Scan# 4407
 Delta R.T. -0.02 min
 Lab File: BG020260.D
 Acq: 18 Dec 2015 00:44

Instrument :
 BNA_G
 ClientSampleId :
 D9N40DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.6	11.4	17.0#
277	21.9	17.4	26.0

Manual Integrations
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#94
 Benzo(g,h,i)perylene
 Concen: 1.41 ng/ul m
 RT: 29.91 min Scan# 4608
 Delta R.T. -0.01 min
 Lab File: BG020260.D
 Acq: 18 Dec 2015 00:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.3	10.8	16.2#
277	23.7	19.9	29.9

