

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121815\
 Data File : BG020255.D
 Acq On : 17 Dec 2015 21:10
 Operator : UM/SJ
 Sample : G4767-07DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N29DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 18 11:19:12 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	17380	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	76277	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	55014	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	139238	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	180770	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	176012	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	7.24	99	4929	3.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	3326	3.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	4013	3.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	4312	3.29	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	2089	3.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	2553	3.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	4270	3.19	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	6723m	4.47	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	18345	4.12	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	19244	3.72	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	2197	2.75	ng/ul	0.00
58) Fluorene-d10	15.72	176	15592	3.86	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	1239	1.50	ng/ul	0.00
71) Anthracene-d10	17.57	188	25106	3.91	ng/ul	0.00
79) Pyrene-d10	19.85	212	30848	3.66	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	33544	3.82	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.96	128	426351	107.03	ng/ul	98
34) 2-Methylnaphthalene	12.56	142	239246	78.63	ng/ul	99
41) 1,1'-Biphenyl	13.56	154	97967	23.60	ng/ul	94
45) Dimethylphthalate	14.17	163	9389	2.07	ng/ul#	95
48) Acenaphthylene	14.45	152	24660	4.48	ng/ul#	93
50) Acenaphthene	14.79	153	411481	111.19	ng/ul	99
54) Dibenzofuran	15.12	168	430933	78.28	ng/ul	97
59) Fluorene	15.77	166	441149	99.79	ng/ul	98
70) Phenanthrene	17.53	178	1775722m	233.15	ng/ul	
72) Anthracene	17.61	178	390711	50.58	ng/ul	98
75) Carbazole	17.87	167	132713	20.45	ng/ul	98
77) Fluoranthene	19.52	202	1080992	121.45	ng/ul	99
80) Pyrene	19.89	202	749602	68.51	ng/ul	99
83) Benzo(a)anthracene	21.73	228	191104	18.12	ng/ul	99
85) Chrysene	21.79	228	155072	15.61	ng/ul	97
88) Benzo(b)fluoranthene	23.98	252	84637	7.99	ng/ul	99
89) Benzo(k)fluoranthene	24.04	252	27185	2.67	ng/ul	98
91) Benzo(a)pyrene	24.86	252	48205	4.80	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.73	276	14902	1.25	ng/ul#	92
94) Benzo(g,h,i)perylene	29.91	276	10799m	1.10	ng/ul	

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

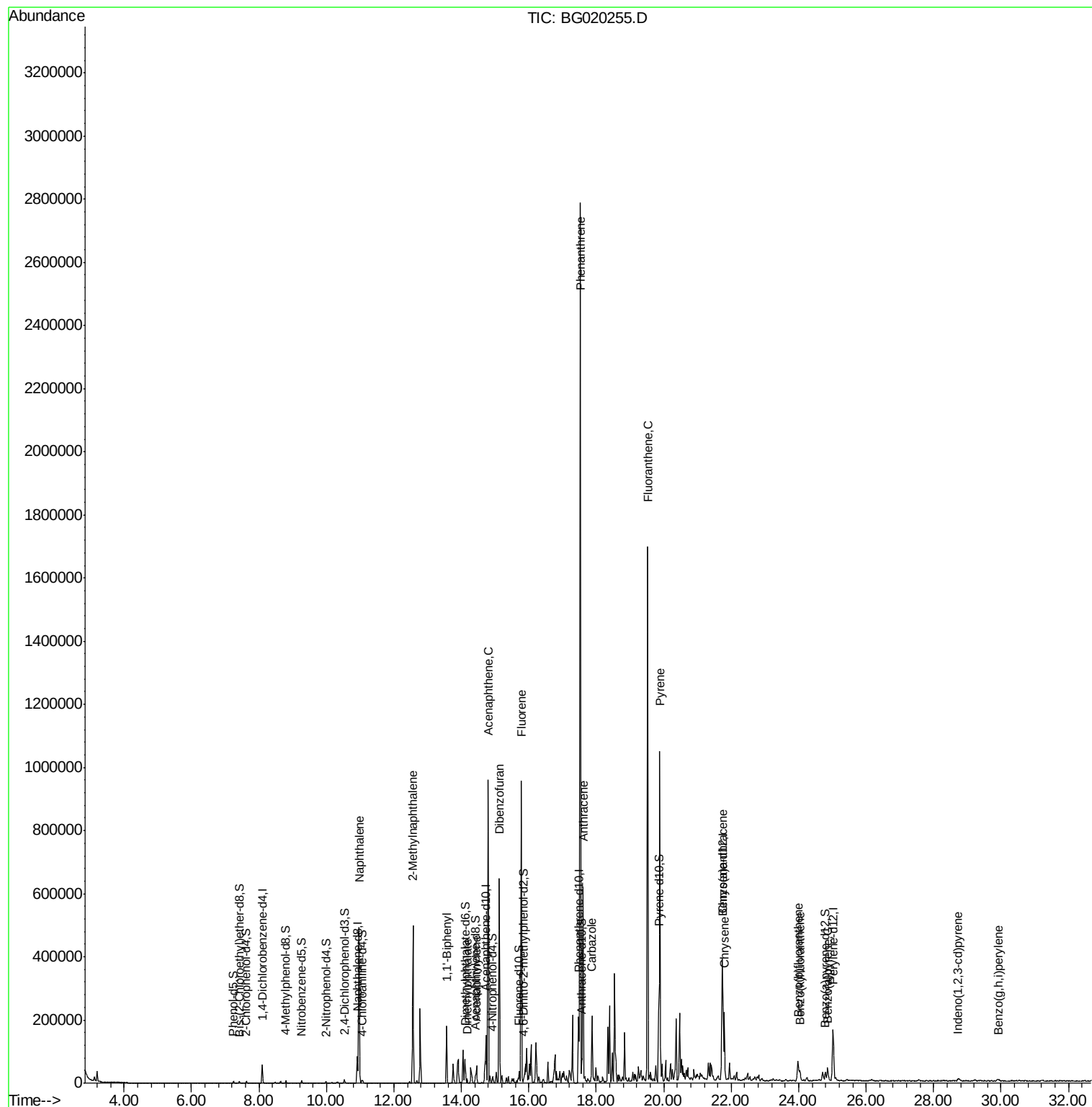
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121815\
Data File : BG020255.D
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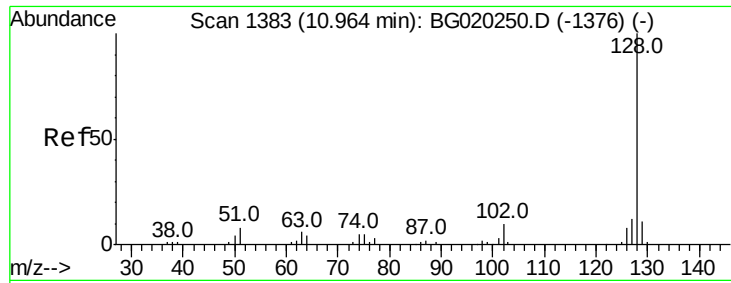
Instrument :
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ClientSampleId :
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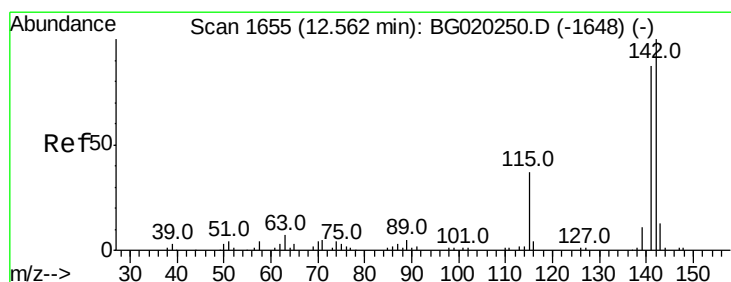
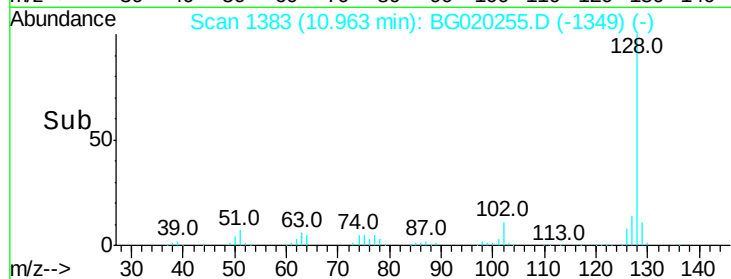
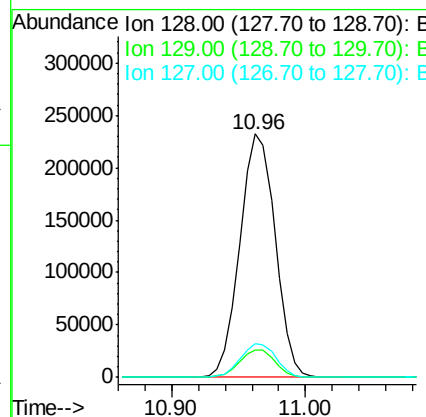
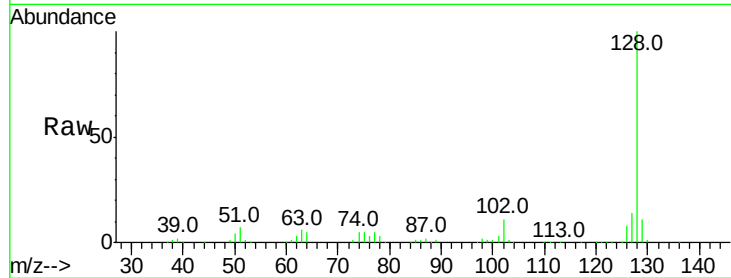
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Naphthalene
Concen: 107.03 ng/ul
RT: 10.96 min Scan# 1383
Delta R.T. -0.00 min
Lab File: BG020255.D
Acq: 17 Dec 2015 21:10

Instrument :
BNA_G
ClientSampleId :
D9N29DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.9	10.1	15.1

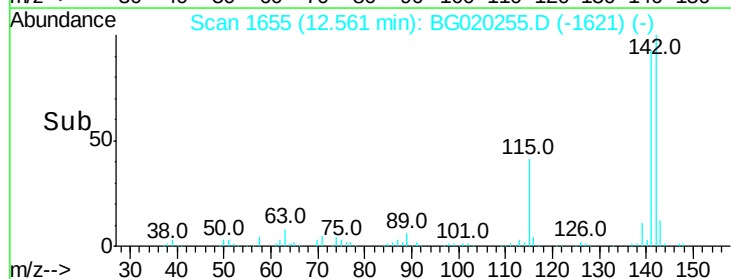
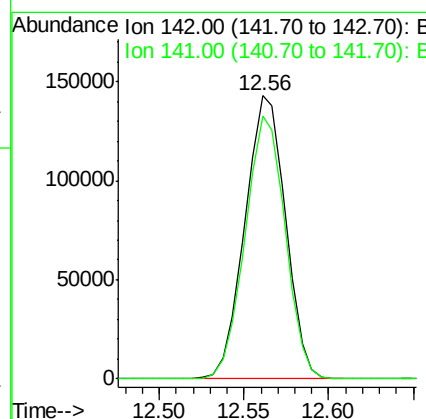
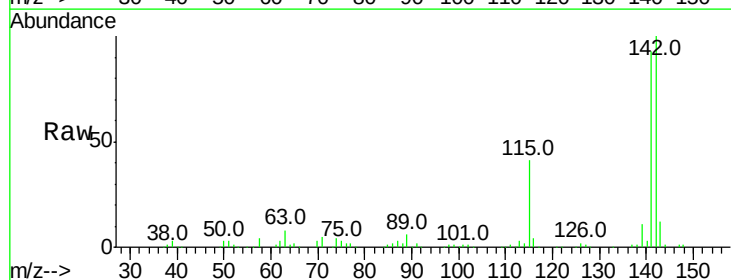
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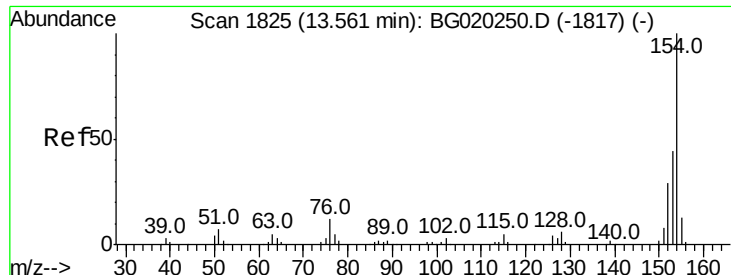
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#34
2-Methylnaphthalene
Concen: 78.63 ng/ul
RT: 12.56 min Scan# 1655
Delta R.T. -0.00 min
Lab File: BG020255.D
Acq: 17 Dec 2015 21:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	74.9	112.3





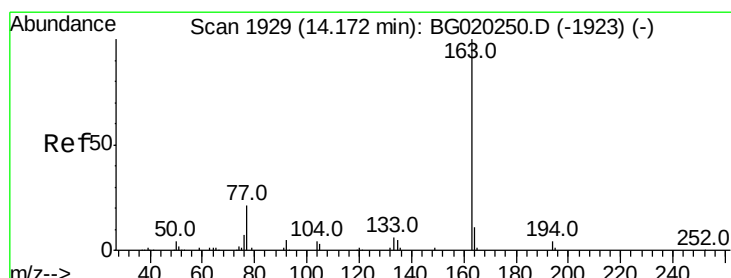
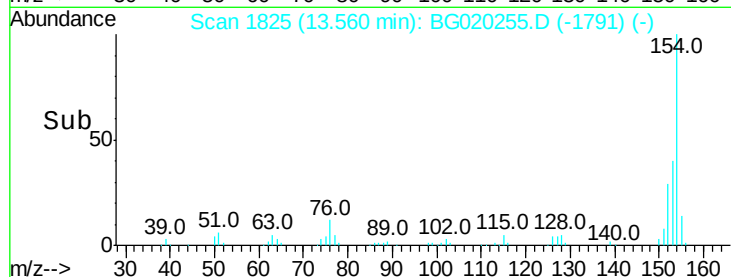
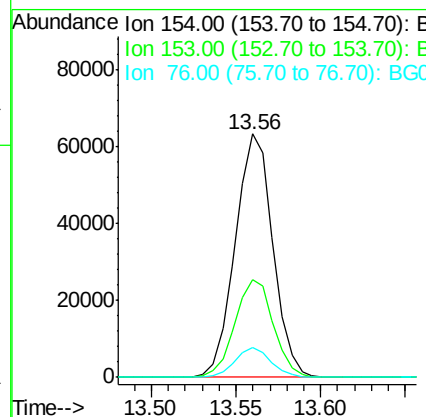
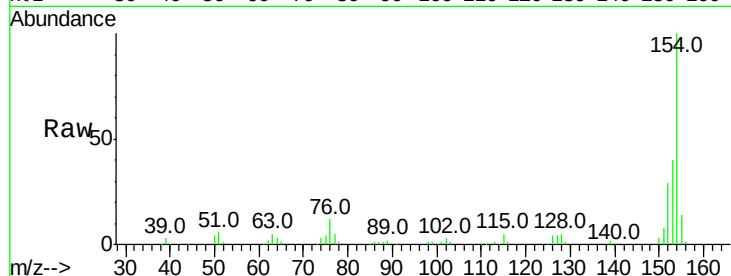
#41
 1,1'-Biphenyl
 Concen: 23.60 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BG020255.D
 Acq: 17 Dec 2015 21:10

Instrument :
 BNA_G
 ClientSampleId :
 D9N29DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.2	35.5	53.3
76	12.0	10.4	15.6

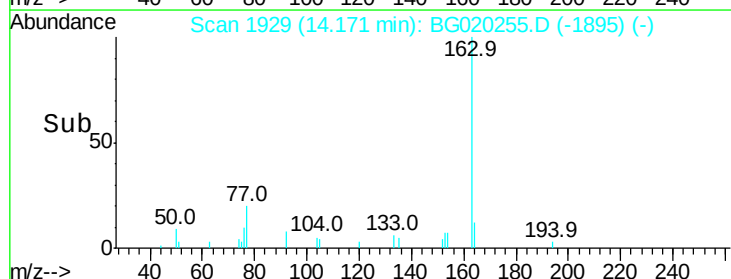
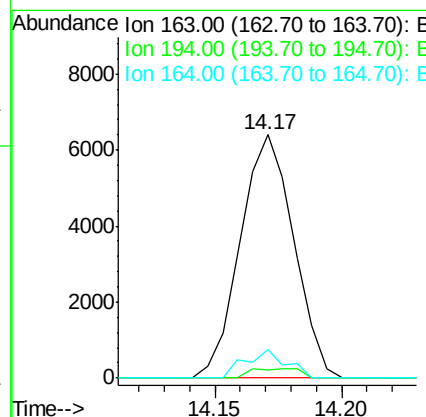
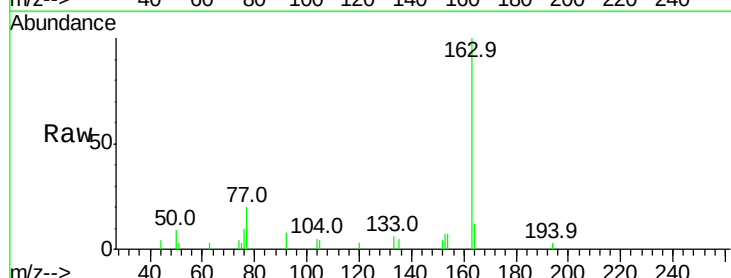
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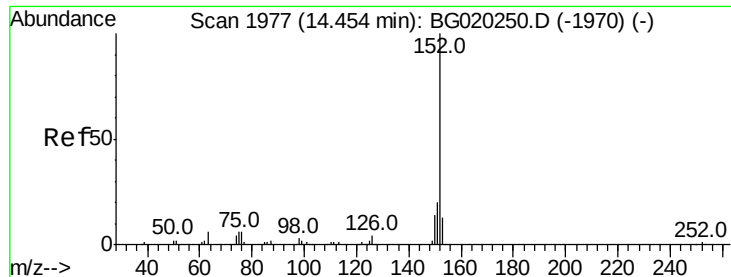
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#45
 Dimethylphthalate
 Concen: 2.07 ng/ul
 RT: 14.17 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: BG020255.D
 Acq: 17 Dec 2015 21:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.5	5.3#
164	11.6	7.7	11.5#





#48

Acenaphthylene

Concen: 4.48 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG020255.D

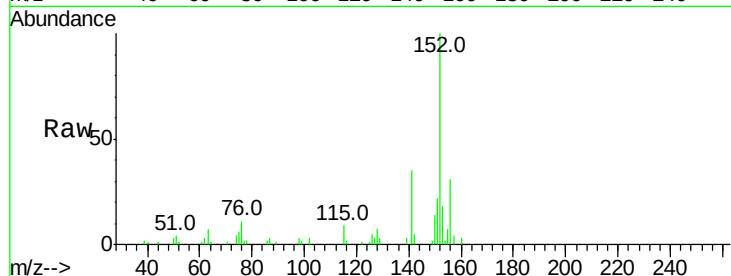
Acq: 17 Dec 2015 21:10

Instrument :

BNA_G

ClientSampleId :

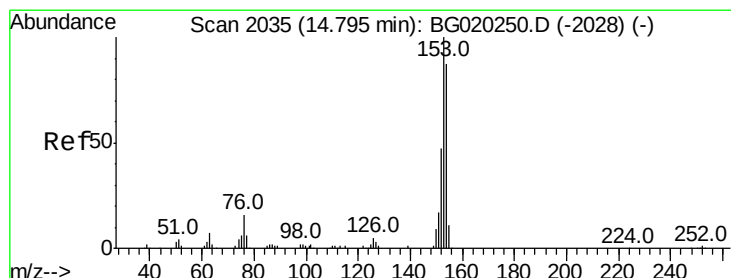
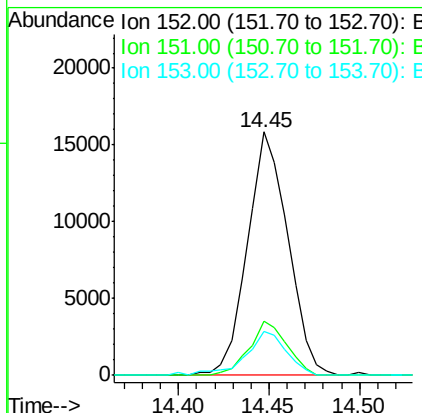
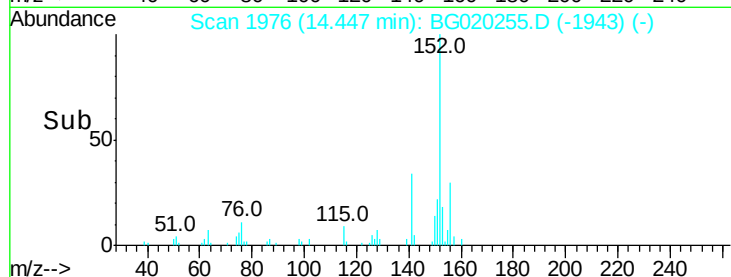
D9N29DL



Tot Ion:	152	Resp:	24660
Ion Ratio	Lower	Upper	
152	100		
151	22.1	16.4	24.6
153	17.9	10.4	15.6

Manual Integrations
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#50

Acenaphthene

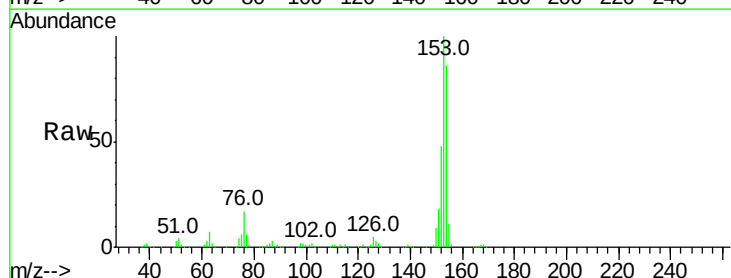
Concen: 111.19 ng/ul

RT: 14.79 min Scan# 2035

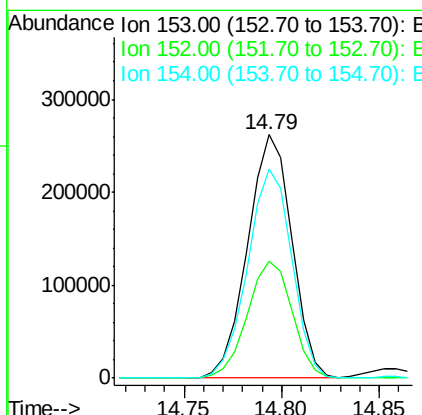
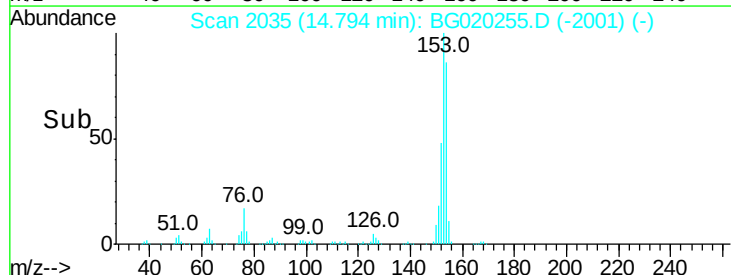
Delta R.T. -0.00 min

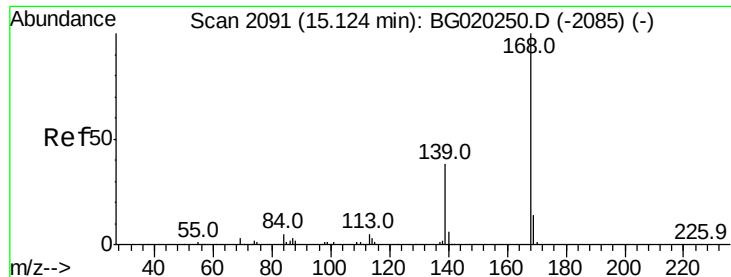
Lab File: BG020255.D

Acq: 17 Dec 2015 21:10



Tgt Ion:	153	Resp:	411481
Ion Ratio	Lower	Upper	
153	100		
152	47.8	37.6	56.4
154	85.7	67.9	101.9





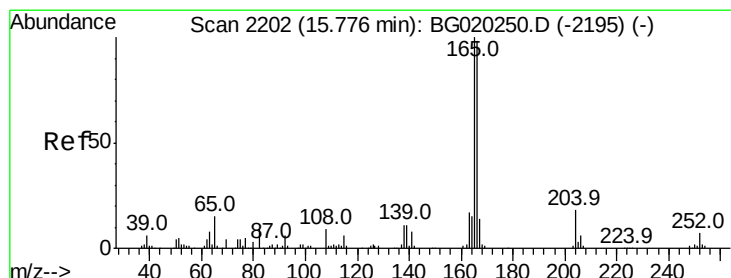
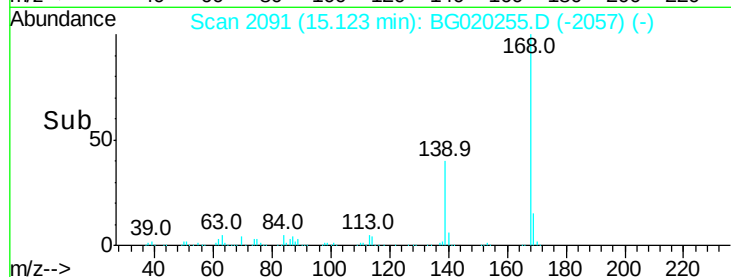
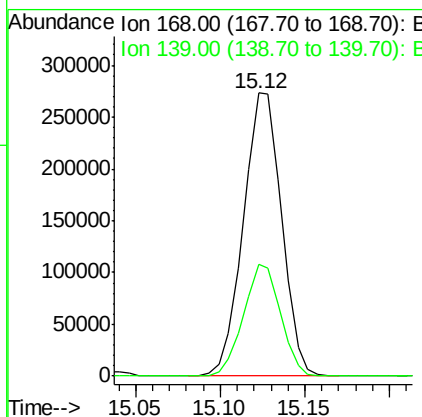
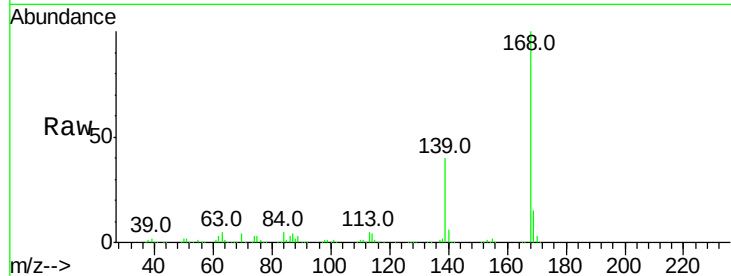
#54
Dibenzenofuran
Concen: 78.28 ng/ul
RT: 15.12 min Scan# 2091
Delta R.T. -0.00 min
Lab File: BG020255.D
Acq: 17 Dec 2015 21:10

Instrument :
BNA_G
ClientSampleId :
D9N29DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.7	30.5	45.7

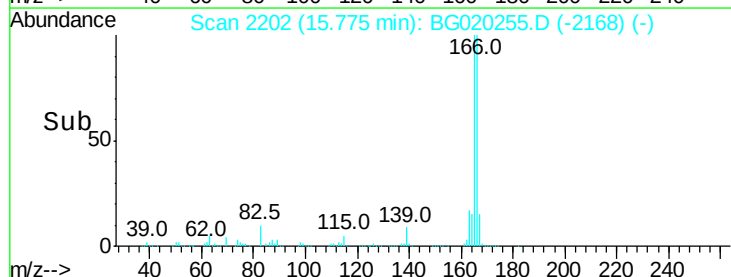
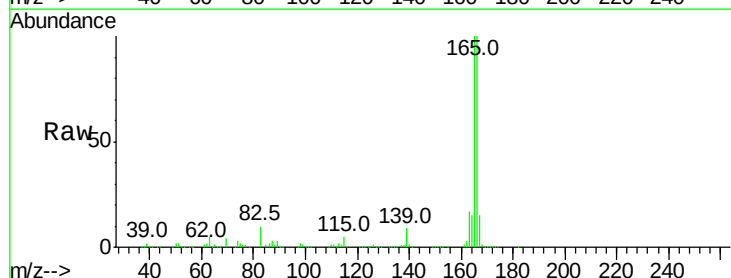
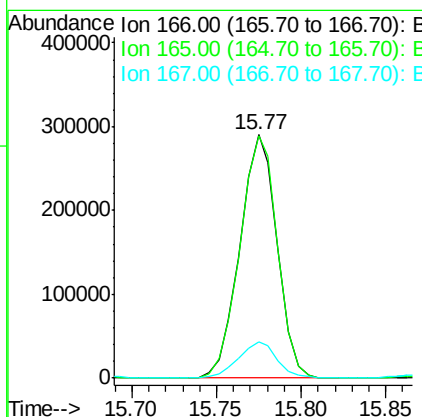
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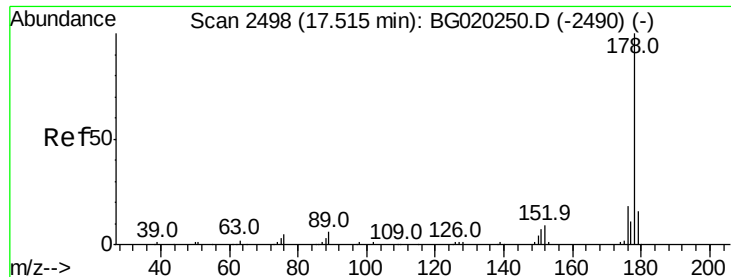
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#59
Fluorene
Concen: 99.79 ng/ul
RT: 15.77 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BG020255.D
Acq: 17 Dec 2015 21:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	81.4	122.0
167	14.7	11.2	16.8





#70

Phenanthrene

Concen: 233.15 ng/ul m

RT: 17.53 min Scan# 2500

Delta R.T. 0.01 min

Lab File: BG020255.D

Acq: 17 Dec 2015 21:10

Instrument :

BNA_G

ClientSampleId :

D9N29DL

Tot Ion:178 Resp: 1775722

Ion Ratio Lower Upper

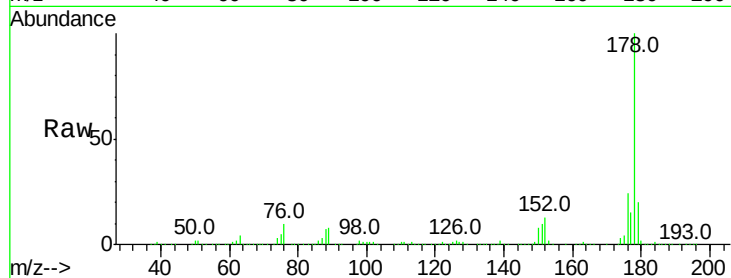
178 100

179 20.0 12.9 19.3#

176 24.2 15.3 22.9#

Manual Integrations
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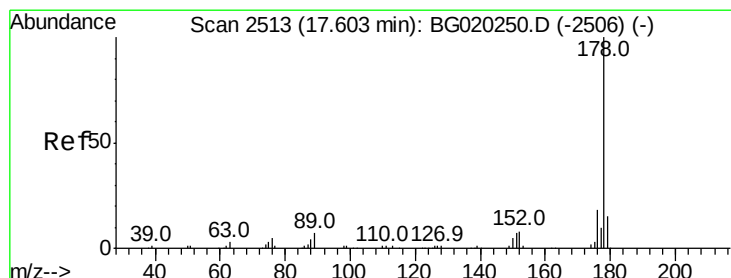
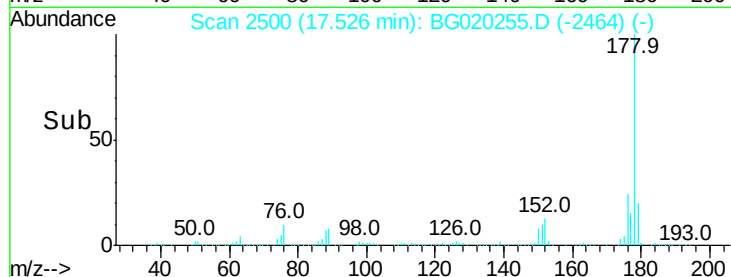
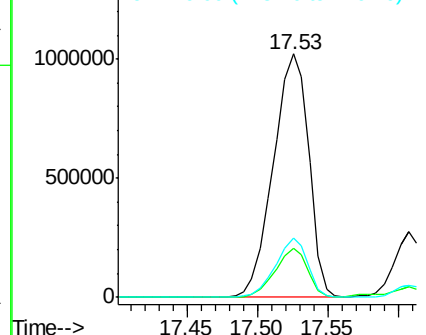
MMdadoda
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 50.58 ng/ul

RT: 17.61 min Scan# 2514

Delta R.T. 0.00 min

Lab File: BG020255.D

Acq: 17 Dec 2015 21:10

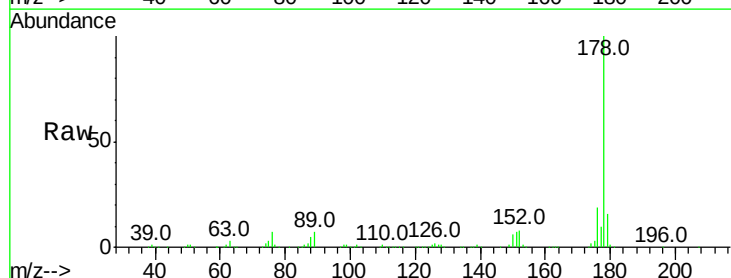
Tgt Ion:178 Resp: 390711

Ion Ratio Lower Upper

178 100

179 16.4 12.3 18.5

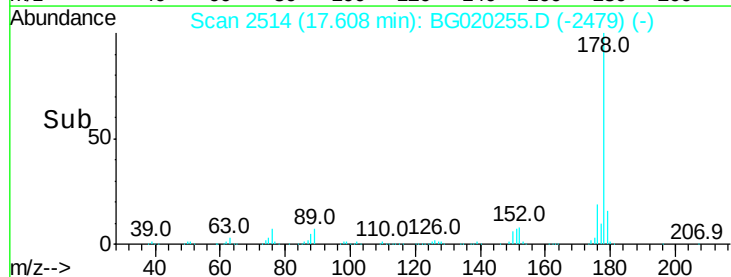
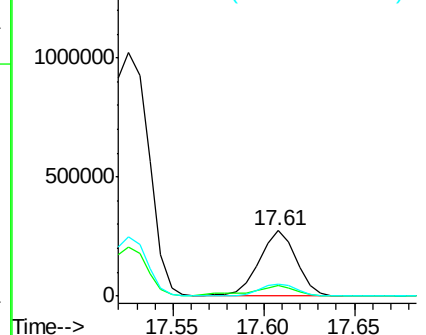
176 18.7 14.3 21.5

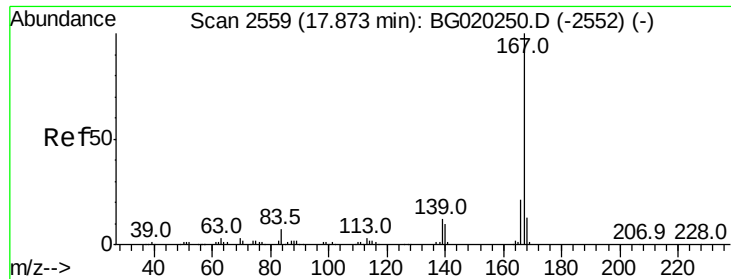


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 20.45 ng/ul

RT: 17.87 min Scan# 2559

Delta R.T. -0.00 min

Lab File: BG020255.D

Acq: 17 Dec 2015 21:10

Instrument :

BNA_G

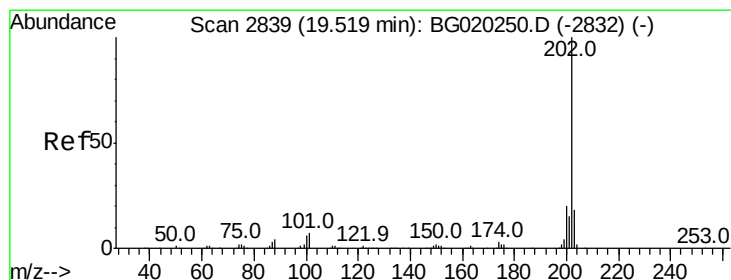
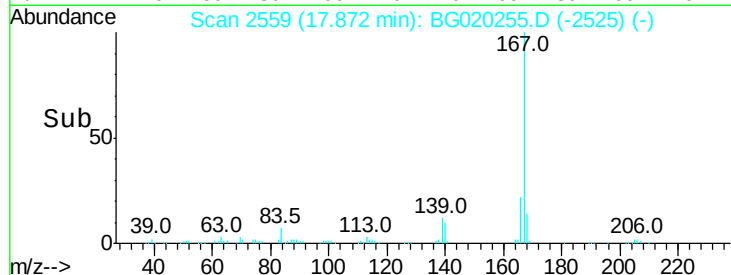
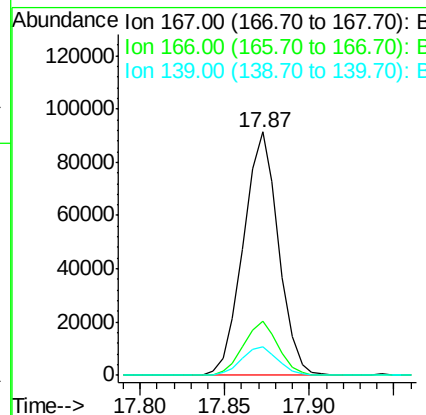
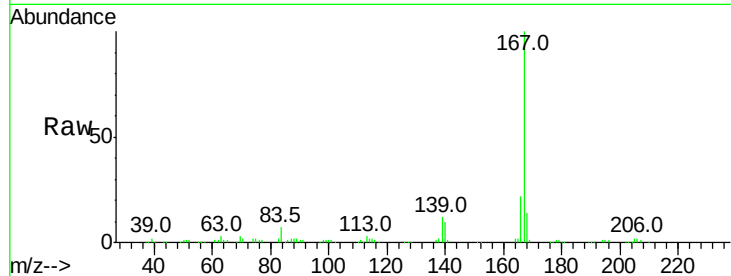
ClientSampleId :

D9N29DL

Tot Ion:	167	Resp:	132713
Ion Ratio	Lower	Upper	
167	100		
166	22.4	17.0	25.6
139	11.7	10.1	15.1

Manual Integrations
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#77

Fluoranthene

Concen: 121.45 ng/ul

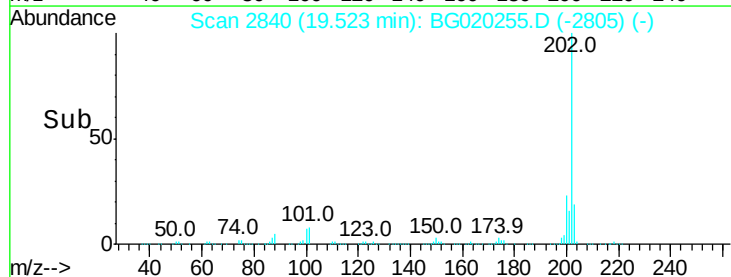
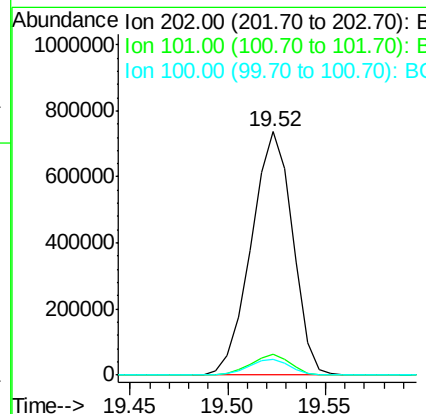
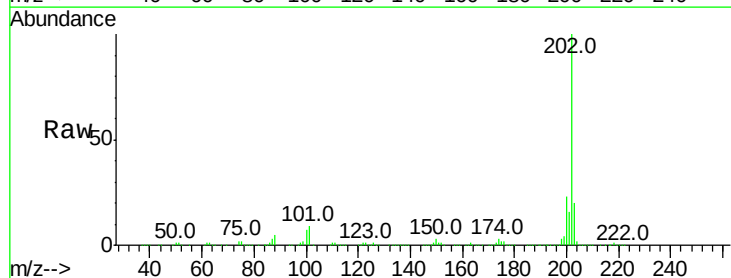
RT: 19.52 min Scan# 2840

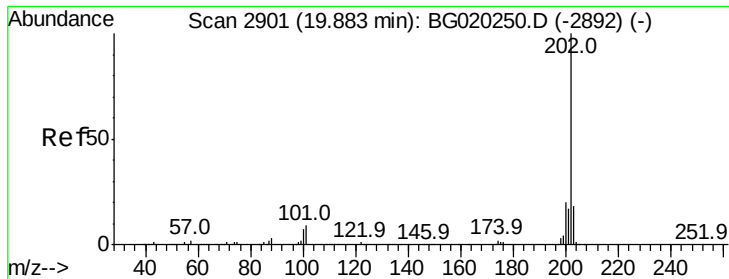
Delta R.T. 0.00 min

Lab File: BG020255.D

Acq: 17 Dec 2015 21:10

Tgt Ion:	202	Resp:	1080992
Ion Ratio	Lower	Upper	
202	100		
101	8.6	6.2	9.4
100	6.6	5.1	7.7





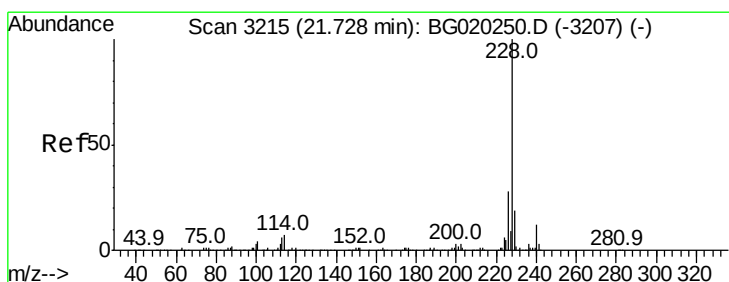
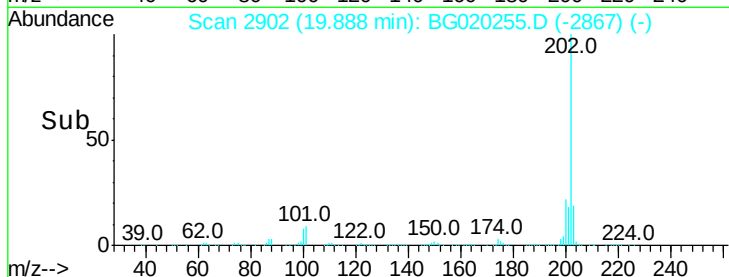
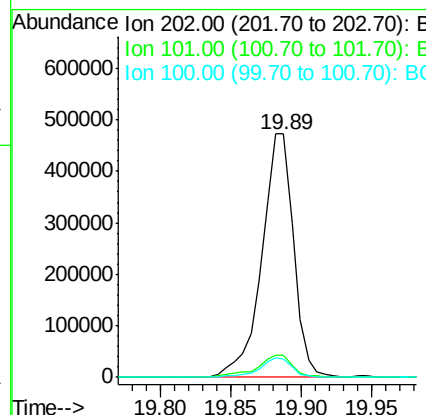
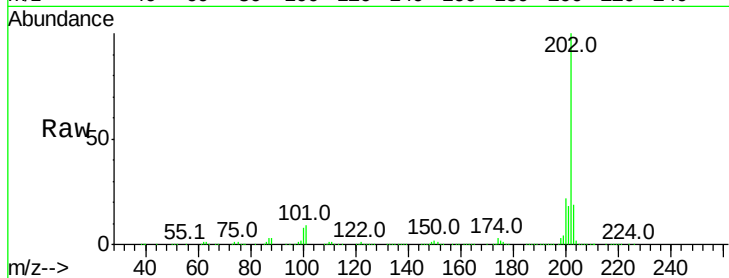
#80
Pvrene
Concen: 68.51 ng/ul
RT: 19.89 min Scan# 2902
Delta R.T. 0.00 min
Lab File: BG020255.D
Acq: 17 Dec 2015 21:10

Instrument :
BNA_G
ClientSampleId :
D9N29DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.9	7.0	10.4
100	7.6	6.4	9.6

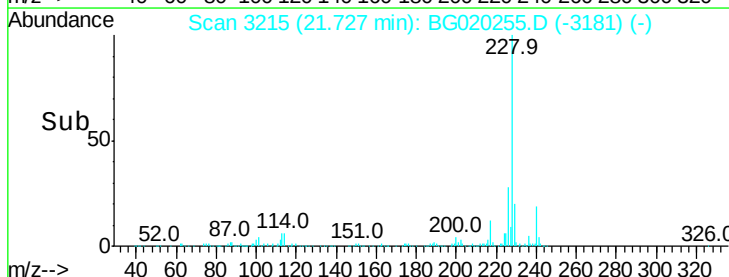
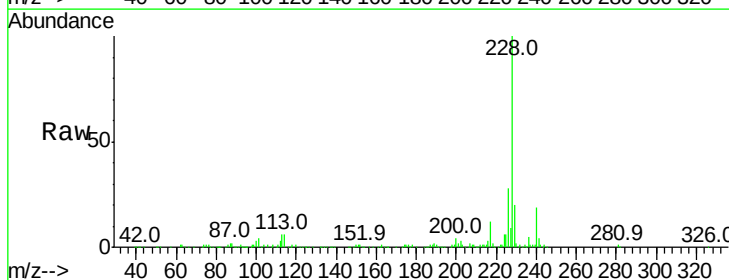
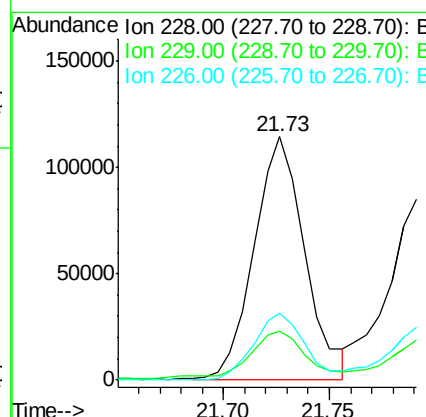
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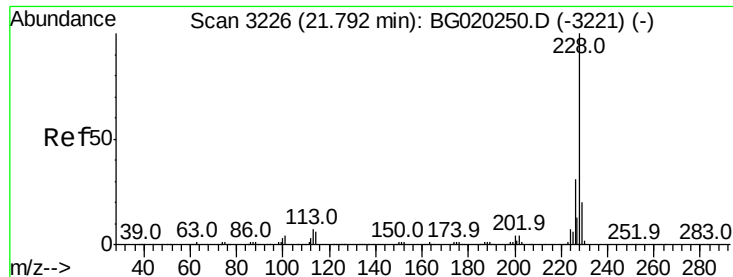
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#83
Benzo(a)anthracene
Concen: 18.12 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. -0.00 min
Lab File: BG020255.D
Acq: 17 Dec 2015 21:10

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.4	15.8	23.8
226	27.5	21.8	32.6





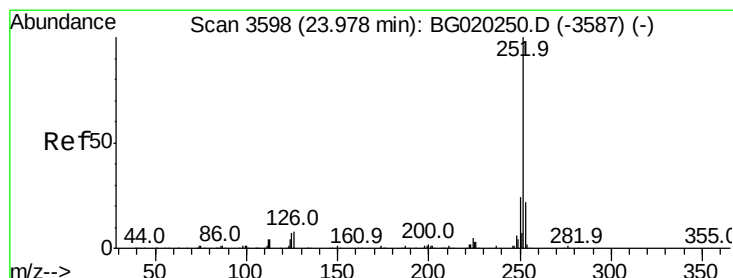
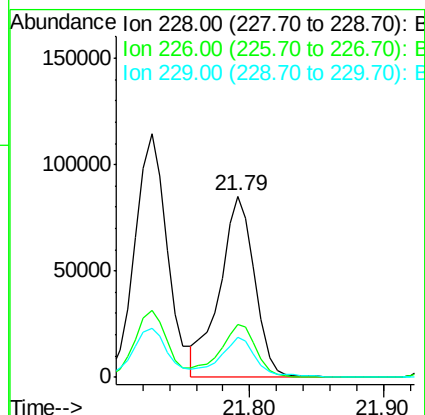
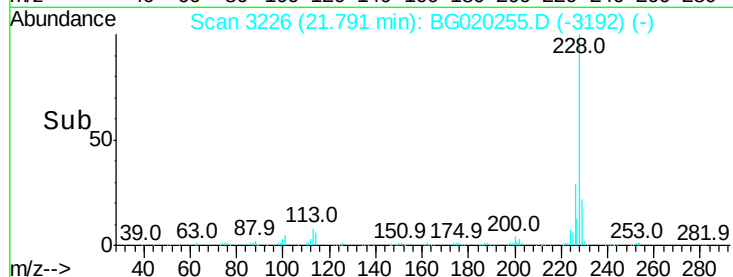
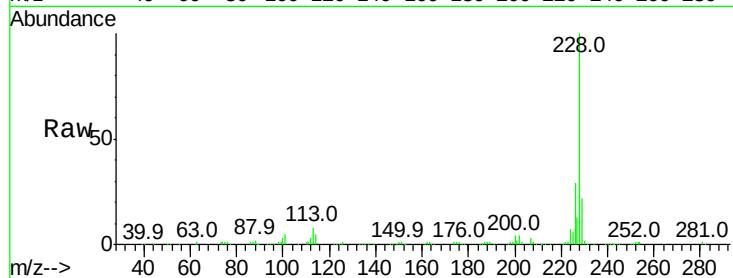
#85
Chrysene
Concen: 15.61 ng/ul
RT: 21.79 min Scan# 3226
Delta R.T. -0.00 min
Lab File: BG020255.D
Acq: 17 Dec 2015 21:10

Instrument :
BNA_G
ClientSampleId :
D9N29DL

Tot Ion:	228	Resp:	155072
Ion Ratio	Lower	Upper	
228	100		
226	29.0	23.9	35.9
229	22.0	15.6	23.4

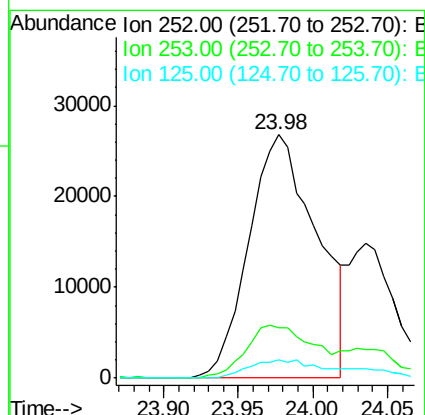
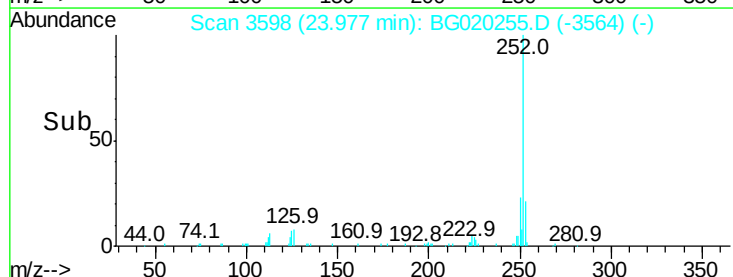
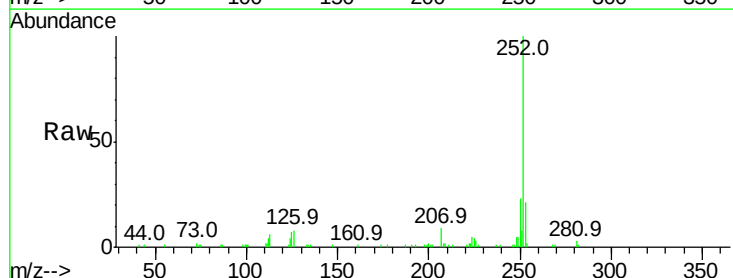
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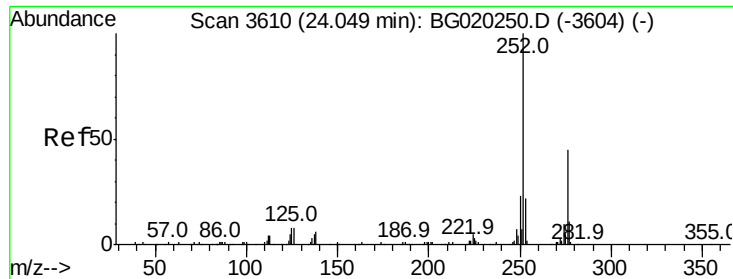
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#88
Benzo(b)fluoranthene
Concen: 7.99 ng/ul
RT: 23.98 min Scan# 3598
Delta R.T. -0.00 min
Lab File: BG020255.D
Acq: 17 Dec 2015 21:10

Tgt Ion:	252	Resp:	84637
Ion Ratio	Lower	Upper	
252	100		
253	20.7	16.7	25.1
125	7.5	6.2	9.2





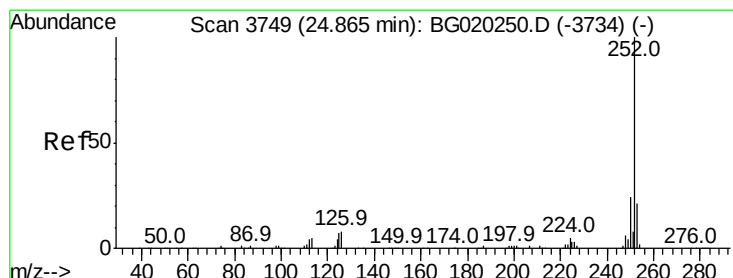
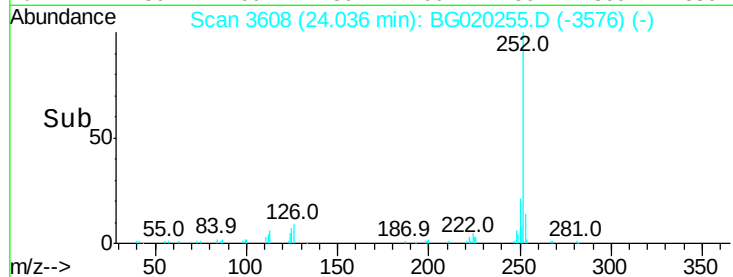
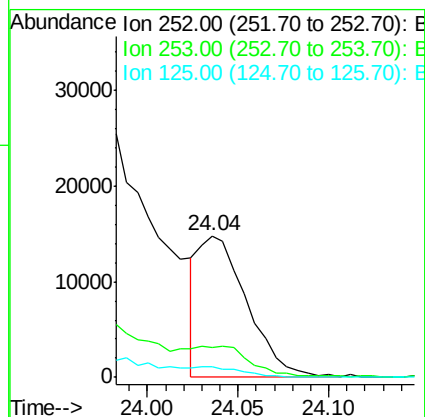
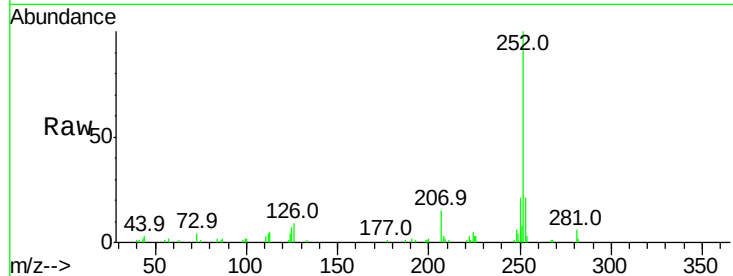
#89
Benzo(k)fluoranthene
Concen: 2.67 ng/ul
RT: 24.04 min Scan# 3608
Delta R.T. -0.01 min
Lab File: BG020255.D
Acq: 17 Dec 2015 21:10

Instrument :
BNA_G
ClientSampleId :
D9N29DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.9	26.9
125	7.4	5.8	8.6

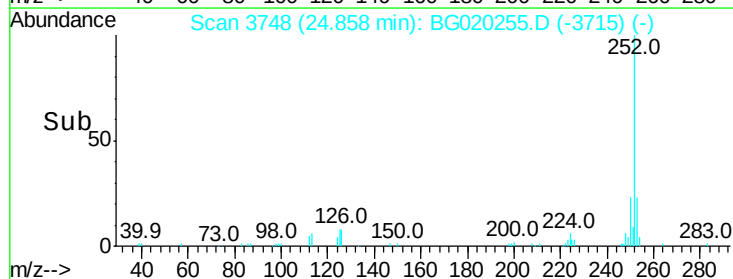
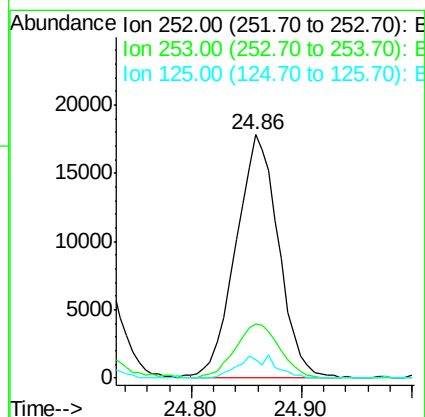
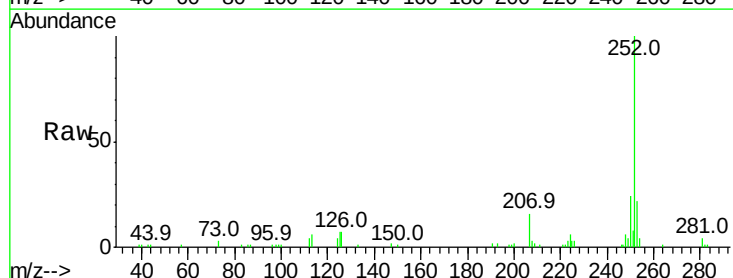
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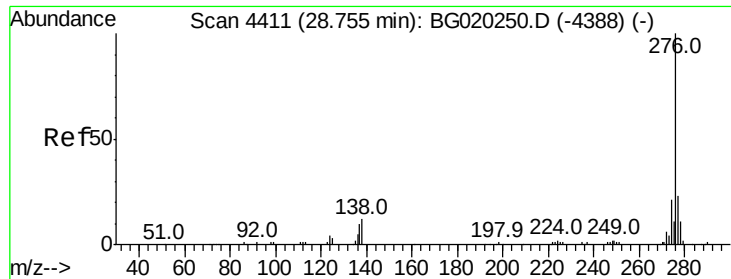
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#91
Benzo(a)pyrene
Concen: 4.80 ng/ul
RT: 24.86 min Scan# 3748
Delta R.T. -0.01 min
Lab File: BG020255.D
Acq: 17 Dec 2015 21:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.4
125	7.4	6.2	9.4





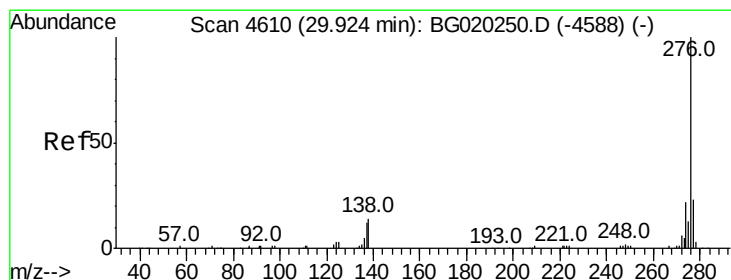
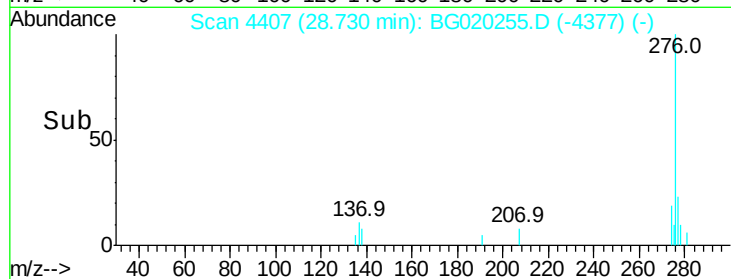
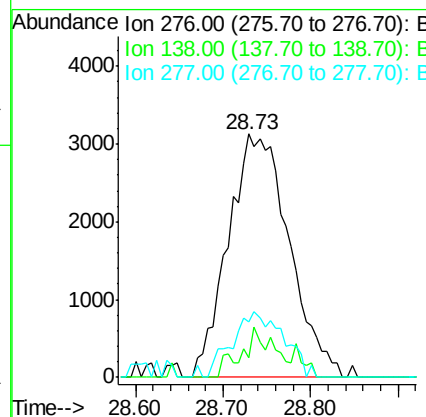
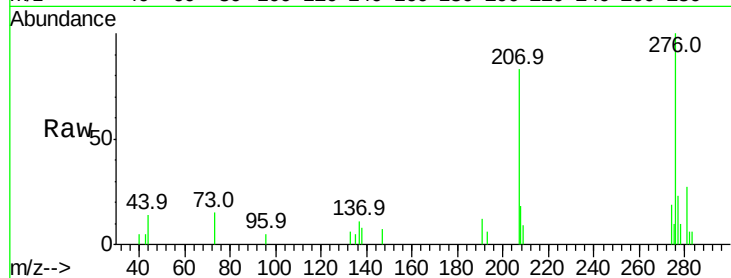
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 1.25 ng/ul
 RT: 28.73 min Scan# 4407
 Delta R.T. -0.02 min
 Lab File: BG020255.D
 Acq: 17 Dec 2015 21:10

Instrument :
 BNA_G
 ClientSampleId :
 D9N29DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	8.0	11.4	17.0
277	22.9	17.4	26.0

Manual Integrations
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#94
 Benzo(g,h,i)perylene
 Concen: 1.10 ng/ul m
 RT: 29.91 min Scan# 4607
 Delta R.T. -0.02 min
 Lab File: BG020255.D
 Acq: 17 Dec 2015 21:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.3	10.8	16.2
277	23.1	19.9	29.9

