

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
 Data File : BG020536.D
 Acq On : 26 Dec 2015 12:13
 Operator : UM/SJ
 Sample : G4802-15
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D90

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:06:54 PM

Quant Time: Dec 28 06:50:44 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 06:13:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	18383	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	79932	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	57892	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	142649	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	179820	20.00	ng/ul	0.01
86) Perylene-d12	25.01	264	178820	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1047	3.14	ng/uL	0.00
5) Phenol-d5	7.24	99	23326	15.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	15078	17.25	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	19830	17.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	21089	16.99	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	10628	16.96	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	12654	17.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	22962	16.66	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	15505	9.84	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	75244	15.77	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	96812	17.51	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	7787	9.79	ng/ul	0.00
58) Fluorene-d10	15.70	176	75651	17.53	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	8524	9.02	ng/ul	0.01
71) Anthracene-d10	17.56	188	122310	18.31	ng/ul	0.00
79) Pyrene-d10	19.84	212	142733	18.33	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.80	264	164889	18.24	ng/ul	0.04

Target Compounds

					Ovalue
28) Naphthalene	10.94	128	29254	6.88 ng/ul	98
34) 2-Methylnaphthalene	12.54	142	17741	5.64 ng/ul	93
41) 1,1'-Biphenyl	13.55	154	5364	1.20 ng/ul#	92
45) Dimethylphthalate	14.16	163	25747	5.31 ng/ul	99
48) Acenaphthylene	14.44	152	60524	10.42 ng/ul	100
50) Acenaphthene	14.77	153	21568	5.49 ng/ul	99
59) Fluorene	15.76	166	27691	5.85 ng/ul	95
70) Phenanthrene	17.51	178	512366	64.55 ng/ul	99
72) Anthracene	17.59	178	104681	12.90 ng/ul	100
75) Carbazole	17.86	167	7182	1.05 ng/ul#	93
77) Fluoranthene	19.52	202	790680	79.22 ng/ul	99
80) Pyrene	19.88	202	1256510	123.56 ng/ul	98
83) Benzo(a)anthracene	21.72	228	723090	68.47 ng/ul#	89
85) Chrysene	21.79	228	885672	88.05 ng/ul	93
88) Benzo(b)fluoranthene	23.99	252	923694	86.06 ng/ul	96
89) Benzo(k)fluoranthene	24.04	252	290393m	27.99 ng/ul	
91) Benzo(a)pyrene	24.88	252	710368	68.86 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.76	276	396594m	32.10 ng/ul	
93) Dibenzo(a,h)anthracene	28.80	278	122976	11.99 ng/ul	96
94) Benzo(g,h,i)perylene	29.95	276	399476	39.36 ng/ul	98

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

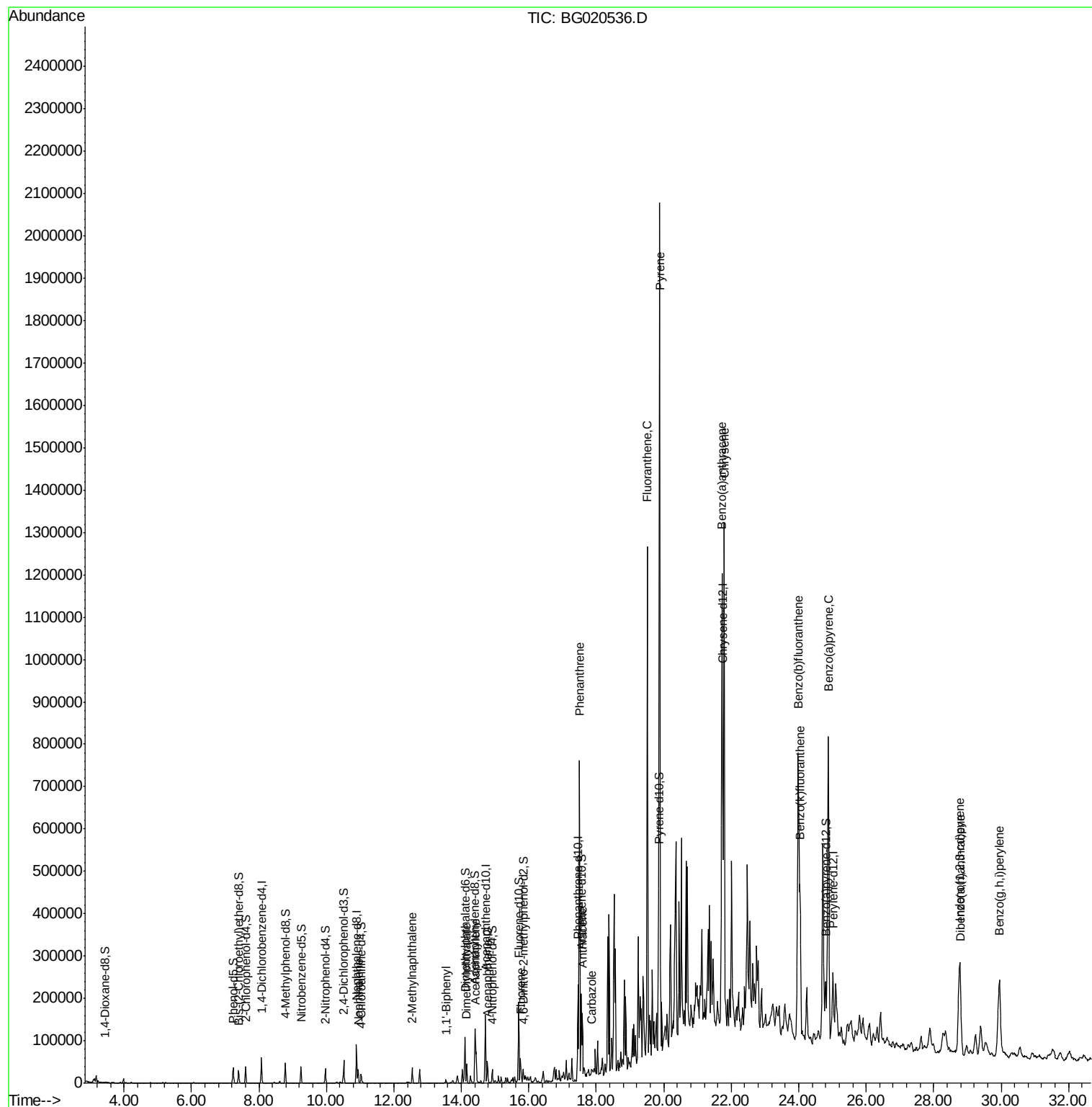
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020536.D
Acq On : 26 Dec 2015 12:13
Operator : UM/SJ
Sample : G4802-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

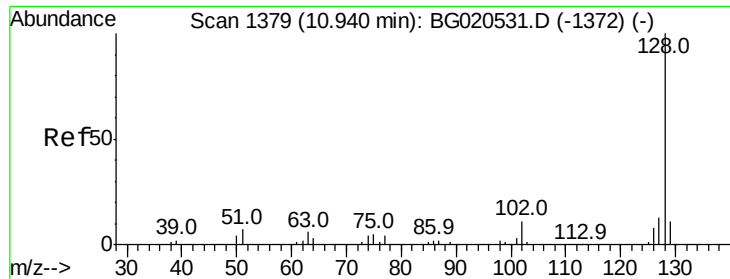
Instrument :
BNA_G
ClientSampleId :
G9D90

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Quant Time: Dec 28 06:50:44 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 06:13:05 2015
Response via : Initial Calibration





#28

Naphthalene

Concen: 6.88 ng/ul

RT: 10.94 min Scan# 1379

Delta R.T. 0.00 min

Lab File: BG020536.D

Acq: 26 Dec 2015 12:13

Instrument :

BNA_G

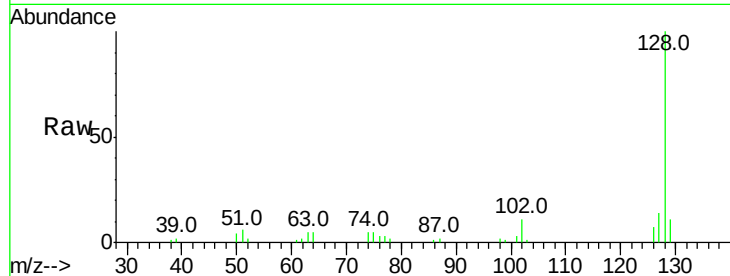
ClientSampleId :

G9D90

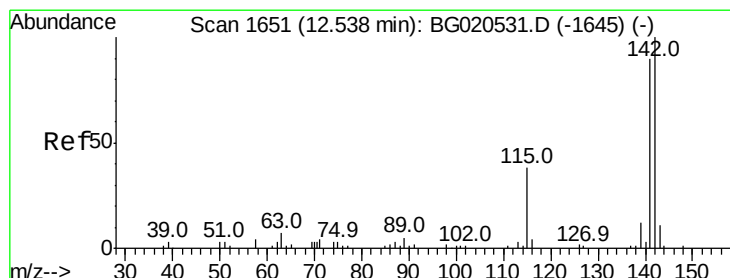
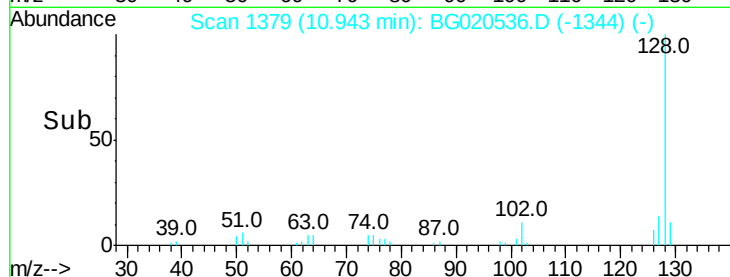
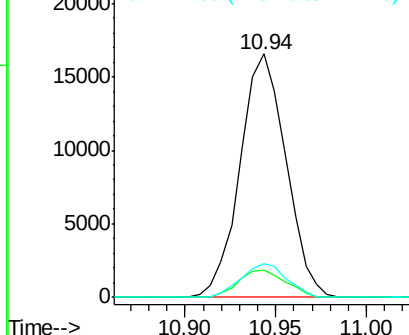
Tot Ion:	128	Resp:	29254
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.6	12.8
127	13.7	10.1	15.1

Manual Integrations
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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: 5.64 ng/ul

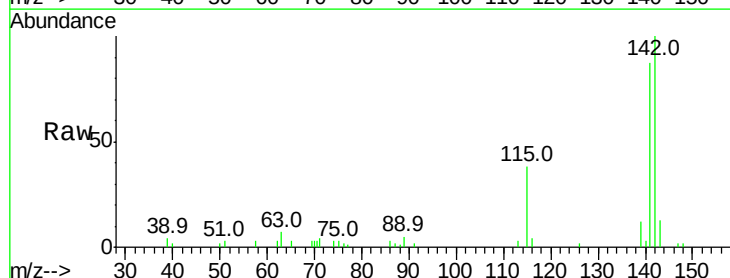
RT: 12.54 min Scan# 1651

Delta R.T. 0.00 min

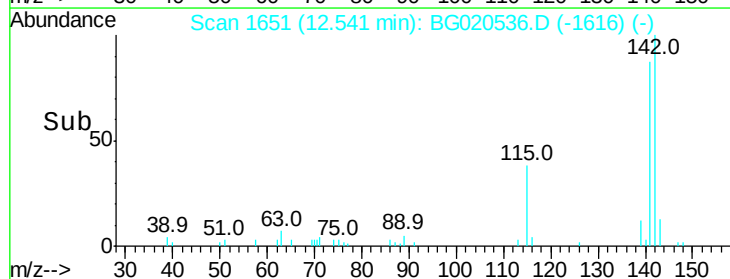
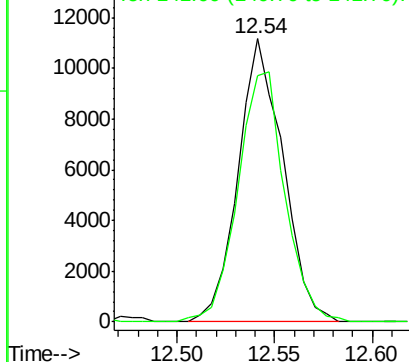
Lab File: BG020536.D

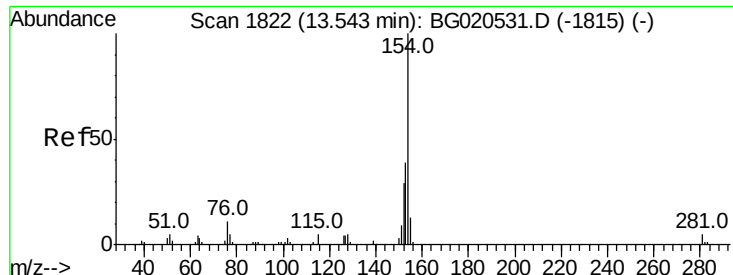
Acq: 26 Dec 2015 12:13

Tgt Ion:	142	Resp:	17741
Ion Ratio	Lower	Upper	
142	100		
141	87.2	74.9	112.3



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





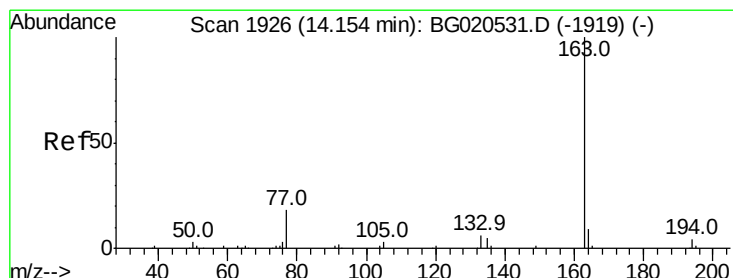
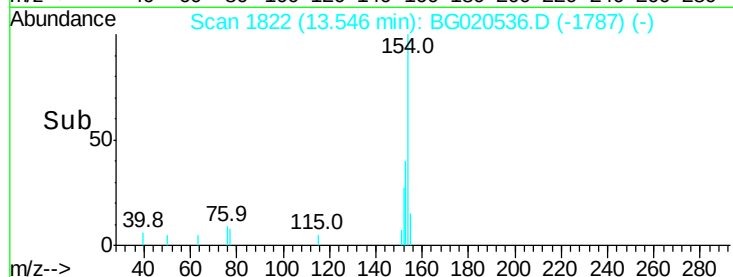
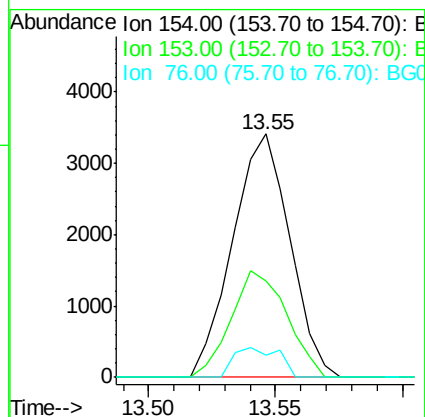
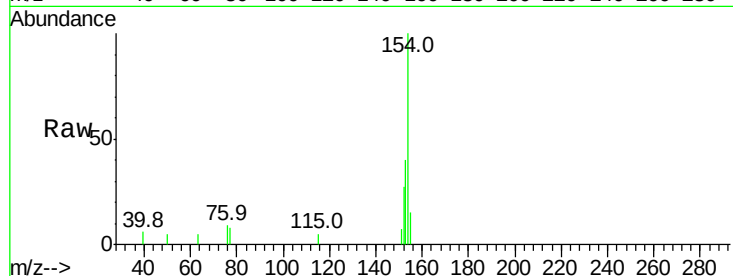
#41
1,1'-Biphenyl
Concen: 1.20 ng/ul
RT: 13.55 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BG020536.D
Acq: 26 Dec 2015 12:13

Instrument :
BNA_G
ClientSampleId :
G9D90

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.7	35.5	53.3
76	9.4	10.4	15.6

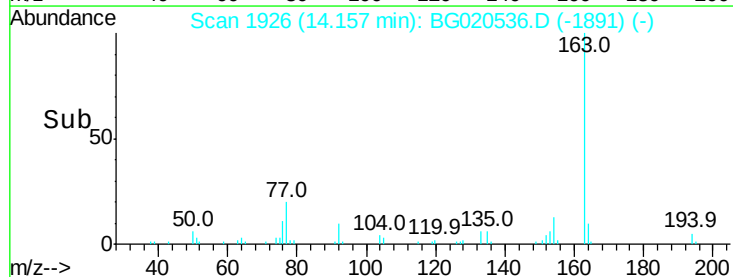
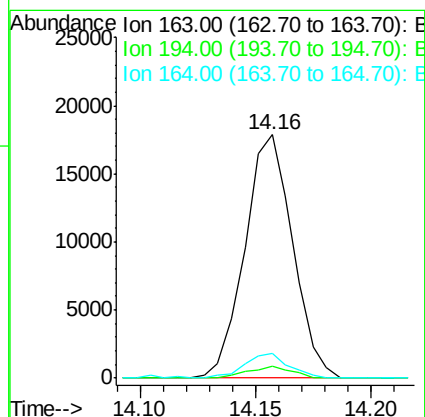
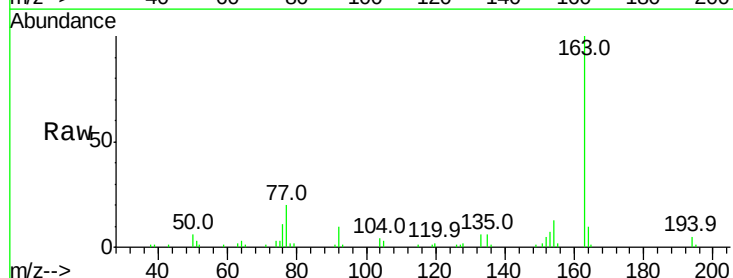
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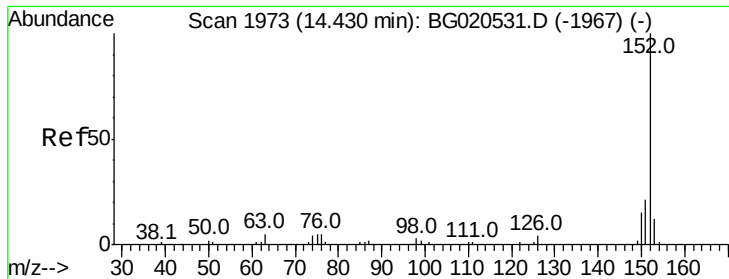
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#45
Dimethylphthalate
Concen: 5.31 ng/ul
RT: 14.16 min Scan# 1926
Delta R.T. 0.00 min
Lab File: BG020536.D
Acq: 26 Dec 2015 12:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.5	5.3
164	10.0	7.7	11.5





#48

Acenaphthylene

Concen: 10.42 ng/ul

RT: 14.44 min Scan# 1974

Delta R.T. 0.01 min

Lab File: BG020536.D

Acq: 26 Dec 2015 12:13

Instrument :

BNA_G

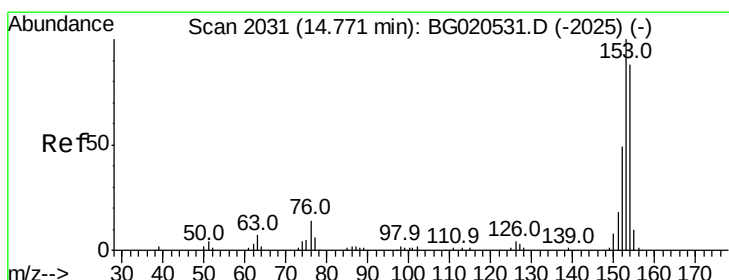
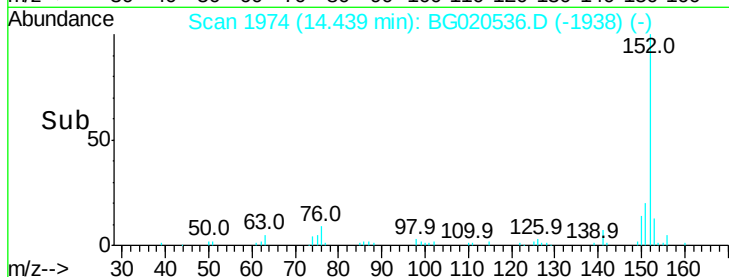
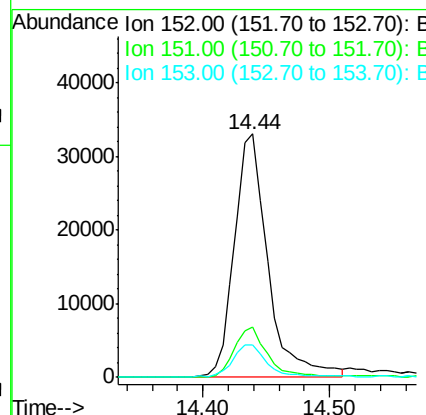
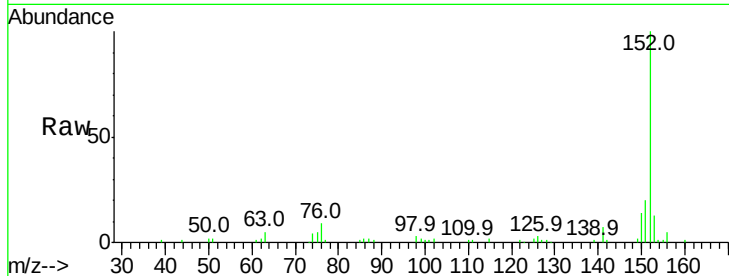
ClientSampleId :

G9D90

Tot Ion:	152	Resp:	60524
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.4	24.6
153	13.4	10.4	15.6

Manual Integrations
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#50

Acenaphthene

Concen: 5.49 ng/ul

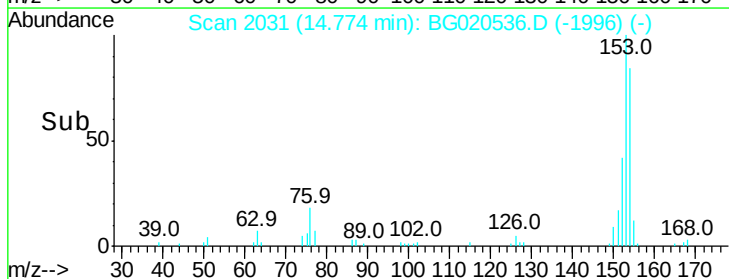
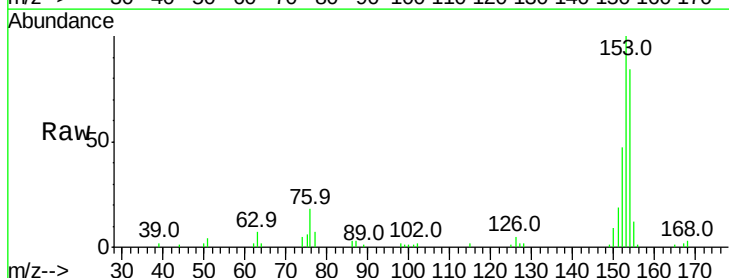
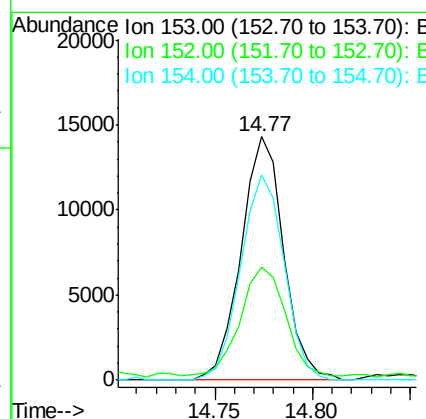
RT: 14.77 min Scan# 2031

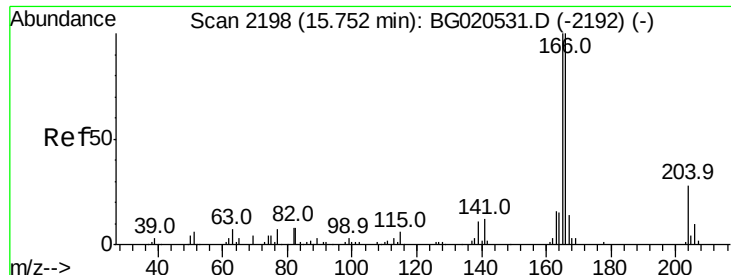
Delta R.T. 0.00 min

Lab File: BG020536.D

Acq: 26 Dec 2015 12:13

Tgt Ion:	153	Resp:	21568
Ion Ratio	Lower	Upper	
153	100		
152	46.6	37.6	56.4
154	84.1	67.9	101.9





#59

Fluorene

Concen: 5.85 ng/ul

RT: 15.76 min Scan# 2198

Delta R.T. 0.00 min

Lab File: BG020536.D

Acq: 26 Dec 2015 12:13

Instrument :

BNA_G

ClientSampleId :

G9D90

Tot Ion:166 Resp: 27691

Ion Ratio Lower Upper

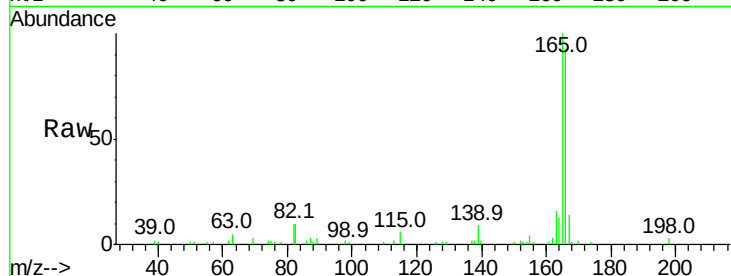
166 100

165 107.0 81.4 122.0

167 14.4 11.2 16.8

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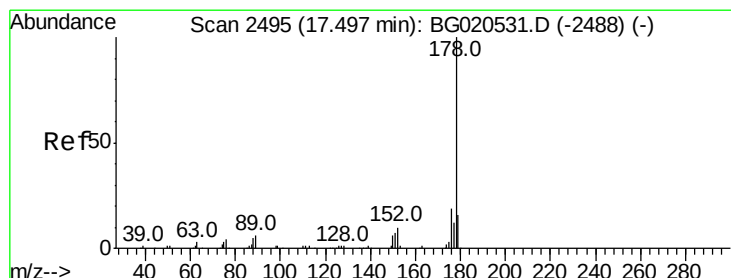
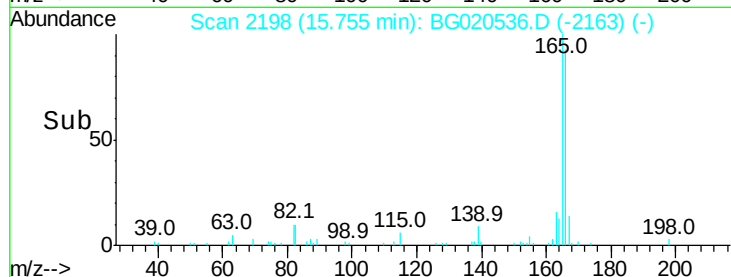
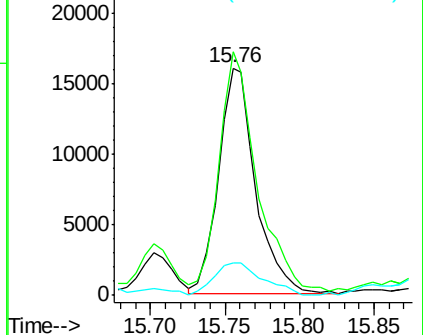
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 64.55 ng/ul

RT: 17.51 min Scan# 2496

Delta R.T. 0.01 min

Lab File: BG020536.D

Acq: 26 Dec 2015 12:13

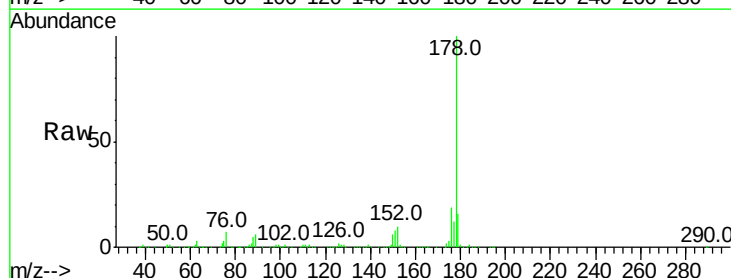
Tgt Ion:178 Resp: 512366

Ion Ratio Lower Upper

178 100

179 16.2 12.9 19.3

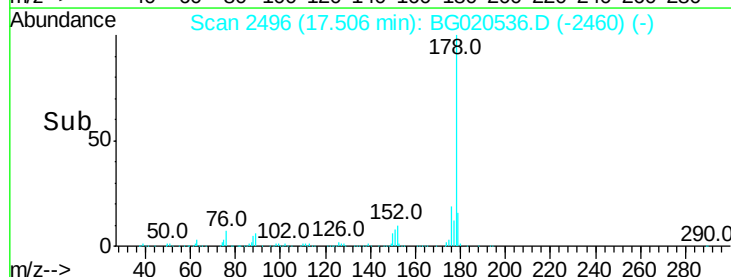
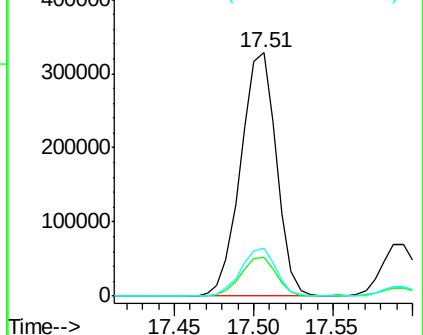
176 19.5 15.3 22.9

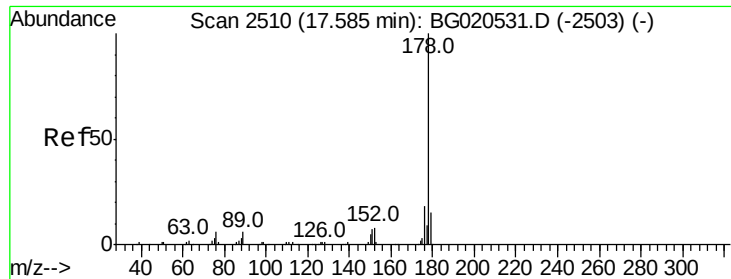


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 12.90 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. 0.01 min

Lab File: BG020536.D

Acq: 26 Dec 2015 12:13

Instrument :

BNA_G

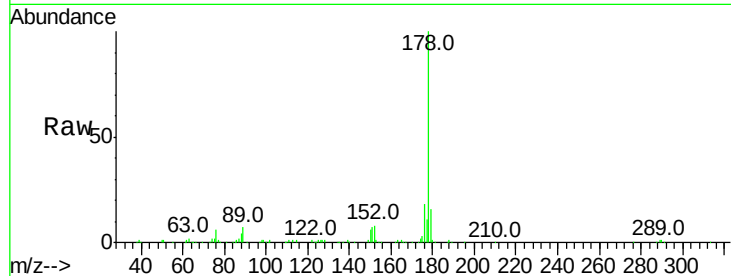
ClientSampleId :

G9D90

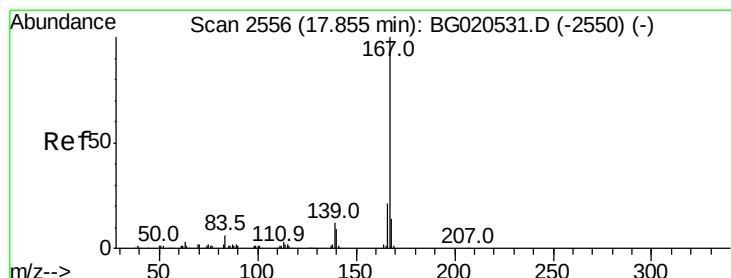
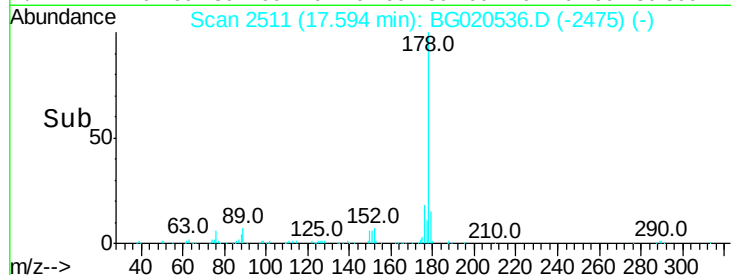
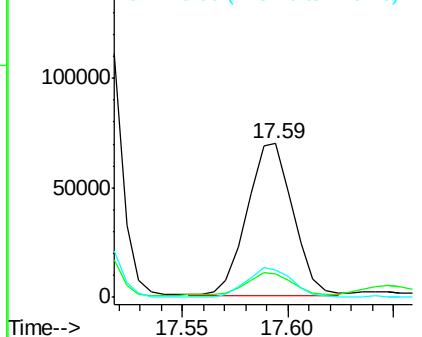
Tot Ion:	178	Resp:	104681
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.3	18.5
176	18.1	14.3	21.5

Manual Integrations
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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



#75

Carbazole

Concen: 1.05 ng/ul

RT: 17.86 min Scan# 2556

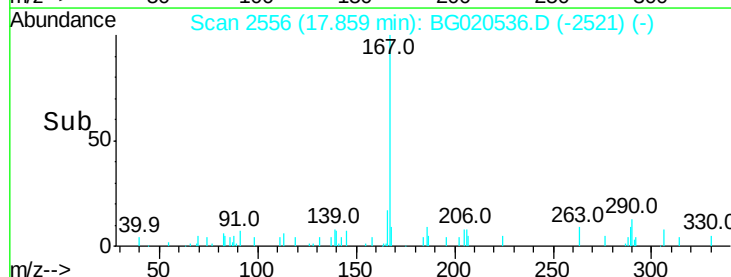
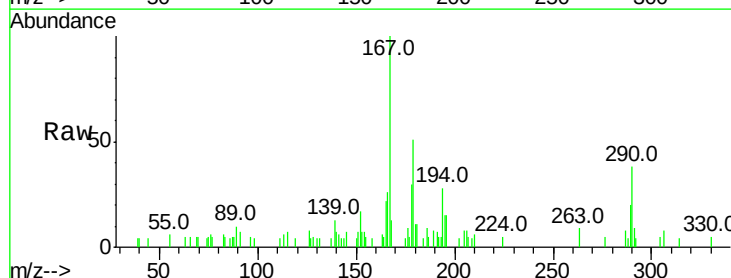
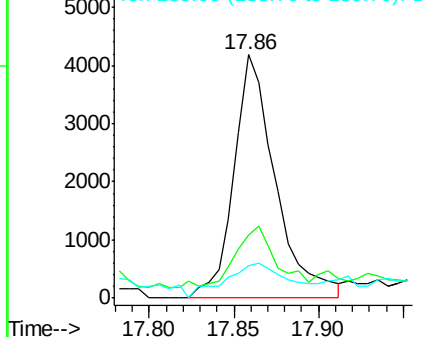
Delta R.T. 0.00 min

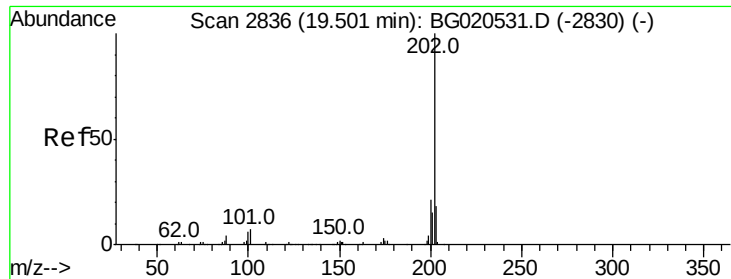
Lab File: BG020536.D

Acq: 26 Dec 2015 12:13

Tgt Ion:	167	Resp:	7182
Ion Ratio	Lower	Upper	
167	100		
166	25.9	17.0	25.6#
139	13.4	10.1	15.1

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





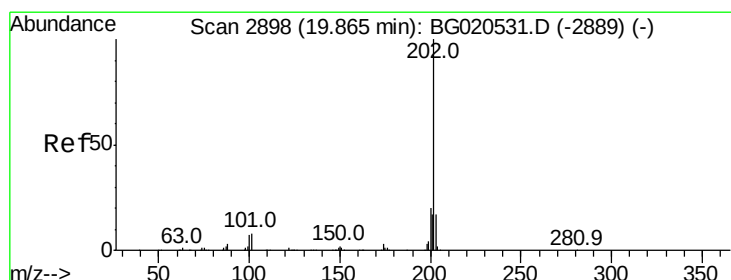
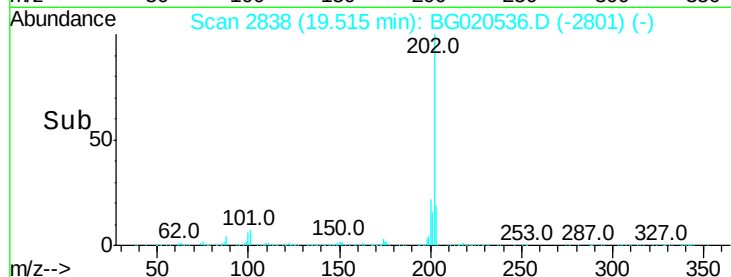
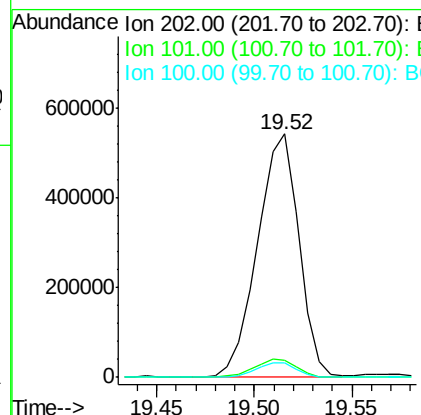
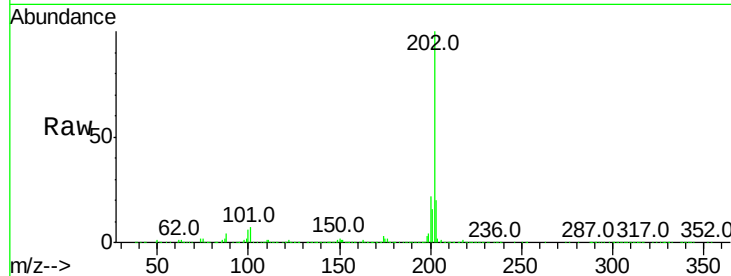
#77
 Fluoranthene
 Concen: 79.22 ng/ul
 RT: 19.52 min Scan# 2838
 Delta R.T. 0.01 min
 Lab File: BG020536.D
 Acq: 26 Dec 2015 12:13

Instrument :
 BNA_G
 ClientSampleId :
 G9D90

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.2	6.2	9.4
100	6.1	5.1	7.7

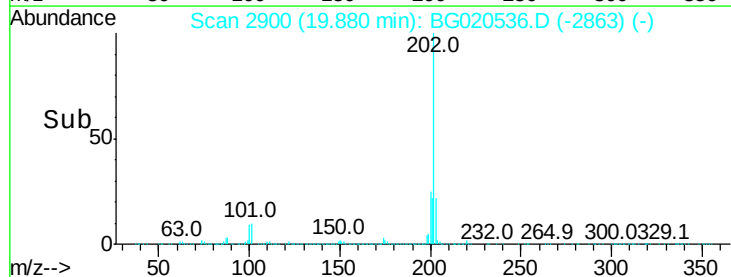
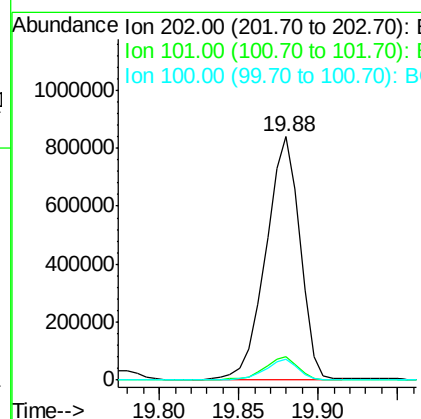
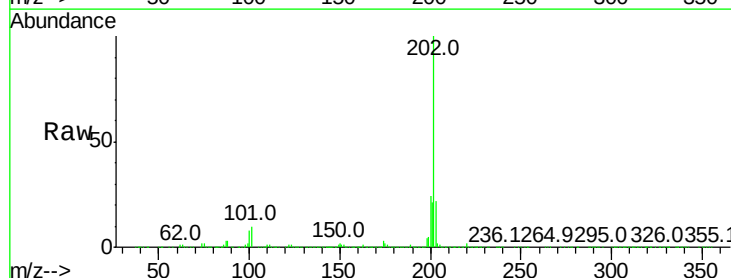
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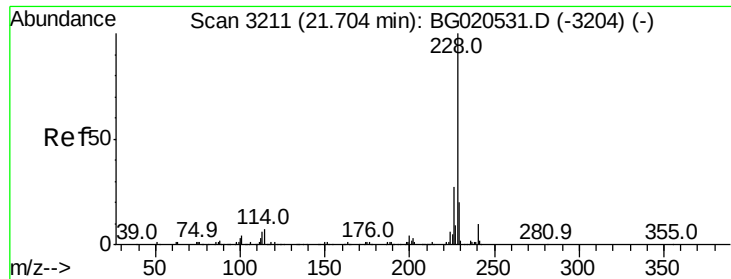
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#80
 Pyrene
 Concen: 123.56 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. 0.01 min
 Lab File: BG020536.D
 Acq: 26 Dec 2015 12:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.6	7.0	10.4
100	8.4	6.4	9.6





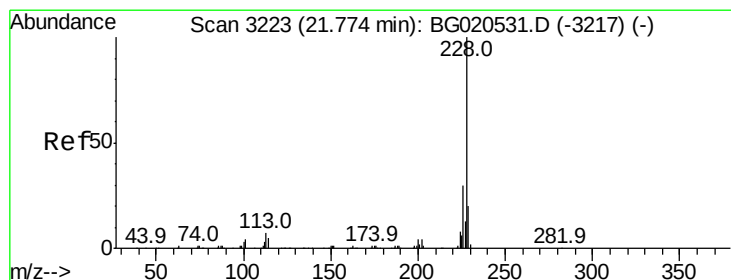
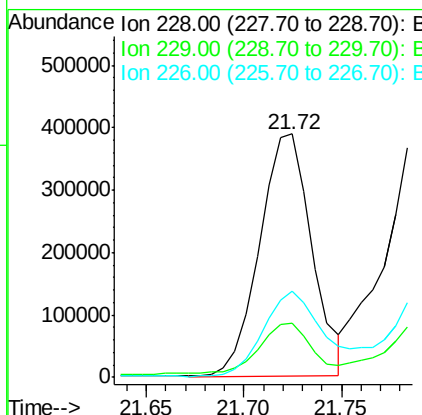
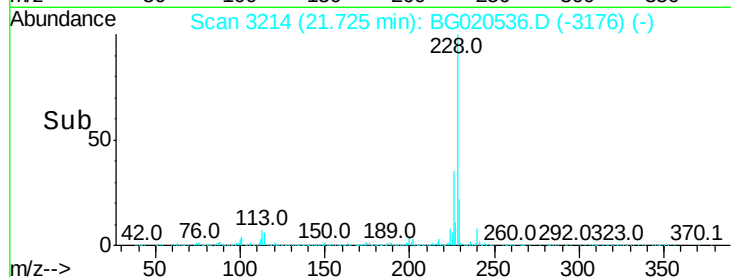
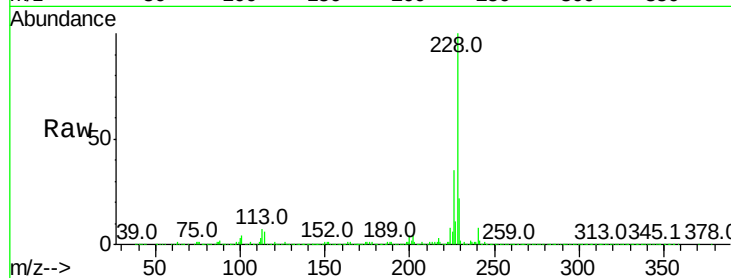
#83
Benzo(a)anthracene
Concen: 68.47 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. 0.02 min
Lab File: BG020536.D
Acq: 26 Dec 2015 12:13

Instrument :
BNA_G
ClientSampleId :
G9D90

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.3	15.8	23.8
226	35.3	21.8	32.6

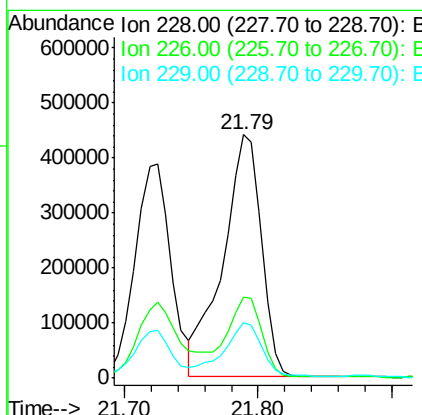
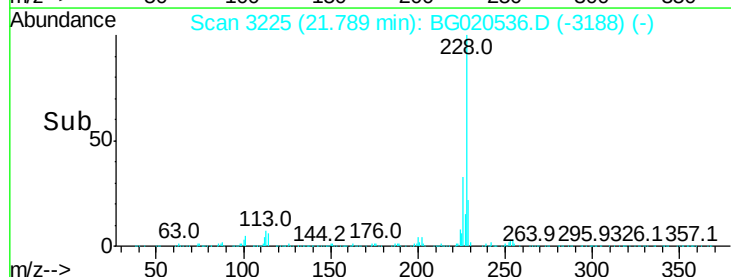
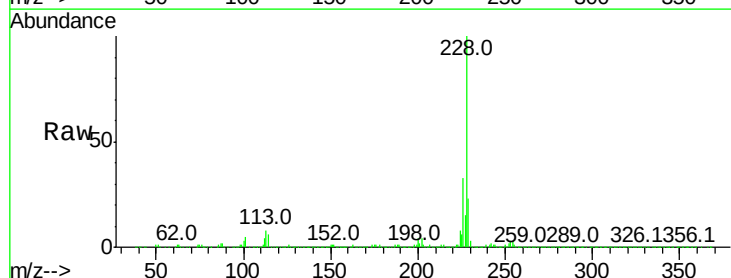
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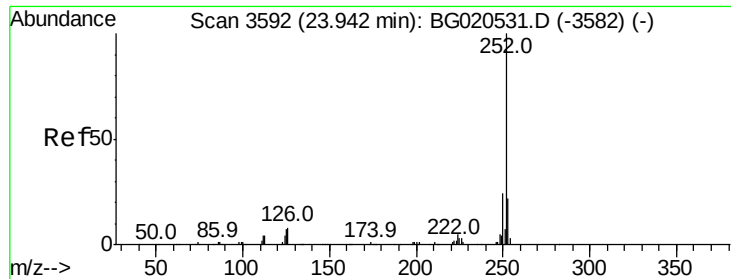
Sohil
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#85
Chrysene
Concen: 88.05 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. 0.01 min
Lab File: BG020536.D
Acq: 26 Dec 2015 12:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	23.9	35.9
229	22.7	15.6	23.4





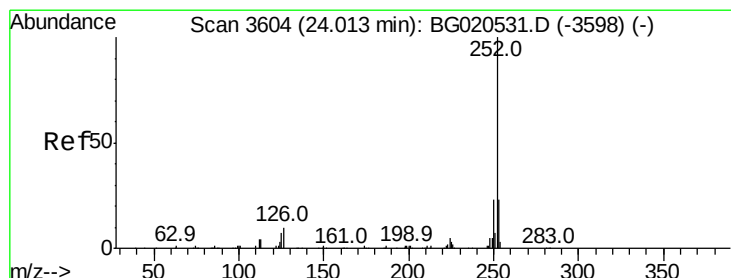
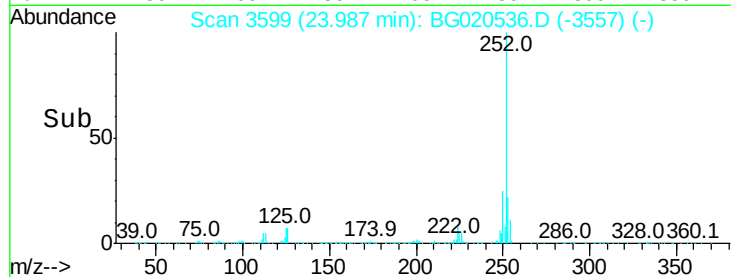
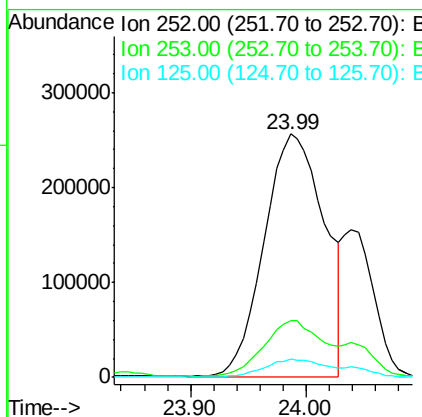
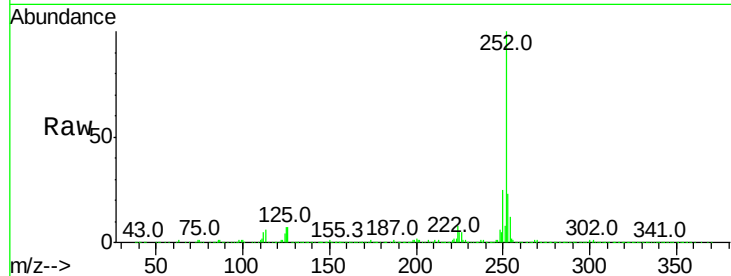
#88
Benzo(b)fluoranthene
Concen: 86.06 ng/ul
RT: 23.99 min Scan# 3599
Delta R.T. 0.04 min
Lab File: BG020536.D
Acq: 26 Dec 2015 12:13

Instrument :
BNA_G
ClientSampleId :
G9D90

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	16.7	25.1
125	7.4	6.2	9.2

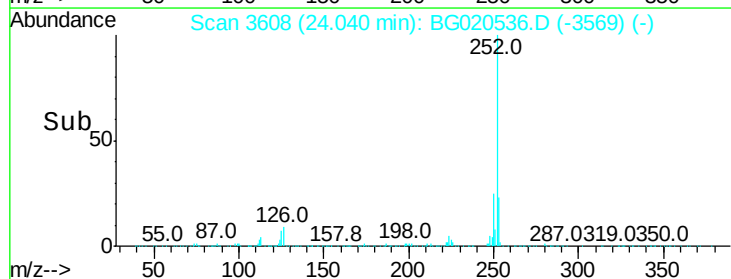
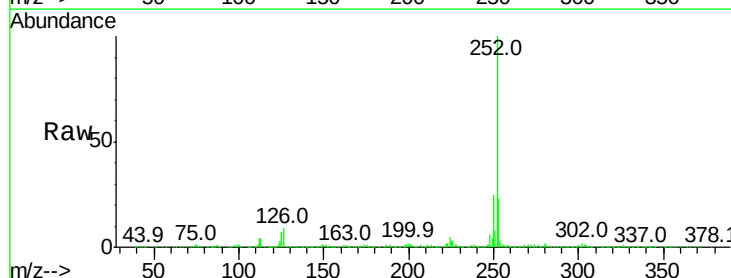
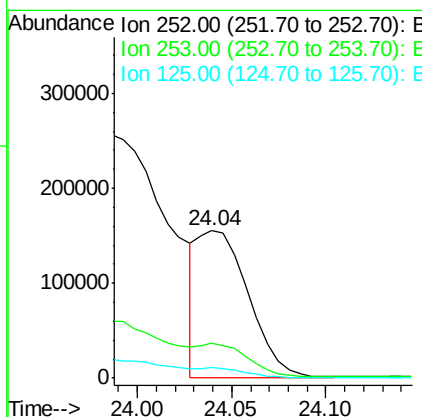
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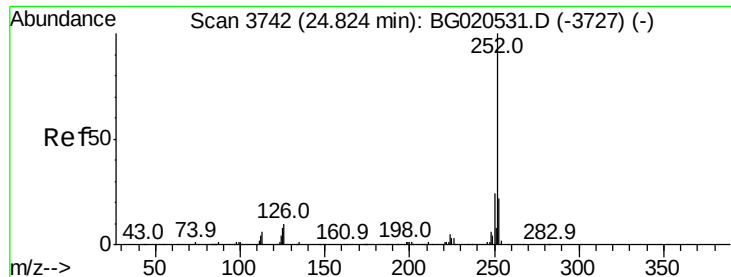
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#89
Benzo(k)fluoranthene
Concen: 27.99 ng/ul m
RT: 24.04 min Scan# 3608
Delta R.T. 0.03 min
Lab File: BG020536.D
Acq: 26 Dec 2015 12:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	7.1	5.8	8.6





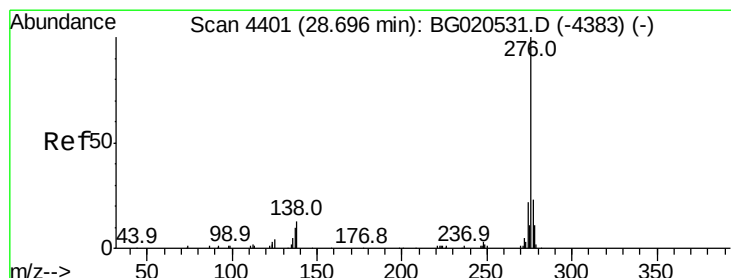
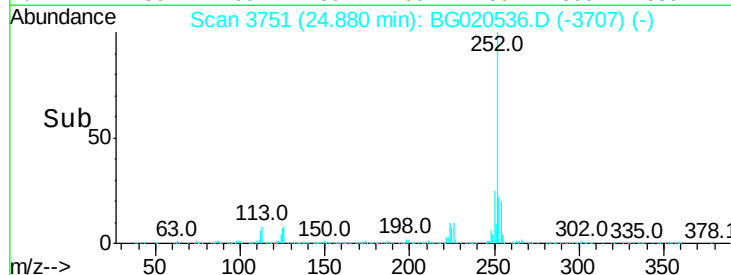
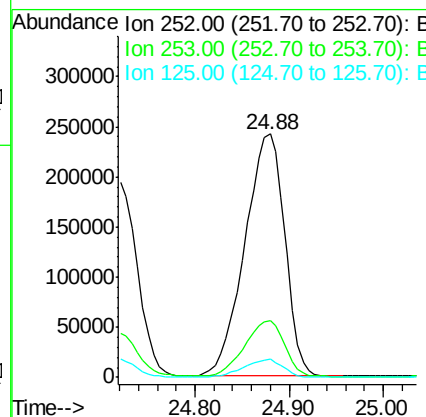
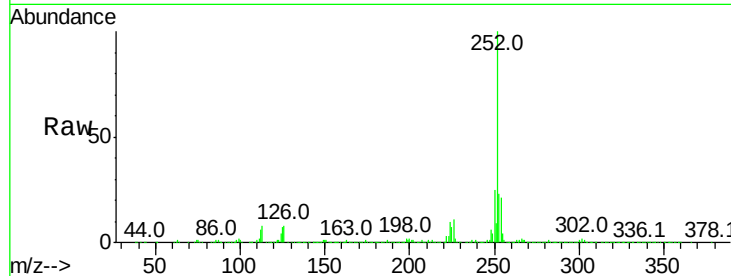
#91
Benzo(a)pyrene
Concen: 68.86 ng/ul
RT: 24.88 min Scan# 3751
Delta R.T. 0.06 min
Lab File: BG020536.D
Acq: 26 Dec 2015 12:13

Instrument :
BNA_G
ClientSampleId :
G9D90

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	7.4	6.2	9.4

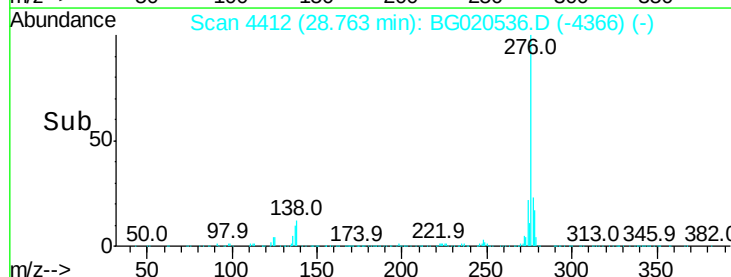
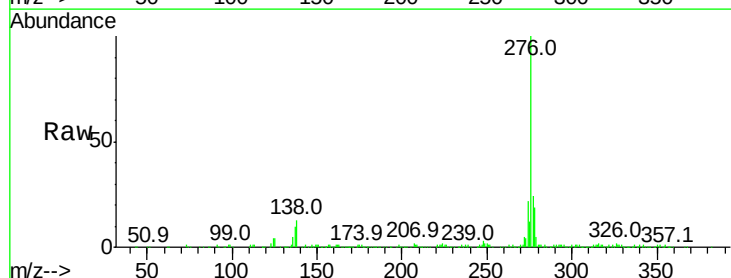
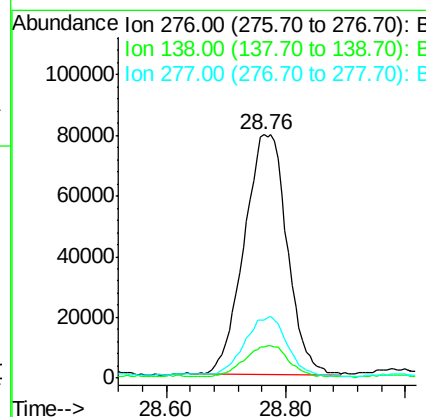
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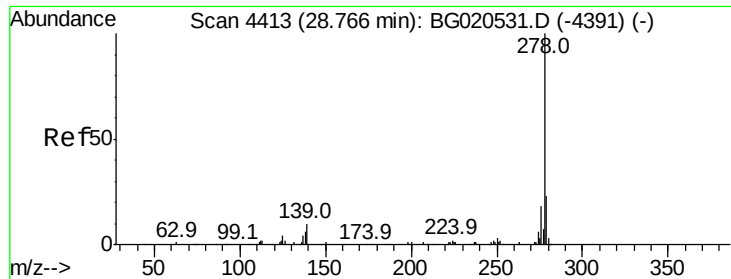
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#92
Indeno(1,2,3-cd)pyrene
Concen: 32.10 ng/ul m
RT: 28.76 min Scan# 4412
Delta R.T. 0.07 min
Lab File: BG020536.D
Acq: 26 Dec 2015 12:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.6	11.4	17.0
277	23.8	17.4	26.0





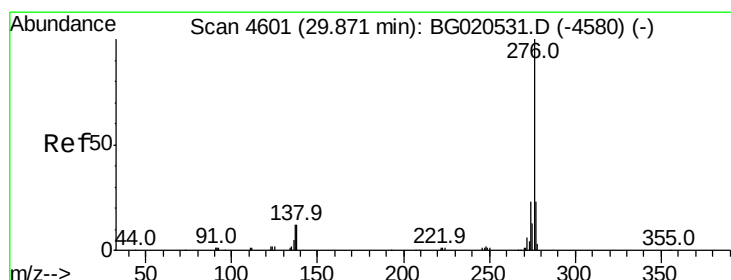
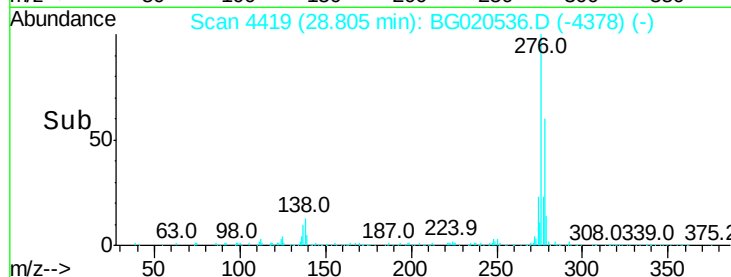
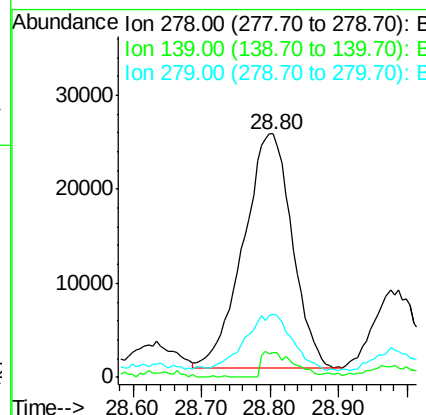
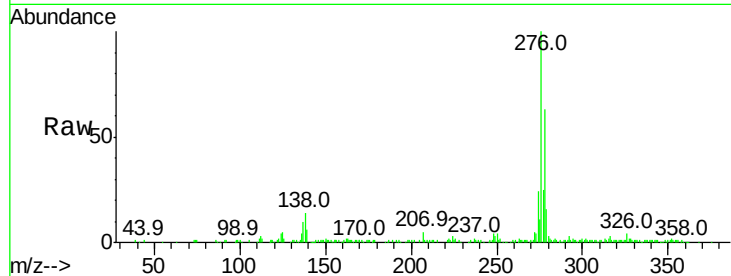
#93
 Dibenzo(a,h)anthracene
 Concen: 11.99 ng/ul
 RT: 28.80 min Scan# 4419
 Delta R.T. 0.04 min
 Lab File: BG020536.D
 Acq: 26 Dec 2015 12:13

Instrument :
 BNA_G
 ClientSampleId :
 G9D90

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.1	9.4	14.2
279	25.8	19.4	29.0

Manual Integrations
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#94
 Benzo(g,h,i)perylene
 Concen: 39.36 ng/ul
 RT: 29.95 min Scan# 4614
 Delta R.T. 0.08 min
 Lab File: BG020536.D
 Acq: 26 Dec 2015 12:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.4	10.8	16.2
277	24.1	19.9	29.9

