

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020245.D
 Acq On : 17 Dec 2015 6:43
 Operator : UM/SJ
 Sample : G4767-18
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N40

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:39 PM

Quant Time: Dec 17 07:55:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	22281	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	102952	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	76943	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.49	188	158537	20.00	ng/ul	0.02
78) Chrysene-d12	21.75	240	190813	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	180559	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	1808	4.48	ng/uL	0.00
5) Phenol-d5	7.25	99	55959	28.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	33135	28.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	43756	30.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	49538	29.48	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	23381	29.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	28006	31.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.54	165	53411	29.53	ng/ul	0.01
29) 4-Chloroaniline-d4	11.05	131	62855	30.93	ng/ul	0.00
44) Dimethylphthalate-d6	14.14	166	168974	27.15	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	199950	27.61	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	28572	25.60	ng/ul	0.01
58) Fluorene-d10	15.72	176	147367	26.11	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.87	200	2328	2.48	ng/ul	0.04
71) Anthracene-d10	17.60	188	216763	29.67	ng/ul	0.04
79) Pyrene-d10	19.86	212	257641	28.97	ng/ul	0.01
90) Benzo(a)pyrene-d12	24.80	264	281461	31.25	ng/ul	0.01

Target Compounds

						Qvalue
28) Naphthalene	11.00	128	3693005	686.90	ng/ul#	75
34) 2-Methylnaphthalene	12.58	142	1557255	379.20	ng/ul	100
35) 1-Methylnaphthalene	12.79	142	827604	209.62	ng/ul#	96
41) 1,1'-Biphenyl	13.57	154	735122	126.64	ng/ul	100
45) Dimethylphthalate	14.18	163	69719	10.97	ng/ul	99
48) Acenaphthylene	14.45	152	263787	34.29	ng/ul	97
50) Acenaphthene	14.82	153	2599461	502.22	ng/ul#	88
54) Dibenzofuran	15.15	168	2615777	339.73	ng/ul#	75
59) Fluorene	15.80	166	2524737	408.33	ng/ul#	97
70) Phenanthrene	17.57	178	6607045	761.91	ng/ul#	41
72) Anthracene	17.63	178	1423326	161.83	ng/ul#	89
75) Carbazole	17.89	167	1056998	143.02	ng/ul	94
77) Fluoranthene	19.55	202	4298221m	424.11	ng/ul	
80) Pyrene	19.91	202	3418256	295.99	ng/ul#	76
83) Benzo(a)anthracene	21.73	228	1072240	96.30	ng/ul	93
85) Chrysene	21.80	228	940436m	89.69	ng/ul	
88) Benzo(b)fluoranthene	23.98	252	519159	47.77	ng/ul	96
89) Benzo(k)fluoranthene	24.04	252	174764m	16.76	ng/ul	
91) Benzo(a)pyrene	24.87	252	297234	28.85	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.74	276	82757	6.75	ng/ul	96
93) Dibenzo(a,h)anthracene	28.78	278	24203m	2.38	ng/ul	
94) Benzo(g,h,i)perylene	29.90	276	70460m	7.01	ng/ul	

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

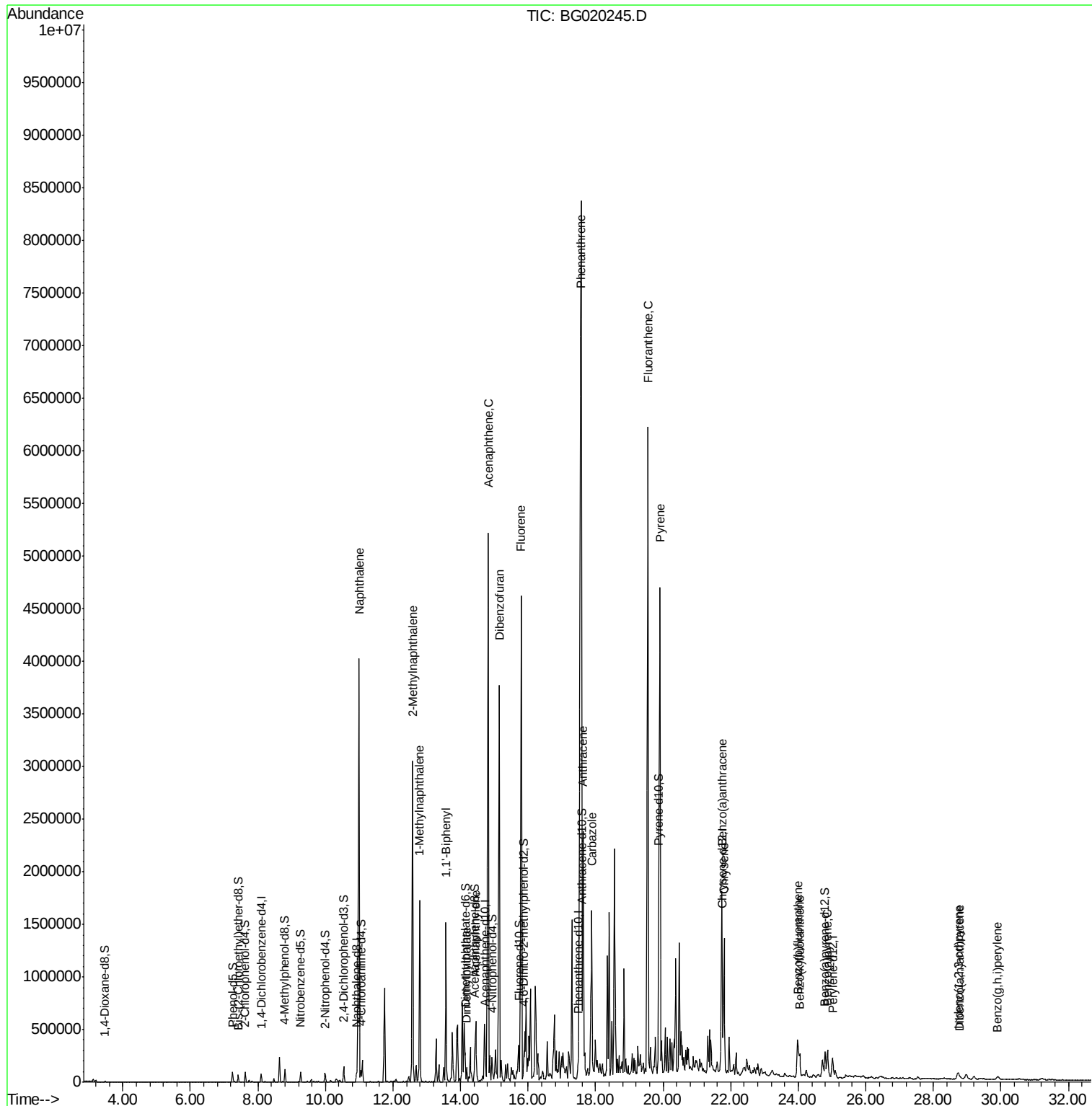
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
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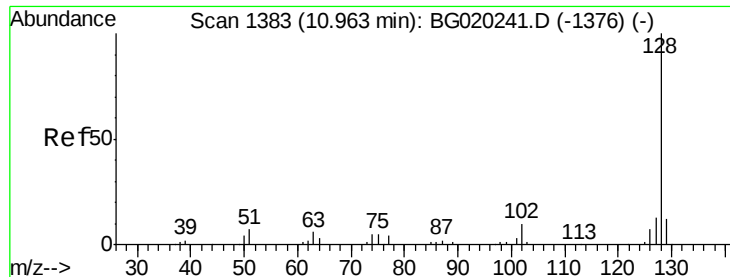
Instrument :
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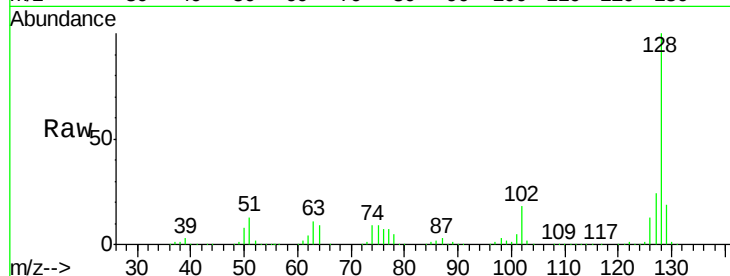
#28
Naphthalene
Concen: 686.90 ng/ul
RT: 11.00 min Scan# 1389
Delta R.T. 0.04 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

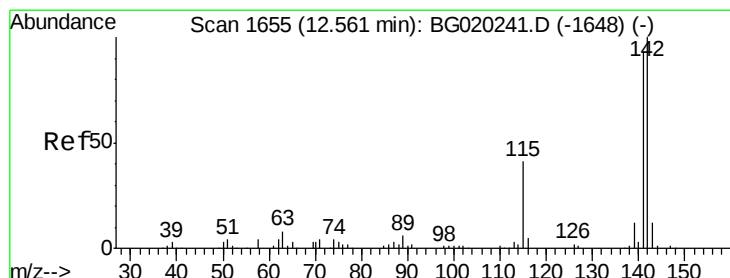
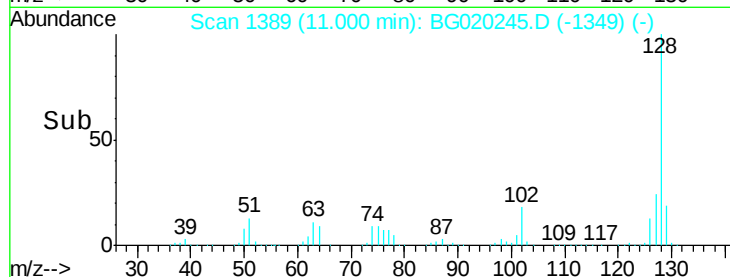
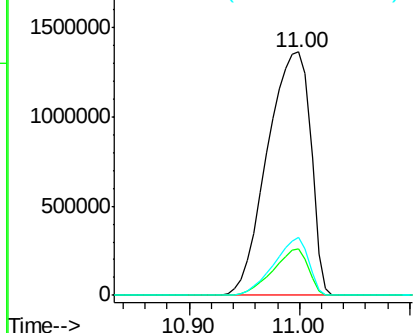
Tgt Ion:128 Resp: 3693005
Ion Ratio Lower Upper
128 100
129 18.9 8.6 12.8#
127 23.6 10.1 15.1#

Manual Integrations
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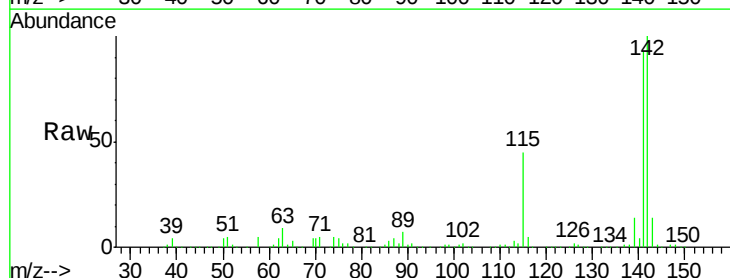


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

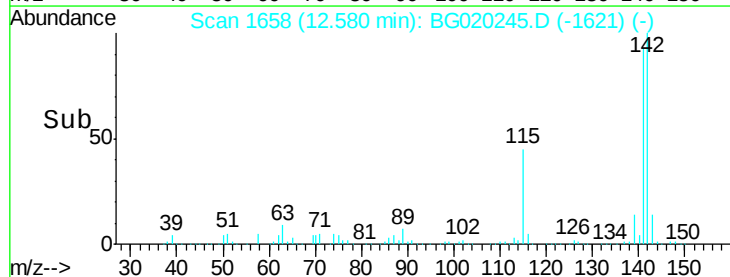
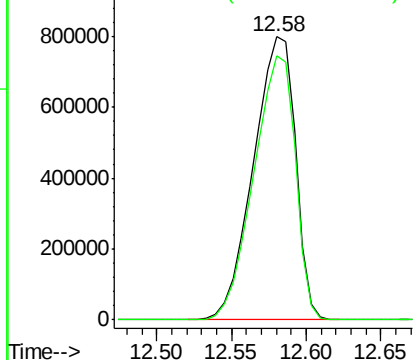


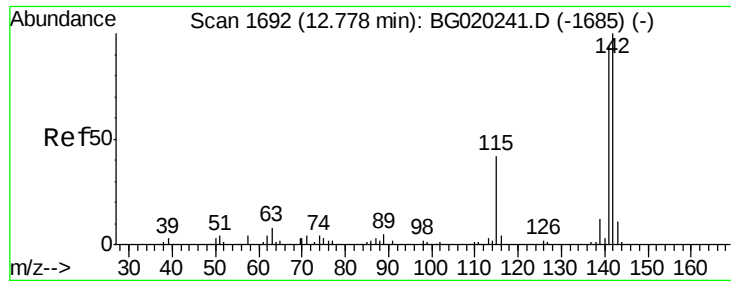
#34
2-Methylnaphthalene
Concen: 379.20 ng/ul
RT: 12.58 min Scan# 1658
Delta R.T. 0.02 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion:142 Resp: 1557255
Ion Ratio Lower Upper
142 100
141 93.4 74.9 112.3



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





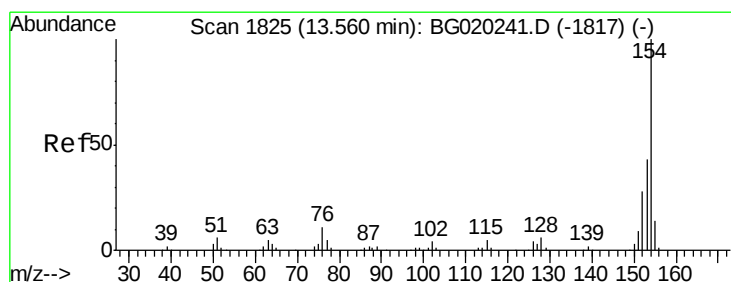
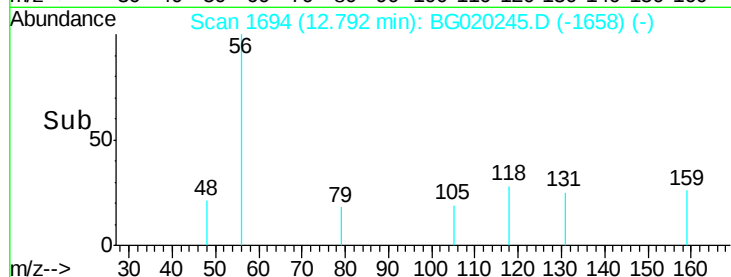
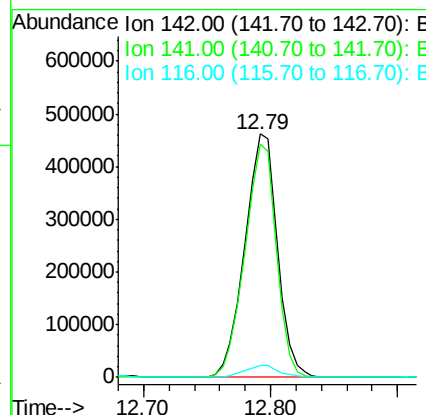
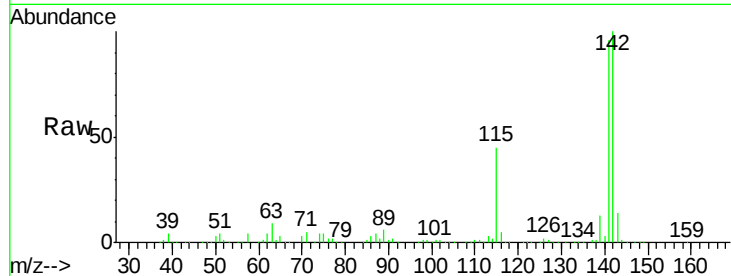
#35
 1-Methylnaphthalene
 Concen: 209.62 ng/ul
 RT: 12.79 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: BG020245.D
 Acq: 17 Dec 2015 6:43

Instrument :
 BNA_G
 ClientSampleId :
 D9N40

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	827604		
141	95.6	73.0	109.6	
116	4.9	3.0	4.6#	

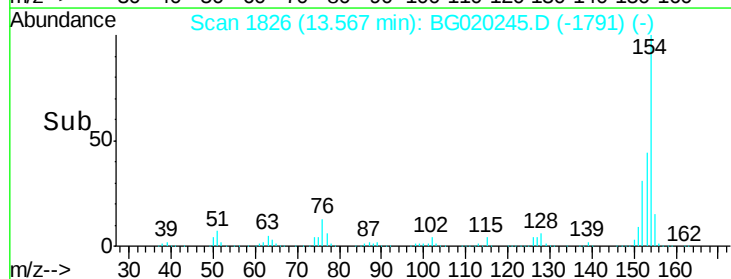
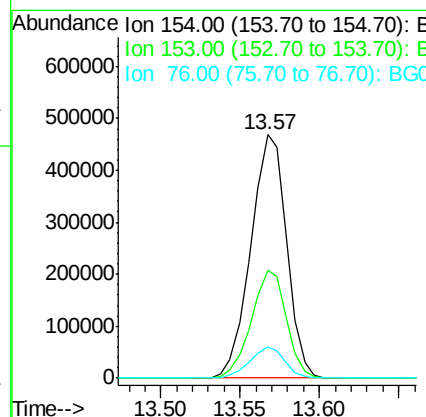
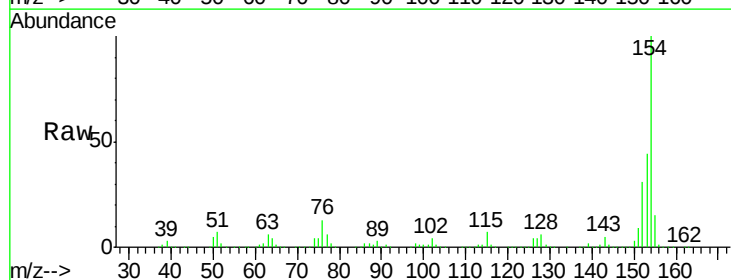
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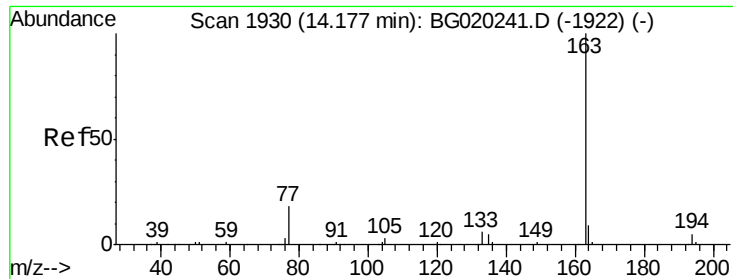
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#41
 1,1'-Biphenyl
 Concen: 126.64 ng/ul
 RT: 13.57 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: BG020245.D
 Acq: 17 Dec 2015 6:43

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	735122		
153	44.3	35.5	53.3	
76	12.8	10.4	15.6	





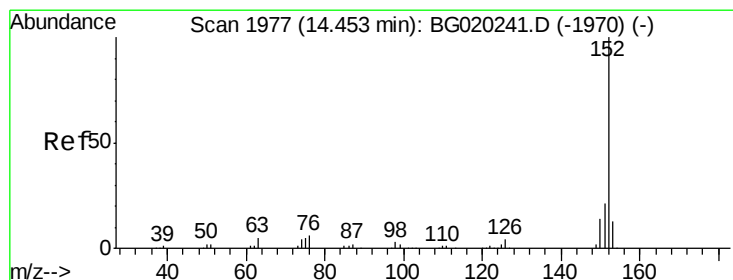
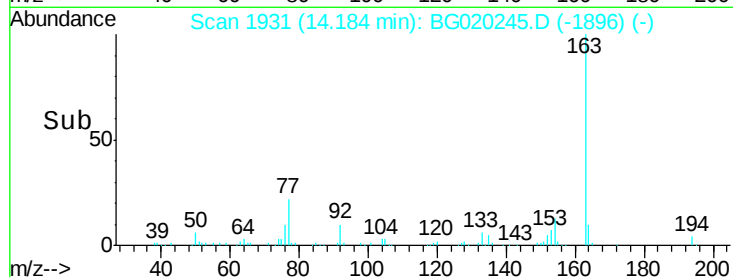
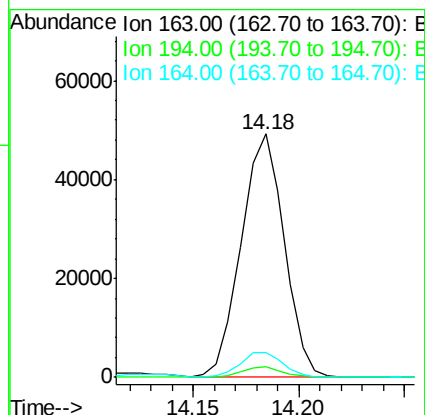
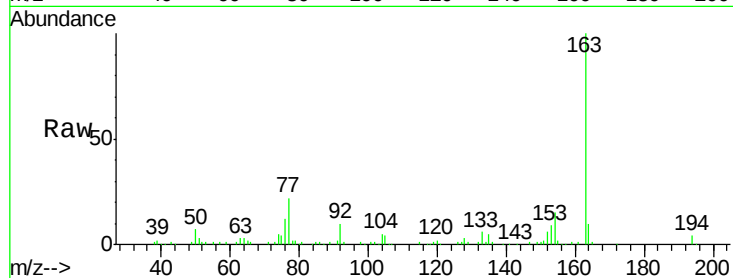
#45
Dimethylphthalate
Concen: 10.97 ng/ul
RT: 14.18 min Scan# 1931
Delta R.T. 0.01 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	69719		
194	4.2		3.5	5.3
164	10.2		7.7	11.5

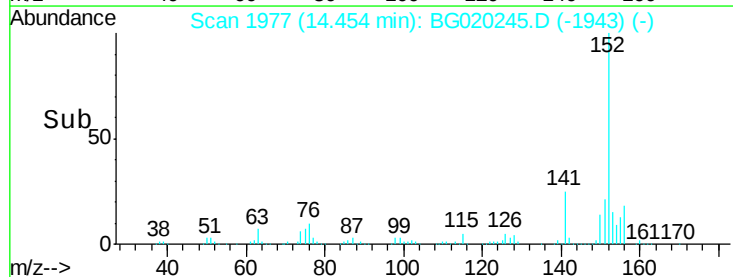
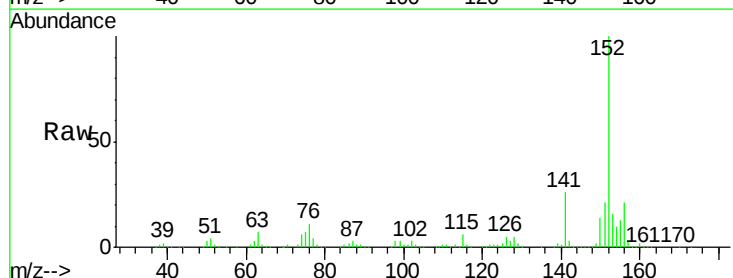
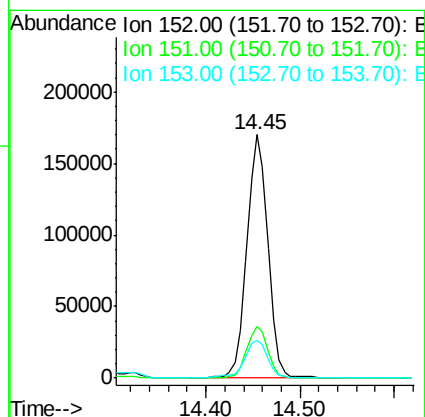
Manual Integrations
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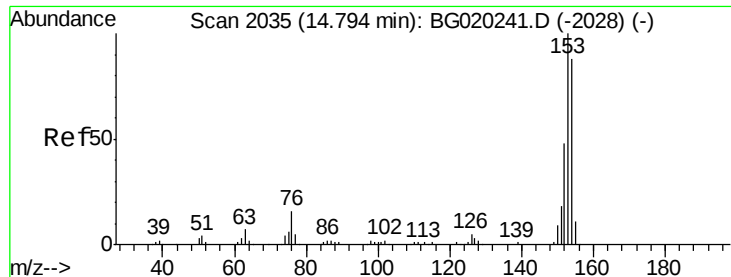
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#48
Acenaphthylene
Concen: 34.29 ng/ul
RT: 14.45 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	263787		
151	21.0		16.4	24.6
153	15.5		10.4	15.6





#50

Acenaphthene

Concen: 502.22 ng/u1

RT: 14.82 min Scan# 2040

Delta R.T. 0.03 min

Lab File: BG020245.D

Acq: 17 Dec 2015 6:43

Instrument :

BNA_G

ClientSampleId :

D9N40

Tgt Ion:153 Resp: 2599461

Ion Ratio Lower Upper

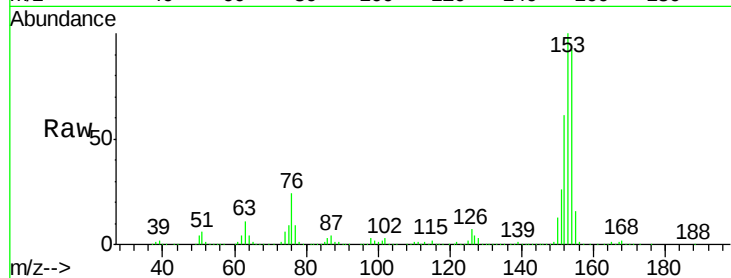
153 100

152 60.9 37.6 56.4#

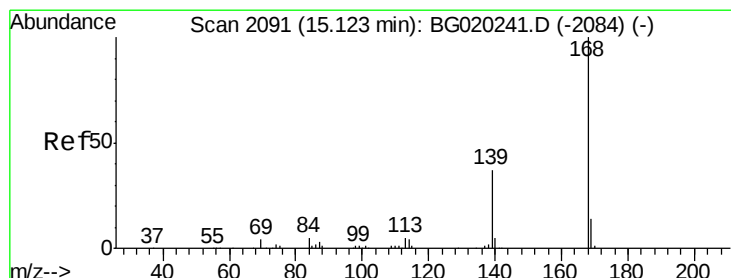
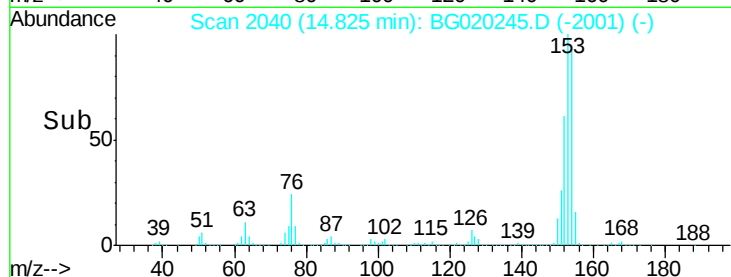
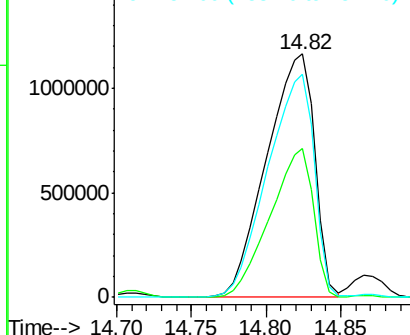
154 91.6 67.9 101.9

Manual Integrations
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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

Dibenzofuran

Concen: 339.73 ng/u1

RT: 15.15 min Scan# 2095

Delta R.T. 0.02 min

Lab File: BG020245.D

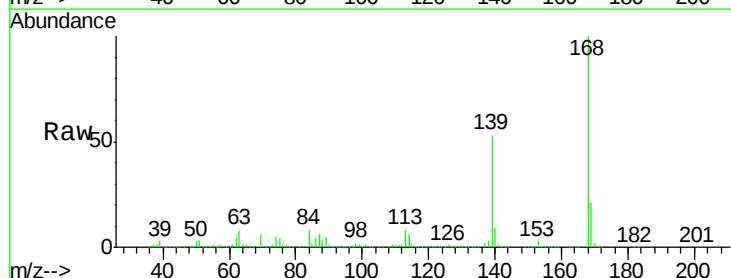
Acq: 17 Dec 2015 6:43

Tgt Ion:168 Resp: 2615777

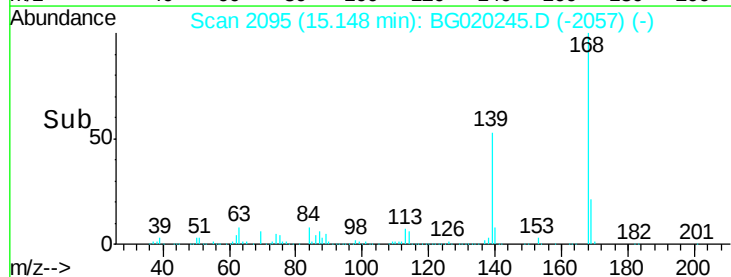
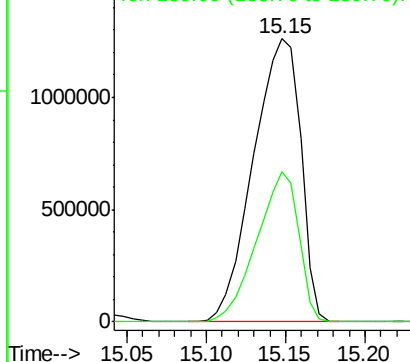
Ion Ratio Lower Upper

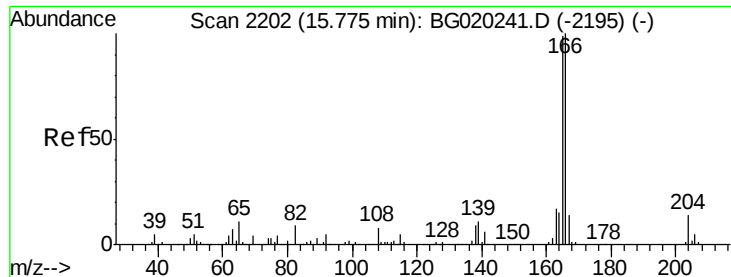
168 100

139 52.9 30.5 45.7#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





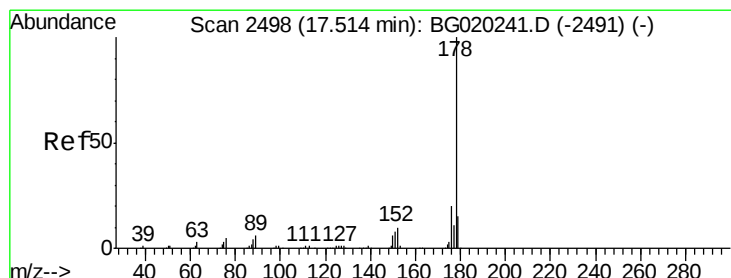
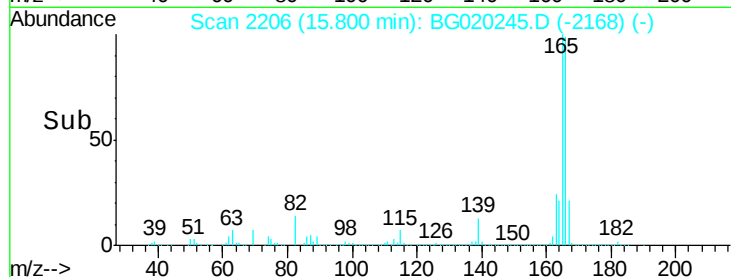
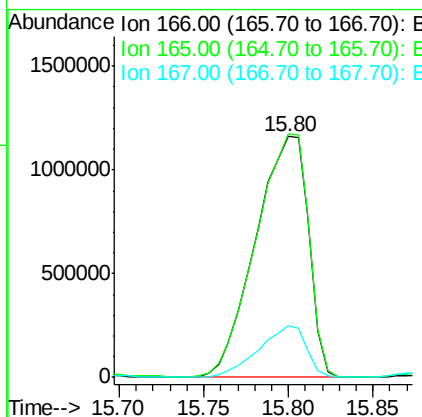
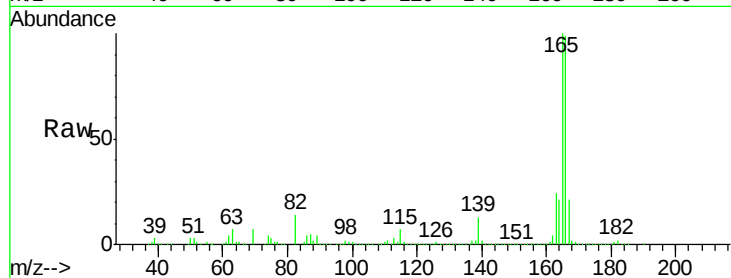
#59
Fluorene
Concen: 408.33 ng/ul
RT: 15.80 min Scan# 2206
Delta R.T. 0.02 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

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Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.1	81.4	122.0
167	21.2	11.2	16.8

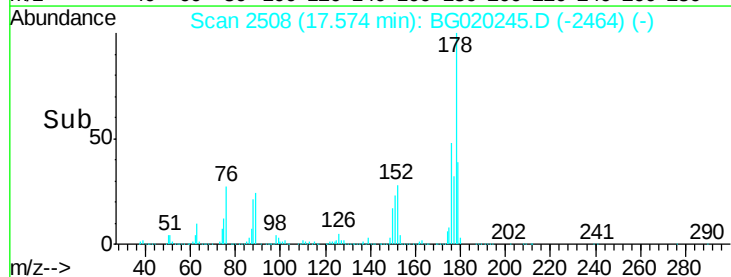
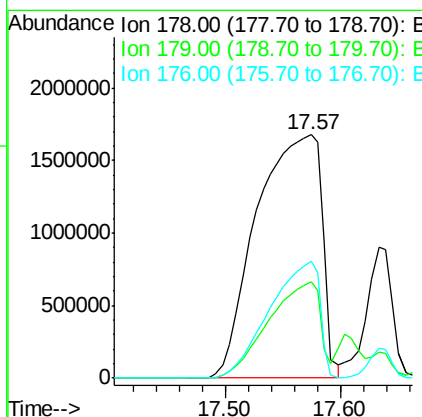
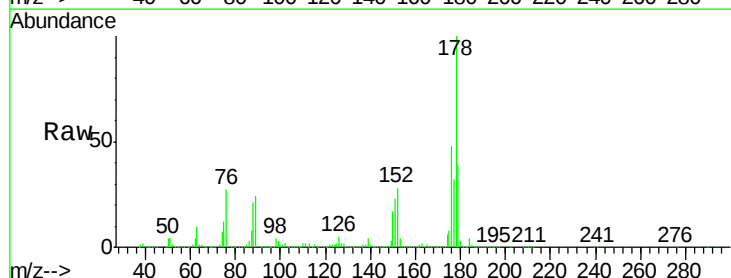
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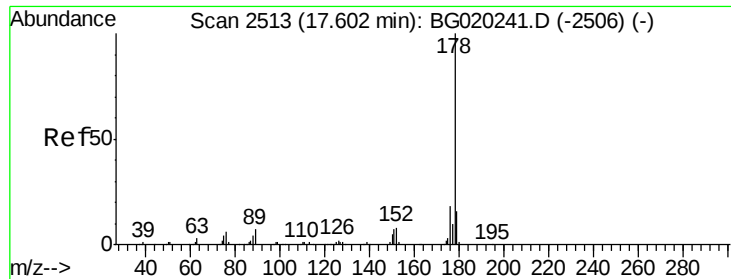
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#70
Phenanthrene
Concen: 761.91 ng/ul
RT: 17.57 min Scan# 2508
Delta R.T. 0.06 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion	Ratio	Lower	Upper
178	100		
179	39.4	12.9	19.3
176	47.8	15.3	22.9





#72

Anthracene

Concen: 161.83 ng/ul

RT: 17.63 min Scan# 2518

Delta R.T. 0.03 min

Lab File: BG020245.D

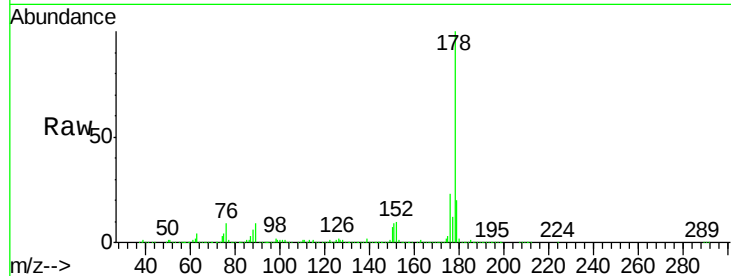
Acq: 17 Dec 2015 6:43

Instrument :

BNA_G

ClientSampleId :

D9N40



Tgt Ion:178 Resp: 1423326

Ion Ratio Lower Upper

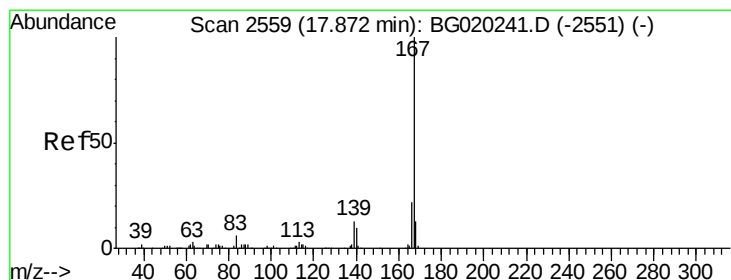
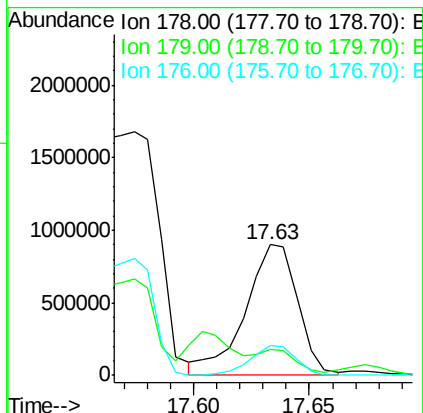
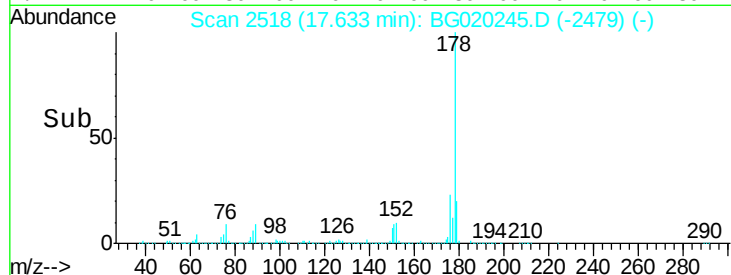
178 100

179 20.1 12.3 18.5#

176 22.8 14.3 21.5#

Manual Integrations
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#75

Carbazole

Concen: 143.02 ng/ul

RT: 17.89 min Scan# 2561

Delta R.T. 0.01 min

Lab File: BG020245.D

Acq: 17 Dec 2015 6:43

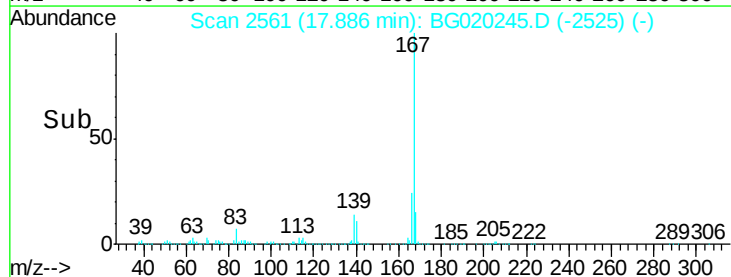
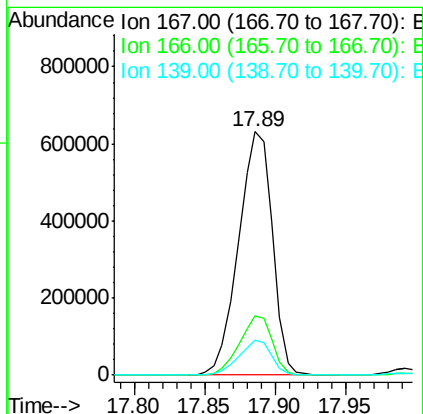
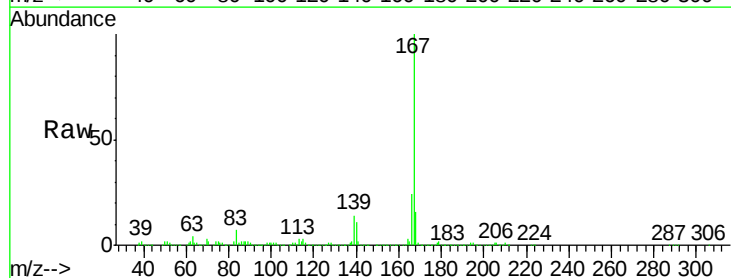
Tgt Ion:167 Resp: 1056998

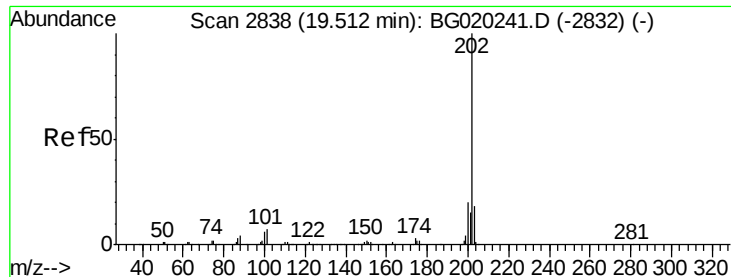
Ion Ratio Lower Upper

167 100

166 24.4 17.0 25.6

139 14.5 10.1 15.1





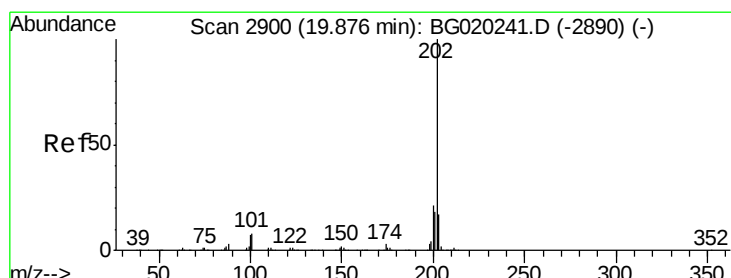
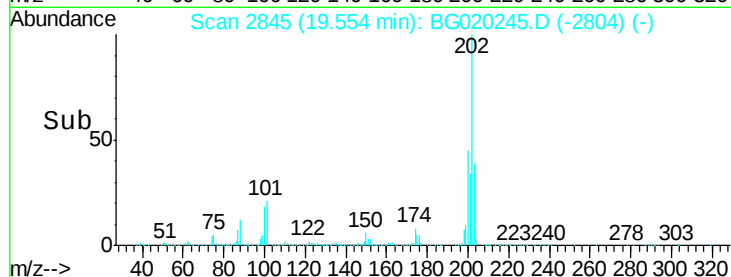
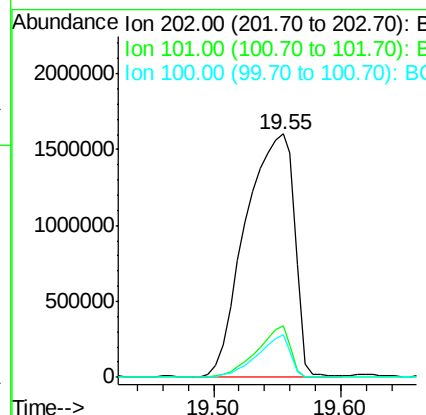
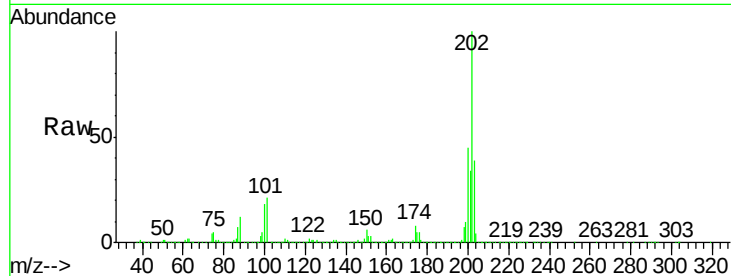
#77
Fluoranthene
 Concen: 424.11 ng/ul m
 RT: 19.55 min Scan# 2845
 Delta R.T. 0.04 min
 Lab File: BG020245.D
 Acq: 17 Dec 2015 6:43

Instrument :
 BNA_G
 ClientSampleId :
 D9N40

Tgt Ion:202 Resp: 4298221
 Ion Ratio Lower Upper
 202 100
 101 21.4 6.2 9.4#
 100 17.5 5.1 7.7#

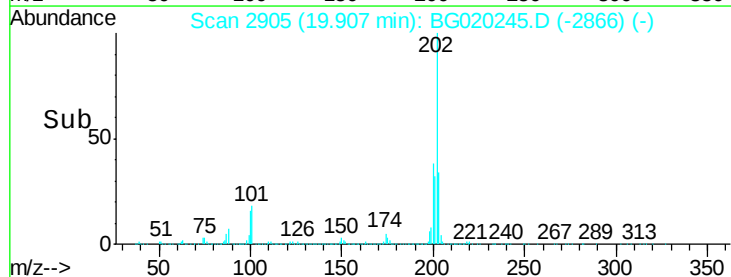
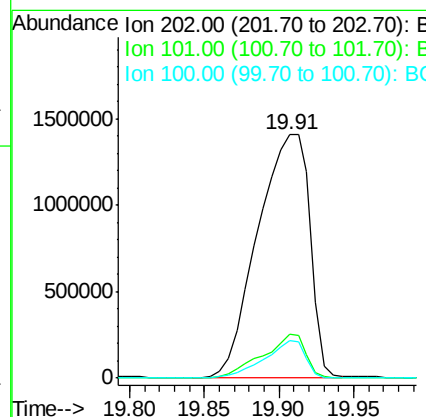
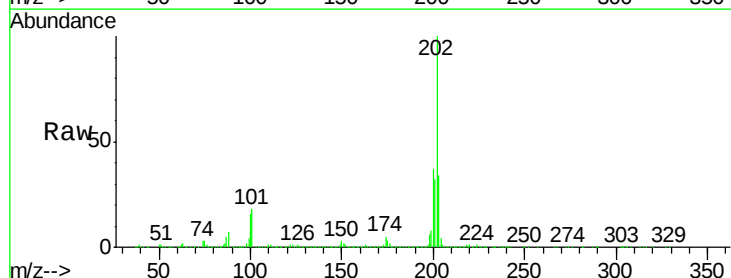
Manual Integrations
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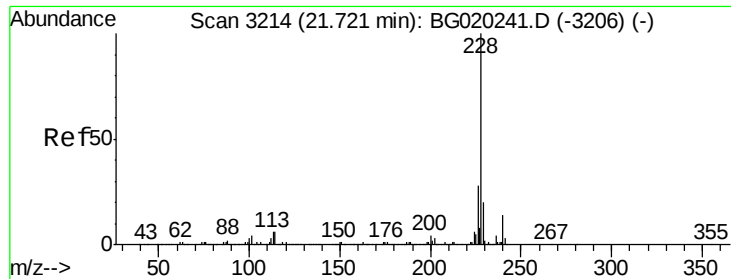
MMdadoda
 12/17/2015 12:00:39 PM



#80
Pyrene
 Concen: 295.99 ng/ul
 RT: 19.91 min Scan# 2905
 Delta R.T. 0.03 min
 Lab File: BG020245.D
 Acq: 17 Dec 2015 6:43

Tgt Ion:202 Resp: 3418256
 Ion Ratio Lower Upper
 202 100
 101 18.1 7.0 10.4#
 100 15.6 6.4 9.6#





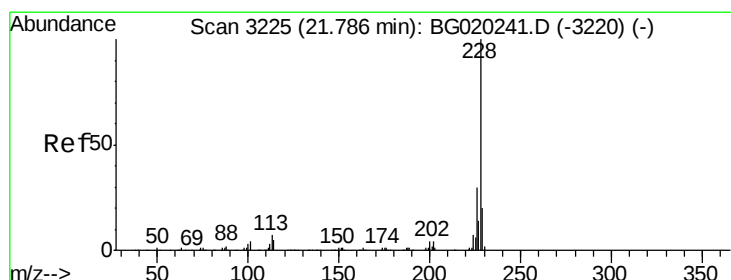
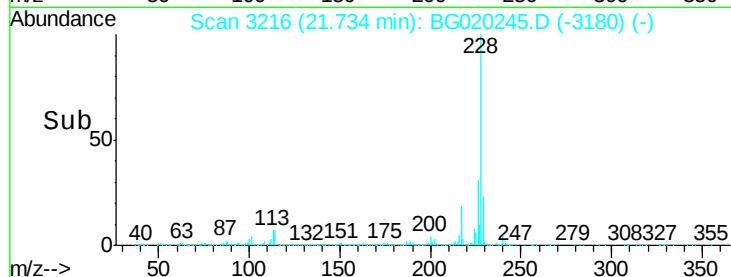
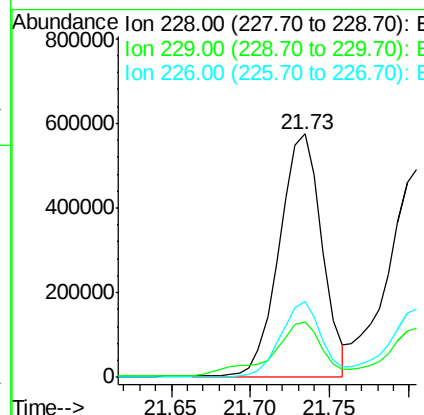
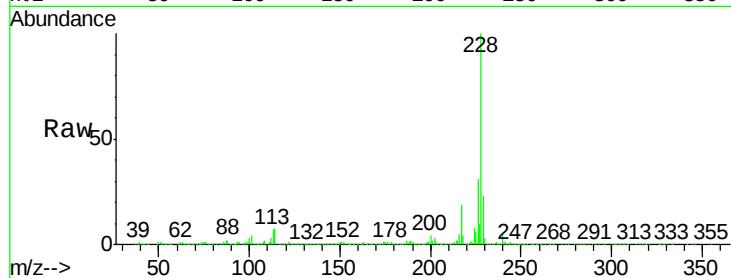
#83
Benzo(a)anthracene
Concen: 96.30 ng/ul
RT: 21.73 min Scan# 3216
Delta R.T. 0.01 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.9	15.8	23.8
226	31.1	21.8	32.6

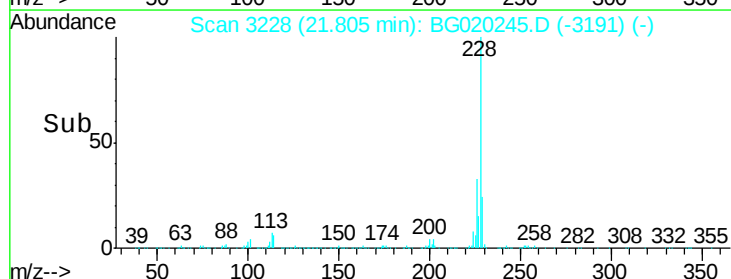
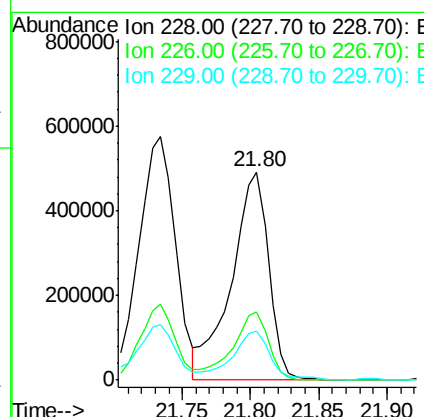
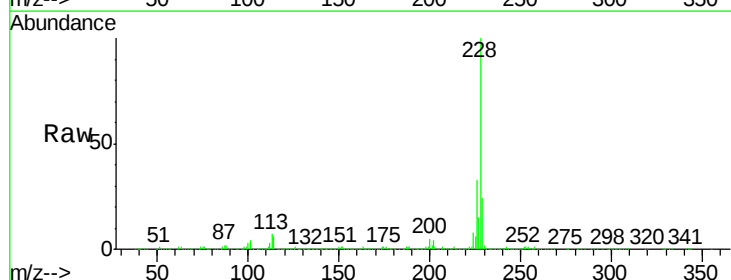
Manual Integrations
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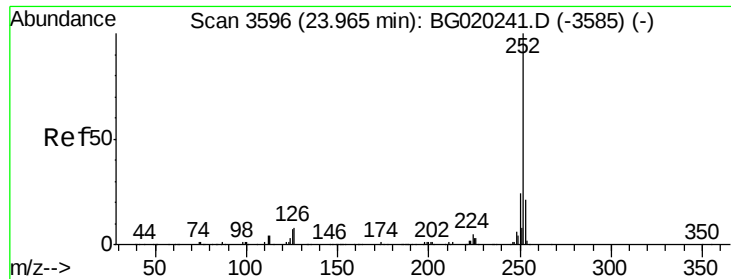
MMdadoda
12/17/2015 12:00:39 PM



#85
Chrysene
Concen: 89.69 ng/ul m
RT: 21.80 min Scan# 3228
Delta R.T. 0.02 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	23.9	35.9
229	23.9	15.6	23.4#





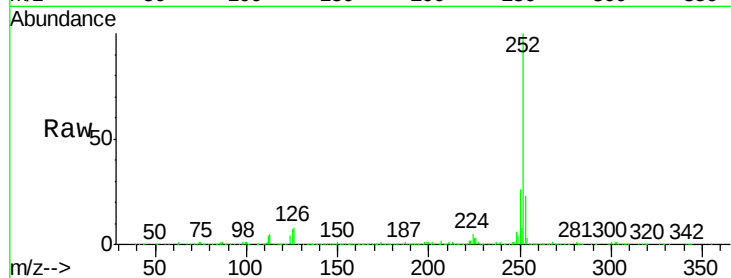
#88
Benzo(b)fluoranthene
Concen: 47.77 ng/ul
RT: 23.98 min Scan# 3599
Delta R.T. 0.02 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

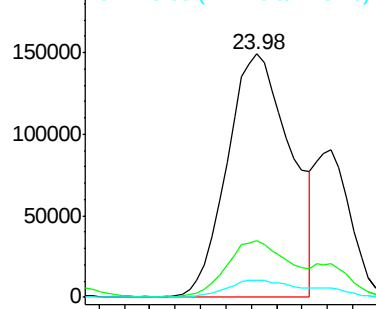
Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.1	16.7	25.1
125	6.9	6.2	9.2

Manual Integrations
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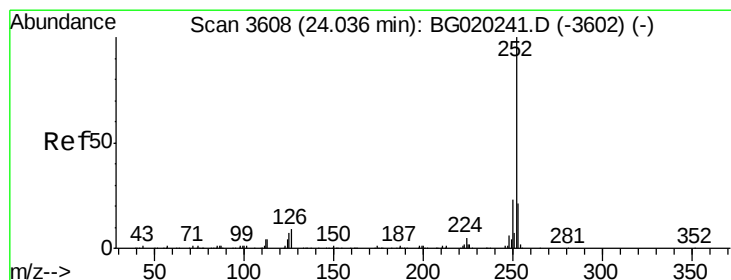
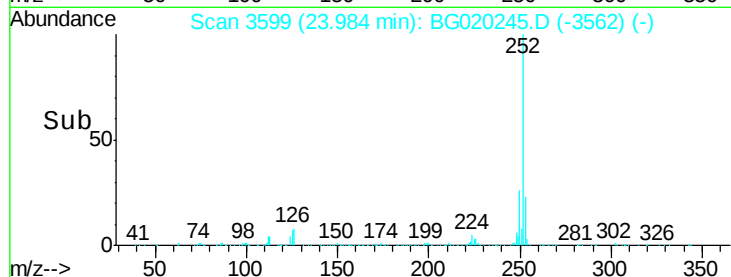
MMdadoda
12/17/2015 12:00:39 PM



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



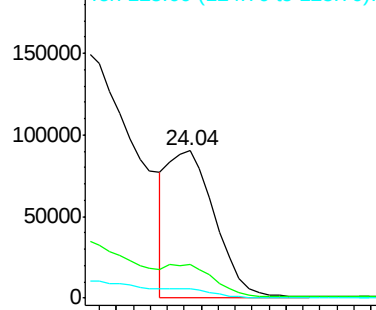
Time-->



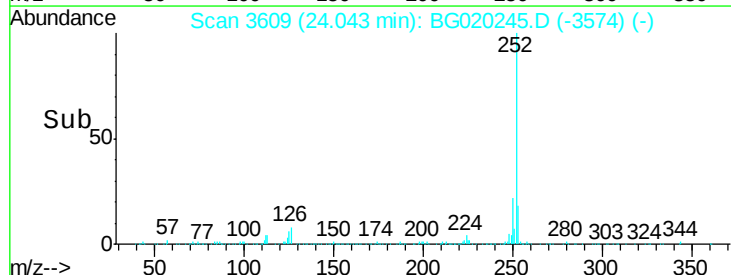
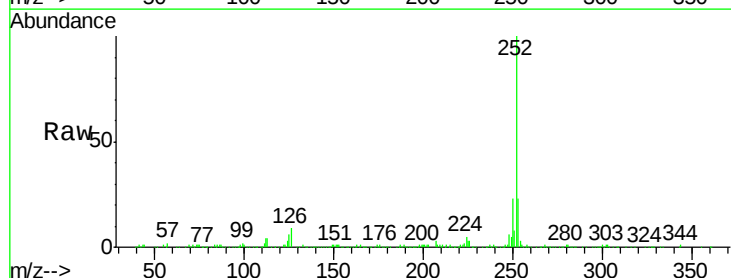
#89
Benzo(k)fluoranthene
Concen: 16.76 ng/ul m
RT: 24.04 min Scan# 3609
Delta R.T. 0.01 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

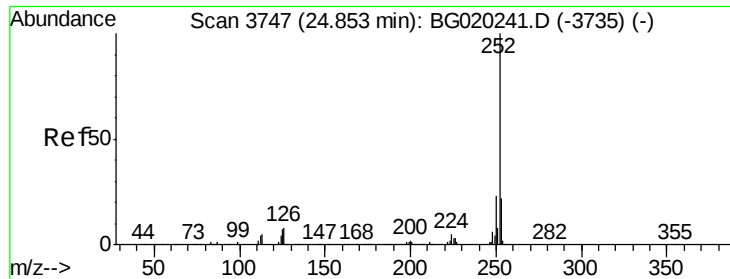
Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.3	17.9	26.9
125	6.2	5.8	8.6

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



Time-->





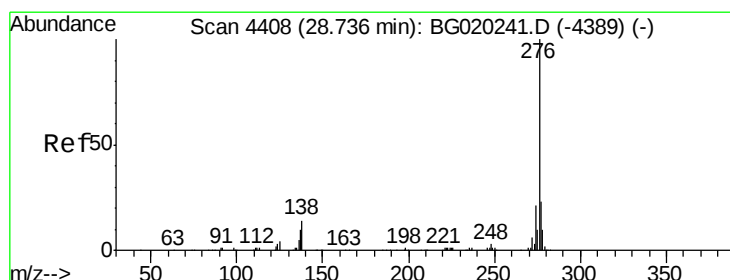
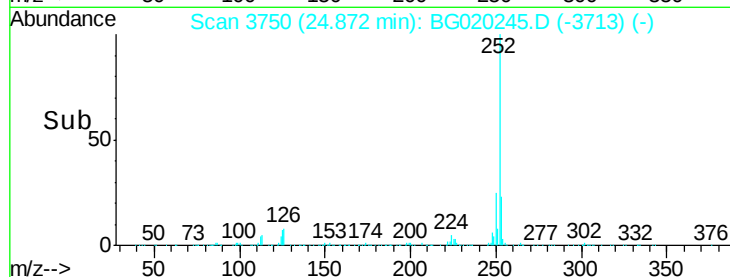
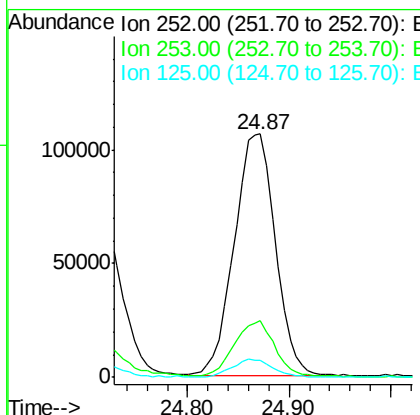
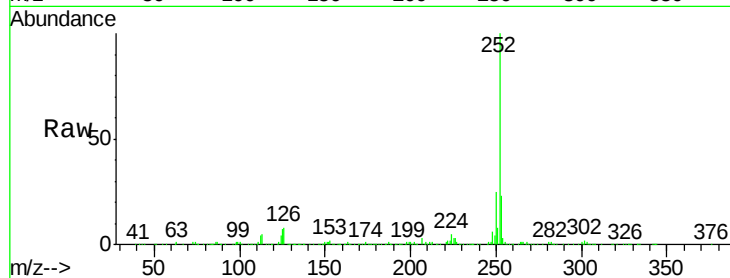
#91
Benzo(a)pyrene
Concen: 28.85 ng/ul
RT: 24.87 min Scan# 3750
Delta R.T. 0.02 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.1	17.0	25.4
125	7.0	6.2	9.4

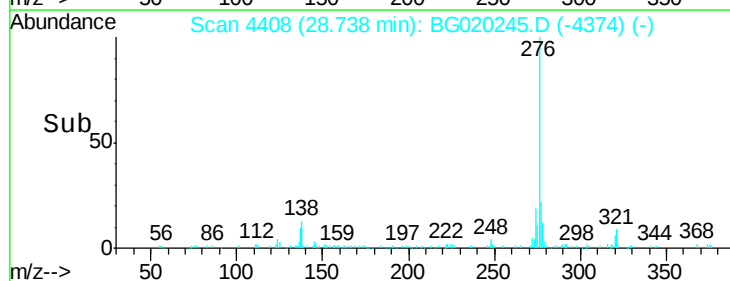
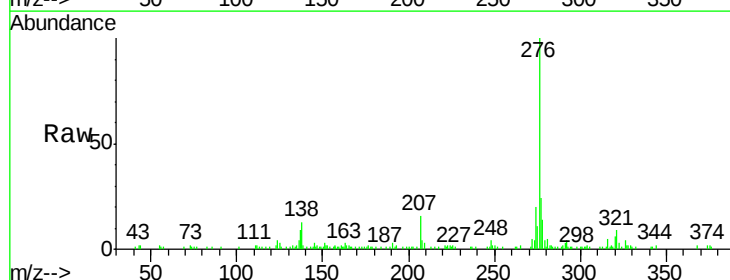
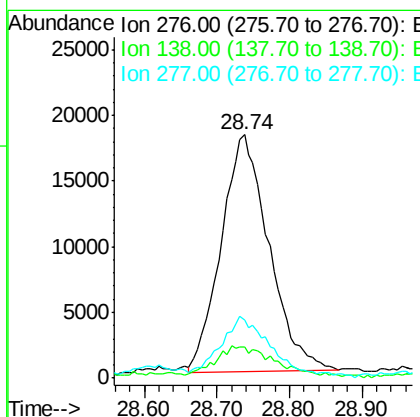
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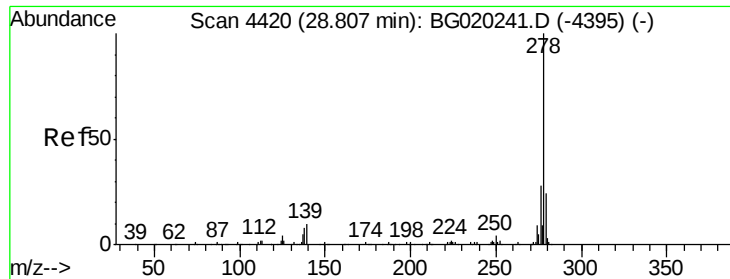
MMdadoda
12/17/2015 12:00:39 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 6.75 ng/ul
RT: 28.74 min Scan# 4408
Delta R.T. 0.00 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	15.3	11.4	17.0
277	23.6	17.4	26.0





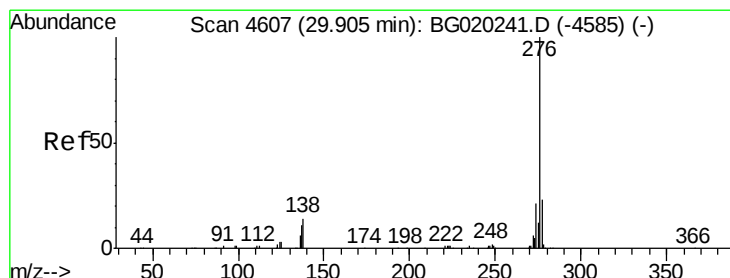
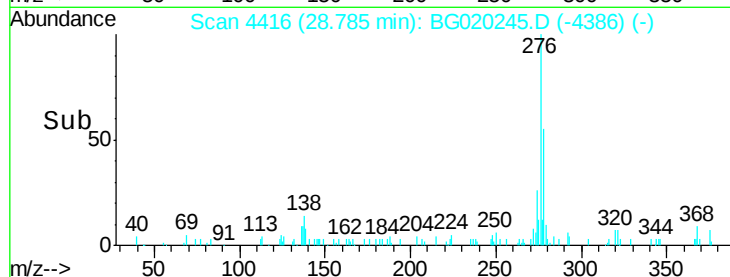
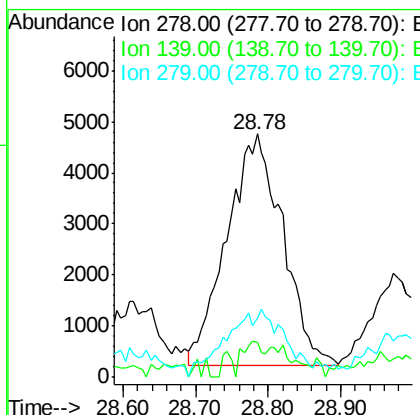
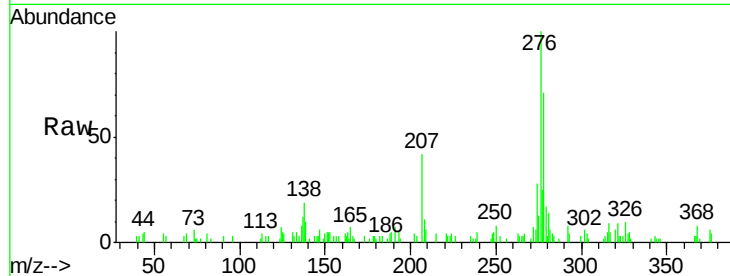
#93
Dibenzo(a,h)anthracene
Concen: 2.38 ng/ul m
RT: 28.78 min Scan# 4416
Delta R.T. -0.02 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.3	9.4	14.2#
279	24.3	19.4	29.0

Manual Integrations
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12/17/2015 12:00:39 PM



#94
Benzo(g,h,i)perylene
Concen: 7.01 ng/ul m
RT: 29.90 min Scan# 4606
Delta R.T. -0.00 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.4	10.8	16.2
277	23.6	19.9	29.9

