

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020413.D
 Acq On : 22 Dec 2015 17:35
 Operator : UM/SJ
 Sample : G4848-08ME
 Misc : med level RX
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 D9N54ME

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:34:26 PM

Quant Time: Dec 23 05:59:43 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 23 04:11:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	19458	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	94497	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	72865	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	152757m	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	171950	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	167775	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1032	2.93	ng/uL	0.00
5) Phenol-d5	7.24	99	25751	15.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	18211	17.79	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	22264	17.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	25473	17.36	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	13397	18.19	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	15543	18.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	28052	16.90	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	32131	17.23	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	105885	17.97	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	120811	17.62	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	9836	9.31	ng/ul	0.00
58) Fluorene-d10	15.71	176	94542	17.68	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.84	200	9705m	10.72	ng/ul	0.01
71) Anthracene-d10	17.57	188	130964	18.61	ng/ul	0.00
79) Pyrene-d10	19.85	212	139296	17.38	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	163430	19.53	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.97	128	2076383	420.76	ng/ul#	90
34) 2-Methylnaphthalene	12.56	142	796272	211.25	ng/ul	97
41) 1,1'-Biphenyl	13.55	154	285702	51.97	ng/ul	96
45) Dimethylphthalate	14.17	163	17200	2.86	ng/ul	99
48) Acenaphthylene	14.44	152	67318	9.24	ng/ul#	94
50) Acenaphthene	14.80	153	1156218	235.89	ng/ul	94
54) Dibenzofuran	15.13	168	1156403	158.59	ng/ul	95
59) Fluorene	15.78	166	1123702	191.91	ng/ul	98
70) Phenanthrene	17.54	178	3339026m	399.62	ng/ul	
72) Anthracene	17.61	178	366486	43.24	ng/ul	97
75) Carbazole	17.87	167	184821	25.95	ng/ul	99
77) Fluoranthene	19.53	202	2069098m	211.88	ng/ul	
80) Pyrene	19.89	202	1518307	145.89	ng/ul	97
83) Benzo(a)anthracene	21.72	228	429493	42.81	ng/ul	96
85) Chrysene	21.79	228	347816	36.81	ng/ul	96
88) Benzo(b)fluoranthene	23.97	252	197785	19.59	ng/ul	96
89) Benzo(k)fluoranthene	24.03	252	65727	6.78	ng/ul	98
91) Benzo(a)pyrene	24.85	252	108211	11.30	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	28.73	276	33681	2.95	ng/ul#	92
94) Benzo(g,h,i)perylene	29.89	276	24269m	2.60	ng/ul	

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

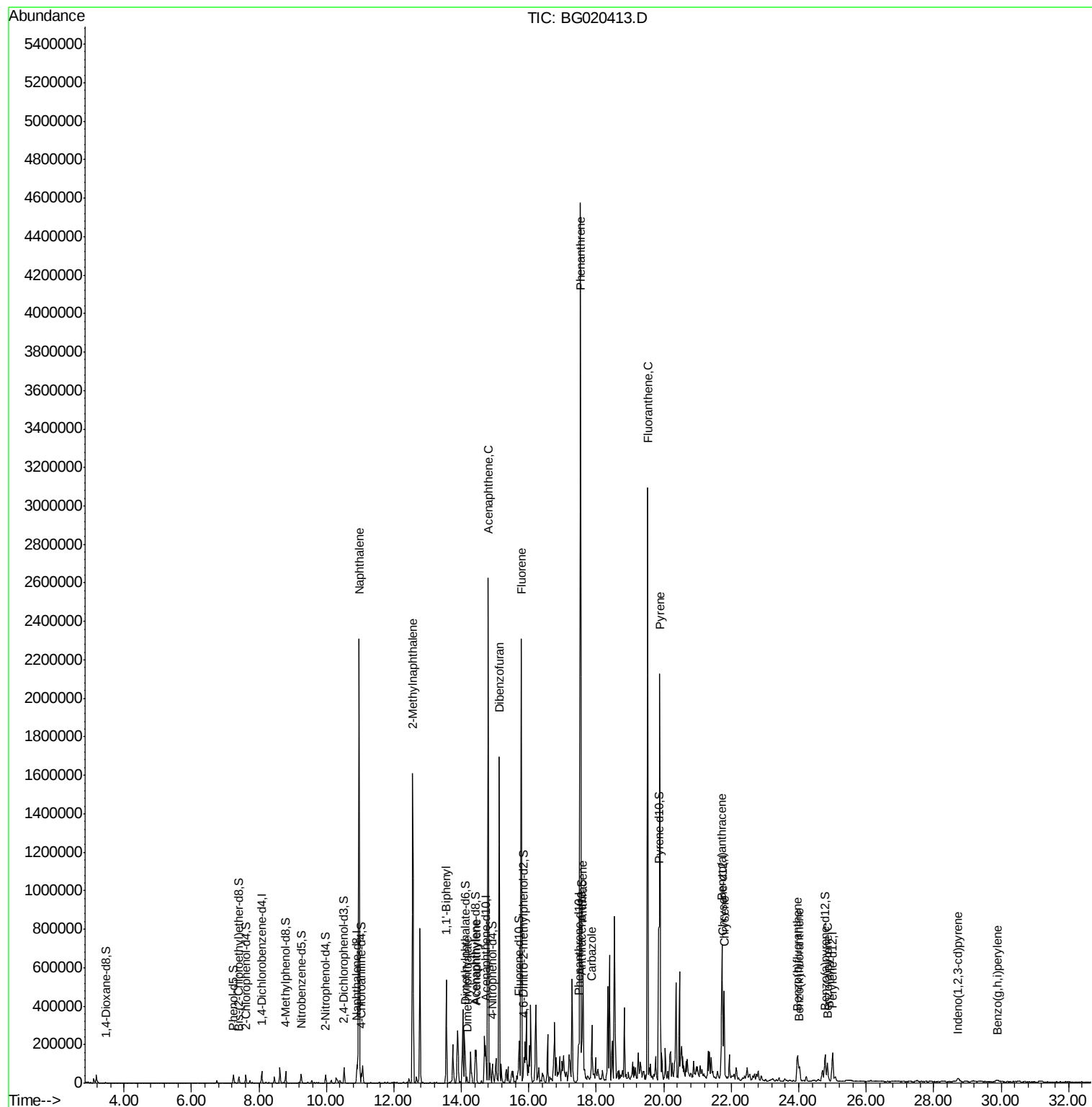
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020413.D
Acq On : 22 Dec 2015 17:35
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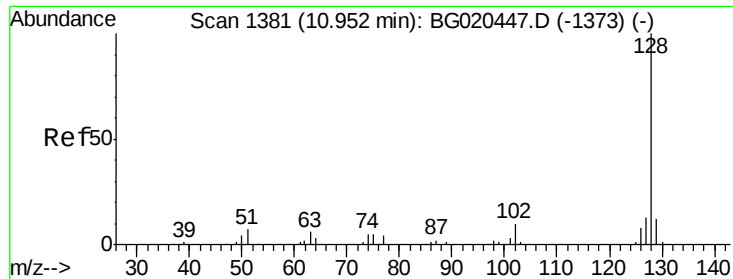
Instrument :
BNA_G
ClientSampleId :
D9N54ME

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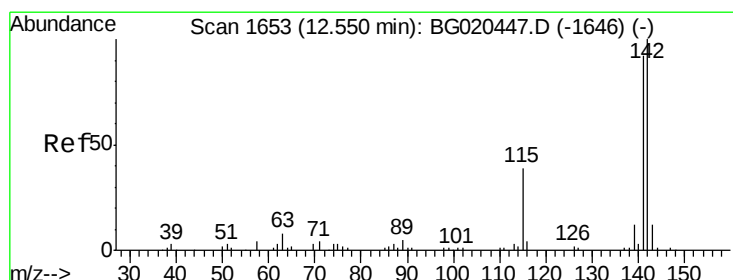
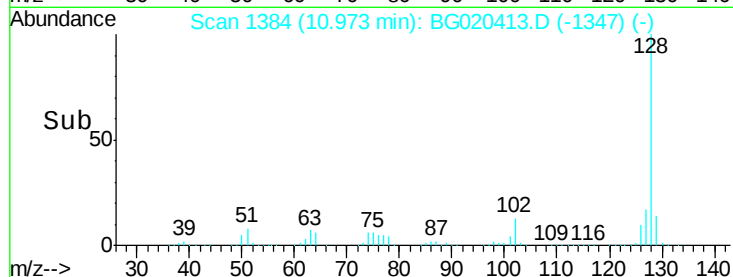
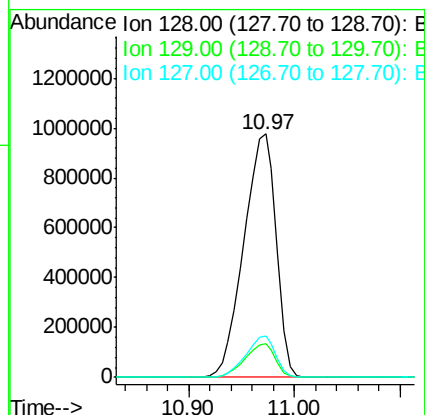
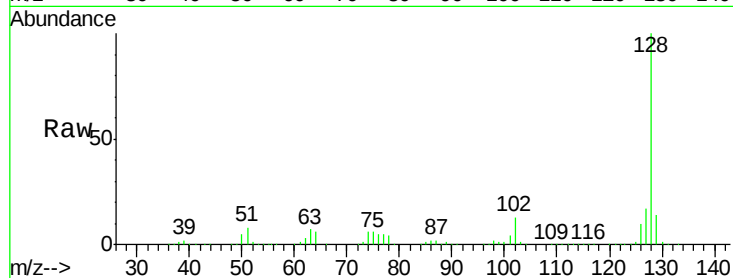
#28
Naphthalene
Concen: 420.76 ng/ul
RT: 10.97 min Scan# 1384
Delta R.T. 0.02 min
Lab File: BG020413.D
Acq: 22 Dec 2015 17:35

Instrument :
BNA_G
ClientSampleId :
D9N54ME

Tot Ion:128 Resp: 2076383
Ion Ratio Lower Upper
128 100
129 13.7 8.6 12.8#
127 17.0 10.1 15.1#

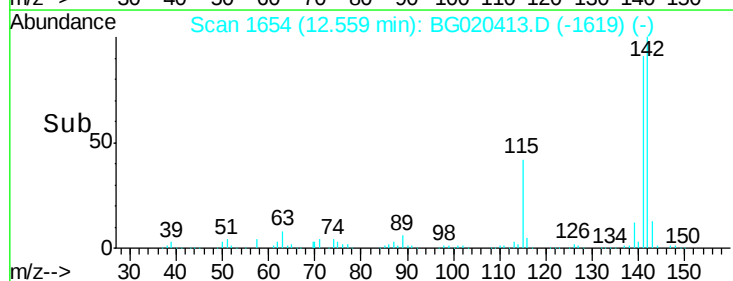
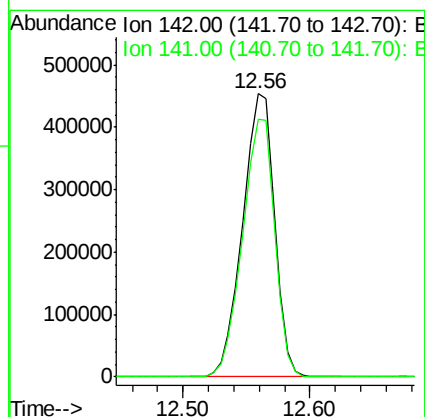
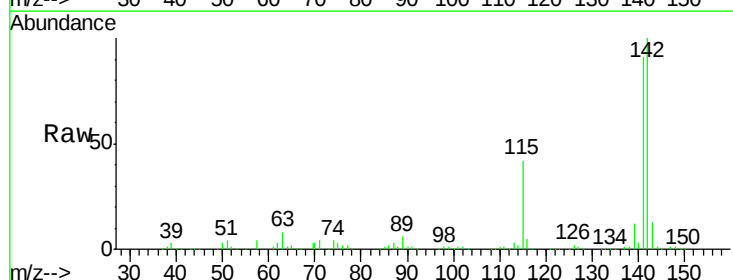
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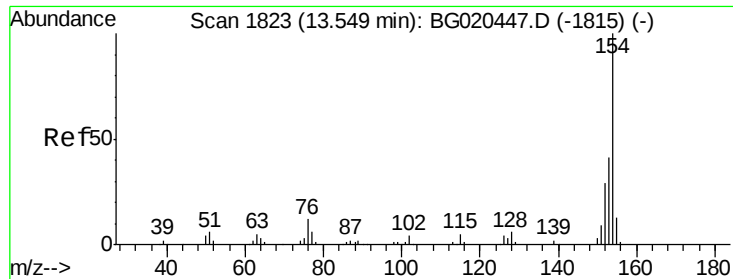
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#34
2-Methylnaphthalene
Concen: 211.25 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. 0.01 min
Lab File: BG020413.D
Acq: 22 Dec 2015 17:35

Tgt Ion:142 Resp: 796272
Ion Ratio Lower Upper
142 100
141 90.9 74.9 112.3





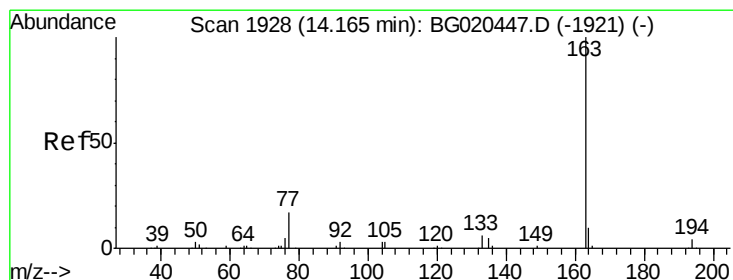
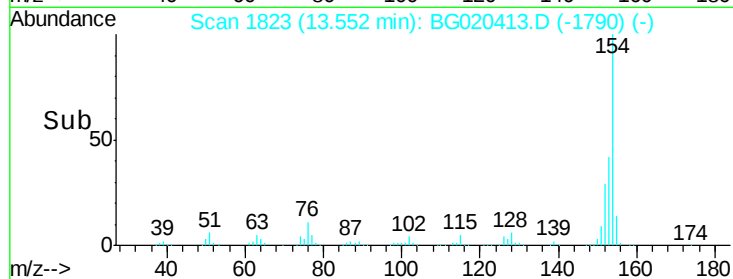
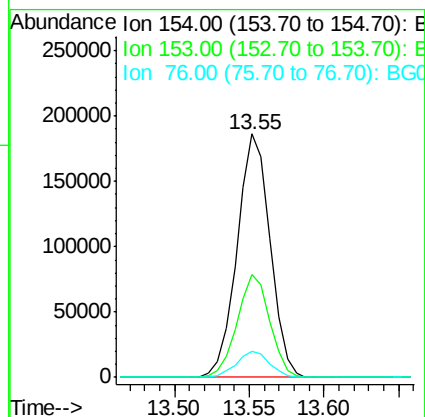
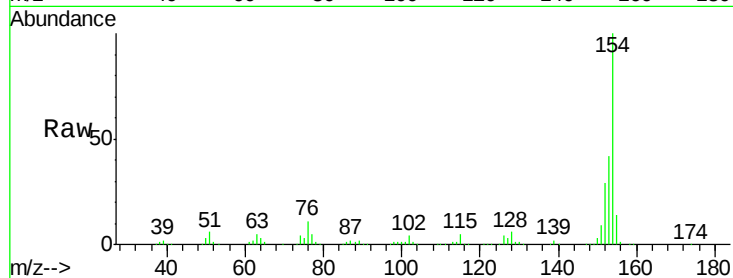
#41
1,1'-Biphenyl
Concen: 51.97 ng/ul
RT: 13.55 min Scan# 1823
Delta R.T. -0.00 min
Lab File: BG020413.D
Acq: 22 Dec 2015 17:35

Instrument :
BNA_G
ClientSampleId :
D9N54ME

Tot Ion	Ratio	Lower	Upper
154	100		
153	42.0	35.5	53.3
76	10.8	10.4	15.6

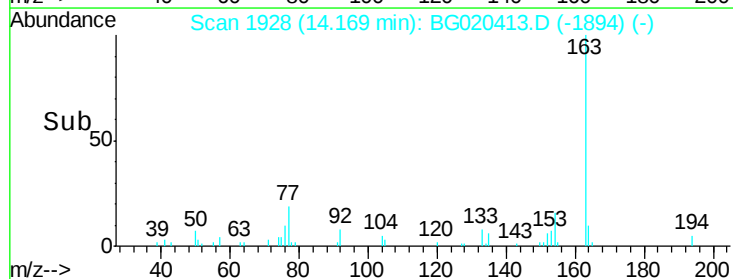
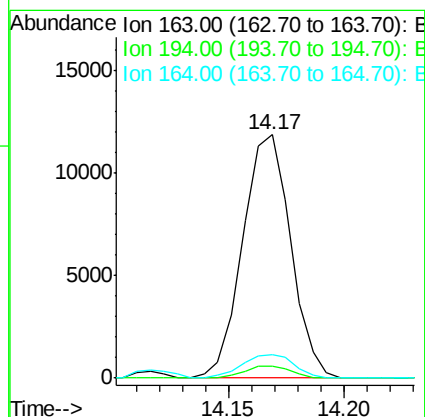
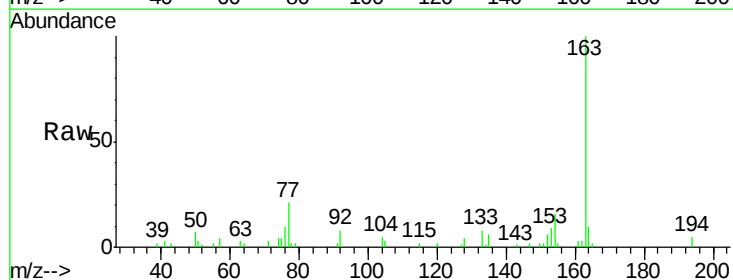
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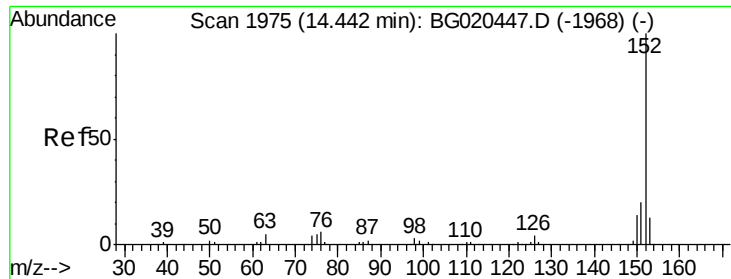
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#45
Dimethylphthalate
Concen: 2.86 ng/ul
RT: 14.17 min Scan# 1928
Delta R.T. 0.00 min
Lab File: BG020413.D
Acq: 22 Dec 2015 17:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.5	5.3
164	9.7	7.7	11.5





#48

Acenaphthylene

Concen: 9.24 ng/ul

RT: 14.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: BG020413.D

Acq: 22 Dec 2015 17:35

Instrument :

BNA_G

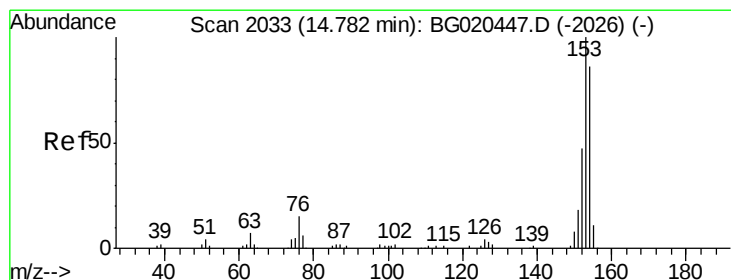
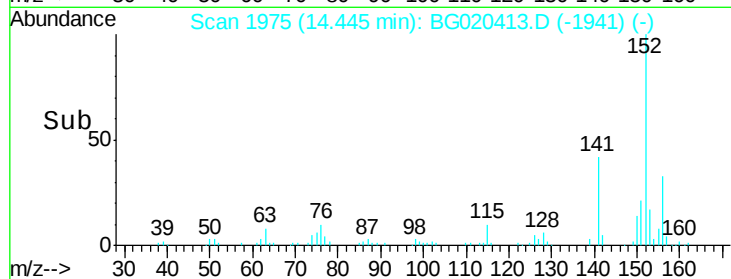
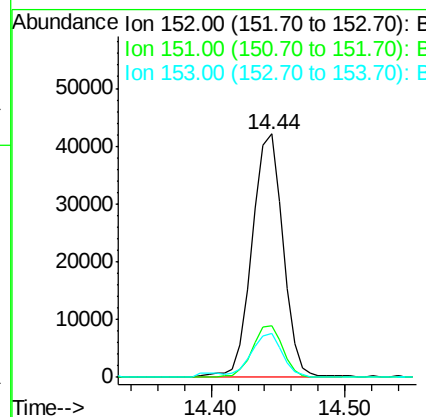
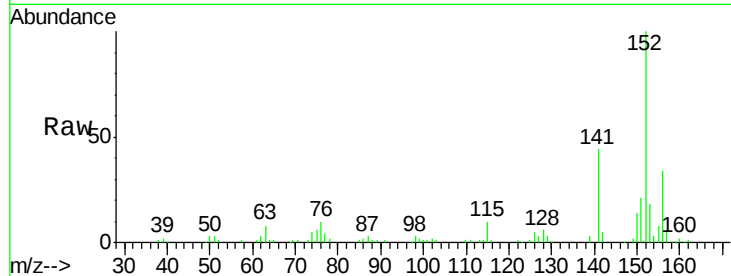
ClientSampleId :

D9N54ME

Tot Ion:	152	Resp:	67318
Ion Ratio	Lower	Upper	
152	100		
151	21.3	16.4	24.6
153	17.9	10.4	15.6

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#50

Acenaphthene

Concen: 235.89 ng/ul

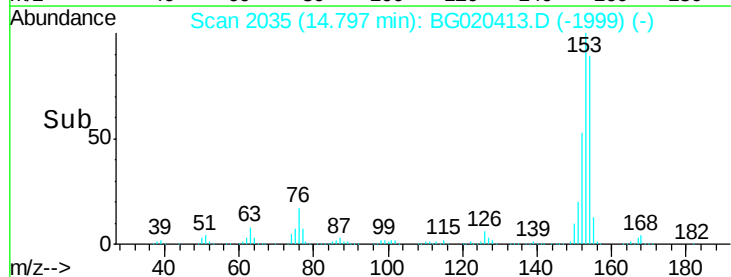
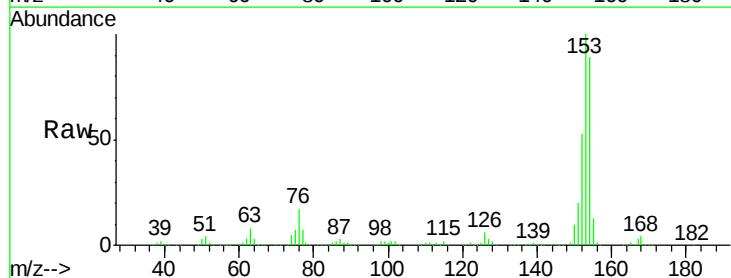
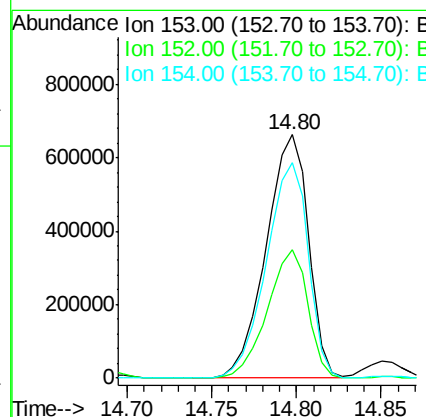
RT: 14.80 min Scan# 2035

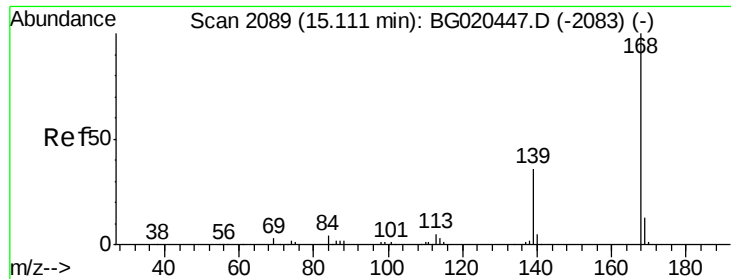
Delta R.T. 0.01 min

Lab File: BG020413.D

Acq: 22 Dec 2015 17:35

Tgt Ion:	153	Resp:	1156218
Ion Ratio	Lower	Upper	
153	100		
152	52.7	37.6	56.4
154	88.6	67.9	101.9





#54

Dibenzenofuran

Concen: 158.59 ng/ul

RT: 15.13 min Scan# 2091

Delta R.T. 0.01 min

Lab File: BG020413.D

Acq: 22 Dec 2015 17:35

Instrument :

BNA_G

ClientSampleId :

D9N54ME

Tot Ion:168 Resp: 1156403

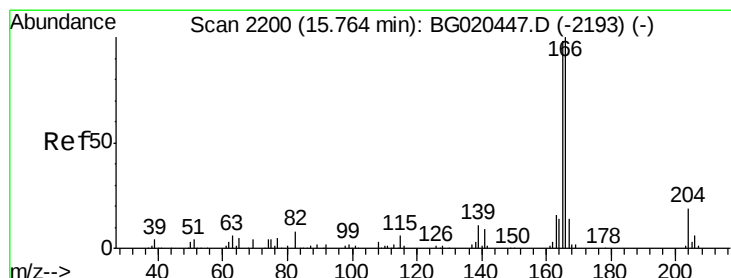
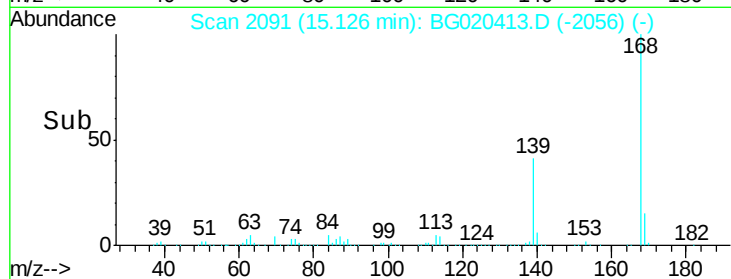
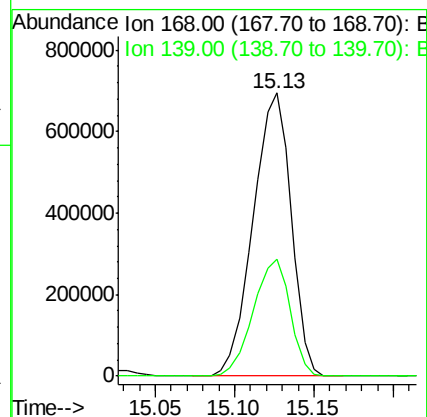
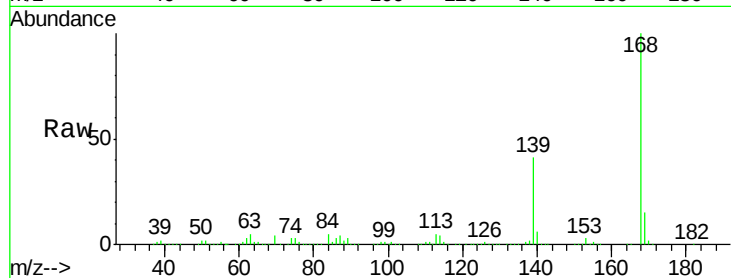
Ion Ratio Lower Upper

168 100

139 41.3 30.5 45.7

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#59

Fluorene

Concen: 191.91 ng/ul

RT: 15.78 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BG020413.D

Acq: 22 Dec 2015 17:35

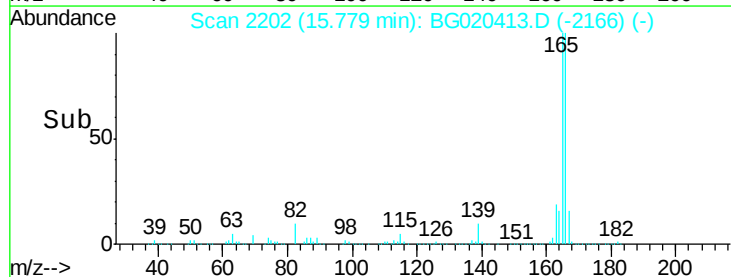
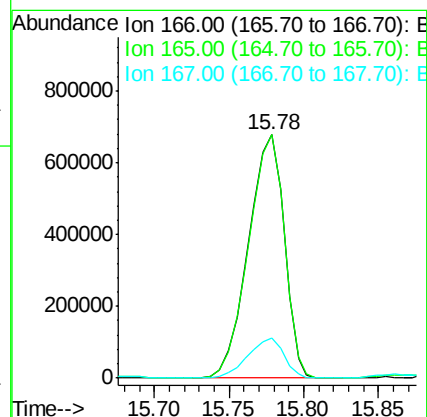
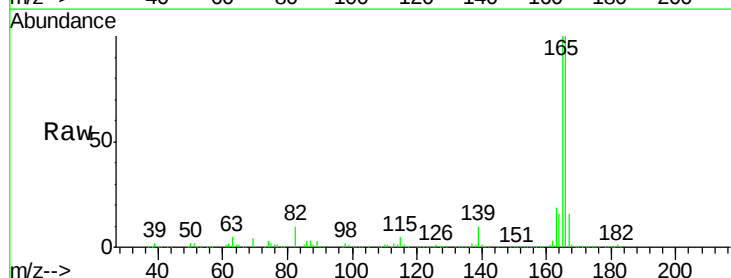
Tgt Ion:166 Resp: 1123702

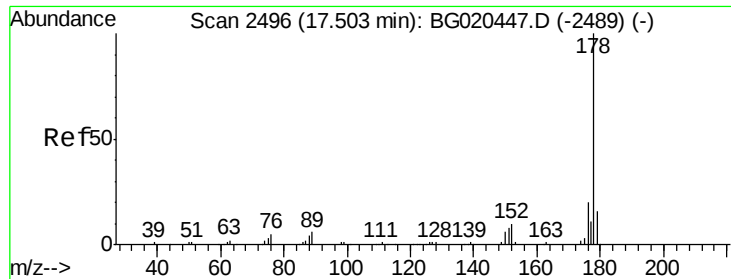
Ion Ratio Lower Upper

166 100

165 99.9 81.4 122.0

167 16.4 11.2 16.8





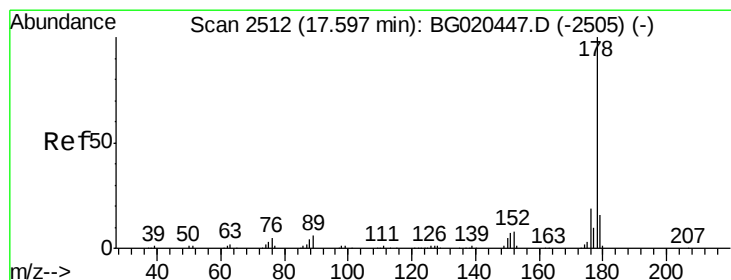
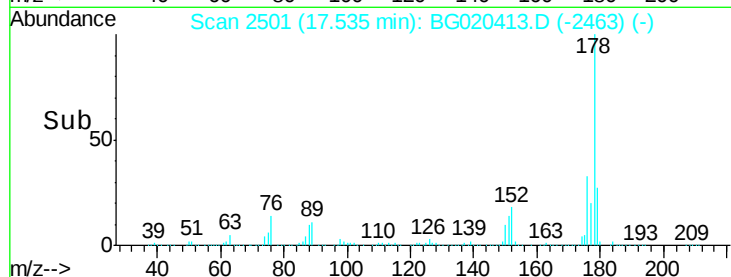
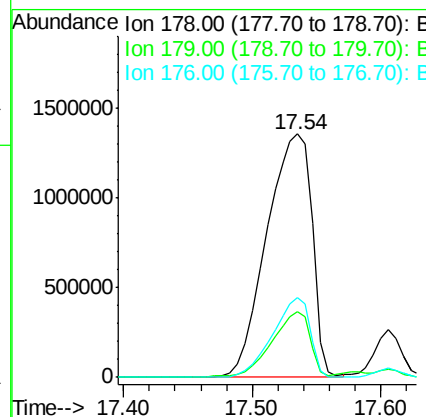
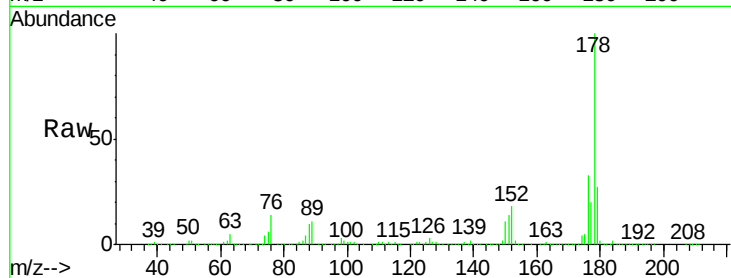
#70
Phenanthrene
Concen: 399.62 ng/ul m
RT: 17.54 min Scan# 2501
Delta R.T. 0.03 min
Lab File: BG020413.D
Acq: 22 Dec 2015 17:35

Instrument :
BNA_G
ClientSampleId :
D9N54ME

Tot Ion:178 Resp: 3339026
Ion Ratio Lower Upper
178 100
179 26.9 12.9 19.3#
176 32.5 15.3 22.9#

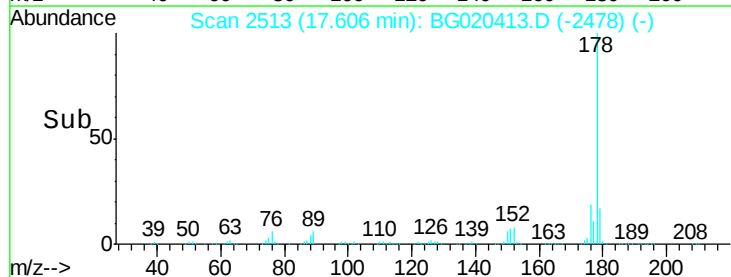
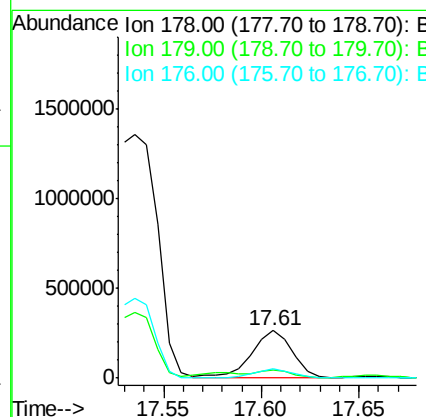
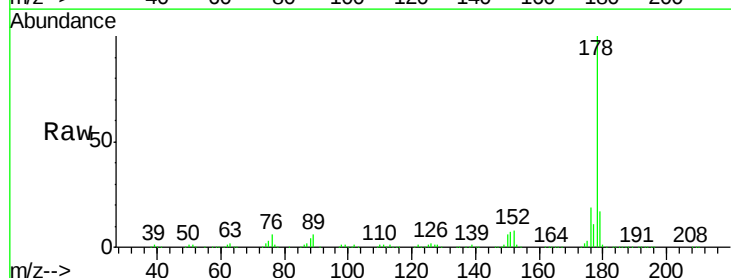
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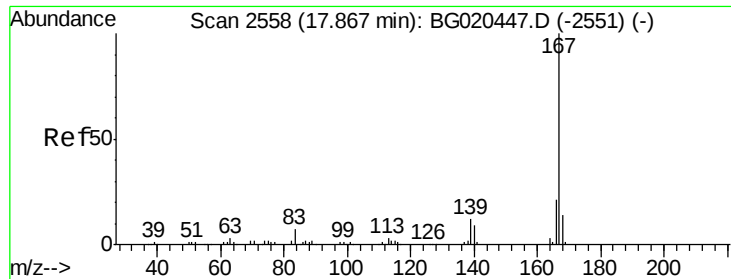
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#72
Anthracene
Concen: 43.24 ng/ul
RT: 17.61 min Scan# 2513
Delta R.T. 0.01 min
Lab File: BG020413.D
Acq: 22 Dec 2015 17:35

Tgt Ion:178 Resp: 366486
Ion Ratio Lower Upper
178 100
179 17.1 12.3 18.5
176 19.1 14.3 21.5





#75

Carbazole

Concen: 25.95 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. 0.00 min

Lab File: BG020413.D

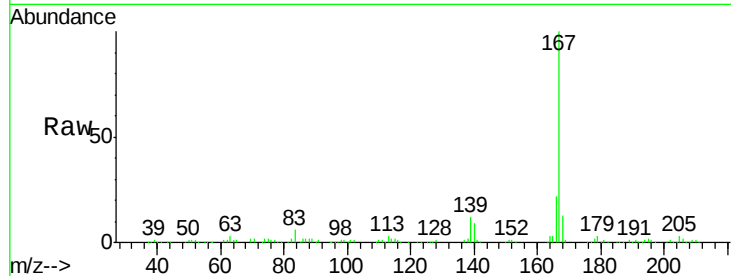
Acq: 22 Dec 2015 17:35

Instrument :

BNA_G

ClientSampleId :

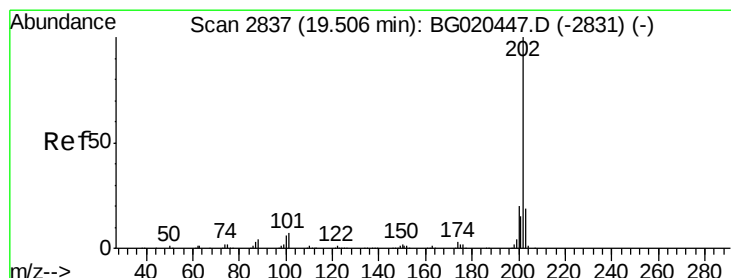
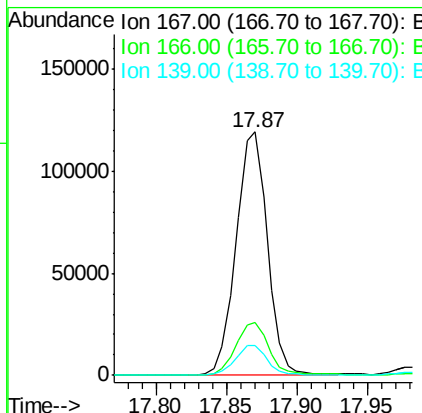
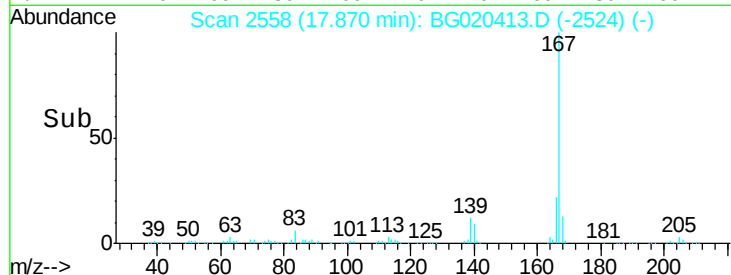
D9N54ME



Tot Ion:	167	Resp:	184821
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.0	25.6
139	12.4	10.1	15.1

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#77

Fluoranthene

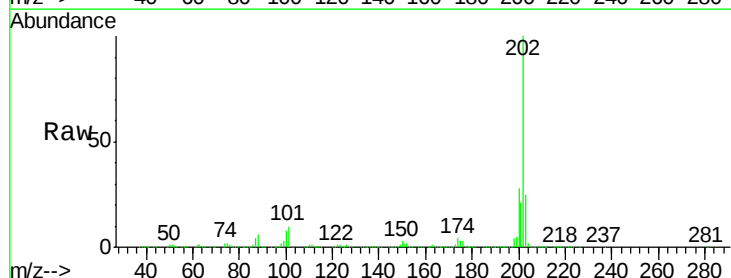
Concen: 211.88 ng/ul m

RT: 19.53 min Scan# 2840

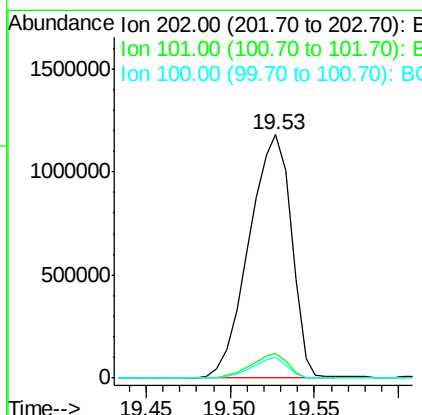
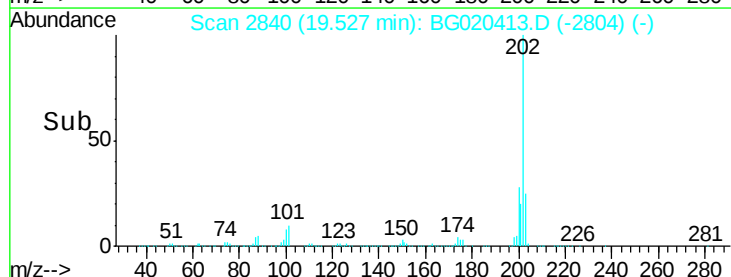
Delta R.T. 0.01 min

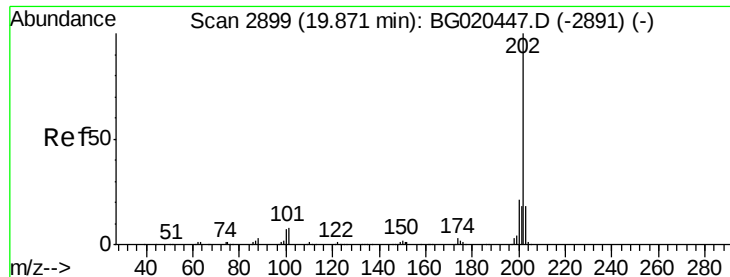
Lab File: BG020413.D

Acq: 22 Dec 2015 17:35



Tgt Ion:	202	Resp:	2069098
Ion Ratio	Lower	Upper	
202	100		
101	10.3	6.2	9.4#
100	8.4	5.1	7.7#





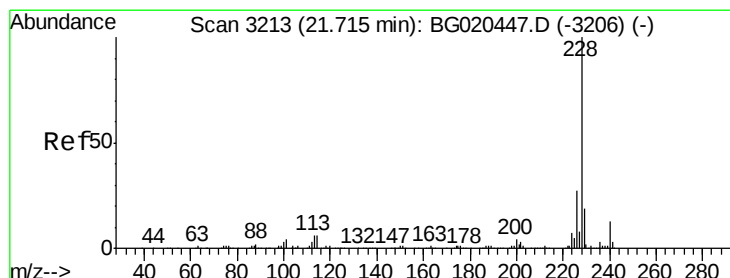
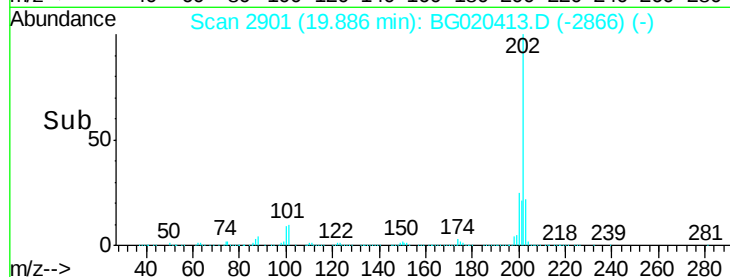
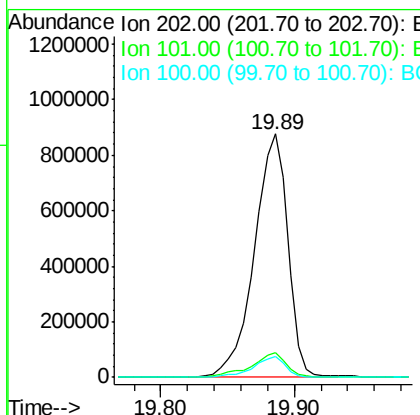
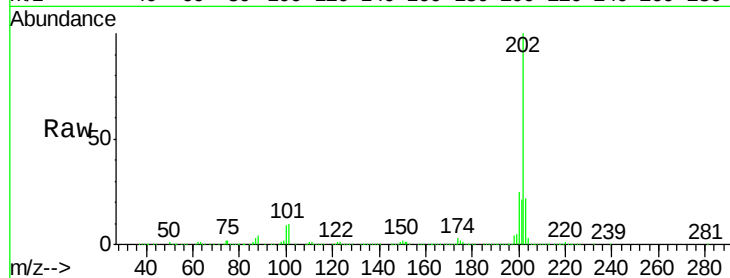
#80
Pvrene
Concen: 145.89 ng/ul
RT: 19.89 min Scan# 2901
Delta R.T. 0.01 min
Lab File: BG020413.D
Acq: 22 Dec 2015 17:35

Instrument :
BNA_G
ClientSampleId :
D9N54ME

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.0	10.4
100	8.7	6.4	9.6

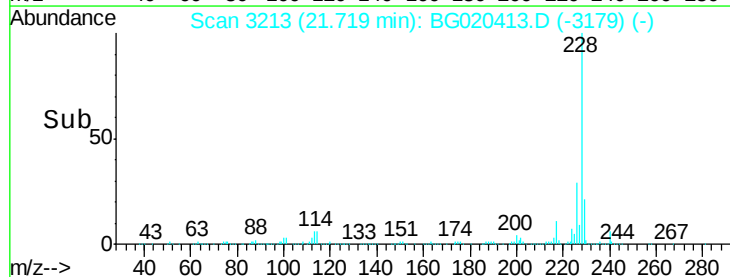
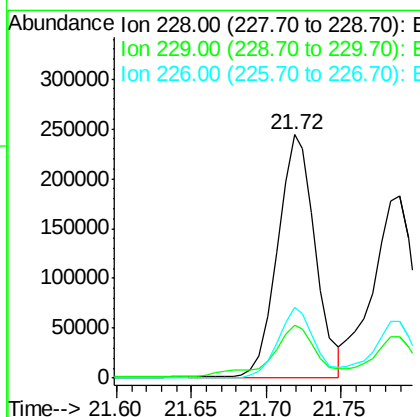
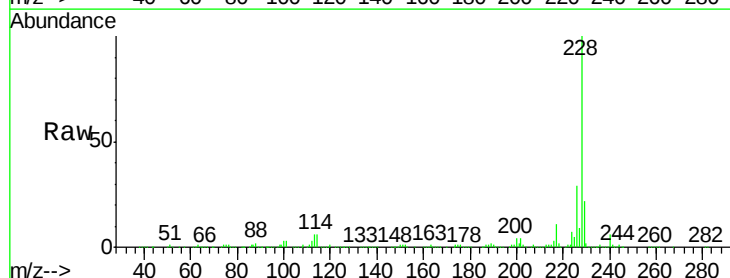
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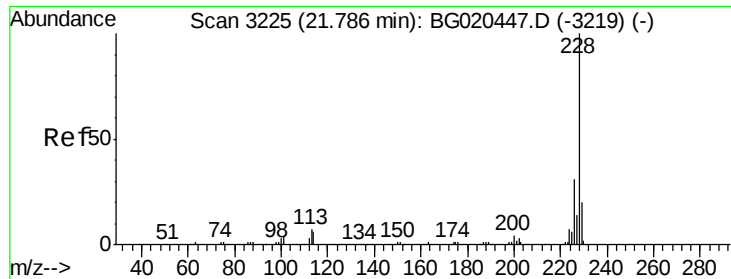
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#83
Benzo(a)anthracene
Concen: 42.81 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. 0.00 min
Lab File: BG020413.D
Acq: 22 Dec 2015 17:35

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.7	15.8	23.8
226	28.9	21.8	32.6





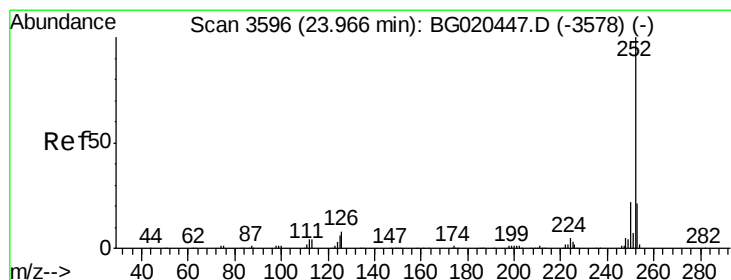
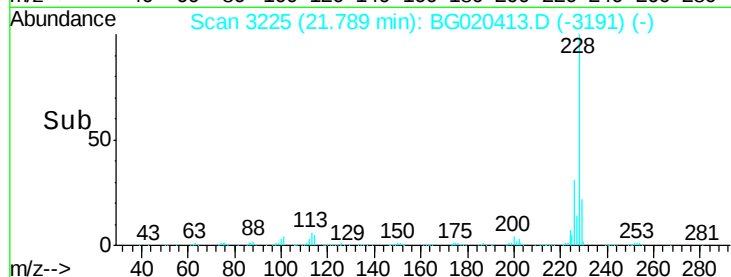
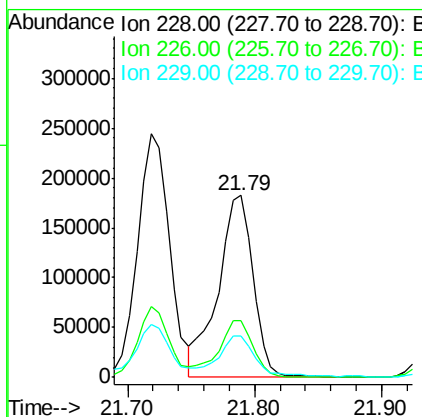
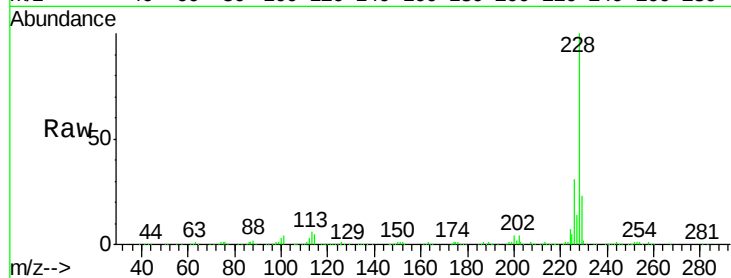
#85
Chrysene
Concen: 36.81 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. 0.00 min
Lab File: BG020413.D
Acq: 22 Dec 2015 17:35

Instrument :
BNA_G
ClientSampleId :
D9N54ME

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.9	35.9
229	22.7	15.6	23.4

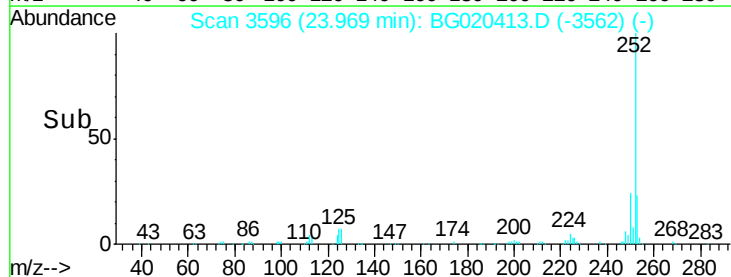
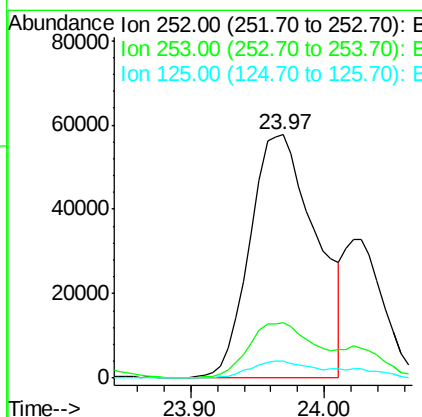
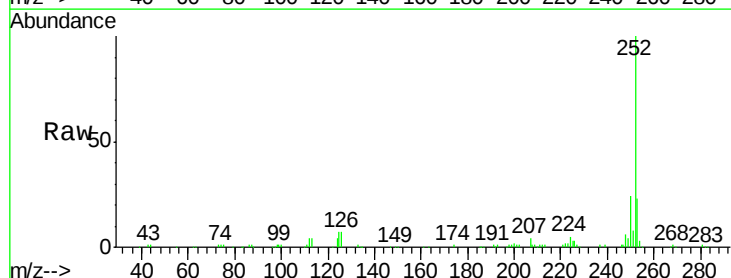
Manual Integrations
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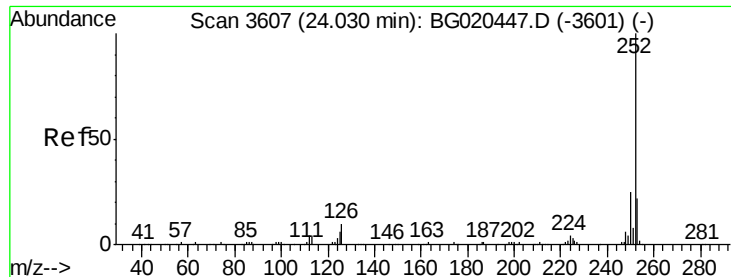
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#88
Benzo(b)fluoranthene
Concen: 19.59 ng/ul
RT: 23.97 min Scan# 3596
Delta R.T. 0.00 min
Lab File: BG020413.D
Acq: 22 Dec 2015 17:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.7	25.1
125	6.8	6.2	9.2





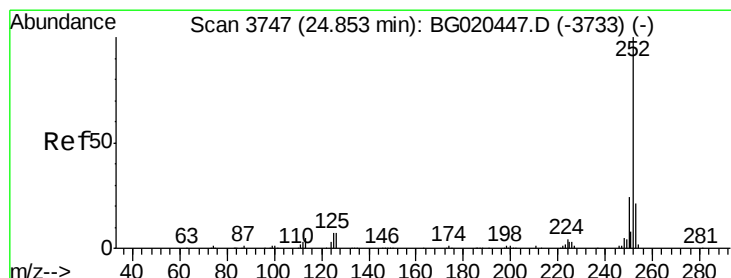
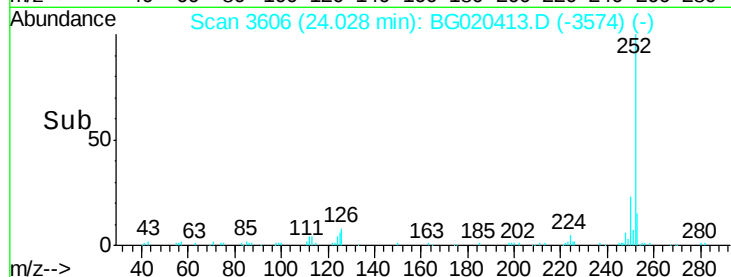
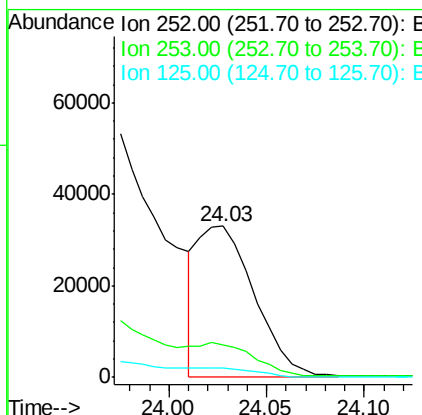
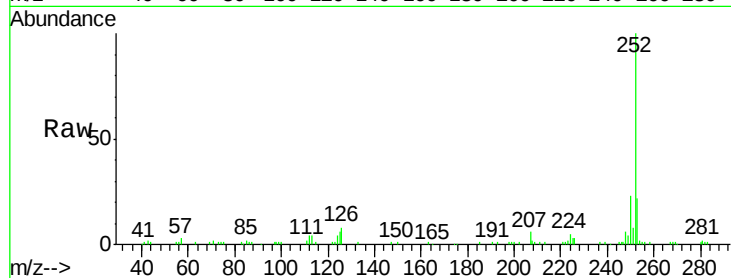
#89
Benzo(k)fluoranthene
Concen: 6.78 ng/ul
RT: 24.03 min Scan# 3606
Delta R.T. -0.01 min
Lab File: BG020413.D
Acq: 22 Dec 2015 17:35

Instrument :
BNA_G
ClientSampleId :
D9N54ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	6.3	5.8	8.6

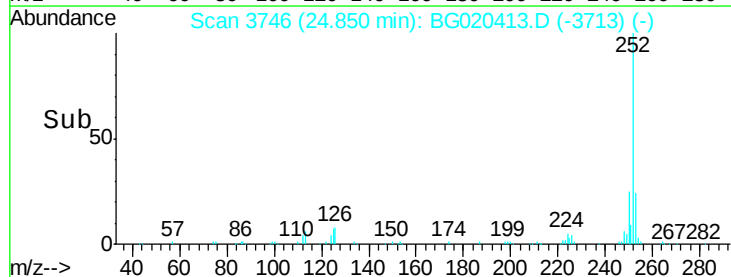
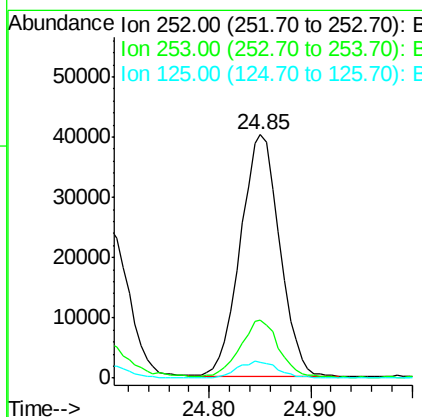
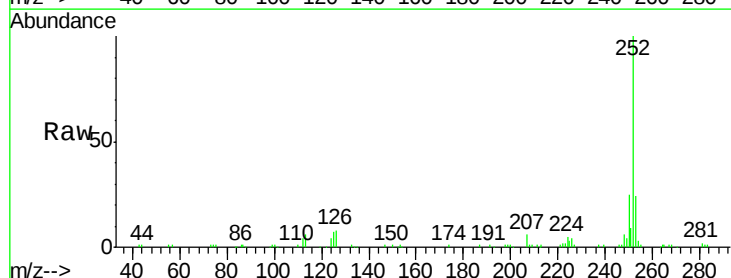
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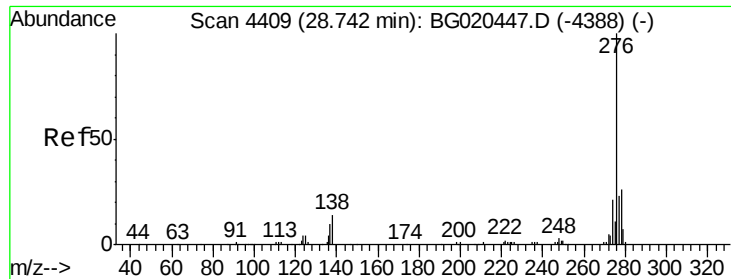
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#91
Benzo(a)pyrene
Concen: 11.30 ng/ul
RT: 24.85 min Scan# 3746
Delta R.T. -0.00 min
Lab File: BG020413.D
Acq: 22 Dec 2015 17:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.4
125	6.7	6.2	9.4





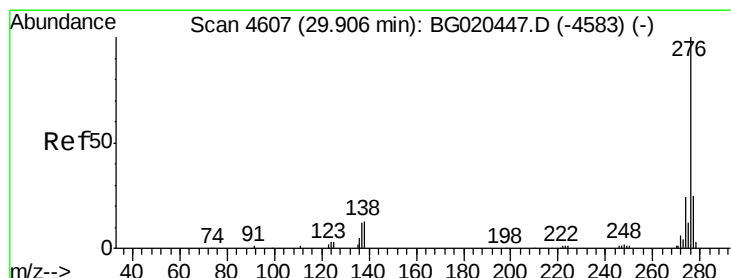
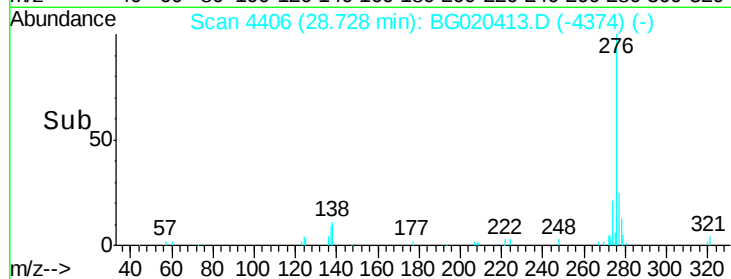
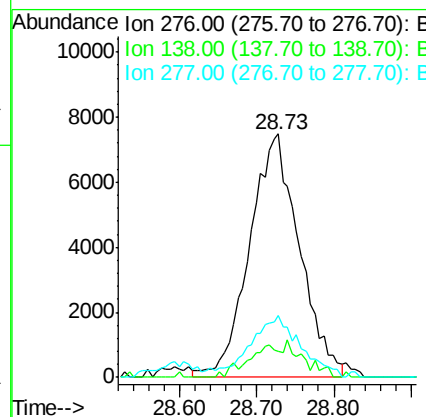
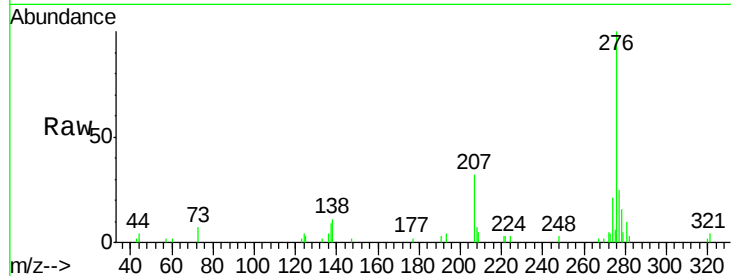
#92
Indeno(1,2,3-cd)pyrene
Concen: 2.95 ng/ul
RT: 28.73 min Scan# 4406
Delta R.T. -0.01 min
Lab File: BG020413.D
Acq: 22 Dec 2015 17:35

Instrument :
BNA_G
ClientSampleId :
D9N54ME

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.9	11.4	17.0#
277	25.2	17.4	26.0

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 2.60 ng/ul m
RT: 29.89 min Scan# 4603
Delta R.T. -0.02 min
Lab File: BG020413.D
Acq: 22 Dec 2015 17:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.7	10.8	16.2
277	24.4	19.9	29.9

