

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020411.D
 Acq On : 22 Dec 2015 16:16
 Operator : UM/SJ
 Sample : G4848-04ME
 Misc : med level RX
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N50ME

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:34:30 PM

Quant Time: Dec 23 05:43:01 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	8.08	152	15401	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	77773	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	59661	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	125642	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	156008	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	152726	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	821	2.94	ng/uL	0.00
5) Phenol-d5	7.24	99	24337	17.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	16239	20.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	20277	20.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	22849	19.67	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	12745	21.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	15608	23.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	26917	19.70	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	29660	19.32	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	103911	21.53	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	119264	21.24	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	10755	12.43	ng/ul	0.00
58) Fluorene-d10	15.71	176	91187	20.83	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	10129	13.60	ng/ul	0.00
71) Anthracene-d10	17.57	188	131460	22.71	ng/ul	0.01
79) Pyrene-d10	19.85	212	148962	20.49	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	175798	23.08	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.96	128	1565450	385.44	ng/ul#	93
34) 2-Methylnaphthalene	12.56	142	562179	181.21	ng/ul	98
41) 1,1'-Biphenyl	13.55	154	231735	51.48	ng/ul	95
45) Dimethylphthalate	14.17	163	15952	3.24	ng/ul	98
48) Acenaphthylene	14.44	152	69196	11.60	ng/ul#	96
50) Acenaphthene	14.79	153	995221	247.98	ng/ul	96
54) Dibenzofuran	15.12	168	1008144	168.86	ng/ul	96
59) Fluorene	15.78	166	959631	200.16	ng/ul	98
70) Phenanthrene	17.53	178	3129436m	455.36	ng/ul	
72) Anthracene	17.60	178	313563	44.98	ng/ul	99
75) Carbazole	17.87	167	188214	32.14	ng/ul	99
77) Fluoranthene	19.52	202	2077510	258.66	ng/ul#	93
80) Pyrene	19.88	202	1535590	162.63	ng/ul	97
83) Benzo(a)anthracene	21.72	228	425791	46.77	ng/ul	98
85) Chrysene	21.79	228	357502	41.70	ng/ul	98
88) Benzo(b)fluoranthene	23.97	252	204210	22.22	ng/ul	96
89) Benzo(k)fluoranthene	24.03	252	72760m	8.25	ng/ul	
91) Benzo(a)pyrene	24.85	252	114514	13.14	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.71	276	36422m	3.51	ng/ul	
94) Benzo(g,h,i)perylene	29.88	276	26021	3.06	ng/ul	98

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

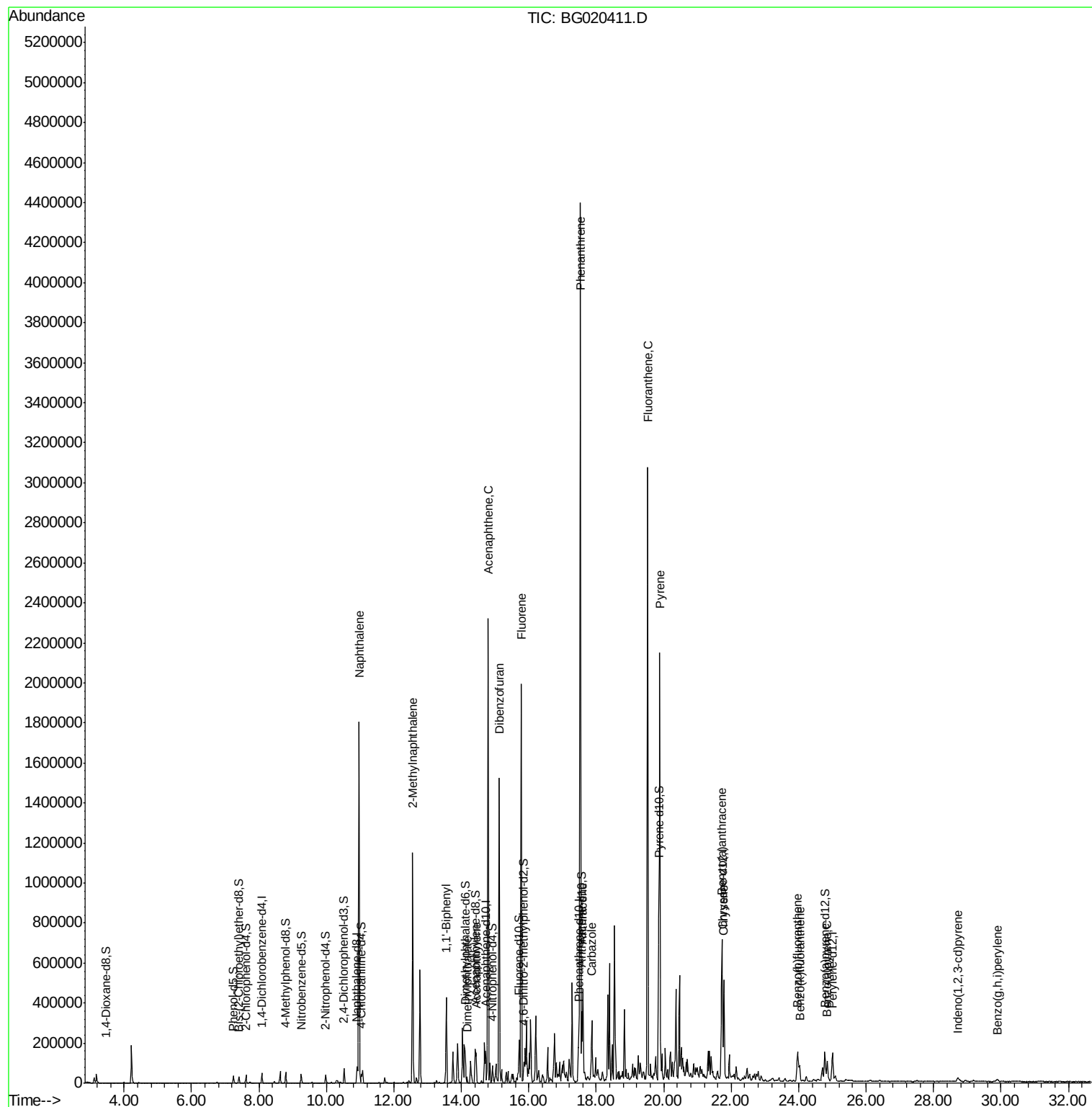
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020411.D
Acq On : 22 Dec 2015 16:16
Operator : UM/SJ
Sample : G4848-04ME
Misc : med level RX
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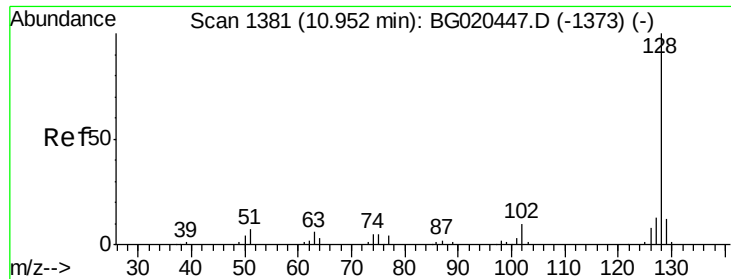
Instrument :
BNA_G
ClientSampleId :
D9N50ME

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Quant Time: Dec 23 05:43:01 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
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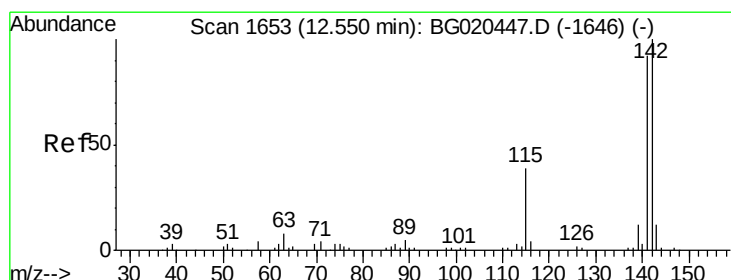
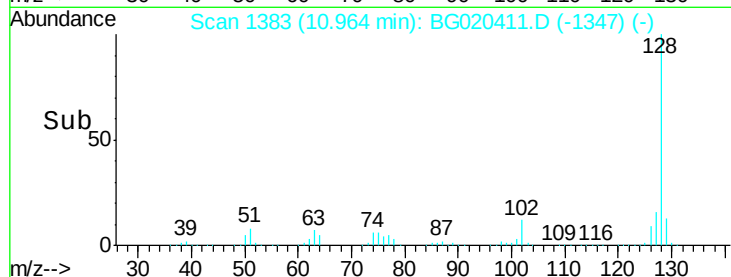
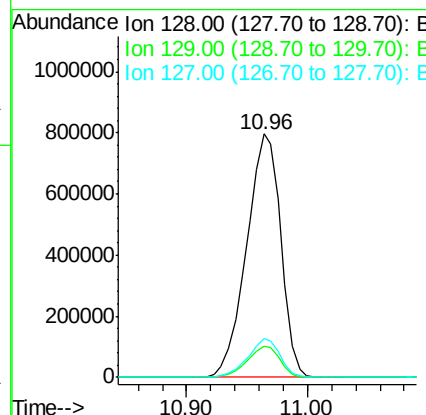
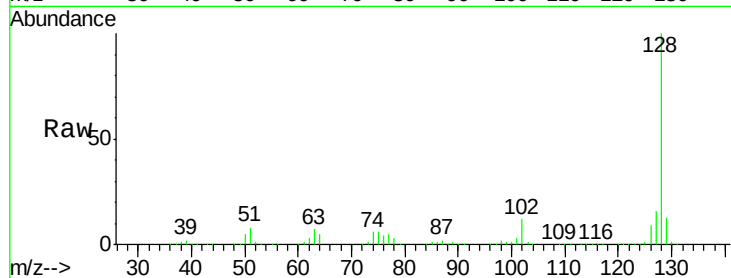
#28
Naphthalene
Concen: 385.44 ng/ul
RT: 10.96 min Scan# 1383
Delta R.T. 0.01 min
Lab File: BG020411.D
Acq: 22 Dec 2015 16:16

Instrument :
BNA_G
ClientSampleId :
D9N50ME

Tot Ion:128 Resp: 1565450
Ion Ratio Lower Upper
128 100
129 12.9 8.6 12.8#
127 15.8 10.1 15.1#

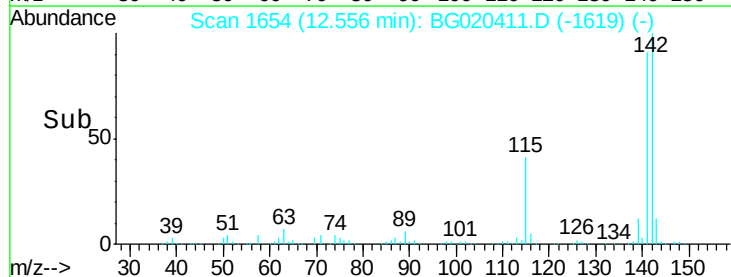
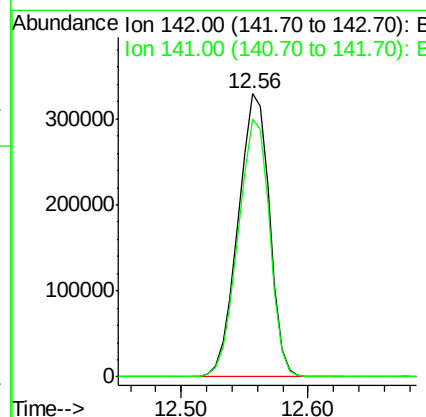
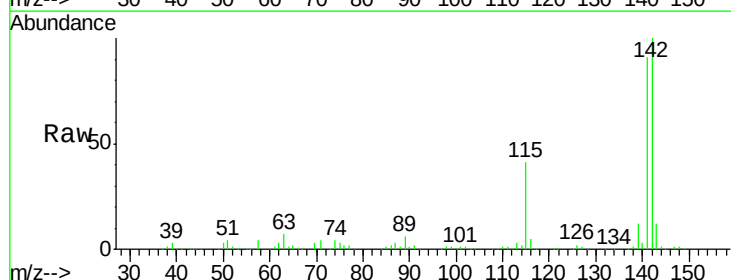
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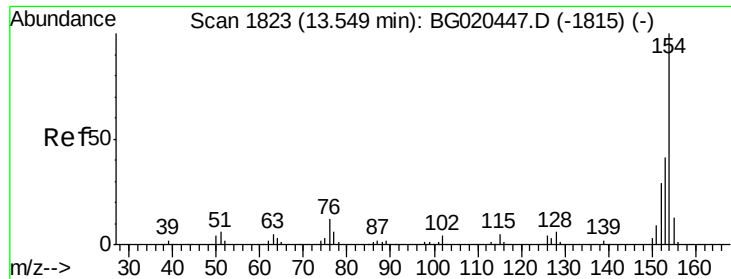
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#34
2-Methylnaphthalene
Concen: 181.21 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. 0.01 min
Lab File: BG020411.D
Acq: 22 Dec 2015 16:16

Tgt Ion:142 Resp: 562179
Ion Ratio Lower Upper
142 100
141 91.3 74.9 112.3





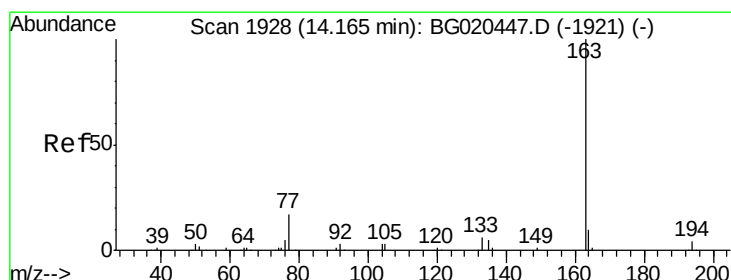
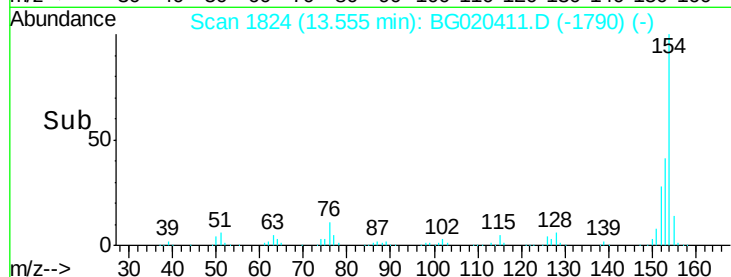
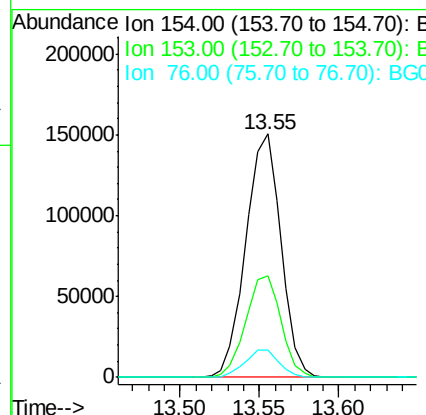
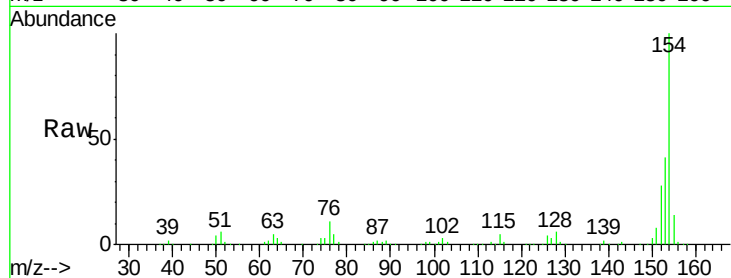
#41
 1,1'-Biphenyl
 Concen: 51.48 ng/ul
 RT: 13.55 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG020411.D
 Acq: 22 Dec 2015 16:16

Instrument :
 BNA_G
 ClientSampleId :
 D9N50ME

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.5	35.5	53.3
76	11.2	10.4	15.6

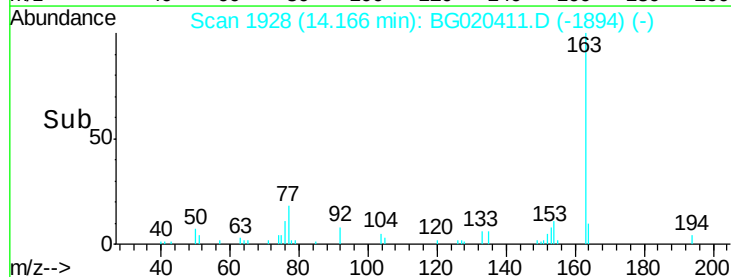
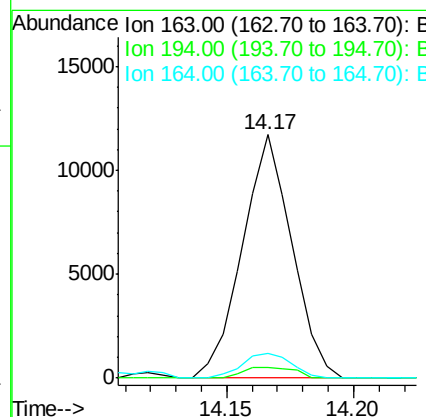
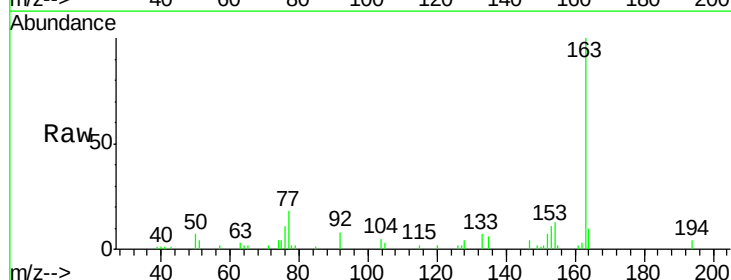
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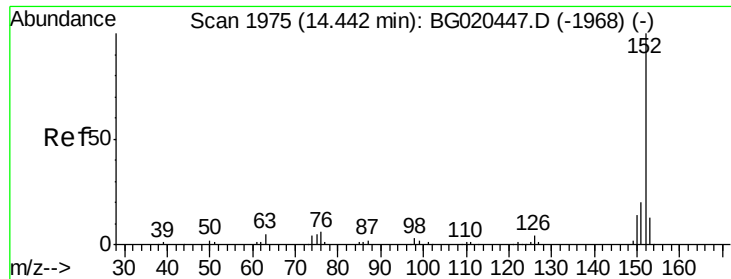
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#45
 Dimethylphthalate
 Concen: 3.24 ng/ul
 RT: 14.17 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: BG020411.D
 Acq: 22 Dec 2015 16:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.4	7.7	11.5





#48

Acenaphthylene

Concen: 11.60 ng/ul

RT: 14.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG020411.D

Acq: 22 Dec 2015 16:16

Instrument :

BNA_G

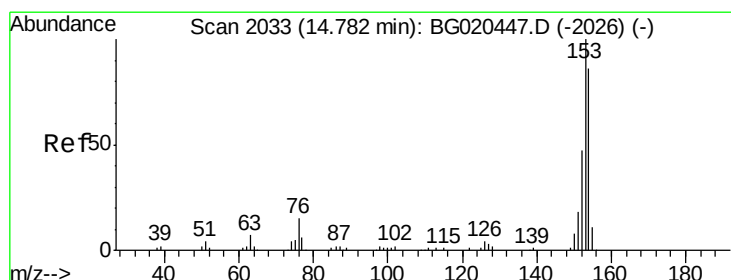
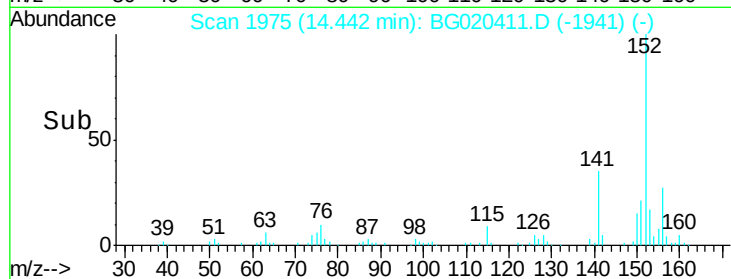
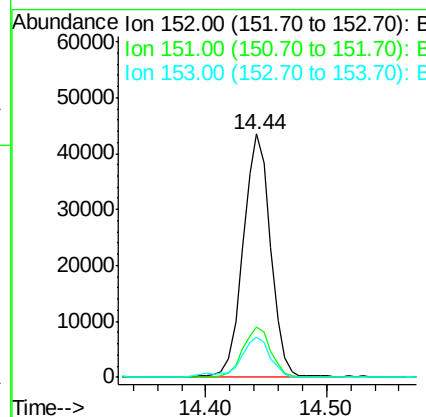
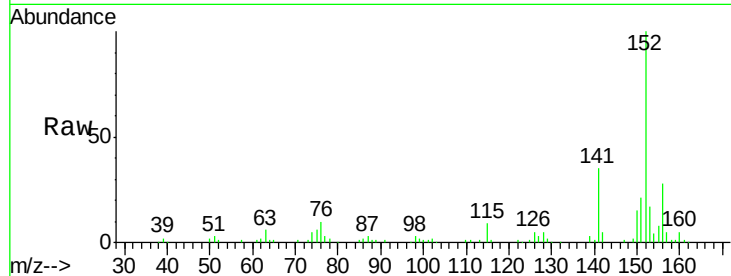
ClientSampleId :

D9N50ME

Tot Ion:	152	Resp:	69196
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.4	24.6
153	16.6	10.4	15.6

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#50

Acenaphthene

Concen: 247.98 ng/ul

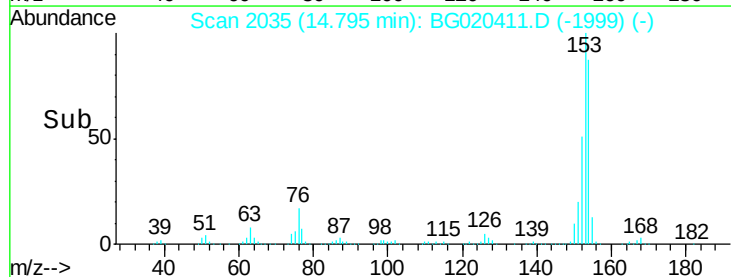
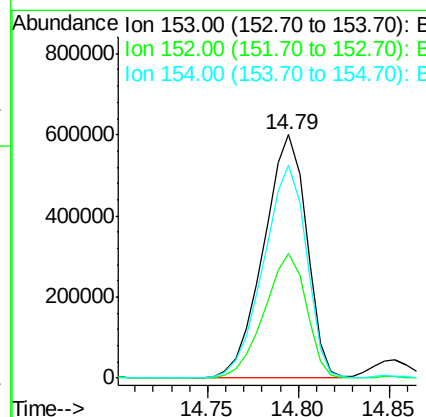
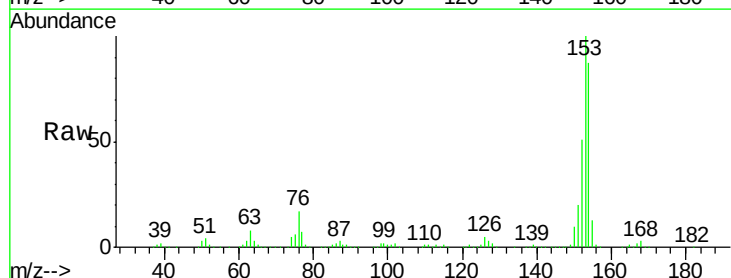
RT: 14.79 min Scan# 2035

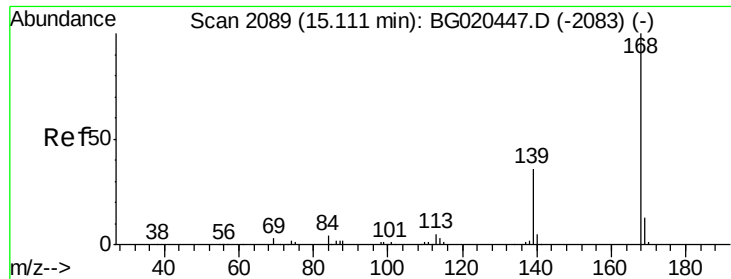
Delta R.T. 0.01 min

Lab File: BG020411.D

Acq: 22 Dec 2015 16:16

Tgt Ion:	153	Resp:	995221
Ion Ratio	Lower	Upper	
153	100		
152	51.2	37.6	56.4
154	87.2	67.9	101.9





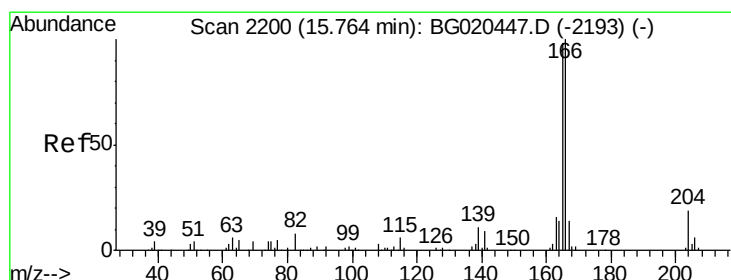
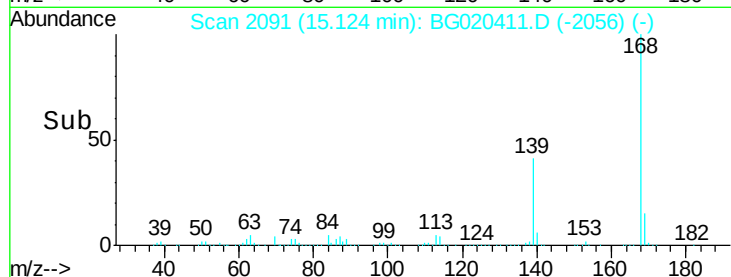
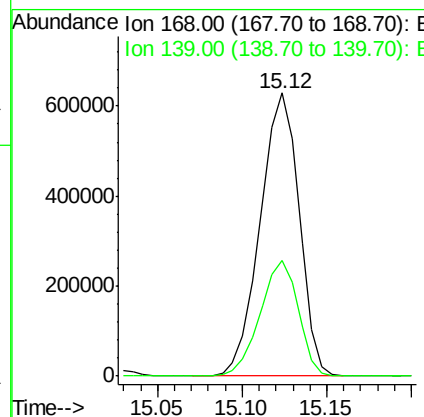
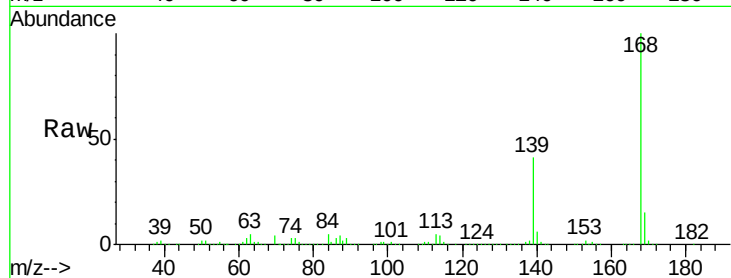
#54
Dibenzenofuran
Concen: 168.86 ng/ul
RT: 15.12 min Scan# 2091
Delta R.T. 0.01 min
Lab File: BG020411.D
Acq: 22 Dec 2015 16:16

Instrument :
BNA_G
ClientSampleId :
D9N50ME

Tot Ion:168 Resp: 1008144
Ion Ratio Lower Upper
168 100
139 40.7 30.5 45.7

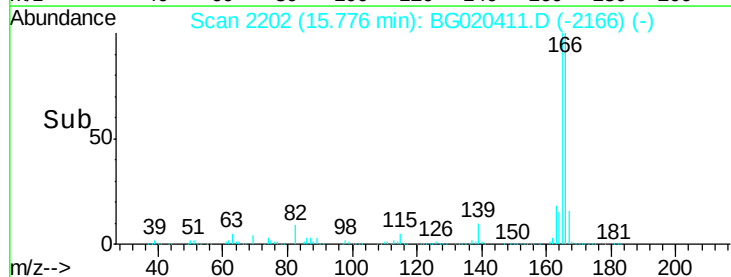
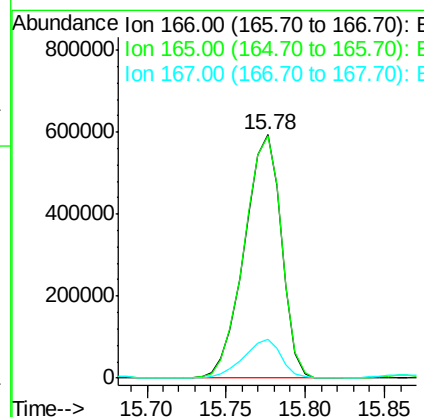
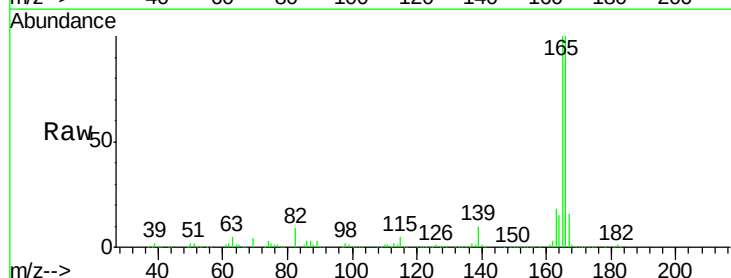
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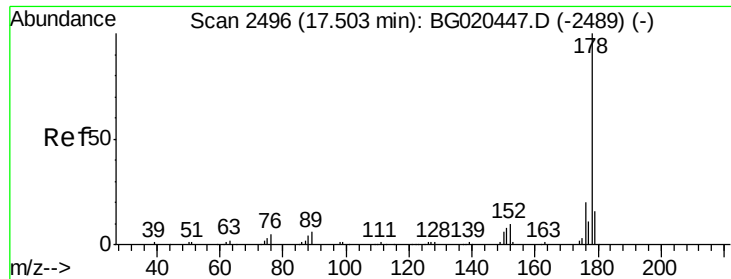
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#59
Fluorene
Concen: 200.16 ng/ul
RT: 15.78 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BG020411.D
Acq: 22 Dec 2015 16:16

Tgt Ion:166 Resp: 959631
Ion Ratio Lower Upper
166 100
165 99.8 81.4 122.0
167 15.8 11.2 16.8





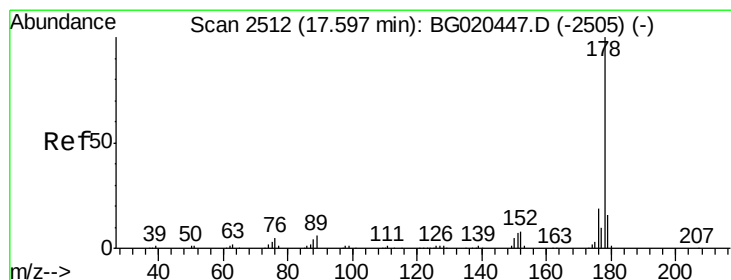
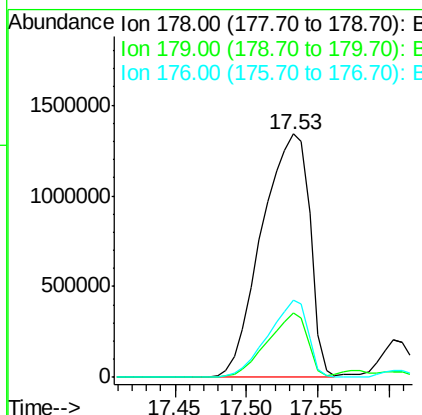
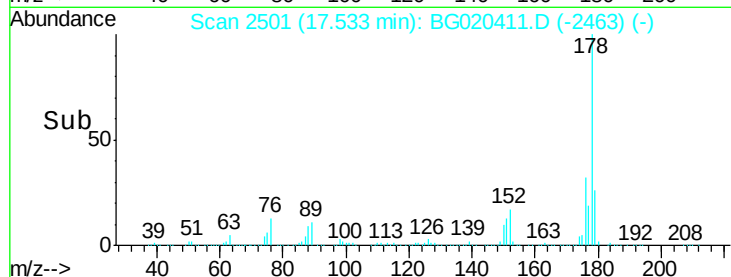
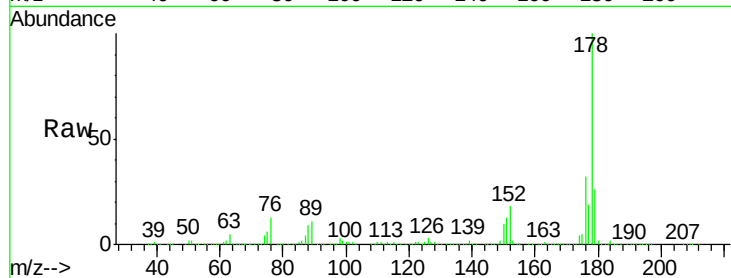
#70
 Phenanthrene
 Concen: 455.36 ng/ul m
 RT: 17.53 min Scan# 2501
 Delta R.T. 0.02 min
 Lab File: BG020411.D
 Acq: 22 Dec 2015 16:16

Instrument :
 BNA_G
 ClientSampleId :
 D9N50ME

Tot Ion:178 Resp: 3129436
 Ion Ratio Lower Upper
 178 100
 179 26.4 12.9 19.3#
 176 31.7 15.3 22.9#

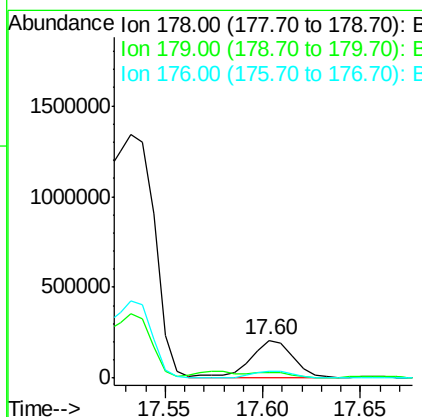
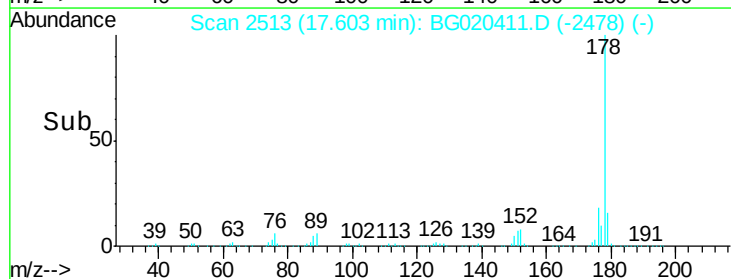
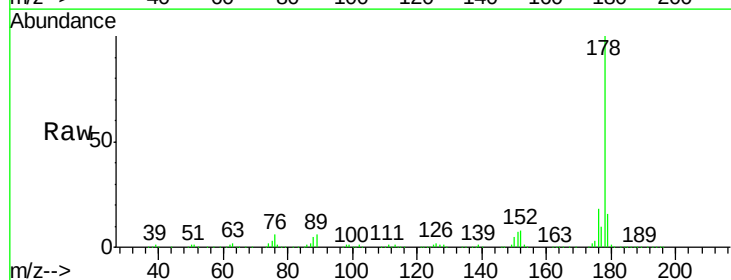
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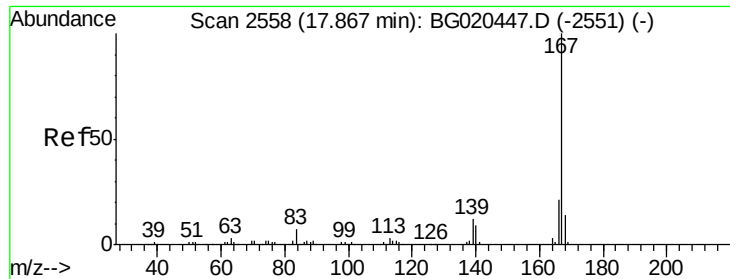
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#72
 Anthracene
 Concen: 44.98 ng/ul
 RT: 17.60 min Scan# 2513
 Delta R.T. 0.01 min
 Lab File: BG020411.D
 Acq: 22 Dec 2015 16:16

Tgt Ion:178 Resp: 313563
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.3 18.5
 176 18.3 14.3 21.5





#75

Carbazole

Concen: 32.14 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020411.D

Acq: 22 Dec 2015 16:16

Instrument :

BNA_G

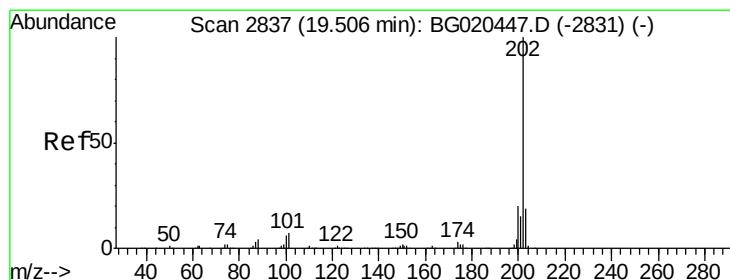
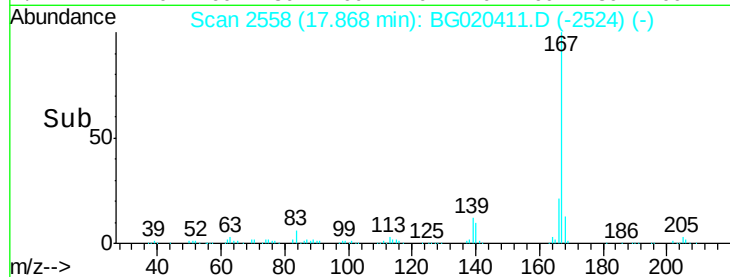
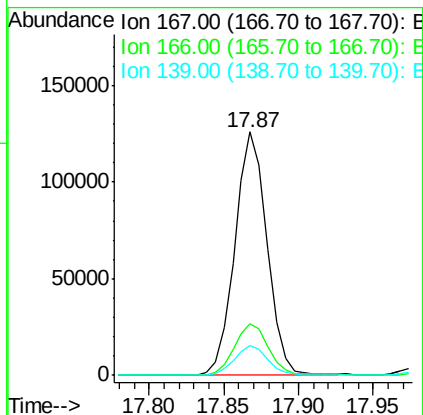
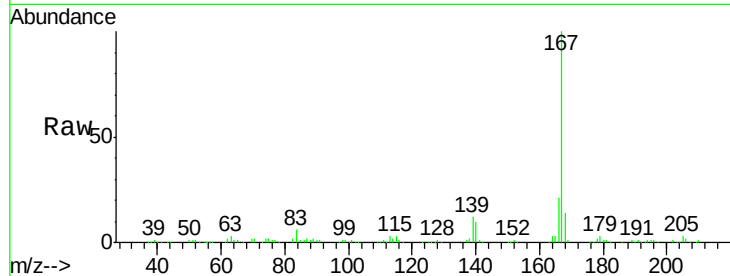
ClientSampleId :

D9N50ME

Tot Ion:	167	Resp:	188214
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.0	25.6
139	12.0	10.1	15.1

Manual Integrations
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#77

Fluoranthene

Concen: 258.66 ng/ul

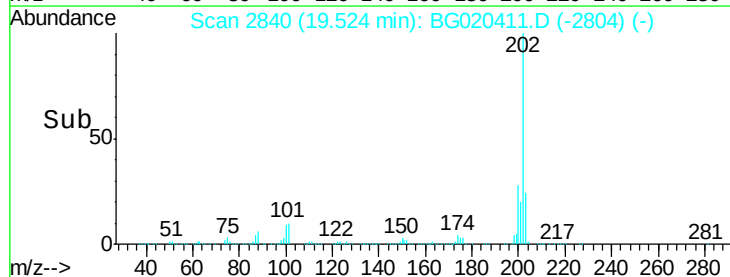
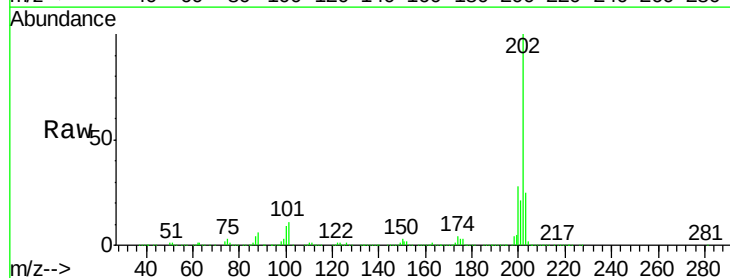
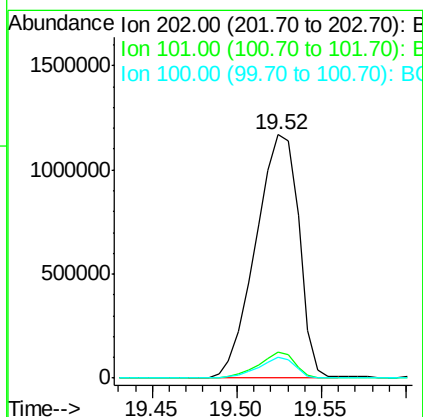
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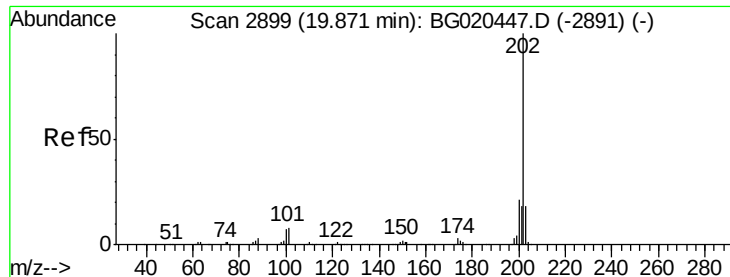
Delta R.T. 0.01 min

Lab File: BG020411.D

Acq: 22 Dec 2015 16:16

Tgt Ion:	202	Resp:	2077510
Ion Ratio	Lower	Upper	
202	100		
101	10.6	6.2	9.4#
100	8.6	5.1	7.7#





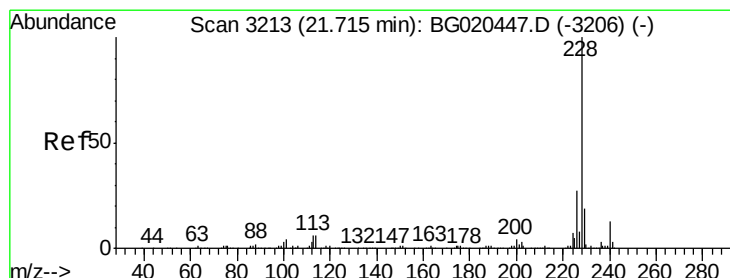
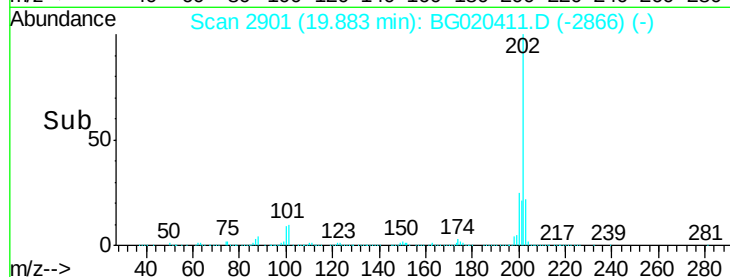
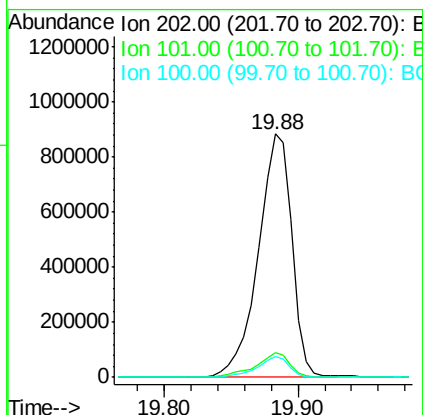
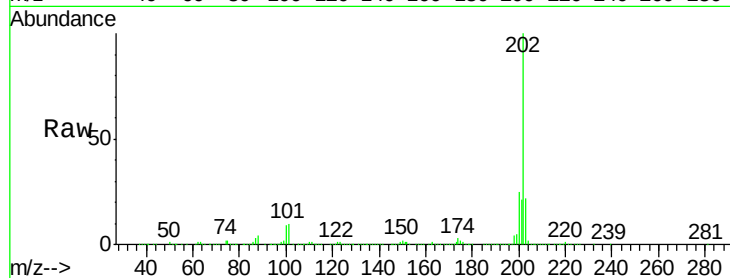
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Pvrene
Concen: 162.63 ng/ul
RT: 19.88 min Scan# 2901
Delta R.T. 0.01 min
Lab File: BG020411.D
Acq: 22 Dec 2015 16:16

Instrument :
BNA_G
ClientSampleId :
D9N50ME

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.3	7.0	10.4
100	8.7	6.4	9.6

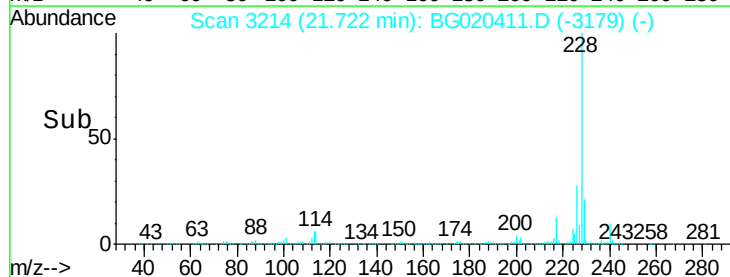
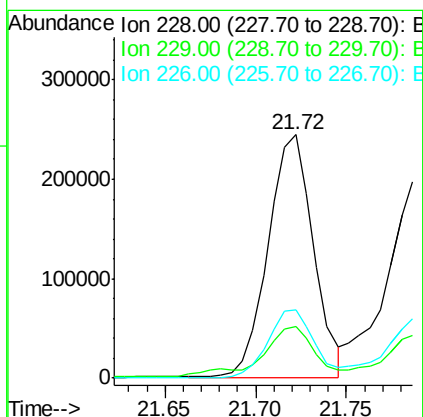
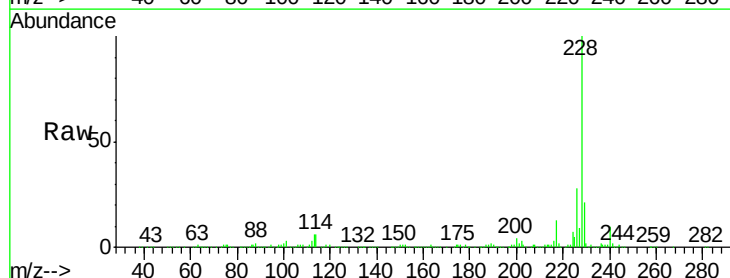
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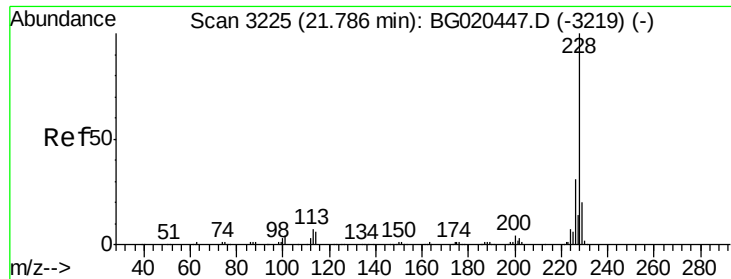
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#83
Benzo(a)anthracene
Concen: 46.77 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. 0.01 min
Lab File: BG020411.D
Acq: 22 Dec 2015 16:16

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.8	23.8
226	27.8	21.8	32.6





#85

Chrysene

Concen: 41.70 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. -0.00 min

Lab File: BG020411.D

Acq: 22 Dec 2015 16:16

Instrument :

BNA_G

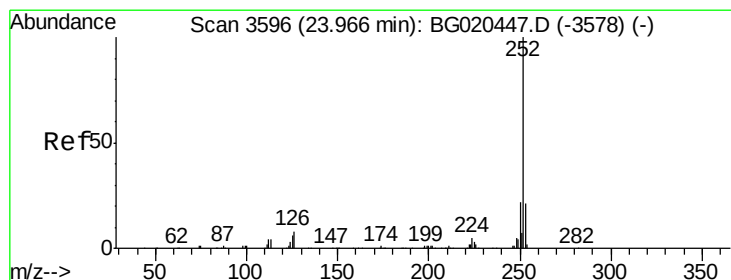
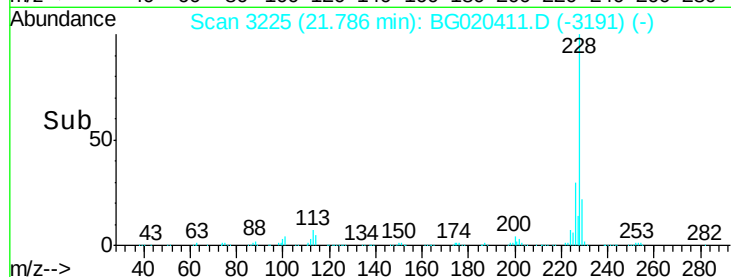
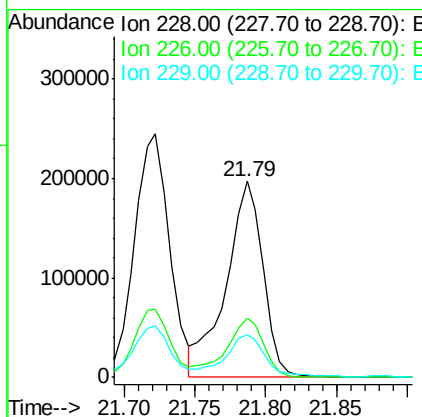
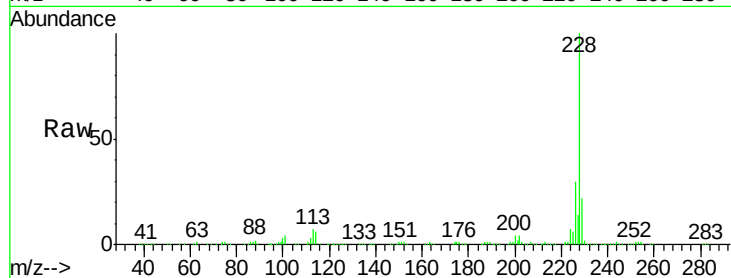
ClientSampleId :

D9N50ME

Tot Ion:	228	Resp:	357502
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.9	35.9
229	21.9	15.6	23.4

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#88

Benzo(b)fluoranthene

Concen: 22.22 ng/ul

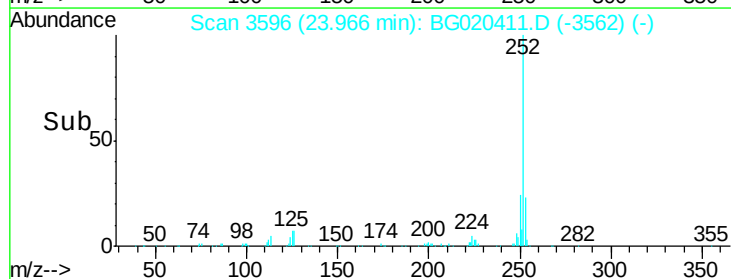
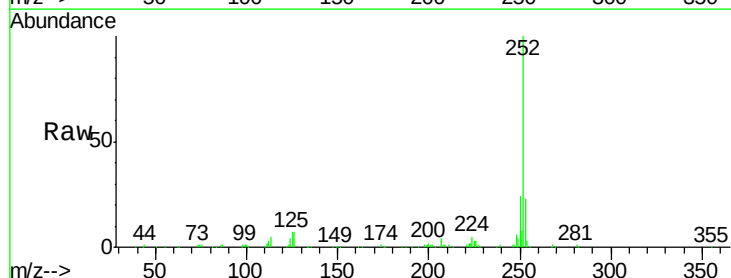
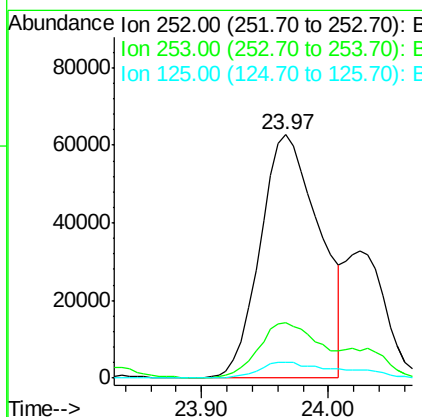
RT: 23.97 min Scan# 3596

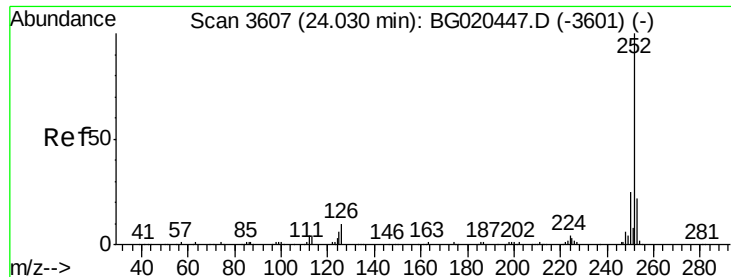
Delta R.T. -0.00 min

Lab File: BG020411.D

Acq: 22 Dec 2015 16:16

Tgt Ion:	252	Resp:	204210
Ion Ratio	Lower	Upper	
252	100		
253	22.8	16.7	25.1
125	6.5	6.2	9.2





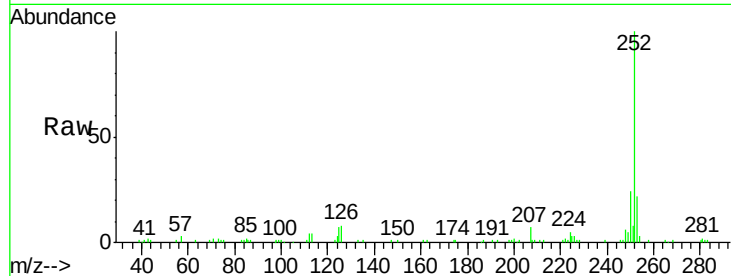
#89
Benzo(k)fluoranthene
Concen: 8.25 ng/ul m
RT: 24.03 min Scan# 3606
Delta R.T. -0.01 min
Lab File: BG020411.D
Acq: 22 Dec 2015 16:16

Instrument :
BNA_G
ClientSampleId :
D9N50ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	6.7	5.8	8.6

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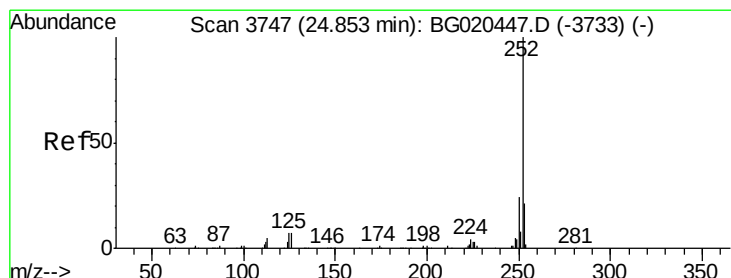
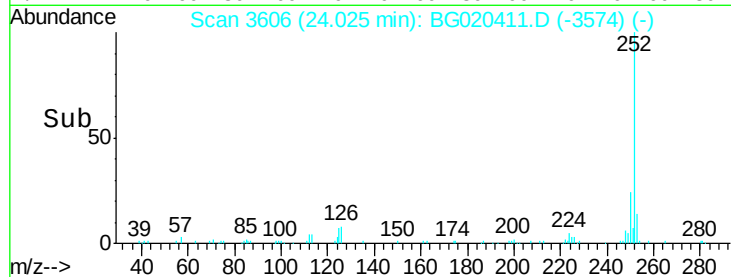
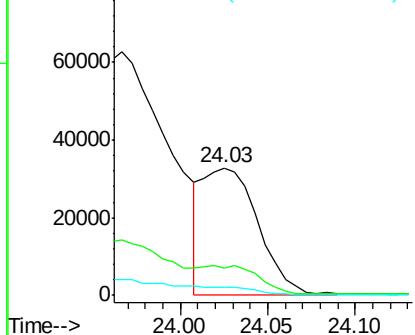


Abundance

Ion 252.00 (251.70 to 252.70): E

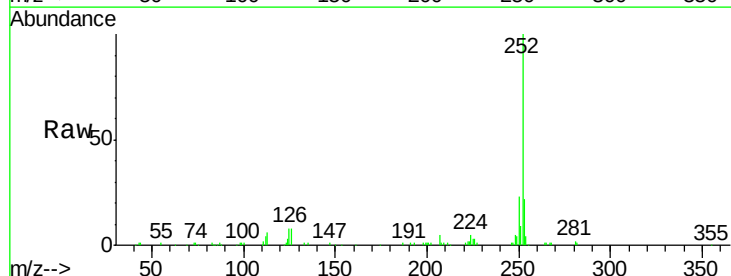
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(a)pyrene
Concen: 13.14 ng/ul
RT: 24.85 min Scan# 3746
Delta R.T. -0.01 min
Lab File: BG020411.D
Acq: 22 Dec 2015 16:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.4
125	7.7	6.2	9.4

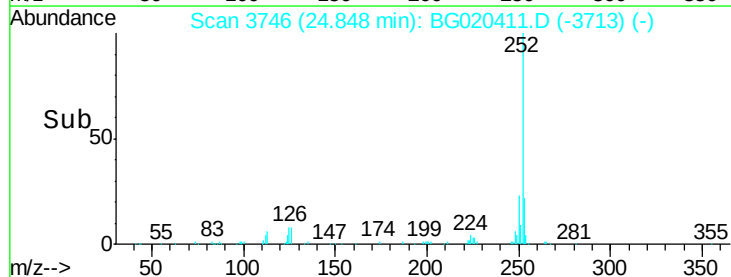
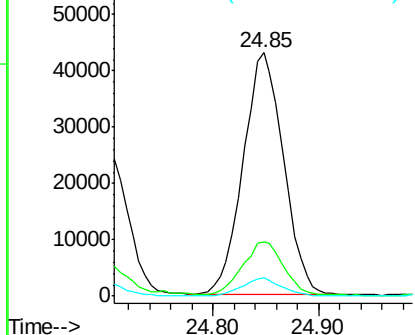


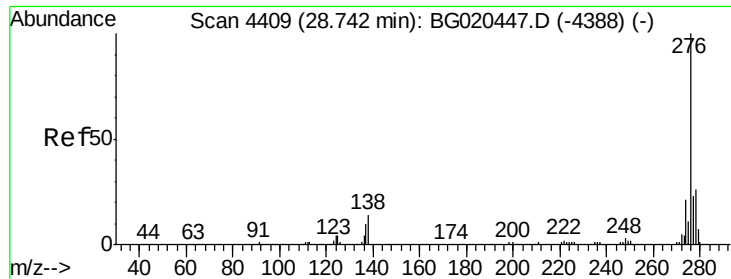
Abundance

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





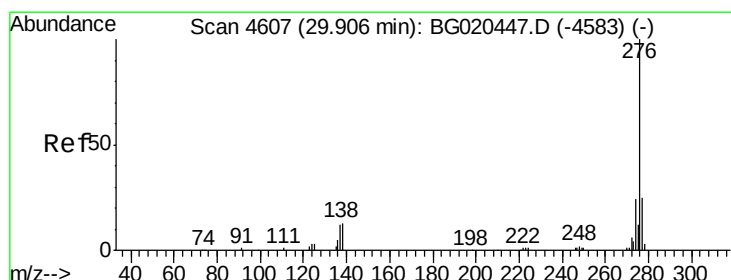
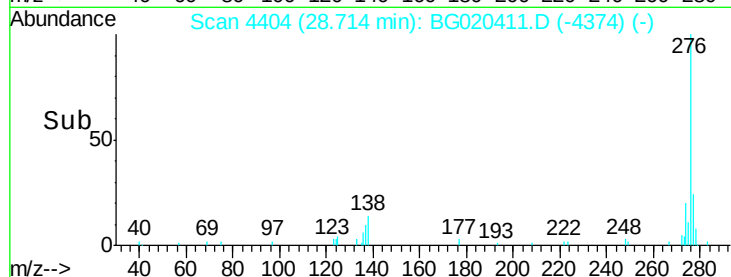
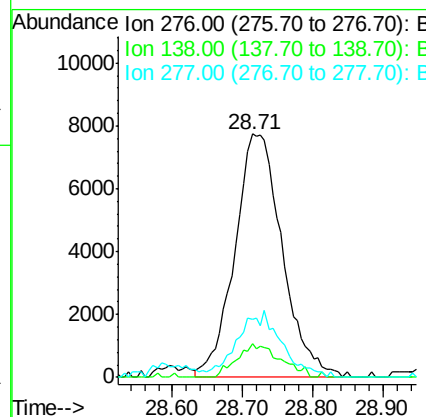
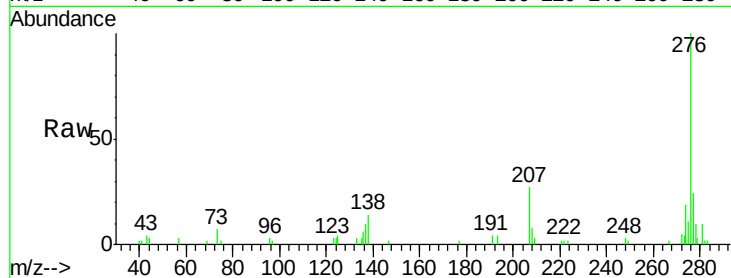
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 3.51 ng/ul m
 RT: 28.71 min Scan# 4404
 Delta R.T. -0.02 min
 Lab File: BG020411.D
 Acq: 22 Dec 2015 16:16

Instrument :
 BNA_G
 ClientSampleId :
 D9N50ME

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.7	11.4	17.0
277	23.6	17.4	26.0

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#94
 Benzo(g,h,i)perylene
 Concen: 3.06 ng/ul
 RT: 29.88 min Scan# 4603
 Delta R.T. -0.02 min
 Lab File: BG020411.D
 Acq: 22 Dec 2015 16:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.3	10.8	16.2
277	26.0	19.9	29.9

