

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020415.D
 Acq On : 22 Dec 2015 18:54
 Operator : UM/SJ
 Sample : G4849-08ME
 Misc : med level RX
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N72ME

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:34:18 PM

Quant Time: Dec 23 06:22:26 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	17192	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	76453	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	55634	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	139502m	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	178086	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	171721	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	897	2.88	ng/uL	0.00
5) Phenol-d5	7.24	99	27336	18.03	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	18963	20.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	22780	20.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	27528	21.23	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	14763	24.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	17861	26.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	31862	23.72	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	39696	26.31	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	141814	31.51	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	151825	29.00	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	18222	22.58	ng/ul	0.00
58) Fluorene-d10	15.71	176	121769	29.83	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	17829m	21.56	ng/ul	0.00
71) Anthracene-d10	17.56	188	200267	31.16	ng/ul	0.00
79) Pyrene-d10	19.84	212	240879	29.02	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	278633	32.53	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.95	128	289992	72.63	ng/ul	98
34) 2-Methylnaphthalene	12.55	142	124095	40.69	ng/ul	96
41) 1,1'-Biphenyl	13.55	154	60204	14.34	ng/ul	95
45) Dimethylphthalate	14.16	163	25098	5.46	ng/ul	99
50) Acenaphthene	14.78	153	233656	62.43	ng/ul	99
54) Dibenzofuran	15.12	168	273756	49.17	ng/ul	99
59) Fluorene	15.76	166	213989	47.86	ng/ul	100
70) Phenanthrene	17.51	178	1235959m	161.98	ng/ul	
72) Anthracene	17.60	178	89221	11.53	ng/ul	98
75) Carbazole	17.87	167	31487	4.84	ng/ul	97
77) Fluoranthene	19.51	202	820559	92.01	ng/ul	99
80) Pyrene	19.88	202	570264	52.91	ng/ul	98
83) Benzo(a)anthracene	21.72	228	138854	13.36	ng/ul	98
85) Chrysene	21.78	228	110405	11.28	ng/ul	98
88) Benzo(b)fluoranthene	23.95	252	71897	6.96	ng/ul	96
89) Benzo(k)fluoranthene	24.02	252	18657m	1.88	ng/ul	
91) Benzo(a)pyrene	24.85	252	39476	4.03	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.73	276	12417m	1.06	ng/ul	
94) Benzo(g,h,i)perylene	29.88	276	9834m	1.03	ng/ul	

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

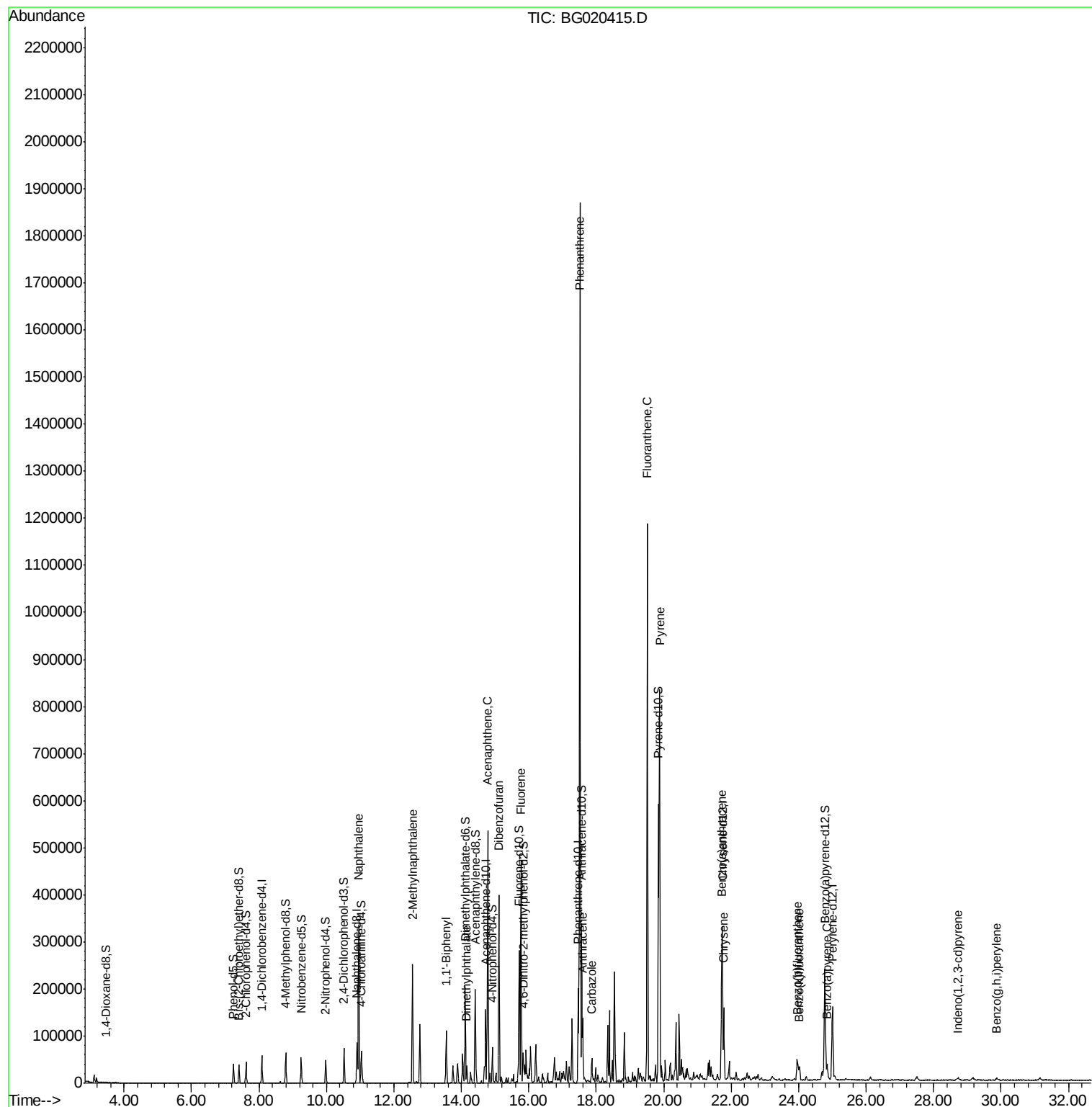
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020415.D
Acq On : 22 Dec 2015 18:54
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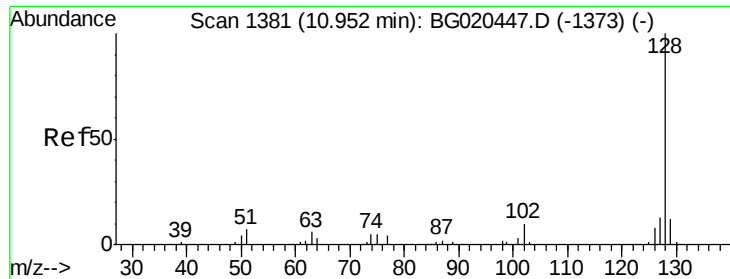
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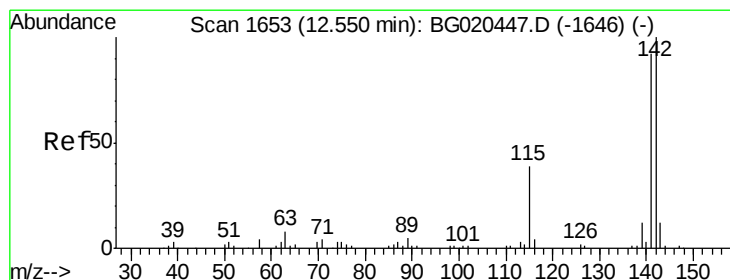
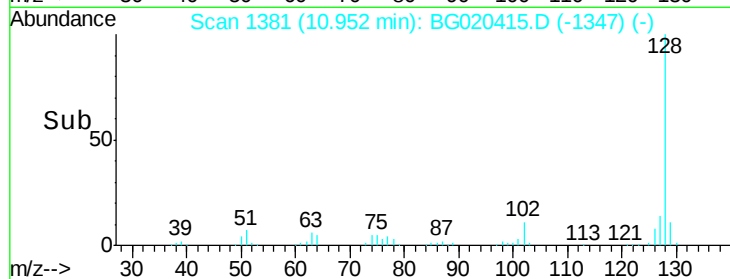
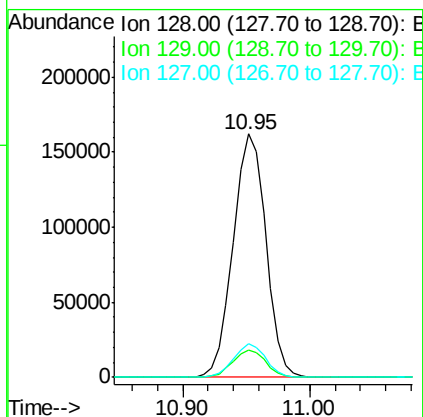
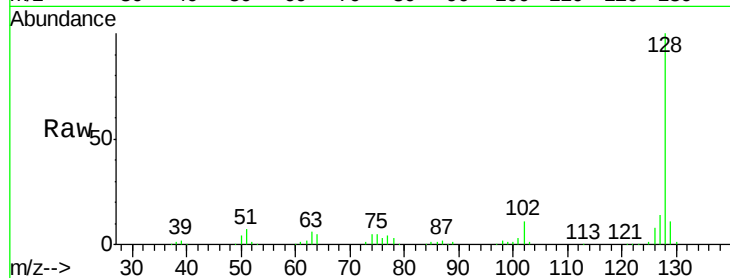
#28
Naphthalene
Concen: 72.63 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. -0.00 min
Lab File: BG020415.D
Acq: 22 Dec 2015 18:54

Instrument :
BNA_G
ClientSampleId :
D9N72ME

Tot Ion	Ratio	Resp	Lower	Upper
128	100	289992		
129	11.2		8.6	12.8
127	13.8		10.1	15.1

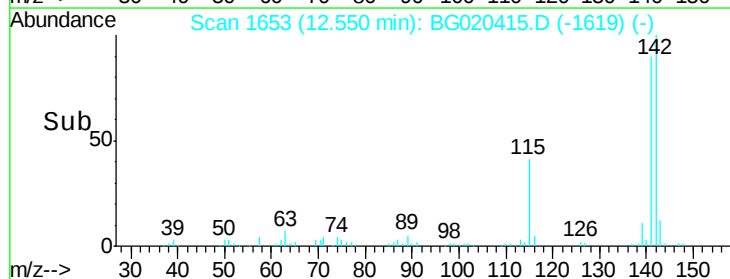
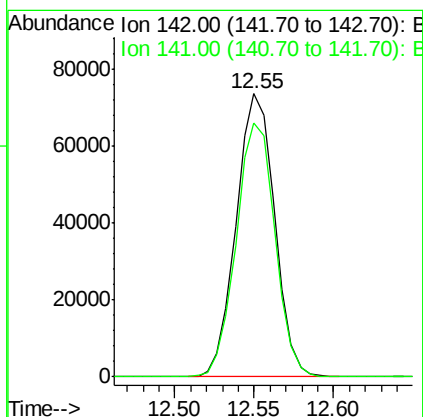
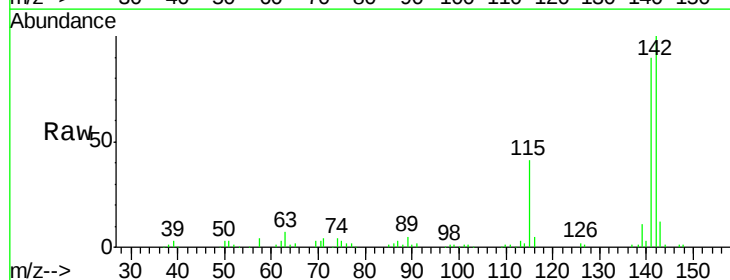
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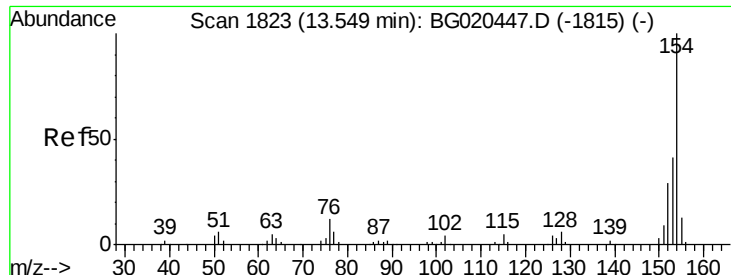
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#34
2-Methylnaphthalene
Concen: 40.69 ng/ul
RT: 12.55 min Scan# 1653
Delta R.T. -0.00 min
Lab File: BG020415.D
Acq: 22 Dec 2015 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	124095		
141	89.5		74.9	112.3





#41

1,1'-Biphenyl

Concen: 14.34 ng/ul

RT: 13.55 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

Instrument :

BNA_G

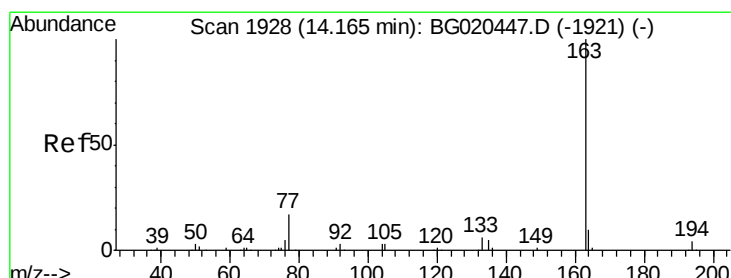
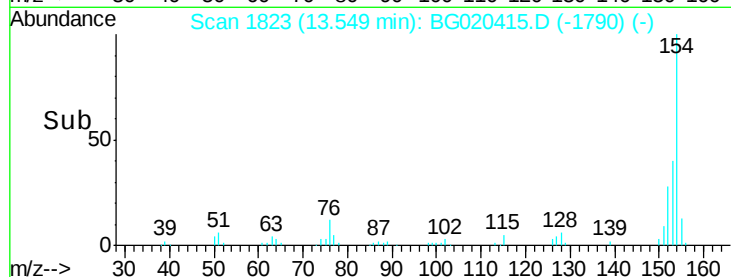
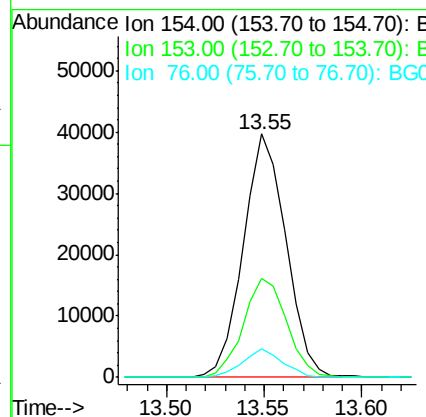
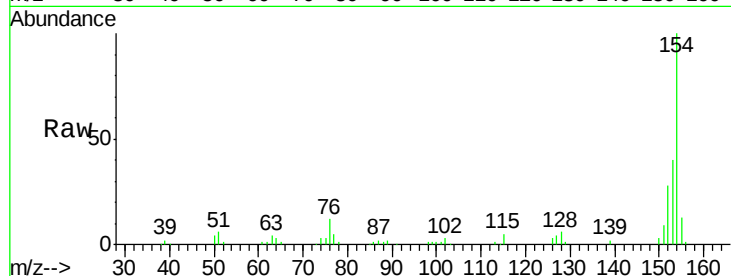
ClientSampleId :

D9N72ME

Tot Ion:	154	Resp:	60204
Ion Ratio	Lower	Upper	
154	100		
153	40.4	35.5	53.3
76	11.6	10.4	15.6

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#45

Dimethylphthalate

Concen: 5.46 ng/ul

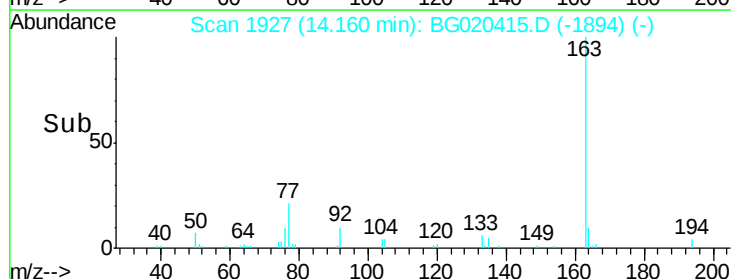
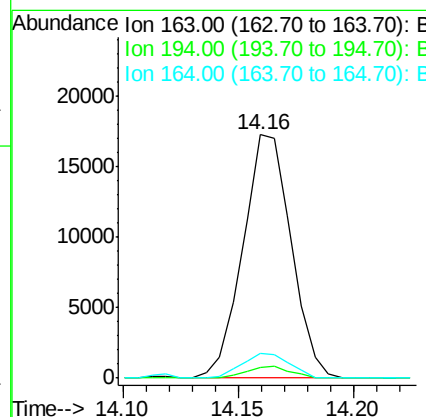
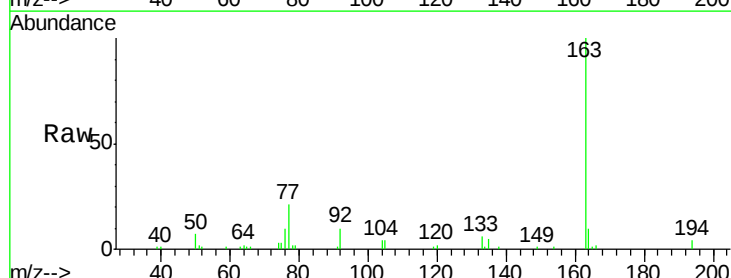
RT: 14.16 min Scan# 1927

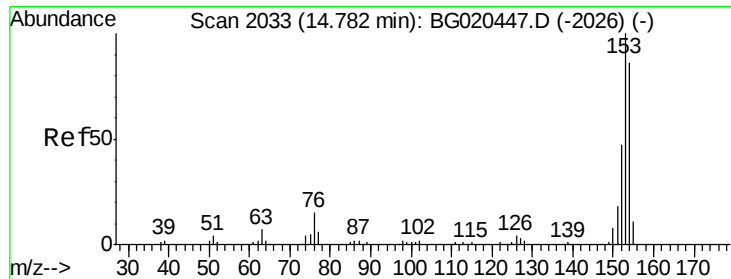
Delta R.T. -0.01 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

Tgt Ion:	163	Resp:	25098
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.5	5.3
164	10.2	7.7	11.5





#50

Acenaphthene

Concen: 62.43 ng/ul

RT: 14.78 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

Instrument :

BNA_G

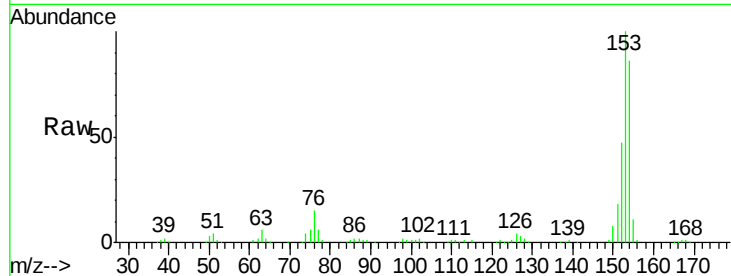
ClientSampleId :

D9N72ME

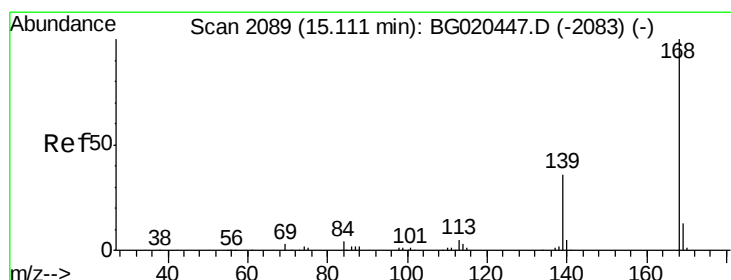
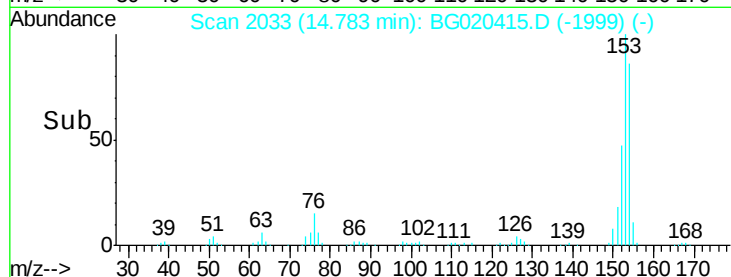
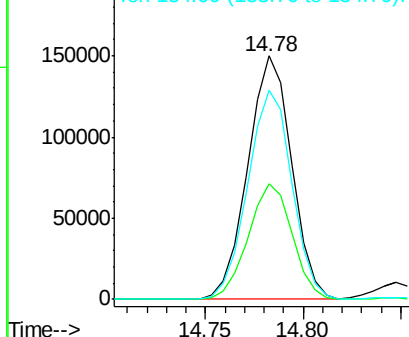
Tot Ion:	153	Resp:	233656
Ion Ratio		Lower	Upper
153	100		
152	47.2	37.6	56.4
154	86.1	67.9	101.9

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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: 49.17 ng/ul

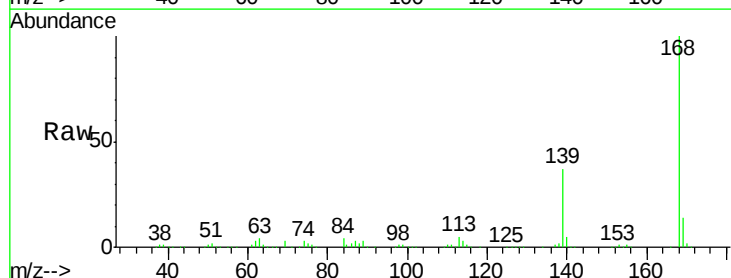
RT: 15.12 min Scan# 2090

Delta R.T. -0.00 min

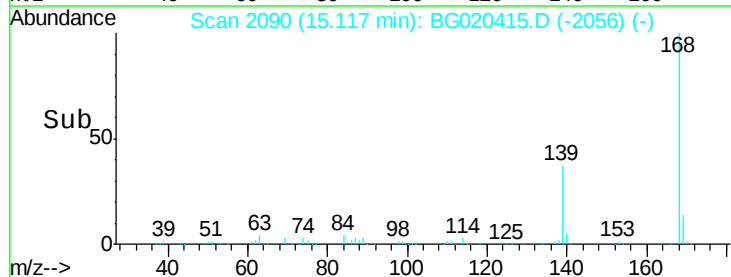
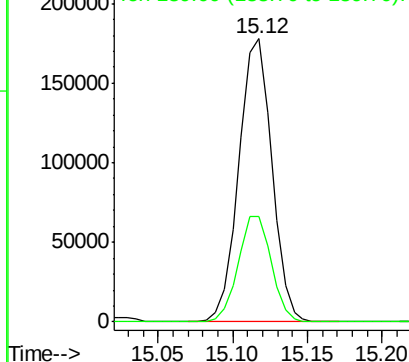
Lab File: BG020415.D

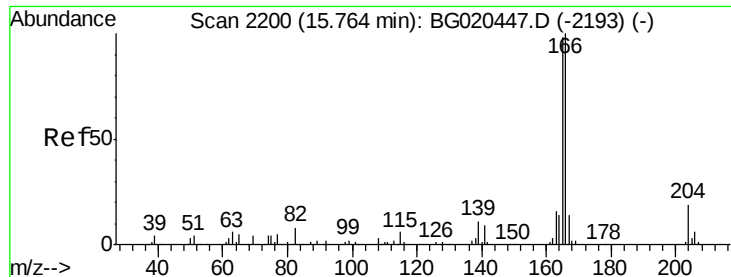
Acq: 22 Dec 2015 18:54

Tgt Ion:	168	Resp:	273756
Ion Ratio		Lower	Upper
168	100		
139	37.2	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: 47.86 ng/ul

RT: 15.76 min Scan# 2200

Delta R.T. -0.00 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

Instrument :

BNA_G

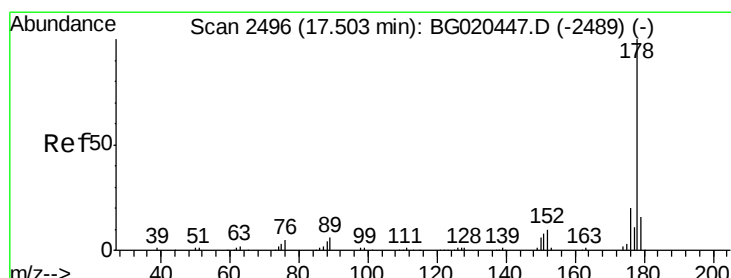
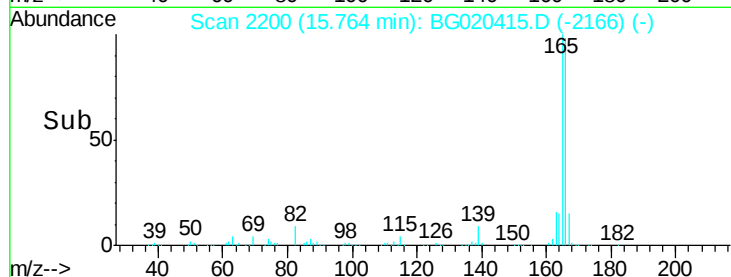
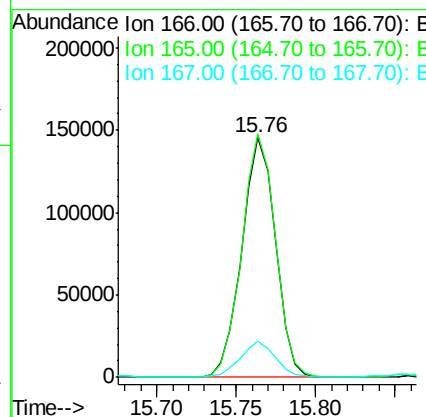
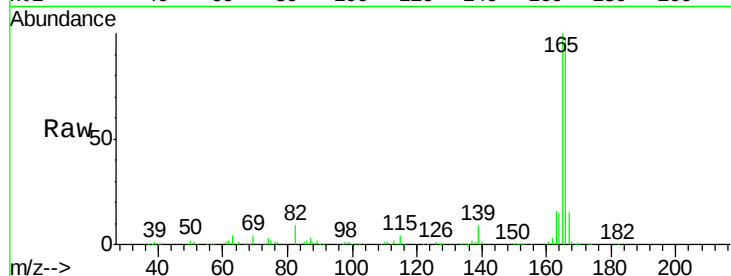
ClientSampleId :

D9N72ME

Tot Ion:	166	Resp:	213989
Ion Ratio	Lower	Upper	
166	100		
165	101.8	81.4	122.0
167	15.3	11.2	16.8

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#70

Phenanthrene

Concen: 161.98 ng/ul m

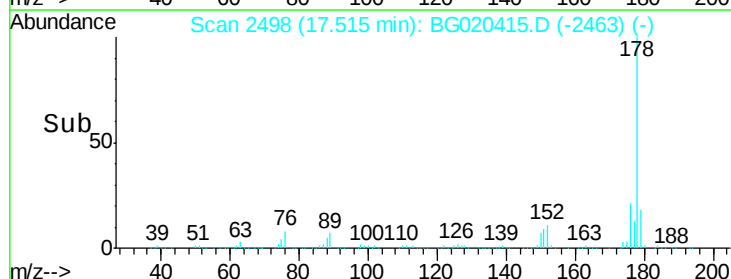
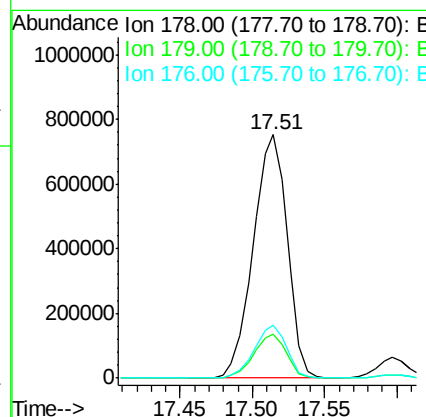
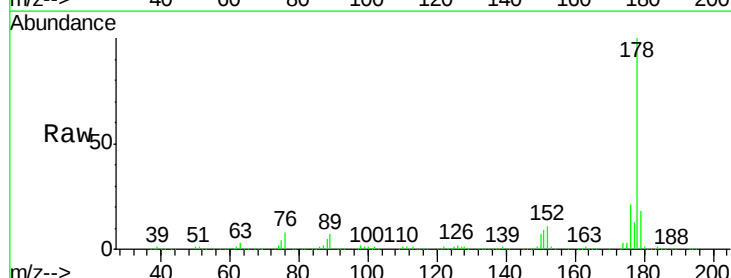
RT: 17.51 min Scan# 2498

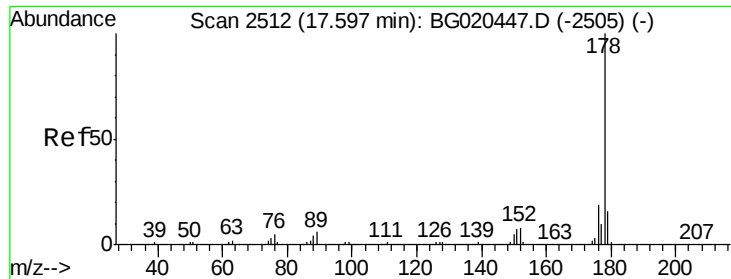
Delta R.T. 0.01 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

Tgt Ion:	178	Resp:	1235959
Ion Ratio	Lower	Upper	
178	100		
179	17.8	12.9	19.3
176	21.5	15.3	22.9





#72

Anthracene

Concen: 11.53 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.00 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

Instrument :

BNA_G

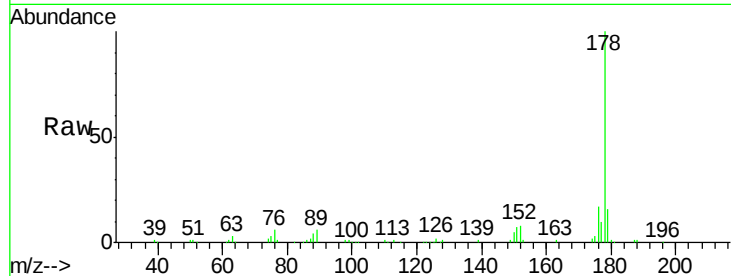
ClientSampleId :

D9N72ME

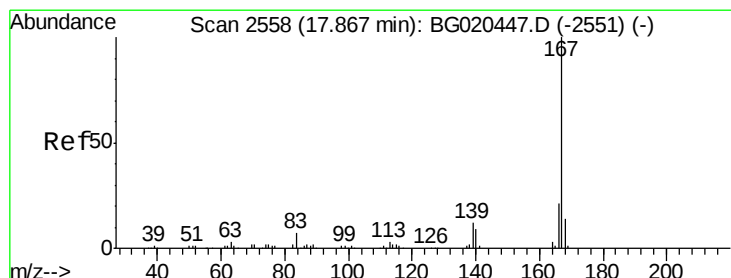
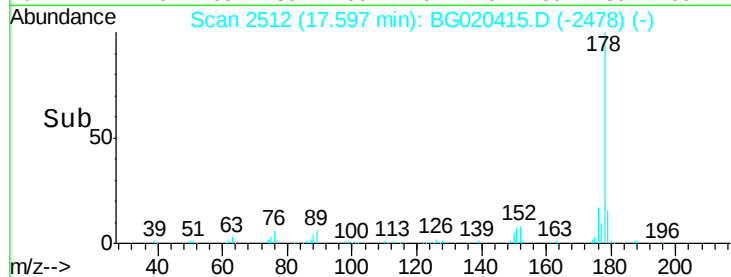
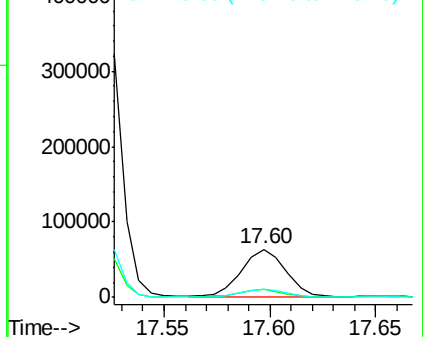
Tot Ion:	178	Resp:	89221
Ion Ratio	Lower	Upper	
178	100		
179	16.1	12.3	18.5
176	16.9	14.3	21.5

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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: 4.84 ng/ul

RT: 17.87 min Scan# 2558

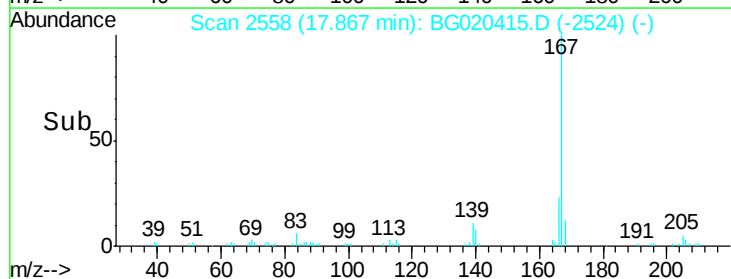
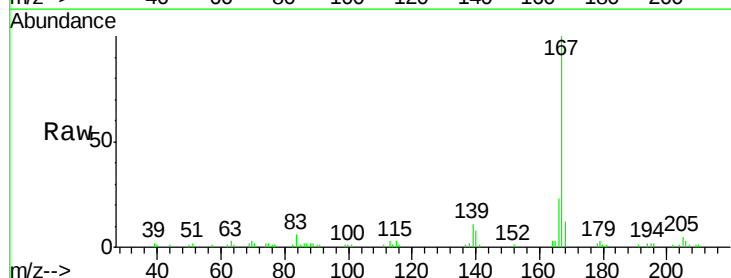
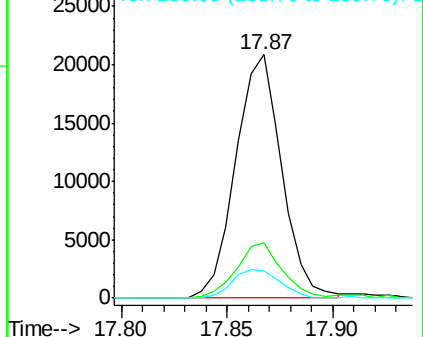
Delta R.T. -0.00 min

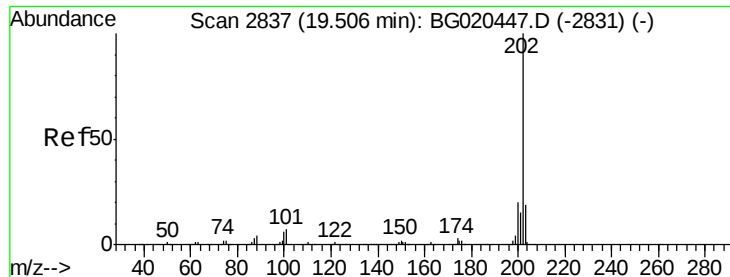
Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

Tgt Ion:	167	Resp:	31487
Ion Ratio	Lower	Upper	
167	100		
166	22.8	17.0	25.6
139	11.1	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: 92.01 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG020415.D

Acq: 22 Dec 2015 18:54

Instrument :

BNA_G

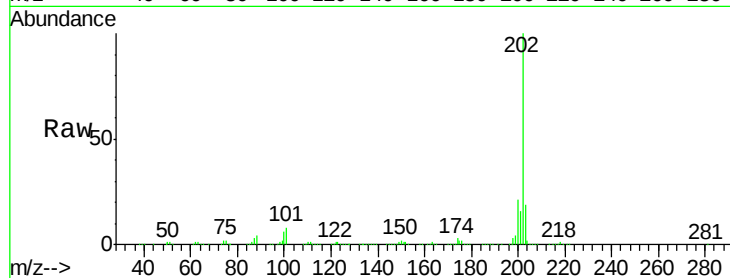
ClientSampleId :

D9N72ME

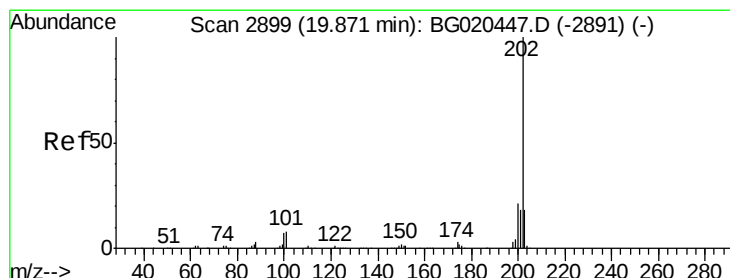
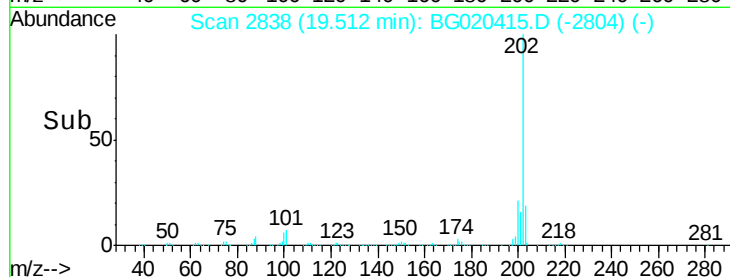
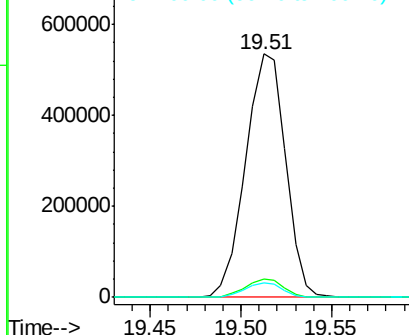
Tot Ion:	202	Resp:	820559
Ion Ratio	Lower	Upper	
202	100		
101	7.5	6.2	9.4
100	6.1	5.1	7.7

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 52.91 ng/ul

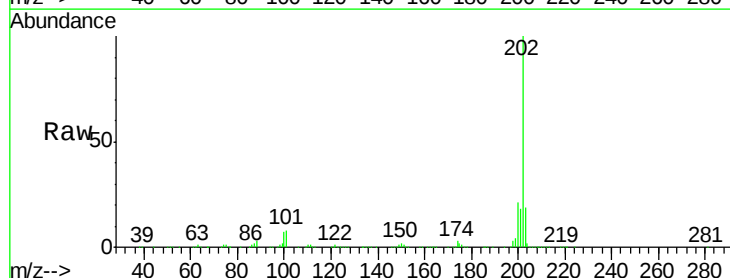
RT: 19.88 min Scan# 2900

Delta R.T. -0.00 min

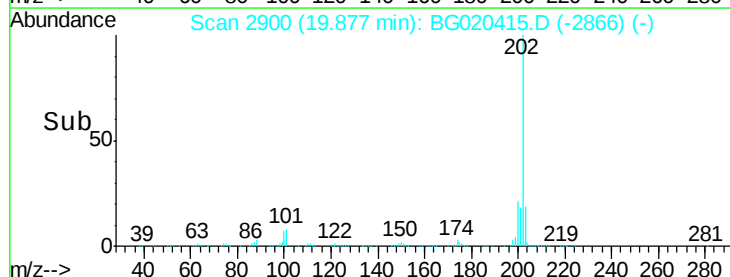
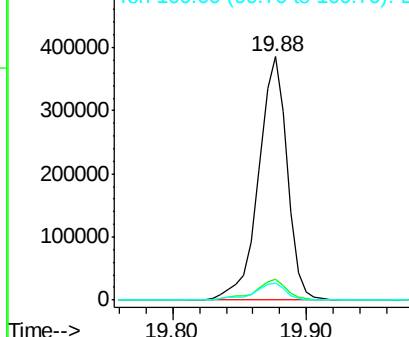
Lab File: BG020415.D

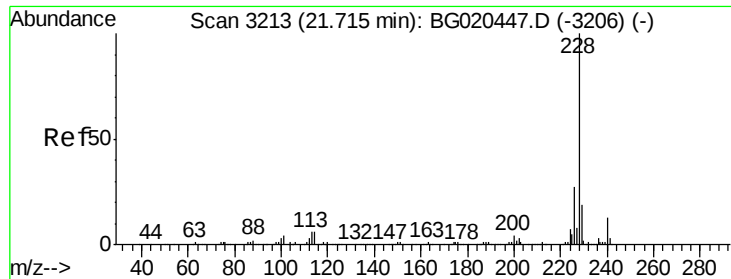
Acq: 22 Dec 2015 18:54

Tgt Ion:	202	Resp:	570264
Ion Ratio	Lower	Upper	
202	100		
101	8.4	7.0	10.4
100	7.1	6.4	9.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





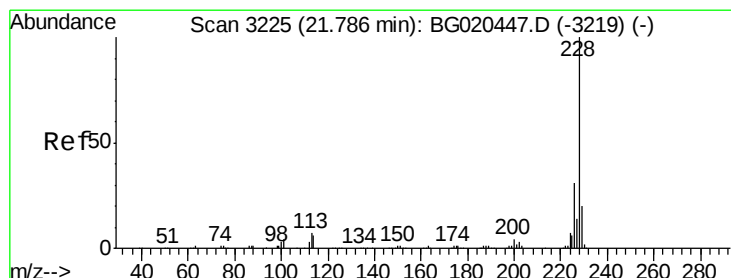
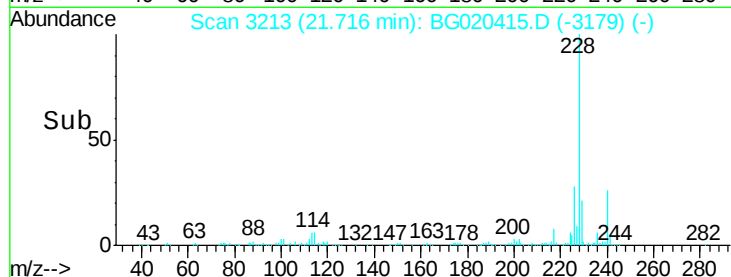
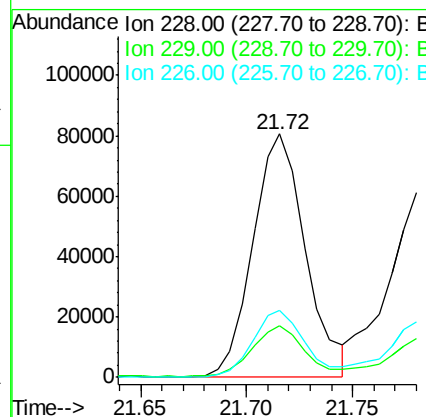
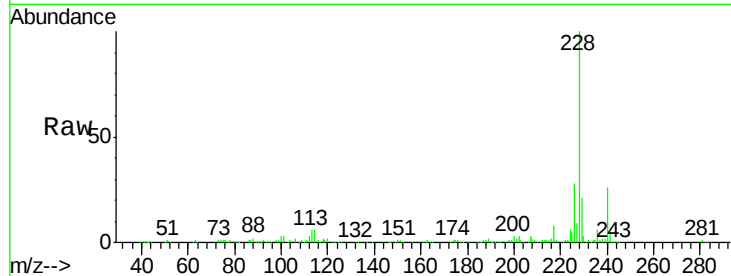
#83
Benzo(a)anthracene
Concen: 13.36 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. -0.00 min
Lab File: BG020415.D
Acq: 22 Dec 2015 18:54

Instrument :
BNA_G
ClientSampleId :
D9N72ME

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.8	23.8
226	27.6	21.8	32.6

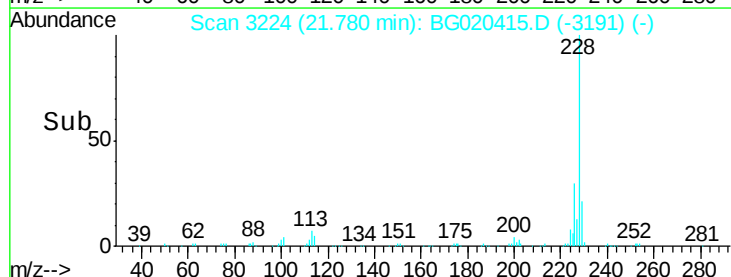
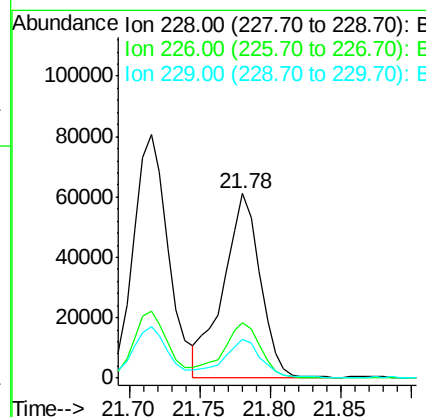
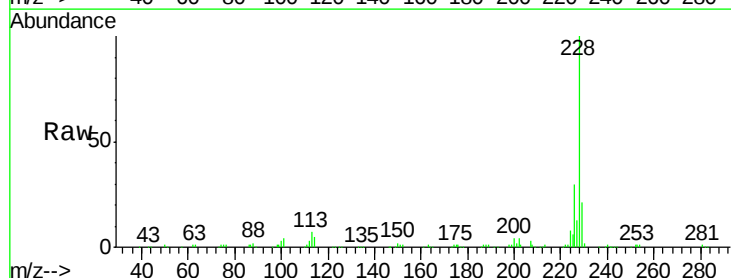
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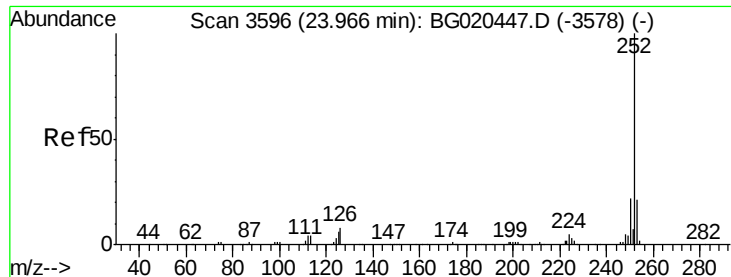
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#85
Chrysene
Concen: 11.28 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. -0.01 min
Lab File: BG020415.D
Acq: 22 Dec 2015 18:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.9	35.9
229	20.9	15.6	23.4





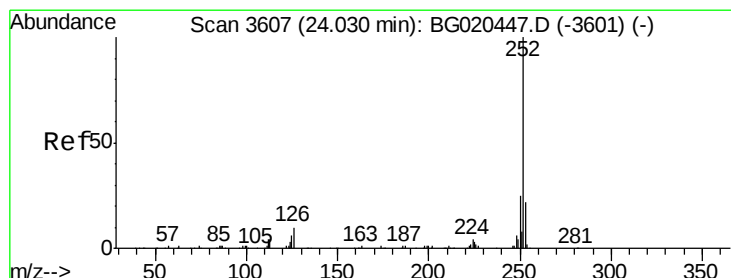
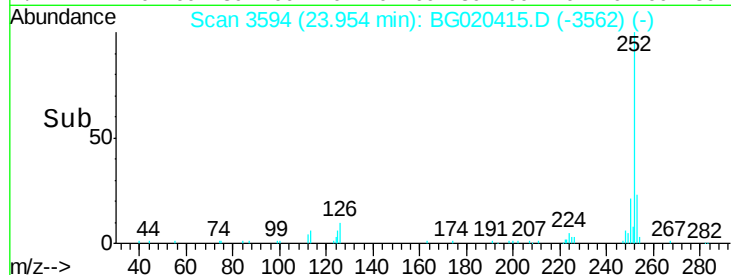
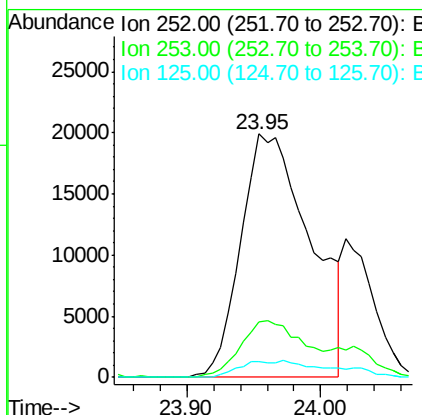
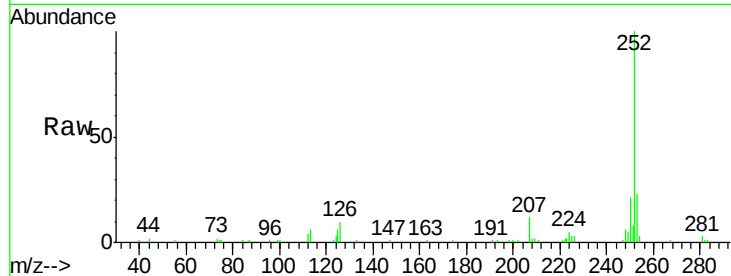
#88
Benzo(b)fluoranthene
Concen: 6.96 ng/ul
RT: 23.95 min Scan# 3594
Delta R.T. -0.01 min
Lab File: BG020415.D
Acq: 22 Dec 2015 18:54

Instrument :
BNA_G
ClientSampleId :
D9N72ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	16.7	25.1
125	6.3	6.2	9.2

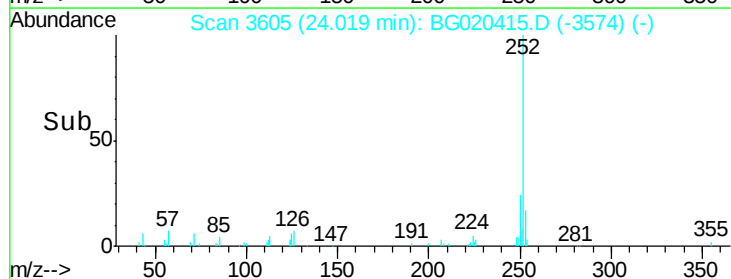
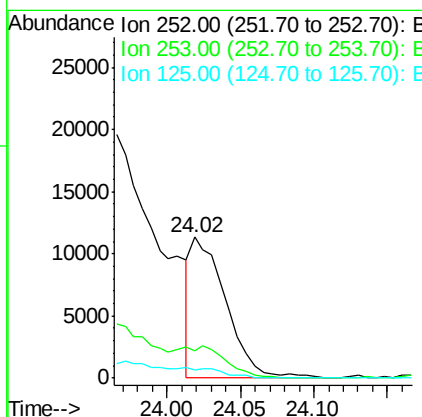
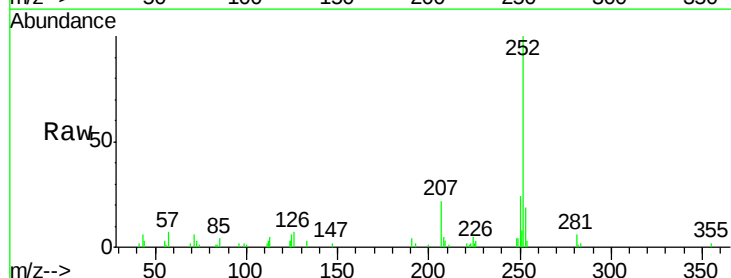
Manual Integrations
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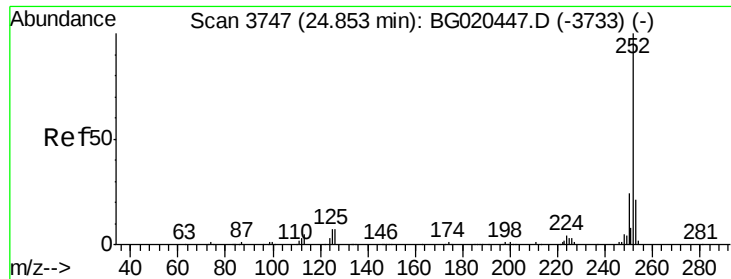
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#89
Benzo(k)fluoranthene
Concen: 1.88 ng/ul m
RT: 24.02 min Scan# 3605
Delta R.T. -0.02 min
Lab File: BG020415.D
Acq: 22 Dec 2015 18:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.3	17.9	26.9
125	5.8	5.8	8.6





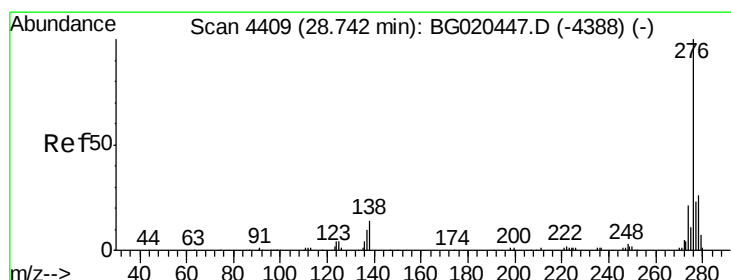
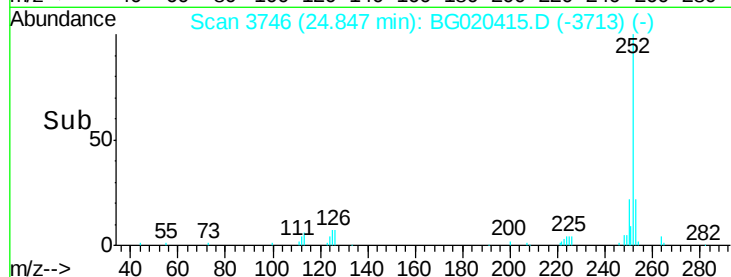
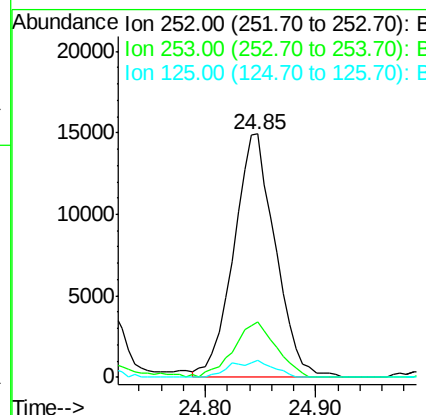
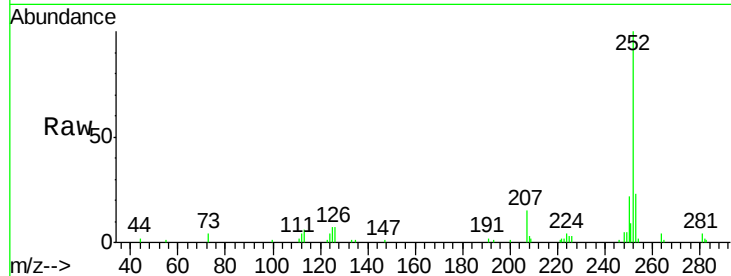
#91
Benzo(a)pyrene
Concen: 4.03 ng/ul
RT: 24.85 min Scan# 3746
Delta R.T. -0.01 min
Lab File: BG020415.D
Acq: 22 Dec 2015 18:54

Instrument :
BNA_G
ClientSampleId :
D9N72ME

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.5	17.0	25.4
125	7.0	6.2	9.4

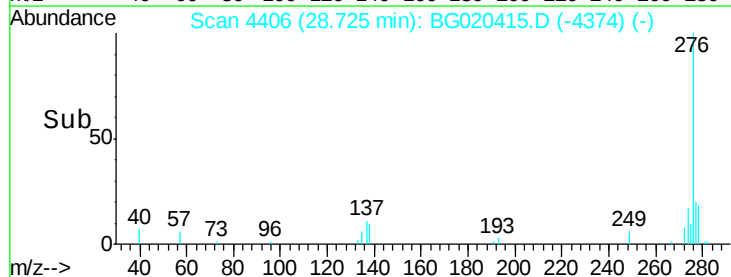
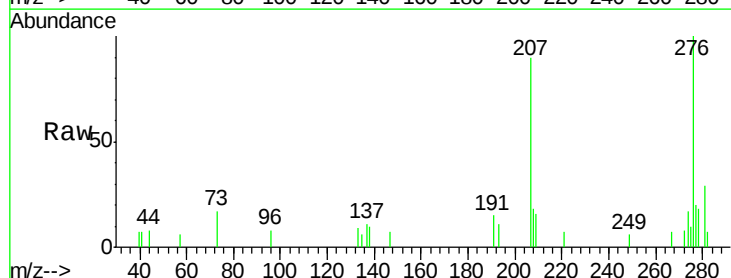
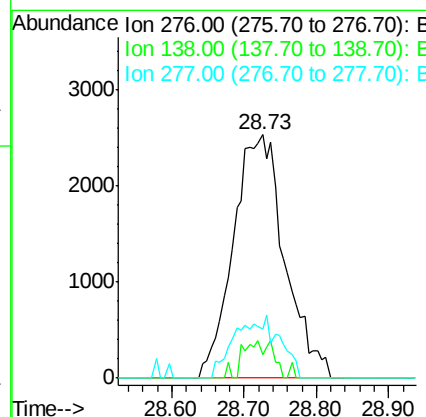
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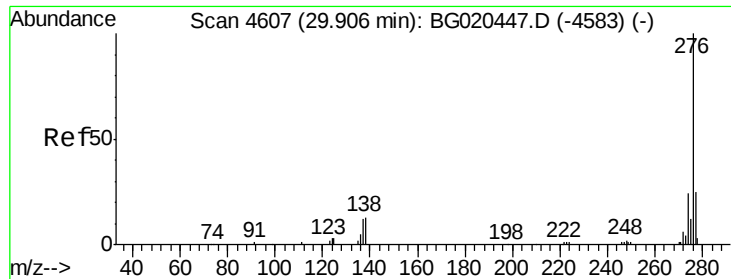
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#92
Indeno(1,2,3-cd)pyrene
Concen: 1.06 ng/ul m
RT: 28.73 min Scan# 4406
Delta R.T. -0.01 min
Lab File: BG020415.D
Acq: 22 Dec 2015 18:54

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	9.7	11.4	17.0#
277	20.4	17.4	26.0





#94
 Benzo(a,h,i)perylene
 Concen: 1.03 ng/ul m
 RT: 29.88 min Scan# 4602
 Delta R.T. -0.03 min
 Lab File: BG020415.D
 Acq: 22 Dec 2015 18:54

Instrument :
 BNA_G
 ClientSampleId :
 D9N72ME

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.9	10.8	16.2
277	24.9	19.9	29.9

Manual Integrations
 APPROVED

Sohil
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