

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
 Data File : BG020542.D
 Acq On : 26 Dec 2015 16:09
 Operator : UM/SJ
 Sample : G4802-21
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D96

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:07:16 PM

Quant Time: Dec 28 07:24:15 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 06:13:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	18101	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	78610	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	55350	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	135696	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	168244	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	159678	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1102	3.36	ng/uL	0.00
5) Phenol-d5	7.23	99	25567	17.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	15931	18.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	21548	19.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	22431	18.35	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	11699	18.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	13085	18.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	24457	18.04	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	24529	15.83	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	86935	19.06	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	102963	19.48	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	8944	11.76	ng/ul	0.00
58) Fluorene-d10	15.71	176	81069	19.65	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	7224	8.03	ng/ul	0.01
71) Anthracene-d10	17.56	188	128032	20.14	ng/ul	0.00
79) Pyrene-d10	19.84	212	149821	20.57	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	170132	21.08	ng/ul	0.02

Target Compounds

					Ovalue
28) Naphthalene	10.94	128	59684	14.28	ng/ul 99
41) 1,1'-Biphenyl	13.54	154	51200	11.99	ng/ul# 95
45) Dimethylphthalate	14.15	163	26086	5.62	ng/ul 97
48) Acenaphthylene	14.44	152	39218	7.06	ng/ul# 94
50) Acenaphthene	14.78	153	112862	30.05	ng/ul 99
54) Dibenzofuran	15.11	168	18295	3.27	ng/ul 97
59) Fluorene	15.76	166	119129	26.31	ng/ul 100
70) Phenanthrene	17.50	178	631322	83.62	ng/ul 99
72) Anthracene	17.59	178	146283	18.95	ng/ul 99
75) Carbazole	17.86	167	7301	1.12	ng/ul# 89
77) Fluoranthene	19.51	202	219454	23.11	ng/ul 98
80) Pyrene	19.87	202	327098	34.38	ng/ul 98
83) Benzo(a)anthracene	21.72	228	128965m	13.05	ng/ul
85) Chrysene	21.78	228	110674	11.76	ng/ul 96
88) Benzo(b)fluoranthene	23.97	252	87184	9.10	ng/ul 99
89) Benzo(k)fluoranthene	24.02	252	25760m	2.78	ng/ul
91) Benzo(a)pyrene	24.85	252	105942	11.50	ng/ul 100
92) Indeno(1,2,3-cd)pyrene	28.73	276	43504	3.94	ng/ul 94
94) Benzo(g,h,i)perylene	29.90	276	43839	4.84	ng/ul 98

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

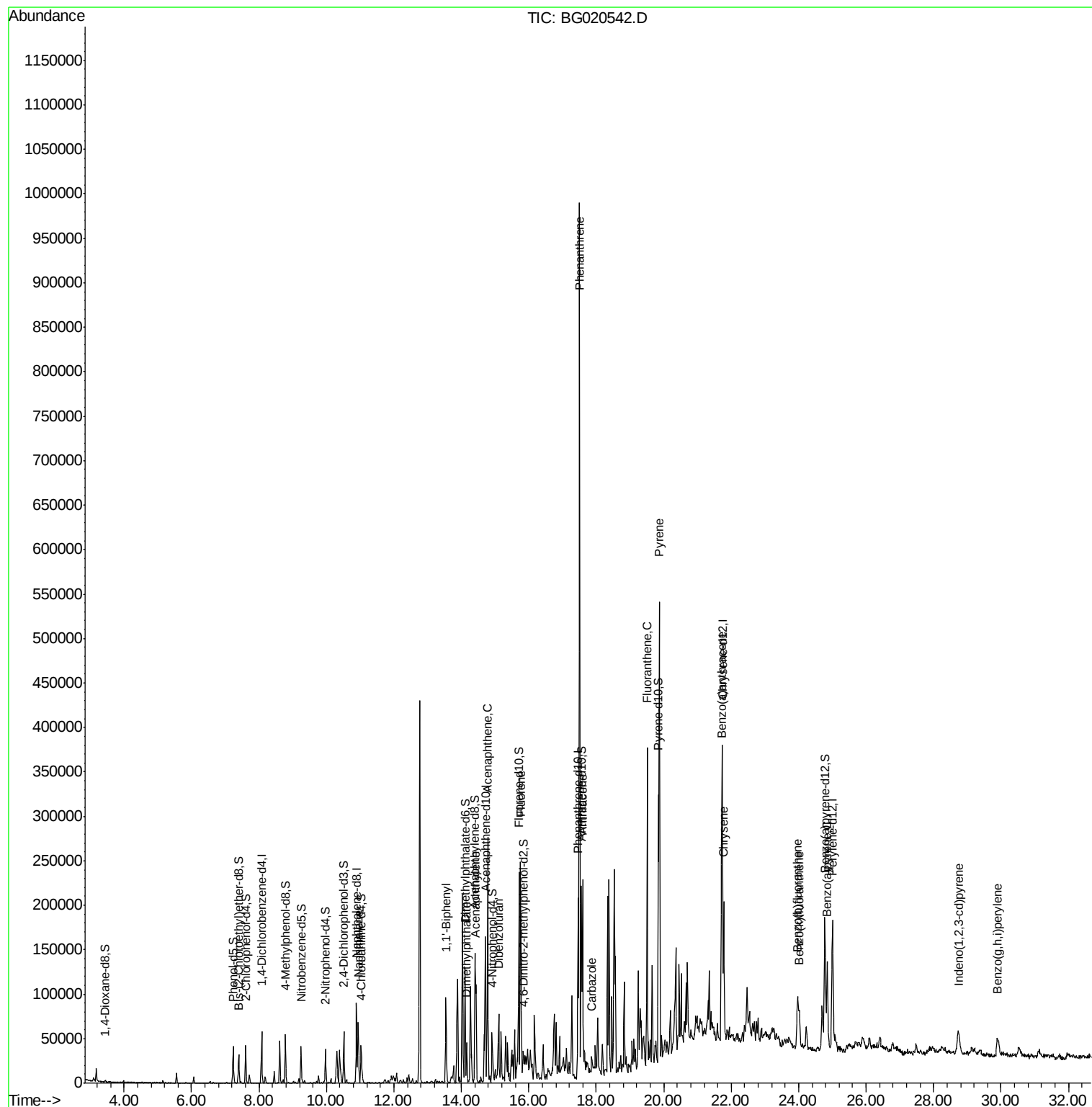
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
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Misc :
ALS Vial : 79 Sample Multiplier: 1

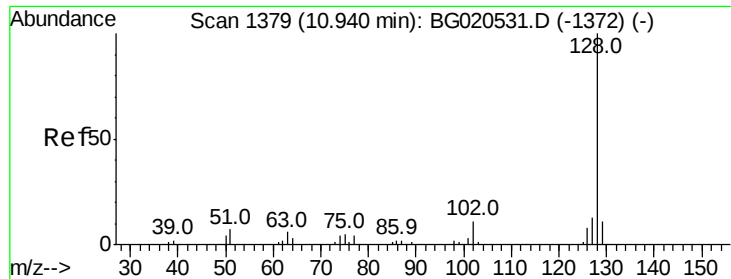
Instrument :
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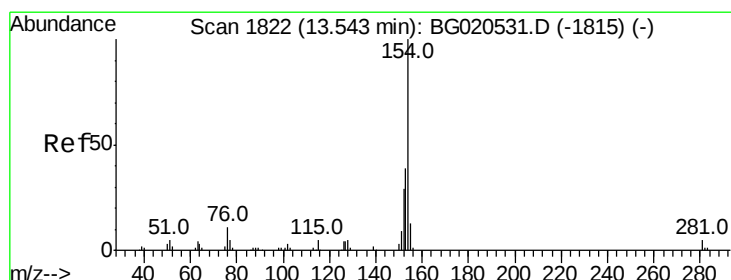
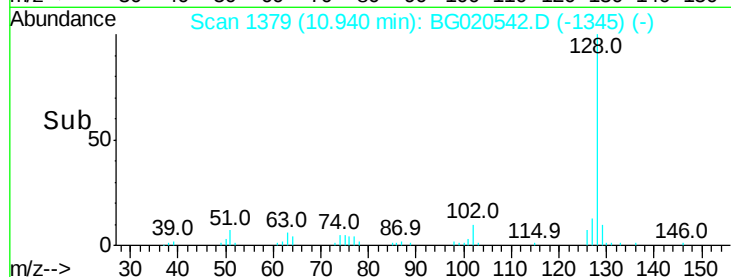
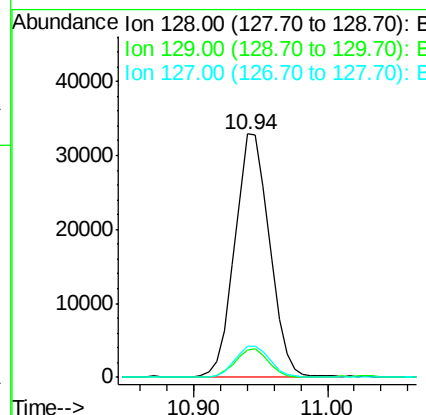
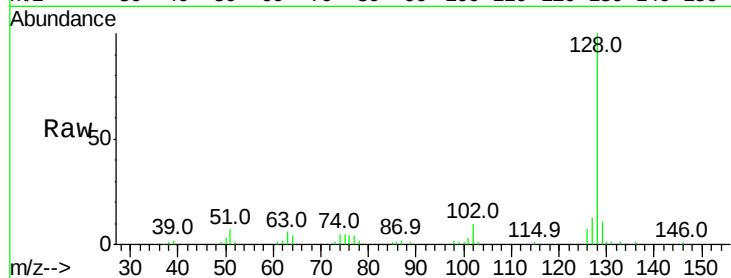
#28
Naphthalene
Concen: 14.28 ng/ul
RT: 10.94 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Instrument :
BNA_G
ClientSampleId :
G9D96

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.0	10.1	15.1

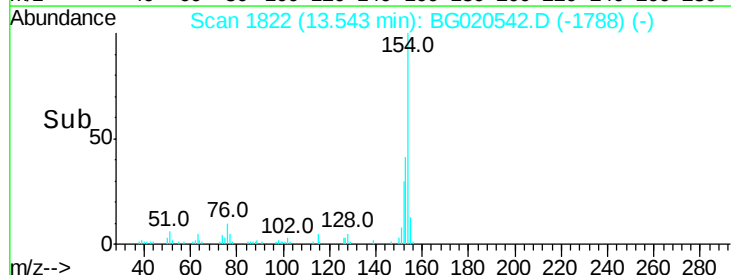
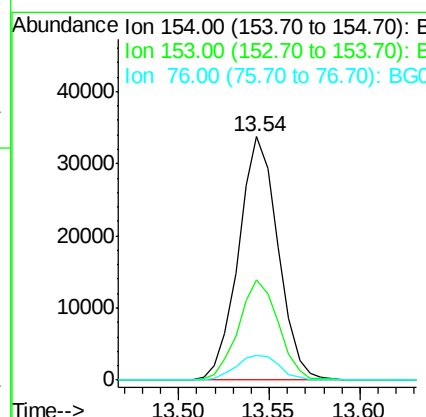
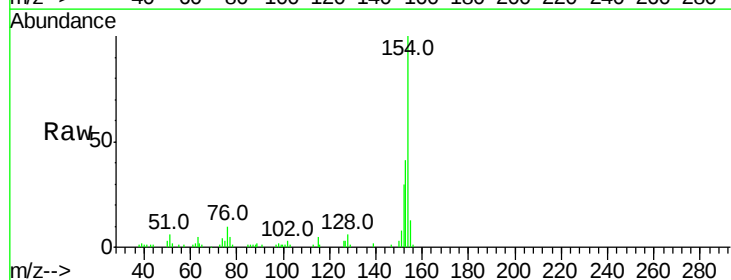
Manual Integrations
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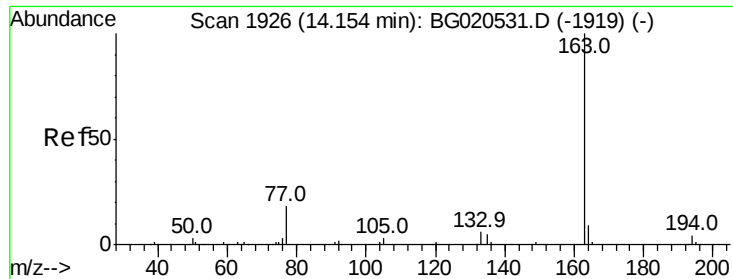
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#41
1,1'-Biphenyl
Concen: 11.99 ng/ul
RT: 13.54 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	35.5	53.3
76	10.1	10.4	15.6





#45

Dimethylphthalate

Concen: 5.62 ng/ul

RT: 14.15 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BG020542.D

Acq: 26 Dec 2015 16:09

Instrument :

BNA_G

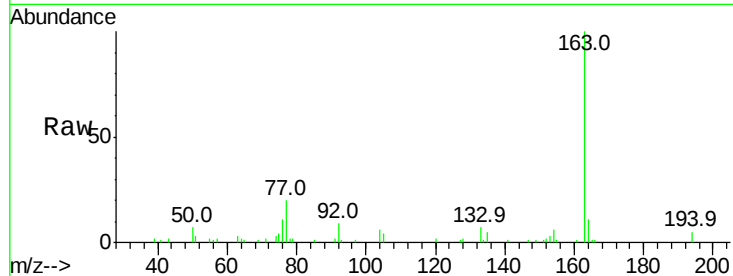
ClientSampleID :

G9D96

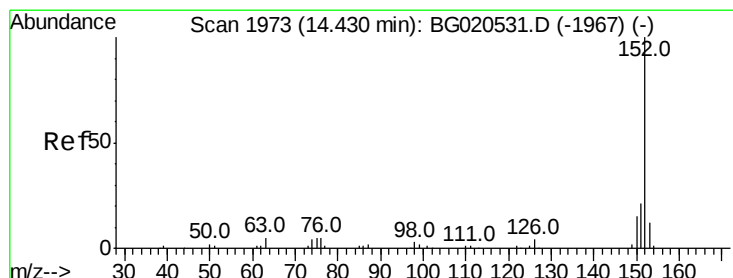
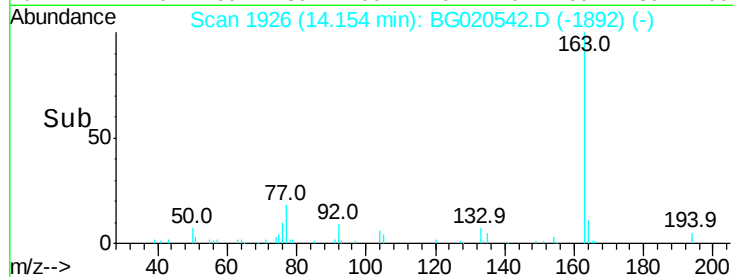
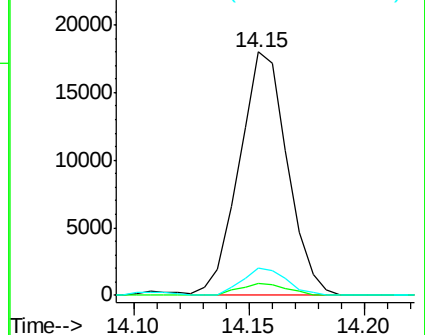
Tot Ion:	163	Resp:	26086
Ion Ratio	Lower	Upper	
163	100		
194	5.1	3.5	5.3
164	11.0	7.7	11.5

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#48

Acenaphthylene

Concen: 7.06 ng/ul

RT: 14.44 min Scan# 1974

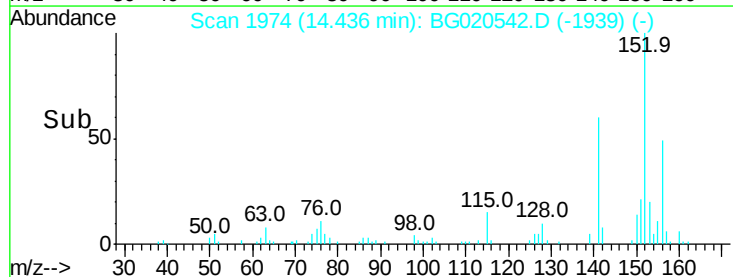
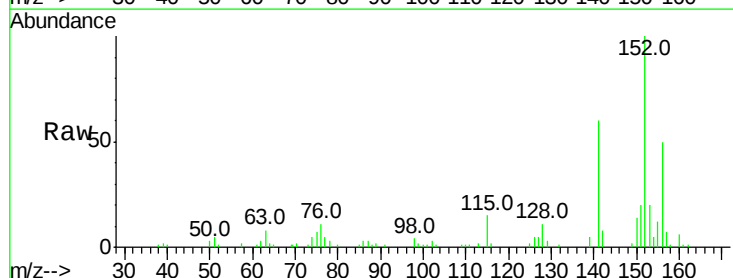
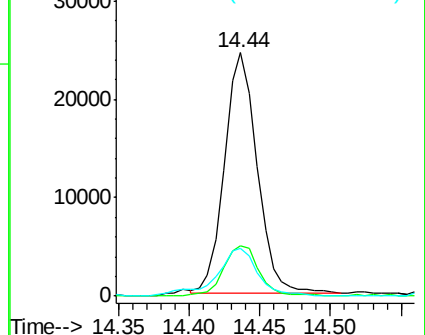
Delta R.T. 0.01 min

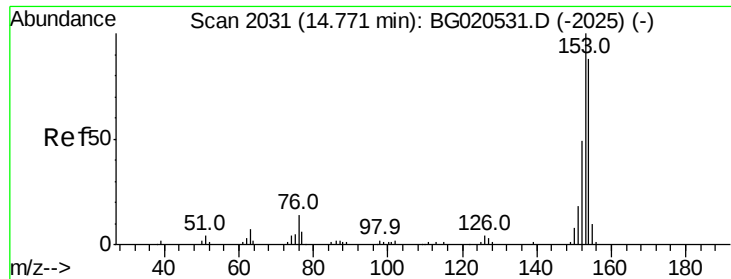
Lab File: BG020542.D

Acq: 26 Dec 2015 16:09

Tgt Ion:	152	Resp:	39218
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.4	24.6
153	19.5	10.4	15.6#

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 30.05 ng/ul

RT: 14.78 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BG020542.D

Acq: 26 Dec 2015 16:09

Instrument :

BNA_G

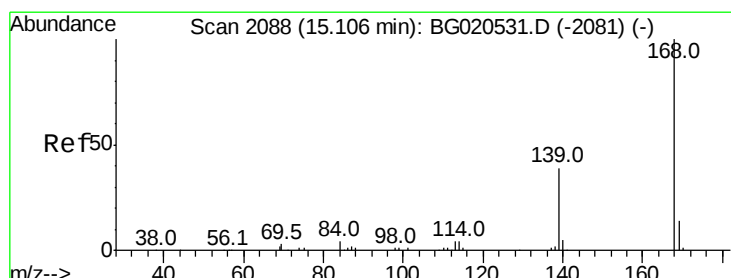
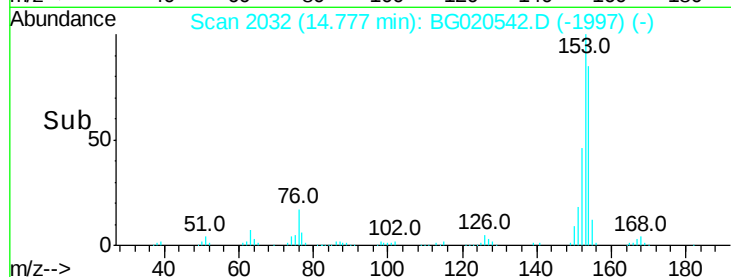
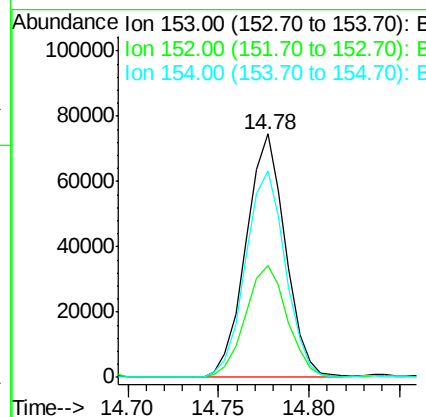
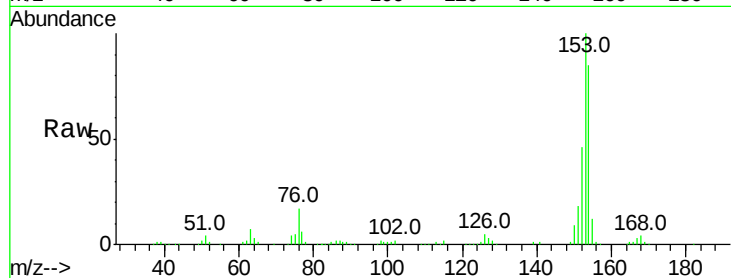
ClientSampled :

G9D96

Tot Ion:	153	Resp:	112862
Ion Ratio	Lower	Upper	
153	100		
152	46.1	37.6	56.4
154	84.7	67.9	101.9

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#54

Dibenzofuran

Concen: 3.27 ng/ul

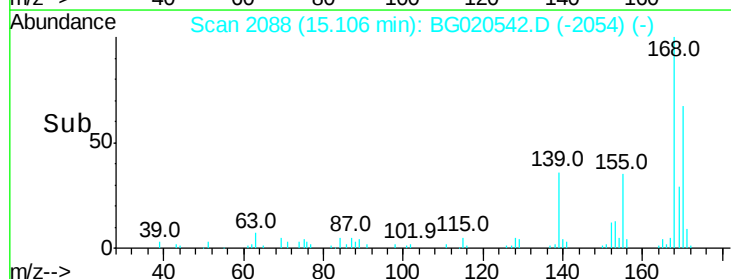
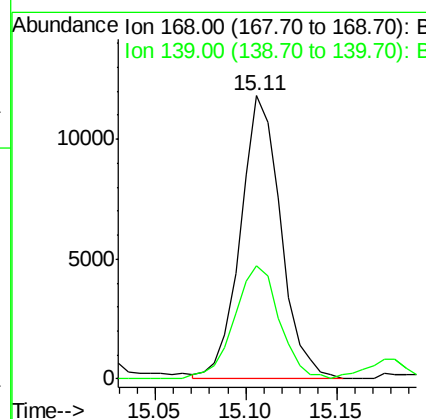
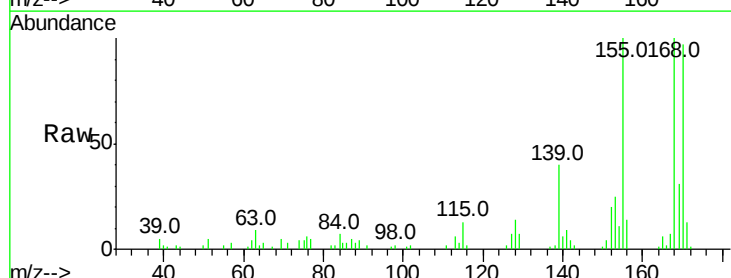
RT: 15.11 min Scan# 2088

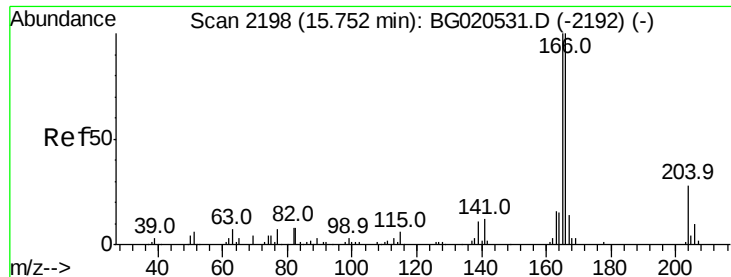
Delta R.T. 0.00 min

Lab File: BG020542.D

Acq: 26 Dec 2015 16:09

Tgt Ion:	168	Resp:	18295
Ion Ratio	Lower	Upper	
168	100		
139	39.8	30.5	45.7





#59

Fluorene

Concen: 26.31 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. 0.01 min

Lab File: BG020542.D

Acq: 26 Dec 2015 16:09

Instrument :

BNA_G

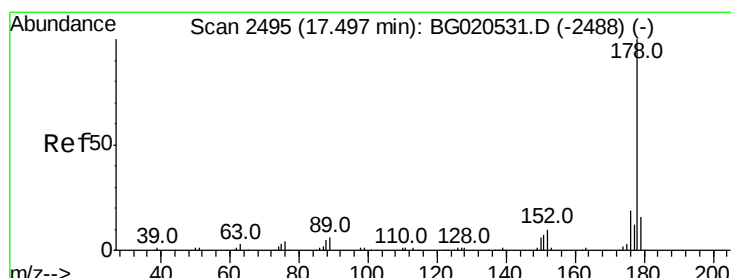
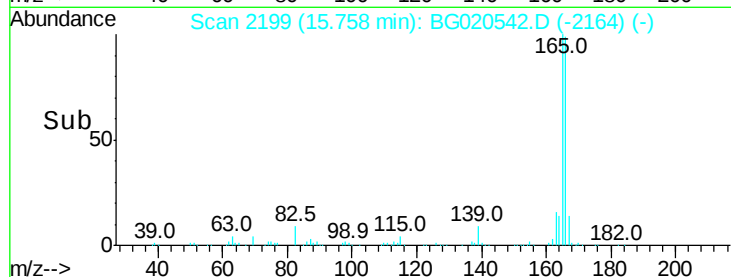
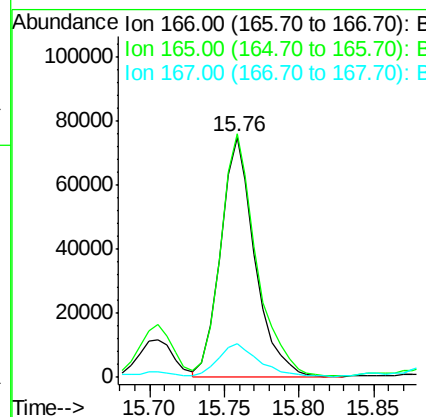
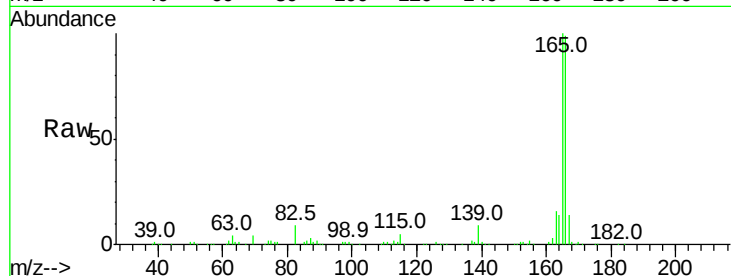
ClientSampleId :

G9D96

Tot Ion:	166	Resp:	119129
Ion Ratio	Lower	Upper	
166	100		
165	101.4	81.4	122.0
167	14.2	11.2	16.8

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#70

Phenanthrene

Concen: 83.62 ng/ul

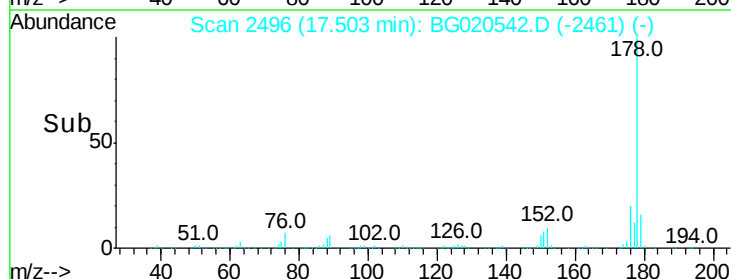
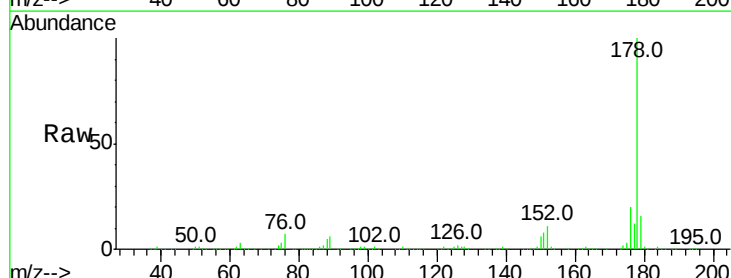
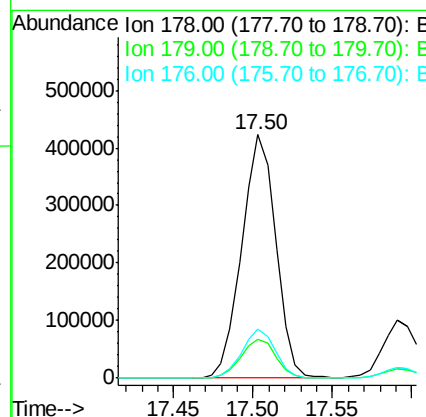
RT: 17.50 min Scan# 2496

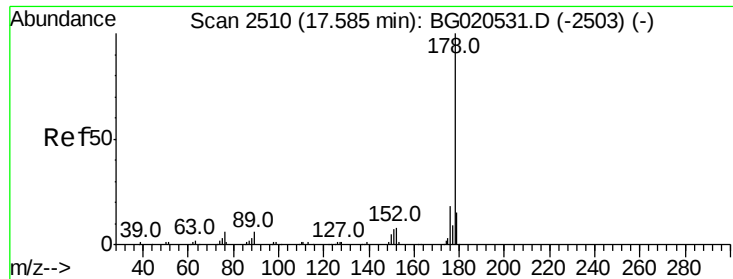
Delta R.T. 0.01 min

Lab File: BG020542.D

Acq: 26 Dec 2015 16:09

Tgt Ion:	178	Resp:	631322
Ion Ratio	Lower	Upper	
178	100		
179	16.0	12.9	19.3
176	19.9	15.3	22.9





#72

Anthracene

Concen: 18.95 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. 0.01 min

Lab File: BG020542.D

Acq: 26 Dec 2015 16:09

Instrument :

BNA_G

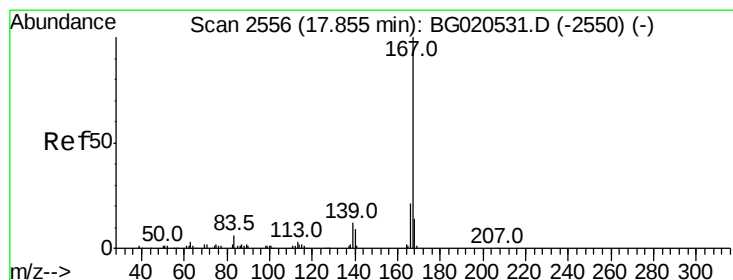
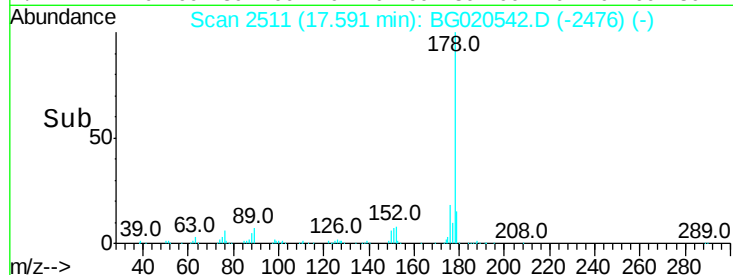
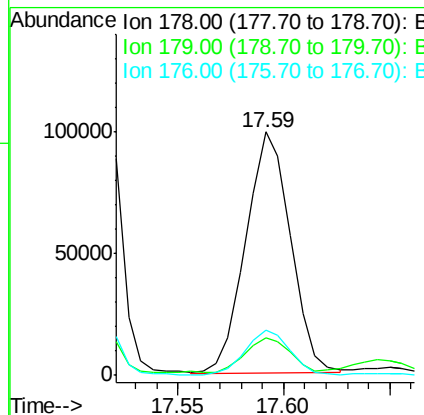
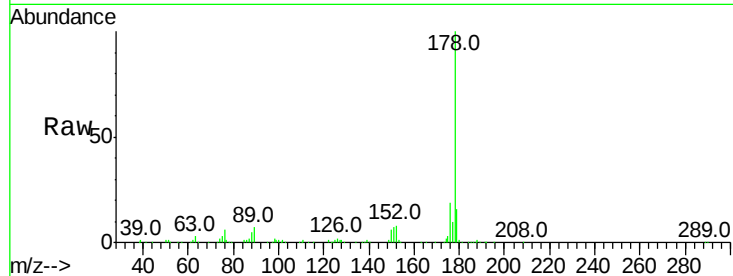
ClientSampleId :

G9D96

Tot Ion:	178	Resp:	146283
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.3	18.5
176	18.6	14.3	21.5

Manual Integrations
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#75

Carbazole

Concen: 1.12 ng/ul

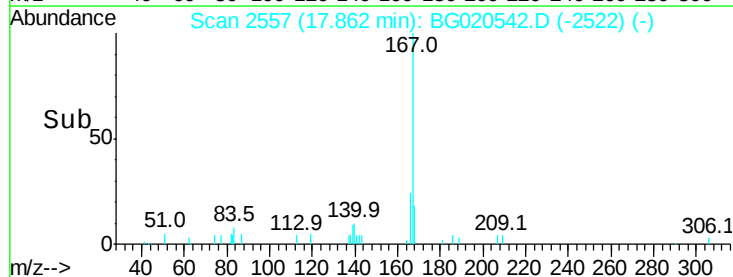
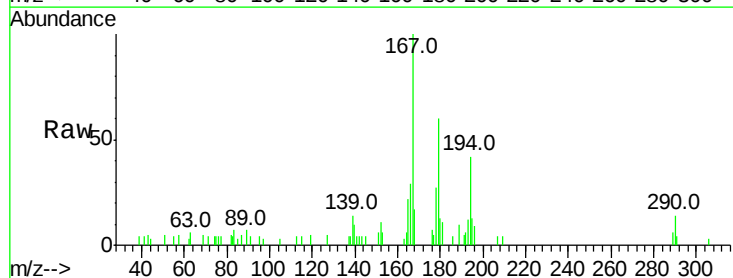
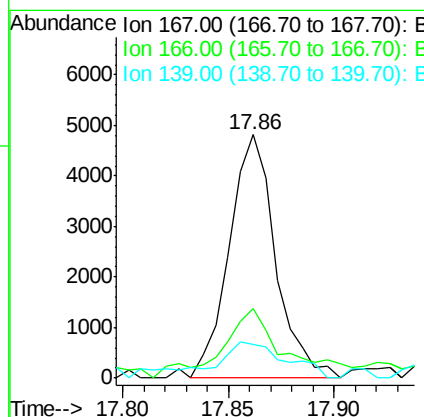
RT: 17.86 min Scan# 2557

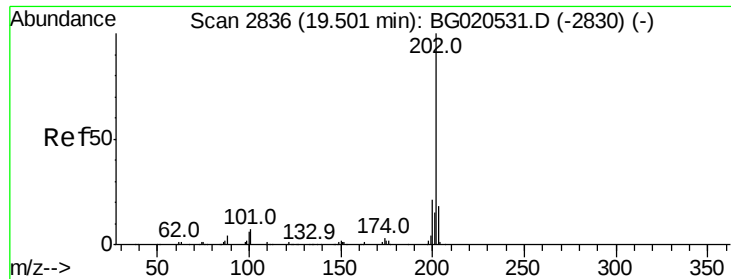
Delta R.T. 0.01 min

Lab File: BG020542.D

Acq: 26 Dec 2015 16:09

Tgt Ion:	167	Resp:	7301
Ion Ratio	Lower	Upper	
167	100		
166	28.8	17.0	25.6#
139	14.0	10.1	15.1





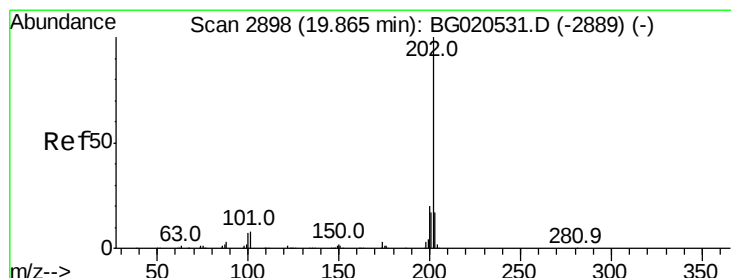
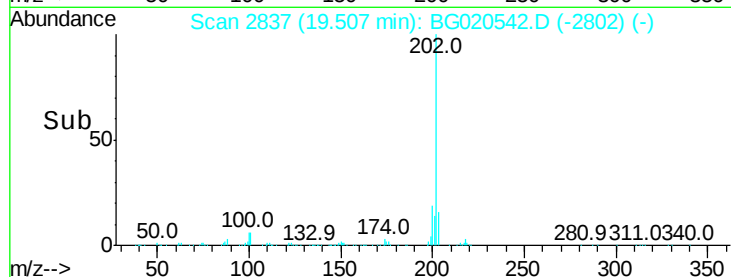
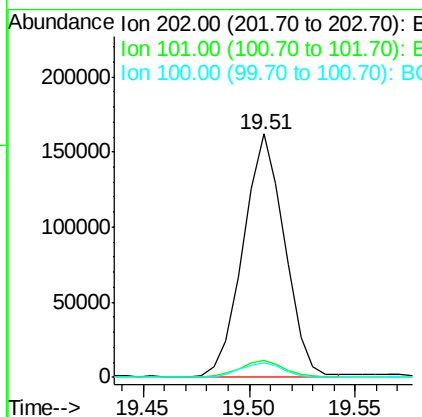
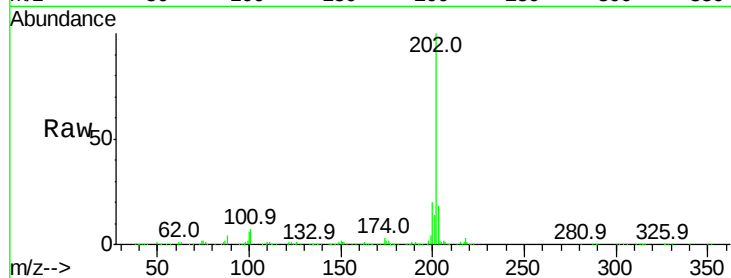
#77
 Fluoranthene
 Concen: 23.11 ng/ul
 RT: 19.51 min Scan# 2837
 Delta R.T. 0.01 min
 Lab File: BG020542.D
 Acq: 26 Dec 2015 16:09

Instrument :
 BNA_G
 ClientSampleId :
 G9D96

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.1	6.2	9.4
100	5.7	5.1	7.7

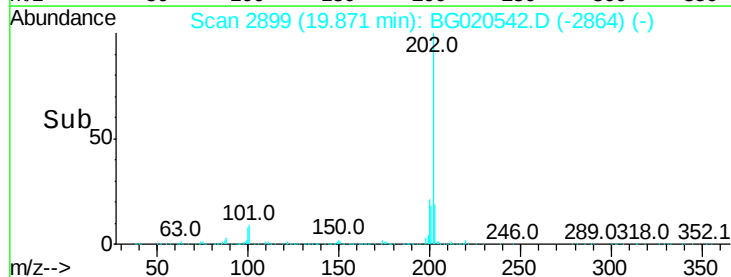
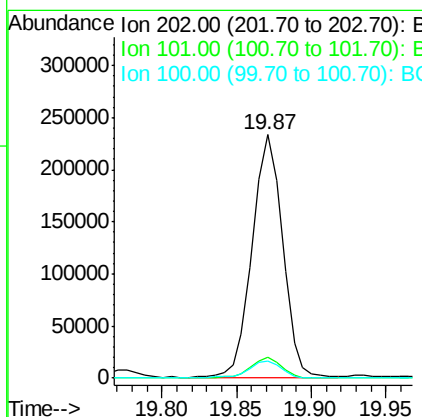
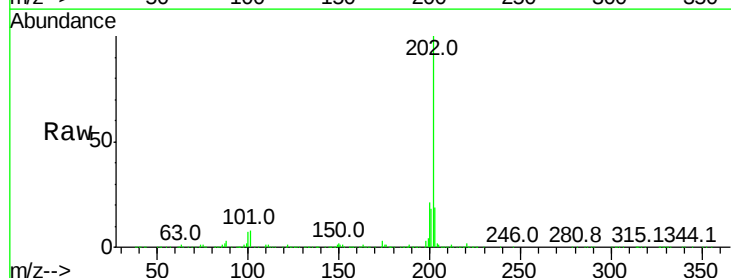
Manual Integrations
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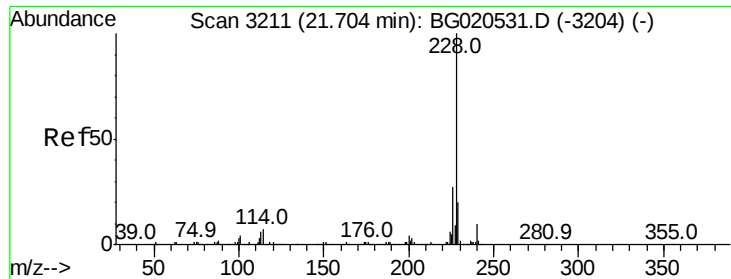
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#80
 Pyrene
 Concen: 34.38 ng/ul
 RT: 19.87 min Scan# 2899
 Delta R.T. 0.01 min
 Lab File: BG020542.D
 Acq: 26 Dec 2015 16:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.5	7.0	10.4
100	7.1	6.4	9.6





#83

Benzo(a)anthracene

Concen: 13.05 ng/ul m

RT: 21.72 min Scan# 3213

Delta R.T. 0.01 min

Lab File: BG020542.D

Acq: 26 Dec 2015 16:09

Instrument :

BNA_G

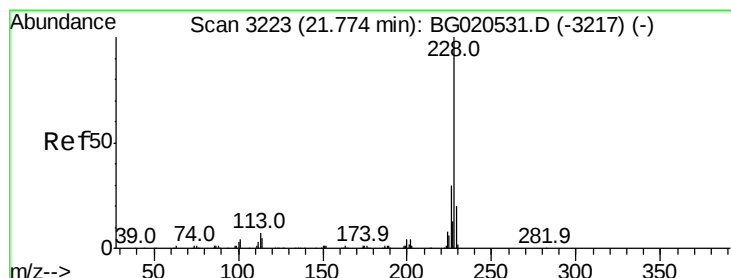
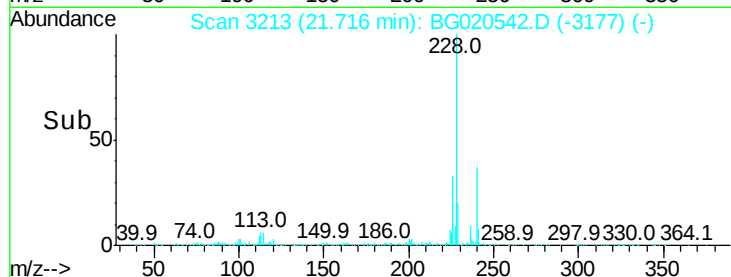
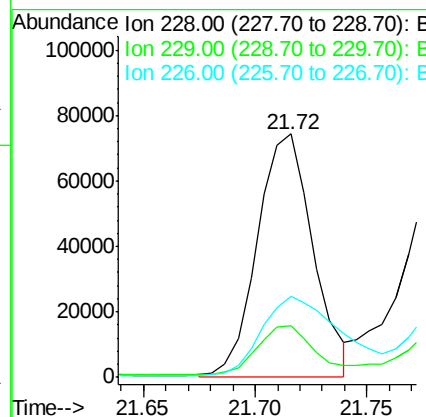
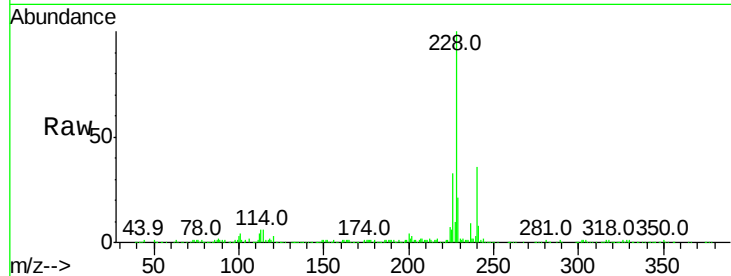
ClientSampleId :

G9D96

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Tot Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.8	23.8
226	33.2	21.8	32.6



#85

Chrysene

Concen: 11.76 ng/ul

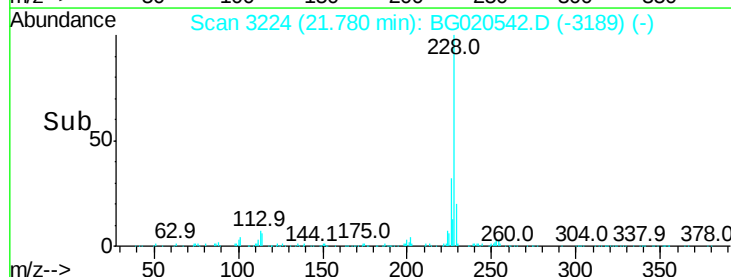
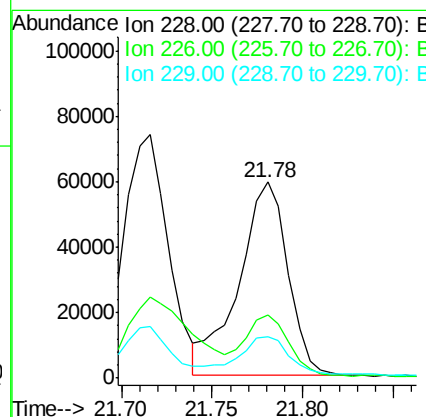
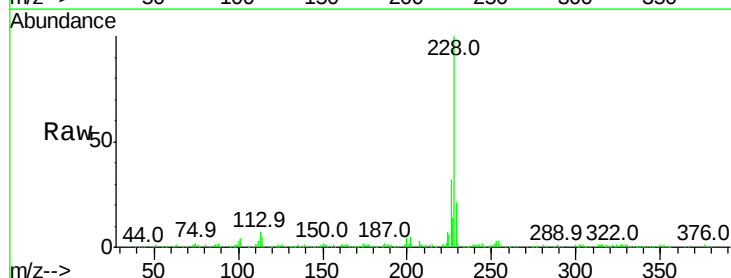
RT: 21.78 min Scan# 3224

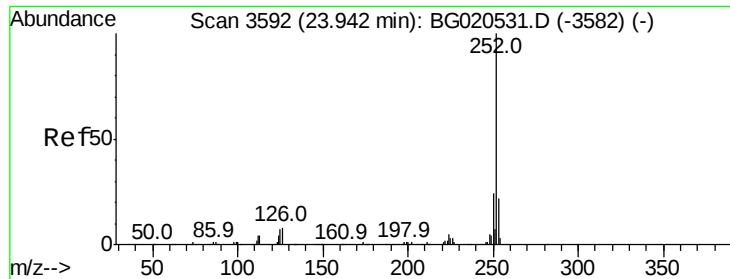
Delta R.T. 0.01 min

Lab File: BG020542.D

Acq: 26 Dec 2015 16:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	23.9	35.9
229	20.8	15.6	23.4





#88

Benzo(b)fluoranthene

Concen: 9.10 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. 0.02 min

Lab File: BG020542.D

Acq: 26 Dec 2015 16:09

Instrument :

BNA_G

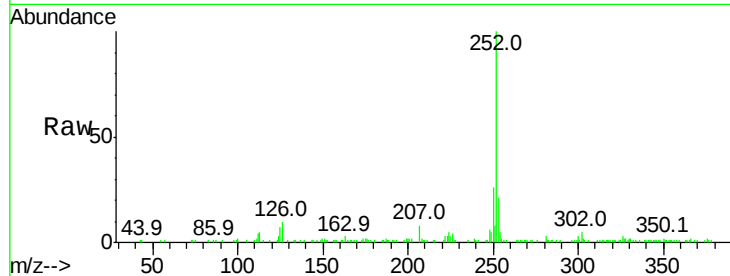
ClientSampleId :

G9D96

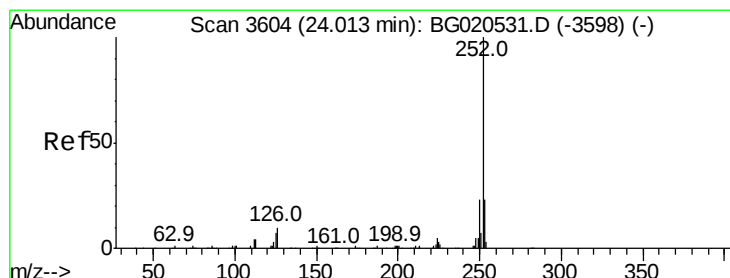
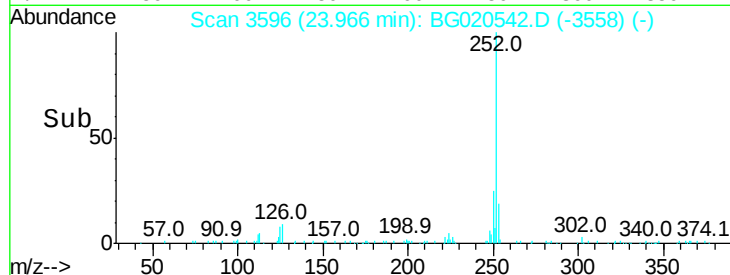
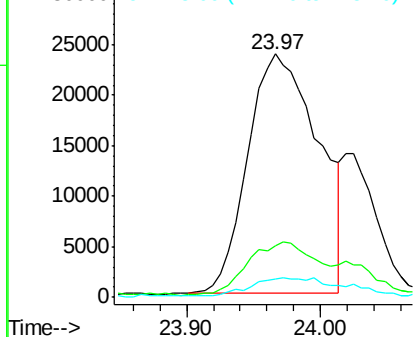
Tot Ion:	252	Resp:	87184
Ion Ratio	Lower	Upper	
252	100		
253	21.1	16.7	25.1
125	7.4	6.2	9.2

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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



#89

Benzo(k)fluoranthene

Concen: 2.78 ng/ul m

RT: 24.02 min Scan# 3605

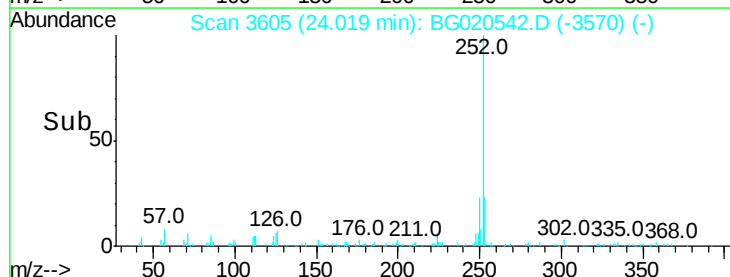
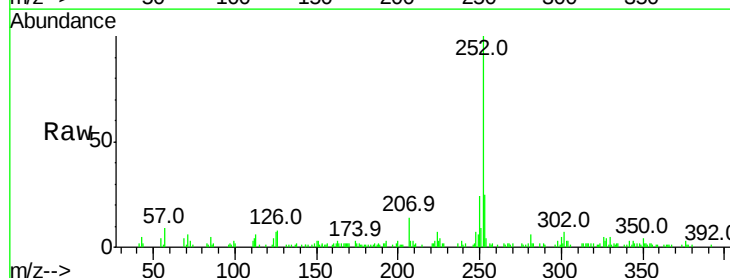
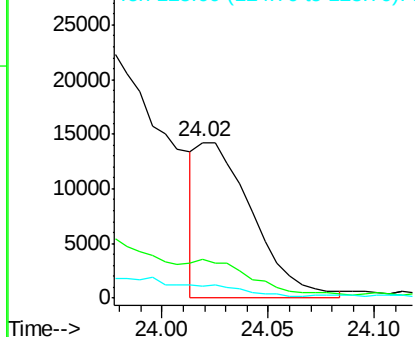
Delta R.T. 0.01 min

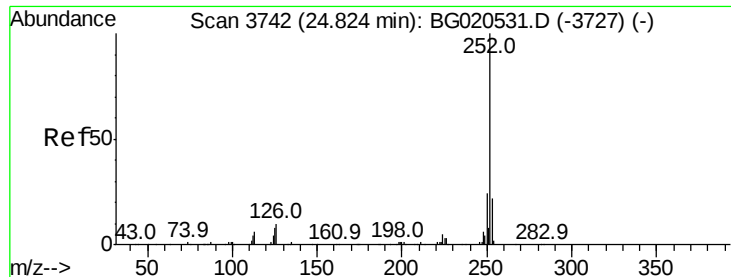
Lab File: BG020542.D

Acq: 26 Dec 2015 16:09

Tgt Ion:	252	Resp:	25760
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.9	26.9
125	7.4	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





#91

Benzo(a)pyrene

Concen: 11.50 ng/ul

RT: 24.85 min Scan# 3746

Delta R.T. 0.02 min

Lab File: BG020542.D

Acq: 26 Dec 2015 16:09

Instrument :

BNA_G

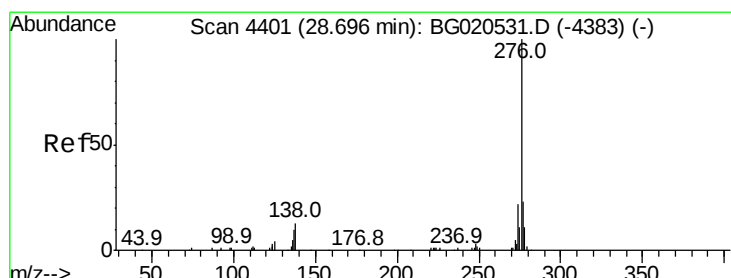
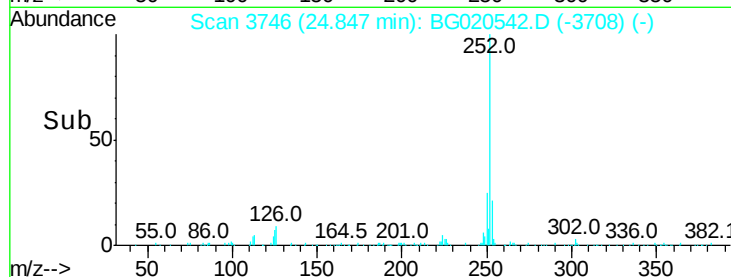
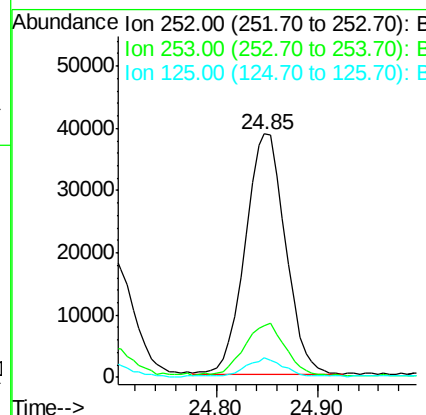
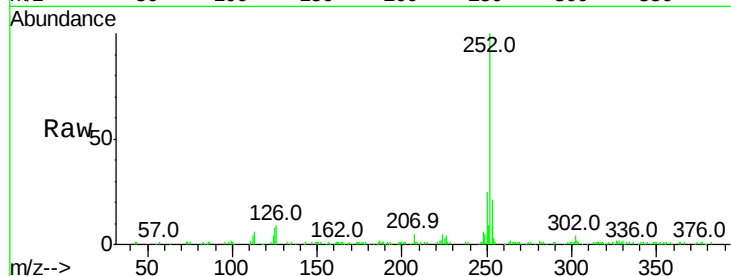
ClientSampled :

G9D96

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.0	25.4
125	7.8	6.2	9.4

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#92

Indeno(1,2,3-cd)pyrene

Concen: 3.94 ng/ul

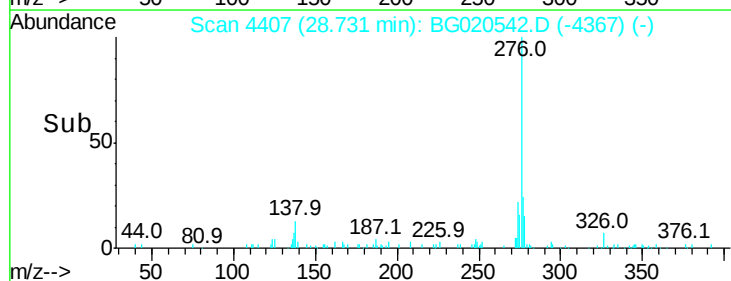
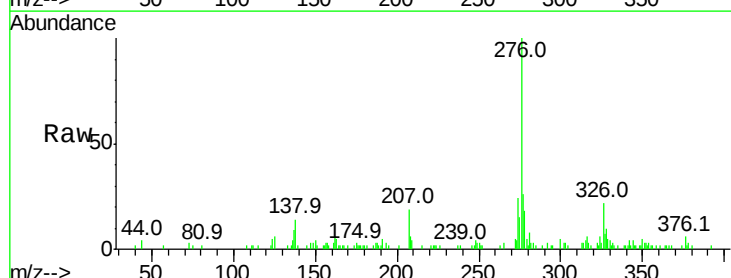
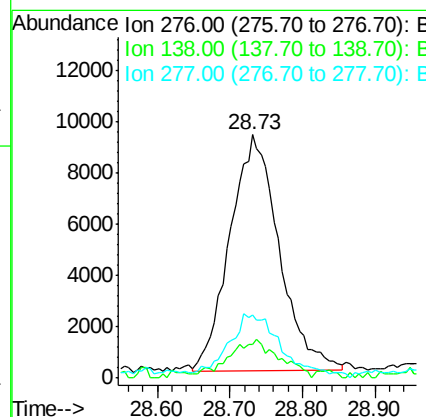
RT: 28.73 min Scan# 4407

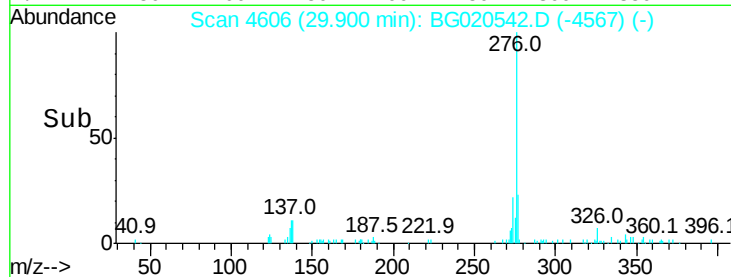
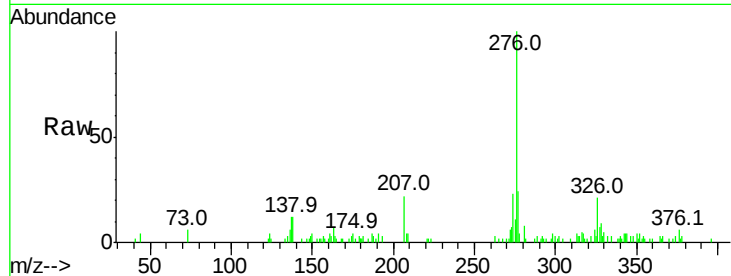
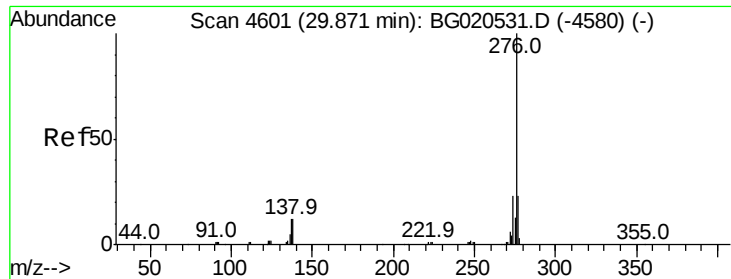
Delta R.T. 0.04 min

Lab File: BG020542.D

Acq: 26 Dec 2015 16:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.9	11.4	17.0
277	25.9	17.4	26.0





#94

Benzo(a,h,i)perylene

Concen: 4.84 ng/ul

RT: 29.90 min Scan# 4606

Delta R.T. 0.03 min

Lab File: BG020542.D

Acq: 26 Dec 2015 16:09

Instrument :

BNA_G

ClientSampleId :

G9D96

Tot Ion:	276	Resp:	43839
Ion Ratio	Lower	Upper	
276	100		
138	12.2	10.8	16.2
277	23.8	19.9	29.9

Manual Integrations
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