

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
 Data File : BG020633.D
 Acq On : 31 Dec 2015 9:25
 Operator : UM/SJ
 Sample : G4802-13DL 30X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 G9D88DL

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:37:51 PM

Quant Time: Dec 31 13:53:41 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG123015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 31 03:43:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	17872	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	81640	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	60084	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	151183	20.00	ng/ul	0.00
78) Chrysene-d12	21.72	240	181377	20.00	ng/ul	0.00
86) Perylene-d12	24.96	264	174441	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.23	99	319	0.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.38	67	370	0.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	521	0.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.60	113	110	0.08	ng/ul	-0.18
19) Nitrobenzene-d5	9.24	128	438	0.69	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	201	0.27	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.50	165	199	0.14	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	204	0.12	ng/ul	0.01
44) Dimethylphthalate-d6	14.09	166	4493	0.91	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	5755	1.03	ng/ul	0.00
52) 4-Nitrophenol-d4	14.89	143	147	0.19	ng/ul	-0.01
58) Fluorene-d10	15.68	176	5267	1.18	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.54	188	7631	1.08	ng/ul	0.00
79) Pyrene-d10	19.82	212	8963	1.10	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	9089	1.04	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.93	128	482088	111.51	ng/ul	99
34) 2-Methylnaphthalene	12.53	142	283370	87.59	ng/ul	98
41) 1,1'-Biphenyl	13.53	154	32499	7.19	ng/ul#	99
48) Acenaphthylene	14.42	152	15341	2.58	ng/ul#	72
50) Acenaphthene	14.76	153	136174	33.83	ng/ul	97
54) Dibenzofuran	15.09	168	17283	2.84	ng/ul	92
59) Fluorene	15.74	166	93935	19.20	ng/ul	98
70) Phenanthrene	17.49	178	483843	58.87	ng/ul	98
72) Anthracene	17.57	178	114796	13.66	ng/ul	98
77) Fluoranthene	19.49	202	148653	14.80	ng/ul	99
80) Pyrene	19.85	202	248897	23.69	ng/ul	99
83) Benzo(a)anthracene	21.69	228	79527	7.49	ng/ul	96
85) Chrysene	21.76	228	74421	7.45	ng/ul	96
88) Benzo(b)fluoranthene	23.93	252	39901	3.85	ng/ul	98
91) Benzo(a)pyrene	24.81	252	47553	4.78	ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	28.67	276	17619	1.48	ng/ul	97
94) Benzo(g,h,i)perylene	29.84	276	20064m	2.06	ng/ul	

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

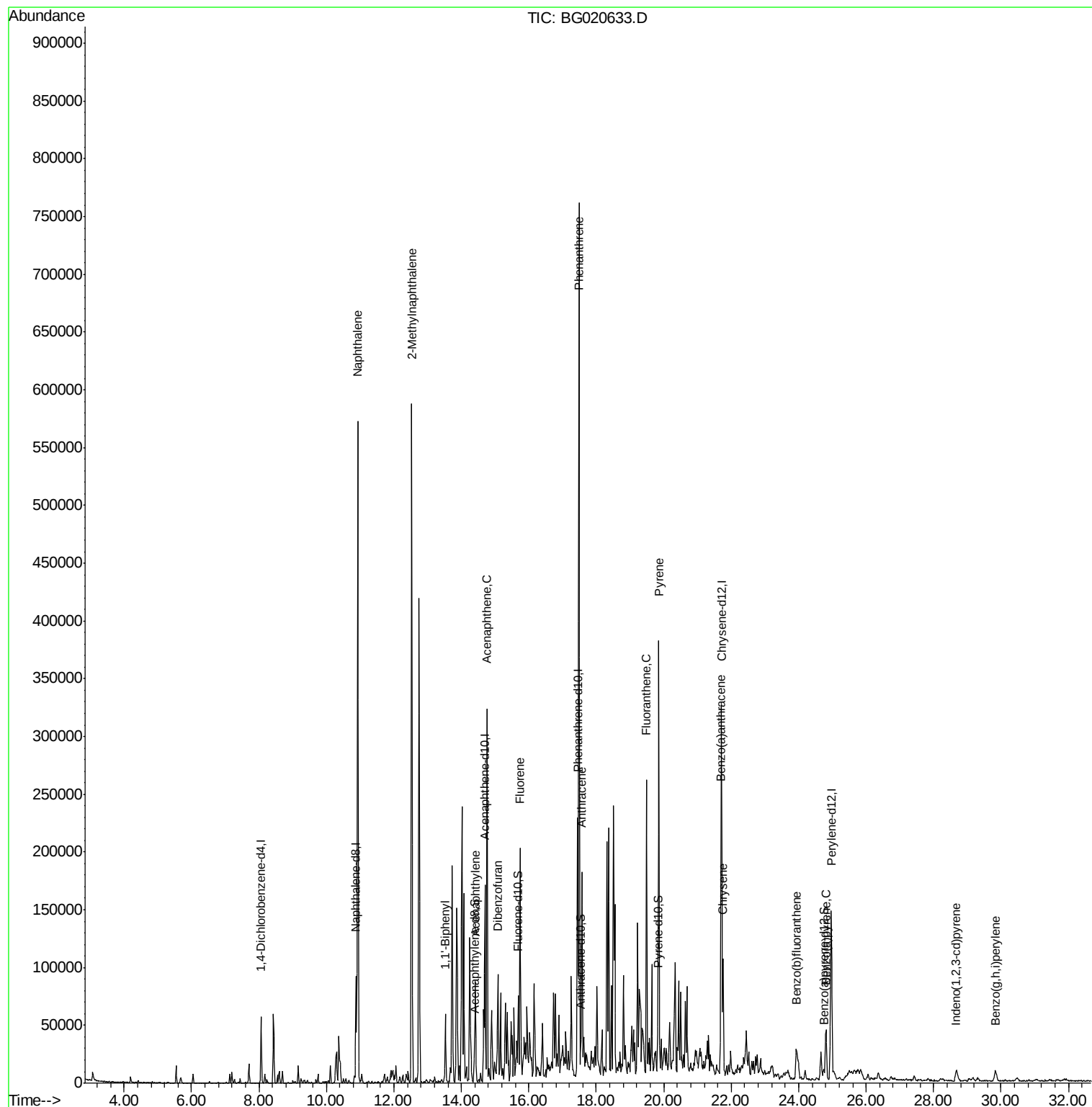
Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020633.D
Acq On : 31 Dec 2015 9:25
Operator : UM/SJ
Sample : G4802-13DL 30X
Misc :
ALS Vial : 40 Sample Multiplier: 1

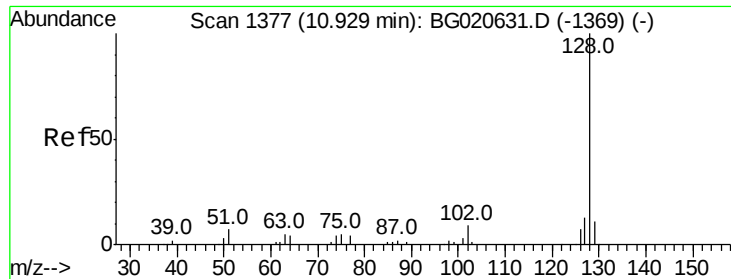
Instrument :
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ClientSampleId :
G9D88DL

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Quant Title : SVOA CALIBRATION
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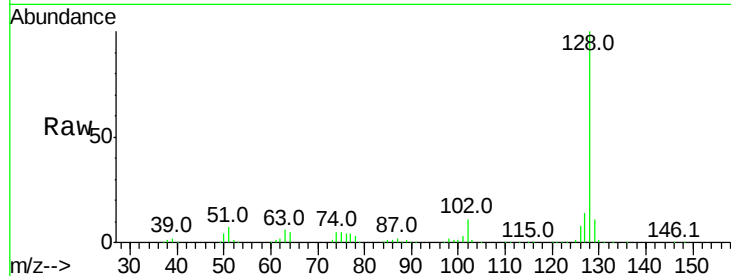
#28
Naphthalene
Concen: 111.51 ng/ul
RT: 10.93 min Scan# 1377
Delta R.T. 0.00 min
Lab File: BG020633.D
Acq: 31 Dec 2015 9:25

Instrument :
BNA_G
ClientSampleId :
G9D88DL

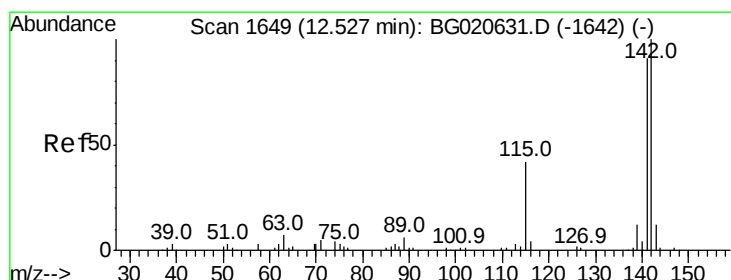
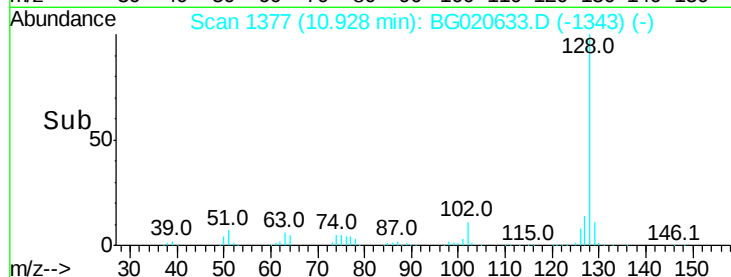
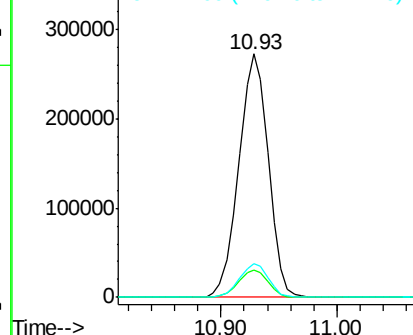
Tot Ion	Ratio	Resp	Lower	Upper
128	100	482088		
129	11.0		8.3	12.5
127	13.9		10.8	16.2

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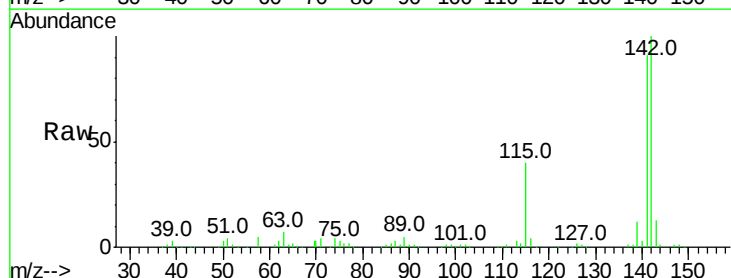


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

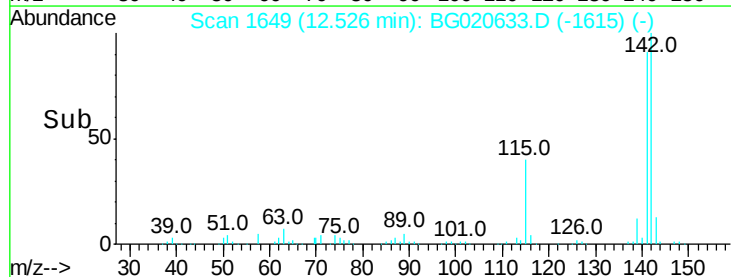
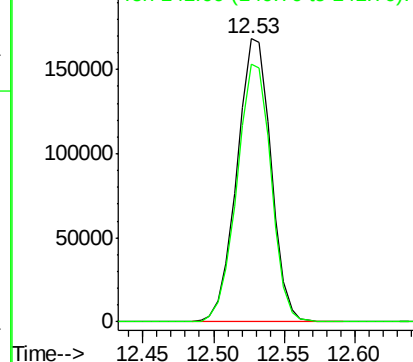


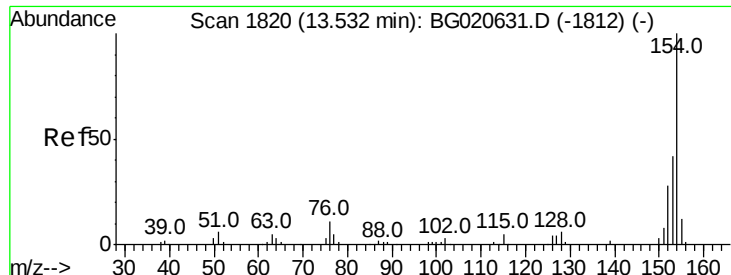
#34
2-Methylnaphthalene
Concen: 87.59 ng/ul
RT: 12.53 min Scan# 1649
Delta R.T. 0.00 min
Lab File: BG020633.D
Acq: 31 Dec 2015 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	283370		
141	91.0		71.4	107.2



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





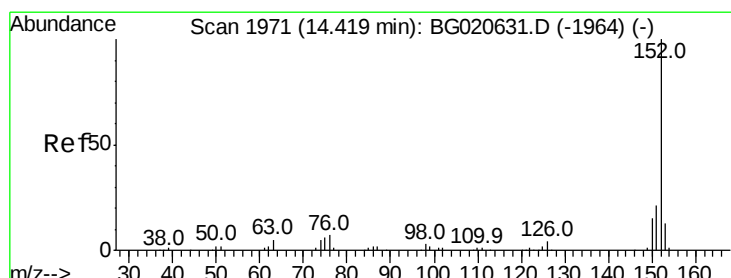
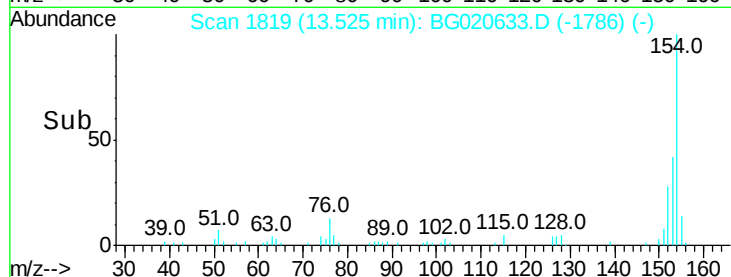
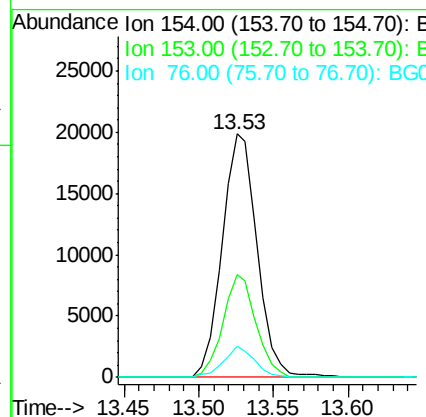
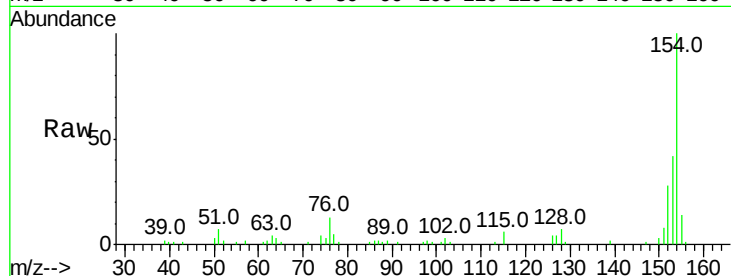
#41
 1,1'-Biphenyl
 Concen: 7.19 ng/ul
 RT: 13.53 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BG020633.D
 Acq: 31 Dec 2015 9:25

Instrument :
 BNA_G
 ClientSampleID :
 G9D88DL

Tot Ion	Ratio	Resp Lower	Upper
154	100		
153	42.3	34.0	51.0
76	12.6	8.4	12.6#

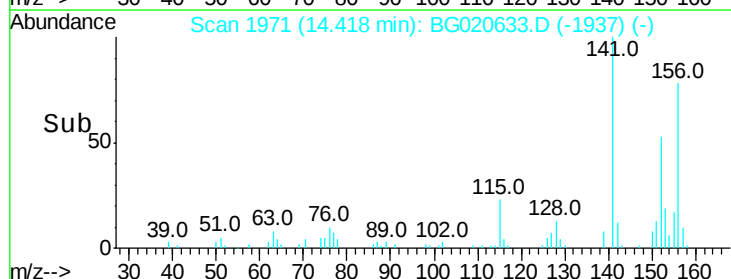
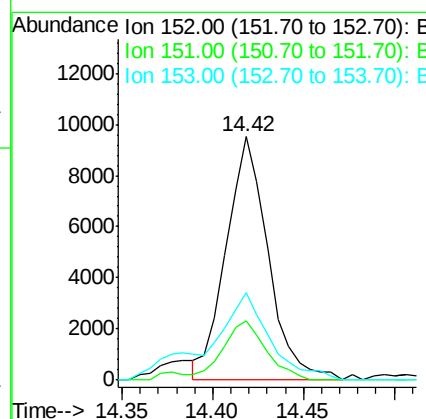
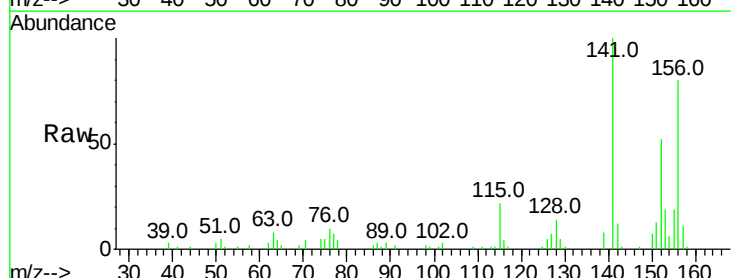
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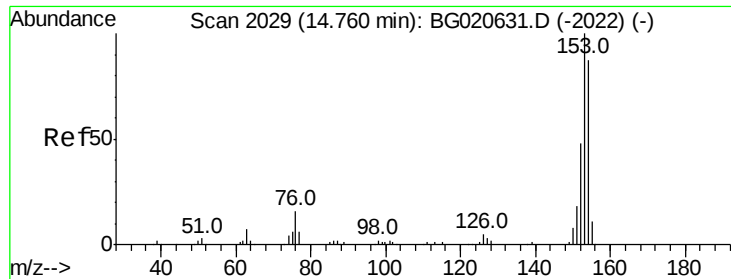
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#48
 Acenaphthylene
 Concen: 2.58 ng/ul
 RT: 14.42 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: BG020633.D
 Acq: 31 Dec 2015 9:25

Tgt Ion	Ratio	Resp Lower	Upper
152	100		
151	24.5	16.1	24.1#
153	35.8	10.8	16.2#





#50

Acenaphthene

Concen: 33.83 ng/ul

RT: 14.76 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BG020633.D

Acq: 31 Dec 2015 9:25

Instrument :

BNA_G

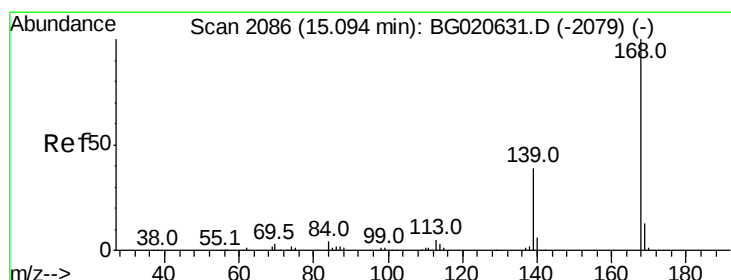
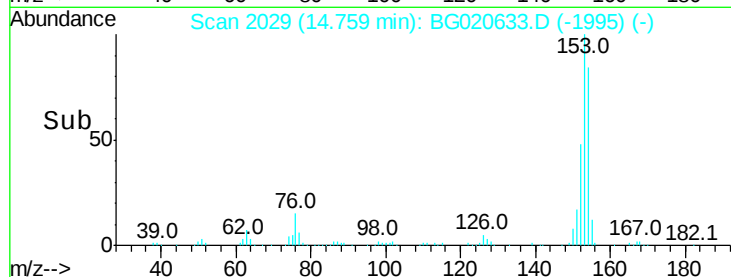
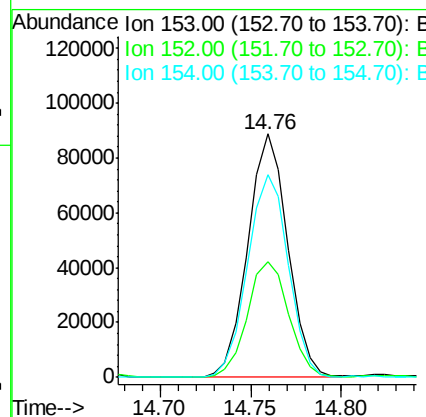
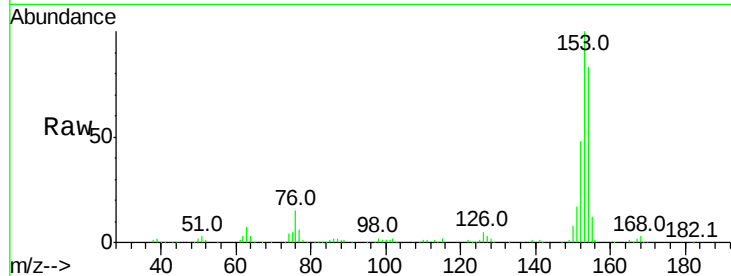
ClientSampleId :

G9D88DL

Tot Ion:	153	Resp:	136174
Ion Ratio	Lower	Upper	
153	100		
152	47.6	37.9	56.9
154	83.0	69.8	104.6

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#54

Dibenzofuran

Concen: 2.84 ng/ul

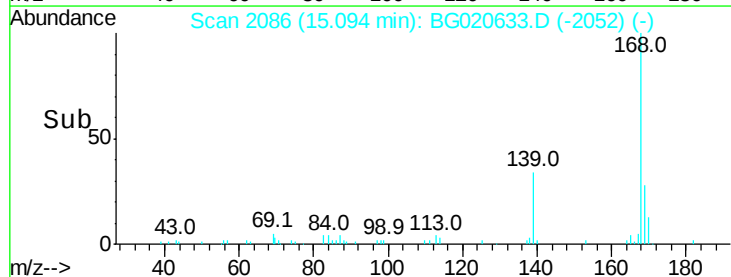
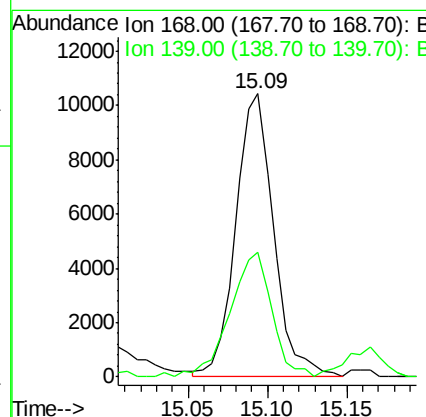
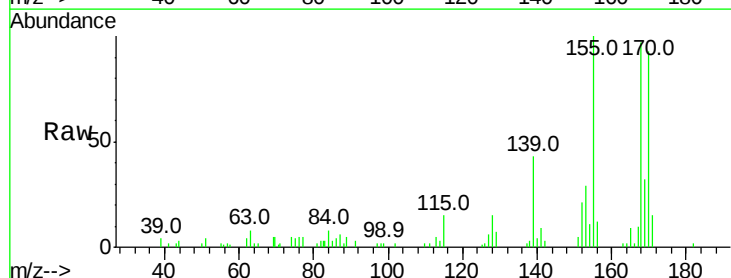
RT: 15.09 min Scan# 2086

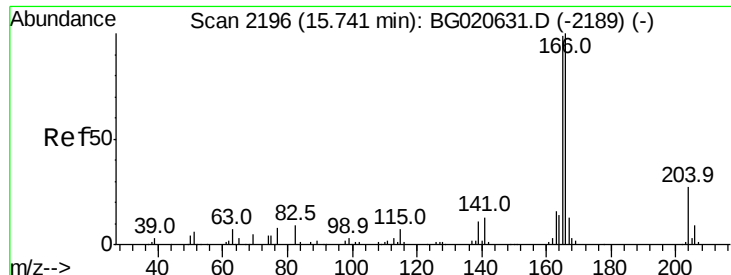
Delta R.T. 0.00 min

Lab File: BG020633.D

Acq: 31 Dec 2015 9:25

Tgt Ion:	168	Resp:	17283
Ion Ratio	Lower	Upper	
168	100		
139	43.8	31.0	46.4





#59

Fluorene

Concen: 19.20 ng/ul

RT: 15.74 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BG020633.D

Acq: 31 Dec 2015 9:25

Instrument :

BNA_G

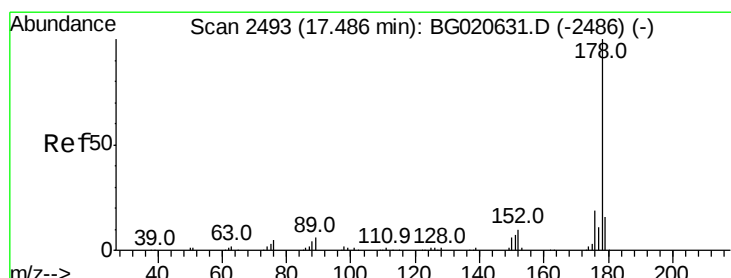
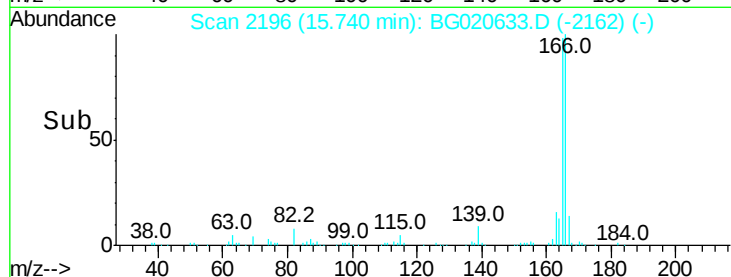
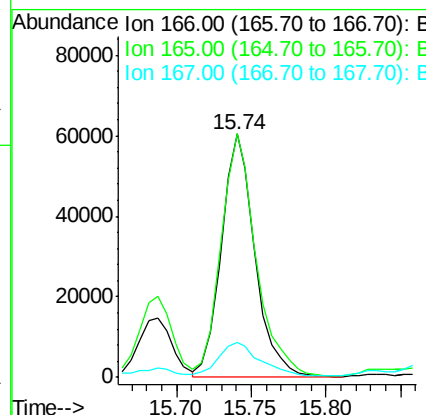
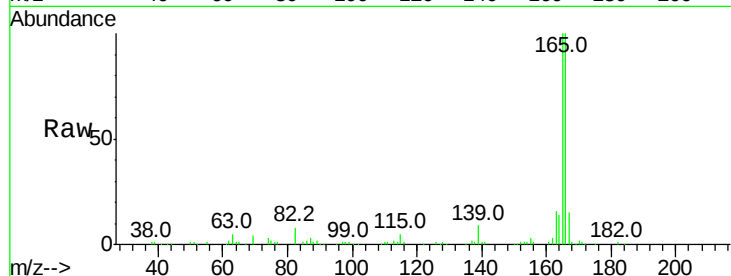
ClientSampleId :

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Tot Ion:	166	Resp:	93935
Ion Ratio	Lower	Upper	
166	100		
165	99.9	78.4	117.6
167	14.6	11.1	16.7



#70

Phenanthrene

Concen: 58.87 ng/ul

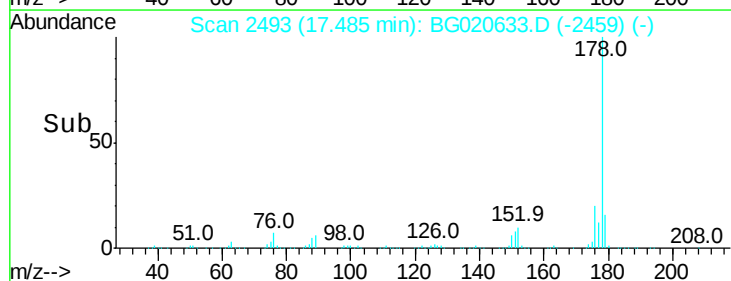
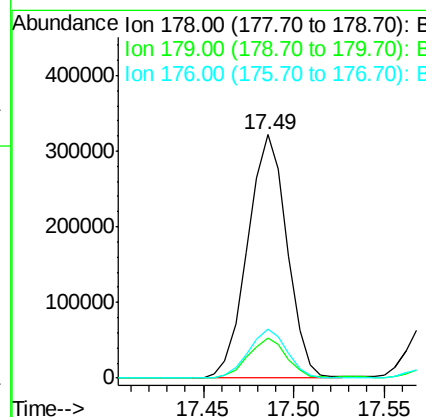
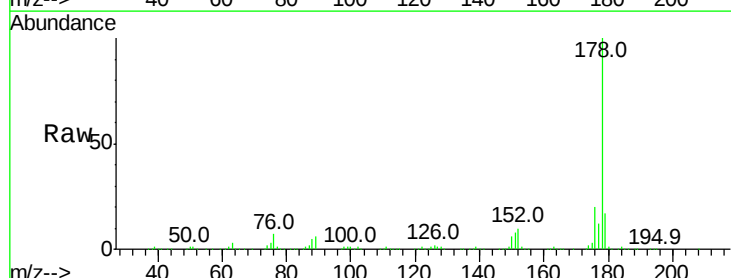
RT: 17.49 min Scan# 2493

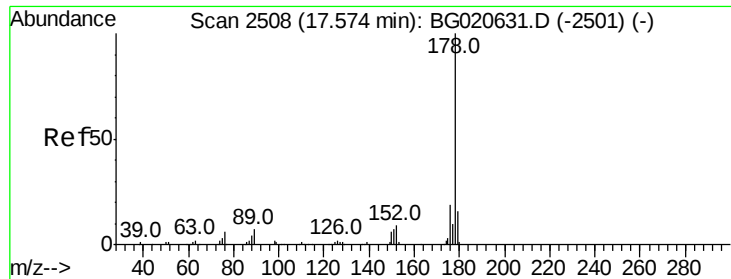
Delta R.T. 0.00 min

Lab File: BG020633.D

Acq: 31 Dec 2015 9:25

Tgt Ion:	178	Resp:	483843
Ion Ratio	Lower	Upper	
178	100		
179	16.6	12.3	18.5
176	20.2	15.4	23.0





#72

Anthracene

Concen: 13.66 ng/ul

RT: 17.57 min Scan# 2508

Delta R.T. 0.00 min

Lab File: BG020633.D

Acq: 31 Dec 2015 9:25

Instrument :

BNA_G

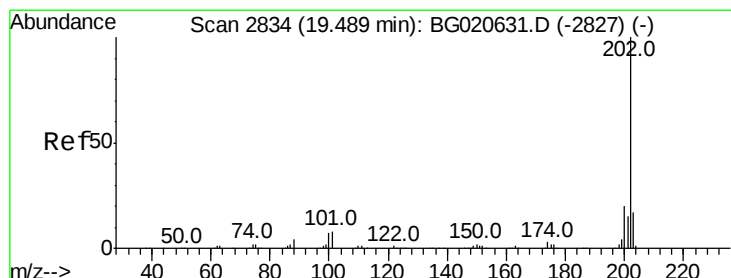
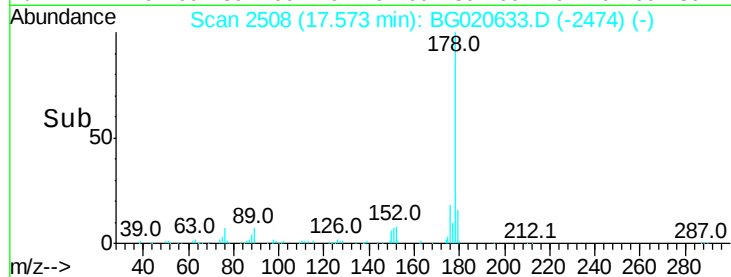
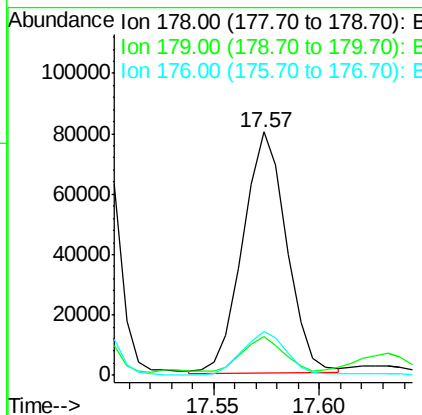
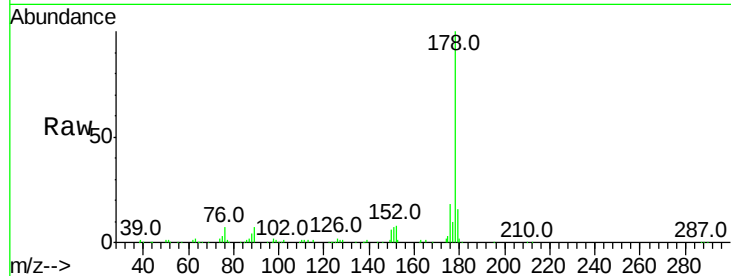
ClientSampleId :

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Tot Ion:178	Resp:	114796
Ion Ratio	Lower	Upper
178	100	
179	16.2	13.4 20.2
176	18.2	15.4 23.0

Manual Integrations
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#77

Fluoranthene

Concen: 14.80 ng/ul

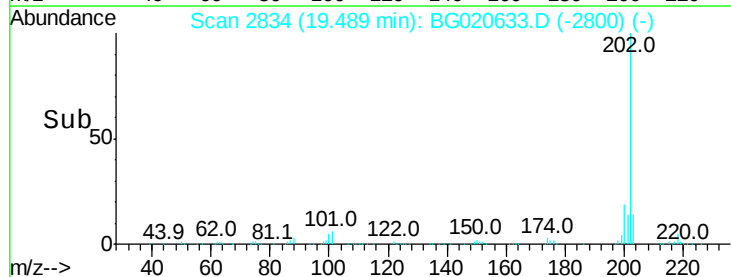
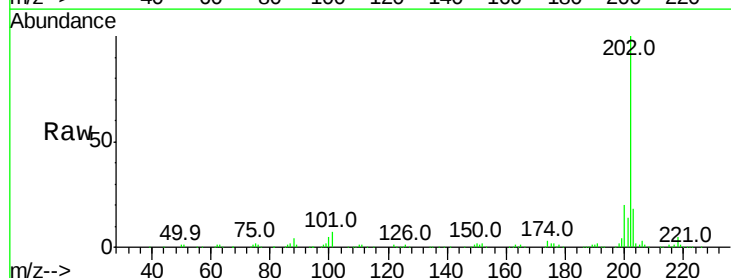
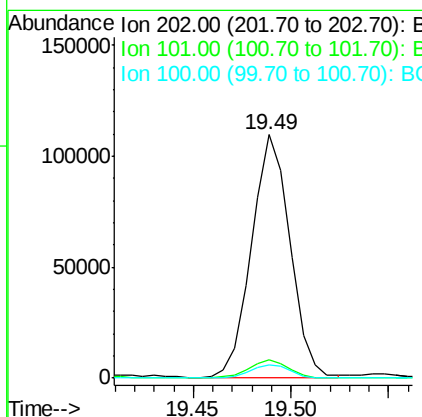
RT: 19.49 min Scan# 2834

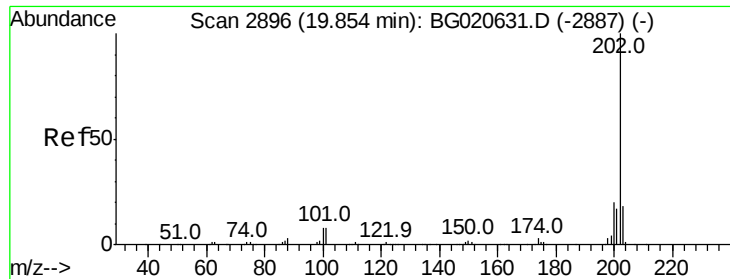
Delta R.T. 0.00 min

Lab File: BG020633.D

Acq: 31 Dec 2015 9:25

Tgt Ion:202	Resp:	148653
Ion Ratio	Lower	Upper
202	100	
101	7.4	6.1 9.1
100	5.3	4.6 7.0





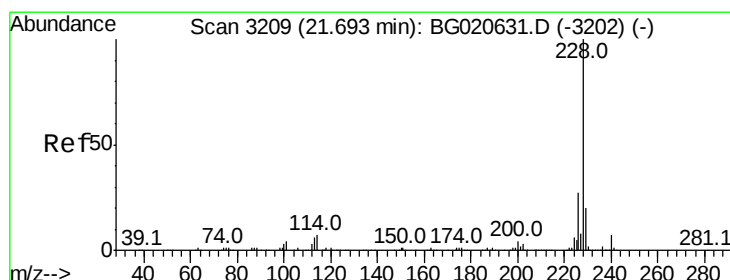
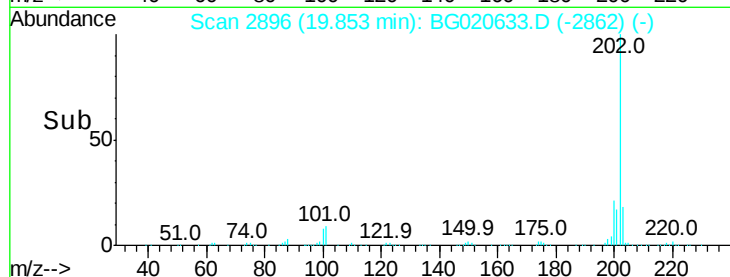
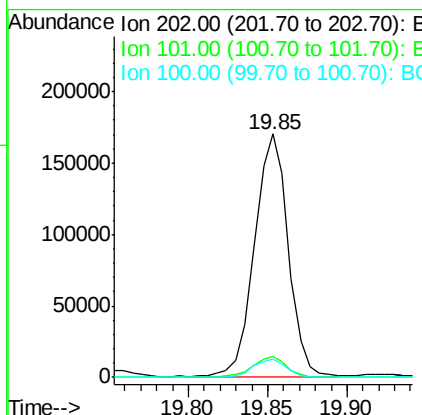
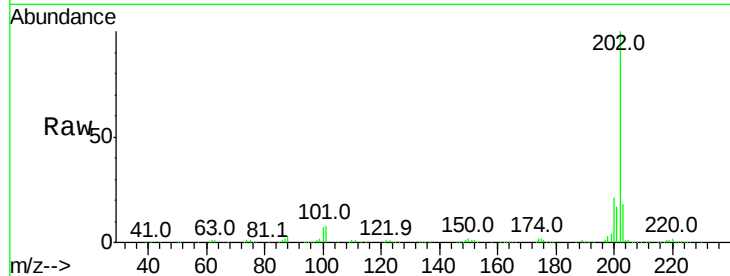
#80
Pvrene
Concen: 23.69 ng/ul
RT: 19.85 min Scan# 2896
Delta R.T. 0.00 min
Lab File: BG020633.D
Acq: 31 Dec 2015 9:25

Instrument :
BNA_G
ClientSampleId :
G9D88DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.4	6.9	10.3
100	7.4	5.6	8.4

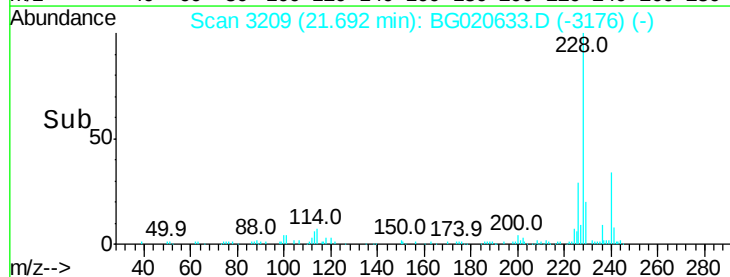
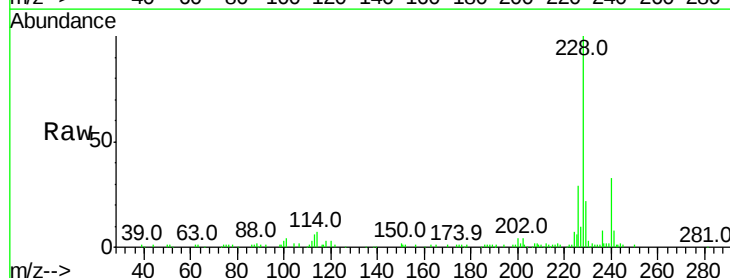
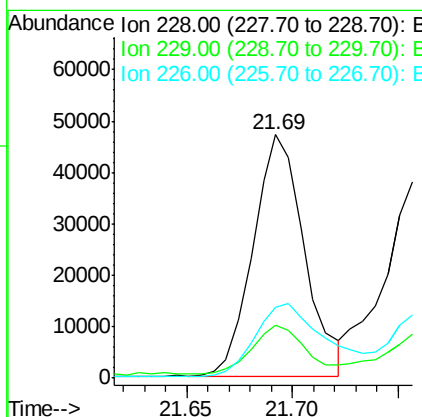
Manual Integrations
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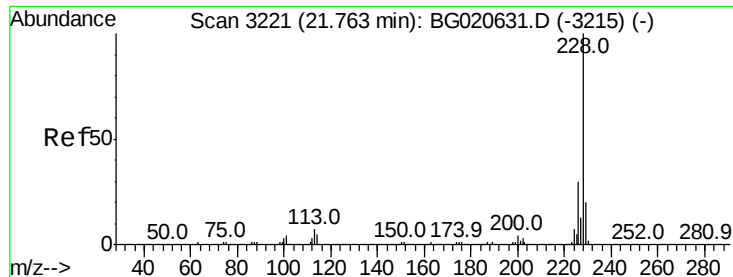
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#83
Benzo(a)anthracene
Concen: 7.49 ng/ul
RT: 21.69 min Scan# 3209
Delta R.T. -0.01 min
Lab File: BG020633.D
Acq: 31 Dec 2015 9:25

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.9	16.0	24.0
226	29.2	21.8	32.8





#85

Chrysene

Concen: 7.45 ng/ul

RT: 21.76 min Scan# 3220

Delta R.T. -0.01 min

Lab File: BG020633.D

Acq: 31 Dec 2015 9:25

Instrument :

BNA_G

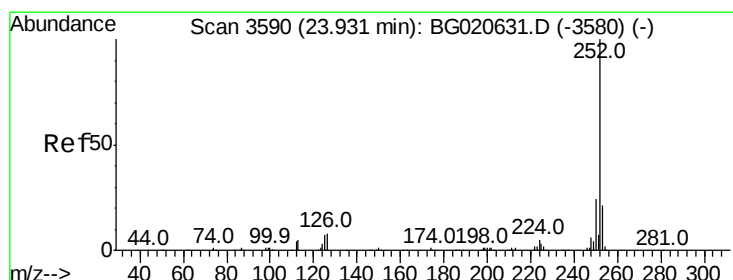
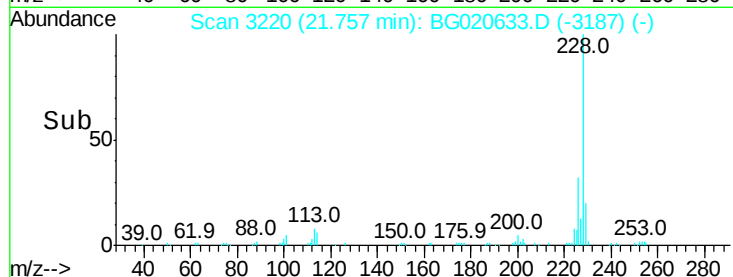
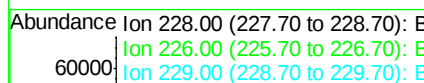
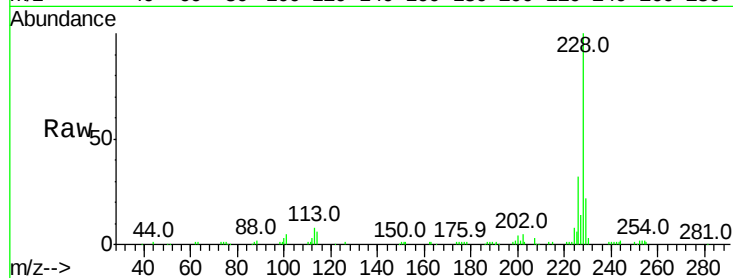
ClientSampleId :

G9D88DL

Tot Ion:	228	Resp:	74421
Ion Ratio	Lower	Upper	
228	100		
226	32.1	24.1	36.1
229	22.1	16.0	24.0

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#88

Benzo(b)fluoranthene

Concen: 3.85 ng/ul

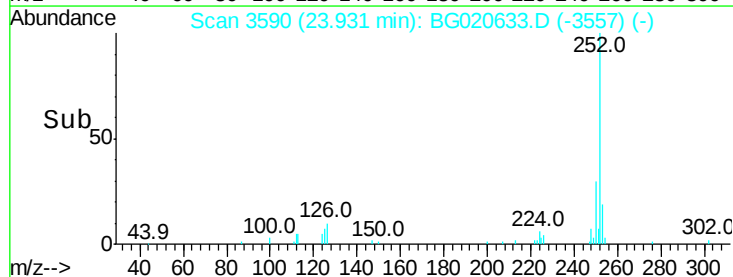
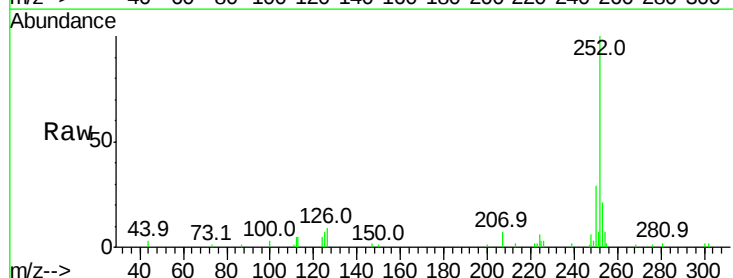
RT: 23.93 min Scan# 3590

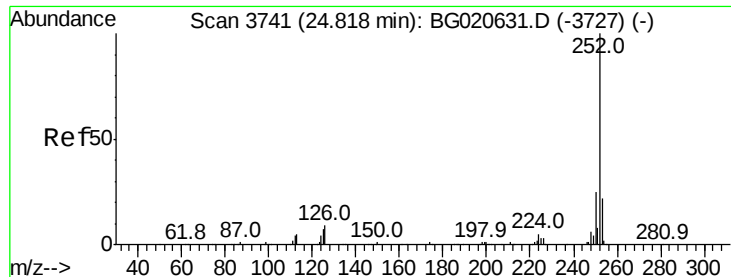
Delta R.T. -0.01 min

Lab File: BG020633.D

Acq: 31 Dec 2015 9:25

Tgt Ion:	252	Resp:	39901
Ion Ratio	Lower	Upper	
252	100		
253	20.6	17.4	26.0
125	6.9	4.9	7.3





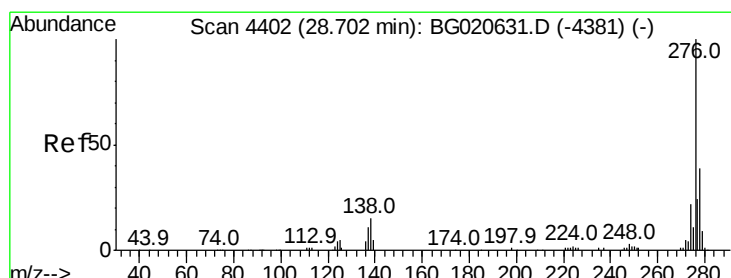
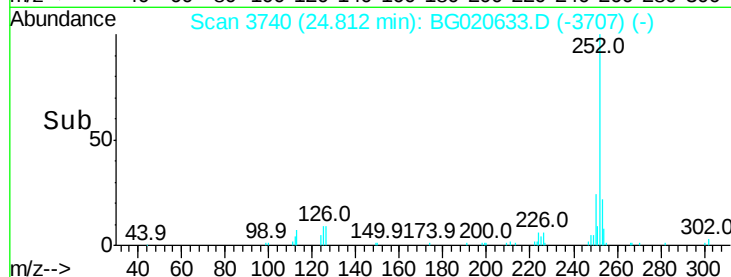
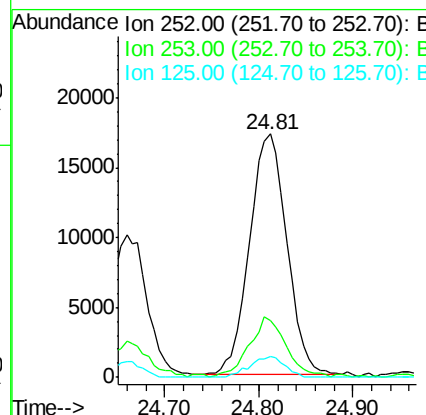
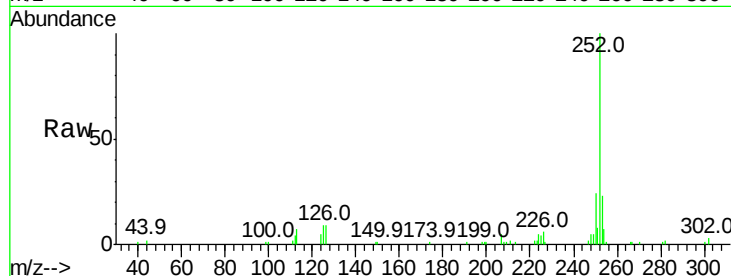
#91
Benzo(a)pyrene
Concen: 4.78 ng/ul
RT: 24.81 min Scan# 3740
Delta R.T. -0.01 min
Lab File: BG020633.D
Acq: 31 Dec 2015 9:25

Instrument :
BNA_G
ClientSampleId :
G9D88DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	17.2	25.8
125	8.8	5.8	8.6

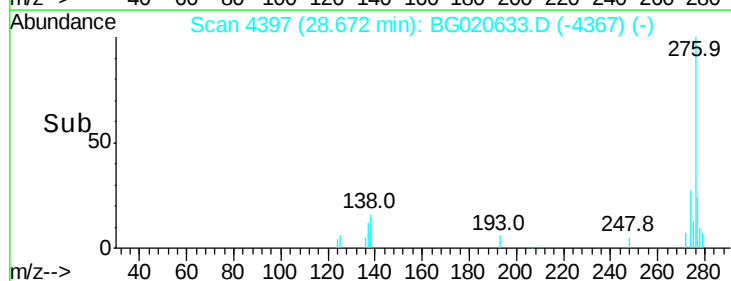
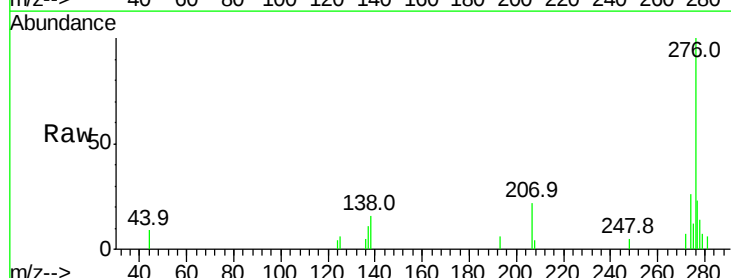
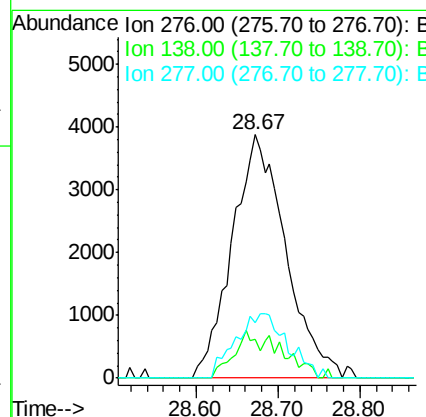
Manual Integrations
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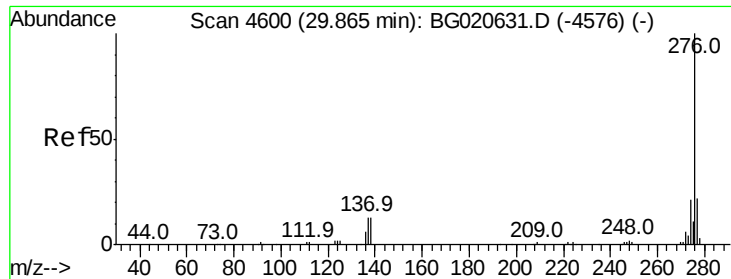
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#92
Indeno(1,2,3-cd)pyrene
Concen: 1.48 ng/ul
RT: 28.67 min Scan# 4397
Delta R.T. -0.02 min
Lab File: BG020633.D
Acq: 31 Dec 2015 9:25

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	15.8	10.9	16.3
277	22.7	18.9	28.3





#94

Benzo(a,h,i)perylene

Concen: 2.06 ng/ul m

RT: 29.84 min Scan# 4596

Delta R.T. -0.01 min

Lab File: BG020633.D

Acq: 31 Dec 2015 9:25

Instrument :

BNA_G

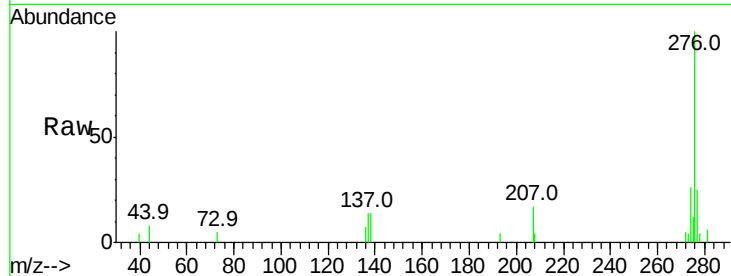
ClientSampleId :

G9D88DL

Tot Ion:	276	Resp:	20064
Ion Ratio	Lower	Upper	
276	100		
138	14.5	11.2	16.8
277	24.7	19.0	28.6

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

