

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
 Data File : BG020636.D
 Acq On : 31 Dec 2015 11:22
 Operator : UM/SJ
 Sample : G4802-16DL 5X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D91DL

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:38:13 PM

Quant Time: Dec 31 15:40:19 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	17412	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	81611	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.70	164	63669	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.45	188	159775	20.00	ng/ul	0.00
78) Chrysene-d12	21.72	240	194547	20.00	ng/ul	0.00
86) Perylene-d12	24.98	264	185592	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	7.22	99	3810	2.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.38	67	2524	2.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	3568	3.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	3320	2.63	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	1865	2.96	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	2083	2.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	3846	2.77	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	2025	1.23	ng/ul	0.02
44) Dimethylphthalate-d6	14.09	166	17527	3.36	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	20506	3.46	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	540	0.66	ng/ul	0.00
58) Fluorene-d10	15.68	176	16650	3.52	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	1293	1.33	ng/ul	0.00
71) Anthracene-d10	17.54	188	27531	3.70	ng/ul	0.00
79) Pyrene-d10	19.82	212	32233	3.69	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.75	264	34496	3.73	ng/ul	0.00

Target Compounds

						Ovalue
45) Dimethylphthalate	14.14	163	5766	1.08	ng/ul#	97
48) Acenaphthylene	14.42	152	11228	1.78	ng/ul#	93
50) Acenaphthene	14.76	153	6126	1.44	ng/ul	98
59) Fluorene	15.74	166	26641	5.14	ng/ul#	91
70) Phenanthrene	17.49	178	199584	22.98	ng/ul	99
72) Anthracene	17.57	178	38884	4.38	ng/ul	96
77) Fluoranthene	19.49	202	176825	16.66	ng/ul	99
80) Pyrene	19.85	202	271938	24.13	ng/ul	99
83) Benzo(a)anthracene	21.70	228	86428	7.59	ng/ul	92
85) Chrysene	21.76	228	107547	10.04	ng/ul	99
88) Benzo(b)fluoranthene	23.94	252	103462	9.39	ng/ul	99
89) Benzo(k)fluoranthene	24.00	252	36421m	3.45	ng/ul	
91) Benzo(a)pyrene	24.81	252	90095	8.51	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.70	276	50256m	3.98	ng/ul	
93) Dibenzo(a,h)anthracene	28.71	278	16388m	1.56	ng/ul	
94) Benzo(g,h,i)perylene	29.85	276	46978	4.53	ng/ul	97

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

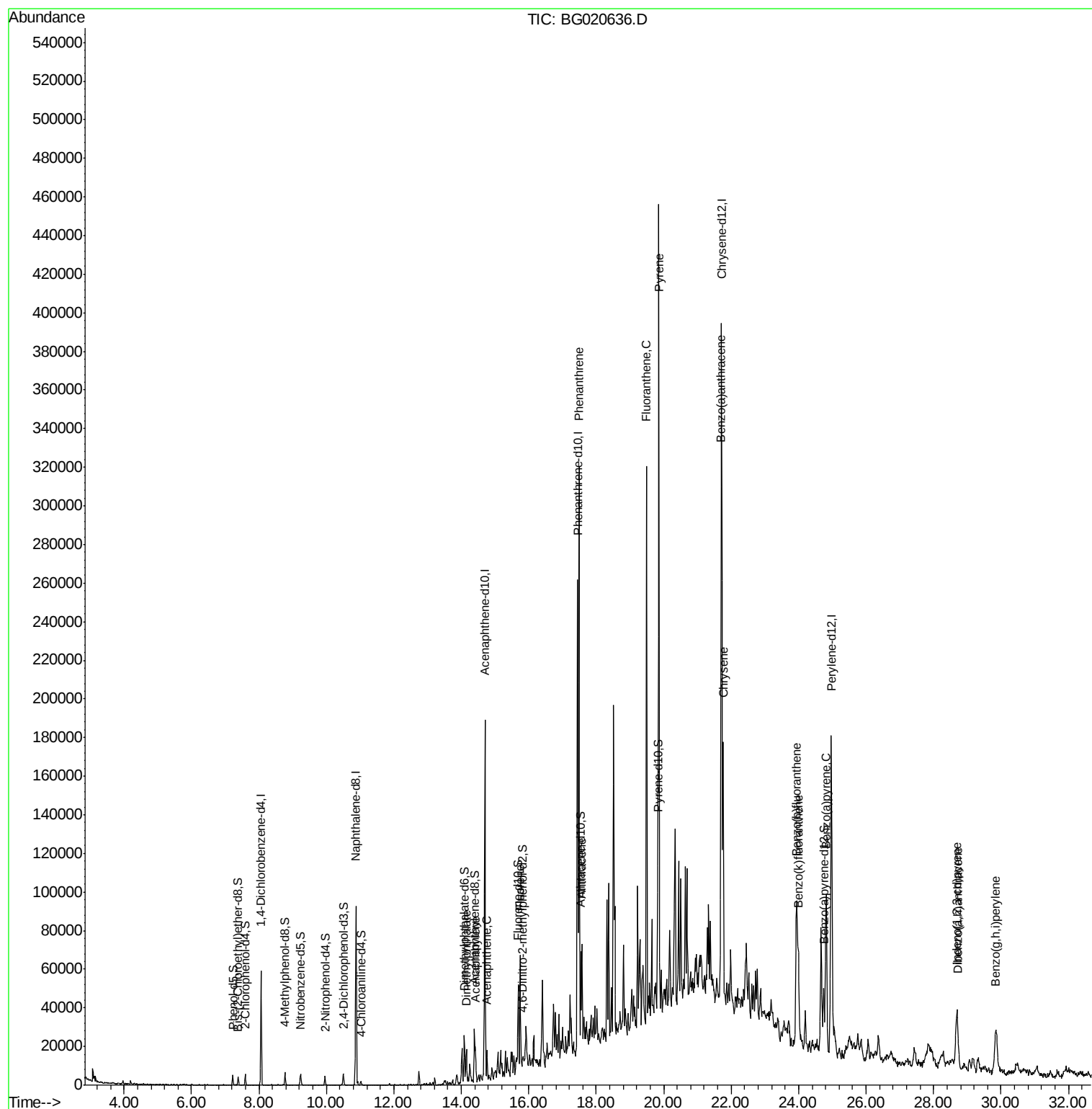
Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020636.D
Acq On : 31 Dec 2015 11:22
Operator : UM/SJ
Sample : G4802-16DL 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

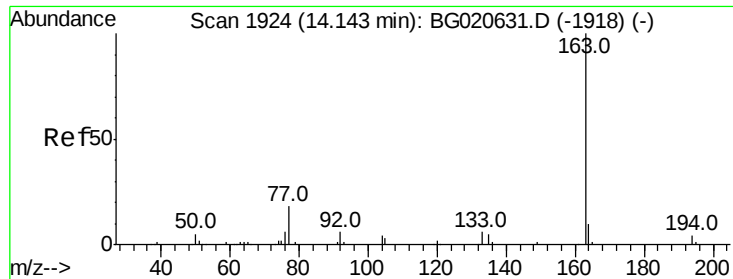
Instrument :
BNA_G
ClientSampleId :
G9D91DL

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Quant Time: Dec 31 15:40:19 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





#45

Dimethylphthalate

Concen: 1.08 ng/ul

RT: 14.14 min Scan# 1924

Delta R.T. 0.00 min

Lab File: BG020636.D

Acq: 31 Dec 2015 11:22

Instrument :

BNA_G

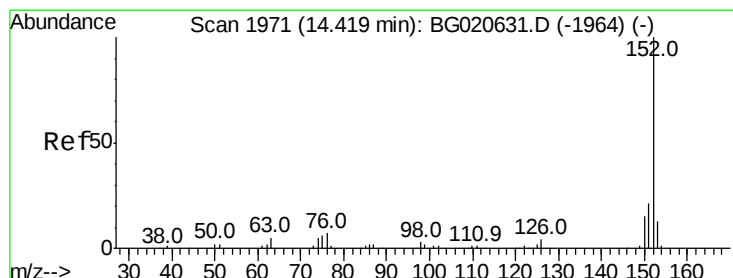
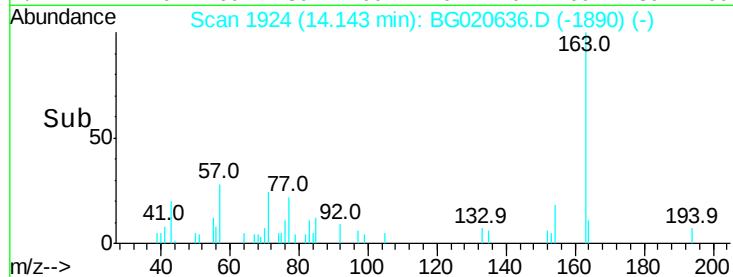
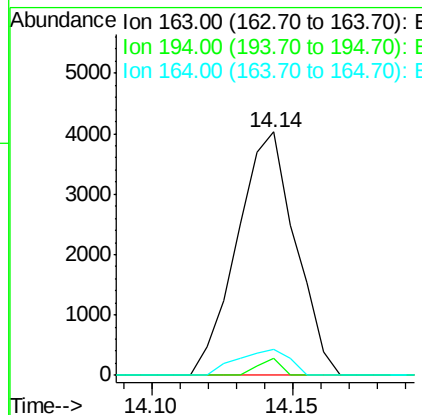
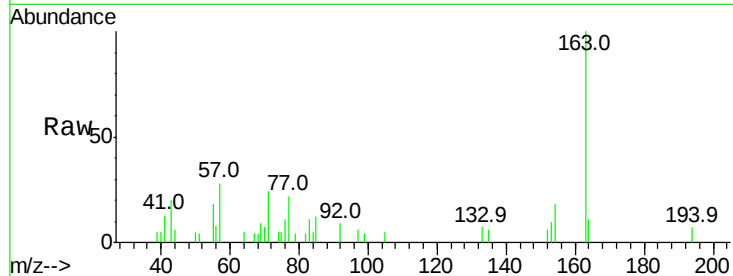
ClientSampleID :

G9D91DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	7.0	4.0	6.0#
164	10.8	8.4	12.6

Manual Integrations
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#48

Acenaphthylene

Concen: 1.78 ng/ul

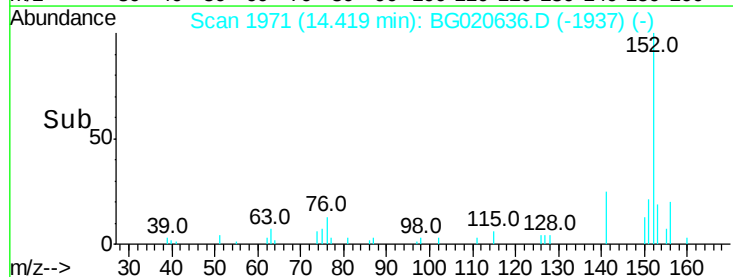
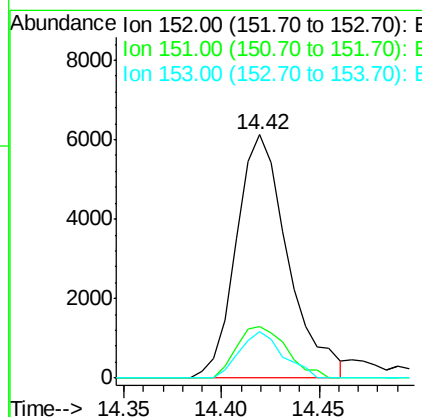
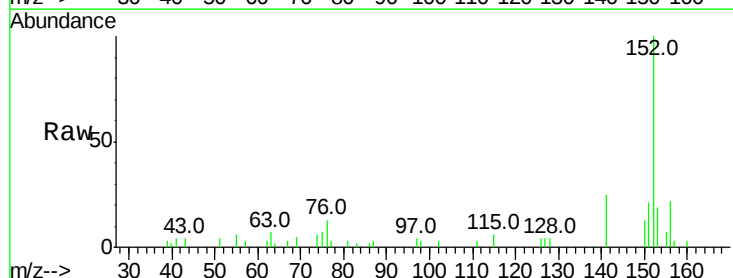
RT: 14.42 min Scan# 1971

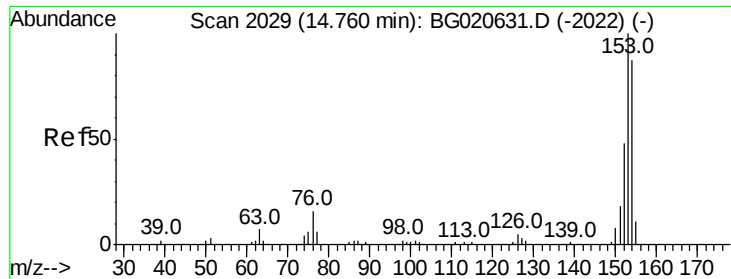
Delta R.T. 0.00 min

Lab File: BG020636.D

Acq: 31 Dec 2015 11:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.1	24.1
153	19.3	10.8	16.2#





#50

Acenaphthene

Concen: 1.44 ng/ul

RT: 14.76 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BG020636.D

Acq: 31 Dec 2015 11:22

Instrument :

BNA_G

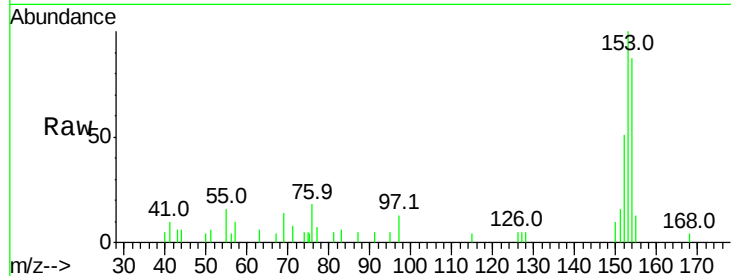
ClientSampled :

G9D91DL

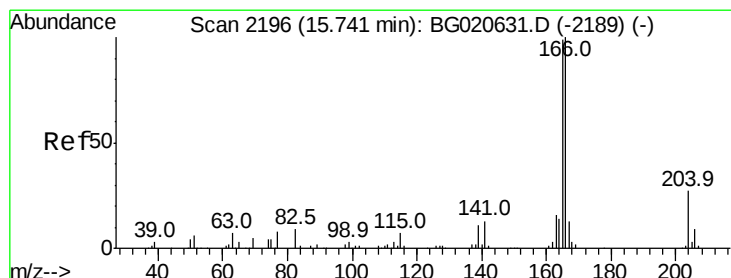
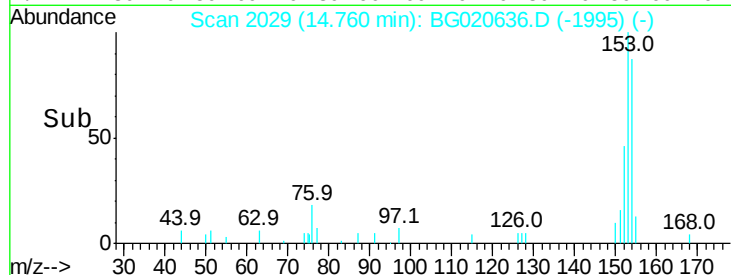
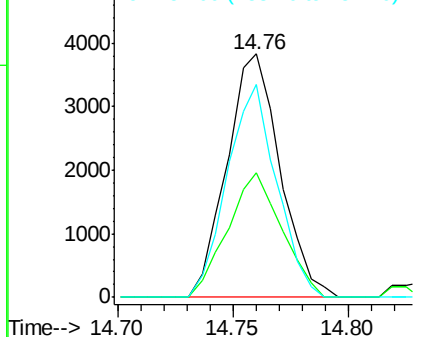
Tot Ion:	153	Resp:	6126
Ion Ratio	Lower	Upper	
153	100		
152	51.4	37.9	56.9
154	87.4	69.8	104.6

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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



#59

Fluorene

Concen: 5.14 ng/ul

RT: 15.74 min Scan# 2196

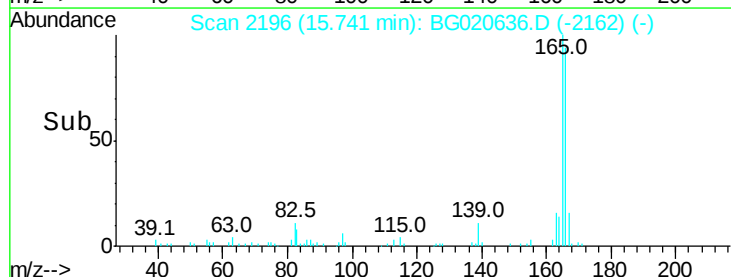
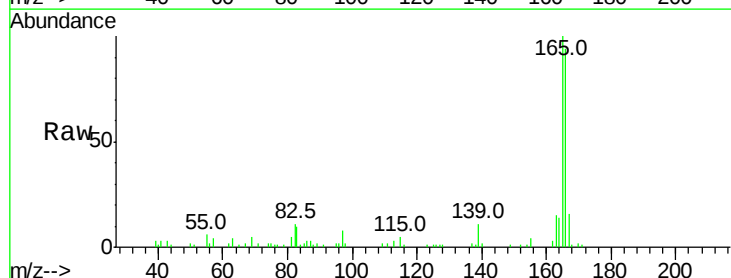
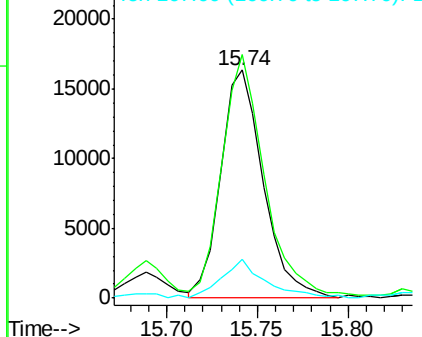
Delta R.T. 0.00 min

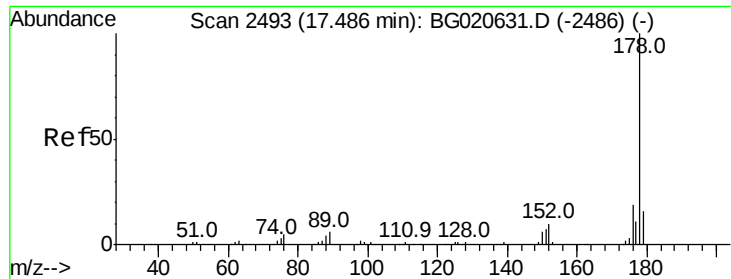
Lab File: BG020636.D

Acq: 31 Dec 2015 11:22

Tgt Ion:	166	Resp:	26641
Ion Ratio	Lower	Upper	
166	100		
165	106.9	78.4	117.6
167	16.8	11.1	16.7#

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 22.98 ng/ul

RT: 17.49 min Scan# 2493

Delta R.T. 0.00 min

Lab File: BG020636.D

Acq: 31 Dec 2015 11:22

Instrument :

BNA_G

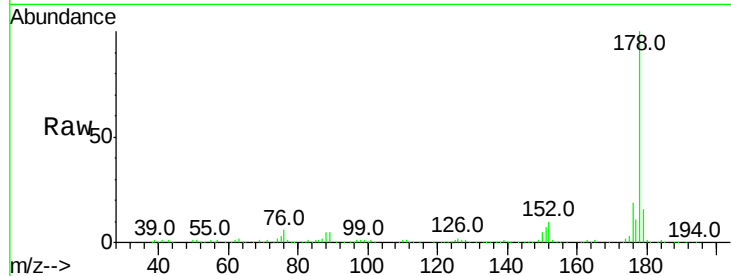
ClientSampleId :

G9D91DL

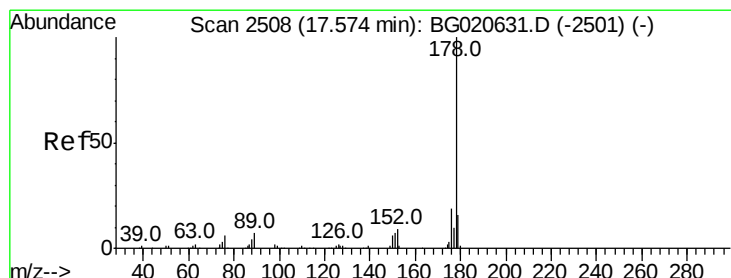
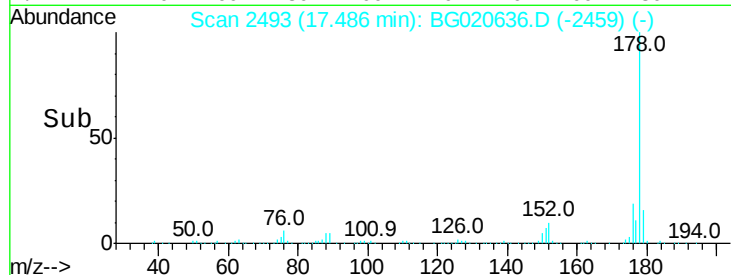
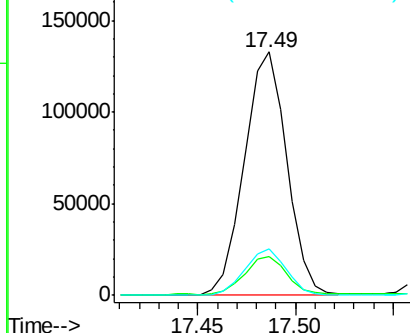
Tot Ion:	178	Resp:	199584
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.3	18.5
176	19.2	15.4	23.0

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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



#72

Anthracene

Concen: 4.38 ng/ul

RT: 17.57 min Scan# 2508

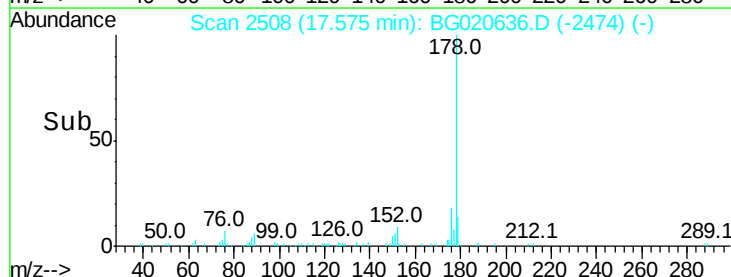
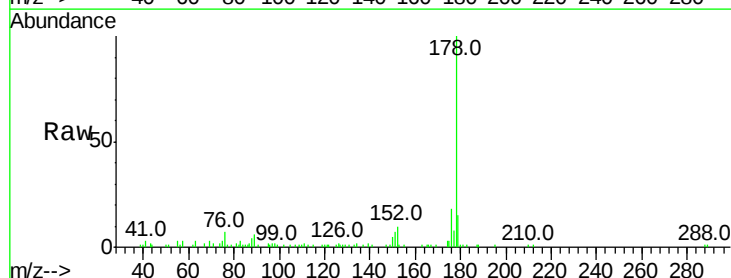
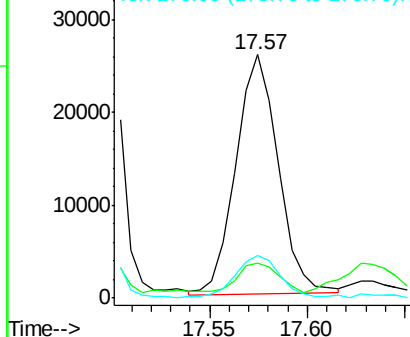
Delta R.T. 0.00 min

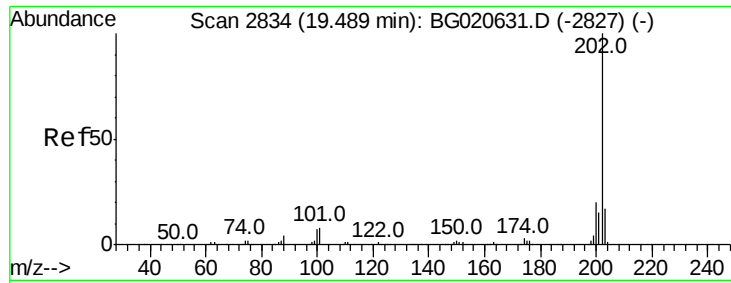
Lab File: BG020636.D

Acq: 31 Dec 2015 11:22

Tgt Ion:	178	Resp:	38884
Ion Ratio	Lower	Upper	
178	100		
179	14.5	13.4	20.2
176	17.5	15.4	23.0

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





#77

Fluoranthene

Concen: 16.66 ng/ul

RT: 19.49 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BG020636.D

Acq: 31 Dec 2015 11:22

Instrument :

BNA_G

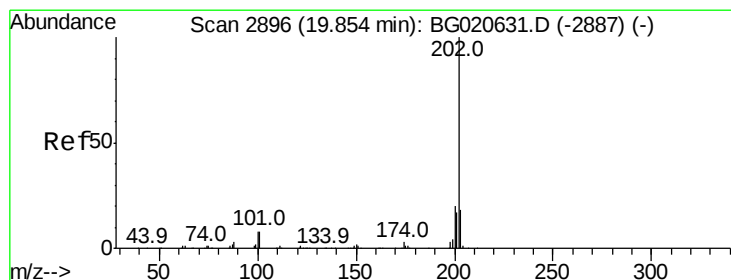
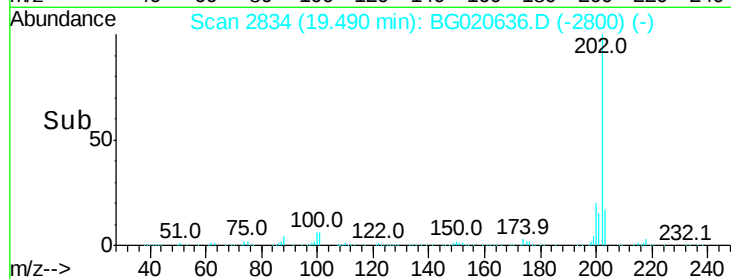
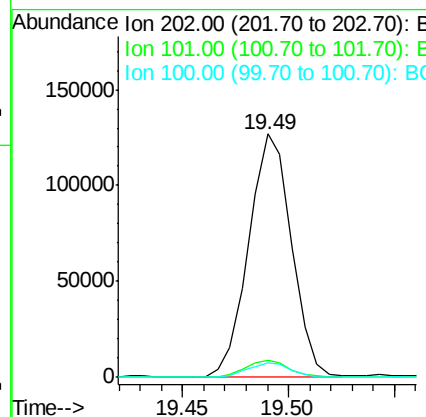
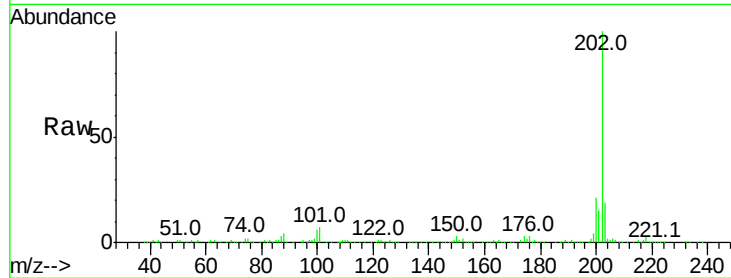
ClientSampleId :

G9D91DL

Tot Ion:	202	Resp:	176825
Ion Ratio	Lower	Upper	
202	100		
101	7.2	6.1	9.1
100	5.8	4.6	7.0

Manual Integrations
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#80

Pyrene

Concen: 24.13 ng/ul

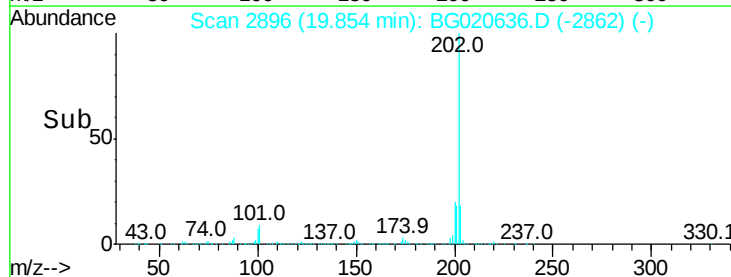
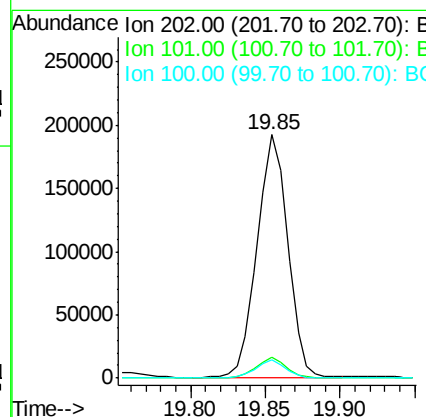
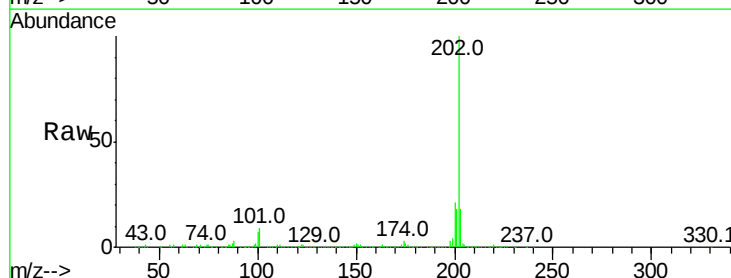
RT: 19.85 min Scan# 2896

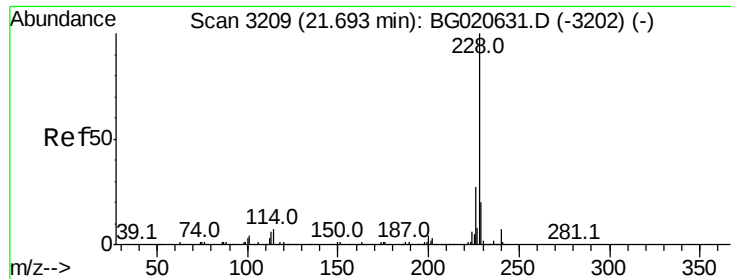
Delta R.T. 0.00 min

Lab File: BG020636.D

Acq: 31 Dec 2015 11:22

Tgt Ion:	202	Resp:	271938
Ion Ratio	Lower	Upper	
202	100		
101	8.7	6.9	10.3
100	7.3	5.6	8.4





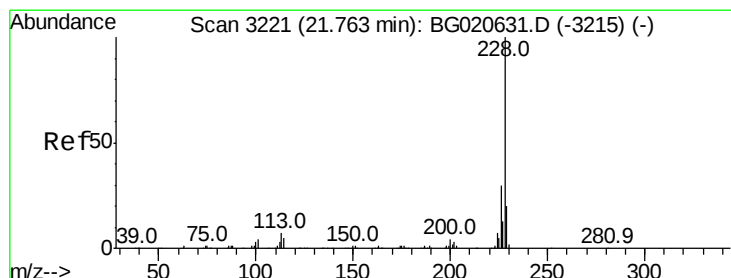
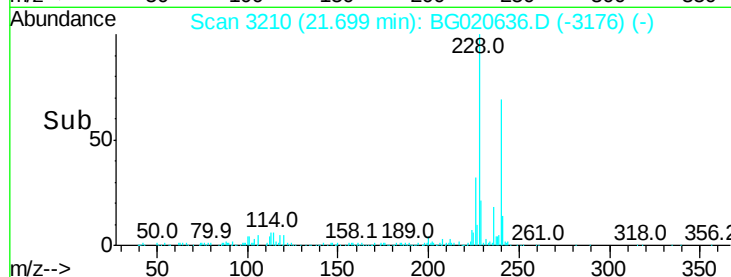
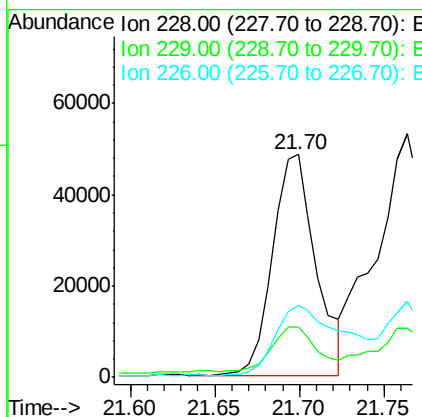
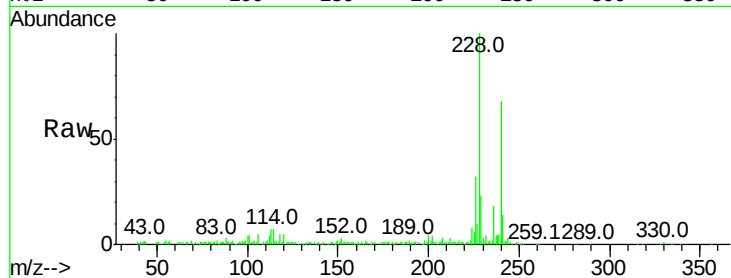
#83
Benzo(a)anthracene
Concen: 7.59 ng/ul
RT: 21.70 min Scan# 3210
Delta R.T. 0.00 min
Lab File: BG020636.D
Acq: 31 Dec 2015 11:22

Instrument :
BNA_G
ClientSampleId :
G9D91DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.8	16.0	24.0
226	32.3	21.8	32.8

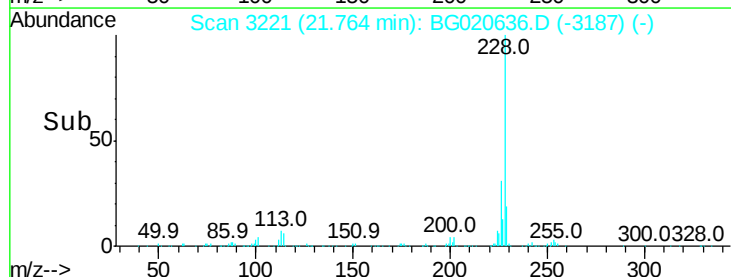
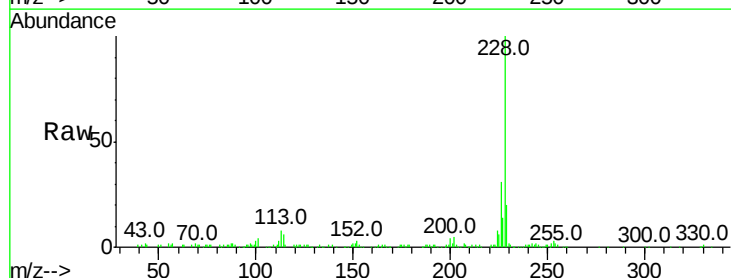
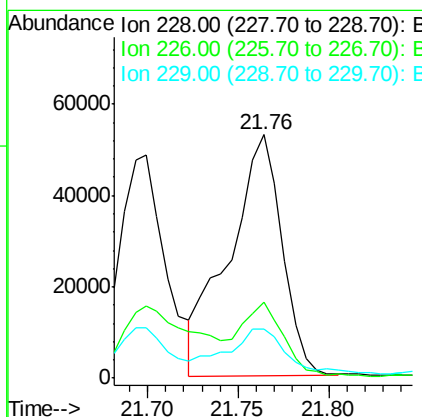
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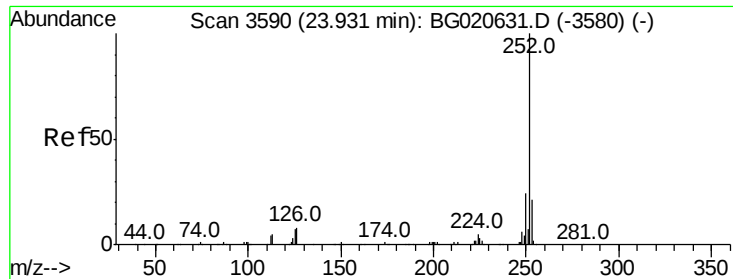
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#85
Chrysene
Concen: 10.04 ng/ul
RT: 21.76 min Scan# 3221
Delta R.T. 0.00 min
Lab File: BG020636.D
Acq: 31 Dec 2015 11:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.1	36.1
229	20.2	16.0	24.0





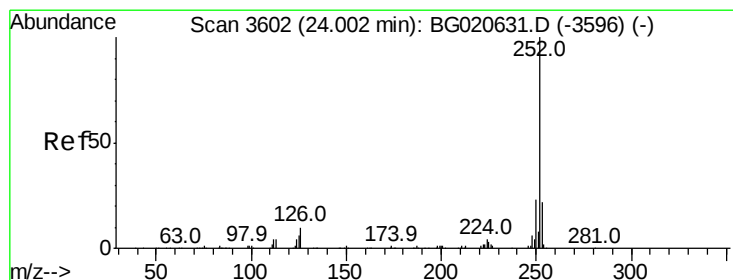
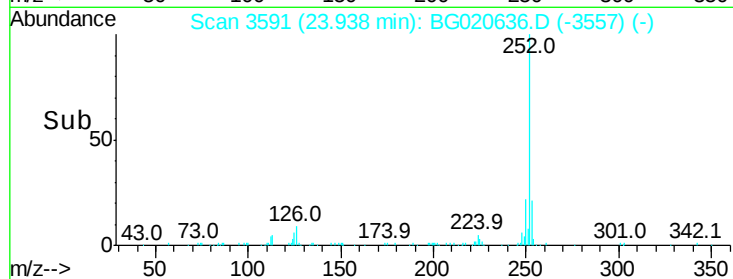
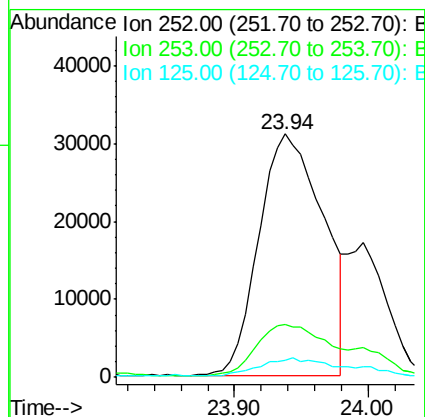
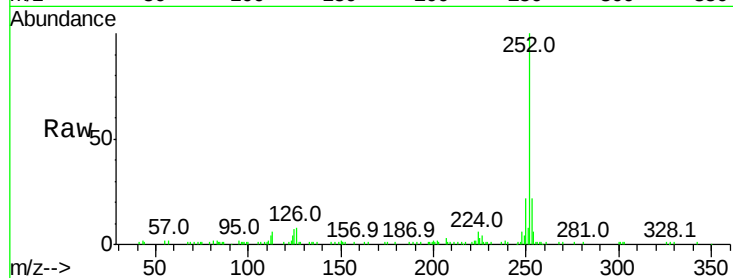
#88
Benzo(b)fluoranthene
Concen: 9.39 ng/ul
RT: 23.94 min Scan# 3591
Delta R.T. 0.00 min
Lab File: BG020636.D
Acq: 31 Dec 2015 11:22

Instrument :
BNA_G
ClientSampleId :
G9D91DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	6.9	4.9	7.3

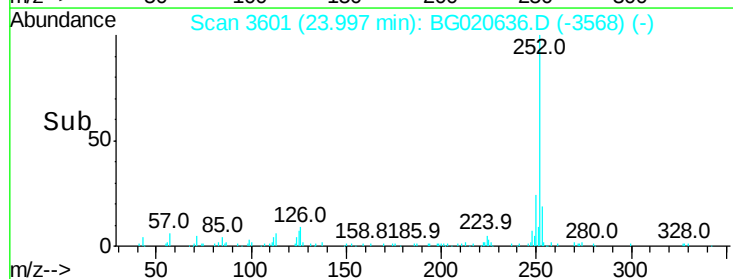
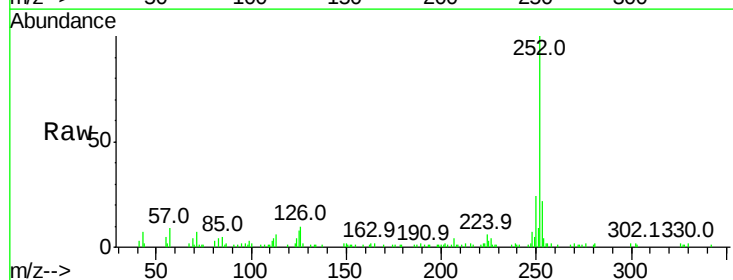
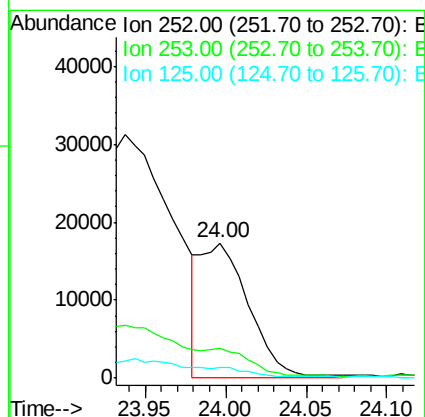
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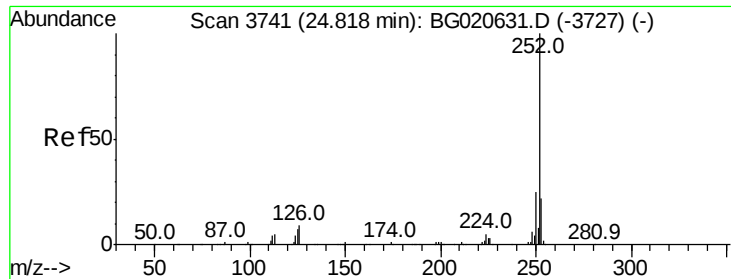
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#89
Benzo(k)fluoranthene
Concen: 3.45 ng/ul m
RT: 24.00 min Scan# 3601
Delta R.T. -0.00 min
Lab File: BG020636.D
Acq: 31 Dec 2015 11:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	7.7	5.4	8.0





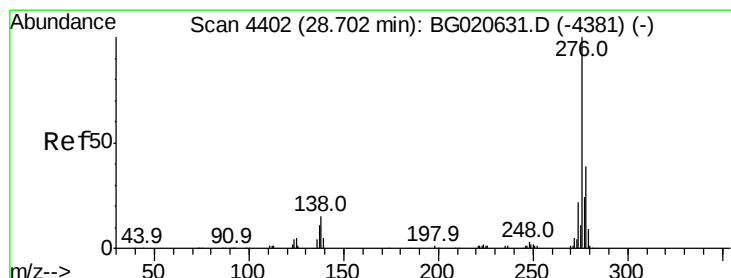
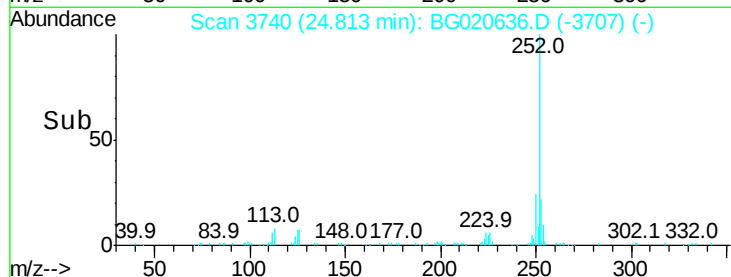
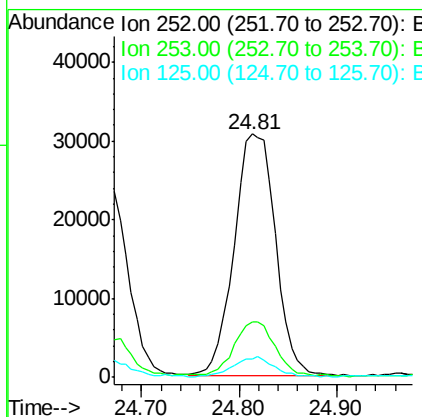
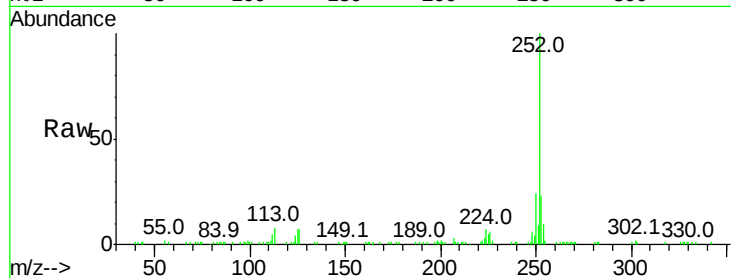
#91
Benzo(a)pyrene
Concen: 8.51 ng/ul
RT: 24.81 min Scan# 3740
Delta R.T. -0.00 min
Lab File: BG020636.D
Acq: 31 Dec 2015 11:22

Instrument :
BNA_G
ClientSampleId :
G9D91DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	7.4	5.8	8.6

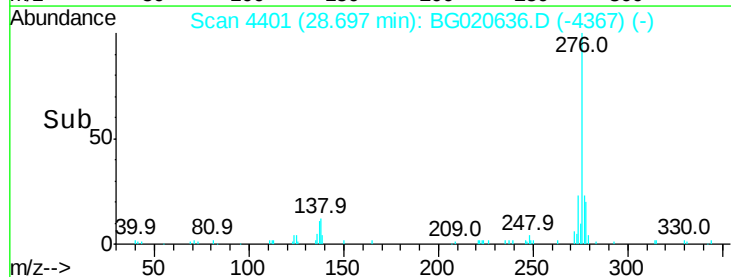
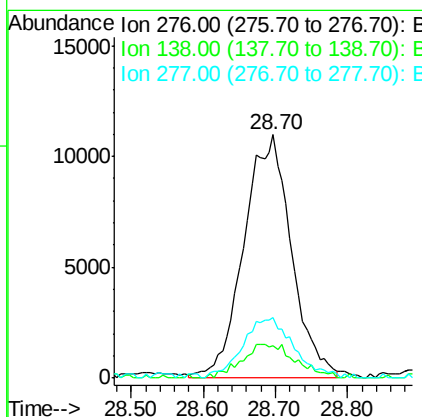
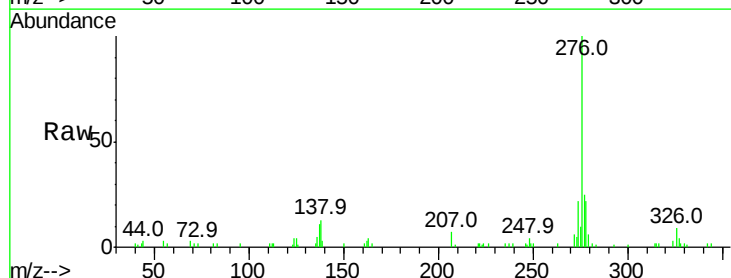
Manual Integrations
APPROVED

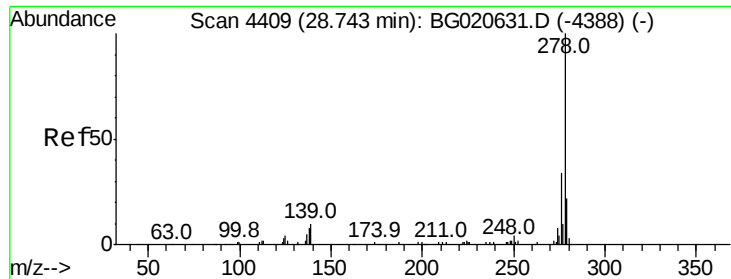
Sohil
12/31/2015 6:38:13 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 3.98 ng/ul m
RT: 28.70 min Scan# 4401
Delta R.T. 0.00 min
Lab File: BG020636.D
Acq: 31 Dec 2015 11:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.4	10.9	16.3
277	24.6	18.9	28.3





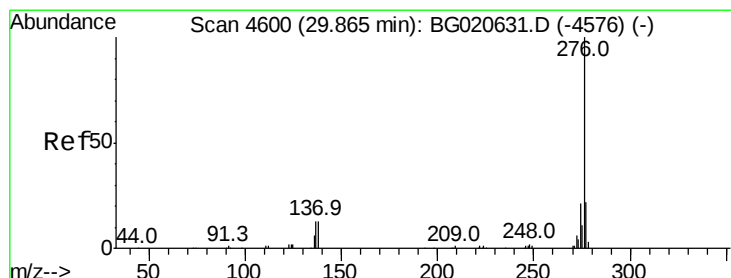
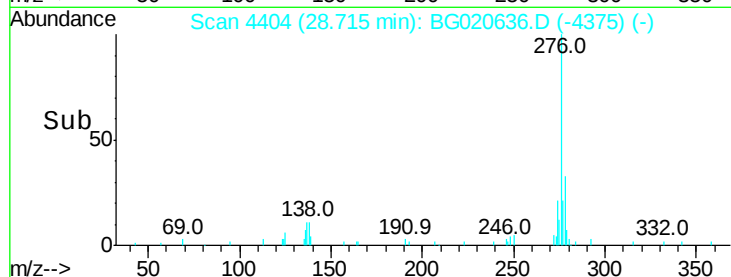
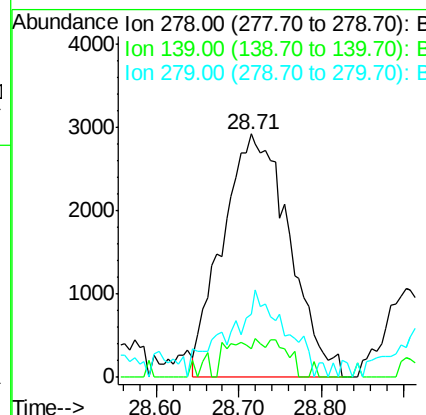
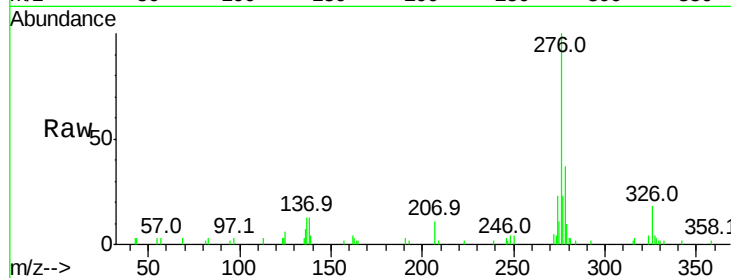
#93
Dibenzo(a,h)anthracene
Concen: 1.56 ng/ul m
RT: 28.71 min Scan# 4404
Delta R.T. -0.03 min
Lab File: BG020636.D
Acq: 31 Dec 2015 11:22

Instrument :
BNA_G
ClientSampleId :
G9D91DL

Tot Ion:278	Resp:	16388
Ion Ratio	Lower	Upper
278	100	
139	11.7	9.0 13.4
279	25.7	19.1 28.7

Manual Integrations
APPROVED

Sohil
12/31/2015 6:38:13 PM



#94
Benzo(g,h,i)perylene
Concen: 4.53 ng/ul
RT: 29.85 min Scan# 4598
Delta R.T. 0.00 min
Lab File: BG020636.D
Acq: 31 Dec 2015 11:22

Tgt Ion:276	Resp:	46978
Ion Ratio	Lower	Upper
276	100	
138	12.1	11.2 16.8
277	22.8	19.0 28.6

