

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
 Data File : BG020635.D
 Acq On : 31 Dec 2015 10:43
 Operator : UM/SJ
 Sample : G4802-15DL 5X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 G9D90DL

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:38:07 PM

Quant Time: Dec 31 15:22:31 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	19526	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	90595	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	66886	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	167319	20.00	ng/ul	0.00
78) Chrysene-d12	21.72	240	193306	20.00	ng/ul	0.00
86) Perylene-d12	24.98	264	188672	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.43	96	67	0.21	ng/uL	0.00
5) Phenol-d5	7.22	99	4941	3.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.38	67	3308	3.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	4354	3.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	3936	2.78	ng/ul	0.00
19) Nitrobenzene-d5	9.24	128	2540	3.63	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	2770	3.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	4989	3.23	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	2709	1.48	ng/ul	0.01
44) Dimethylphthalate-d6	14.09	166	18840	3.44	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	24363	3.92	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	456	0.53	ng/ul	0.00
58) Fluorene-d10	15.69	176	19814	3.99	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	1694	1.67	ng/ul	0.00
71) Anthracene-d10	17.54	188	30689	3.94	ng/ul	0.00
79) Pyrene-d10	19.82	212	35975	4.15	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.75	264	38204	4.06	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.92	128	7400	1.54	ng/ul	97
34) 2-Methylnaphthalene	12.53	142	4080	1.14	ng/ul	93
45) Dimethylphthalate	14.14	163	6545	1.17	ng/ul#	99
48) Acenaphthylene	14.42	152	13248	2.00	ng/ul	99
50) Acenaphthene	14.76	153	5754	1.28	ng/ul	96
59) Fluorene	15.74	166	7161	1.31	ng/ul	92
70) Phenanthrene	17.49	178	137741	15.14	ng/ul	99
72) Anthracene	17.57	178	26836	2.88	ng/ul	99
77) Fluoranthene	19.49	202	211580	19.04	ng/ul	100
80) Pyrene	19.85	202	353746	31.59	ng/ul	99
83) Benzo(a)anthracene	21.70	228	177456	15.69	ng/ul	96
85) Chrysene	21.76	228	219542	20.62	ng/ul	98
88) Benzo(b)fluoranthene	23.94	252	230461	20.57	ng/ul#	98
89) Benzo(k)fluoranthene	24.00	252	58042m	5.41	ng/ul	
91) Benzo(a)pyrene	24.82	252	168297	15.63	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.68	276	91169	7.10	ng/ul	96
93) Dibenzo(a,h)anthracene	28.72	278	30506m	2.85	ng/ul	
94) Benzo(g,h,i)perylene	29.86	276	93187	8.83	ng/ul	99

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

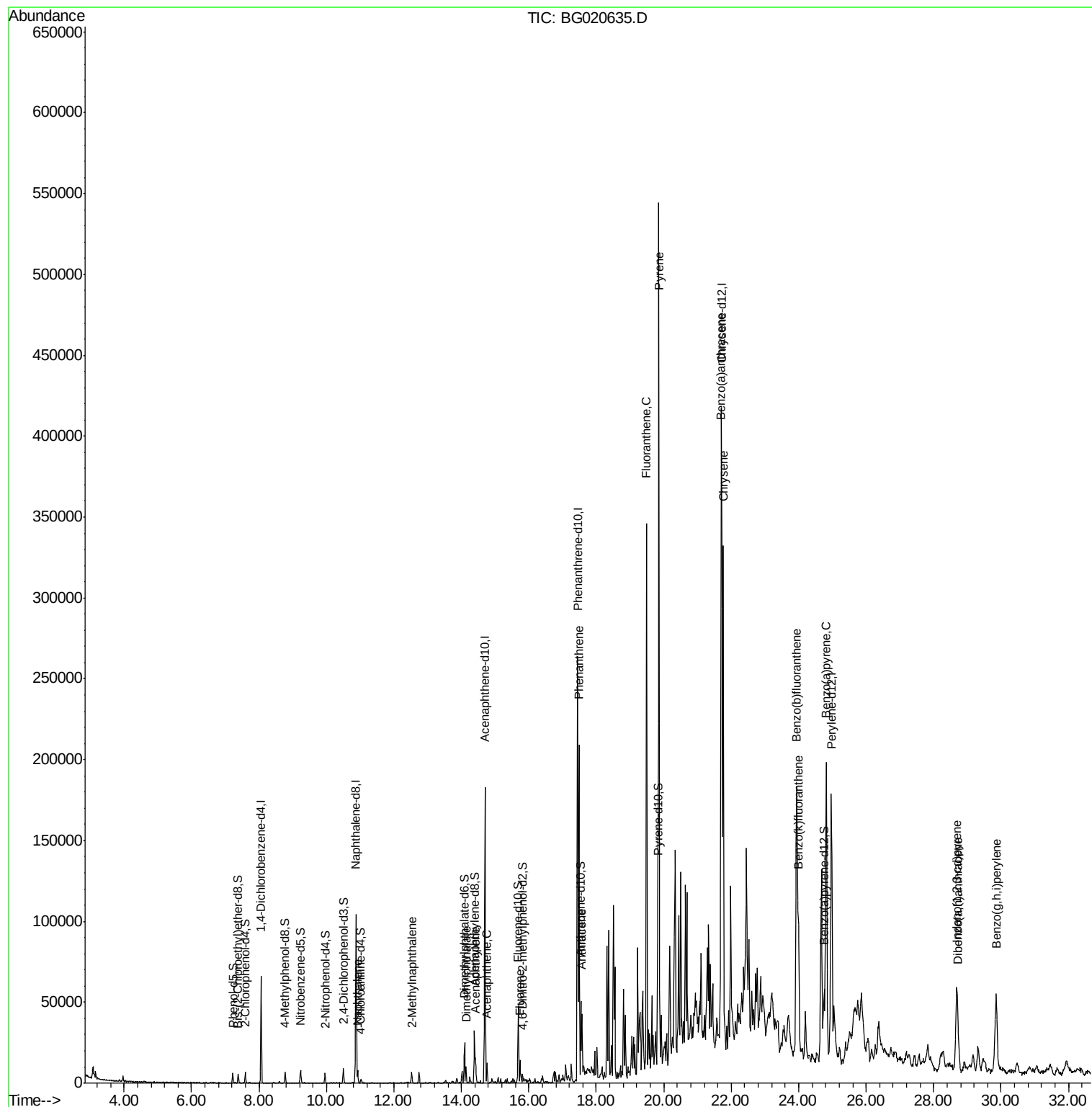
Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020635.D
Acq On : 31 Dec 2015 10:43
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Misc :
ALS Vial : 42 Sample Multiplier: 1

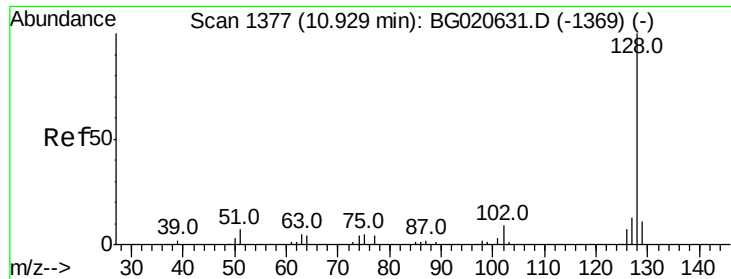
Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION
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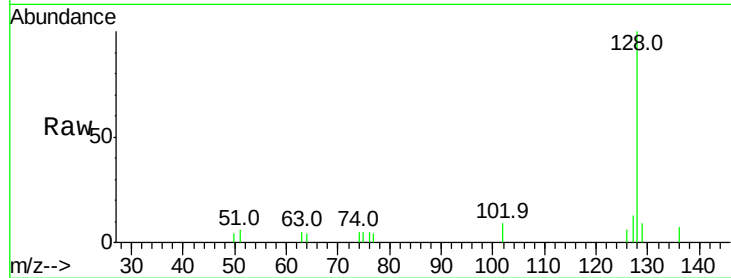
#28
Naphthalene
Concen: 1.54 ng/ul
RT: 10.92 min Scan# 1376
Delta R.T. -0.01 min
Lab File: BG020635.D
Acq: 31 Dec 2015 10:43

Instrument :
BNA_G
ClientSampleId :
G9D90DL

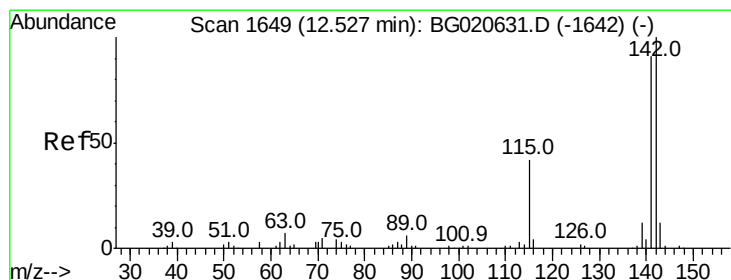
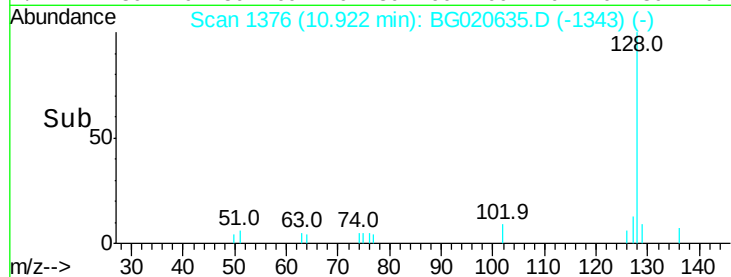
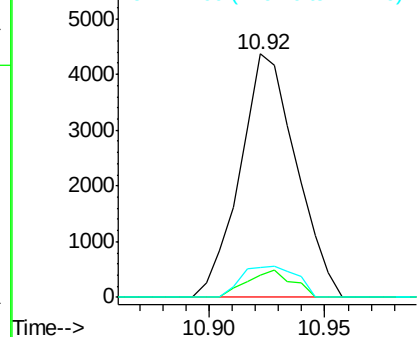
Tot Ion:	128	Resp:	7400
Ion	Ratio	Lower	Upper
128	100		
129	8.9	8.3	12.5
127	12.5	10.8	16.2

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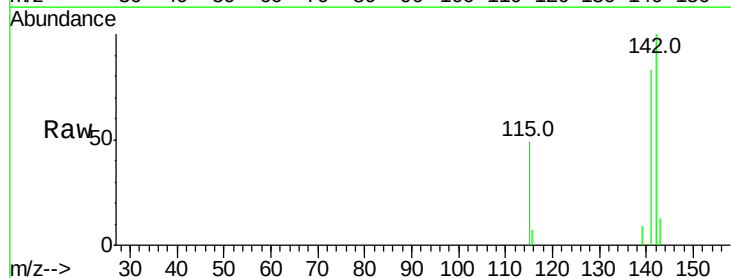


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

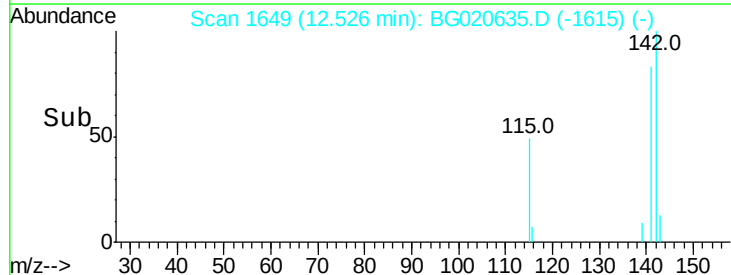
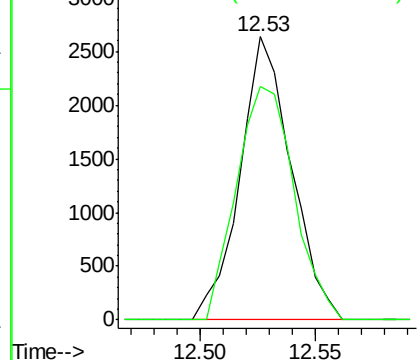


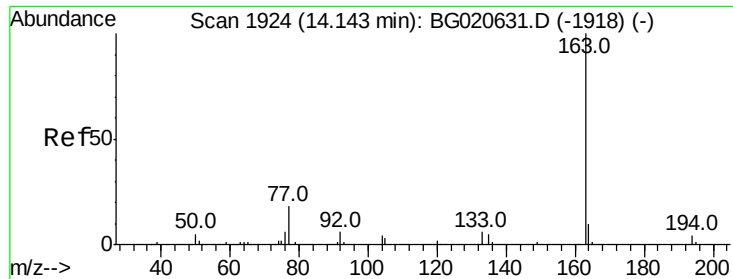
#34
2-Methylnaphthalene
Concen: 1.14 ng/ul
RT: 12.53 min Scan# 1649
Delta R.T. -0.00 min
Lab File: BG020635.D
Acq: 31 Dec 2015 10:43

Tgt Ion:	142	Resp:	4080
Ion	Ratio	Lower	Upper
142	100		
141	82.7	71.4	107.2



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





#45

Dimethylphthalate

Concen: 1.17 ng/ul

RT: 14.14 min Scan# 1924

Delta R.T. -0.00 min

Lab File: BG020635.D

Acq: 31 Dec 2015 10:43

Instrument :

BNA_G

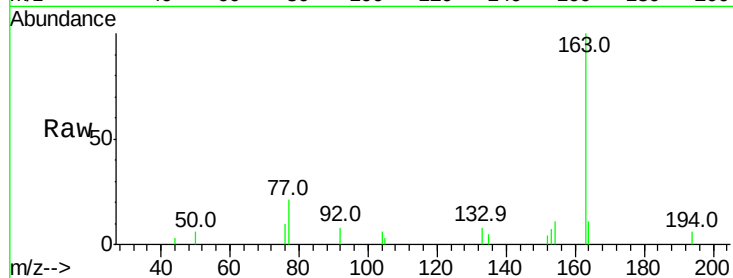
ClientSampleId :

G9D90DL

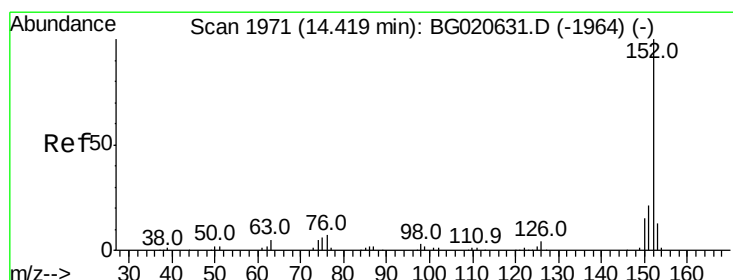
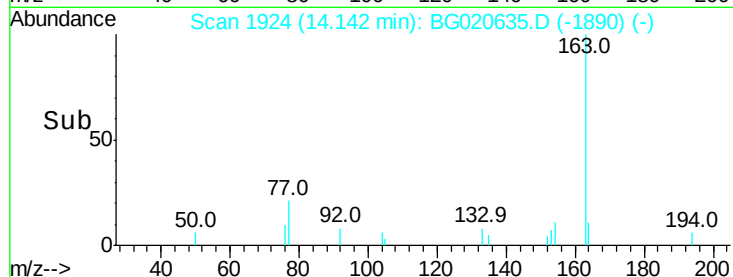
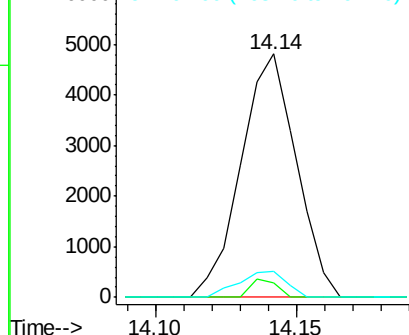
Tot Ion:163	Resp:	6545
Ion Ratio	Lower	Upper
163 100		
194 6.1	4.0	6.0#
164 10.7	8.4	12.6

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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: 2.00 ng/ul

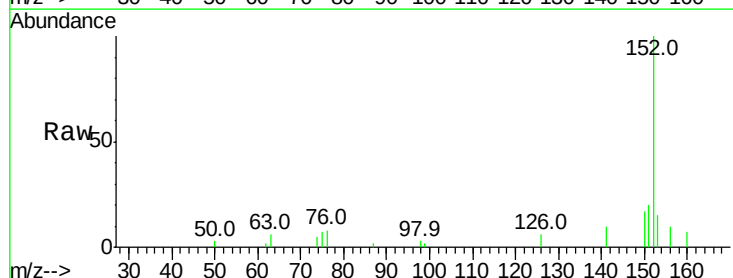
RT: 14.42 min Scan# 1971

Delta R.T. -0.00 min

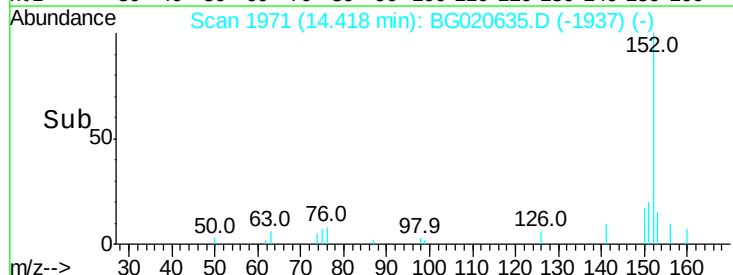
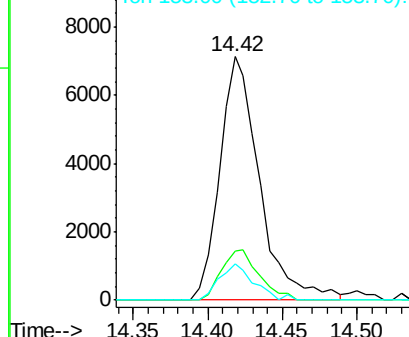
Lab File: BG020635.D

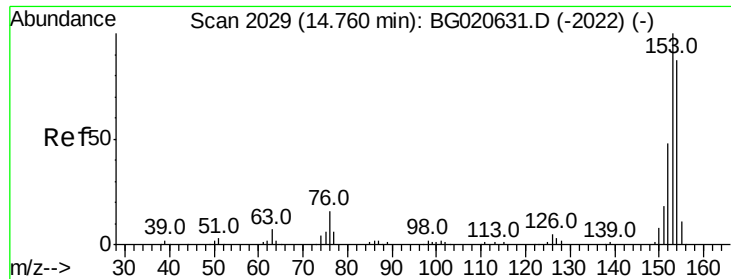
Acq: 31 Dec 2015 10:43

Tgt Ion:152	Resp:	13248
Ion Ratio	Lower	Upper
152 100		
151 20.2	16.1	24.1
153 14.7	10.8	16.2



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: 1.28 ng/ul

RT: 14.76 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BG020635.D

Acq: 31 Dec 2015 10:43

Instrument :

BNA_G

ClientSampleId :

G9D90DL

Tot Ion:153 Resp: 5754

Ion Ratio Lower Upper

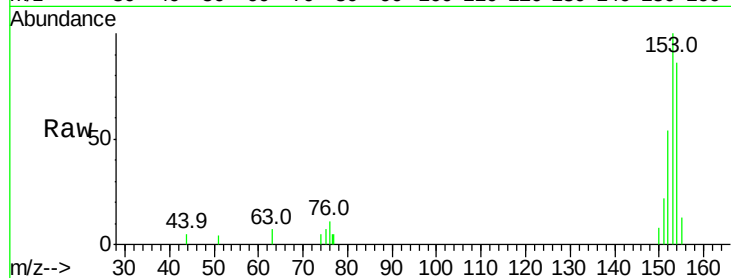
153 100

152 53.7 37.9 56.9

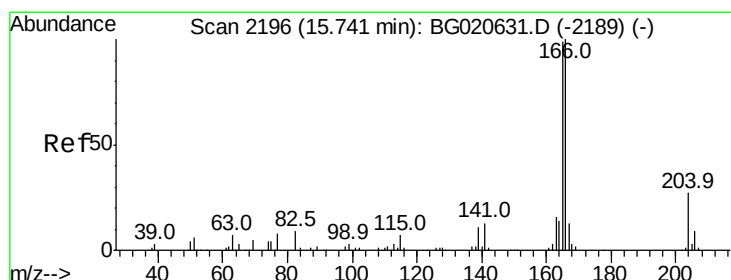
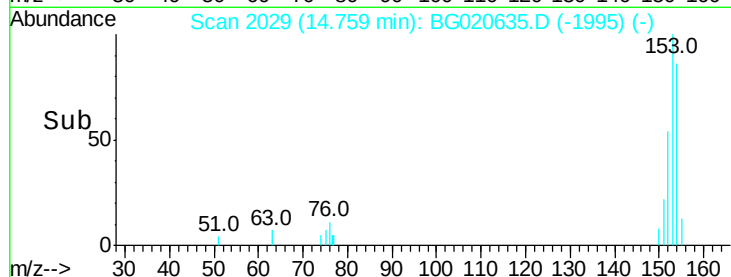
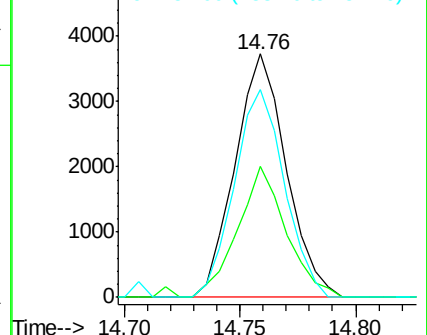
154 85.5 69.8 104.6

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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: 1.31 ng/ul

RT: 15.74 min Scan# 2196

Delta R.T. -0.00 min

Lab File: BG020635.D

Acq: 31 Dec 2015 10:43

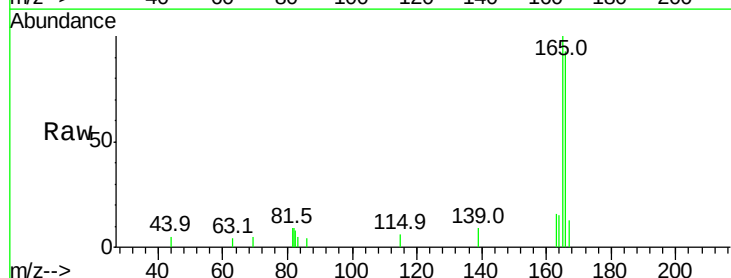
Tgt Ion:166 Resp: 7161

Ion Ratio Lower Upper

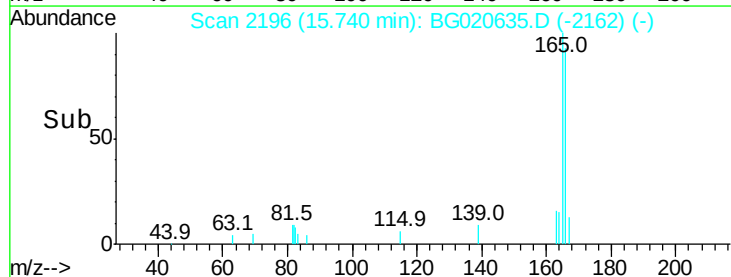
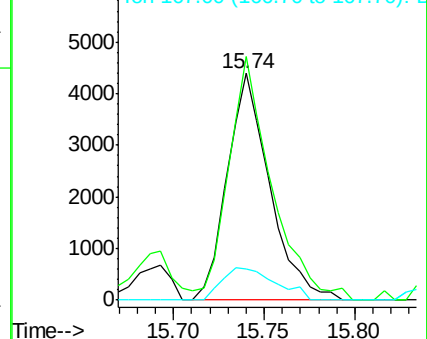
166 100

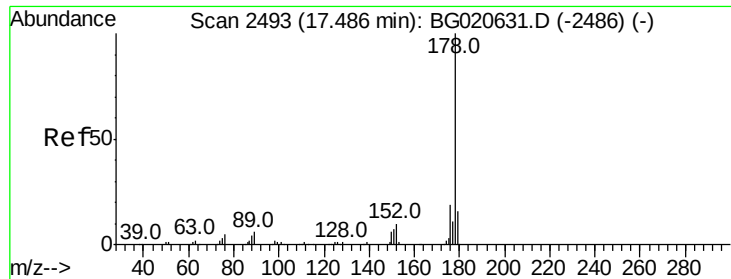
165 107.4 78.4 117.6

167 13.6 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: 15.14 ng/ul

RT: 17.49 min Scan# 2493

Delta R.T. -0.00 min

Lab File: BG020635.D

Acq: 31 Dec 2015 10:43

Instrument :

BNA_G

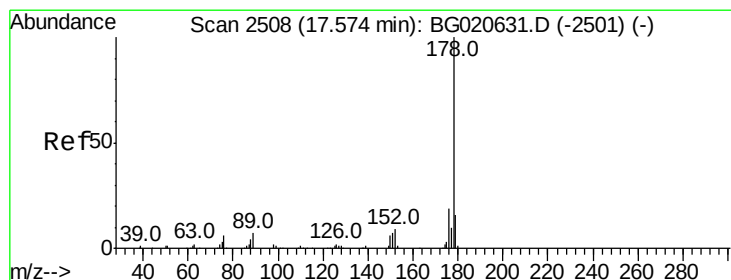
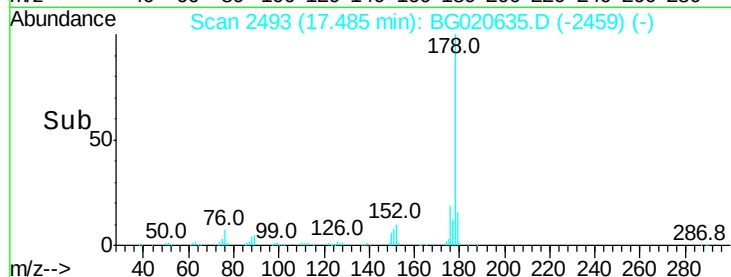
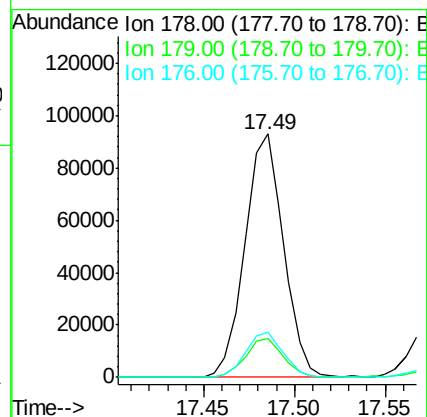
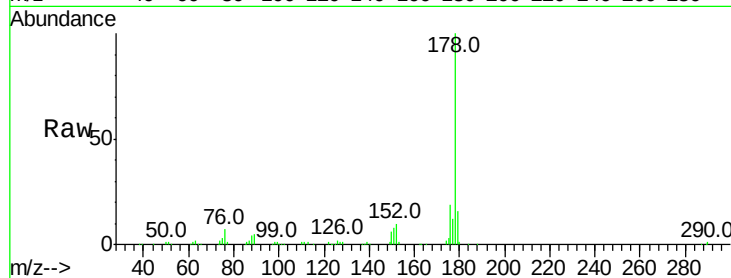
ClientSampleId :

G9D90DL

Tot Ion:	178	Resp:	137741
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.3	18.5
176	18.7	15.4	23.0

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#72

Anthracene

Concen: 2.88 ng/ul

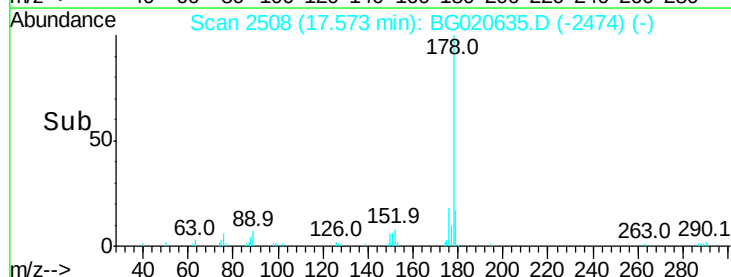
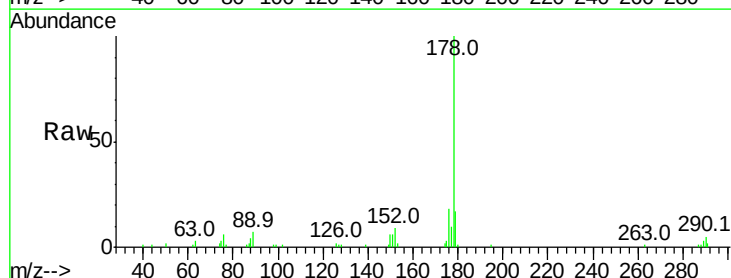
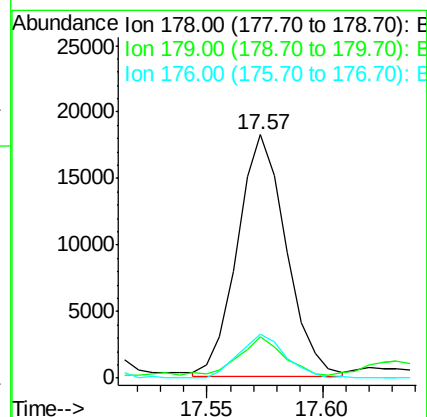
RT: 17.57 min Scan# 2508

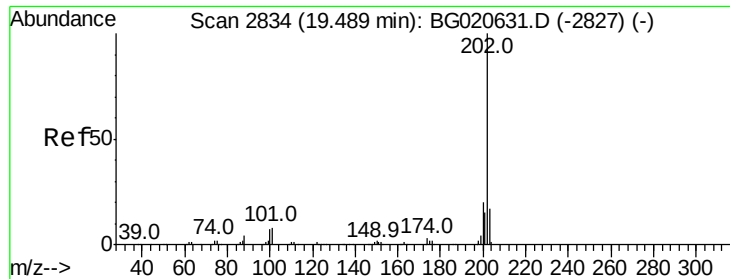
Delta R.T. -0.00 min

Lab File: BG020635.D

Acq: 31 Dec 2015 10:43

Tgt Ion:	178	Resp:	26836
Ion Ratio	Lower	Upper	
178	100		
179	17.0	13.4	20.2
176	18.2	15.4	23.0





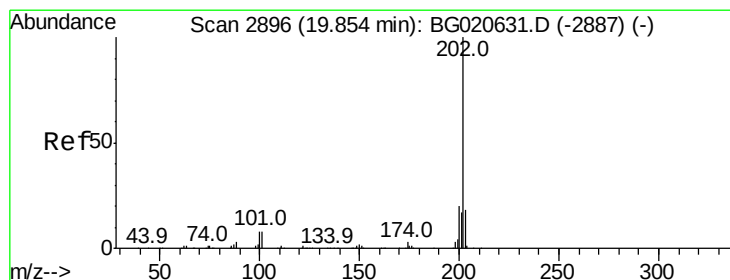
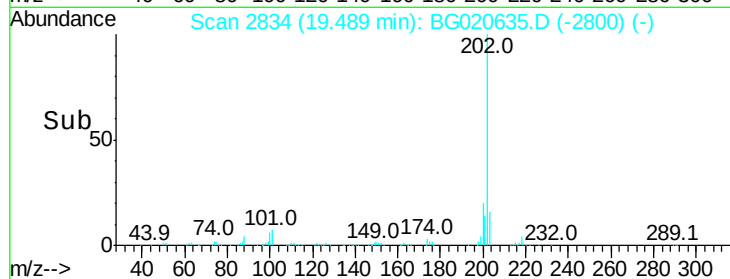
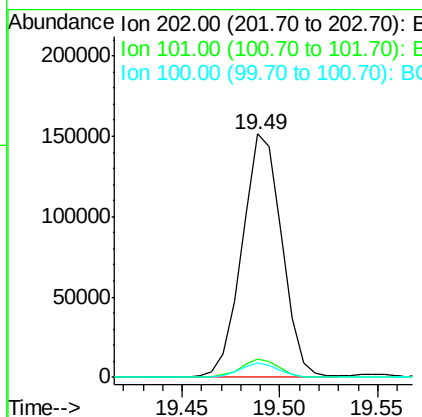
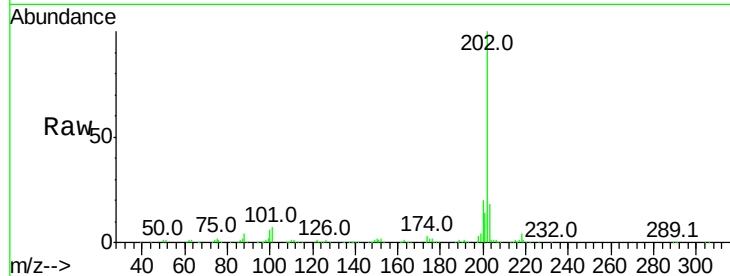
#77
 Fluoranthene
 Concen: 19.04 ng/ul
 RT: 19.49 min Scan# 2834
 Delta R.T. -0.00 min
 Lab File: BG020635.D
 Acq: 31 Dec 2015 10:43

Instrument :
 BNA_G
 ClientSampleId :
 G9D90DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	211580		
101	7.4	6.1	9.1	
100	5.8	4.6	7.0	

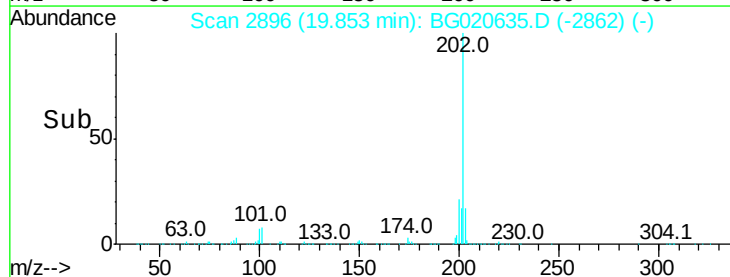
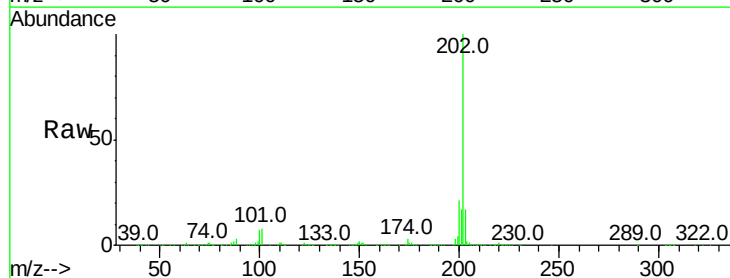
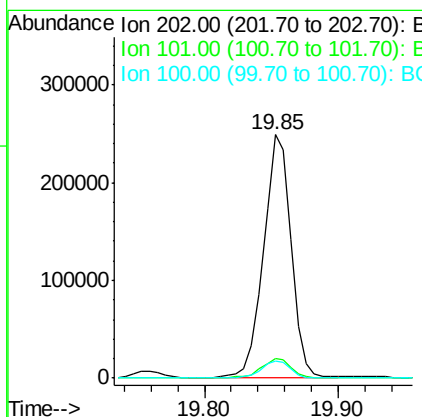
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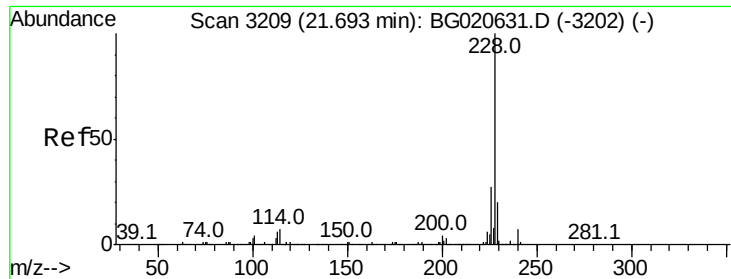
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#80
 Pyrene
 Concen: 31.59 ng/ul
 RT: 19.85 min Scan# 2896
 Delta R.T. -0.00 min
 Lab File: BG020635.D
 Acq: 31 Dec 2015 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	353746		
101	7.8	6.9	10.3	
100	7.2	5.6	8.4	





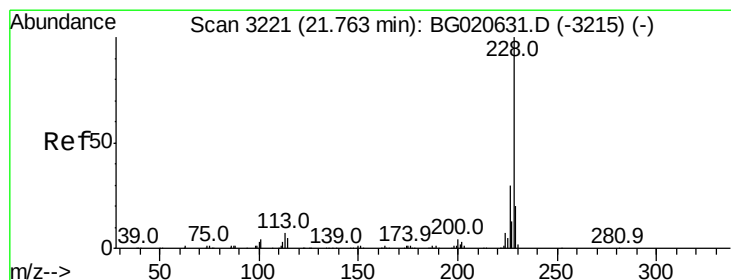
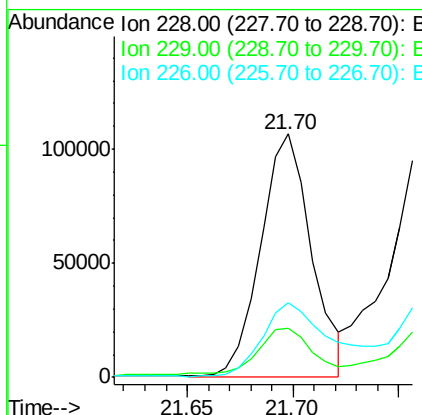
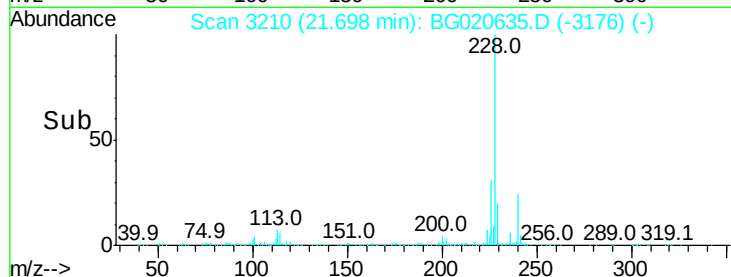
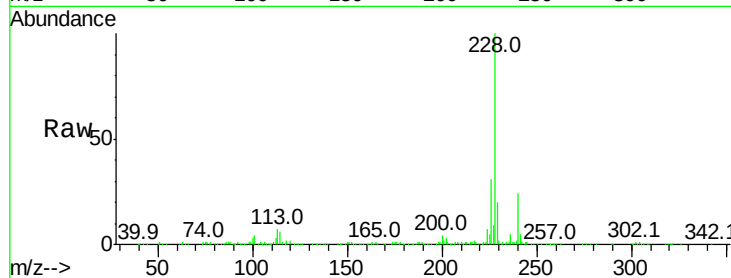
#83
Benzo(a)anthracene
Concen: 15.69 ng/ul
RT: 21.70 min Scan# 3210
Delta R.T. -0.00 min
Lab File: BG020635.D
Acq: 31 Dec 2015 10:43

Instrument :
BNA_G
ClientSampleId :
G9D90DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.3	16.0	24.0
226	30.9	21.8	32.8

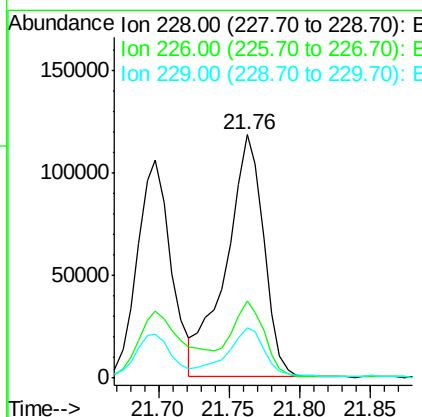
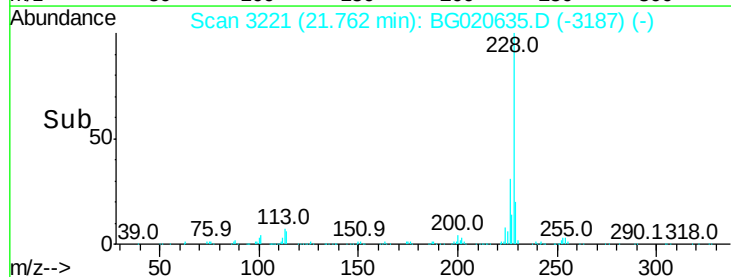
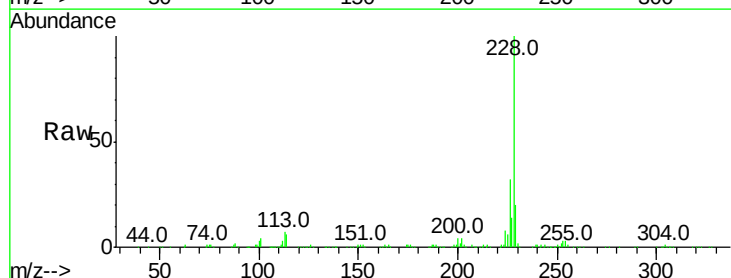
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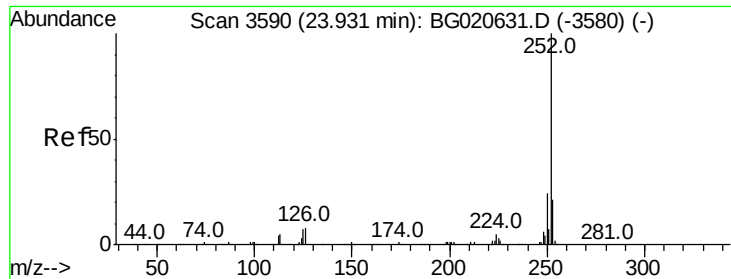
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#85
Chrysene
Concen: 20.62 ng/ul
RT: 21.76 min Scan# 3221
Delta R.T. -0.00 min
Lab File: BG020635.D
Acq: 31 Dec 2015 10:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.1	36.1
229	20.4	16.0	24.0





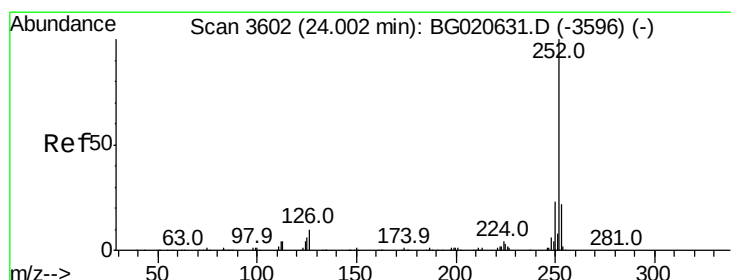
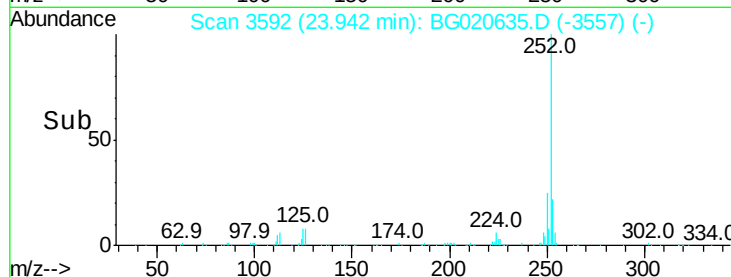
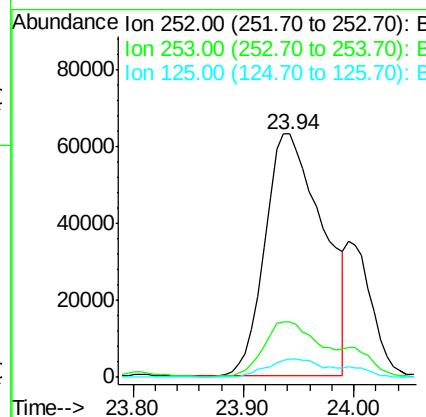
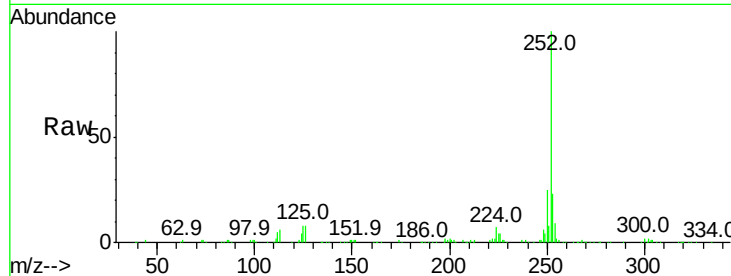
#88
Benzo(b)fluoranthene
Concen: 20.57 ng/ul
RT: 23.94 min Scan# 3592
Delta R.T. 0.01 min
Lab File: BG020635.D
Acq: 31 Dec 2015 10:43

Instrument :
BNA_G
ClientSampleId :
G9D90DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.6	17.4	26.0
125	7.7	4.9	7.3#

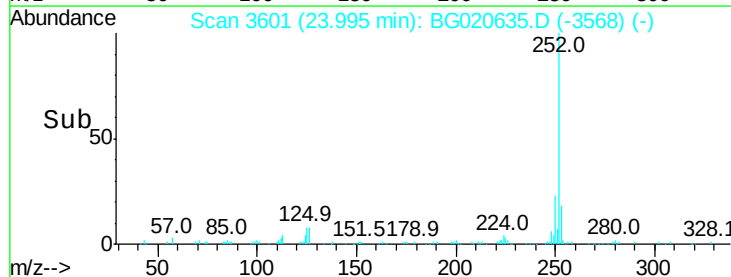
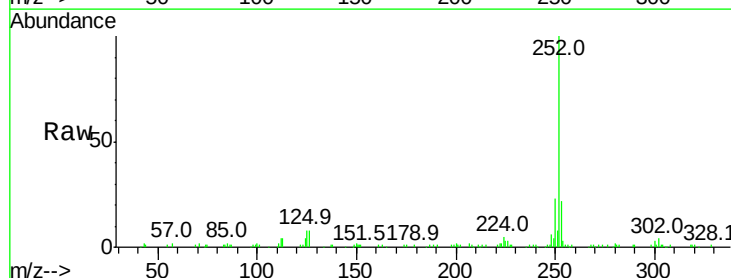
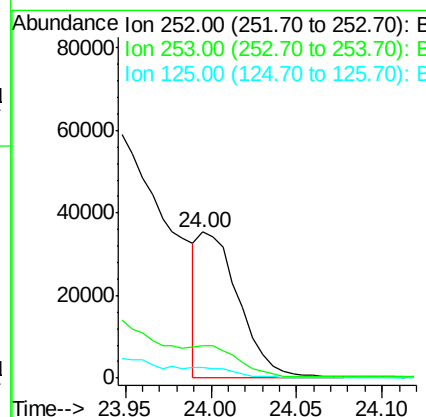
Manual Integrations
APPROVED

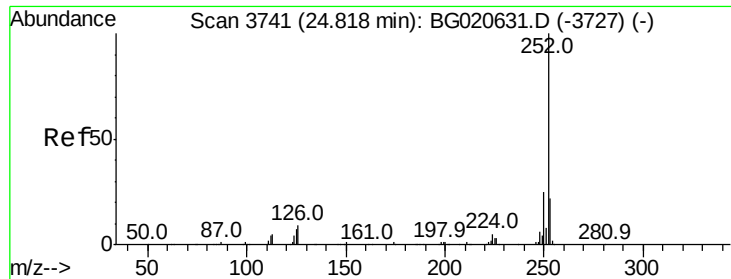
Sohil
12/31/2015 6:38:07 PM



#89
Benzo(k)fluoranthene
Concen: 5.41 ng/ul m
RT: 24.00 min Scan# 3601
Delta R.T. -0.01 min
Lab File: BG020635.D
Acq: 31 Dec 2015 10:43

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.2	17.1	25.7
125	7.5	5.4	8.0





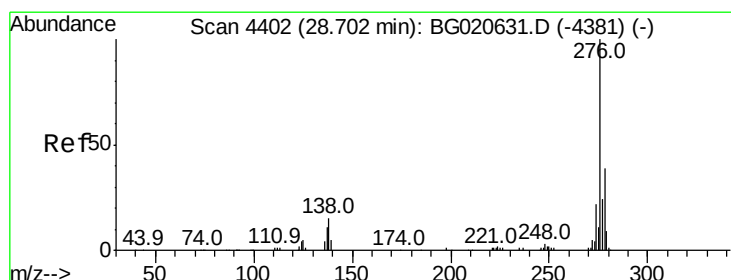
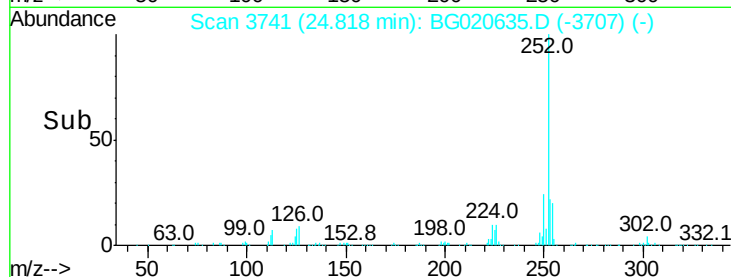
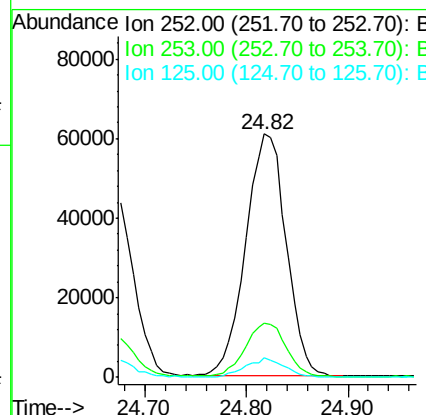
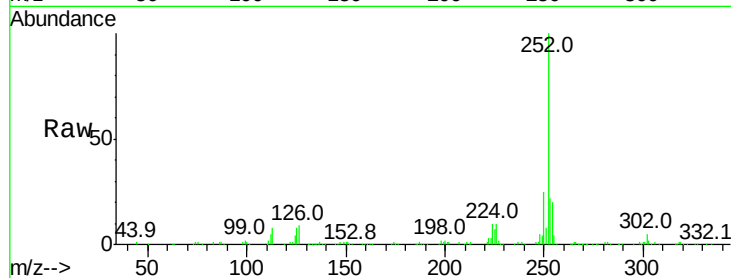
#91
Benzo(a)pyrene
Concen: 15.63 ng/ul
RT: 24.82 min Scan# 3741
Delta R.T. -0.00 min
Lab File: BG020635.D
Acq: 31 Dec 2015 10:43

Instrument :
BNA_G
ClientSampleId :
G9D90DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	8.1	5.8	8.6

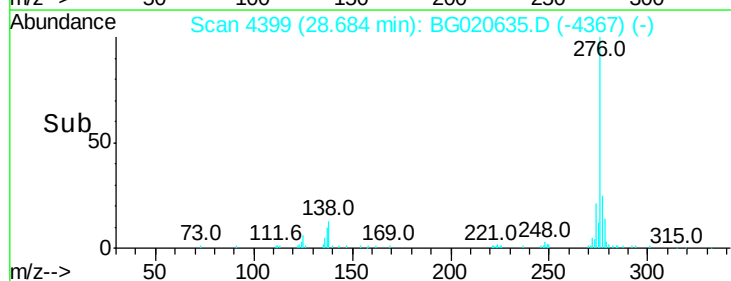
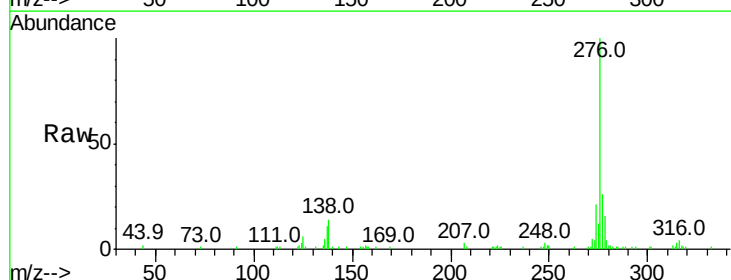
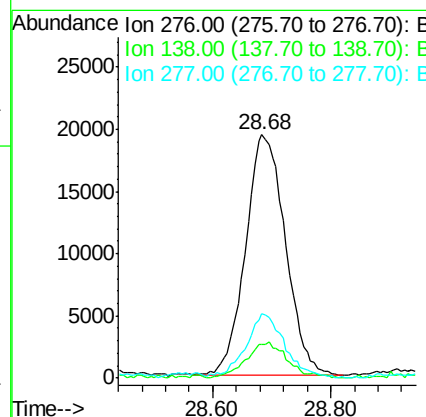
Manual Integrations
APPROVED

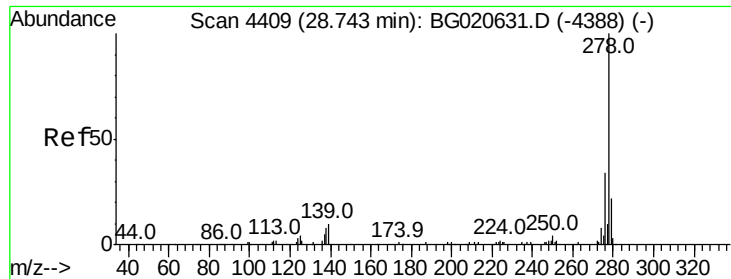
Sohil
12/31/2015 6:38:07 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 7.10 ng/ul
RT: 28.68 min Scan# 4399
Delta R.T. -0.01 min
Lab File: BG020635.D
Acq: 31 Dec 2015 10:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.0	10.9	16.3
277	26.3	18.9	28.3





#93

Dibenzo(a,h)anthracene

Concen: 2.85 ng/ul

RT: 28.72 min Scan# 4406

Delta R.T. -0.02 min

Lab File: BG020635.D

Acq: 31 Dec 2015 10:43

Instrument :

BNA_G

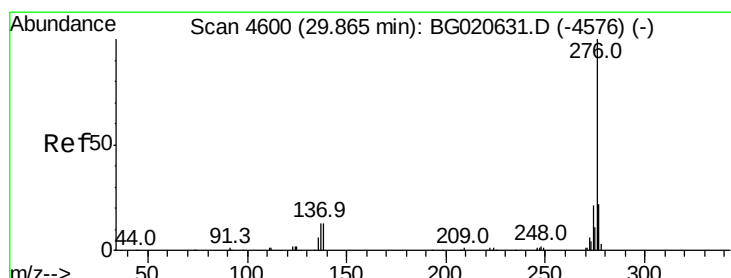
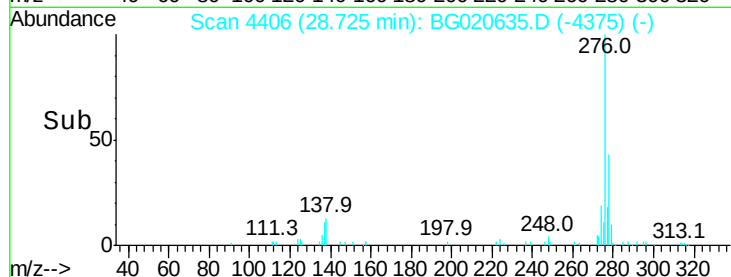
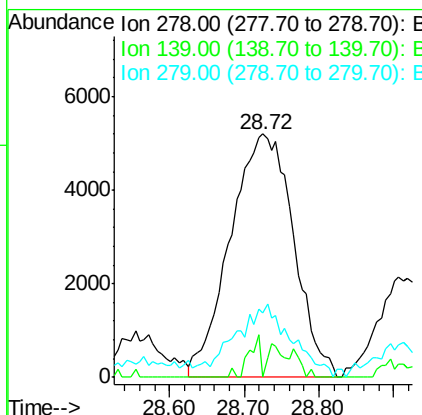
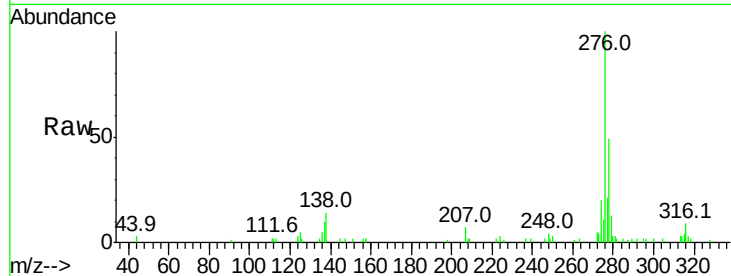
ClientSampleId :

G9D90DL

Tot Ion:	278	Resp:	30506
Ion Ratio	Lower	Upper	
278	100		
139	0.0	9.0	13.4#
279	26.6	19.1	28.7

Manual Integrations
APPROVED

Sohil
12/31/2015 6:38:07 PM



#94

Benzo(g,h,i)perylene

Concen: 8.83 ng/ul

RT: 29.86 min Scan# 4599

Delta R.T. 0.01 min

Lab File: BG020635.D

Acq: 31 Dec 2015 10:43

Tgt Ion:	276	Resp:	93187
Ion Ratio	Lower	Upper	
276	100		
138	12.9	11.2	16.8
277	23.9	19.0	28.6

