

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110617\
 Data File : BG030769.D
 Acq On : 6 Nov 2017 11:25
 Operator : SJ/JU
 Sample : I6107-11DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0EA2DL

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:37:19 PM

Quant Time: Nov 07 04:30:18 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 07 04:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	63510	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	293030	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	191571	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.52	188	458961	20.00	ng/ul	0.00
75) Chrysene-d12	21.79	240	500057	20.00	ng/ul	0.00
83) Perylene-d12	25.10	264	517327	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	1714	1.10	ng/uL	0.00
5) Phenol-d5	7.32	99	29513	4.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	17683	4.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	24818	5.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	24611	5.00	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	11740	5.58	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	13334	6.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	26158	5.33	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	9347	1.64	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	92894	5.67	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	120442	6.05	ng/ul	0.00
51) 4-Nitrophenol-d4	14.98	143	11224	3.71	ng/ul	0.00
57) Fluorene-d10	15.76	176	93544	6.97	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	1576	0.70	ng/ul	0.00
70) Anthracene-d10	17.61	188	146733m	6.76	ng/ul	0.00
76) Pyrene-d10	19.88	212	167628	6.48	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.87	264	166266	6.79	ng/ul	0.00

Target Compounds

					Qvalue
28) Naphthalene	11.02	128	37161	2.397 ng/ul	97
44) Dimethylphthalate	14.21	163	75809	4.746 ng/ul	100
47) Acenaphthylene	14.50	152	54582	2.686 ng/ul	98
49) Acenaphthene	14.84	153	32955	2.371 ng/ul	97
53) Dibenzofuran	15.17	168	39662	2.087 ng/ul	89
58) Fluorene	15.82	166	57514	3.794 ng/ul	99
69) Phenanthrene	17.56	178	729222	29.391 ng/ul	99
71) Anthracene	17.64	178	176119	6.880 ng/ul	100
72) Carbazole	17.91	167	97279	4.228 ng/ul	97
74) Fluoranthene	19.55	202	1030179	37.152 ng/ul	99
77) Pyrene	19.92	202	876713	26.159 ng/ul	99
80) Benzo(a)anthracene	21.77	228	522397	16.670 ng/ul	98
82) Chrysene	21.83	228	493287	17.324 ng/ul	96
85) Benzo(b)fluoranthene	24.04	252	690327	22.228 ng/ul	97
86) Benzo(k)fluoranthene	24.11	252	256059m	8.527 ng/ul	
88) Benzo(a)pyrene	24.94	252	510400	16.883 ng/ul	97
89) Indeno(1,2,3-cd)pyrene	28.90	276	442633	12.942 ng/ul	96
90) Dibenzo(a,h)anthracene	28.94	278	110380m	3.885 ng/ul	
91) Benzo(g,h,i)perylene	30.09	276	420241	14.823 ng/ul	97

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

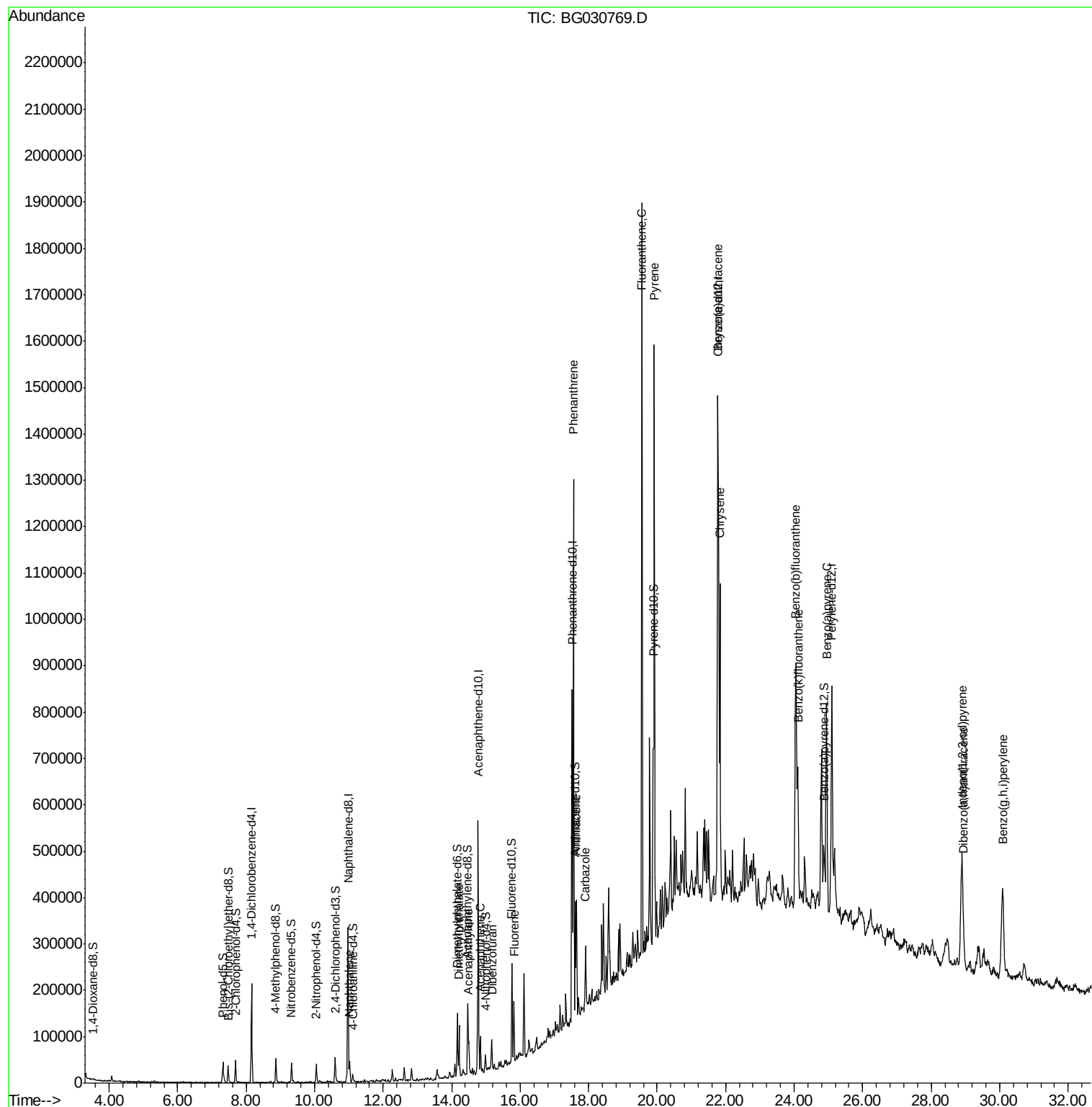
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110617\
Data File : BG030769.D
Acq On : 6 Nov 2017 11:25
Operator : SJ/JU
Sample : I6107-11DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

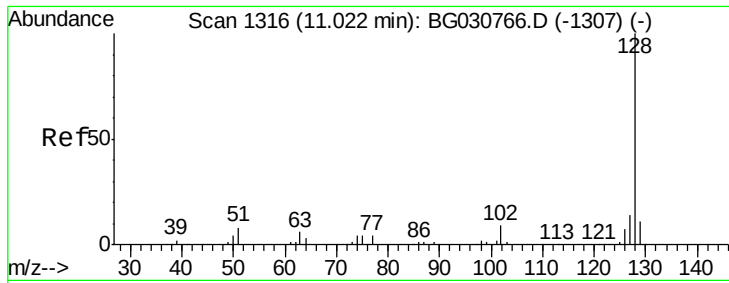
Instrument :
BNA_G
ClientSampled :
B0EA2DL

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Quant Time: Nov 07 04:30:18 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 07 04:02:51 2017
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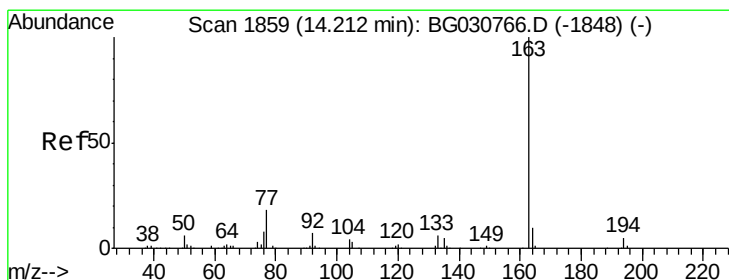
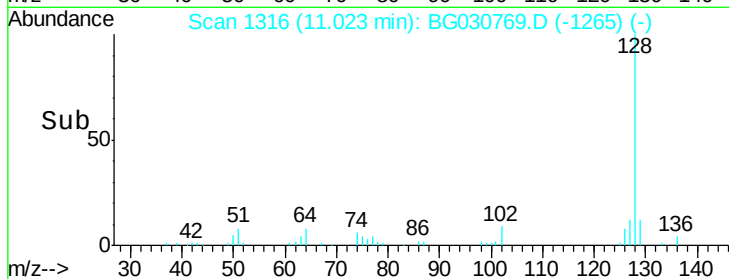
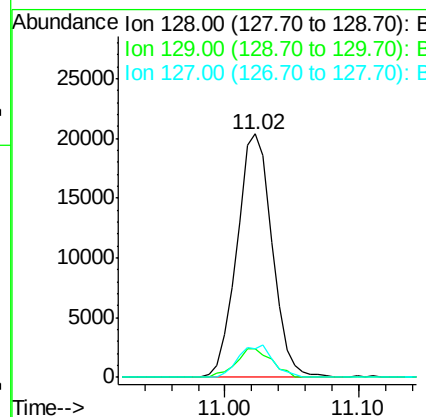
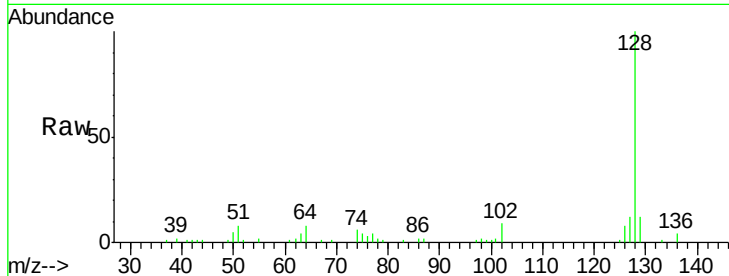
#28
Naphthalene
Concen: 2.397 ng/ul
RT: 11.02 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BG030769.D
Acq: 6 Nov 2017 11:25

Instrument :
BNA_G
ClientSampled :
B0EA2DL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.3	13.9
127	11.6	10.7	16.1

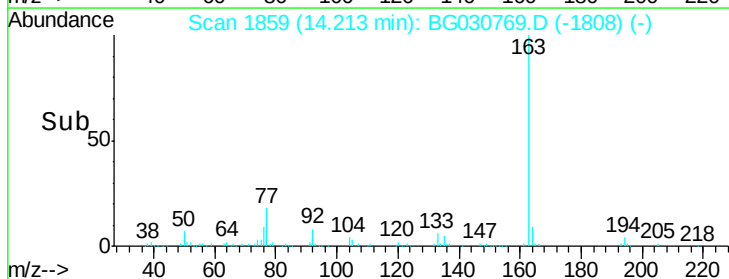
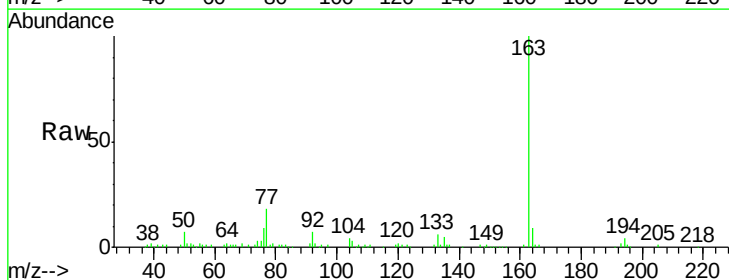
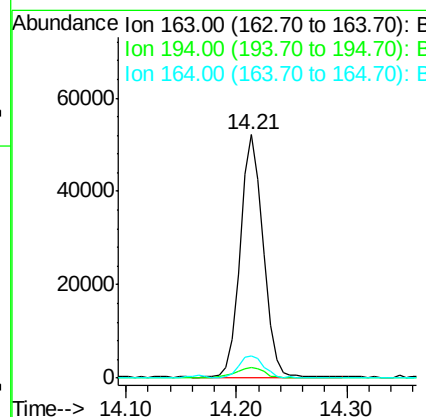
Manual Integrations
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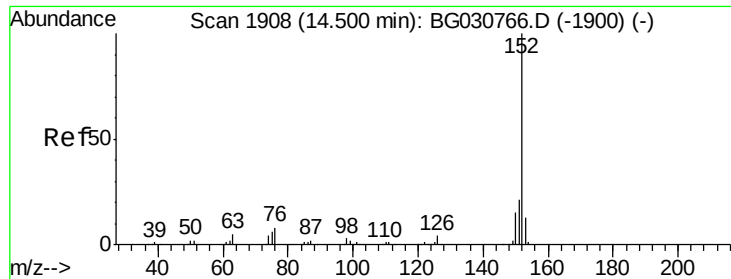
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#44
Dimethylphthalate
Concen: 4.746 ng/ul
RT: 14.21 min Scan# 1859
Delta R.T. 0.00 min
Lab File: BG030769.D
Acq: 6 Nov 2017 11:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	9.3	7.6	11.4





#47

Acenaphthylene

Concen: 2.686 ng/ul

RT: 14.50 min Scan# 1908

Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Instrument :

BNA_G

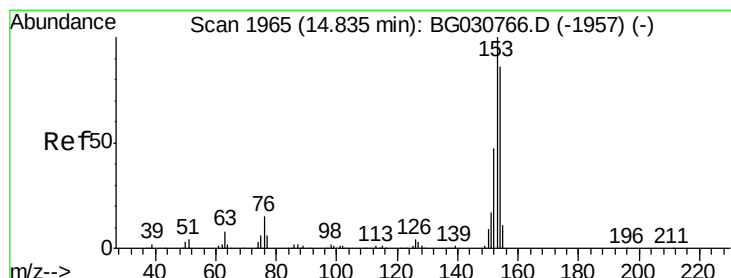
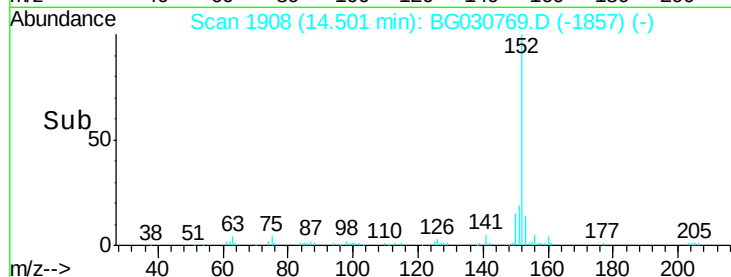
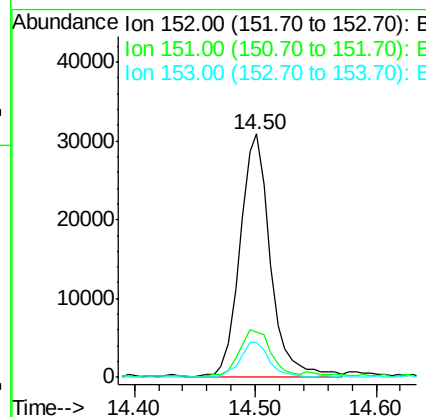
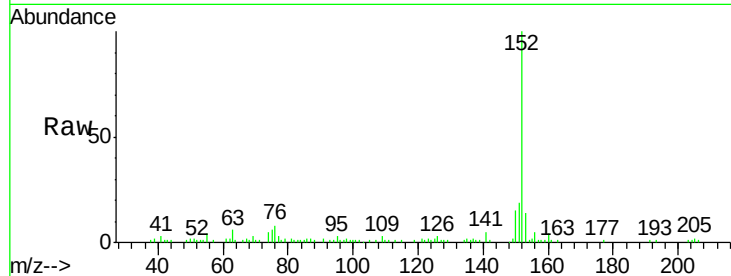
ClientSampleId :

B0EA2DL

Tgt Ion:	152	Resp:	54582
Ion Ratio	Lower	Upper	
152	100		
151	18.8	15.2	22.8
153	14.1	10.2	15.4

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#49

Acenaphthene

Concen: 2.371 ng/ul

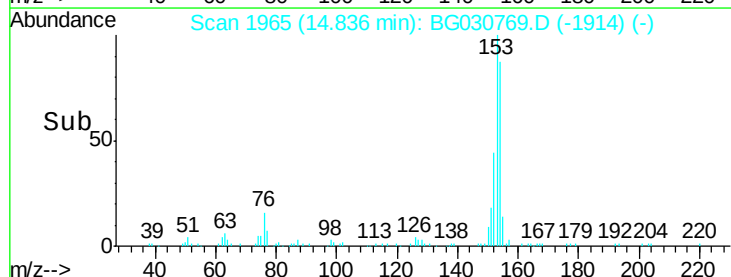
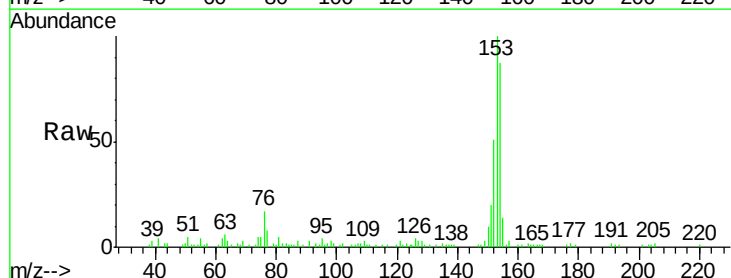
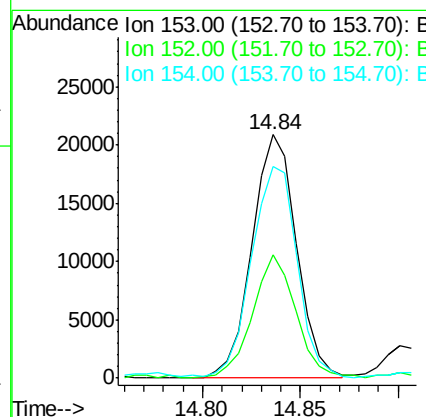
RT: 14.84 min Scan# 1965

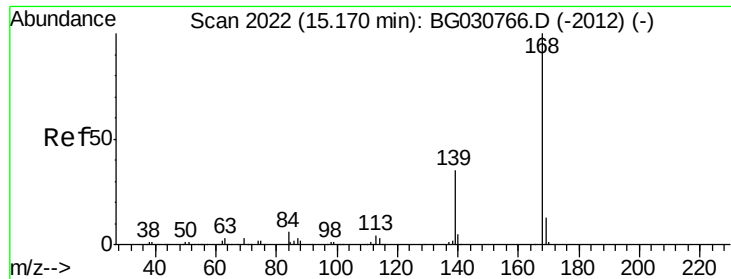
Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Tgt Ion:	153	Resp:	32955
Ion Ratio	Lower	Upper	
153	100		
152	50.8	38.2	57.2
154	86.7	70.6	105.8





#53

Dibenzenofuran

Concen: 2.087 ng/ul

RT: 15.17 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Instrument :

BNA_G

ClientSampleId :

B0EA2DL

Tgt Ion:168 Resp: 39662

Ion Ratio Lower Upper

168 100

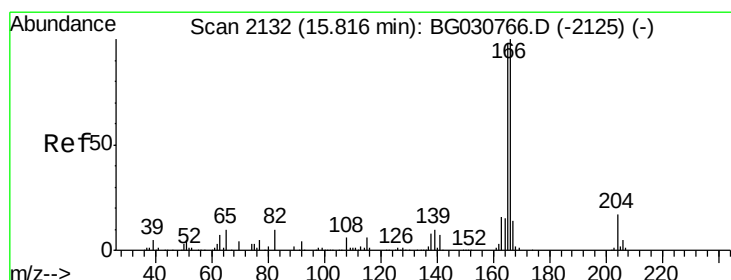
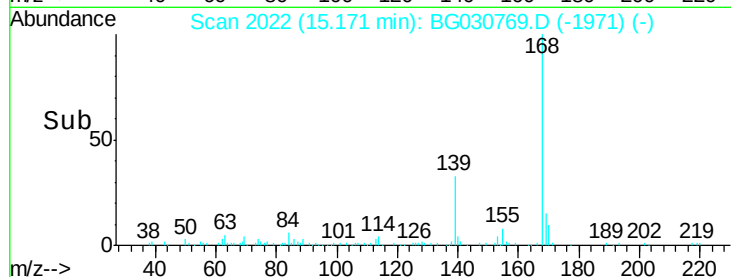
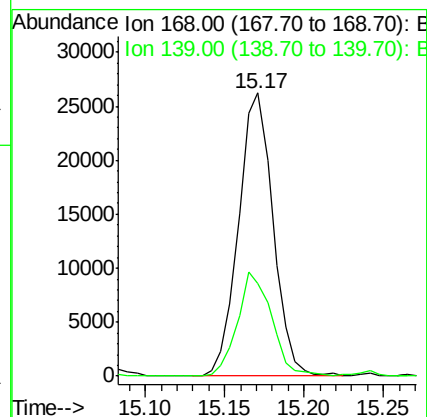
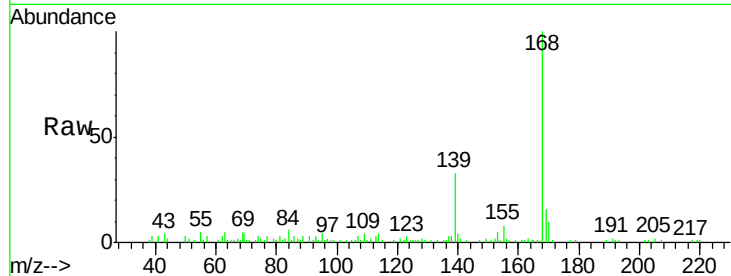
139 32.7 31.4 47.2

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#58

Fluorene

Concen: 3.794 ng/ul

RT: 15.82 min Scan# 2132

Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

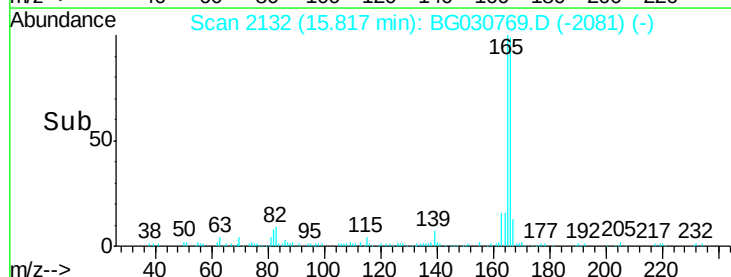
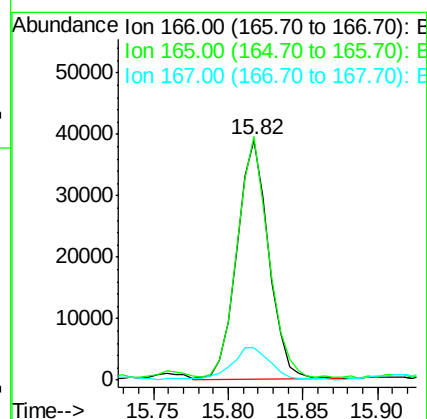
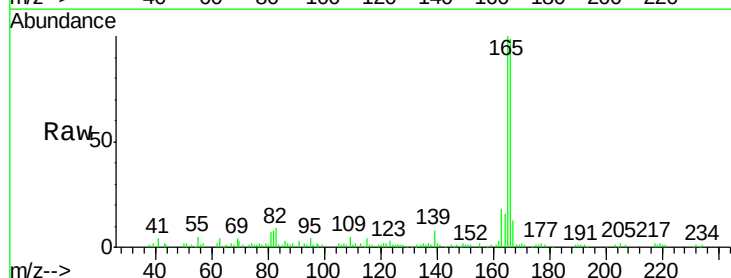
Tgt Ion:166 Resp: 57514

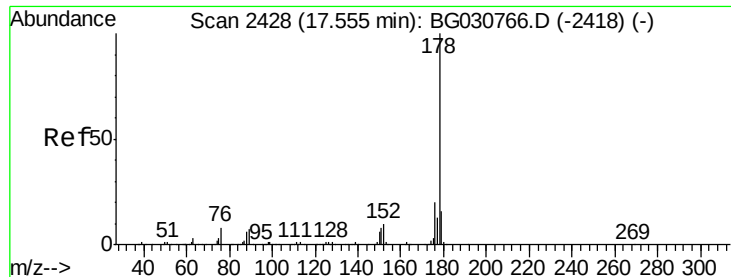
Ion Ratio Lower Upper

166 100

165 101.5 79.9 119.9

167 13.5 10.6 16.0





#69

Phenanthrene

Concen: 29.391 ng/ul

RT: 17.56 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Instrument :

BNA_G

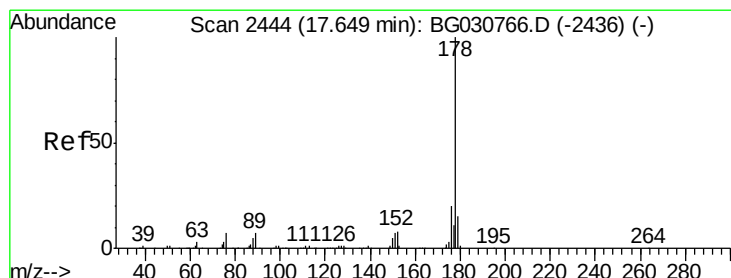
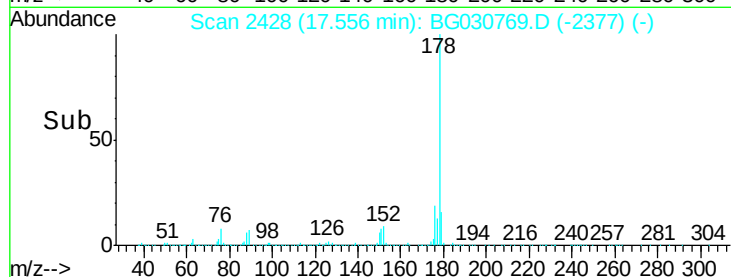
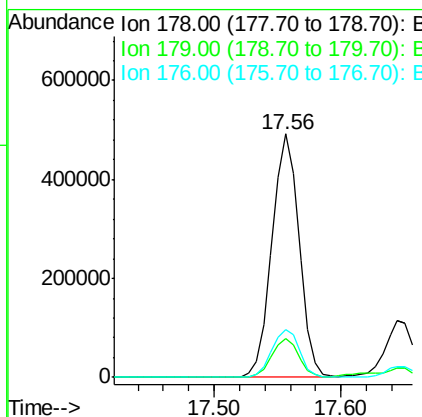
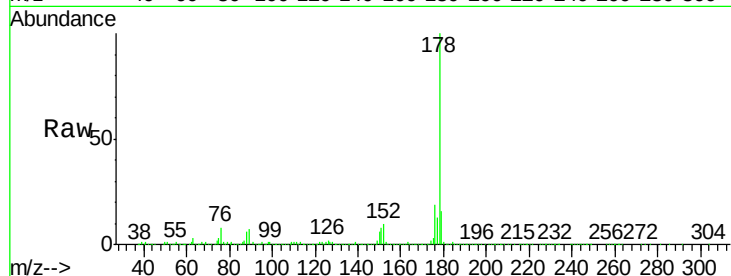
ClientSampleId :

B0EA2DL

Tgt Ion:	178	Resp:	729222
Ion Ratio	Lower	Upper	
178	100		
179	16.2	13.0	19.6
176	19.5	15.3	22.9

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#71

Anthracene

Concen: 6.880 ng/ul

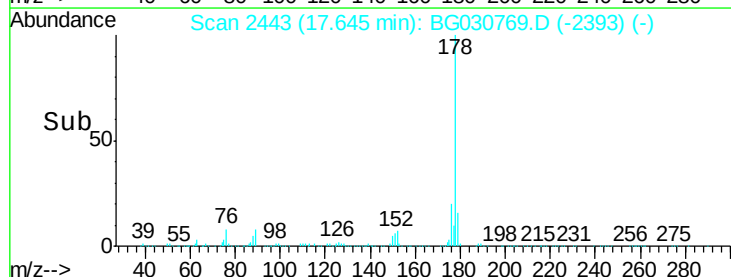
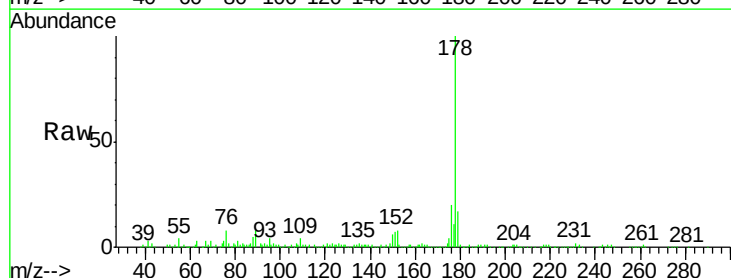
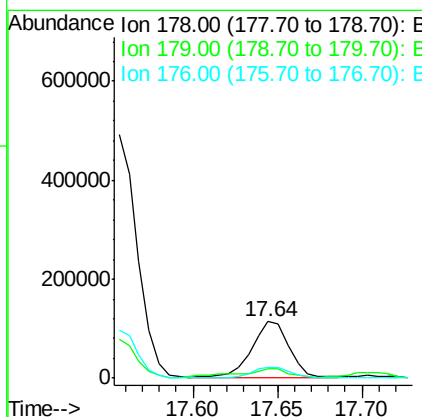
RT: 17.64 min Scan# 2443

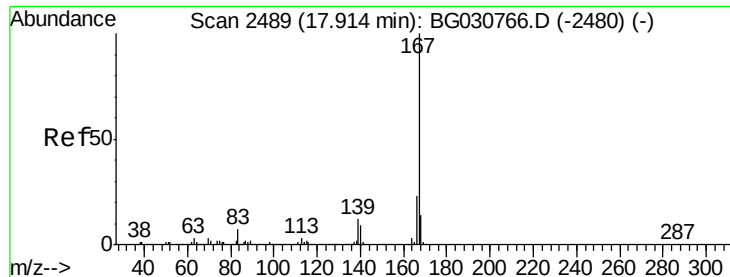
Delta R.T. -0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Tgt Ion:	178	Resp:	176119
Ion Ratio	Lower	Upper	
178	100		
179	16.7	13.2	19.8
176	20.0	16.0	24.0





#72

Carbazole

Concen: 4.228 ng/ul

RT: 17.91 min Scan# 2489

Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Instrument :

BNA_G

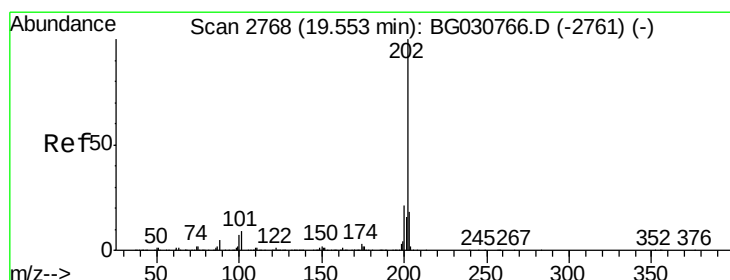
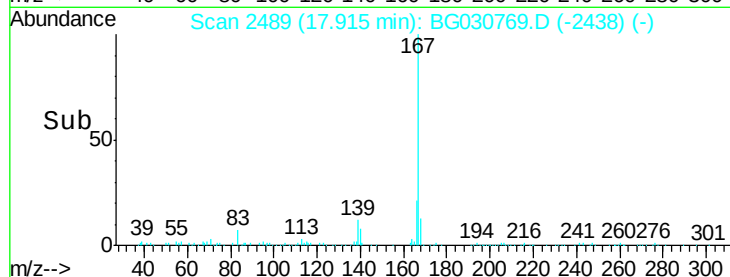
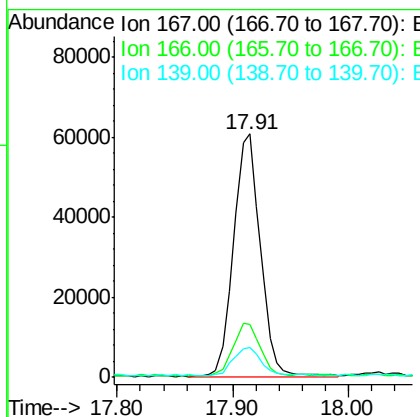
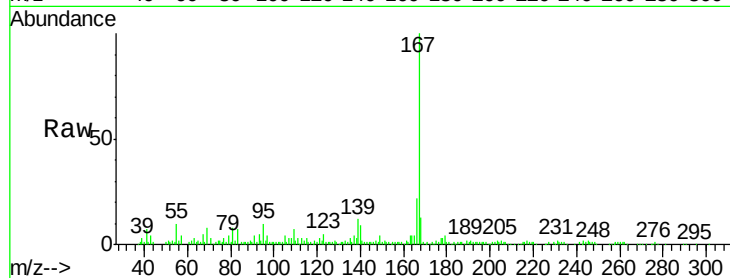
ClientSampleId :

B0EA2DL

Tgt Ion:	167	Resp:	97279
Ion Ratio	Lower	Upper	
167	100		
166	21.7	18.6	28.0
139	12.3	10.6	16.0

Manual Integrations
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#74

Fluoranthene

Concen: 37.152 ng/ul

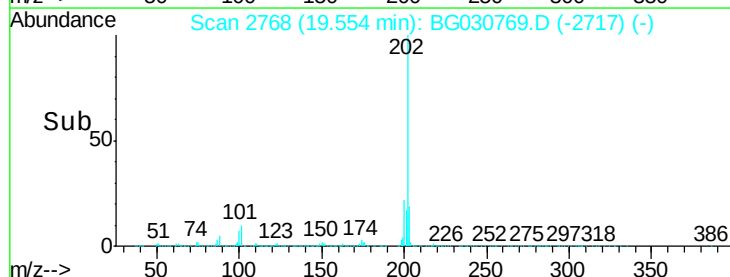
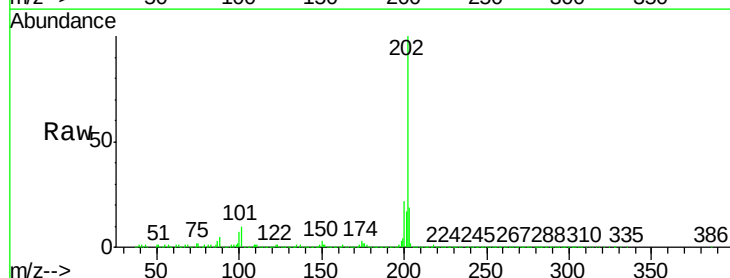
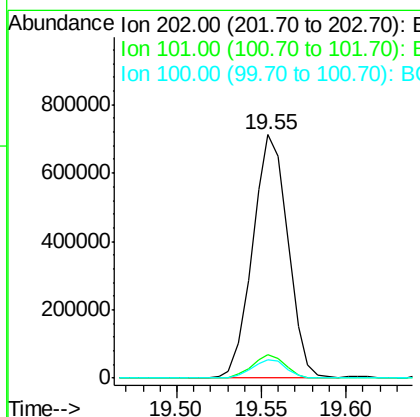
RT: 19.55 min Scan# 2768

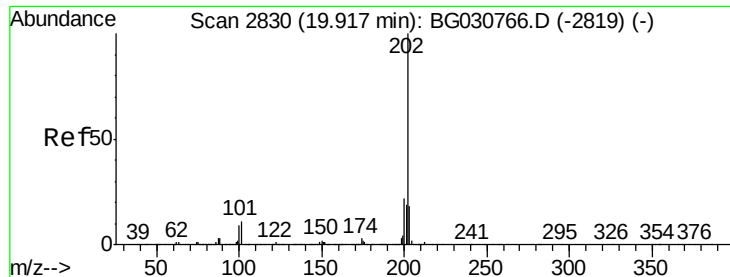
Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Tgt Ion:	202	Resp:	1030179
Ion Ratio	Lower	Upper	
202	100		
101	9.7	7.4	11.2
100	7.5	5.6	8.4





#77

Pyrene

Concen: 26.159 ng/ul

RT: 19.92 min Scan# 2830

Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Instrument :

BNA_G

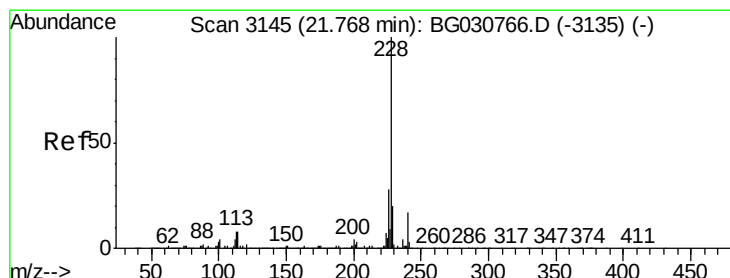
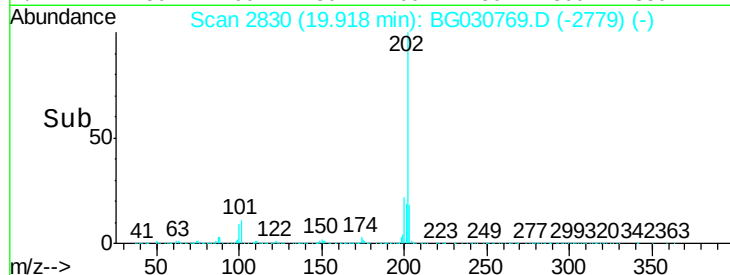
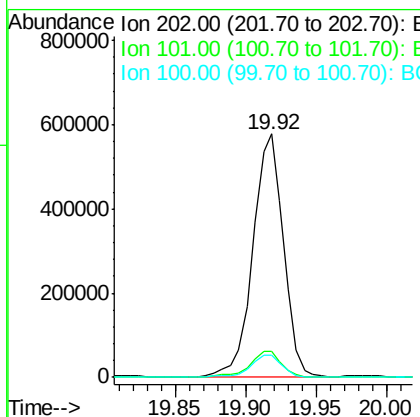
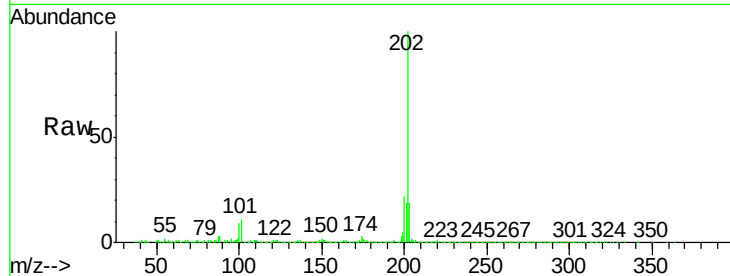
ClientSampleId :

B0EA2DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.6	8.4	12.6
100	9.4	7.0	10.6

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#80

Benzo(a)anthracene

Concen: 16.670 ng/ul

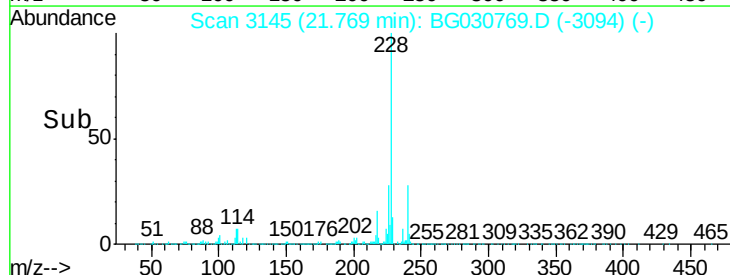
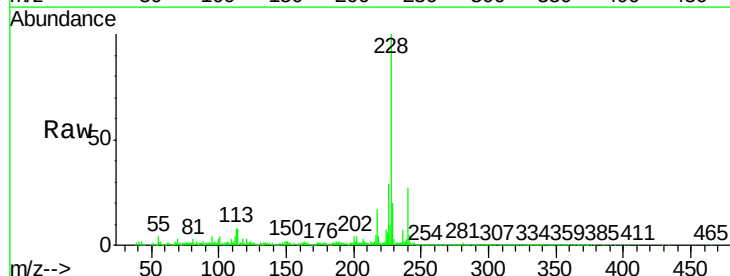
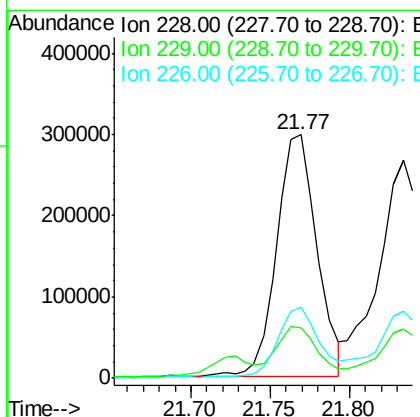
RT: 21.77 min Scan# 3145

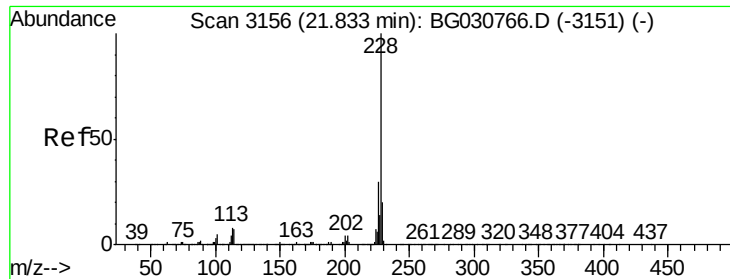
Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.5	16.2	24.4
226	29.2	22.2	33.2





#82

Chrysene

Concen: 17.324 ng/ul

RT: 21.83 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Instrument :

BNA_G

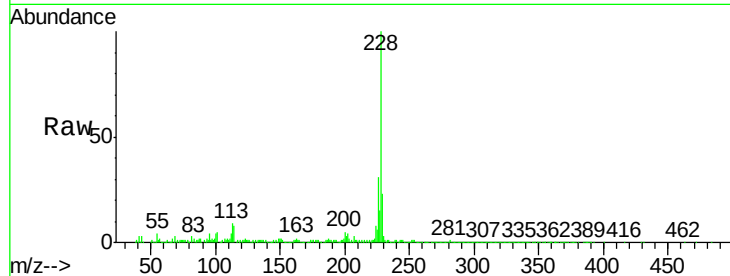
ClientSampleId :

B0EA2DL

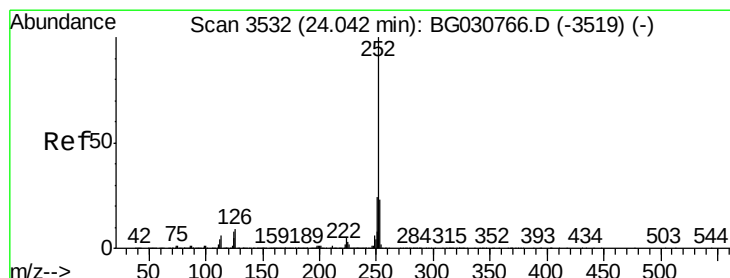
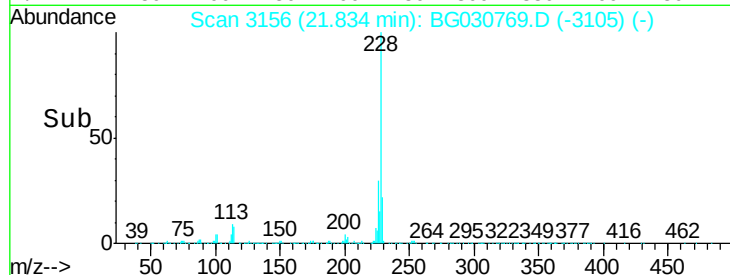
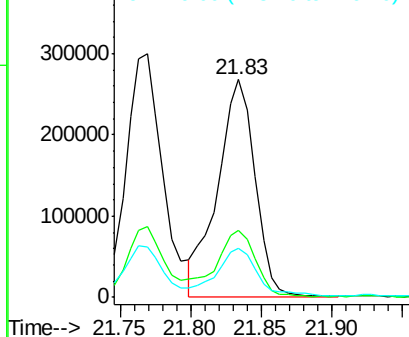
Tgt Ion:	228	Resp:	493287
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.2	36.2
229	22.7	15.2	22.8

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 22.228 ng/ul

RT: 24.04 min Scan# 3532

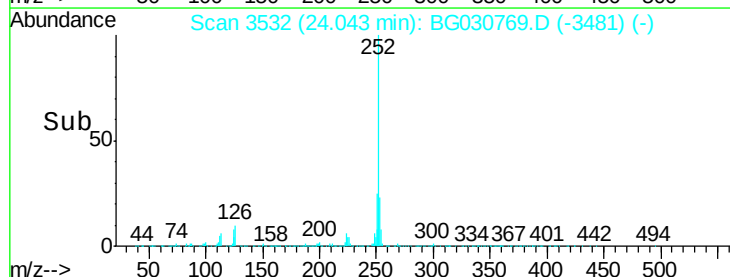
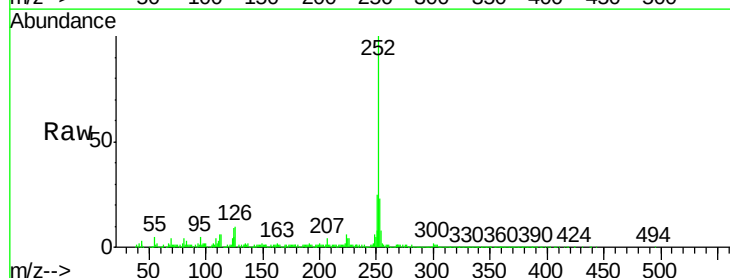
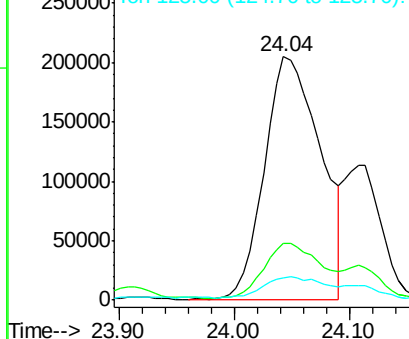
Delta R.T. 0.00 min

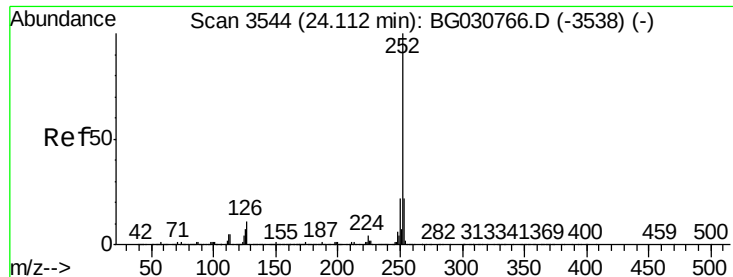
Lab File: BG030769.D

Acq: 6 Nov 2017 11:25

Tgt Ion:	252	Resp:	690327
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.4
125	9.0	7.5	11.3

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





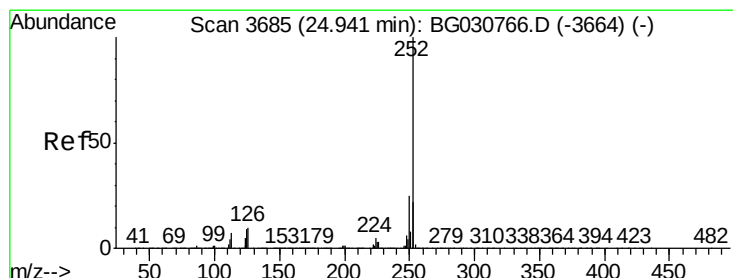
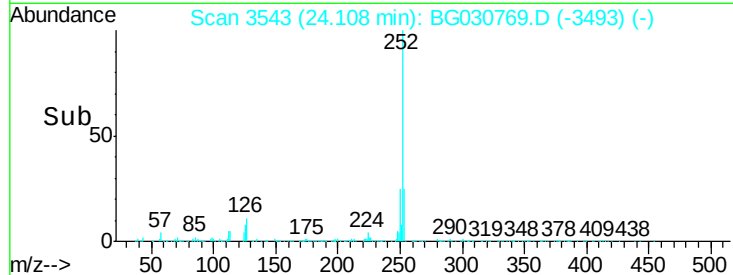
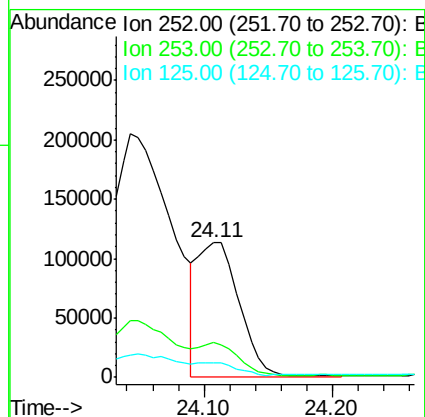
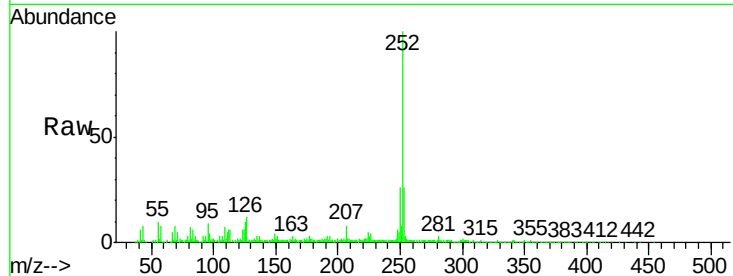
#86
Benzo(k)fluoranthene
Concen: 8.527 ng/ul m
RT: 24.11 min Scan# 3543
Delta R.T. -0.00 min
Lab File: BG030769.D
Acq: 6 Nov 2017 11:25

Instrument :
BNA_G
ClientSampled :
B0EA2DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.2	25.8#
125	10.4	7.8	11.8

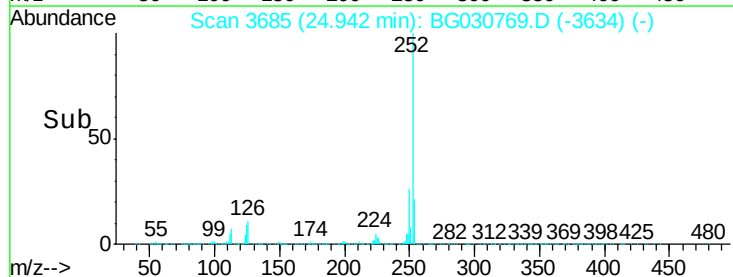
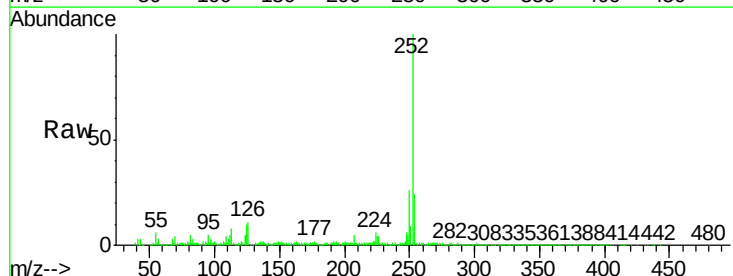
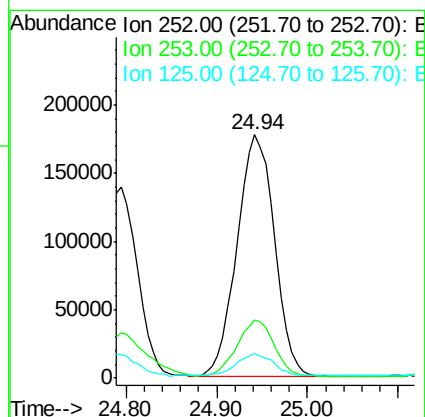
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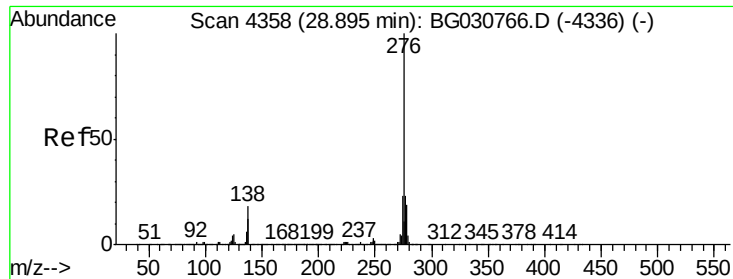
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#88
Benzo(a)pyrene
Concen: 16.883 ng/ul
RT: 24.94 min Scan# 3685
Delta R.T. 0.00 min
Lab File: BG030769.D
Acq: 6 Nov 2017 11:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	10.0	7.8	11.8





#89

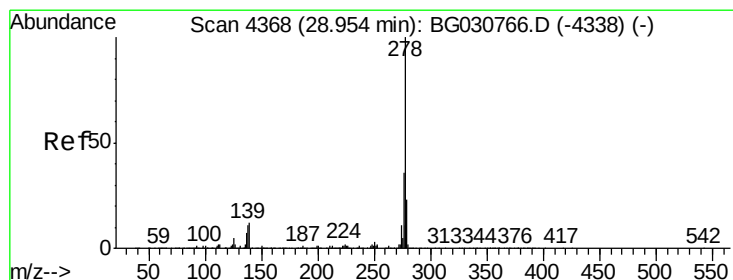
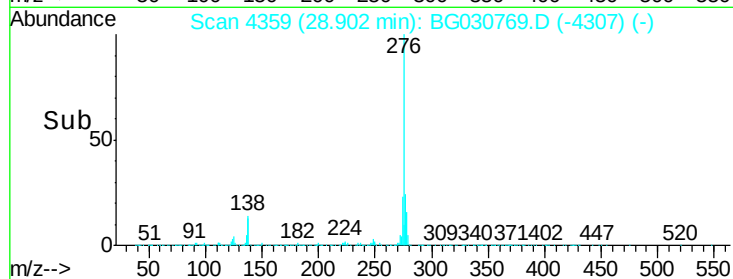
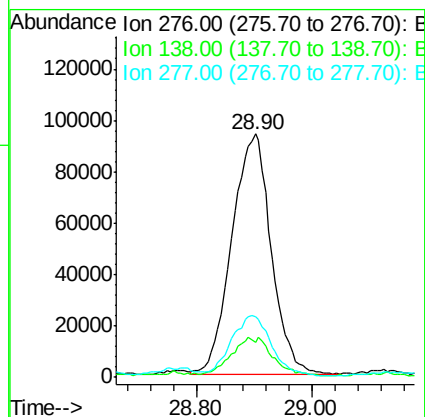
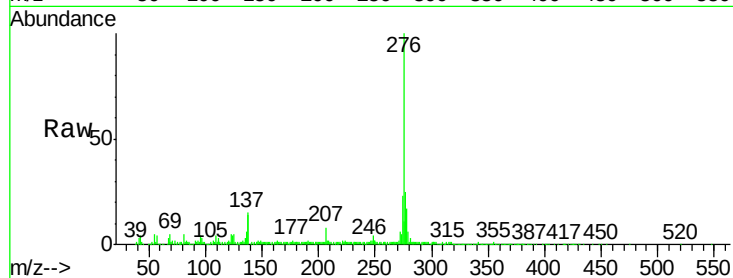
Indeno(1,2,3-cd)pyrene
Concen: 12.942 ng/ul
RT: 28.90 min Scan# 4359
Delta R.T. 0.01 min
Lab File: BG030769.D
Acq: 6 Nov 2017 11:25

Instrument :
BNA_G
ClientSampleId :
B0EA2DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.5	13.4	20.0
277	24.9	18.6	28.0

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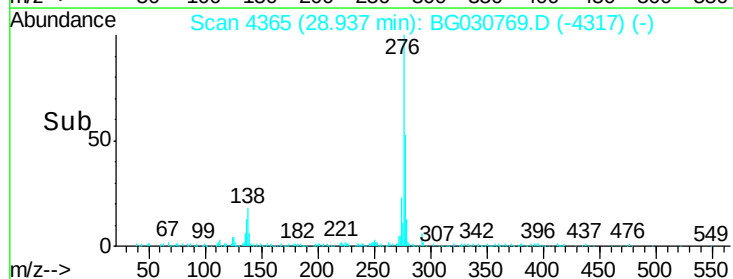
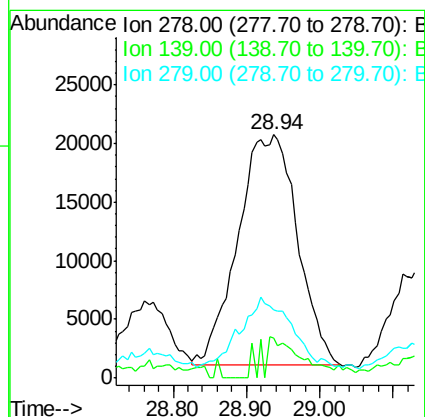
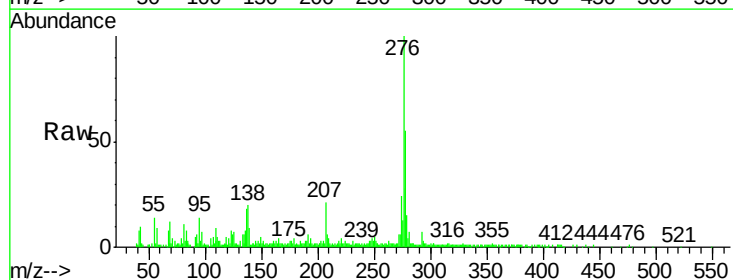
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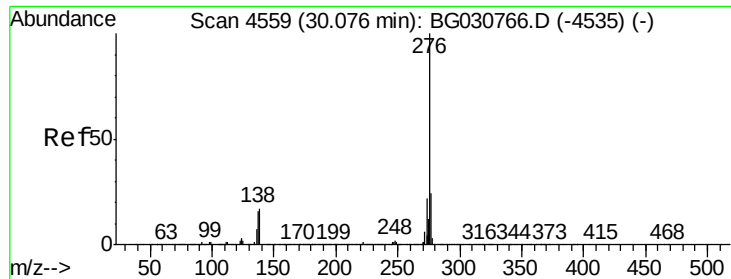


#90

Dibenzo(a,h)anthracene
Concen: 3.885 ng/ul m
RT: 28.94 min Scan# 4365
Delta R.T. -0.02 min
Lab File: BG030769.D
Acq: 6 Nov 2017 11:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.3	9.4	14.2#
279	27.8	18.4	27.6#





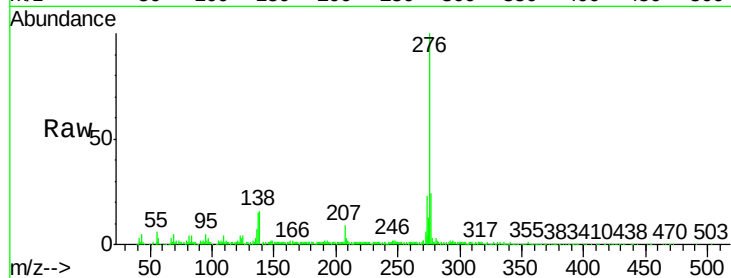
#91
 Benzo(g,h,i)perylene
 Concen: 14.823 ng/ul
 RT: 30.09 min Scan# 4561
 Delta R.T. 0.01 min
 Lab File: BG030769.D
 Acq: 6 Nov 2017 11:25

Instrument :
 BNA_G
 ClientSampleId :
 B0EA2DL

Tgt	Ion	276	Resp:	420241
Ion	Ratio	Lower	Upper	
276	100			
138	15.7	12.1	18.1	
277	23.6	17.7	26.5	

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

