

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110517\
 Data File : BG030753.D
 Acq On : 6 Nov 2017 00:22
 Operator : SJ/JU
 Sample : I6107-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0EA2

Manual Integrations
 APPROVED

Sohil
 11/6/2017 2:19:37 PM

Quant Time: Nov 06 02:46:52 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 01:27:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	82356	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	375118	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	237648	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	508994	20.00	ng/ul	0.00
75) Chrysene-d12	21.80	240	533883	20.00	ng/ul	0.02
83) Perylene-d12	25.14	264	596858m	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	8031	3.96	ng/uL	0.00
5) Phenol-d5	7.31	99	179952	22.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	105073	21.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	151749	27.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	150663	23.60	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	74867	27.80	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	90897	32.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	167725	26.68	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	56997	7.80	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	523604	25.77	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	660325	26.72	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	78989	21.06	ng/ul	0.00
57) Fluorene-d10	15.76	176	492328	29.59	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	45047	18.13	ng/ul	0.01
70) Anthracene-d10	17.61	188	740161	30.75	ng/ul	0.01
76) Pyrene-d10	19.89	212	804198	29.10	ng/ul	0.02
87) Benzo(a)pyrene-d12	24.91	264	827319m	29.27	ng/ul	0.05

Target Compounds

					Ovalue
6) Phenol	7.34	94	37290	4.559	ng/ul 90
16) 4-Methylphenol	8.92	108	7248	1.088	ng/ul 89
28) Naphthalene	11.02	128	216655	10.915	ng/ul 100
34) 2-Methylnaphthalene	12.61	142	84605	5.149	ng/ul 96
40) 1,1'-Biphenyl	13.61	154	30271	1.545	ng/ul 97
44) Dimethylphthalate	14.21	163	419213	21.154	ng/ul 98
47) Acenaphthylene	14.49	152	271899	10.787	ng/ul 95
49) Acenaphthene	14.84	153	193988	11.249	ng/ul 96
53) Dibenzofuran	15.16	168	218830	9.282	ng/ul 94
58) Fluorene	15.82	166	307938	16.373	ng/ul 95
69) Phenanthrene	17.56	178	2990689m	108.690	ng/ul
71) Anthracene	17.65	178	861802	30.357	ng/ul 99
72) Carbazole	17.91	167	479093	18.774	ng/ul 99
74) Fluoranthene	19.57	202	3752902m	122.040	ng/ul
77) Pyrene	19.92	202	3380449	94.476	ng/ul# 89
80) Benzo(a)anthracene	21.78	228	2409134	72.004	ng/ul 91
82) Chrysene	21.84	228	2337319	76.884	ng/ul# 88
85) Benzo(b)fluoranthene	24.08	252	3215893m	89.751	ng/ul
86) Benzo(k)fluoranthene	24.14	252	1255286m	36.234	ng/ul
88) Benzo(a)pyrene	24.99	252	2403916m	68.923	ng/ul
89) Indeno(1,2,3-cd)pyrene	28.98	276	2218573m	56.223	ng/ul
90) Dibenzo(a,h)anthracene	29.01	278	571460m	17.433	ng/ul
91) Benzo(g,h,i)perylene	30.18	276	2122860m	64.901	ng/ul

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110517\
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Sample : I6107-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B0EA2

Manual Integrations
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Quant Time: Nov 06 02:46:52 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 01:27:00 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

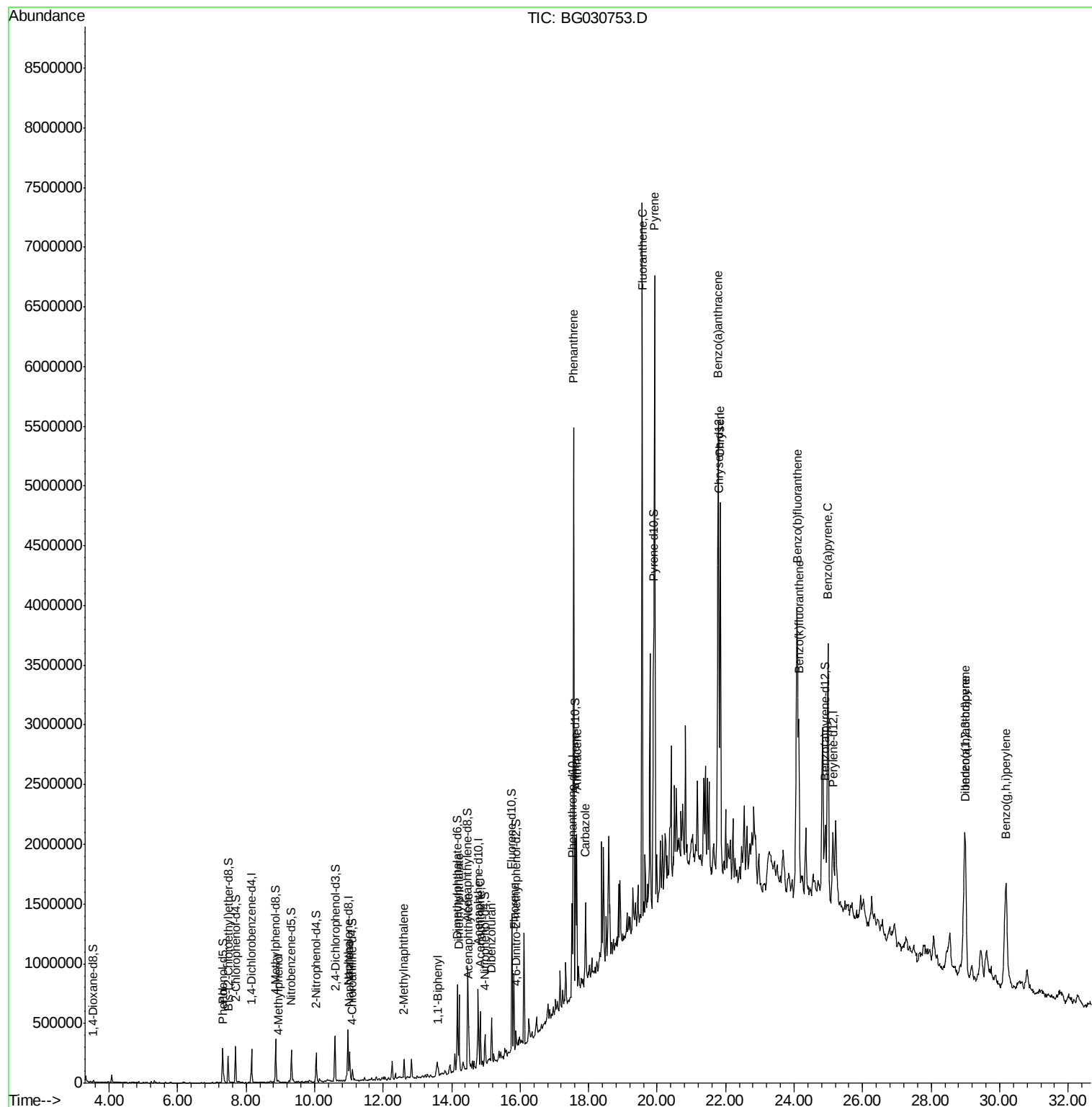
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG110517\
Data File : BG030753.D
Acq On : 6 Nov 2017 00:22
Operator : SJ/JU
Sample : I6107-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

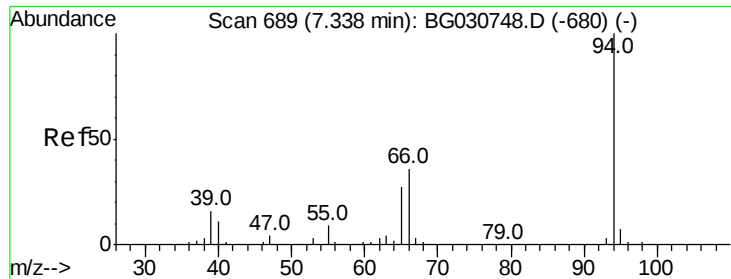
Instrument :
BNA_G
ClientSampled :
B0EA2

Manual Integrations
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Quant Time: Nov 06 02:46:52 2017
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QLast Update : Mon Nov 06 01:27:00 2017
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#6

Phenol

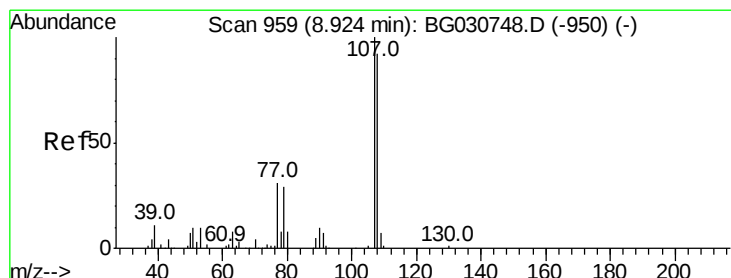
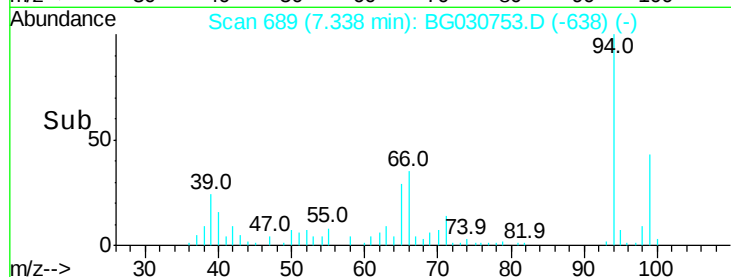
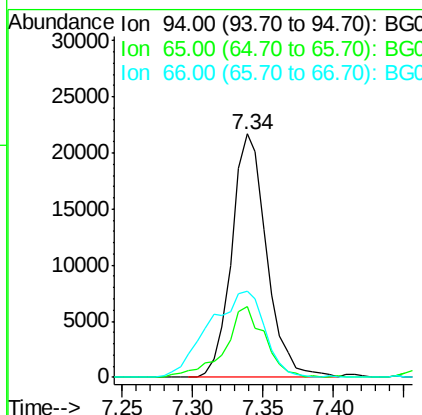
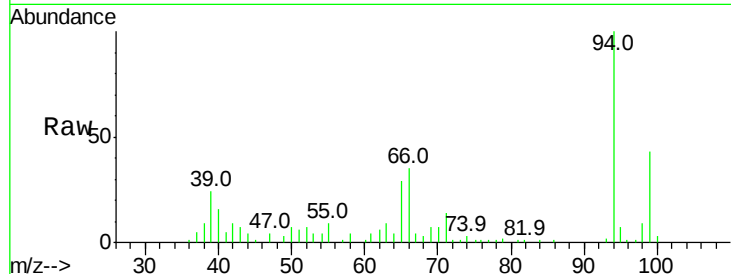
Concen: 4.559 ng/ul
 RT: 7.34 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: BG030753.D
 Acq: 6 Nov 2017 00:22

Instrument :
 BNA_G
 ClientSampled :
 B0EA2

Tot Ion	Ratio	Lower	Upper
94	100		
65	29.3	27.1	40.7
66	35.4	34.6	52.0

Manual Integrations
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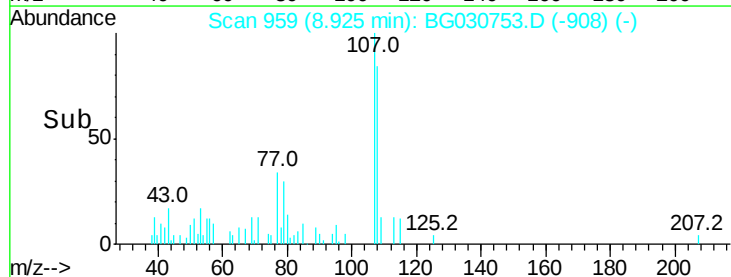
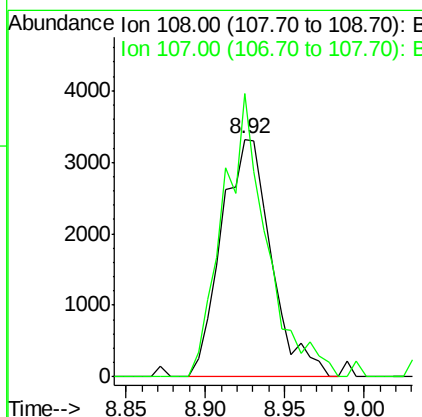
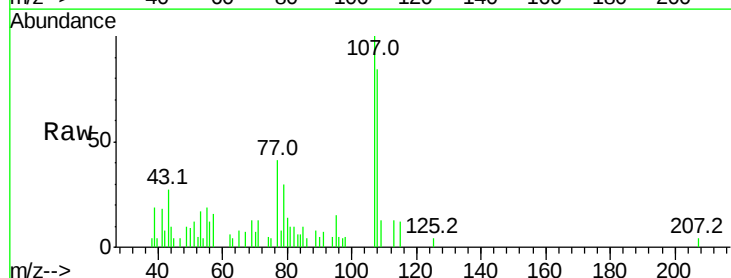


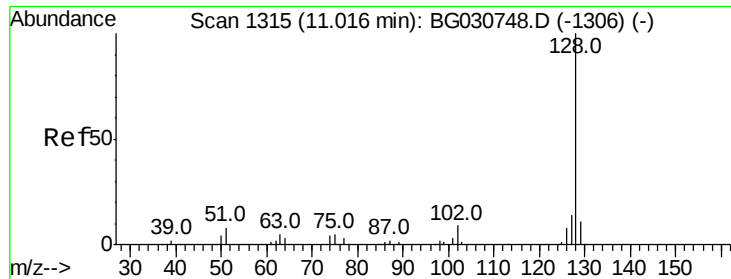
#16

4-Methylphenol

Concen: 1.088 ng/ul
 RT: 8.92 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: BG030753.D
 Acq: 6 Nov 2017 00:22

Tgt Ion	Ratio	Lower	Upper
108	100		
107	119.2	86.5	129.7





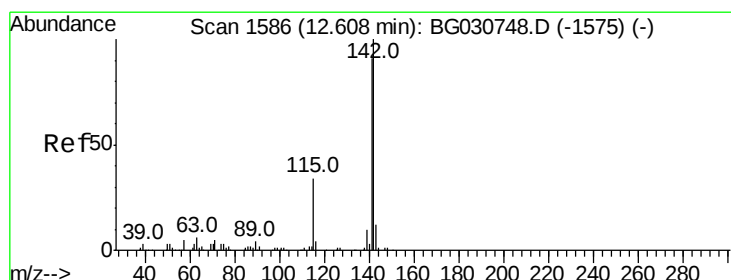
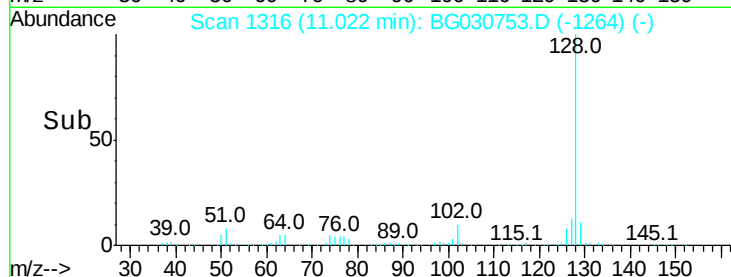
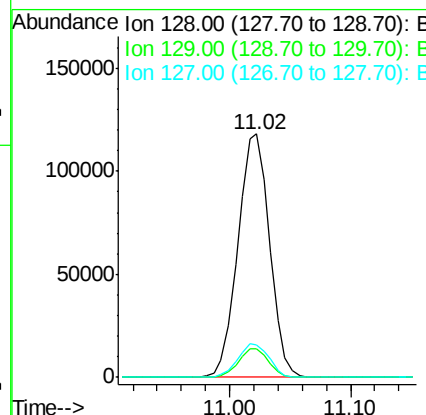
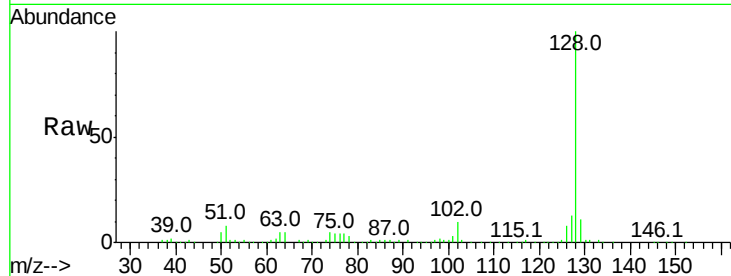
#28
Naphthalene
Concen: 10.915 ng/ul
RT: 11.02 min Scan# 1316
Delta R.T. 0.01 min
Lab File: BG030753.D
Acq: 6 Nov 2017 00:22

Instrument :
BNA_G
ClientSampleId :
B0EA2

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.3	13.9
127	13.4	10.7	16.1

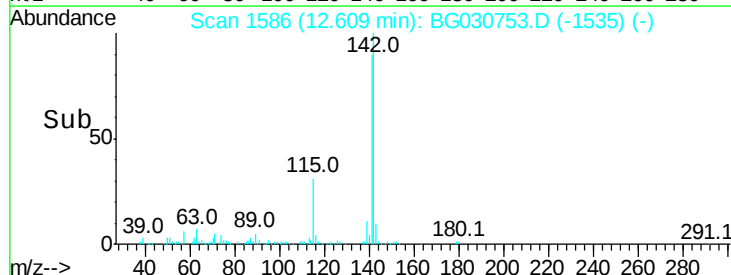
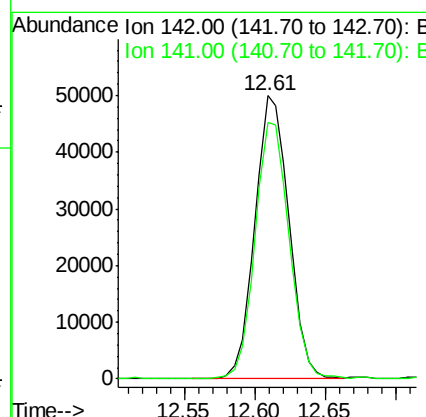
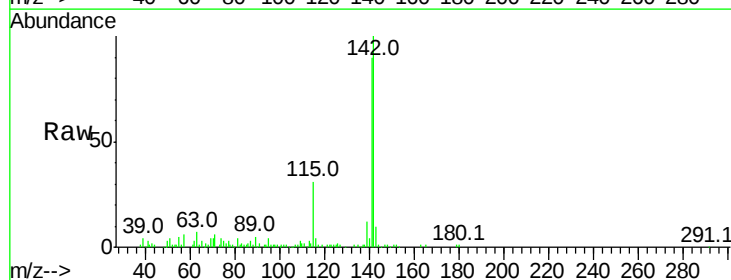
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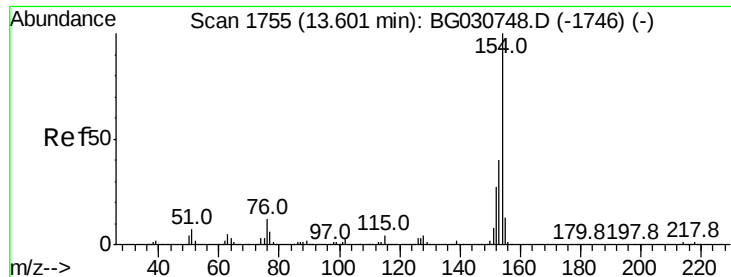
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#34
2-Methylnaphthalene
Concen: 5.149 ng/ul
RT: 12.61 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BG030753.D
Acq: 6 Nov 2017 00:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.5	75.4	113.0





#40

1,1'-Biphenyl

Concen: 1.545 ng/ul

RT: 13.61 min Scan# 1756

Delta R.T. 0.01 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

Instrument :

BNA_G

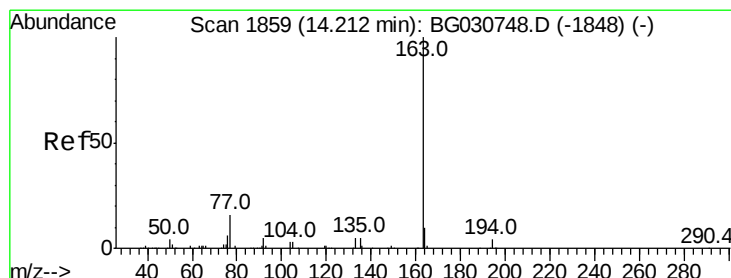
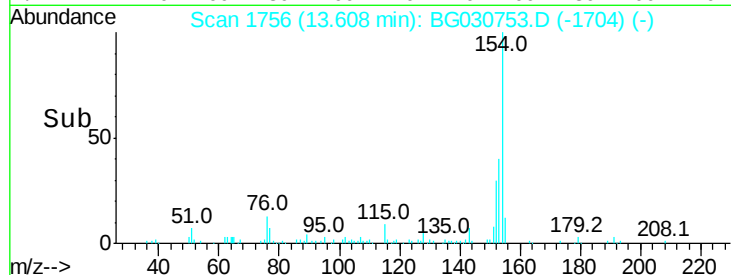
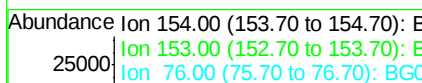
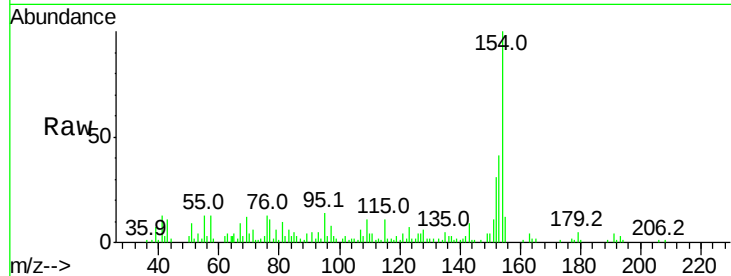
ClientSampled :

B0EA2

Tot Ion:	154	Resp:	30271
Ion Ratio	Lower	Upper	
154	100		
153	40.9	34.6	52.0
76	13.0	10.6	15.8

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#44

Dimethylphthalate

Concen: 21.154 ng/ul

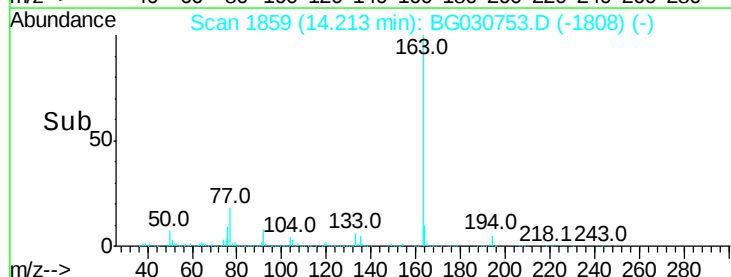
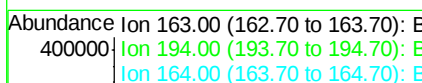
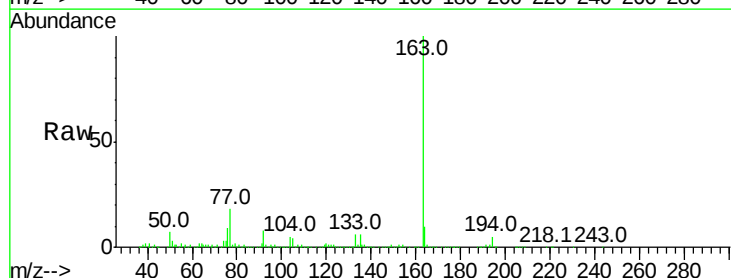
RT: 14.21 min Scan# 1859

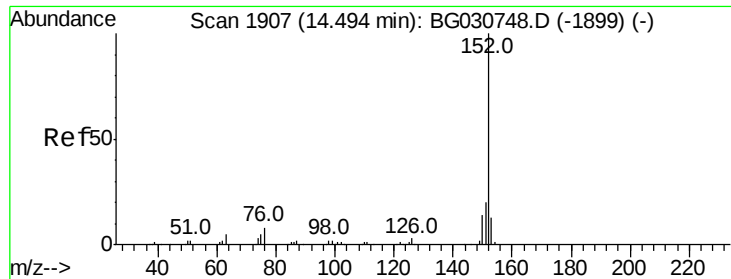
Delta R.T. 0.00 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

Tgt Ion:	163	Resp:	419213
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.5	5.3
164	10.4	7.6	11.4





#47

Acenaphthylene

Concen: 10.787 ng/ul

RT: 14.49 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

Instrument :

BNA_G

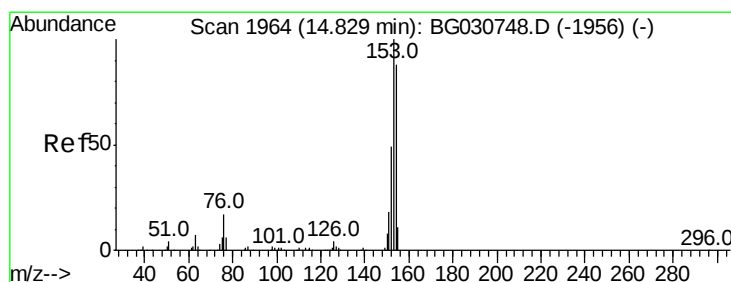
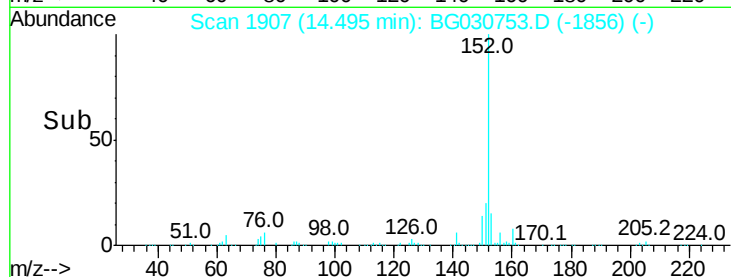
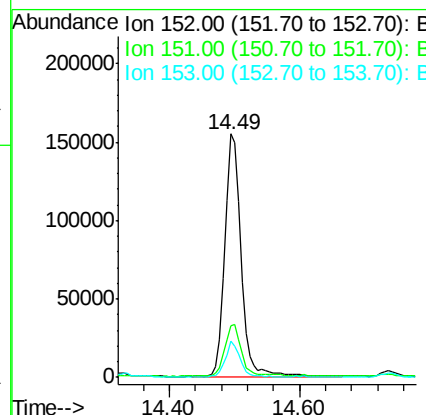
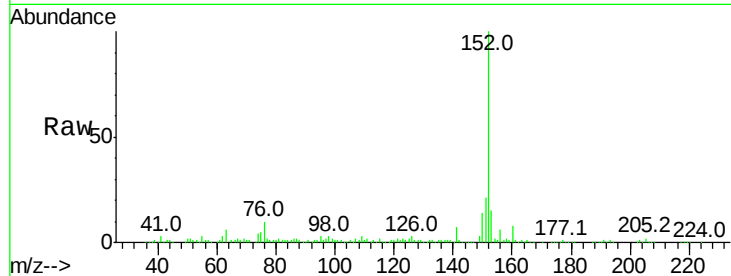
ClientSampleId :

B0EA2

Tot Ion:	152	Resp:	271899
Ion Ratio	Lower	Upper	
152	100		
151	21.2	15.2	22.8
153	14.9	10.2	15.4

Manual Integrations
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#49

Acenaphthene

Concen: 11.249 ng/ul

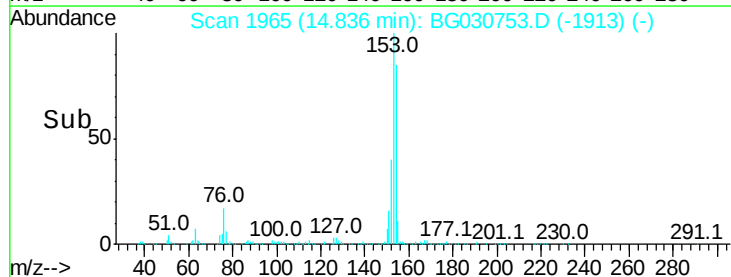
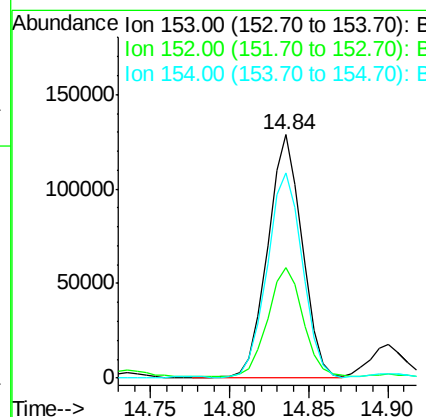
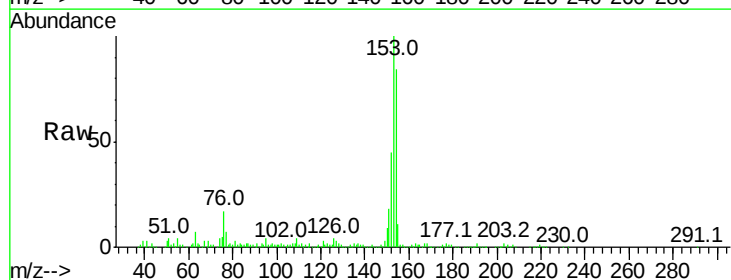
RT: 14.84 min Scan# 1965

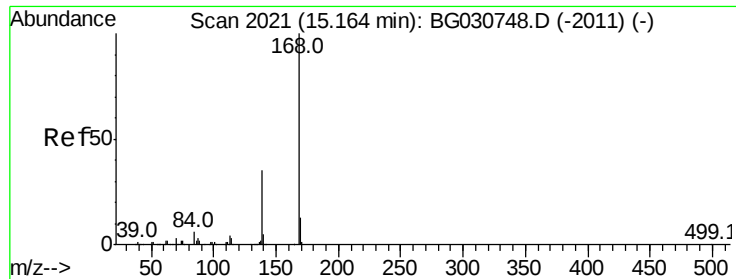
Delta R.T. 0.01 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

Tgt Ion:	153	Resp:	193988
Ion Ratio	Lower	Upper	
153	100		
152	45.5	38.2	57.2
154	84.4	70.6	105.8





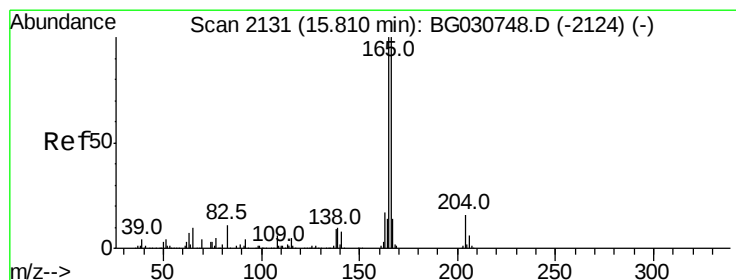
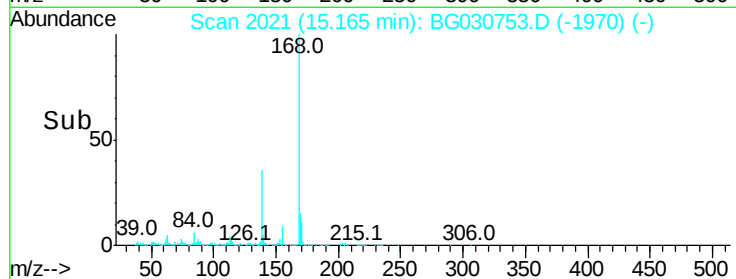
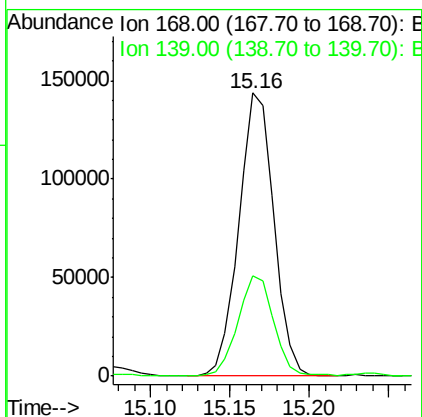
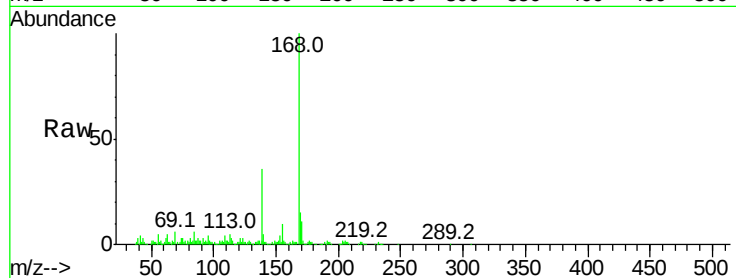
#53
Dibenzo(furan)
Concen: 9.282 ng/ul
RT: 15.16 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BG030753.D
Acq: 6 Nov 2017 00:22

Instrument :
BNA_G
ClientSampleId :
B0EA2

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.6	31.4	47.2

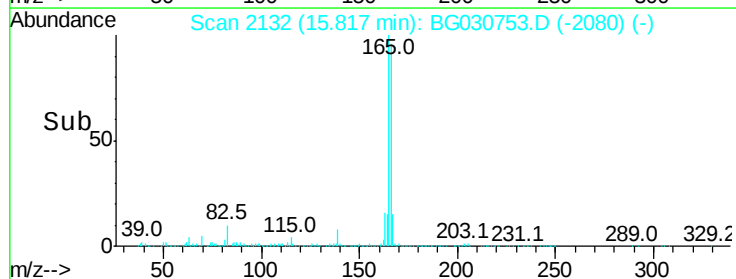
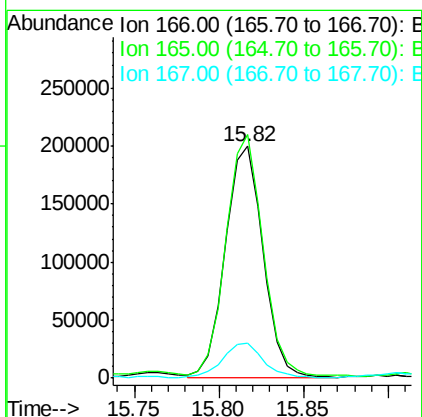
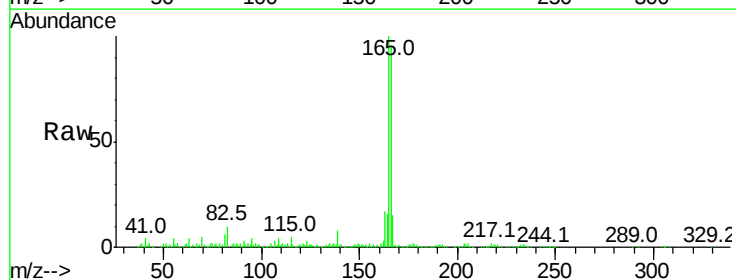
Manual Integrations
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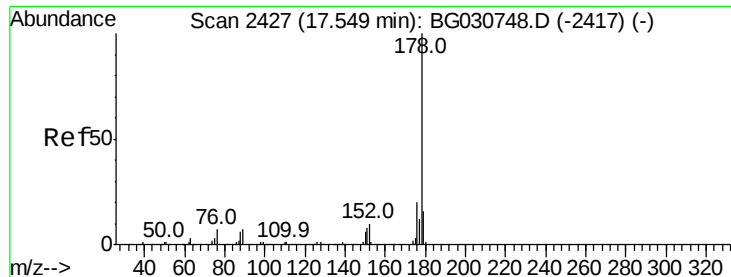
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#58
Fluorene
Concen: 16.373 ng/ul
RT: 15.82 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BG030753.D
Acq: 6 Nov 2017 00:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.0	79.9	119.9
167	15.4	10.6	16.0





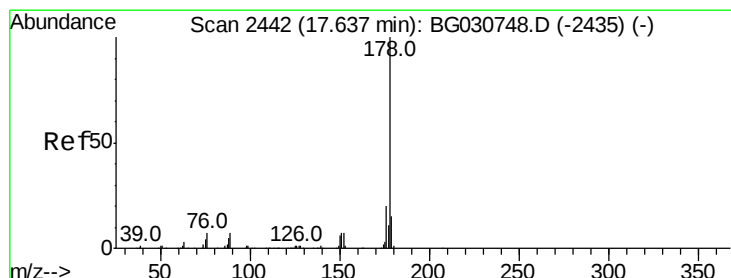
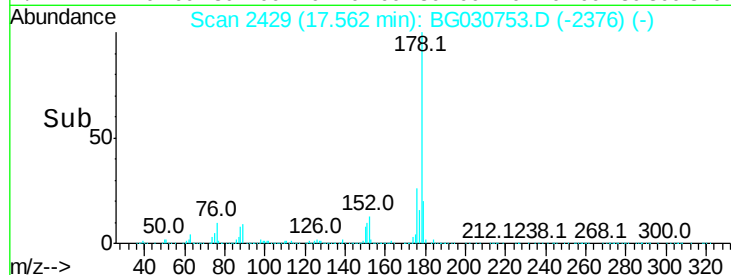
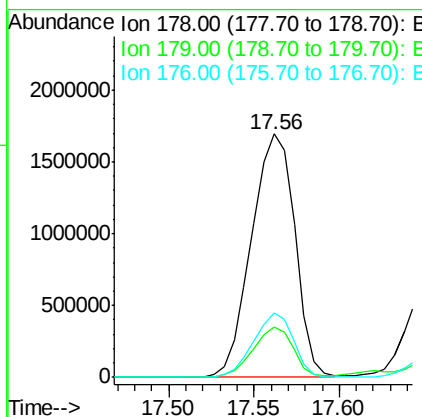
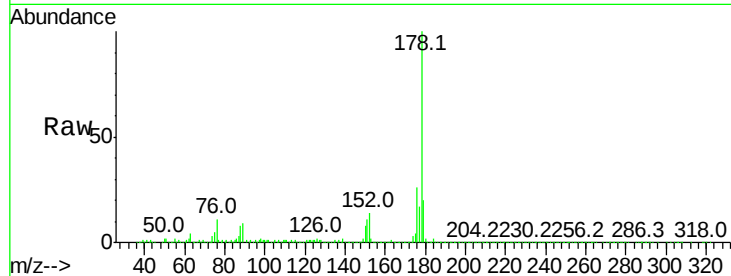
#69
Phenanthrene
Concen: 108.690 ng/ul m
RT: 17.56 min Scan# 2429
Delta R.T. 0.01 min
Lab File: BG030753.D
Acq: 6 Nov 2017 00:22

Instrument :
BNA_G
ClientSampleId :
B0EA2

Tot Ion	Ratio	Lower	Upper
178	100		
179	20.5	13.0	19.6#
176	26.3	15.3	22.9#

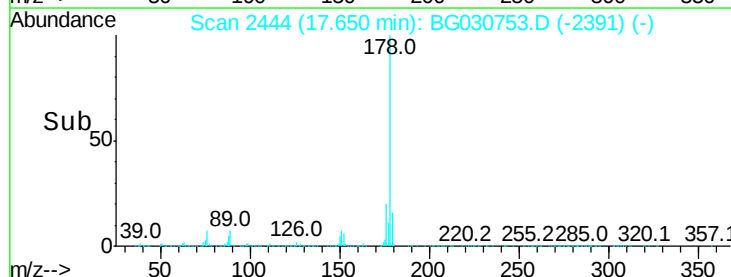
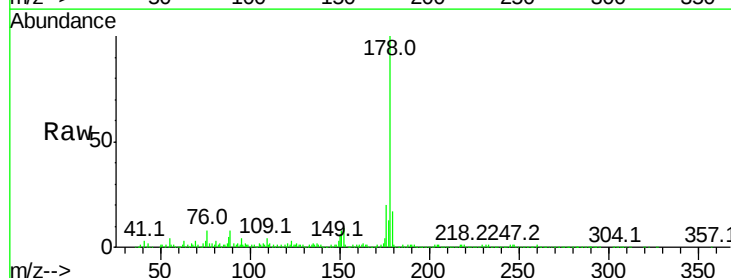
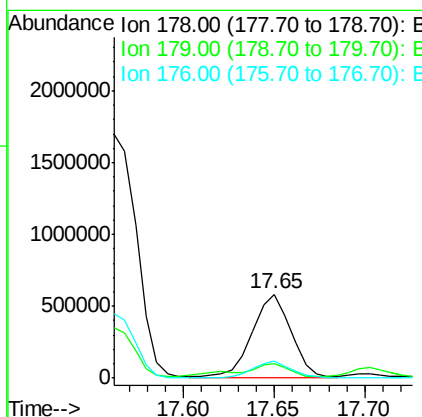
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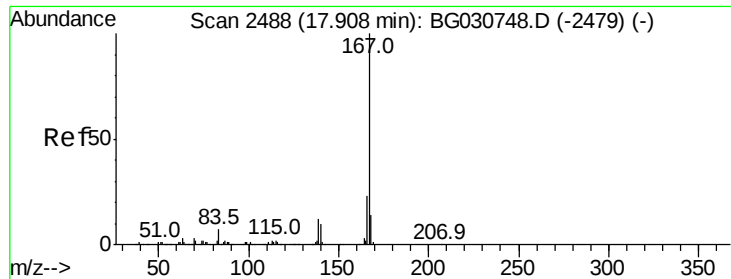
Sohil
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#71
Anthracene
Concen: 30.357 ng/ul
RT: 17.65 min Scan# 2444
Delta R.T. 0.01 min
Lab File: BG030753.D
Acq: 6 Nov 2017 00:22

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.8	13.2	19.8
176	20.4	16.0	24.0





#72

Carbazole

Concen: 18.774 ng/ul

RT: 17.91 min Scan# 2489

Delta R.T. 0.01 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

Instrument :

BNA_G

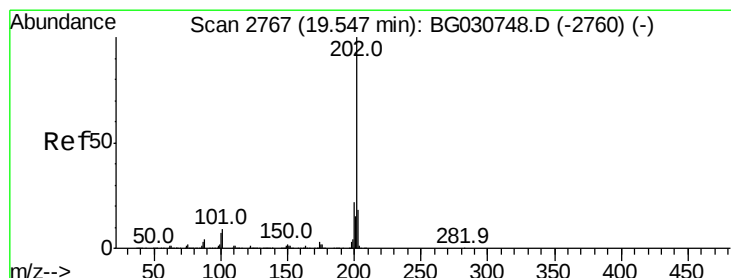
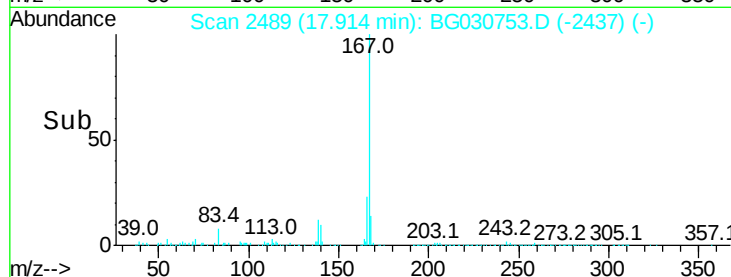
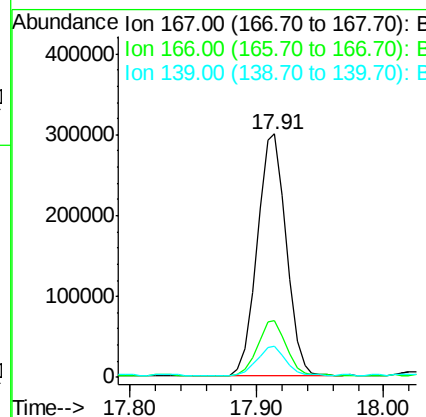
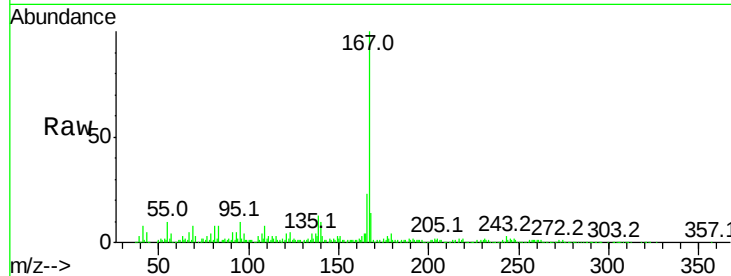
ClientSampleId :

B0EA2

Tot Ion:	167	Resp:	479093
Ion Ratio	Lower	Upper	
167	100		
166	23.1	18.6	28.0
139	12.6	10.6	16.0

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#74

Fluoranthene

Concen: 122.040 ng/ul m

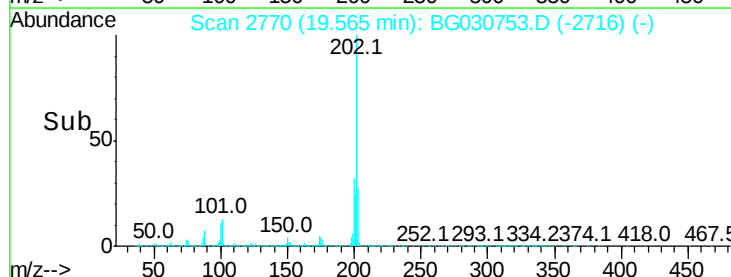
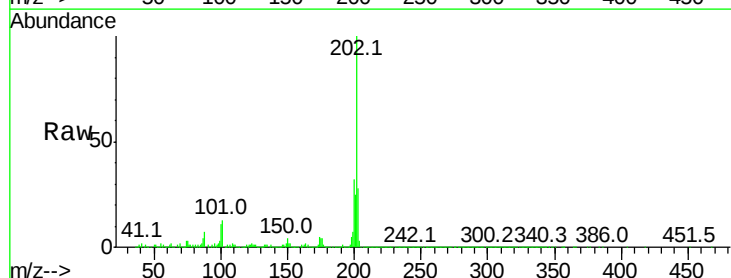
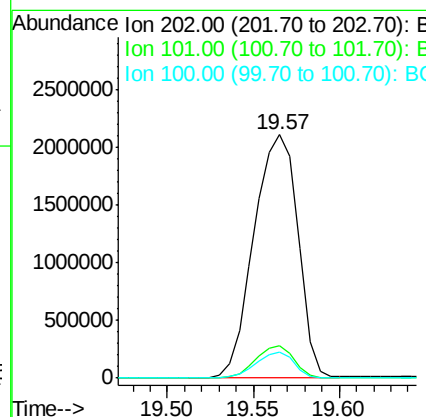
RT: 19.57 min Scan# 2770

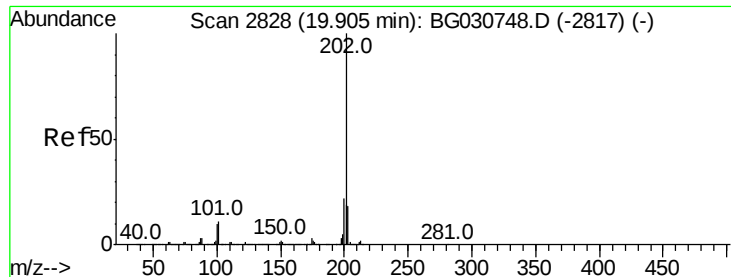
Delta R.T. 0.02 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

Tgt Ion:	202	Resp:	3752902
Ion Ratio	Lower	Upper	
202	100		
101	13.3	7.4	11.2#
100	10.6	5.6	8.4#





#77

Pvrene

Concen: 94.476 ng/ul

RT: 19.92 min Scan# 2831

Delta R.T. 0.02 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

Instrument :

BNA_G

ClientSampled :

B0EA2

Tot Ion:202 Resp: 3380449

Ion Ratio Lower Upper

202 100

101 14.7 8.4 12.6#

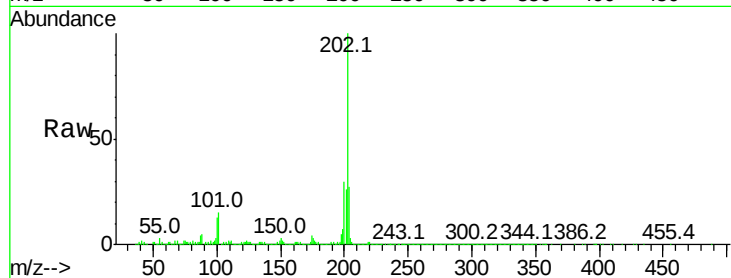
100 12.6 7.0 10.6#

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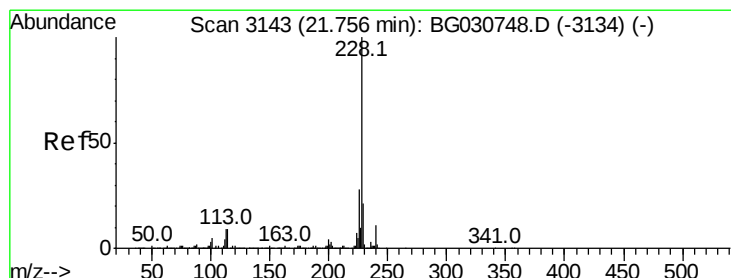
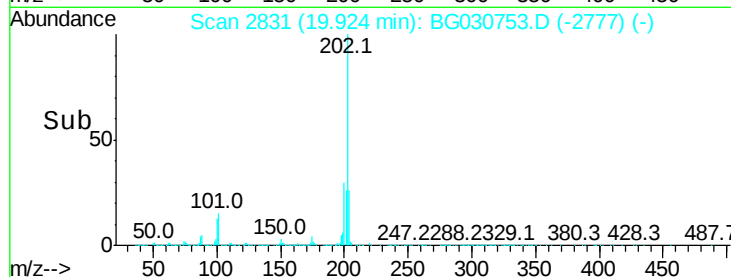
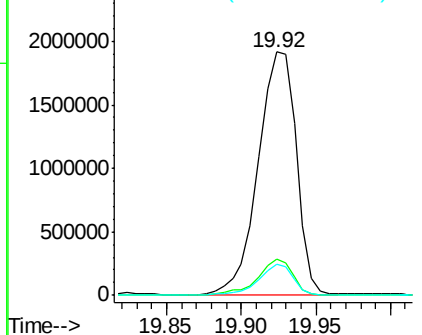
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#80

Benzo(a)anthracene

Concen: 72.004 ng/ul

RT: 21.78 min Scan# 3147

Delta R.T. 0.02 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

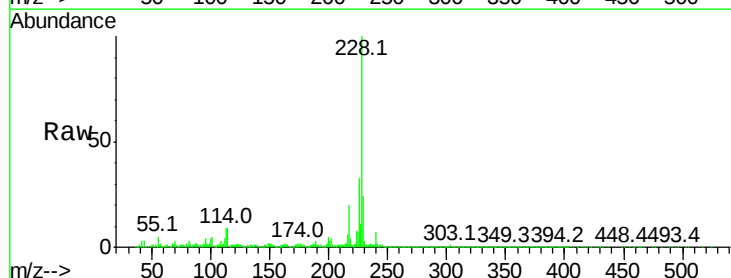
Tgt Ion:228 Resp: 2409134

Ion Ratio Lower Upper

228 100

229 24.3 16.2 24.4

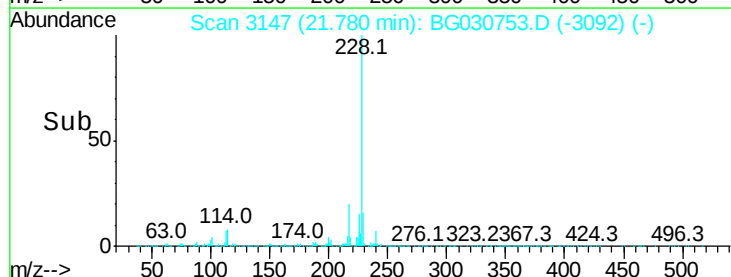
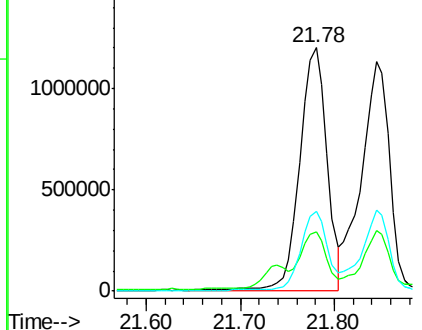
226 32.6 22.2 33.2

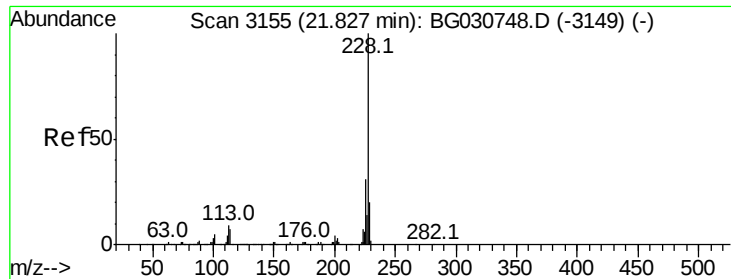


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 76.884 ng/ul

RT: 21.84 min Scan# 3158

Delta R.T. 0.02 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

Instrument :

BNA_G

ClientSampleId :

B0EA2

Tot Ion:228 Resp: 2337319

Ion Ratio Lower Upper

228 100

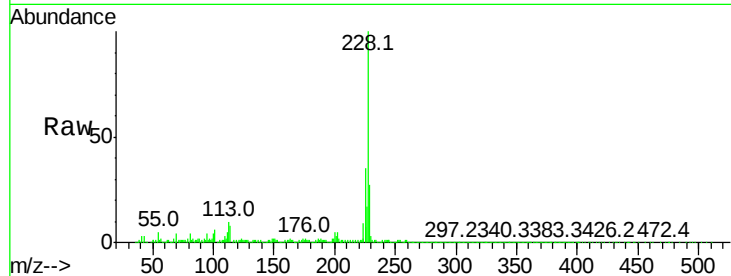
226 35.0 24.2 36.2

229 26.5 15.2 22.8#

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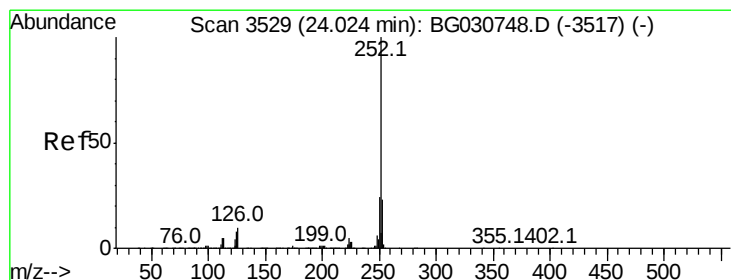
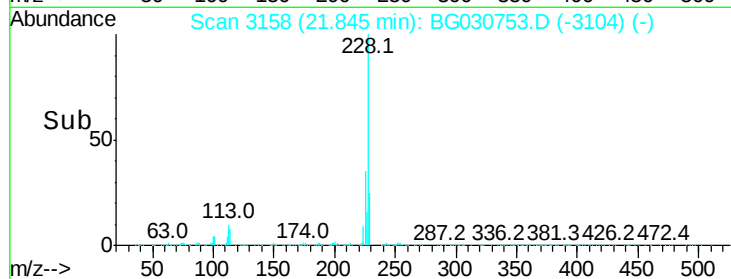
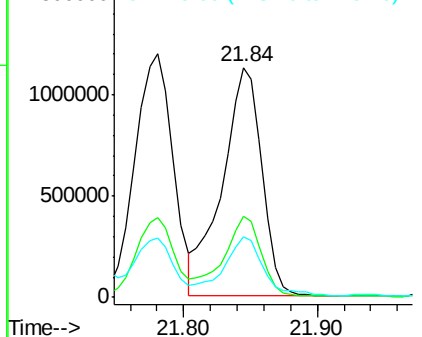
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 89.751 ng/ul m

RT: 24.08 min Scan# 3539

Delta R.T. 0.06 min

Lab File: BG030753.D

Acq: 6 Nov 2017 00:22

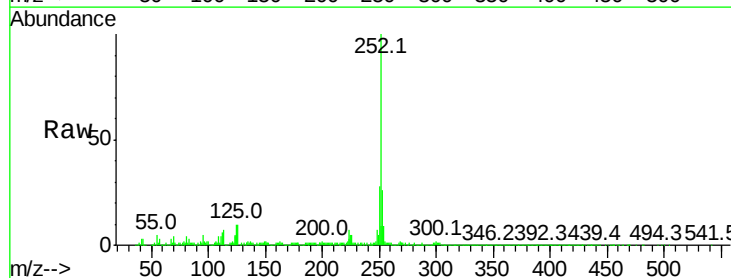
Tgt Ion:252 Resp: 3215893

Ion Ratio Lower Upper

252 100

253 25.8 17.0 25.4#

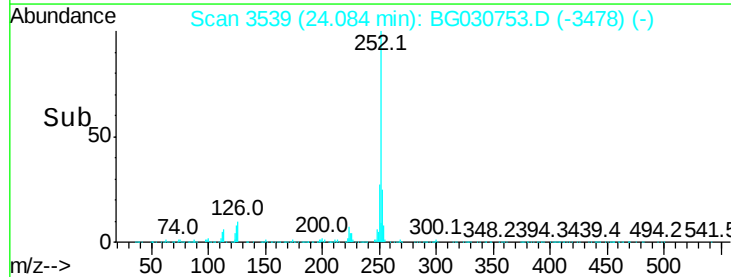
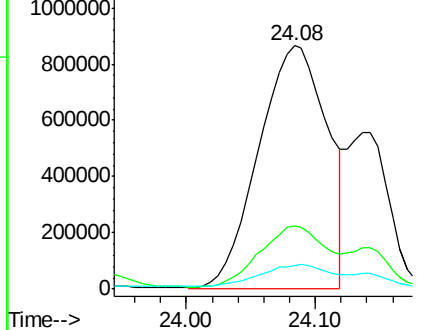
125 9.6 7.5 11.3

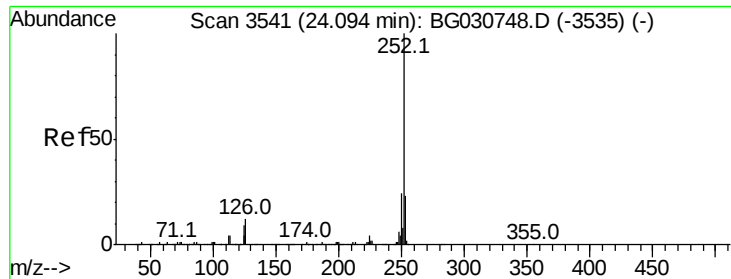


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





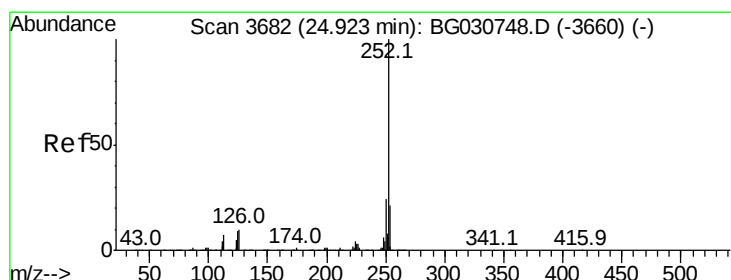
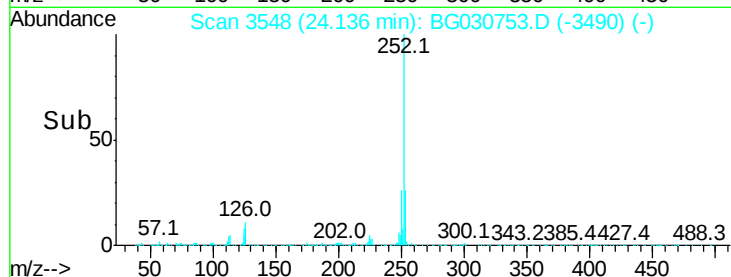
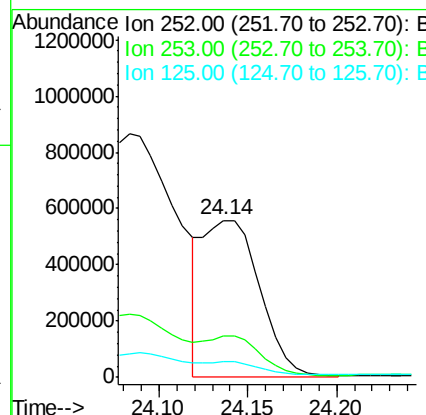
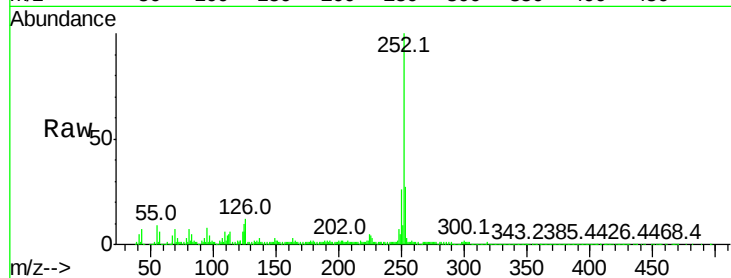
#86
Benzo(k)fluoranthene
Concen: 36.234 ng/ul m
RT: 24.14 min Scan# 3548
Delta R.T. 0.04 min
Lab File: BG030753.D
Acq: 6 Nov 2017 00:22

Instrument :
BNA_G
ClientSampleId :
B0EA2

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.2	25.8#
125	10.0	7.8	11.8

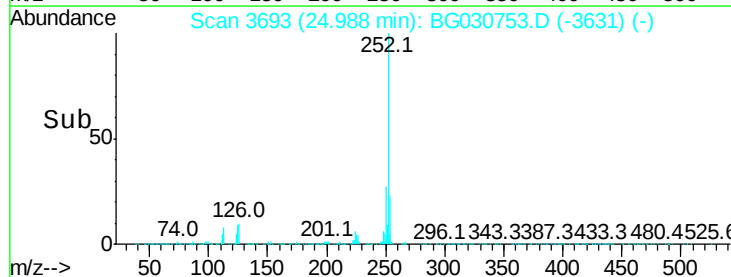
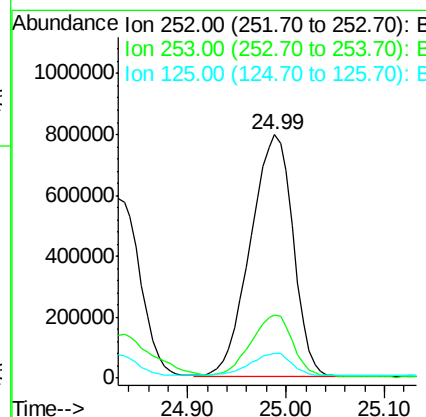
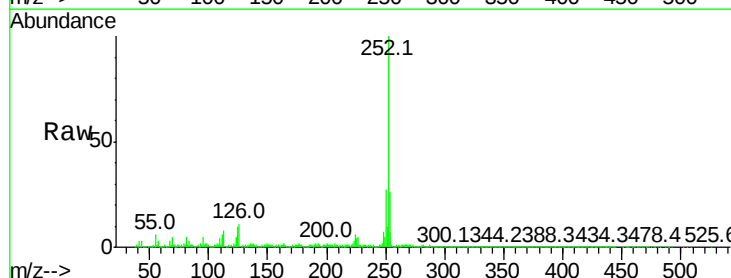
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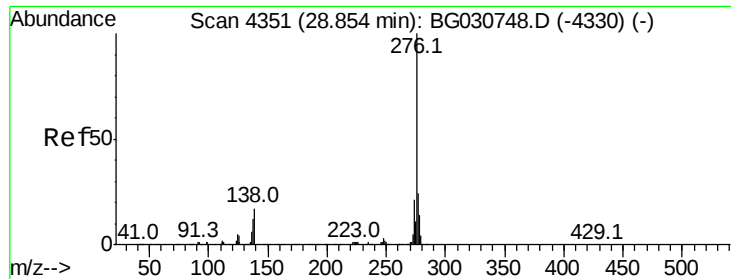
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#88
Benzo(a)pyrene
Concen: 68.923 ng/ul m
RT: 24.99 min Scan# 3693
Delta R.T. 0.07 min
Lab File: BG030753.D
Acq: 6 Nov 2017 00:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.1	25.7#
125	10.2	7.8	11.8





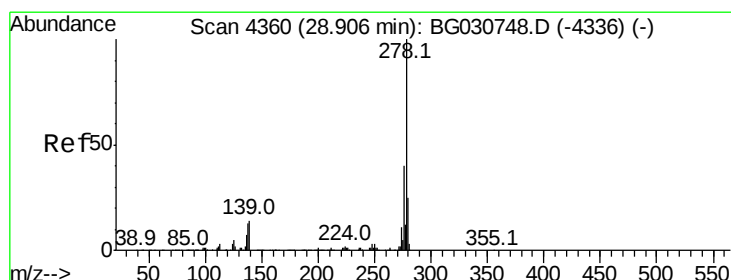
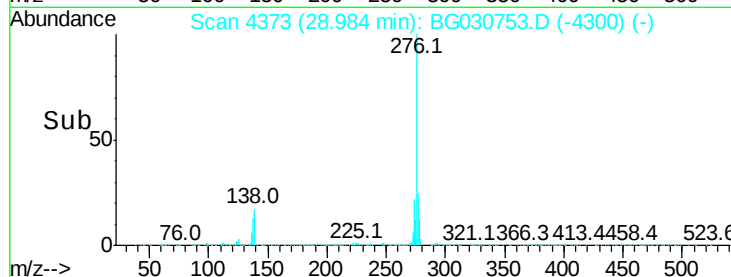
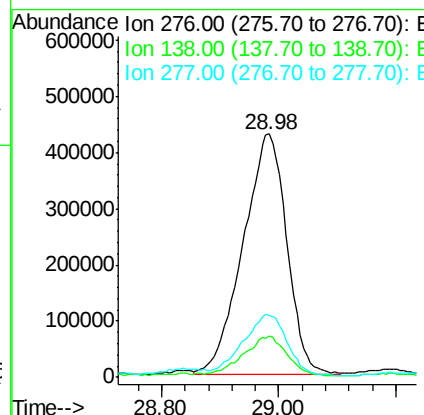
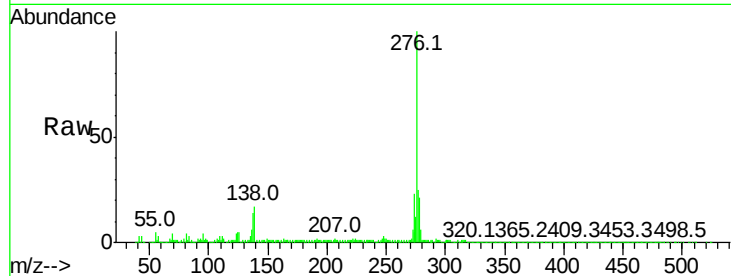
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 56.223 ng/ul m
 RT: 28.98 min Scan# 4373
 Delta R.T. 0.13 min
 Lab File: BG030753.D
 Acq: 6 Nov 2017 00:22

Instrument :
 BNA_G
 ClientSampleId :
 B0EA2

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.9	13.4	20.0
277	25.5	18.6	28.0

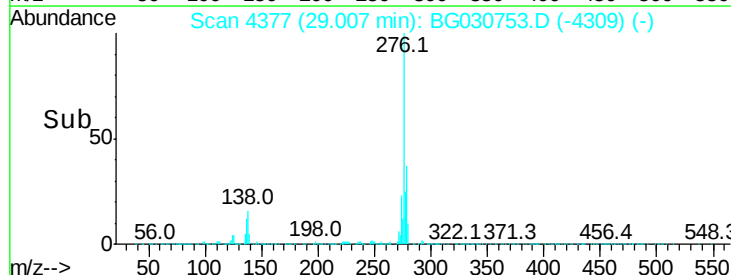
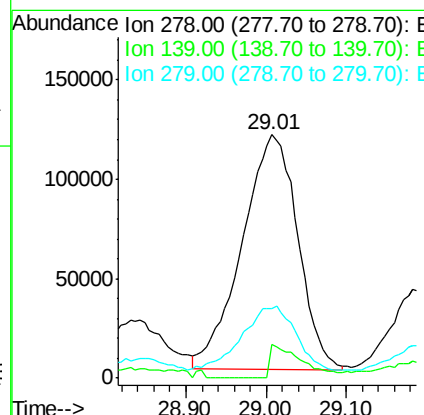
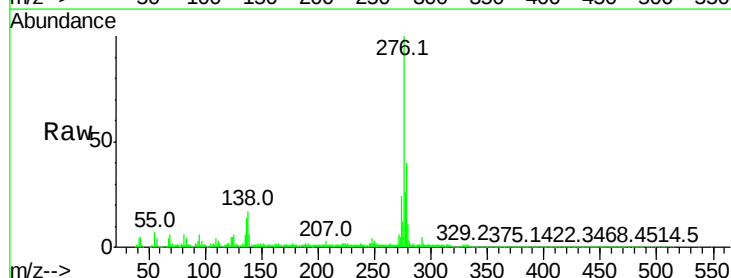
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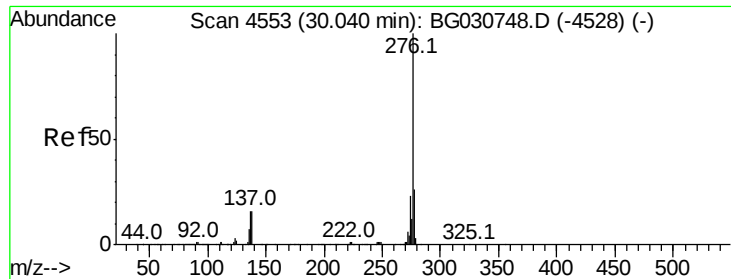
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#90
 Dibenzo(a,h)anthracene
 Concen: 17.433 ng/ul m
 RT: 29.01 min Scan# 4377
 Delta R.T. 0.10 min
 Lab File: BG030753.D
 Acq: 6 Nov 2017 00:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.1	9.4	14.2
279	28.3	18.4	27.6#





#91
 Benzo(a,h,i)perylene
 Concen: 64.901 ng/ul m
 RT: 30.18 min Scan# 4576
 Delta R.T. 0.14 min
 Lab File: BG030753.D
 Acq: 6 Nov 2017 00:22

Instrument :
 BNA_G
 ClientSampleId :
 B0EA2

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.5	12.1	18.1
277	24.7	17.7	26.5

Manual Integrations
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