

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110517\
 Data File : BG030752.D
 Acq On : 5 Nov 2017 23:44
 Operator : SJ/JU
 Sample : I6107-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0E95

Manual Integrations
 APPROVED

Sohil
 11/6/2017 2:19:35 PM

Quant Time: Nov 06 02:40:14 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	8.15	152	78542	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	373256	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	248733	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	594278	20.00	ng/ul	0.00
75) Chrysene-d12	21.79	240	612630	20.00	ng/ul	0.00
83) Perylene-d12	25.11	264	676918m	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	8113	4.20	ng/uL	0.00
5) Phenol-d5	7.31	99	168915	22.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	94592	20.05	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	137896	25.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	135742	22.29	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	66727	24.90	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	80478	29.31	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.58	165	150418	24.04	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	101156	13.92	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	491258	23.10	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	635234	24.56	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	73638	18.76	ng/ul	0.00
57) Fluorene-d10	15.75	176	478478	27.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	60763	20.95	ng/ul	0.00
70) Anthracene-d10	17.61	188	734603	26.14	ng/ul	0.00
76) Pyrene-d10	19.89	212	807118	25.45	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.89	264	843150m	26.30	ng/ul	0.03

Target Compounds

					Ovalue	
6) Phenol	7.34	94	33850	4.340	ng/ul#	86
28) Naphthalene	11.02	128	139996	7.088	ng/ul	98
34) 2-Methylnaphthalene	12.61	142	61130	3.739	ng/ul	95
40) 1,1'-Biphenyl	13.60	154	23159	1.129	ng/ul	92
44) Dimethylphthalate	14.21	163	388212	18.717	ng/ul	98
47) Acenaphthylene	14.50	152	232102	8.798	ng/ul	96
49) Acenaphthene	14.83	153	165337	9.161	ng/ul	96
53) Dibenzofuran	15.17	168	201817	8.179	ng/ul	94
58) Fluorene	15.81	166	277474	14.096	ng/ul	98
69) Phenanthrene	17.56	178	3224830m	100.381	ng/ul	
71) Anthracene	17.65	178	898290	27.101	ng/ul	99
72) Carbazole	17.91	167	555422	18.641	ng/ul	98
74) Fluoranthene	19.56	202	4237175m	118.014	ng/ul	
77) Pyrene	19.92	202	3850296	93.775	ng/ul#	87
80) Benzo(a)anthracene	21.77	228	2897350	75.465	ng/ul#	88
82) Chrysene	21.84	228	2709045	77.657	ng/ul#	87
85) Benzo(b)fluoranthene	24.07	252	3899866m	95.967	ng/ul	
86) Benzo(k)fluoranthene	24.12	252	1483080m	37.746	ng/ul	
88) Benzo(a)pyrene	24.97	252	2849415	72.034	ng/ul	93
89) Indeno(1,2,3-cd)pyrene	28.93	276	2524873m	56.417	ng/ul	
90) Dibenz(a,h)anthracene	28.96	278	676289m	18.191	ng/ul	
91) Benzo(a,h,i)perylene	30.13	276	2267593m	61.126	ng/ul	

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Quant Time: Nov 06 02:40:14 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

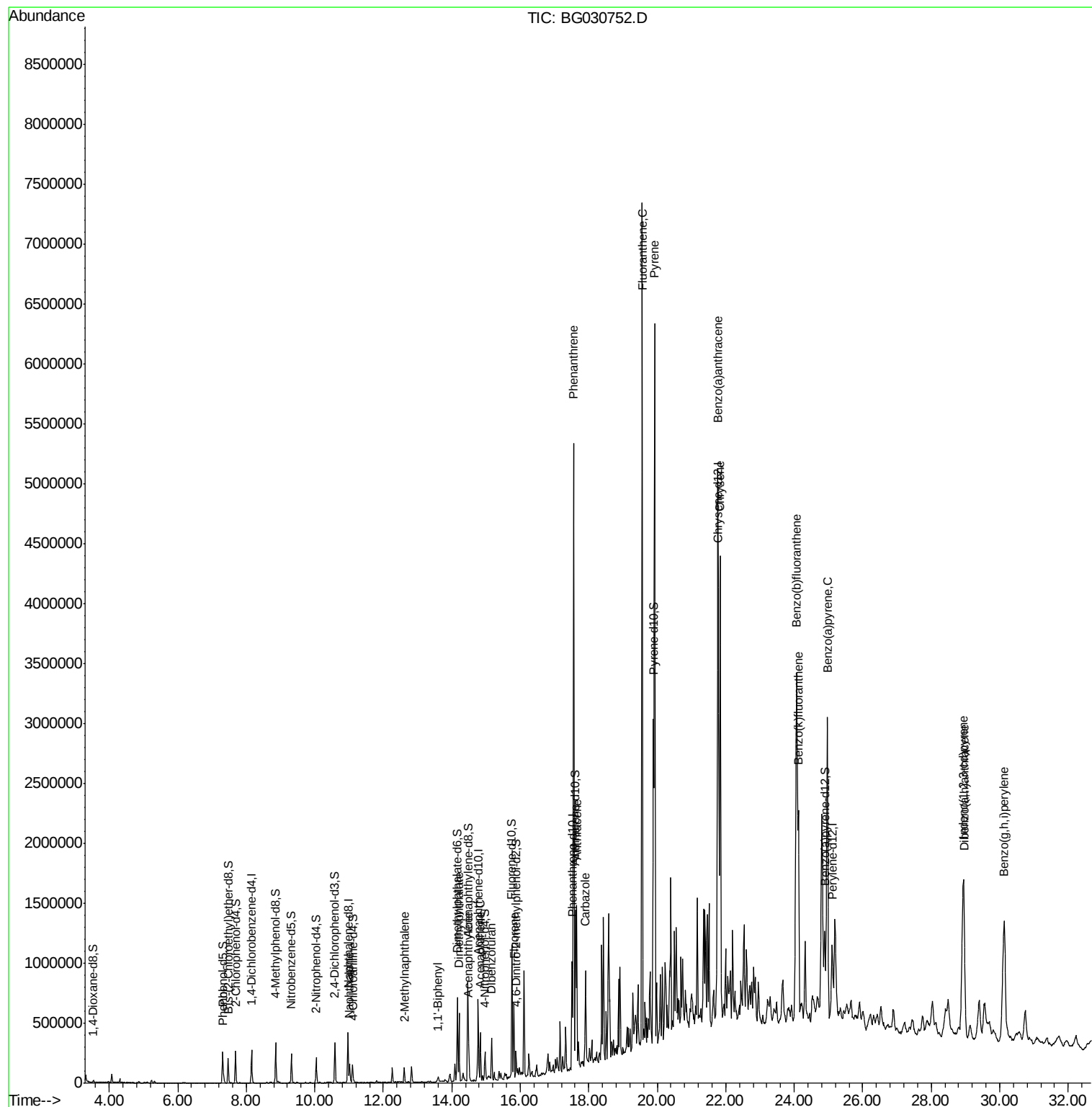
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Data File : BG030752.D
Acq On : 5 Nov 2017 23:44
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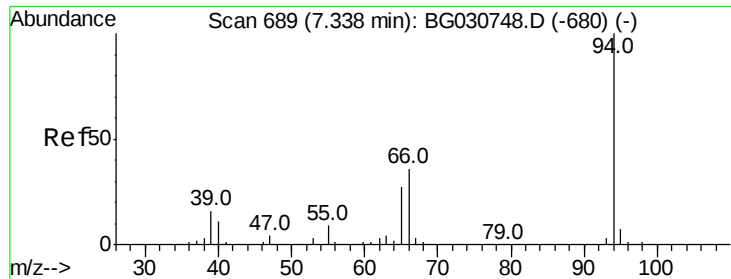
Instrument :
BNA_G
ClientSampled :
B0E95

Manual Integrations
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11/6/2017 2:19:35 PM

Quant Time: Nov 06 02:40:14 2017
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#6

Phenol

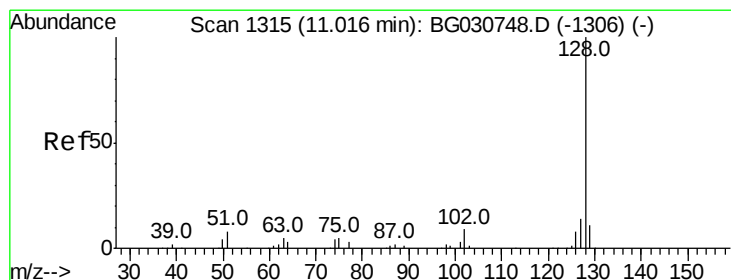
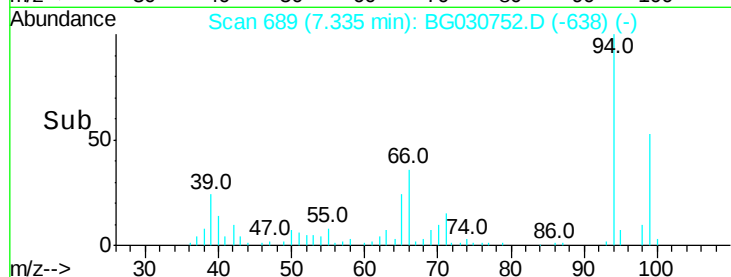
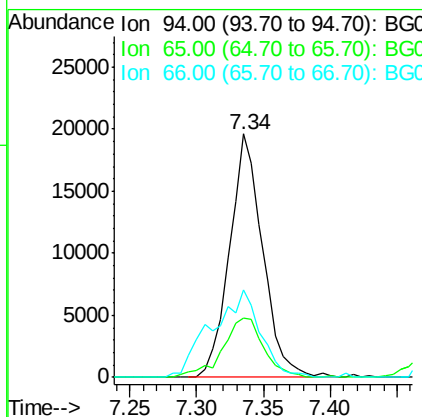
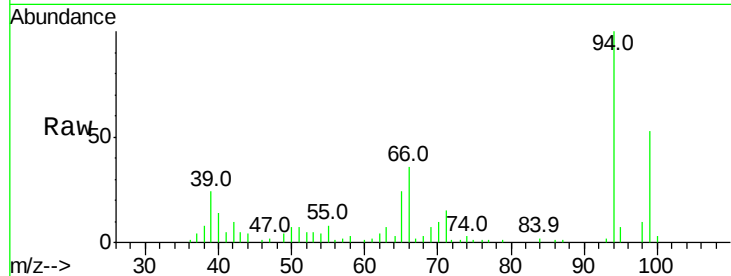
Concen: 4.340 ng/ul
 RT: 7.34 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: BG030752.D
 Acq: 5 Nov 2017 23:44

Instrument :
 BNA_G
 ClientSampled :
 B0E95

Tot Ion	Ratio	Lower	Upper
94	100		
65	24.1	27.1	40.7#
66	36.0	34.6	52.0

Manual Integrations
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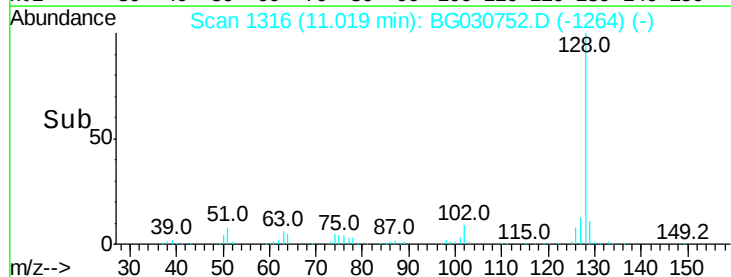
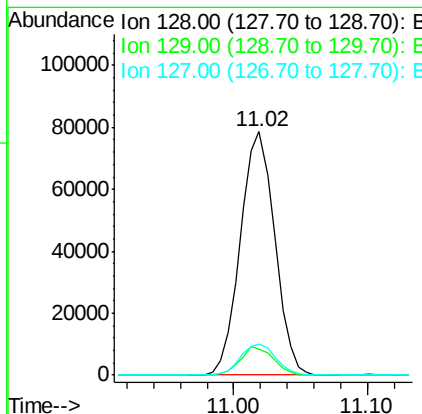
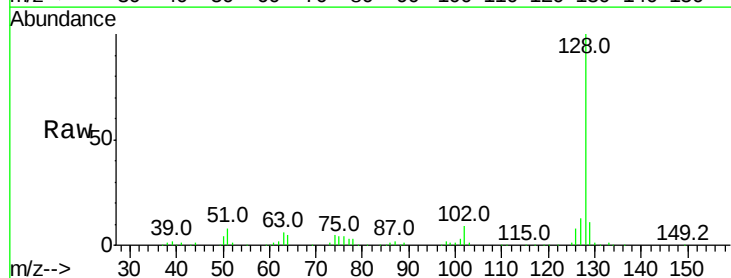


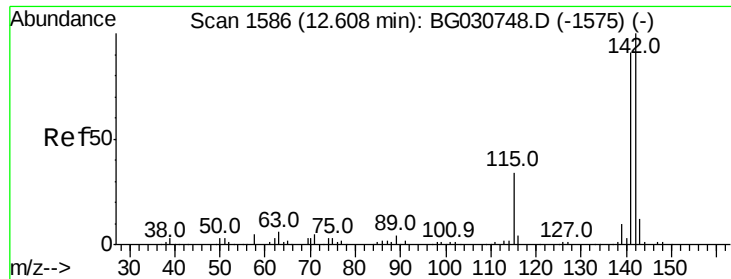
#28

Naphthalene

Concen: 7.088 ng/ul
 RT: 11.02 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: BG030752.D
 Acq: 5 Nov 2017 23:44

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.3	13.9
127	12.8	10.7	16.1





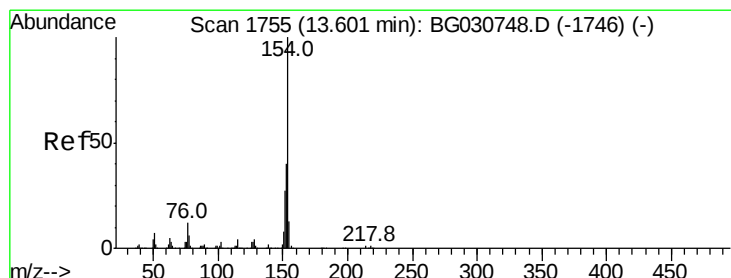
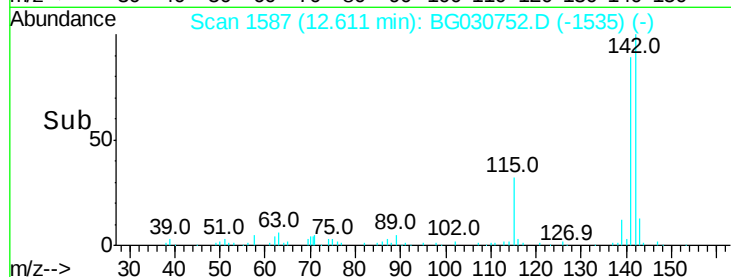
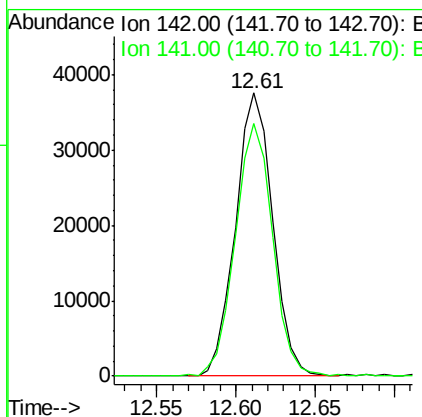
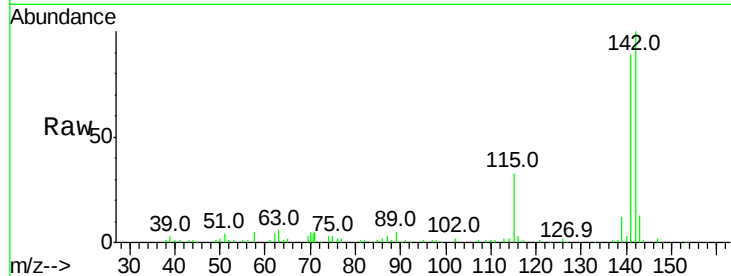
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 2-Methylnaphthalene
 Concen: 3.739 ng/ul
 RT: 12.61 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: BG030752.D
 Acq: 5 Nov 2017 23:44

Instrument :
 BNA_G
 ClientSampleId :
 B0E95

Tot Ion:142 Resp: 61130
 Ion Ratio Lower Upper
 142 100
 141 89.1 75.4 113.0

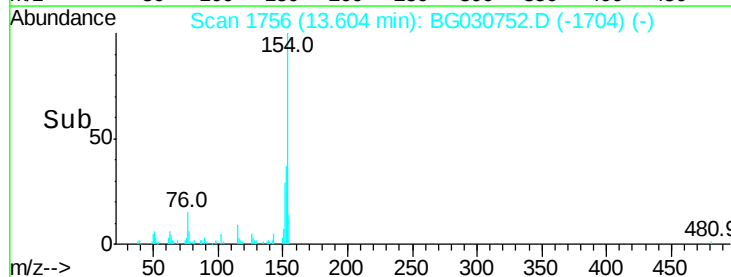
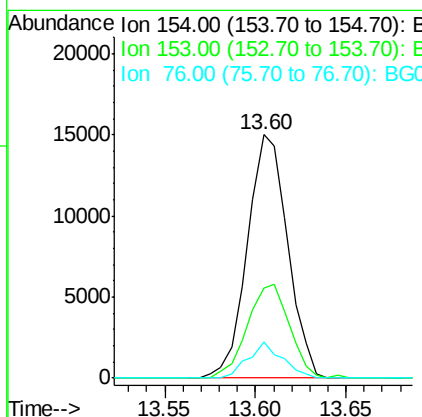
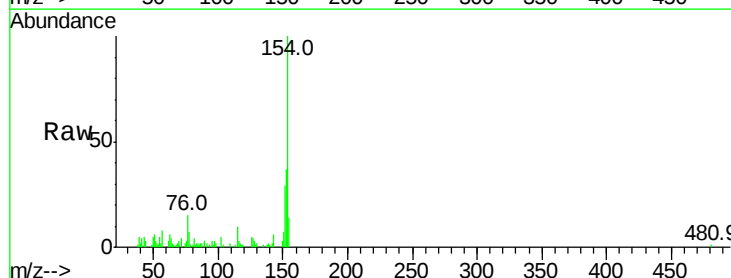
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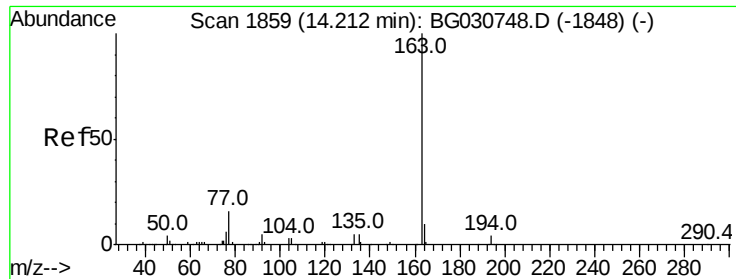
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#40
 1,1'-Biphenyl
 Concen: 1.129 ng/ul
 RT: 13.60 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: BG030752.D
 Acq: 5 Nov 2017 23:44

Tgt Ion:154 Resp: 23159
 Ion Ratio Lower Upper
 154 100
 153 37.1 34.6 52.0
 76 15.1 10.6 15.8





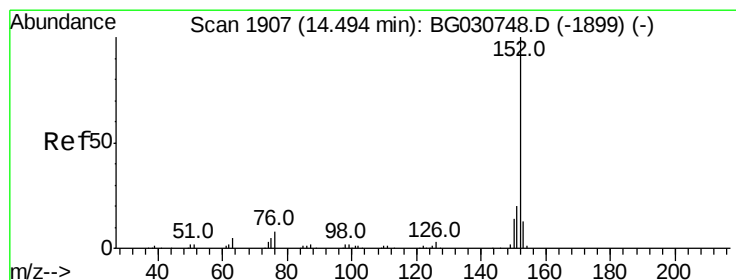
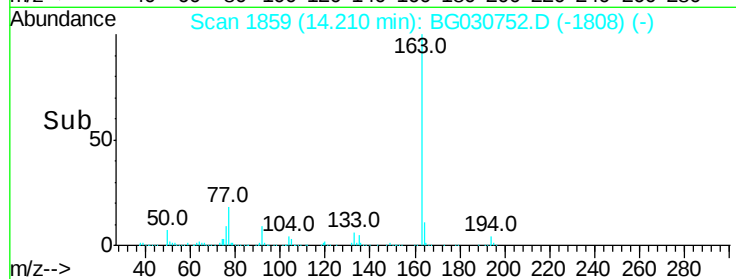
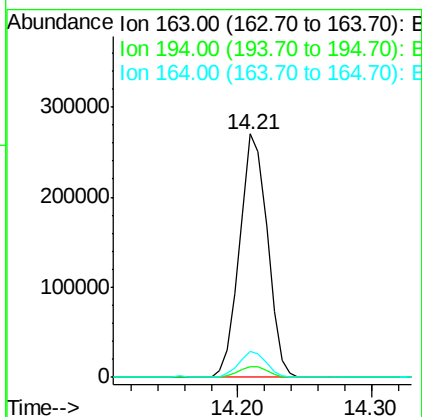
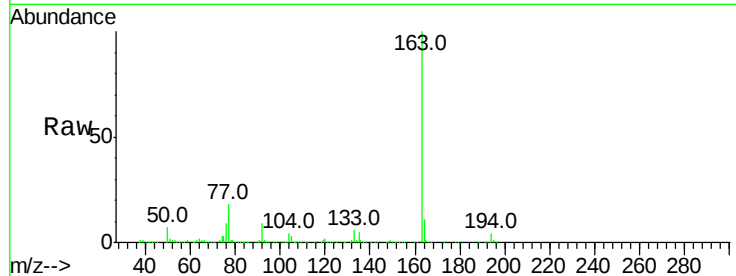
#44
Dimethylphthalate
Concen: 18.717 ng/ul
RT: 14.21 min Scan# 1859
Delta R.T. -0.00 min
Lab File: BG030752.D
Acq: 5 Nov 2017 23:44

Instrument :
BNA_G
ClientSampleId :
B0E95

Tot Ion	Ratio	Resp	Lower	Upper
163	100	388212		
194	4.4		3.5	5.3
164	10.8		7.6	11.4

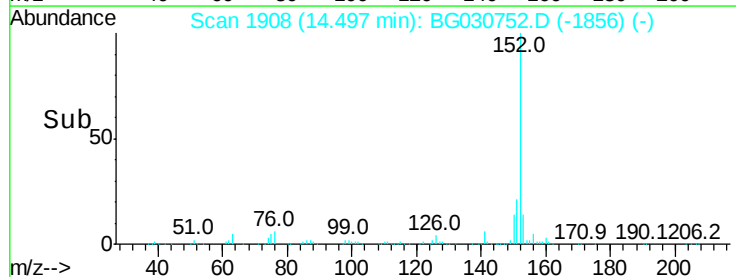
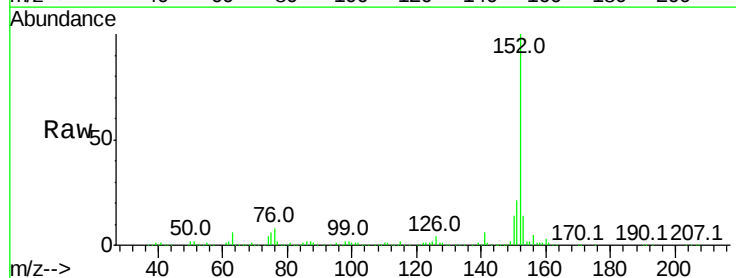
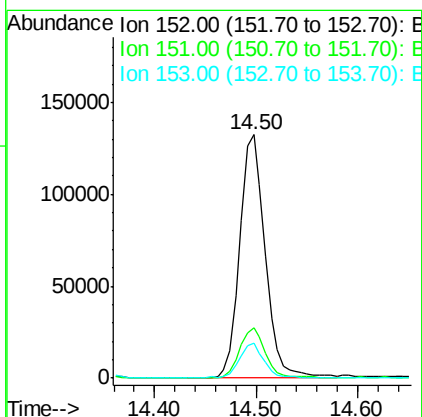
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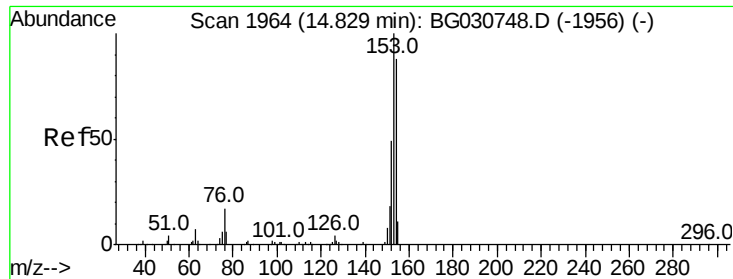
Sohil
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#47
Acenaphthylene
Concen: 8.798 ng/ul
RT: 14.50 min Scan# 1908
Delta R.T. 0.00 min
Lab File: BG030752.D
Acq: 5 Nov 2017 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	232102		
151	20.8		15.2	22.8
153	14.3		10.2	15.4





#49

Acenaphthene

Concen: 9.161 ng/ul

RT: 14.83 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

Instrument :

BNA_G

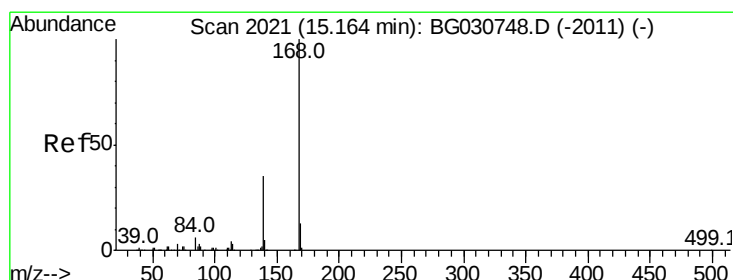
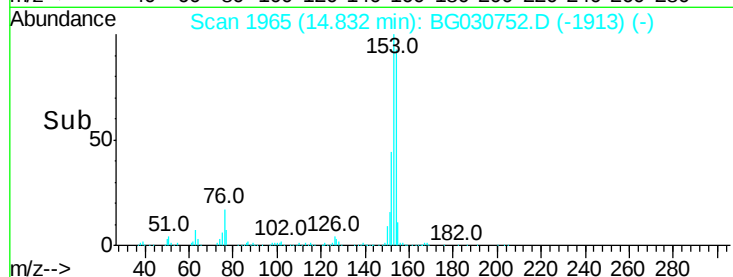
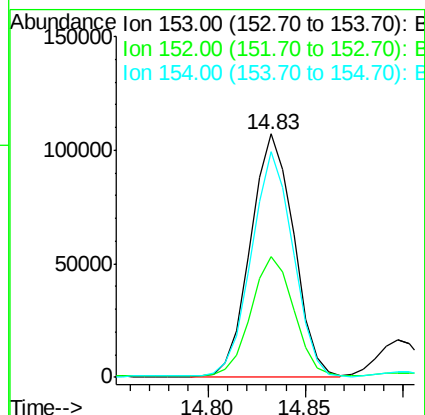
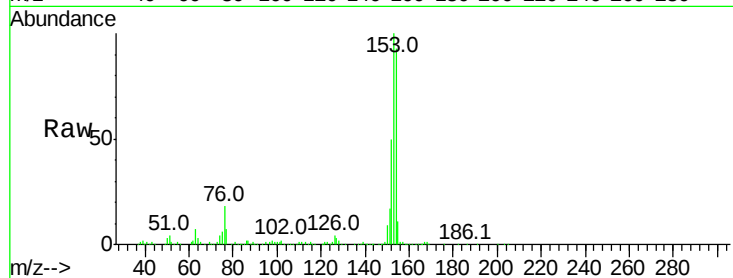
ClientSampled :

B0E95

Tot Ion:	153	Resp:	165337
Ion Ratio	Lower	Upper	
153	100		
152	49.5	38.2	57.2
154	92.6	70.6	105.8

Manual Integrations
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#53

Dibenzofuran

Concen: 8.179 ng/ul

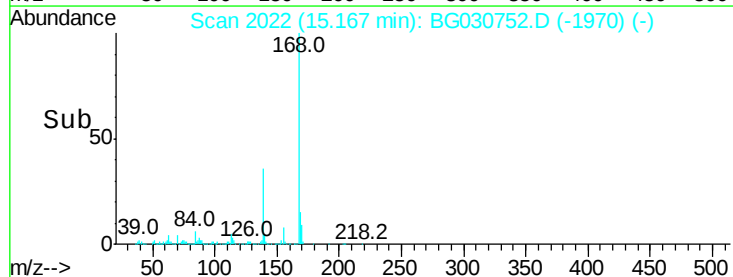
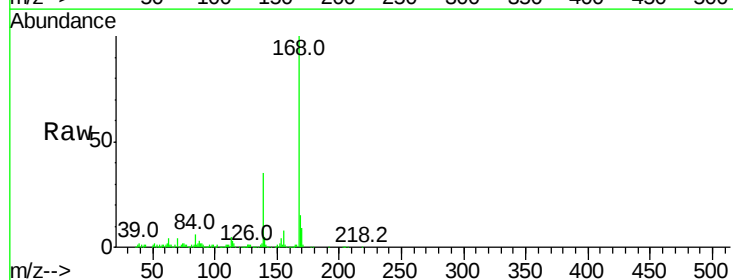
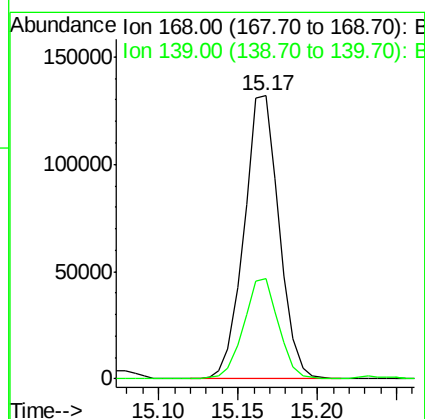
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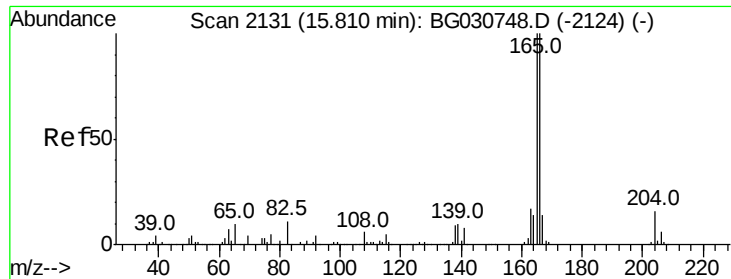
Delta R.T. 0.00 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

Tgt Ion:	168	Resp:	201817
Ion Ratio	Lower	Upper	
168	100		
139	35.5	31.4	47.2





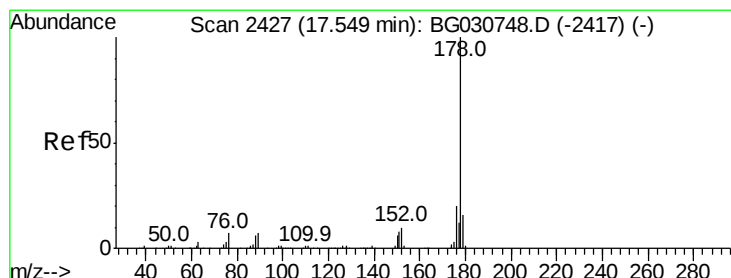
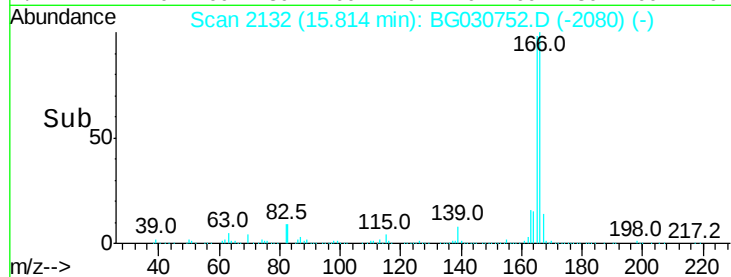
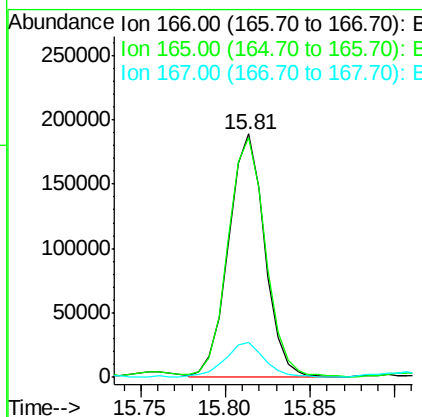
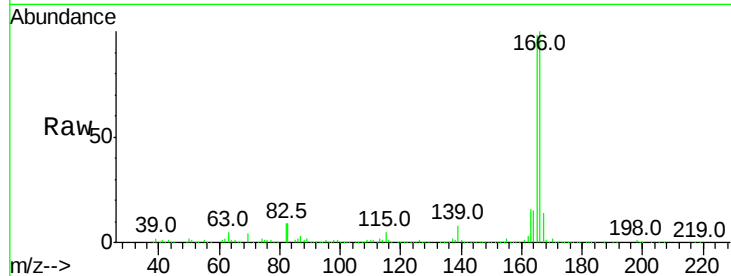
#58
Fluorene
 Concen: 14.096 ng/ul
 RT: 15.81 min Scan# 2132
 Delta R.T. 0.00 min
 Lab File: BG030752.D
 Acq: 5 Nov 2017 23:44

Instrument :
 BNA_G
 ClientSampled :
 B0E95

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.9	119.9
167	14.5	10.6	16.0

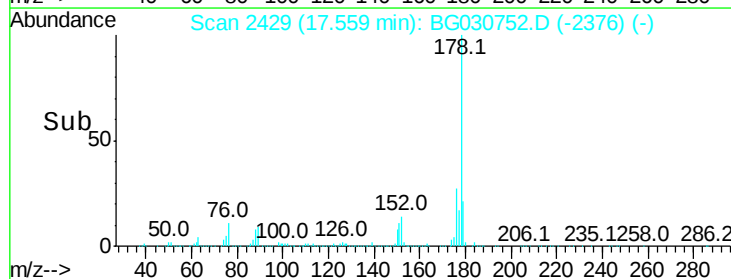
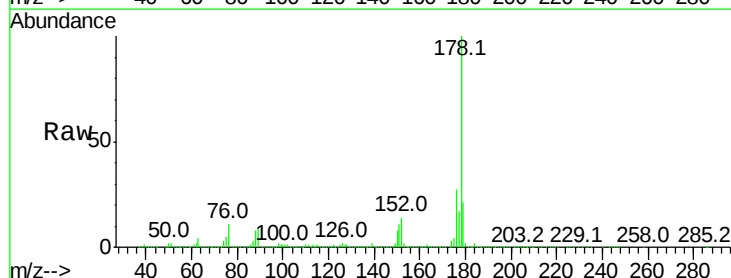
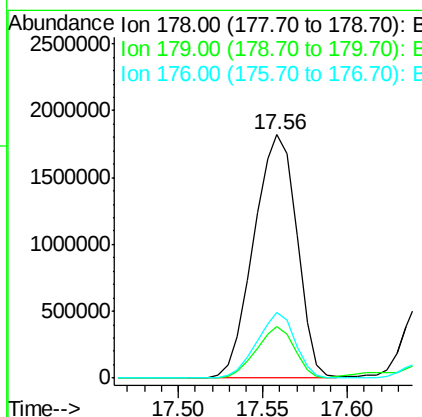
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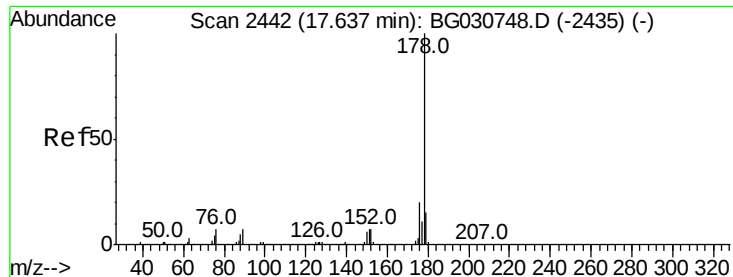
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#69
Phenanthrene
 Concen: 100.381 ng/ul m
 RT: 17.56 min Scan# 2429
 Delta R.T. 0.01 min
 Lab File: BG030752.D
 Acq: 5 Nov 2017 23:44

Tgt Ion	Ratio	Lower	Upper
178	100		
179	21.1	13.0	19.6#
176	26.9	15.3	22.9#





#71

Anthracene

Concen: 27.101 ng/ul

RT: 17.65 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

Instrument :

BNA_G

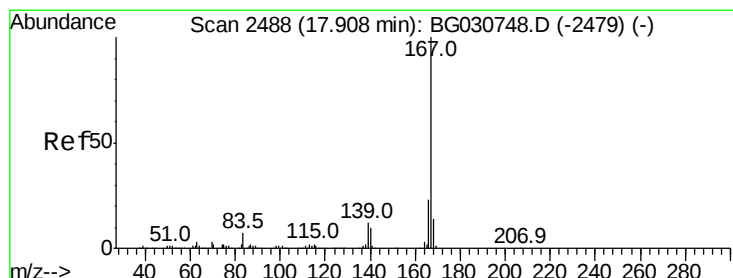
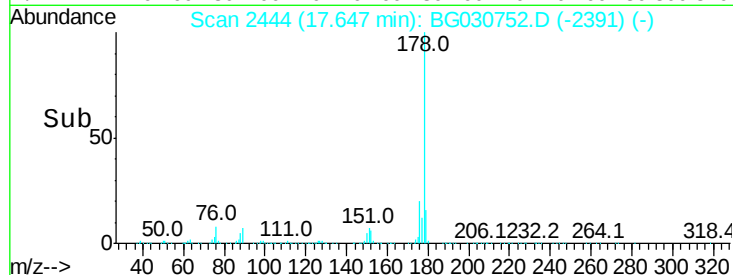
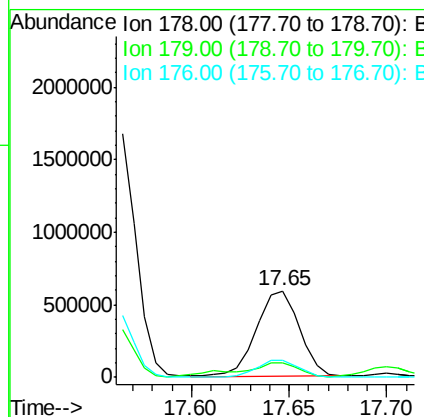
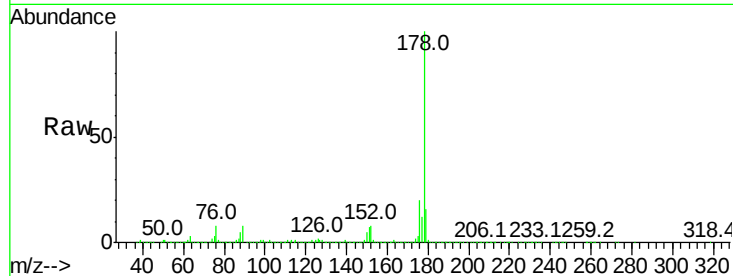
ClientSampled :

B0E95

Tot Ion:178	Resp:	898290
Ion Ratio	Lower	Upper
178	100	
179	16.5	13.2 19.8
176	20.5	16.0 24.0

Manual Integrations
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#72

Carbazole

Concen: 18.641 ng/ul

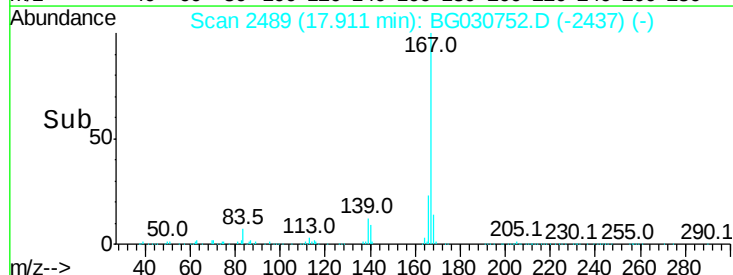
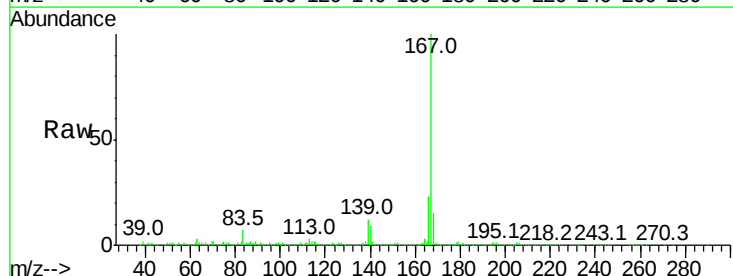
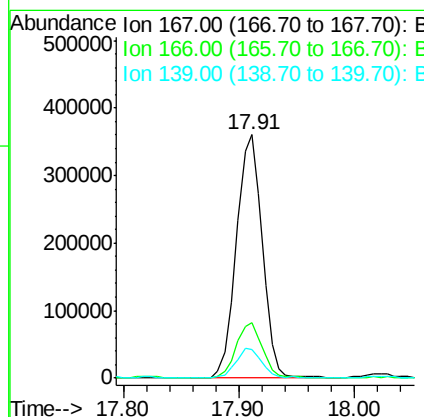
RT: 17.91 min Scan# 2489

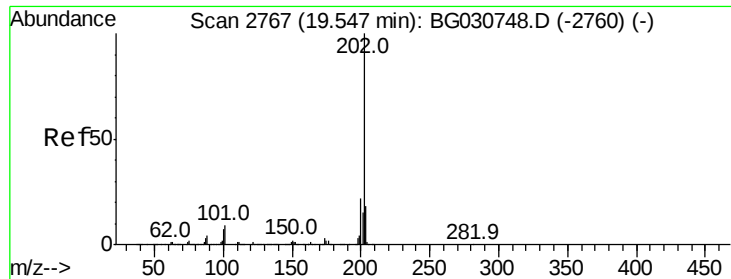
Delta R.T. 0.00 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

Tgt Ion:167	Resp:	555422
Ion Ratio	Lower	Upper
167	100	
166	22.8	18.6 28.0
139	11.9	10.6 16.0





#74

Fluoranthene

Concen: 118.014 ng/ul m

RT: 19.56 min Scan# 2770

Delta R.T. 0.02 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

Instrument :

BNA_G

ClientSampleId :

B0E95

Tot Ion:202 Resp: 4237175

Ion Ratio Lower Upper

202 100

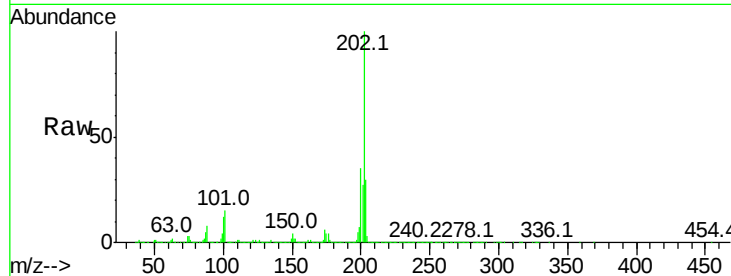
101 14.7 7.4 11.2#

100 11.9 5.6 8.4#

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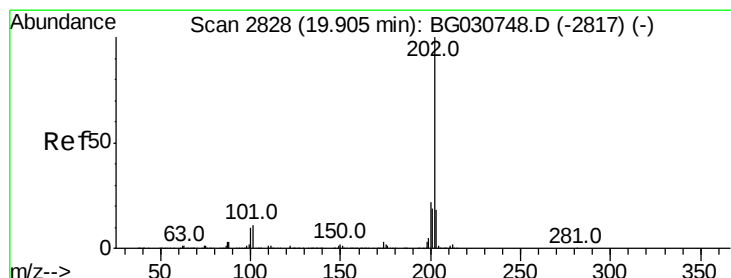
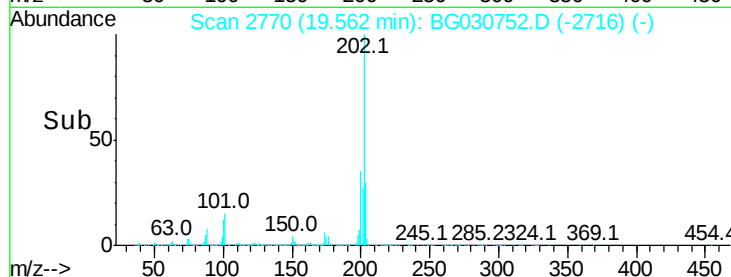
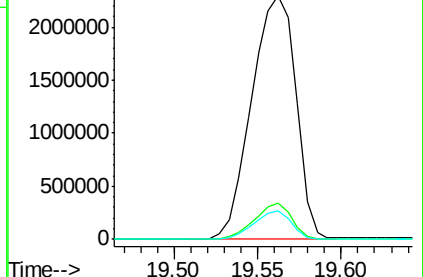
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 93.775 ng/ul

RT: 19.92 min Scan# 2831

Delta R.T. 0.02 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

Tgt Ion:202 Resp: 3850296

Ion Ratio Lower Upper

202 100

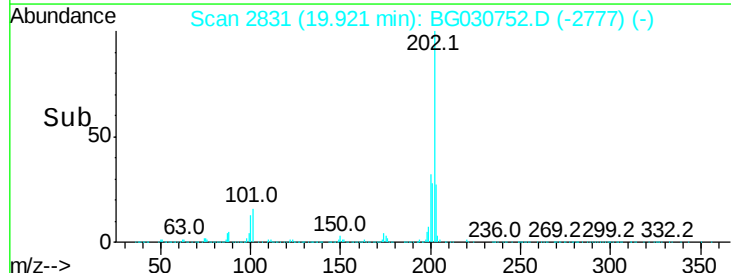
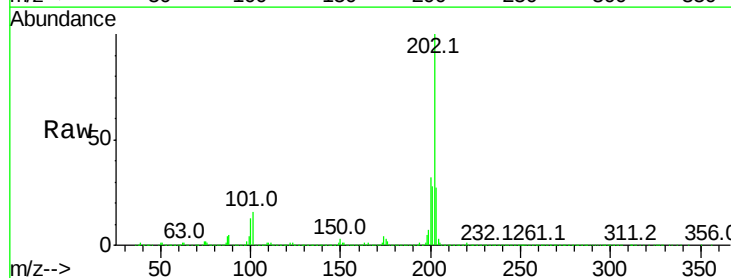
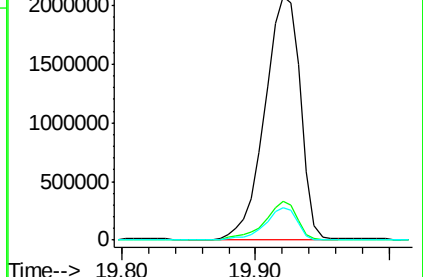
101 15.7 8.4 12.6#

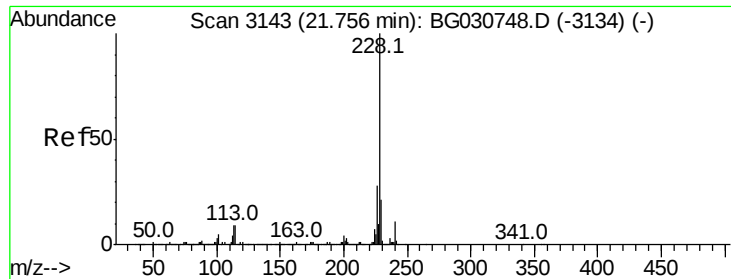
100 13.3 7.0 10.6#

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): B





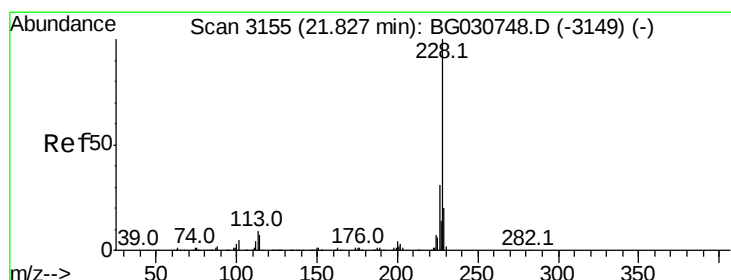
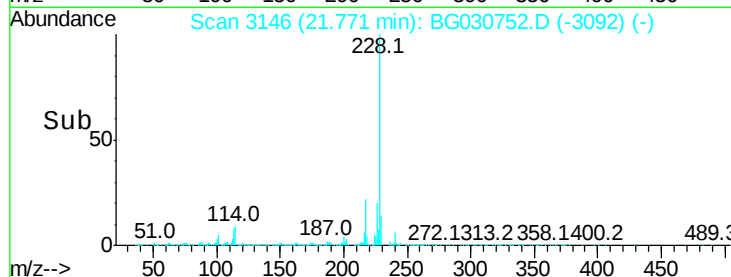
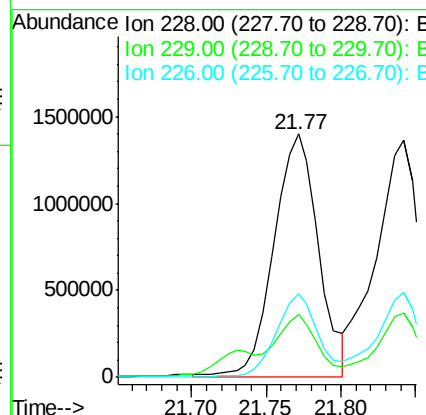
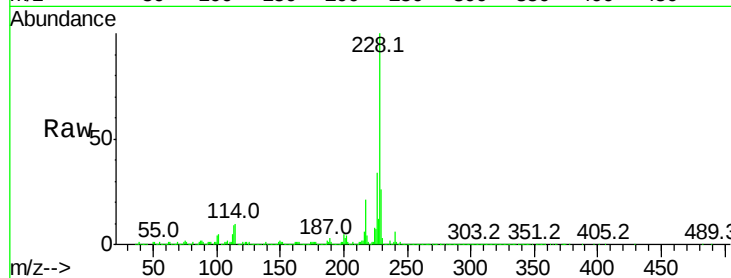
#80
Benzo(a)anthracene
Concen: 75.465 ng/ul
RT: 21.77 min Scan# 3146
Delta R.T. 0.02 min
Lab File: BG030752.D
Acq: 5 Nov 2017 23:44

Instrument :
BNA_G
ClientSampleId :
B0E95

Tot Ion	Ratio	Lower	Upper
228	100		
229	25.9	16.2	24.4#
226	34.2	22.2	33.2#

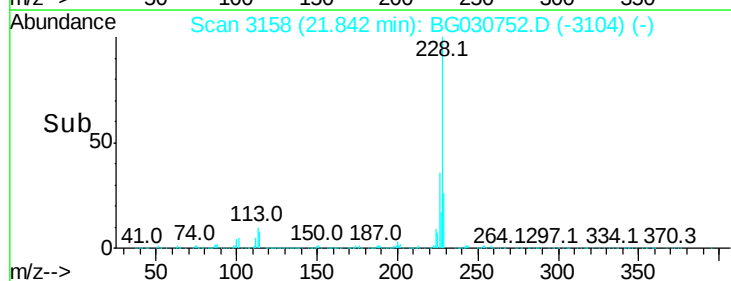
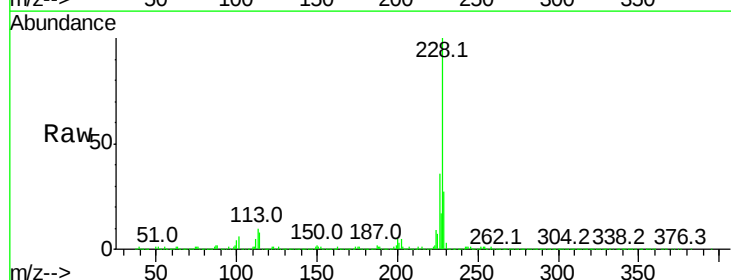
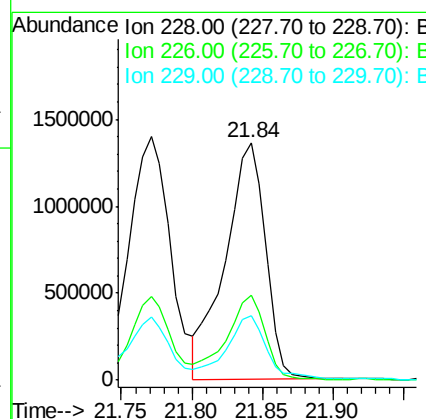
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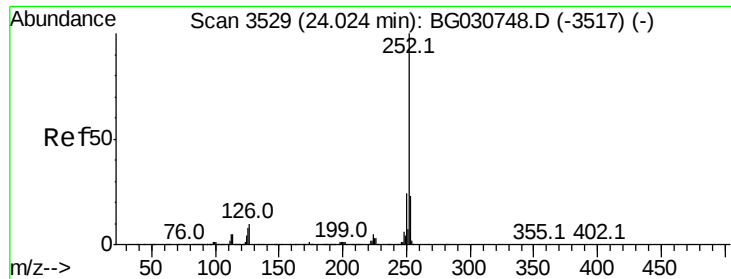
Sohil
11/6/2017 2:19:35 PM



#82
Chrysene
Concen: 77.657 ng/ul
RT: 21.84 min Scan# 3158
Delta R.T. 0.02 min
Lab File: BG030752.D
Acq: 5 Nov 2017 23:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.9	24.2	36.2
229	27.1	15.2	22.8#





#85

Benzo(b)fluoranthene

Concen: 95.967 ng/ul m

RT: 24.07 min Scan# 3537

Delta R.T. 0.04 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

Instrument :

BNA_G

ClientSampleId :

B0E95

Tot Ion:252 Resp: 3899866

Ion Ratio Lower Upper

252 100

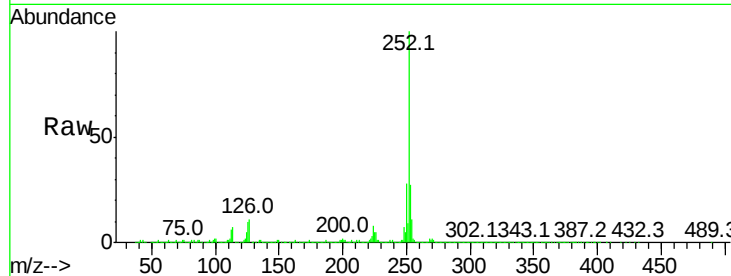
253 26.6 17.0 25.4#

125 9.8 7.5 11.3

Manual Integrations
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Sohil

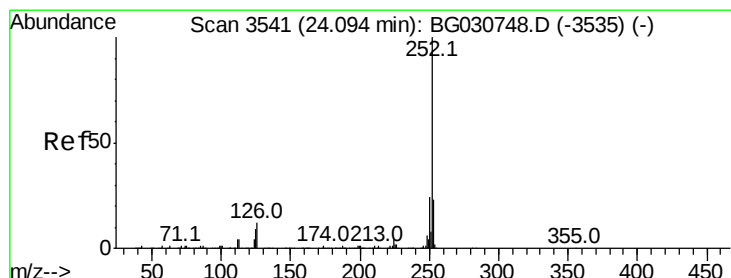
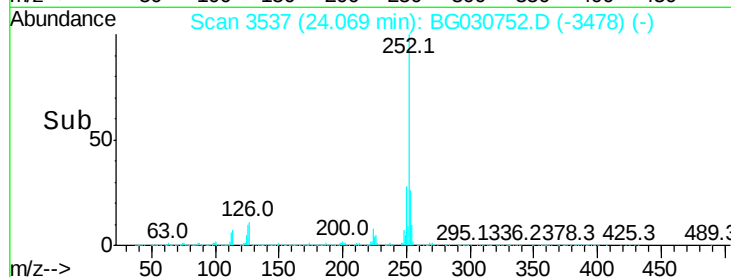
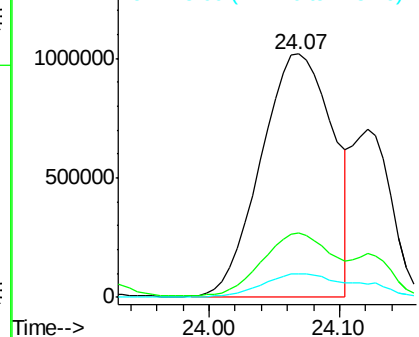
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#86

Benzo(k)fluoranthene

Concen: 37.746 ng/ul m

RT: 24.12 min Scan# 3546

Delta R.T. 0.03 min

Lab File: BG030752.D

Acq: 5 Nov 2017 23:44

Tgt Ion:252 Resp: 1483080

Ion Ratio Lower Upper

252 100

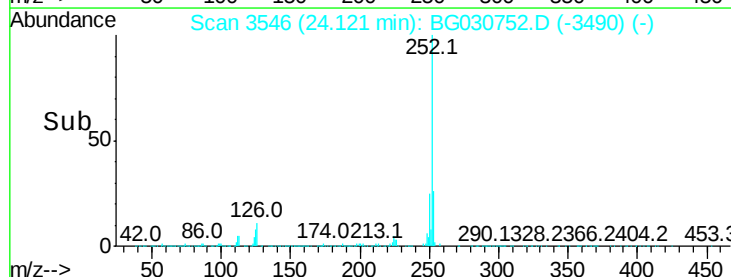
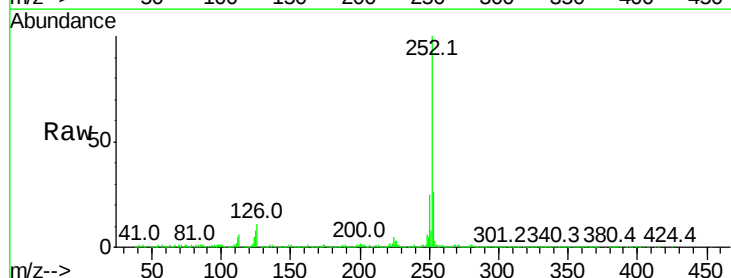
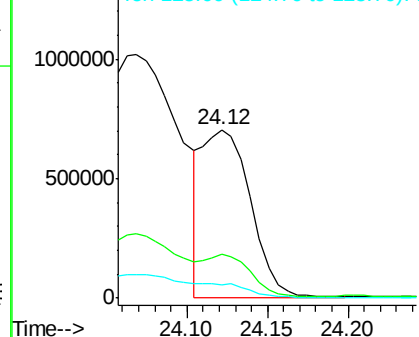
253 26.3 17.2 25.8#

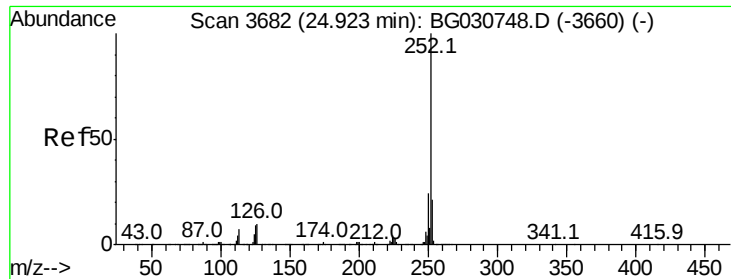
125 8.2 7.8 11.8

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





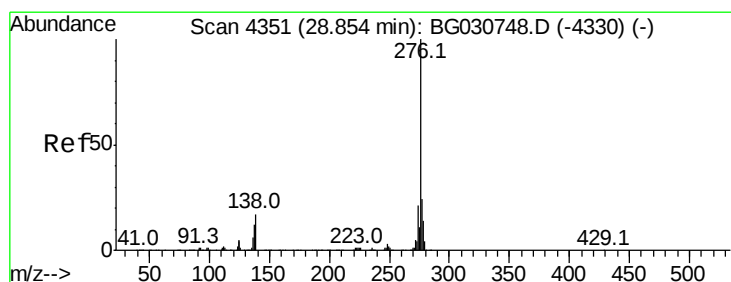
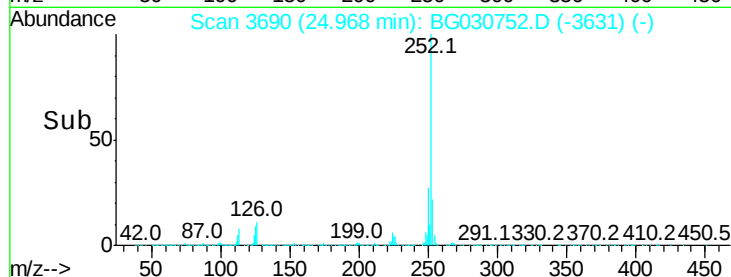
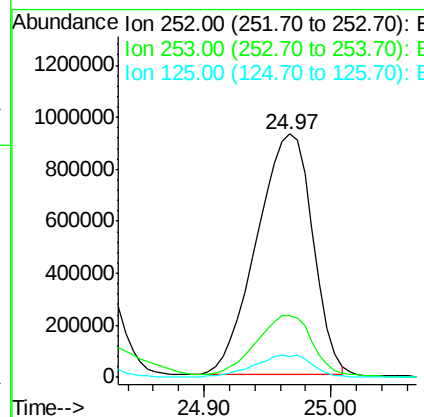
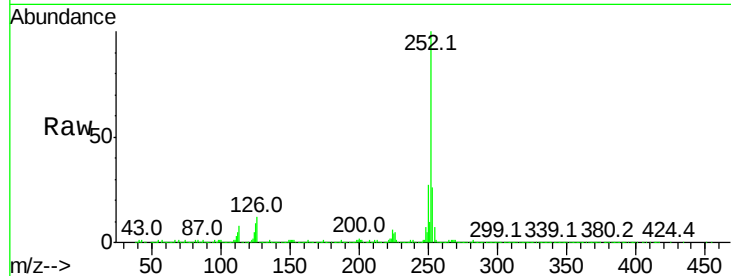
#88
Benzo(a)pyrene
Concen: 72.034 ng/ul
RT: 24.97 min Scan# 3690
Delta R.T. 0.04 min
Lab File: BG030752.D
Acq: 5 Nov 2017 23:44

Instrument :
BNA_G
ClientSampleId :
B0E95

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.1	25.7
125	8.8	7.8	11.8

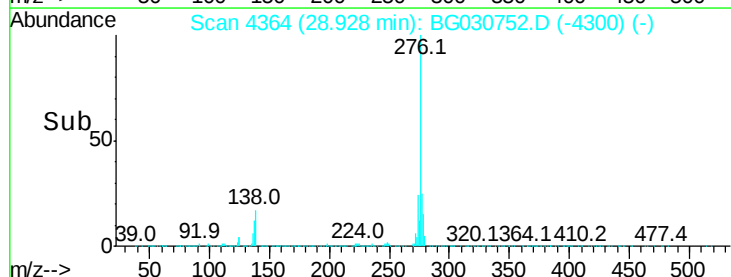
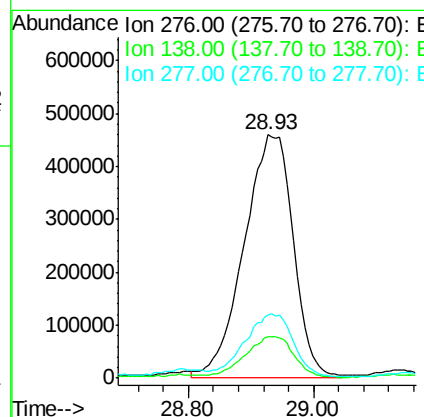
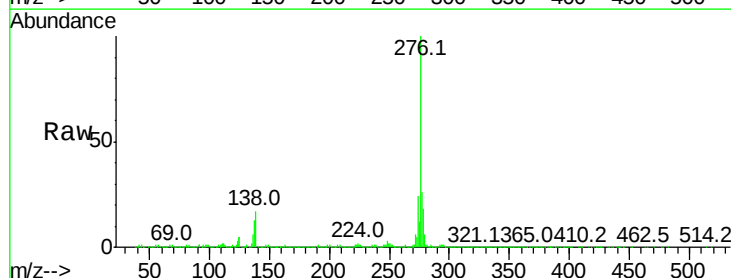
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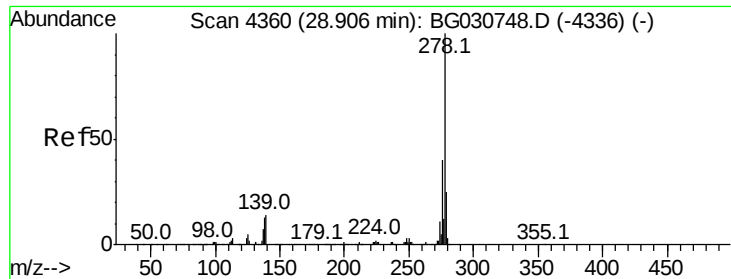
Sohil
11/6/2017 2:19:35 PM



#89
Indeno(1,2,3-cd)pyrene
Concen: 56.417 ng/ul m
RT: 28.93 min Scan# 4364
Delta R.T. 0.07 min
Lab File: BG030752.D
Acq: 5 Nov 2017 23:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.7	13.4	20.0
277	25.7	18.6	28.0





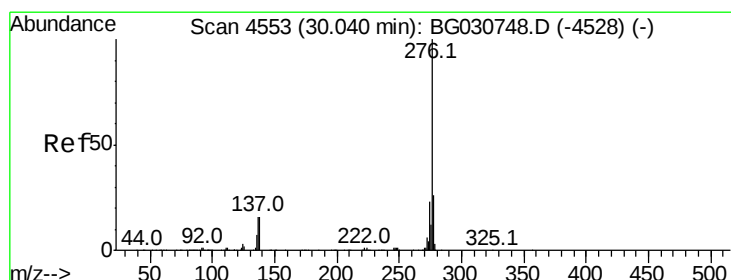
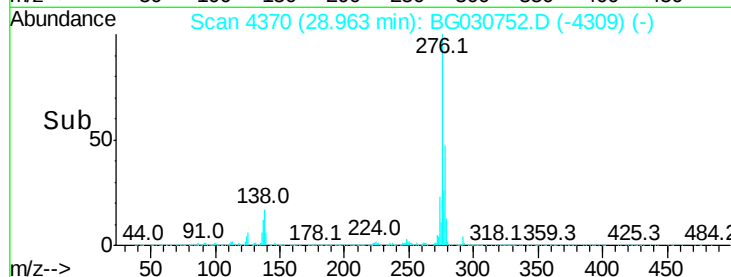
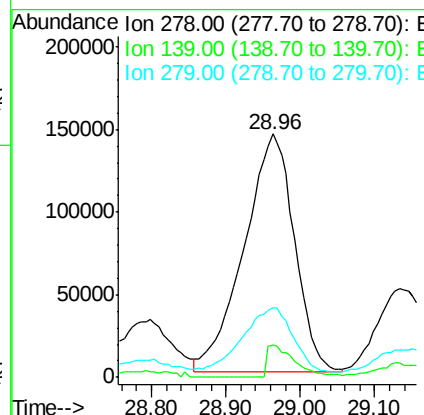
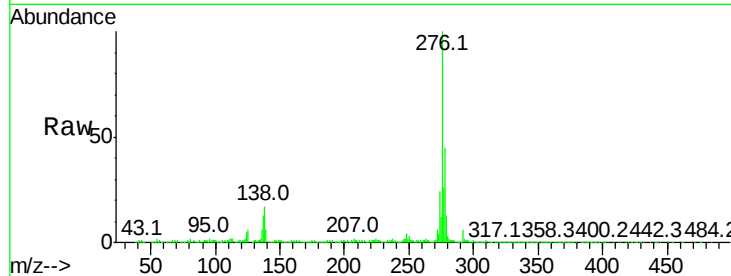
#90
Dibenzo(a,h)anthracene
Concen: 18.191 ng/ul m
RT: 28.96 min Scan# 4370
Delta R.T. 0.06 min
Lab File: BG030752.D
Acq: 5 Nov 2017 23:44

Instrument :
BNA_G
ClientSampleId :
B0E95

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.1	9.4	14.2
279	28.6	18.4	27.6#

Manual Integrations
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11/6/2017 2:19:35 PM



#91
Benzo(g,h,i)perylene
Concen: 61.126 ng/ul m
RT: 30.13 min Scan# 4568
Delta R.T. 0.09 min
Lab File: BG030752.D
Acq: 5 Nov 2017 23:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.1	12.1	18.1
277	24.7	17.7	26.5

