

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
 Data File : BG028432.D
 Acq On : 23 Aug 2017 00:37
 Operator : SJ/JU
 Sample : I4827-05 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AB4

Manual Integrations
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Sohil
 8/23/2017 3:02:32 PM

Quant Time: Aug 23 14:05:26 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 23 07:06:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	45049	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	210511	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	149333	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	332888	20.00	ng/ul	0.00
75) Chrysene-d12	22.04	240	414115	20.00	ng/ul	0.01
83) Perylene-d12	25.56	264	390376	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.84	96	445	0.46	ng/uL	0.01
5) Phenol-d5	7.50	99	11021	2.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	6946	2.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	8947	2.87	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	9694	2.34	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	4921	2.99	ng/ul	0.00
22) 2-Nitrophenol-d4	10.24	143	5426	3.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.79	165	10316	2.76	ng/ul	0.00
29) 4-Chloroaniline-d4	11.30	131	9177	2.21	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	37298	2.81	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	44508	2.97	ng/ul	0.00
51) 4-Nitrophenol-d4	15.17	143	3181	1.51	ng/ul	0.02
57) Fluorene-d10	15.94	176	32930	2.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.09	200	1806	0.84	ng/ul	0.02
70) Anthracene-d10	17.81	188	50941	3.19	ng/ul	0.00
76) Pyrene-d10	20.08	212	63336	2.98	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.31	264	50855	2.78	ng/ul	0.01

Target Compounds

					Qvalue
28) Naphthalene	11.21	128	178893	17.158	ng/ul 97
34) 2-Methylnaphthalene	12.80	142	96062	11.471	ng/ul 94
40) 1,1'-Biphenyl	13.78	154	37361	3.426	ng/ul 95
44) Dimethylphthalate	14.39	163	12598	1.030	ng/ul# 90
47) Acenaphthylene	14.68	152	72576	5.071	ng/ul 96
49) Acenaphthene	15.02	153	235777	24.418	ng/ul 94
53) Dibenzofuran	15.35	168	319227	22.675	ng/ul 98
58) Fluorene	16.00	166	474881	38.100	ng/ul 99
69) Phenanthrene	17.76	178	4280409m	255.505	ng/ul
71) Anthracene	17.84	178	1124784	65.692	ng/ul 99
72) Carbazole	18.11	167	333543	22.399	ng/ul 99
74) Fluoranthene	19.76	202	4661266m	228.946	ng/ul
77) Pyrene	20.12	202	4351477	176.127	ng/ul# 90
80) Benzo(a)anthracene	22.03	228	2466771	103.094	ng/ul 93
82) Chrysene	22.10	228	2178099m	101.076	ng/ul
85) Benzo(b)fluoranthene	24.45	252	2583471	110.591	ng/ul# 96
86) Benzo(k)fluoranthene	24.51	252	921999m	40.406	ng/ul
88) Benzo(a)pyrene	25.40	252	2052359	90.739	ng/ul 96
89) Indeno(1,2,3-cd)pyrene	29.60	276	1206007	45.532	ng/ul 97
90) Dibenzo(a,h)anthracene	29.63	278	299256	13.480	ng/ul# 98
91) Benzo(g,h,i)perylene	30.87	276	1034690	47.484	ng/ul 96

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ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B0AB4

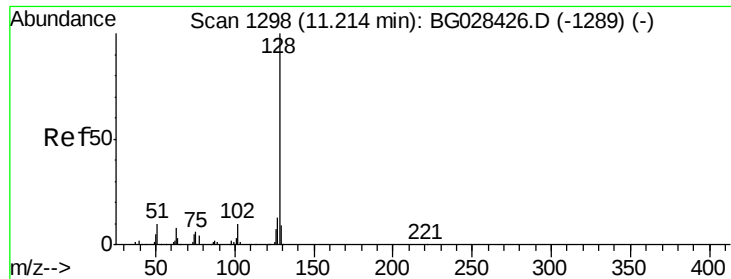
Manual Integrations
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Quant Time: Aug 23 14:05:26 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 23 07:06:03 2017
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#28

Naphthalene

Concen: 17.158 ng/ul

RT: 11.21 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BG028432.D

Acq: 23 Aug 2017 00:37

Instrument :

BNA_G

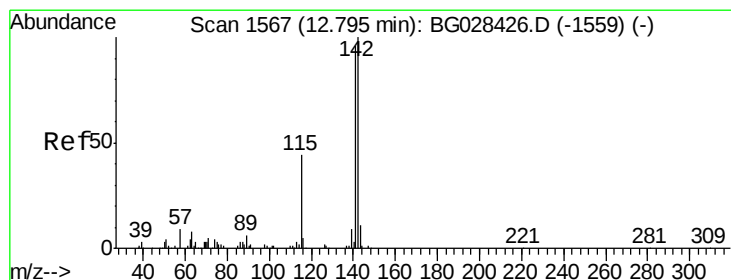
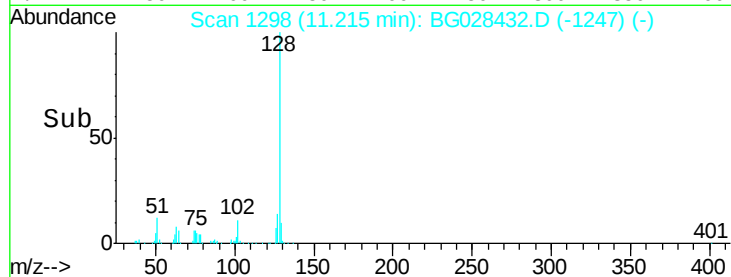
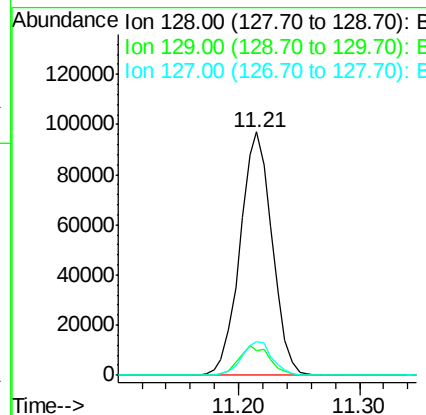
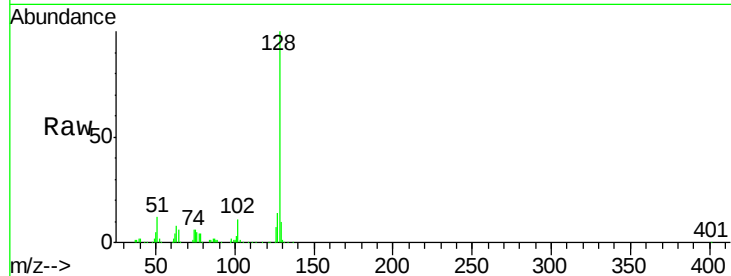
ClientSampleId :

B0AB4

Tgt Ion:	128	Resp:	178893
Ion Ratio		Lower	Upper
128	100		
129	10.0	9.4	14.2
127	13.8	10.3	15.5

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#34

2-Methylnaphthalene

Concen: 11.471 ng/ul

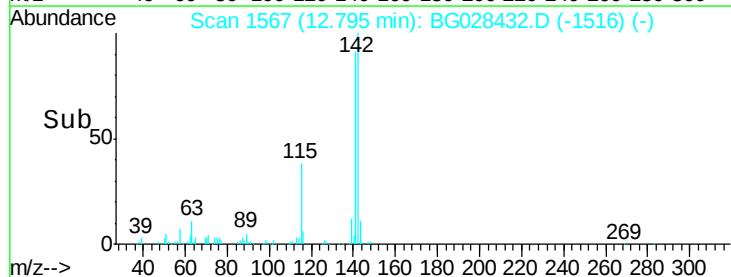
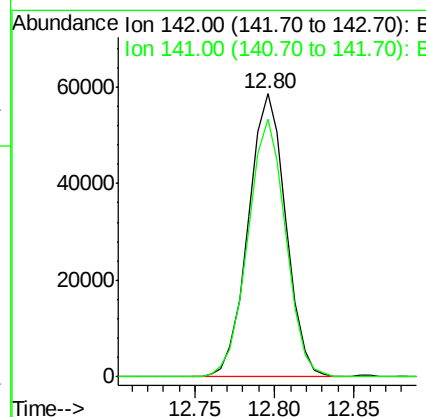
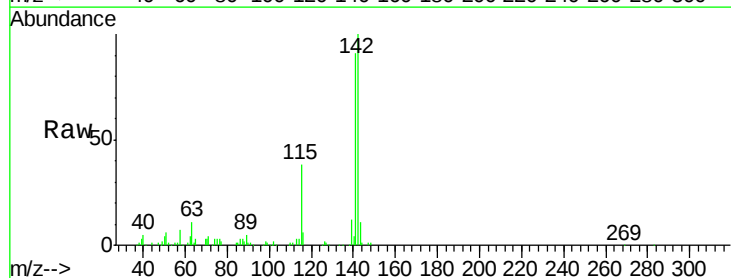
RT: 12.80 min Scan# 1567

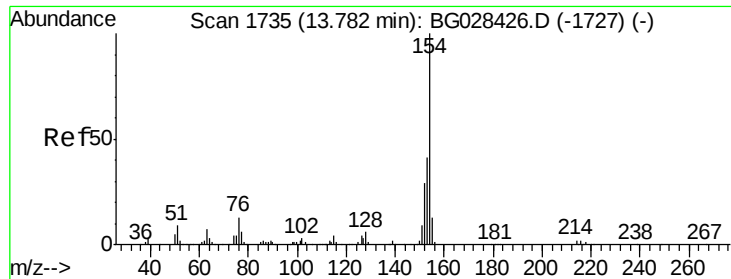
Delta R.T. 0.00 min

Lab File: BG028432.D

Acq: 23 Aug 2017 00:37

Tgt Ion:	142	Resp:	96062
Ion Ratio		Lower	Upper
142	100		
141	91.0	68.6	102.8





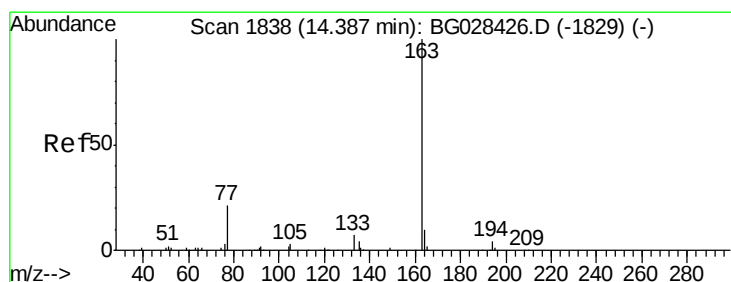
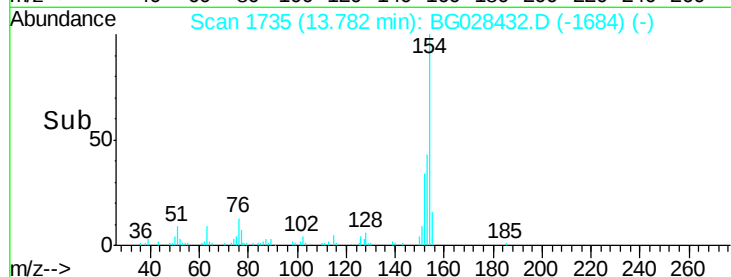
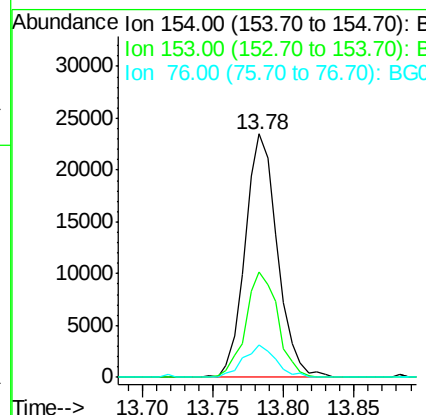
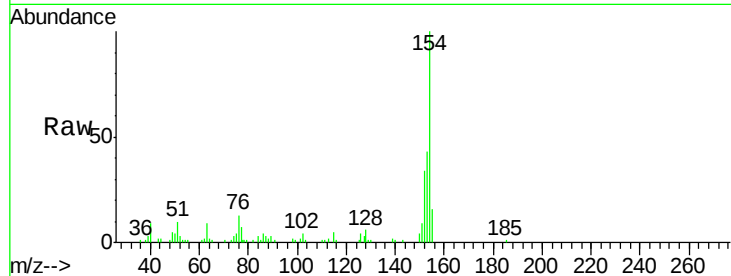
#40
 1,1'-Biphenyl
 Concen: 3.426 ng/ul
 RT: 13.78 min Scan# 1735
 Delta R.T. 0.00 min
 Lab File: BG028432.D
 Acq: 23 Aug 2017 00:37

Instrument :
 BNA_G
 ClientSampleId :
 B0AB4

Tgt Ion:	154	Resp:	37361
Ion Ratio	Lower	Upper	
154	100		
153	43.4	32.2	48.2
76	13.4	9.6	14.4

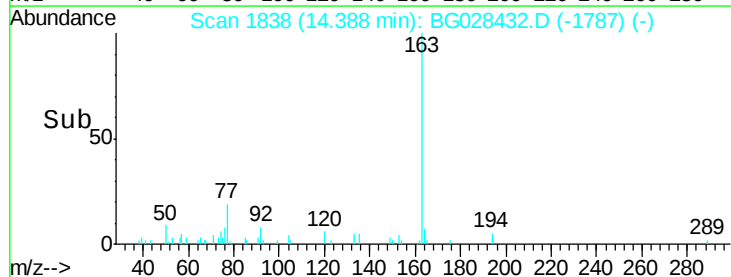
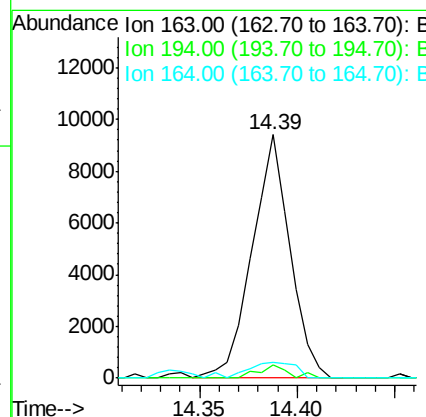
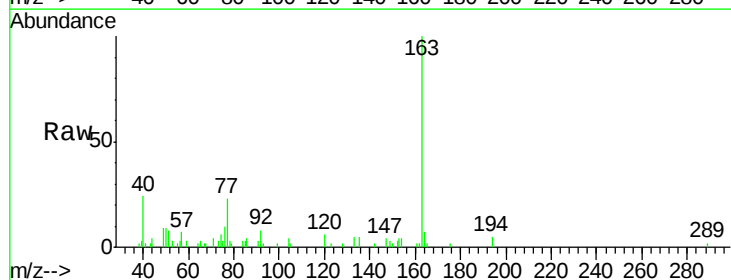
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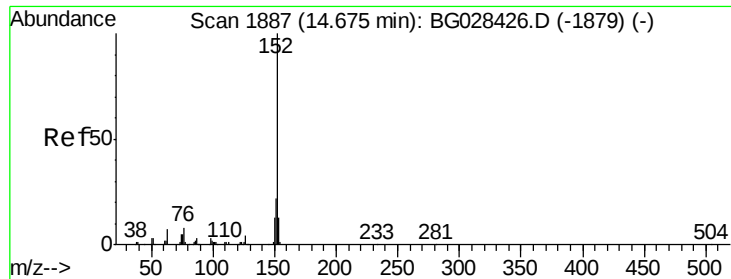
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#44
 Dimethylphthalate
 Concen: 1.030 ng/ul
 RT: 14.39 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BG028432.D
 Acq: 23 Aug 2017 00:37

Tgt Ion:	163	Resp:	12598
Ion Ratio	Lower	Upper	
163	100		
194	5.3	3.4	5.0#
164	6.5	9.0	13.4#





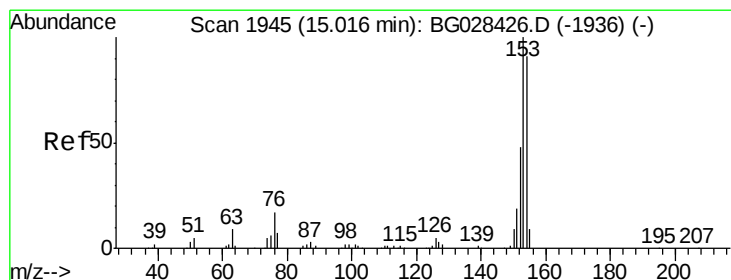
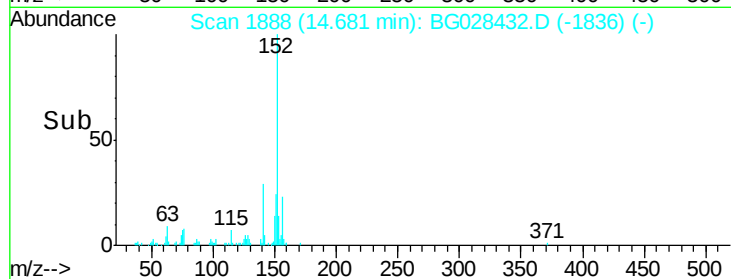
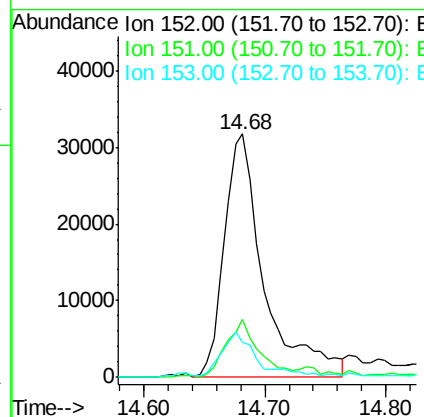
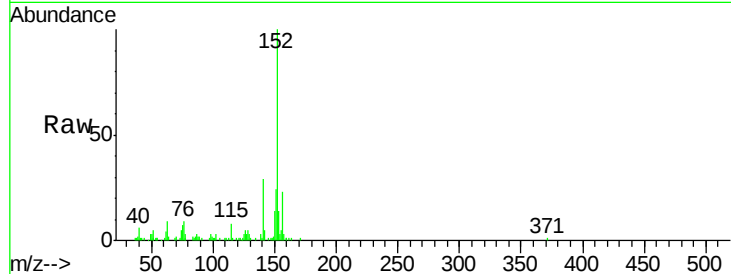
#47
Acenaphthylene
Concen: 5.071 ng/ul
RT: 14.68 min Scan# 1888
Delta R.T. 0.01 min
Lab File: BG028432.D
Acq: 23 Aug 2017 00:37

Instrument :
BNA_G
ClientSampleId :
B0AB4

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	72576		
151	24.1		16.7	25.1
153	14.5		11.4	17.2

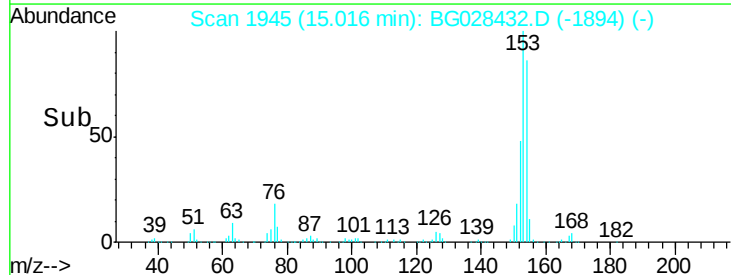
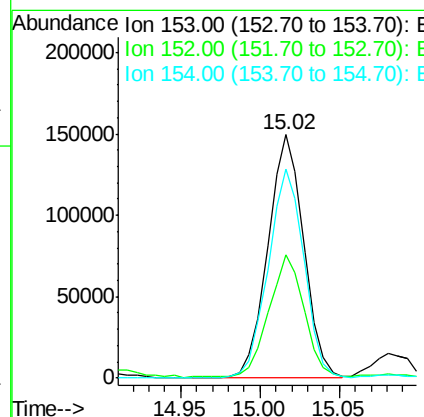
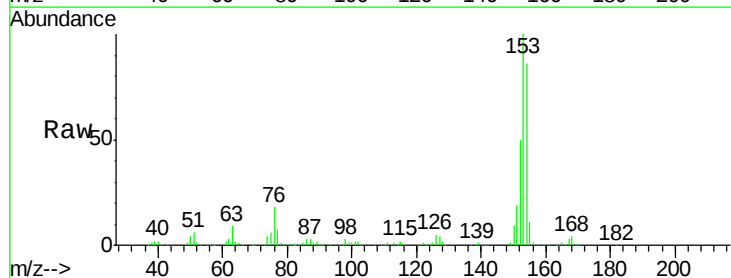
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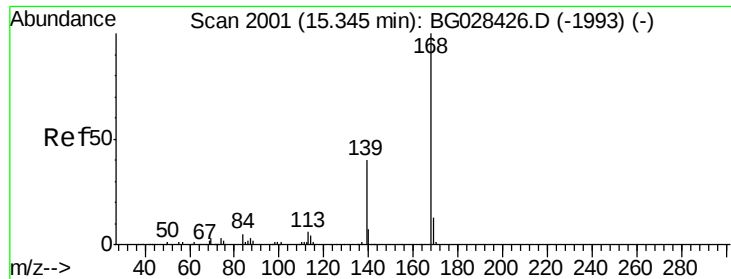
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#49
Acenaphthene
Concen: 24.418 ng/ul
RT: 15.02 min Scan# 1945
Delta R.T. 0.00 min
Lab File: BG028432.D
Acq: 23 Aug 2017 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	235777		
152	50.5		36.5	54.7
154	86.0		72.3	108.5





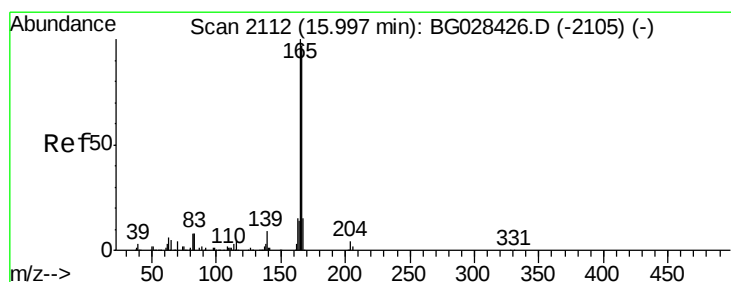
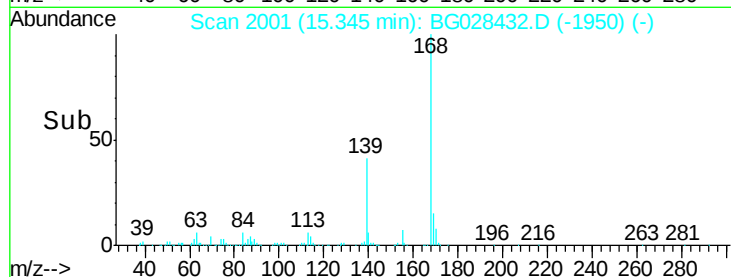
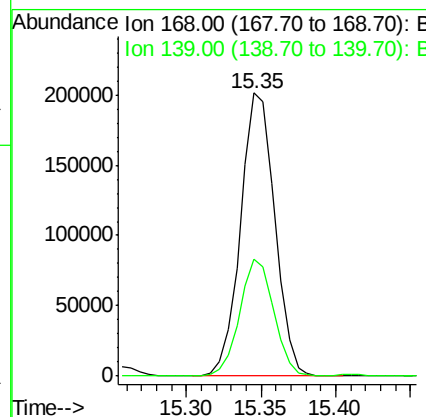
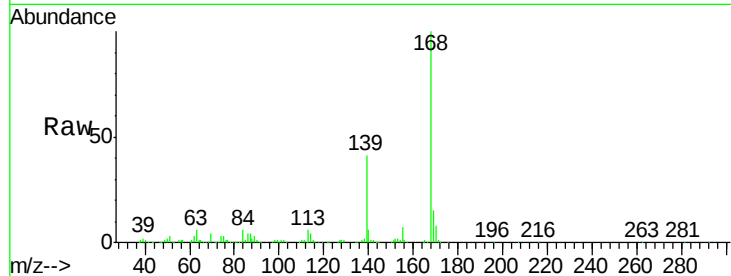
#53
Dibenzenofuran
Concen: 22.675 ng/ul
RT: 15.35 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BG028432.D
Acq: 23 Aug 2017 00:37

Instrument :
BNA_G
ClientSampleId :
B0AB4

Tgt Ion:168 Resp: 319227
Ion Ratio Lower Upper
168 100
139 41.3 33.8 50.8

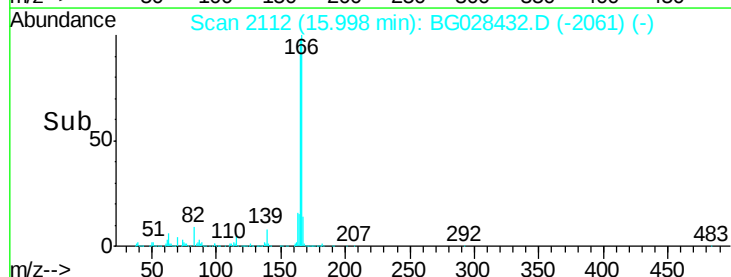
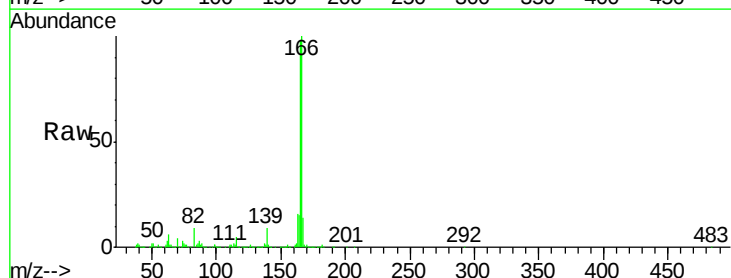
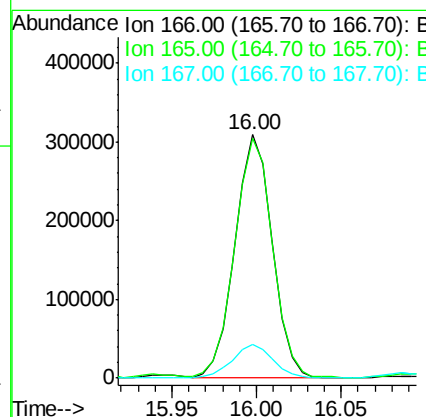
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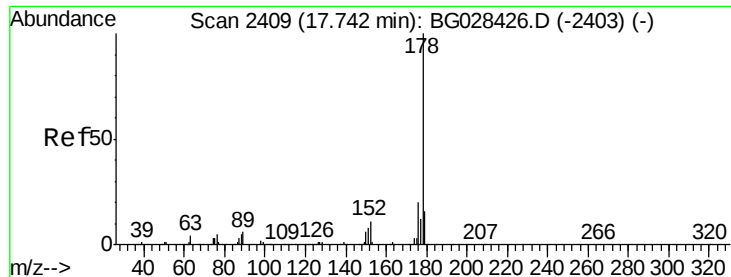
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#58
Fluorene
Concen: 38.100 ng/ul
RT: 16.00 min Scan# 2112
Delta R.T. 0.00 min
Lab File: BG028432.D
Acq: 23 Aug 2017 00:37

Tgt Ion:166 Resp: 474881
Ion Ratio Lower Upper
166 100
165 98.4 79.7 119.5
167 14.0 11.4 17.2





#69

Phenanthrene

Concen: 255.505 ng/ul m

RT: 17.76 min Scan# 2412

Delta R.T. 0.02 min

Lab File: BG028432.D

Acq: 23 Aug 2017 00:37

Instrument :

BNA_G

ClientSampleId :

B0AB4

Tgt Ion:178 Resp: 4280409

Ion Ratio Lower Upper

178 100

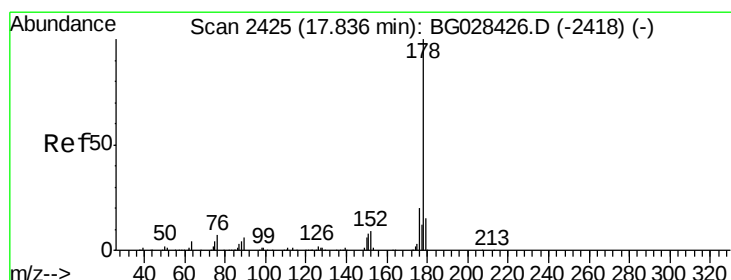
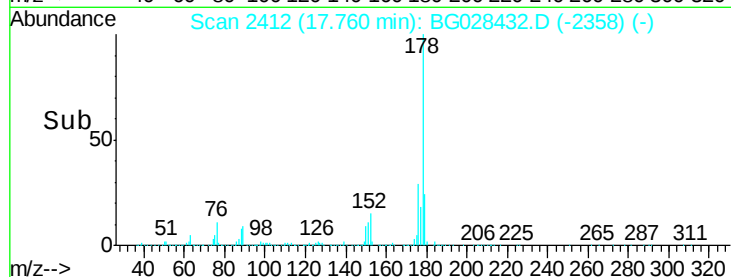
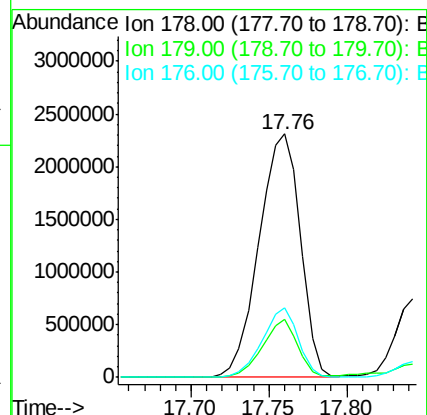
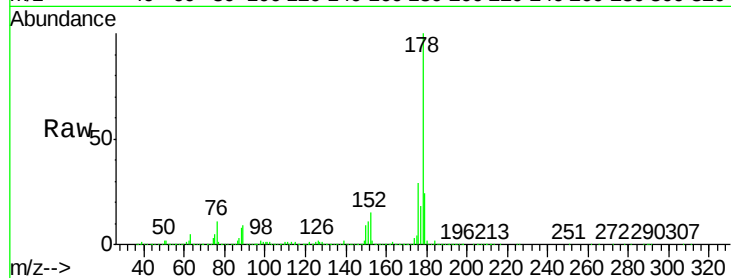
179 23.6 12.4 18.6#

176 28.6 16.5 24.7#

Manual Integrations
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#71

Anthracene

Concen: 65.692 ng/ul

RT: 17.84 min Scan# 2426

Delta R.T. 0.01 min

Lab File: BG028432.D

Acq: 23 Aug 2017 00:37

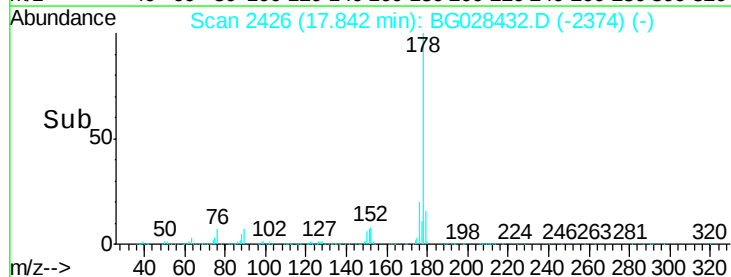
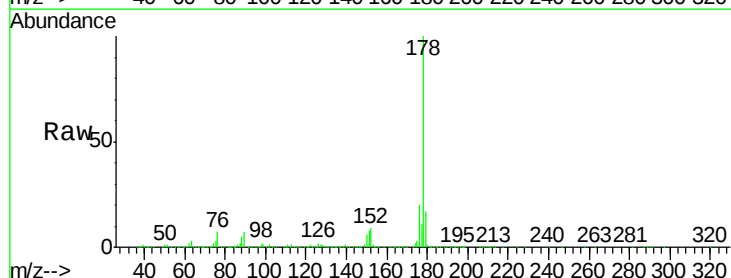
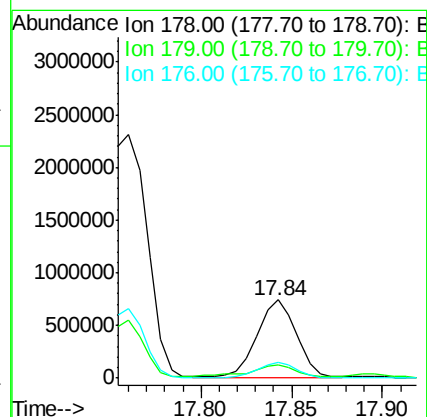
Tgt Ion:178 Resp: 1124784

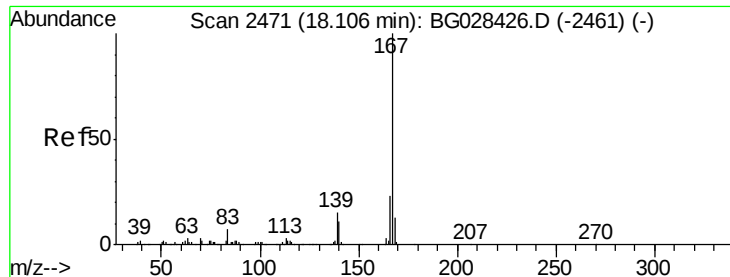
Ion Ratio Lower Upper

178 100

179 16.5 12.6 19.0

176 20.0 15.9 23.9





#72

Carbazole

Concen: 22.399 ng/ul

RT: 18.11 min Scan# 2471

Delta R.T. 0.00 min

Lab File: BG028432.D

Acq: 23 Aug 2017 00:37

Instrument :

BNA_G

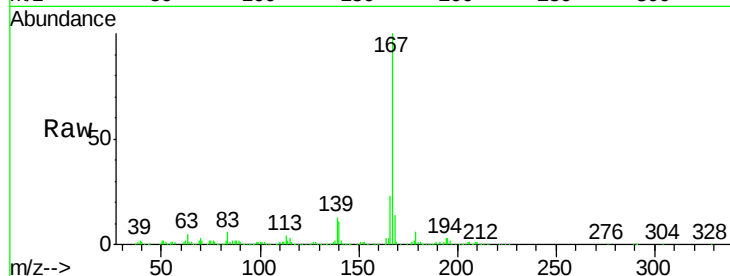
ClientSampled :

B0AB4

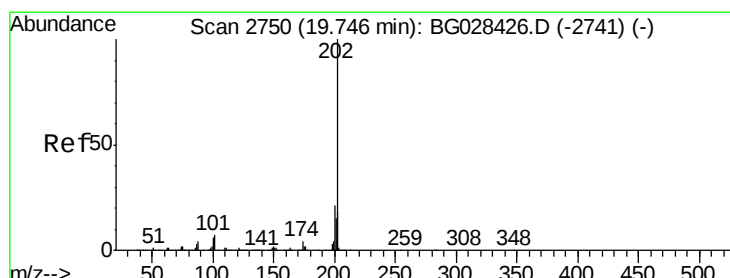
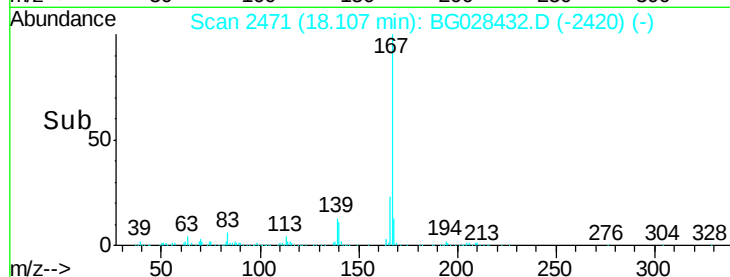
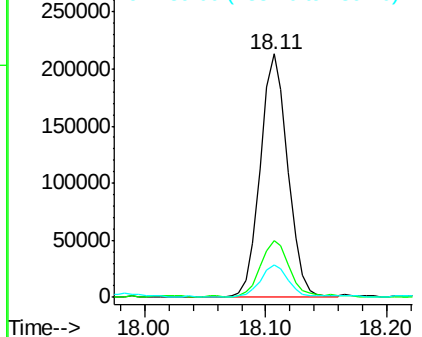
Tgt Ion:	167	Resp:	333543
Ion Ratio	Lower	Upper	
167	100		
166	23.3	17.9	26.9
139	13.3	10.5	15.7

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 228.946 ng/ul m

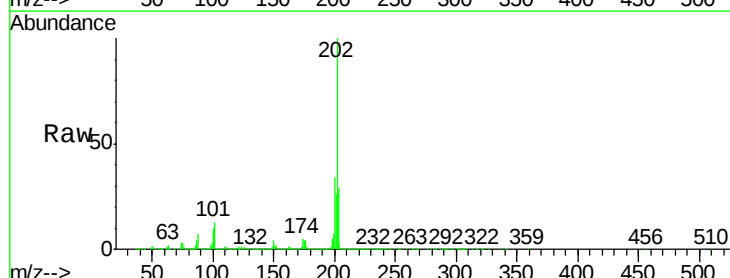
RT: 19.76 min Scan# 2752

Delta R.T. 0.01 min

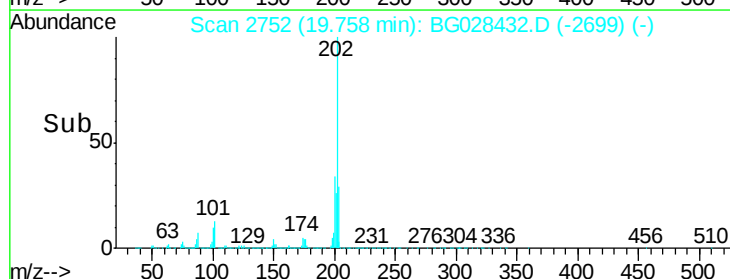
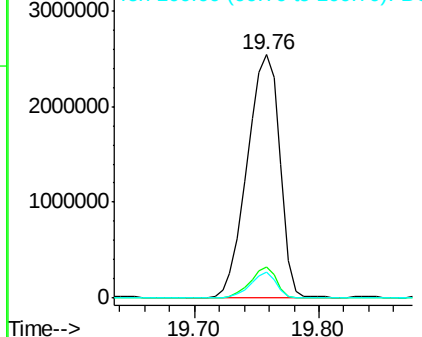
Lab File: BG028432.D

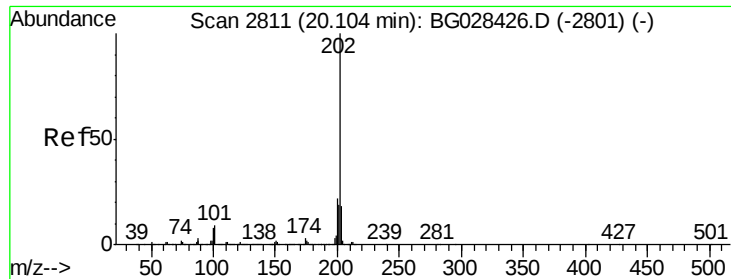
Acq: 23 Aug 2017 00:37

Tgt Ion:	202	Resp:	4661266
Ion Ratio	Lower	Upper	
202	100		
101	12.9	6.2	9.2#
100	10.5	5.2	7.8#



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





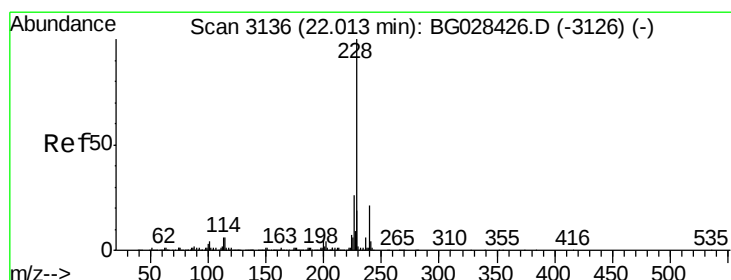
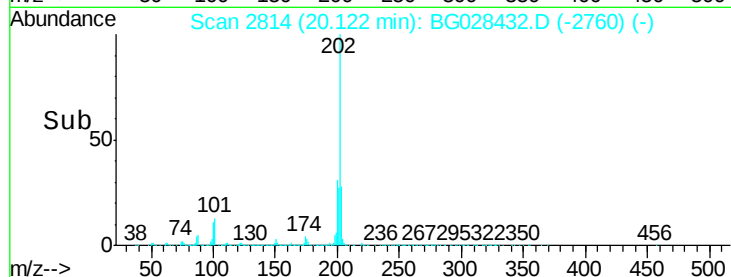
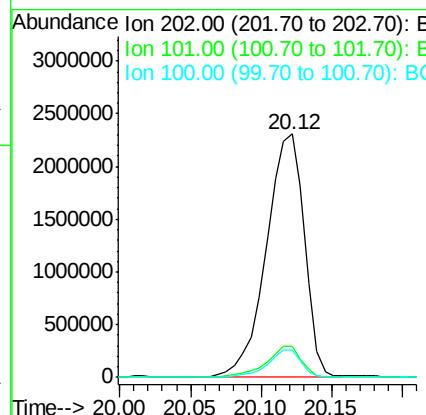
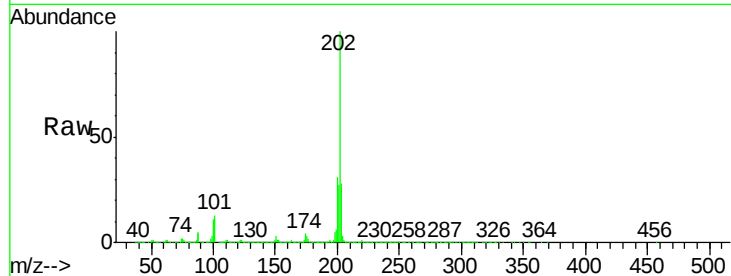
#77
 Pyrene
 Concen: 176.127 ng/ul
 RT: 20.12 min Scan# 2814
 Delta R.T. 0.02 min
 Lab File: BG028432.D
 Acq: 23 Aug 2017 00:37

Instrument :
 BNA_G
 ClientSampleId :
 B0AB4

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	6.9	10.3#
100	11.0	6.6	10.0#

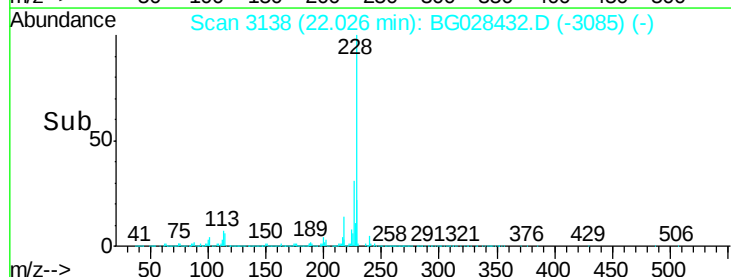
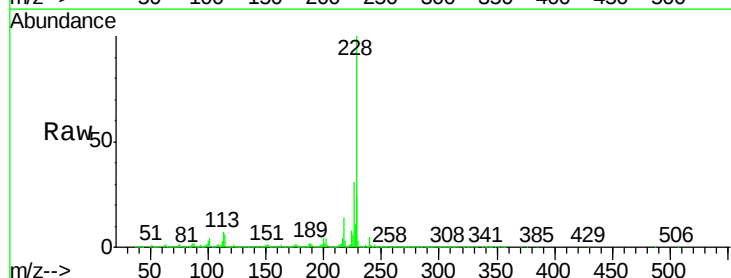
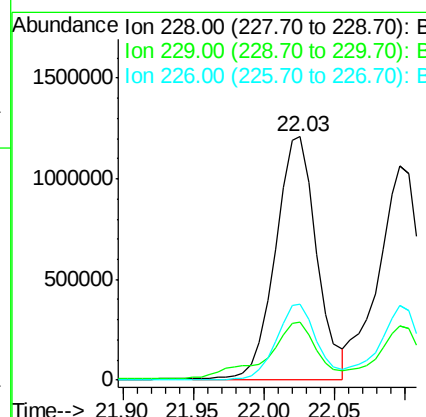
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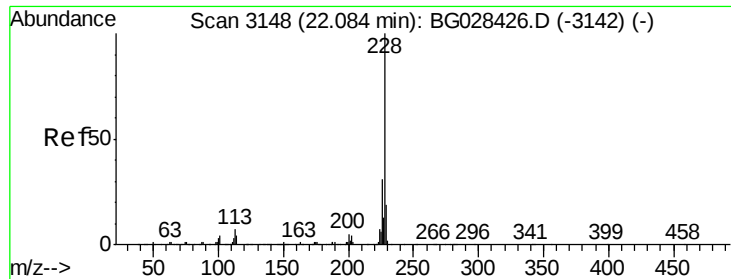
Sohil
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#80
 Benzo(a)anthracene
 Concen: 103.094 ng/ul
 RT: 22.03 min Scan# 3138
 Delta R.T. 0.01 min
 Lab File: BG028432.D
 Acq: 23 Aug 2017 00:37

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.9	16.3	24.5
226	31.0	21.9	32.9





#82

Chrysene

Concen: 101.076 ng/ul m

RT: 22.10 min Scan# 3150

Delta R.T. 0.01 min

Lab File: BG028432.D

Acq: 23 Aug 2017 00:37

Instrument :

BNA_G

ClientSampleId :

B0AB4

Tgt Ion:228 Resp: 2178099

Ion Ratio Lower Upper

228 100

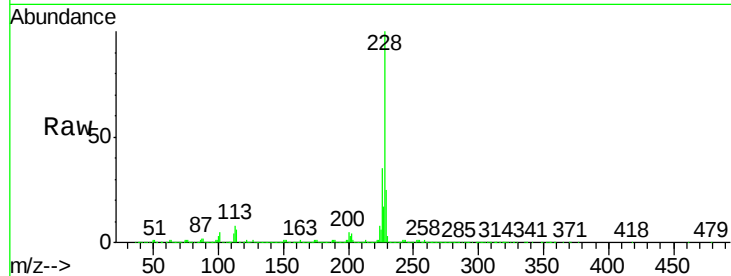
226 34.8 24.0 36.0

229 25.5 16.9 25.3#

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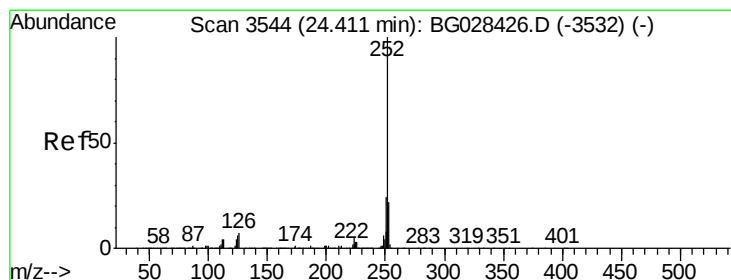
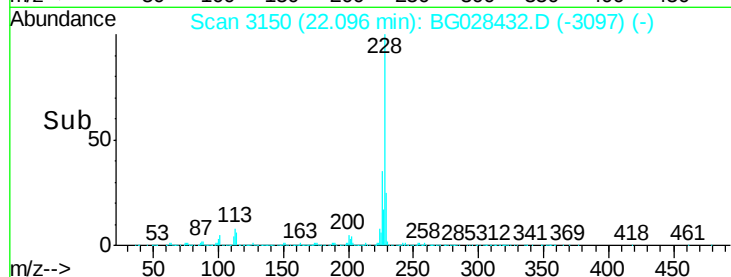
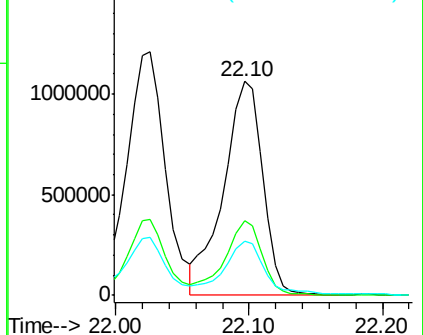
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 110.591 ng/ul

RT: 24.45 min Scan# 3551

Delta R.T. 0.04 min

Lab File: BG028432.D

Acq: 23 Aug 2017 00:37

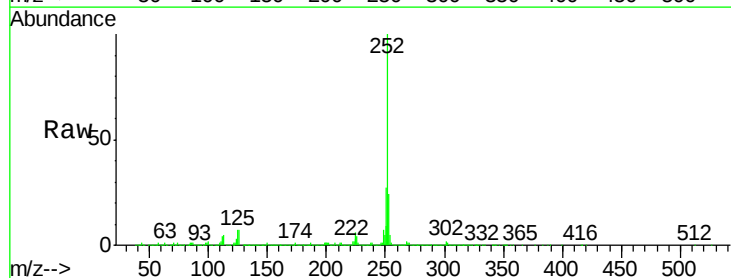
Tgt Ion:252 Resp: 2583471

Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

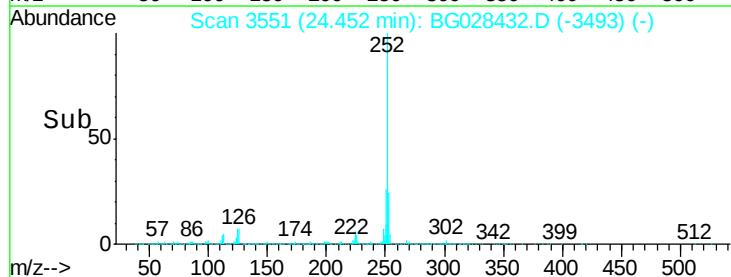
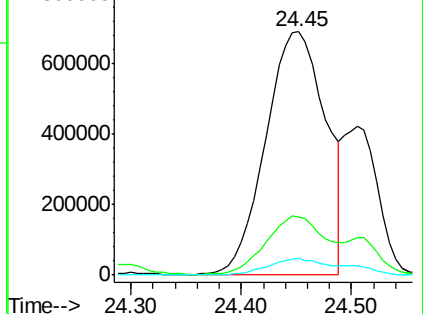
125 6.7 4.0 6.0#

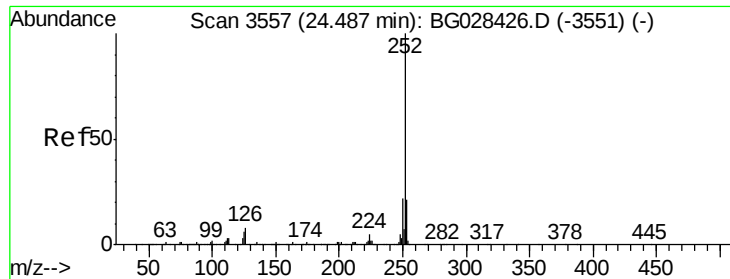


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 40.406 ng/ul

RT: 24.51 min Scan# 3560

Delta R.T. 0.02 min

Lab File: BG028432.D

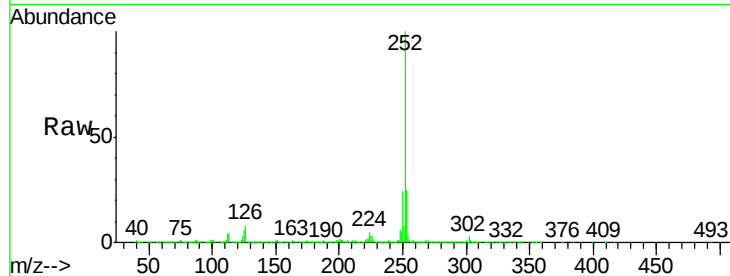
Acq: 23 Aug 2017 00:37

Instrument :

BNA_G

ClientSampleId :

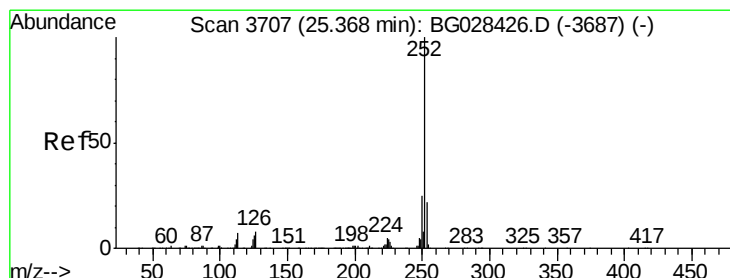
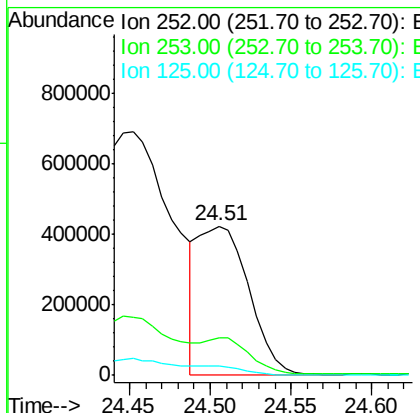
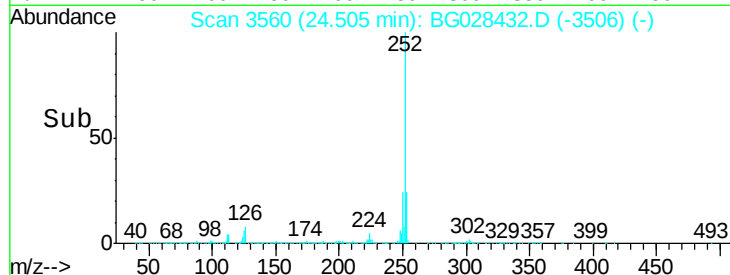
B0AB4



Tgt Ion:	252	Resp:	921999
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.5	27.7
125	5.9	4.1	6.1

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#88

Benzo(a)pyrene

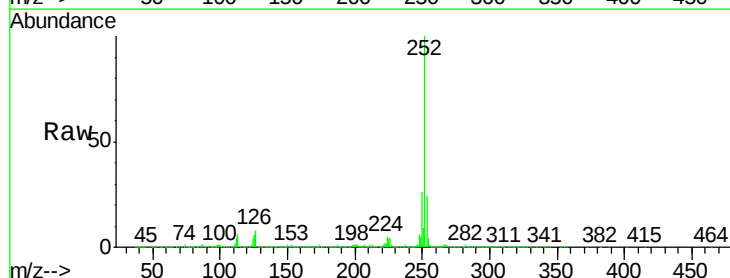
Concen: 90.739 ng/ul

RT: 25.40 min Scan# 3713

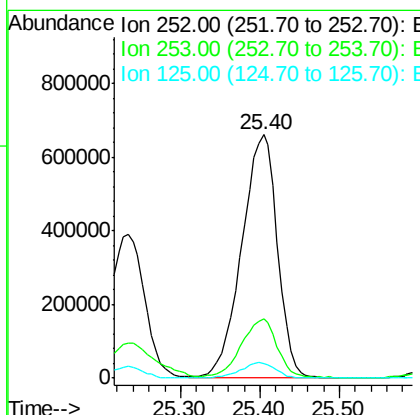
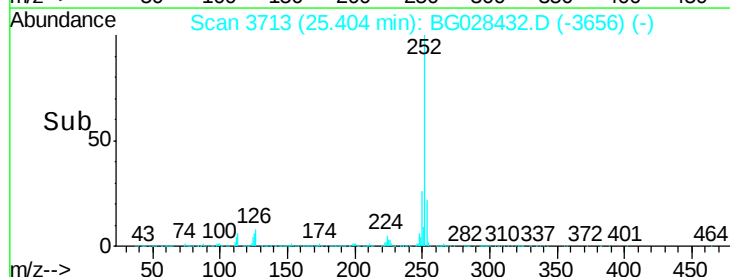
Delta R.T. 0.04 min

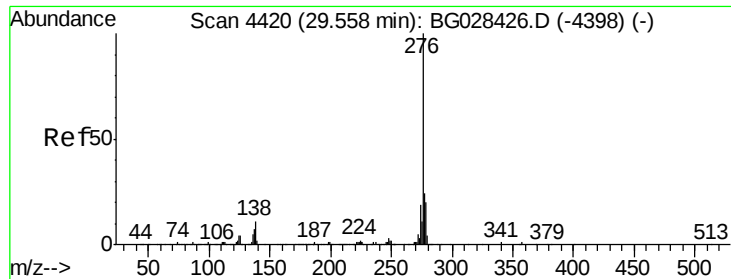
Lab File: BG028432.D

Acq: 23 Aug 2017 00:37



Tgt Ion:	252	Resp:	2052359
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.8	26.6
125	6.1	5.4	8.0





#89

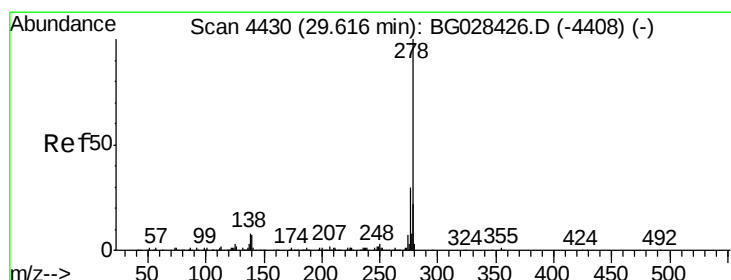
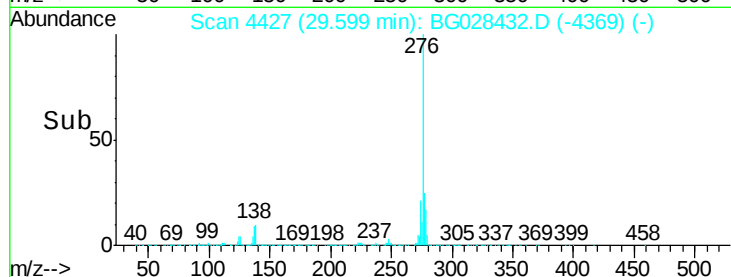
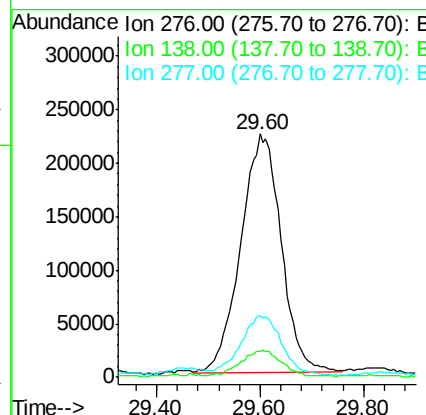
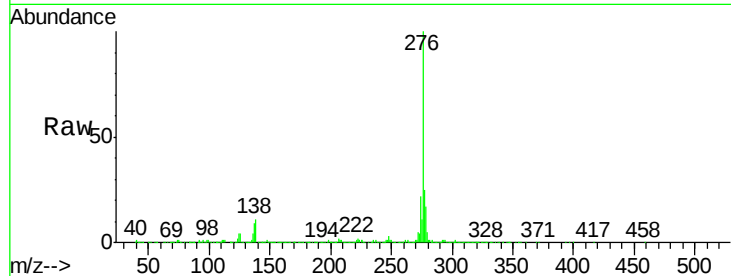
Indeno(1,2,3-cd)pyrene
Concen: 45.532 ng/ul
RT: 29.60 min Scan# 4427
Delta R.T. 0.04 min
Lab File: BG028432.D
Acq: 23 Aug 2017 00:37

Instrument :
BNA_G
ClientSampleId :
B0AB4

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.6	8.2	12.4
277	25.2	18.6	28.0

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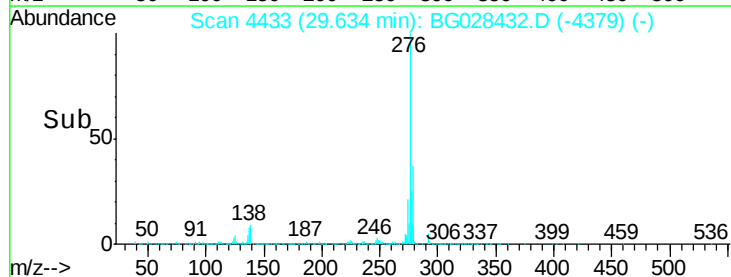
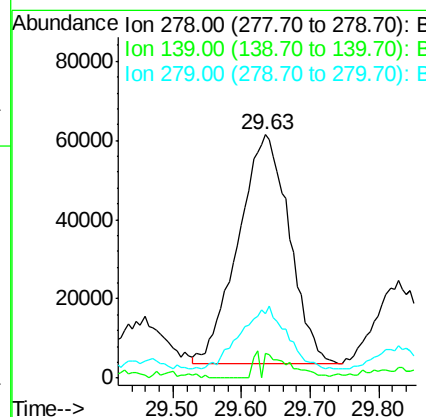
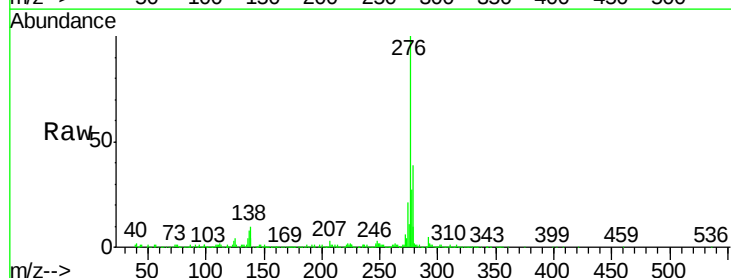
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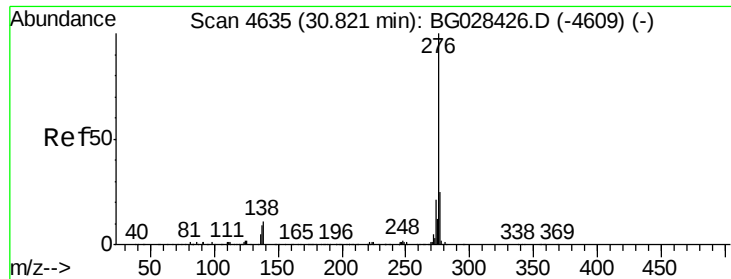


#90

Dibenzo(a,h)anthracene
Concen: 13.480 ng/ul
RT: 29.63 min Scan# 4433
Delta R.T. 0.02 min
Lab File: BG028432.D
Acq: 23 Aug 2017 00:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.3	6.7	10.1#
279	26.4	20.9	31.3





#91
 Benzo(g,h,i)perylene
 Concen: 47.484 ng/ul
 RT: 30.87 min Scan# 4643
 Delta R.T. 0.05 min
 Lab File: BG028432.D
 Acq: 23 Aug 2017 00:37

Instrument :
 BNA_G
 ClientSampleId :
 B0AB4

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.4	8.6	12.8
277	24.5	17.6	26.4

Manual Integrations
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