

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072715\
 Data File : BG018152.D
 Acq On : 28 Jul 2015 18:36
 Operator : TP/UM
 Sample : G3030-19
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02K0

Manual Integrations
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 7/29/2015 1:20:10 PM

Quant Time: Aug 10 12:43:38 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 01:59:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	46731	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	212418	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.18	164	130479	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.93	188	260120	20.00	ng/ul	0.00
78) Chrysene-d12	21.15	240	284924	20.00	ng/ul	0.00
86) Perylene-d12	23.35	264	297879	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	3024	4.04	ng/uL	0.00
5) Phenol-d5	6.69	99	73487	20.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.85	67	36290	20.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.04	132	72438	22.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	64931	20.31	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	37837	22.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	41523	23.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	69554	22.54	ng/ul	0.00
29) 4-Chloroaniline-d4	10.44	131	58255	16.23	ng/ul	0.00
44) Dimethylphthalate-d6	13.60	166	205718	22.46	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	229178	20.36	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	25900	13.44	ng/ul	0.00
58) Fluorene-d10	15.18	176	155711	18.39	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	16276	9.79	ng/ul	0.00
71) Anthracene-d10	17.03	188	212705	18.88	ng/ul	0.00
79) Pyrene-d10	19.34	212	223123	17.09	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.20	264	241039	16.96	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.72	94	12201	3.31	ng/ul#	90
14) Acetophenone	8.33	105	4530	1.01	ng/ul	94
28) Naphthalene	10.34	128	22936	2.30	ng/ul	97
34) 2-Methylnaphthalene	11.97	142	11993	1.60	ng/ul	95
45) Dimethylphthalate	13.64	163	132738	14.40	ng/ul	98
50) Acenaphthene	14.24	153	48853	6.31	ng/ul	100
54) Dibenzofuran	14.58	168	27274	2.48	ng/ul	98
59) Fluorene	15.24	166	35023	3.70	ng/ul	99
70) Phenanthrene	16.98	178	518389	39.66	ng/ul	99
72) Anthracene	17.07	178	116191	8.76	ng/ul	98
75) Carbazole	17.35	167	73969	6.43	ng/ul	98
76) Di-n-butylphthalate	17.92	149	163696	10.82	ng/ul	98
77) Fluoranthene	19.01	202	942307	67.68	ng/ul	97
80) Pyrene	19.38	202	827318	50.70	ng/ul	98
81) Butylbenzylphthalate	20.30	149	40802	6.11	ng/ul	99
83) Benzo(a)anthracene	21.14	228	512949	34.04	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.08	149	207192	21.66	ng/ul	99
85) Chrysene	21.18	228	510322	35.96	ng/ul	95
88) Benzo(b)fluoranthene	22.69	252	737525	45.19	ng/ul	98
89) Benzo(k)fluoranthene	22.73	252	250079m	15.83	ng/ul	
91) Benzo(a)pyrene	23.25	252	488404	30.90	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.57	276	360209	19.75	ng/ul	93
93) Dibenzo(a,h)anthracene	25.57	278	98745	6.34	ng/ul#	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(g,h,i)perylene	26.25	276	319758	21.22	ng/ul	97

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

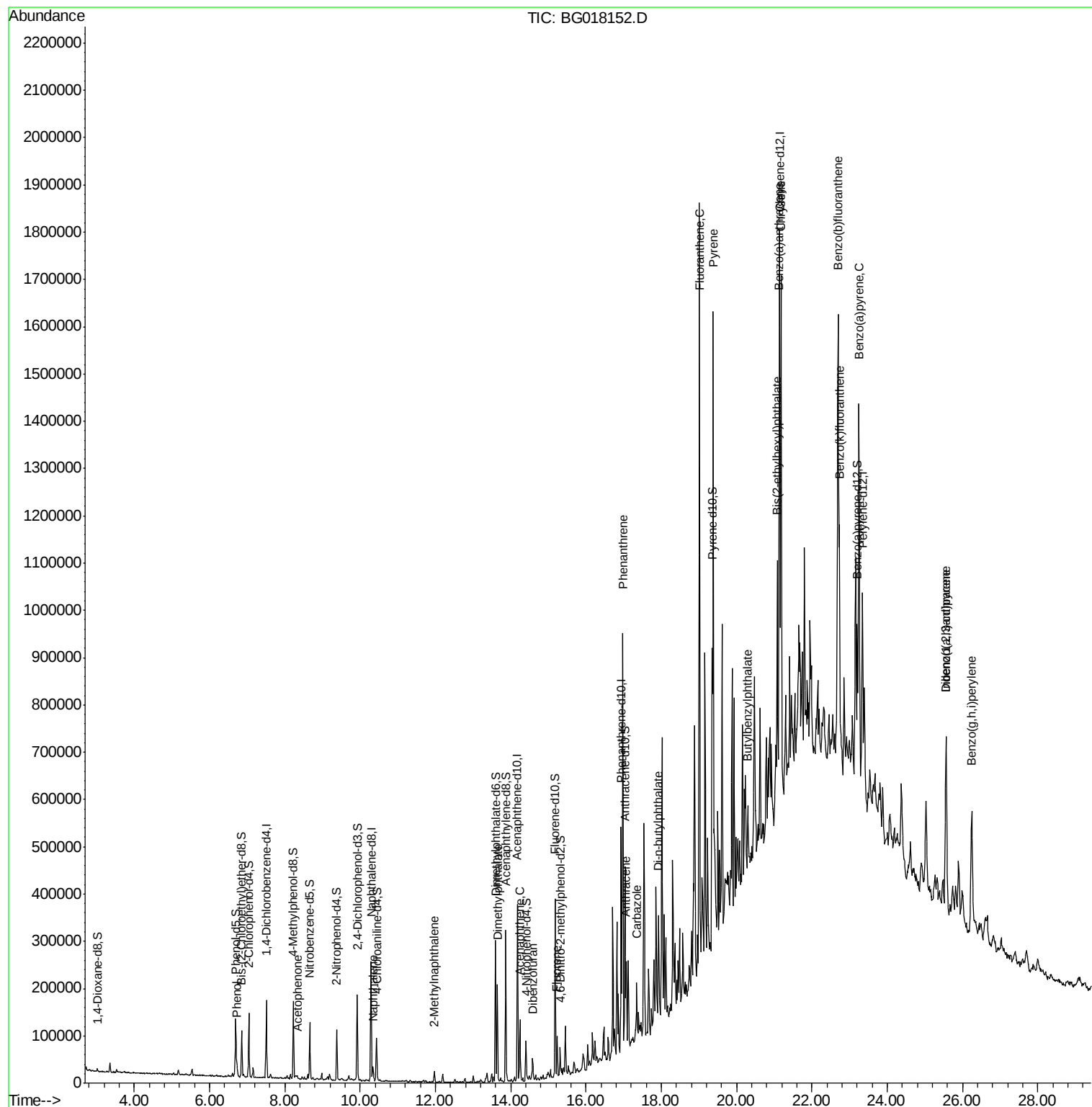
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072715\
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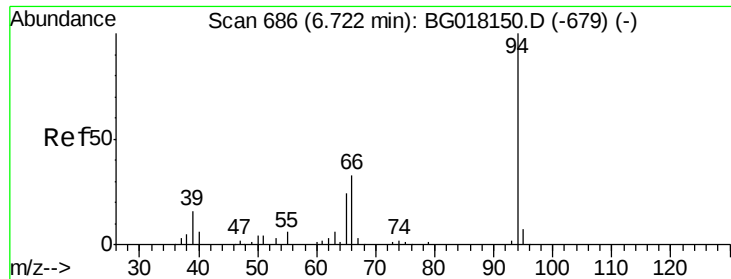
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#6

Phenol

Concen: 3.31 ng/ul

RT: 6.72 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG018152.D

Acq: 28 Jul 2015 18:36

Instrument :

BNA_G

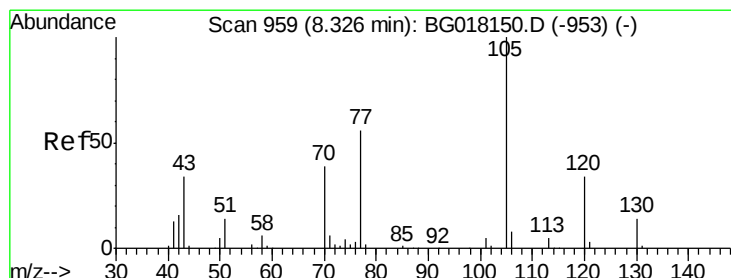
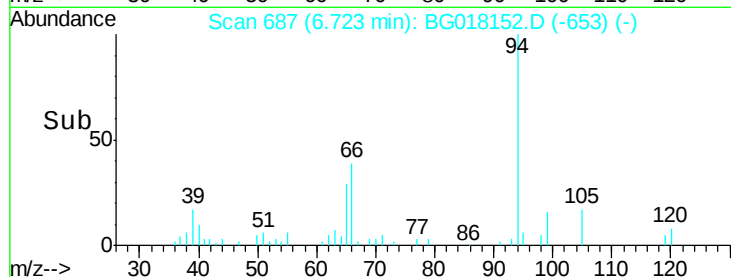
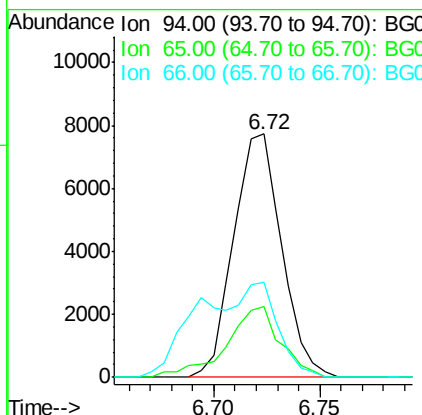
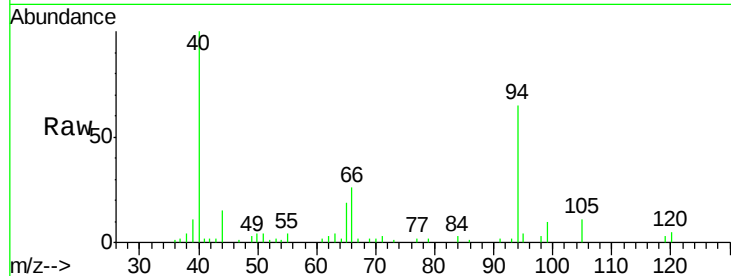
ClientSampled :

C02K0

Tgt Ion:	94	Resp:	12201
Ion Ratio	Lower	Upper	
94	100		
65	29.0	20.1	30.1
66	39.3	25.9	38.9

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#14

Acetophenone

Concen: 1.01 ng/ul

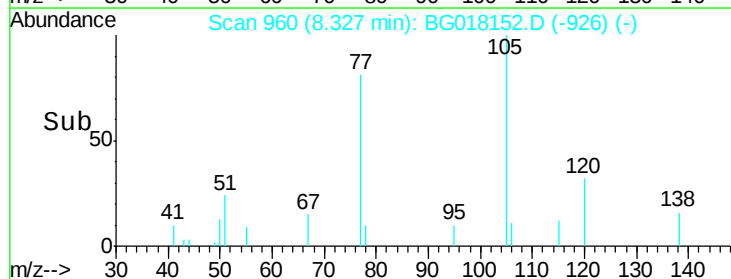
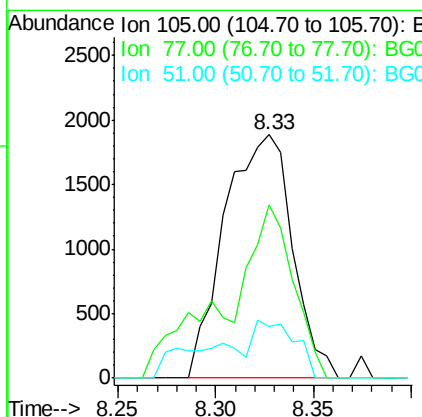
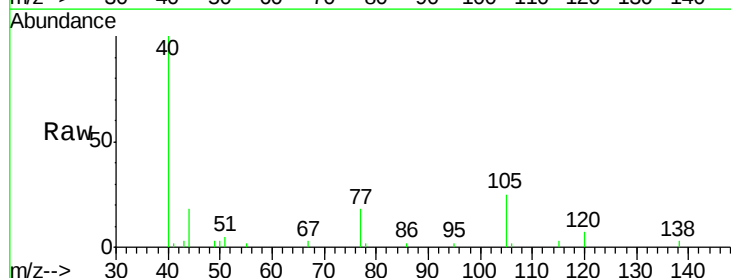
RT: 8.33 min Scan# 960

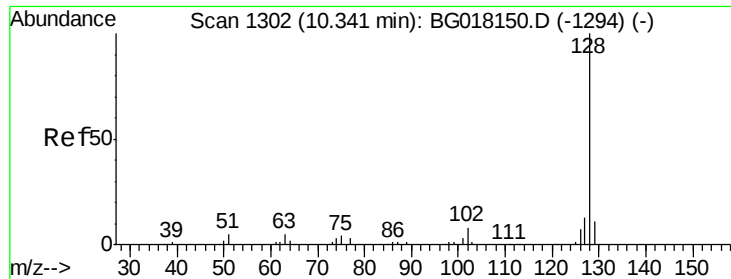
Delta R.T. 0.00 min

Lab File: BG018152.D

Acq: 28 Jul 2015 18:36

Tgt Ion:	105	Resp:	4530
Ion Ratio	Lower	Upper	
105	100		
77	71.4	61.7	92.5
51	21.3	18.1	27.1





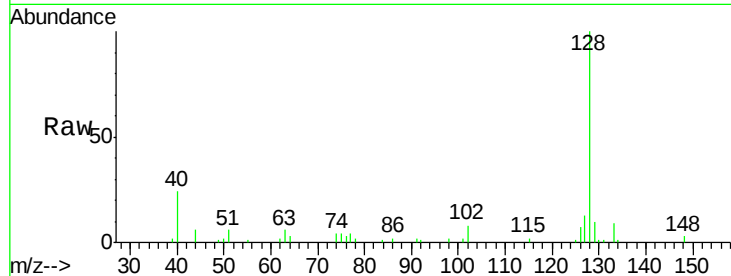
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Naphthalene
Concen: 2.30 ng/ul
RT: 10.34 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Instrument :
BNA_G
ClientSampleId :
C02K0

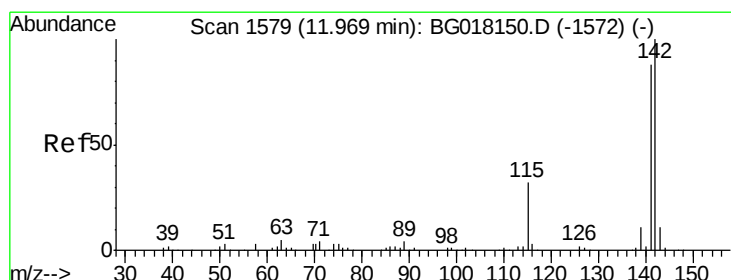
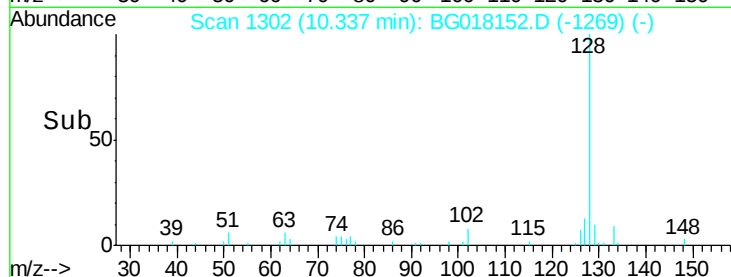
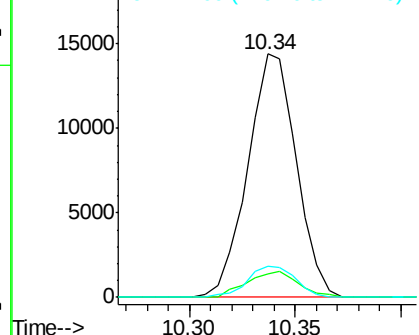
Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.9	9.5	14.3
127	12.7	10.1	15.1

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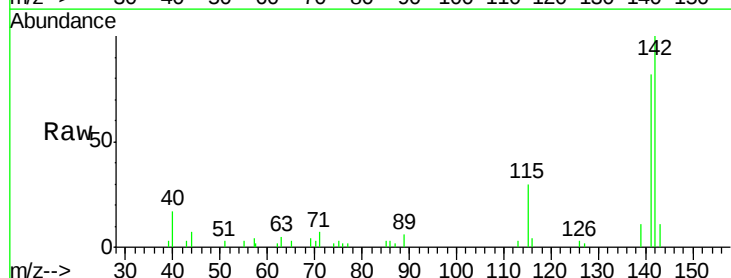


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

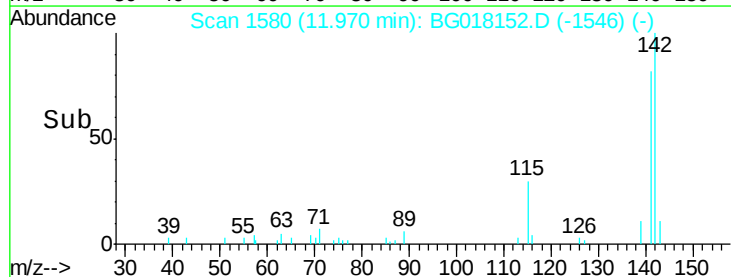
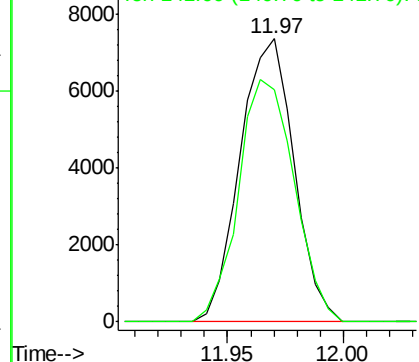


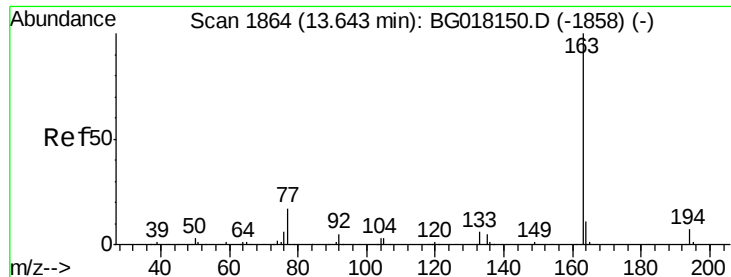
#34
2-Methylnaphthalene
Concen: 1.60 ng/ul
RT: 11.97 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.2	69.4	104.0



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





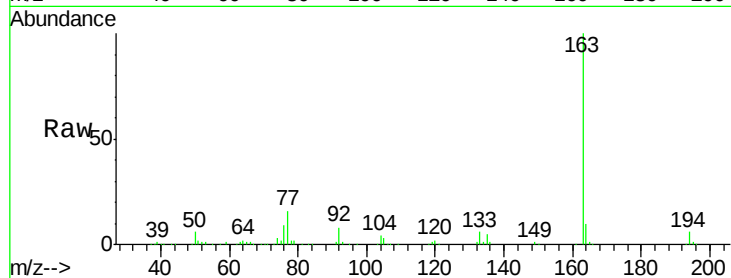
#45
Dimethylphthalate
Concen: 14.40 ng/ul
RT: 13.64 min Scan# 1865
Delta R.T. 0.00 min
Lab File: BG018152.D
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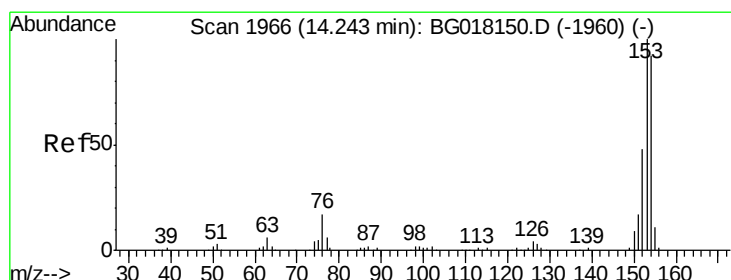
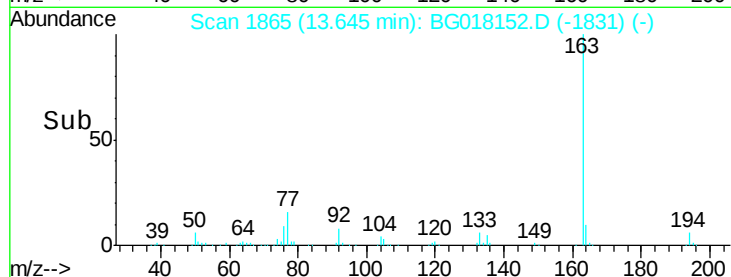
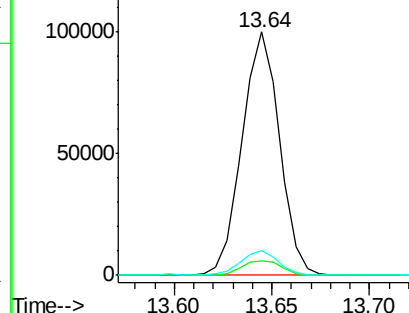
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	6.0	5.4	8.2
164	9.9	8.7	13.1

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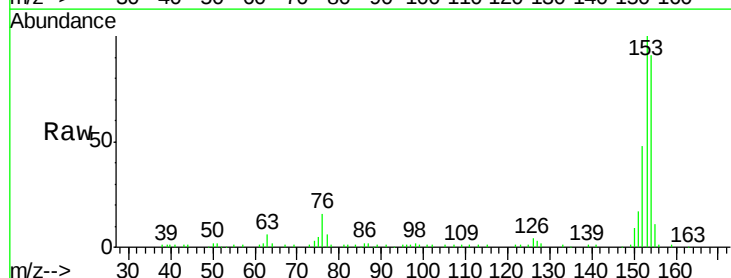


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

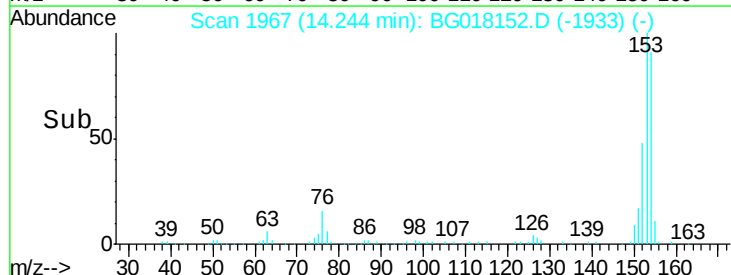
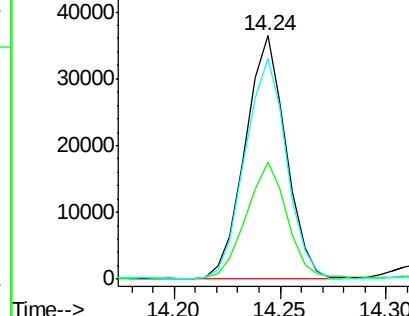


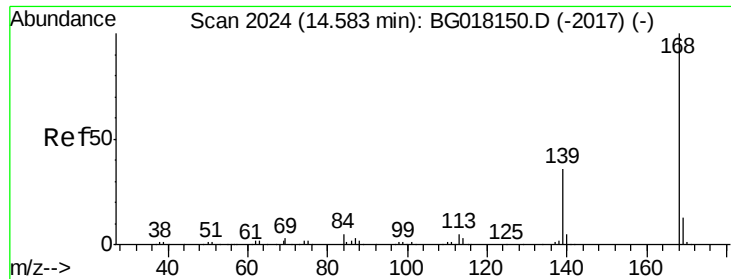
#50
Acenaphthene
Concen: 6.31 ng/ul
RT: 14.24 min Scan# 1967
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
153	100		
152	48.1	38.9	58.3
154	90.7	72.6	108.8



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





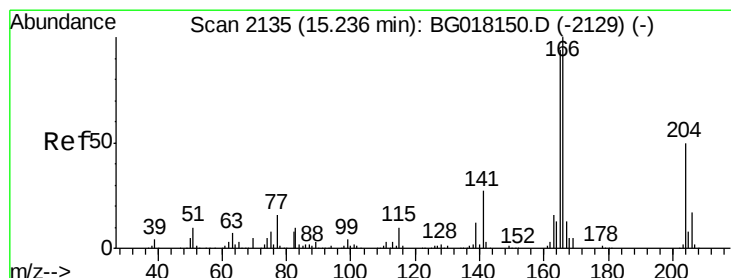
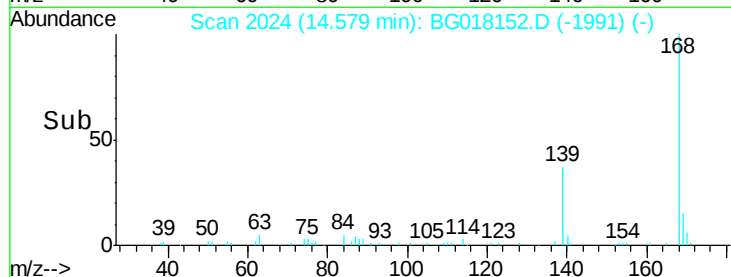
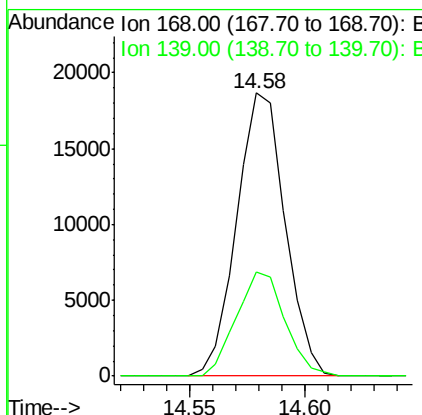
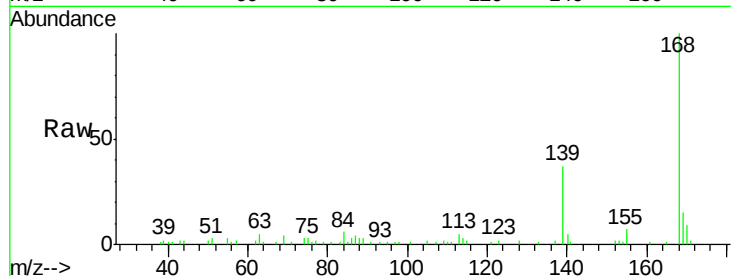
#54
Dibenzenofuran
Concen: 2.48 ng/ul
RT: 14.58 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Instrument :
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ClientSampleId :
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Tgt Ion:168 Resp: 27274
Ion Ratio Lower Upper
168 100
139 36.8 30.6 46.0

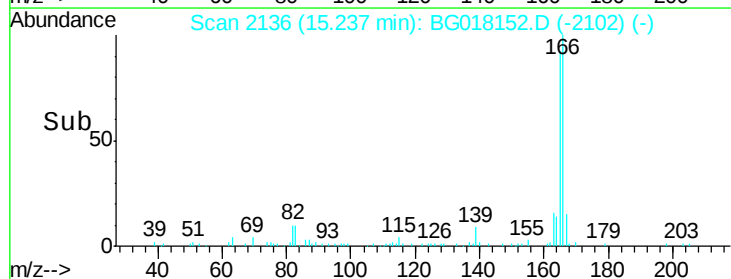
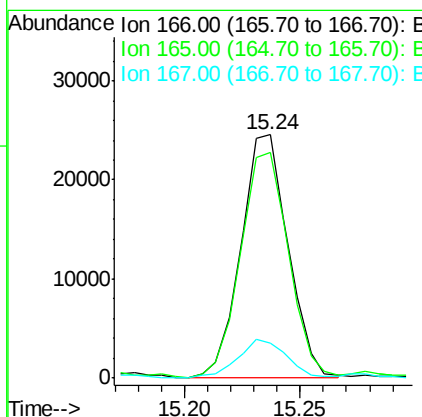
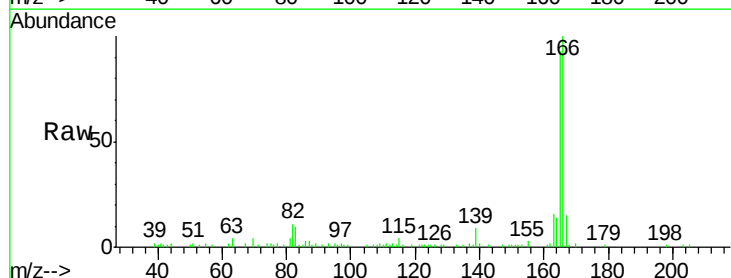
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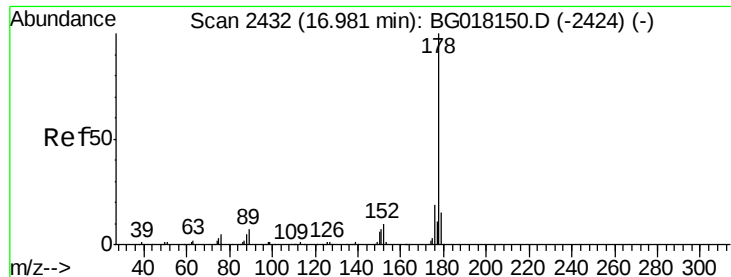
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#59
Fluorene
Concen: 3.70 ng/ul
RT: 15.24 min Scan# 2136
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion:166 Resp: 35023
Ion Ratio Lower Upper
166 100
165 92.6 73.6 110.4
167 14.5 10.8 16.2





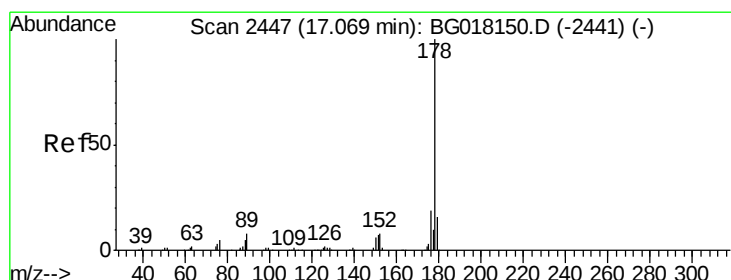
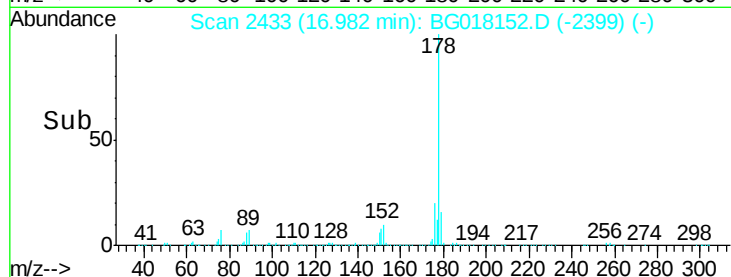
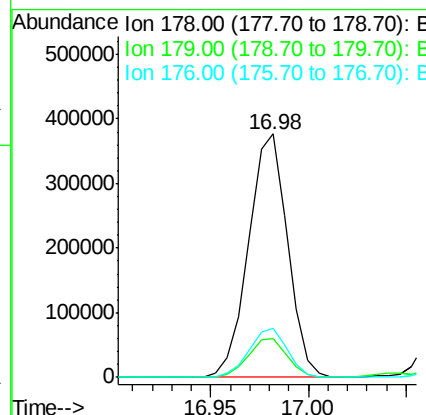
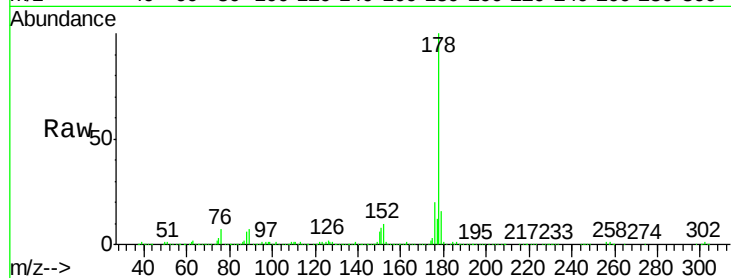
#70
Phenanthrene
Concen: 39.66 ng/ul
RT: 16.98 min Scan# 2433
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

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Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
179	15.9	13.0	19.6
176	20.4	15.8	23.8

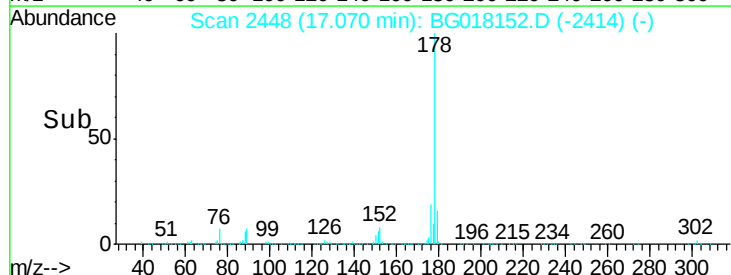
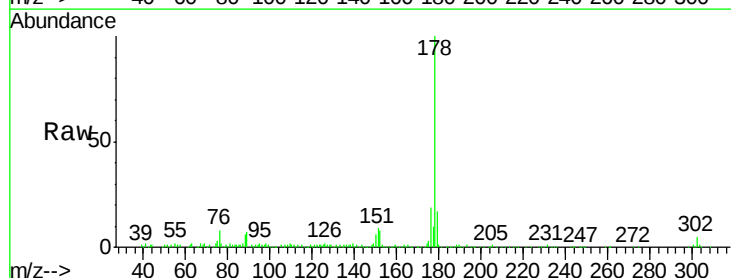
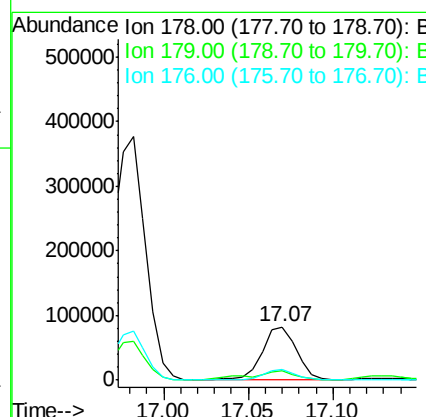
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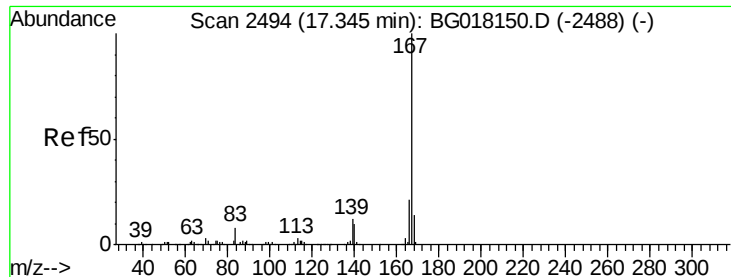
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#72
Anthracene
Concen: 8.76 ng/ul
RT: 17.07 min Scan# 2448
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
179	16.6	12.4	18.6
176	19.0	15.8	23.8





#75

Carbazole

Concen: 6.43 ng/ul

RT: 17.35 min Scan# 2495

Delta R.T. 0.00 min

Lab File: BG018152.D

Acq: 28 Jul 2015 18:36

Instrument :

BNA_G

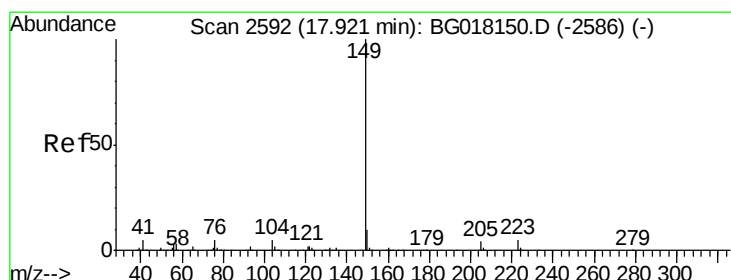
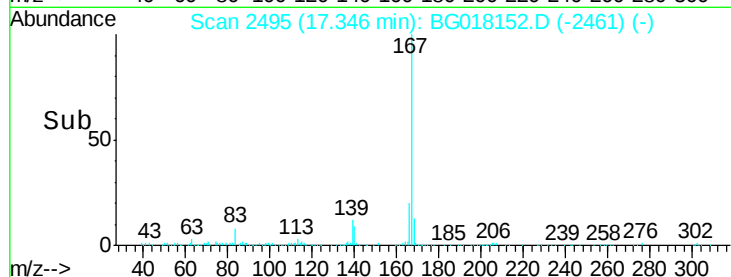
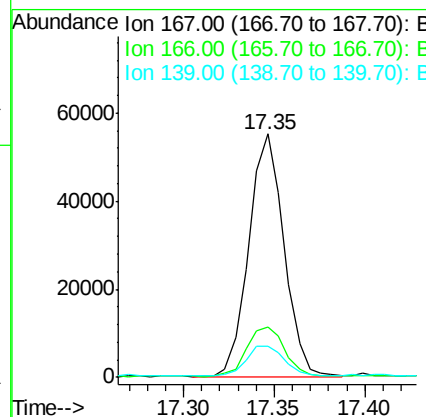
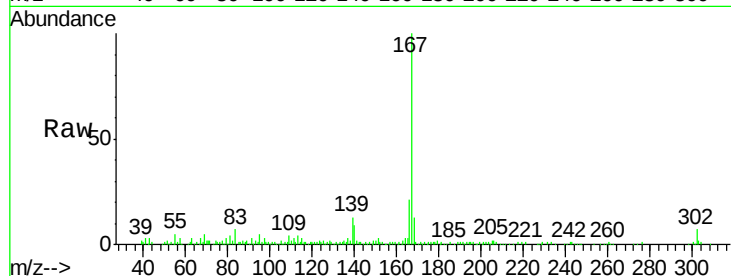
ClientSampleId :

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Tgt Ion:	167	Resp:	73969
Ion Ratio	Lower	Upper	
167	100		
166	20.5	17.4	26.2
139	12.7	10.6	15.8

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#76

Di-n-butylphthalate

Concen: 10.82 ng/ul

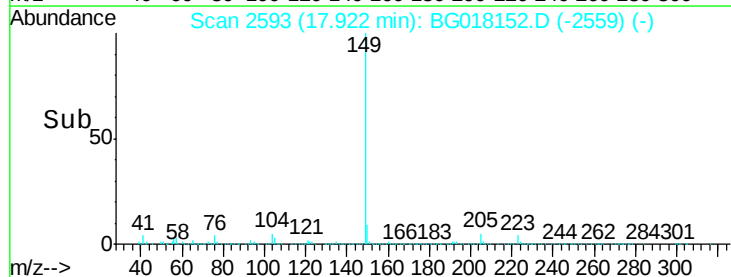
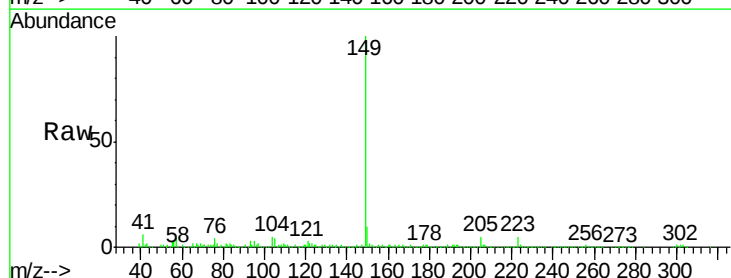
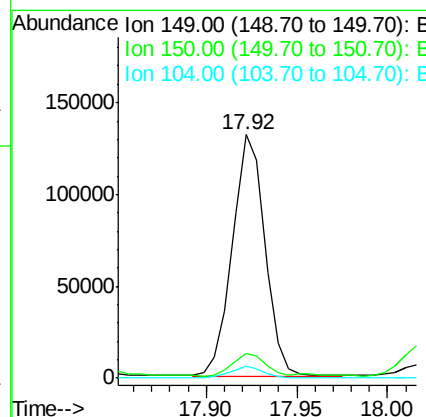
RT: 17.92 min Scan# 2593

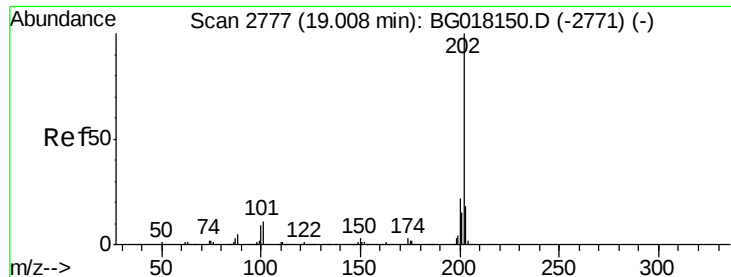
Delta R.T. 0.00 min

Lab File: BG018152.D

Acq: 28 Jul 2015 18:36

Tgt Ion:	149	Resp:	163696
Ion Ratio	Lower	Upper	
149	100		
150	10.4	7.4	11.0
104	4.8	3.8	5.8





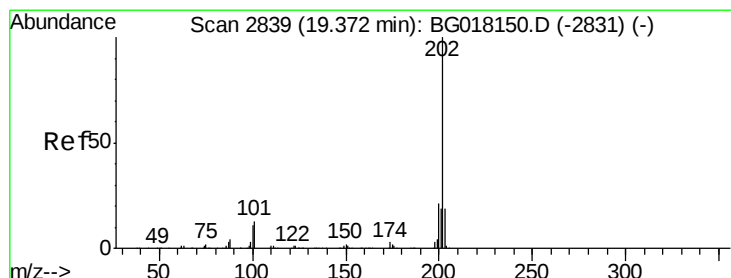
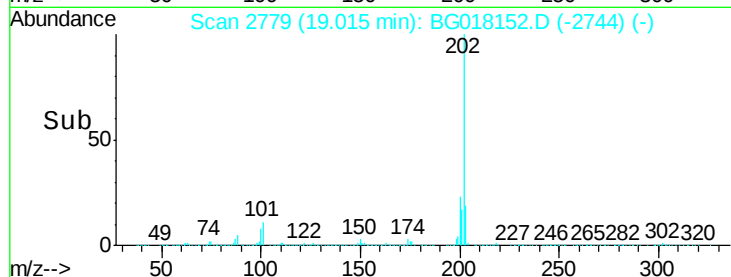
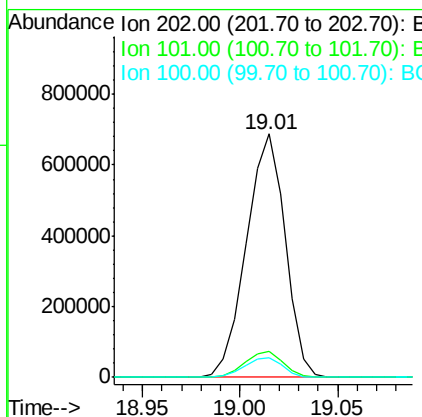
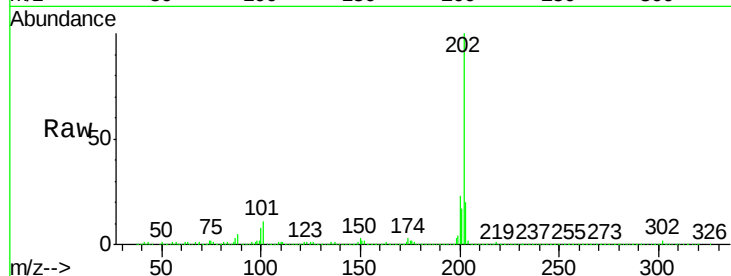
#77
 Fluoranthene
 Concen: 67.68 ng/ul
 RT: 19.01 min Scan# 2779
 Delta R.T. 0.01 min
 Lab File: BG018152.D
 Acq: 28 Jul 2015 18:36

Instrument :
 BNA_G
 ClientSampleId :
 C02K0

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.7	9.1	13.7
100	8.2	7.5	11.3

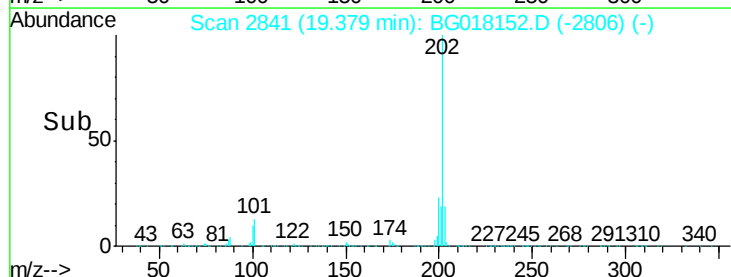
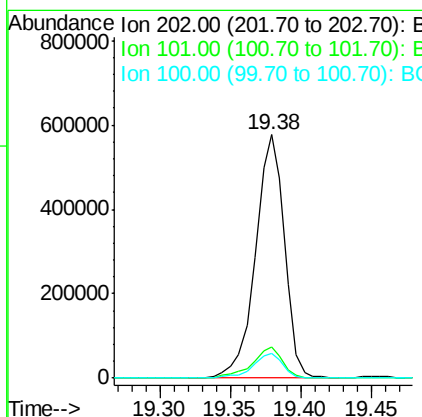
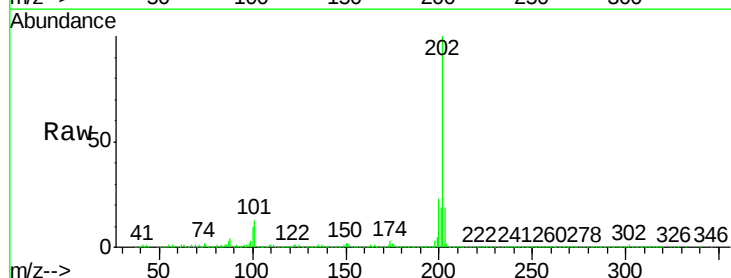
Manual Integrations
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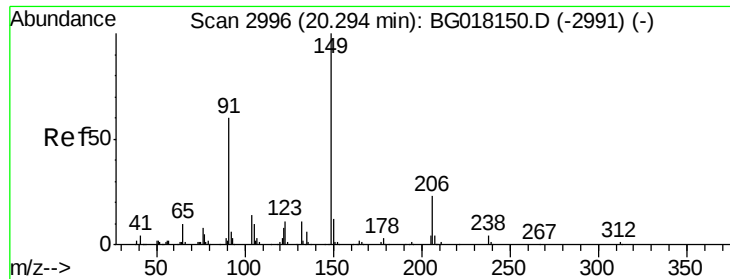
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#80
 Pyrene
 Concen: 50.70 ng/ul
 RT: 19.38 min Scan# 2841
 Delta R.T. 0.01 min
 Lab File: BG018152.D
 Acq: 28 Jul 2015 18:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.8	10.9	16.3
100	10.0	8.5	12.7





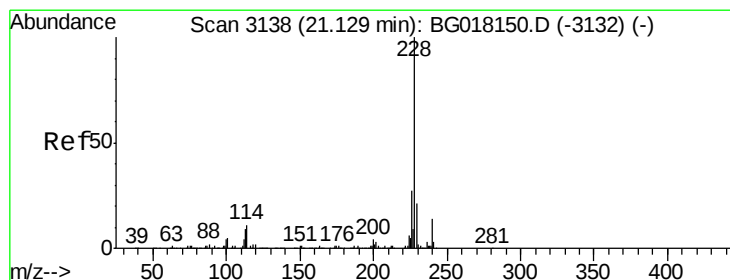
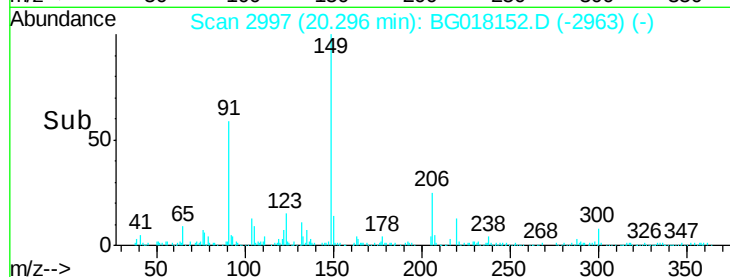
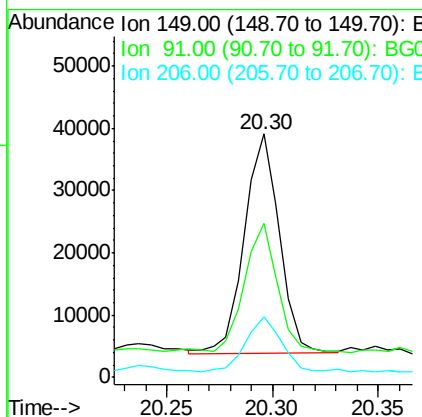
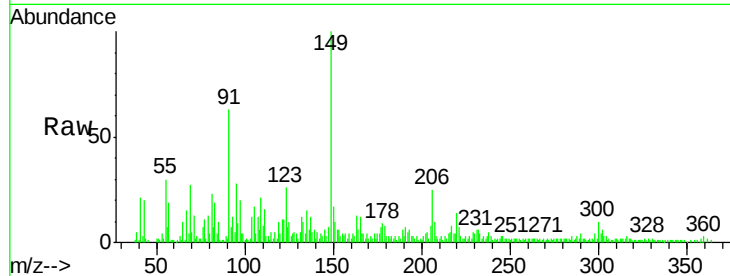
#81
Butylbenzylphthalate
Concen: 6.11 ng/ul
RT: 20.30 min Scan# 2997
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Instrument :
BNA_G
ClientSampled :
C02K0

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	40802		
91	63.3	51.1	76.7	
206	24.6	19.9	29.9	

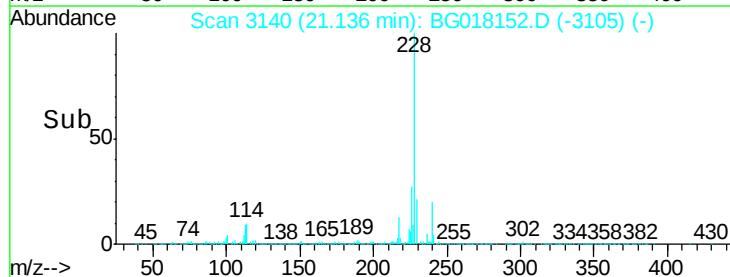
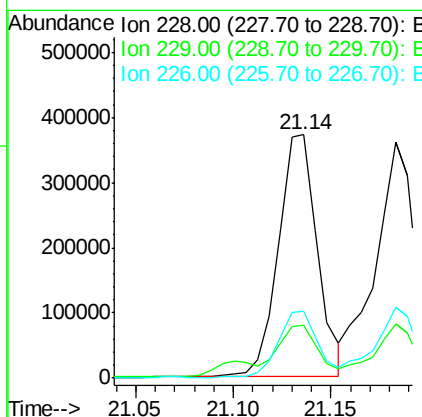
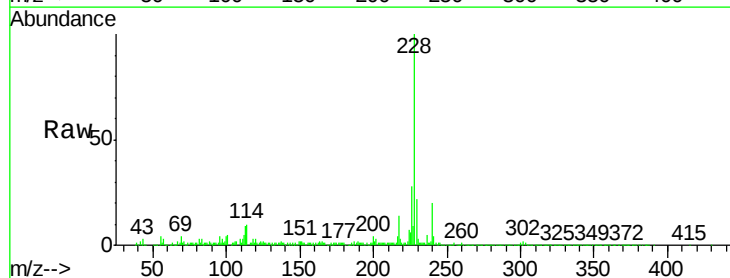
Manual Integrations
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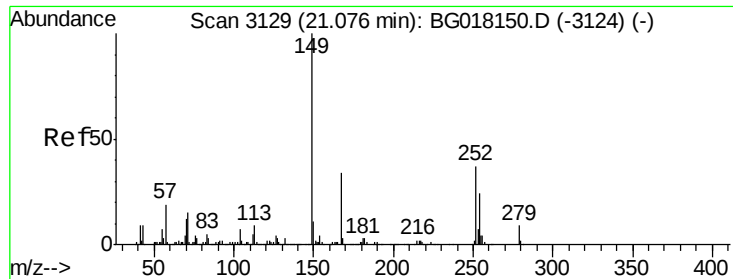
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#83
Benzo(a)anthracene
Concen: 34.04 ng/ul
RT: 21.14 min Scan# 3140
Delta R.T. 0.01 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	512949		
229	21.9	16.6	24.8	
226	27.6	21.1	31.7	





#84

Bis(2-ethylhexyl)phthalate

Concen: 21.66 ng/ul

RT: 21.08 min Scan# 3130

Delta R.T. 0.00 min

Lab File: BG018152.D

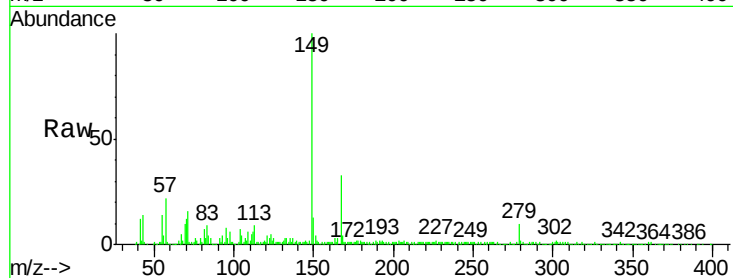
Acq: 28 Jul 2015 18:36

Instrument :

BNA_G

ClientSampleId :

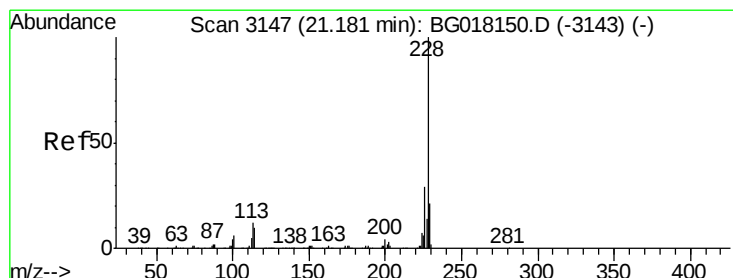
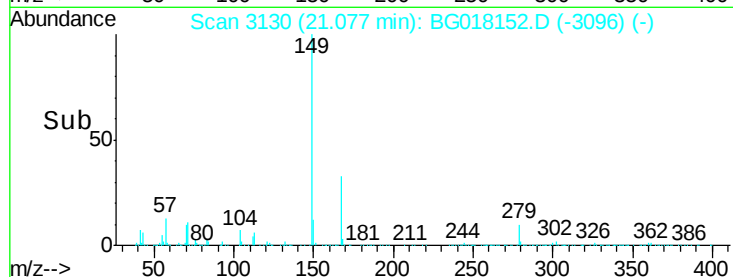
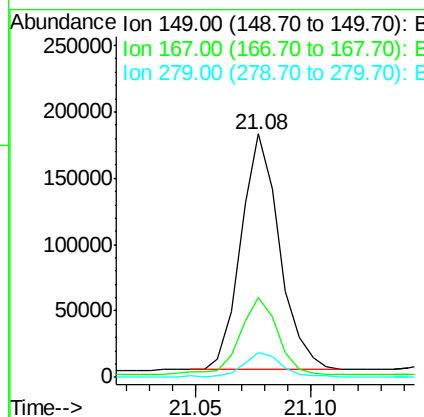
C02K0



Tgt Ion:	149	Resp:	207192
Ion Ratio	Lower	Upper	
149	100		
167	32.9	26.2	39.4
279	9.9	7.2	10.8

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#85

Chrysene

Concen: 35.96 ng/ul

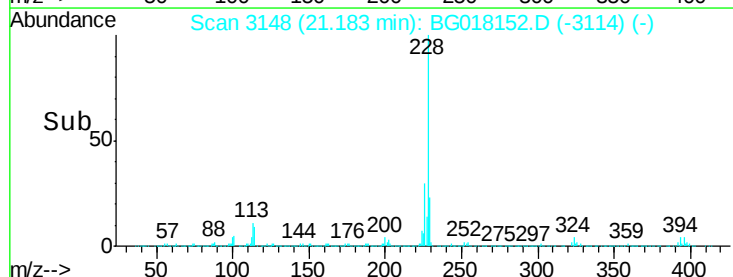
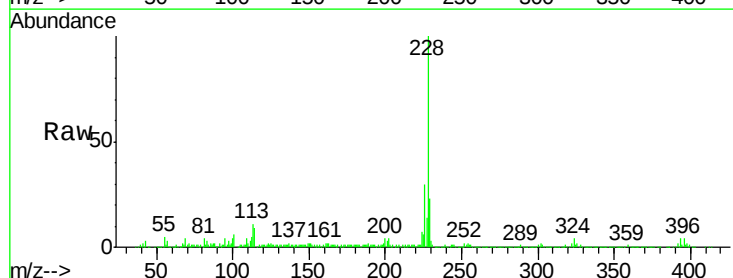
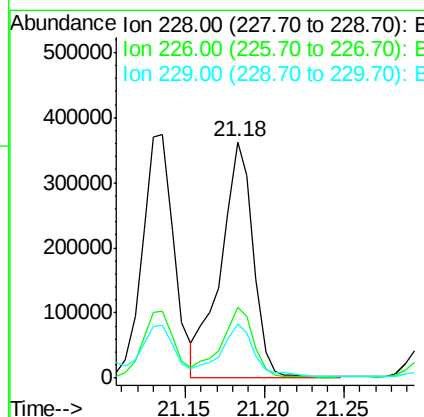
RT: 21.18 min Scan# 3148

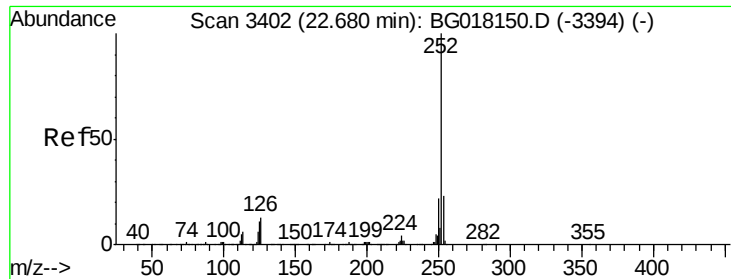
Delta R.T. 0.00 min

Lab File: BG018152.D

Acq: 28 Jul 2015 18:36

Tgt Ion:	228	Resp:	510322
Ion Ratio	Lower	Upper	
228	100		
226	30.2	22.9	34.3
229	23.0	15.6	23.4





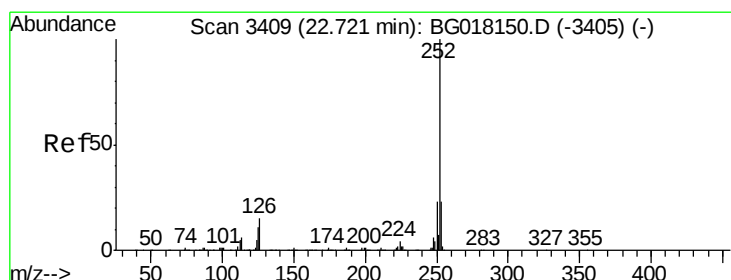
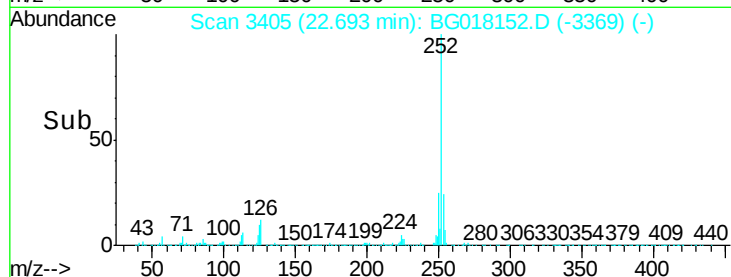
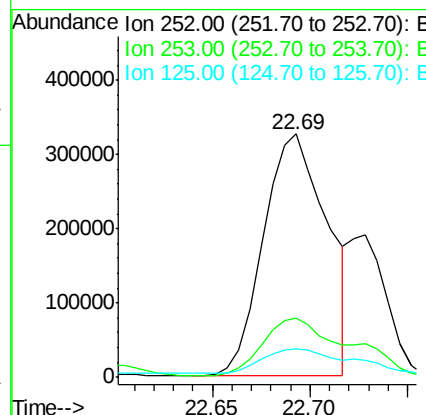
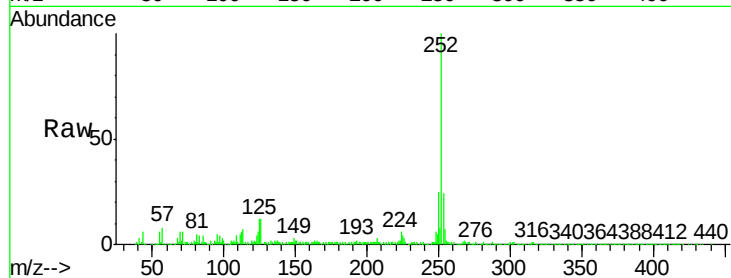
#88
Benzo(b)fluoranthene
Concen: 45.19 ng/ul
RT: 22.69 min Scan# 3405
Delta R.T. 0.01 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Instrument :
BNA_G
ClientSampleId :
C02K0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.5	27.7
125	11.8	9.1	13.7

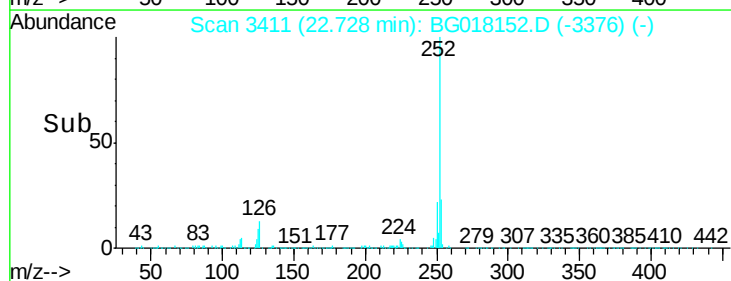
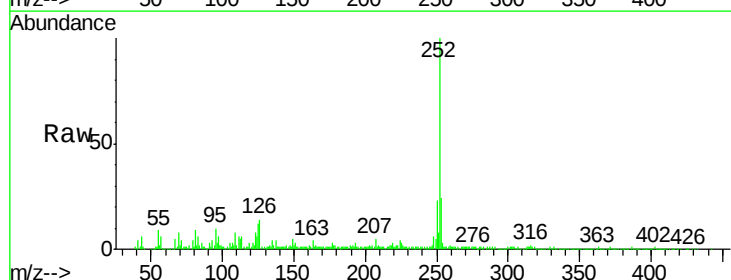
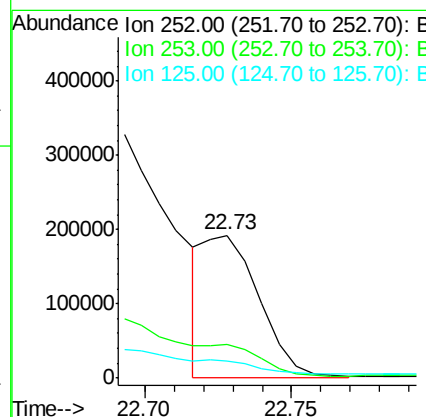
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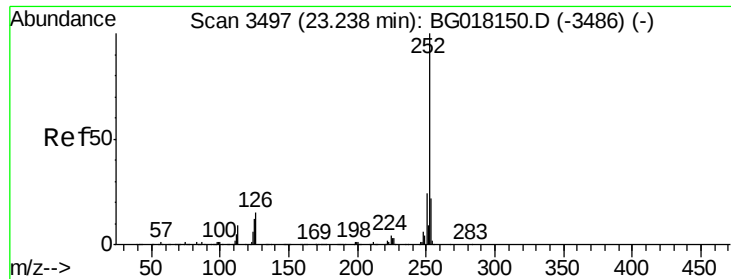
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#89
Benzo(k)fluoranthene
Concen: 15.83 ng/ul m
RT: 22.73 min Scan# 3411
Delta R.T. 0.01 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	12.2	9.3	13.9





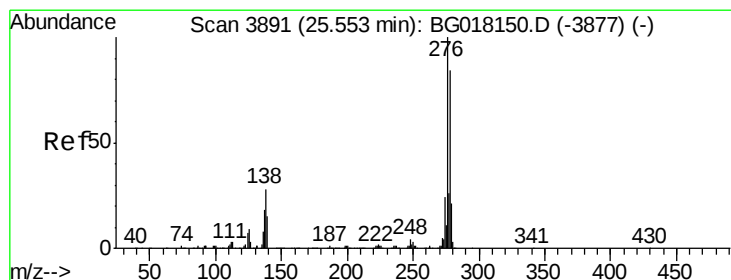
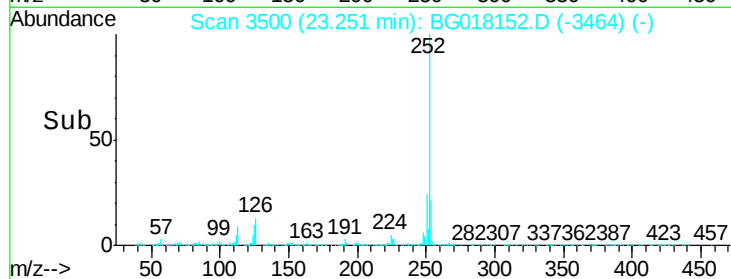
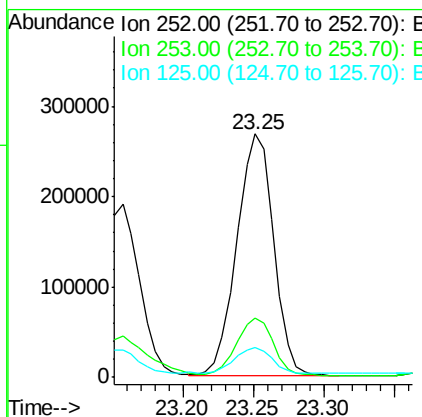
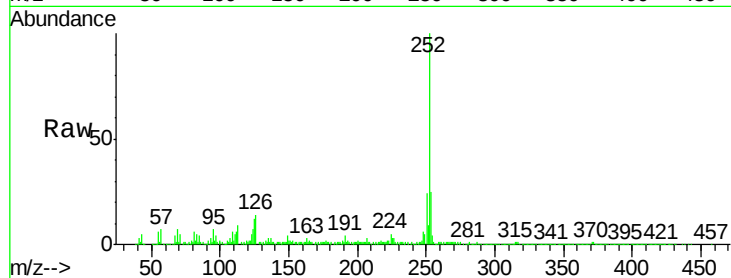
#91
Benzo(a)pyrene
Concen: 30.90 ng/ul
RT: 23.25 min Scan# 3500
Delta R.T. 0.01 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Instrument :
BNA_G
ClientSampleId :
C02K0

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.5	18.0	27.0
125	12.3	10.2	15.2

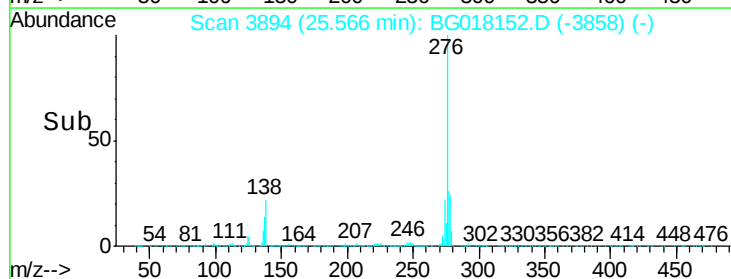
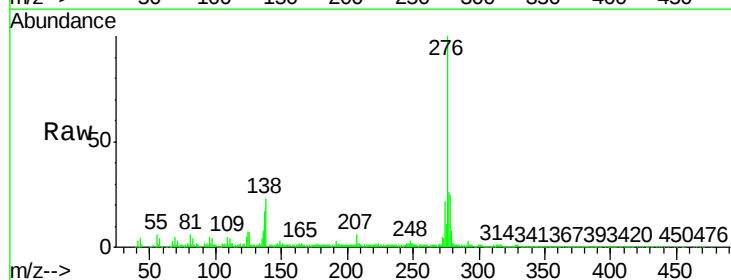
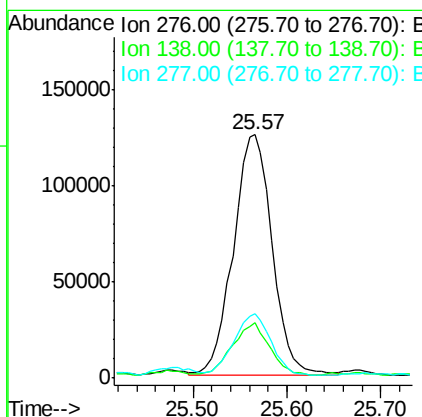
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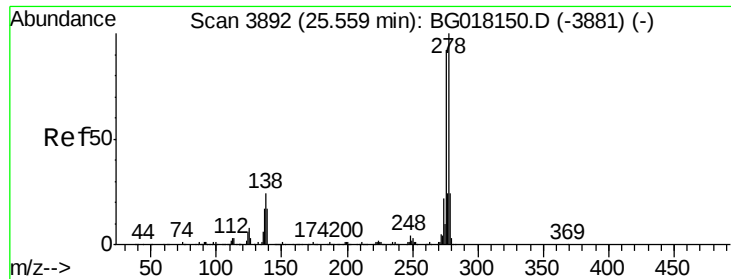
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#92
Indeno(1,2,3-cd)pyrene
Concen: 19.75 ng/ul
RT: 25.57 min Scan# 3894
Delta R.T. 0.01 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	22.6	22.6	33.8
277	26.3	19.8	29.8





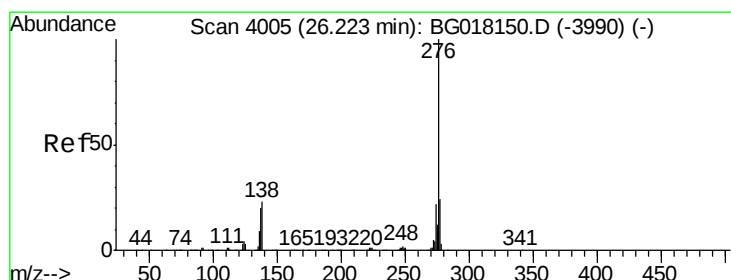
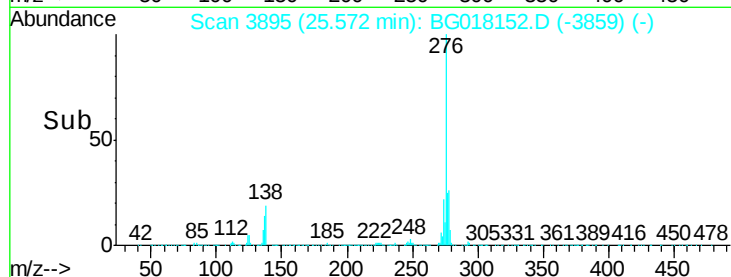
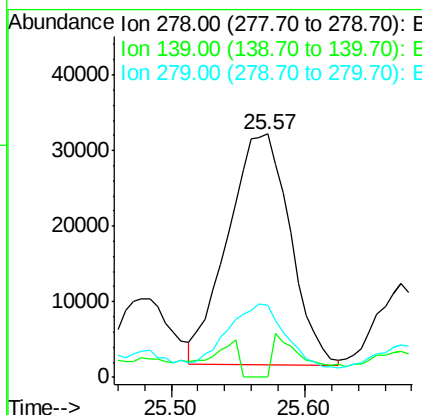
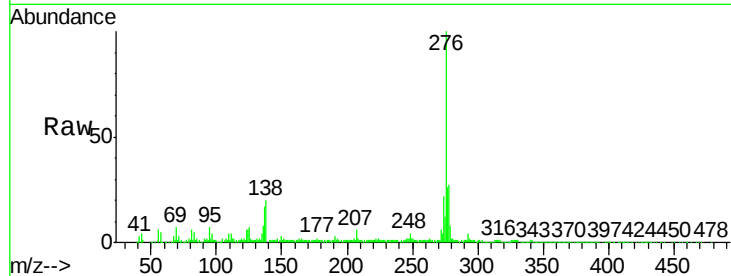
#93
Dibenzo(a,h)anthracene
Concen: 6.34 ng/ul
RT: 25.57 min Scan# 3895
Delta R.T. 0.01 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Instrument :
BNA_G
ClientSampleId :
C02K0

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.7	20.5#
279	29.4	18.1	27.1#

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 21.22 ng/ul
RT: 26.25 min Scan# 4010
Delta R.T. 0.02 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	18.8	28.2
277	24.7	19.3	28.9

