

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
 Data File : BG018338.D
 Acq On : 9 Aug 2015 21:02
 Operator : UM/TP
 Sample : G3136-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02J7

Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 7:25:42 PM

Quant Time: Aug 10 07:58:52 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 10 07:50:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	124830	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	565918	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	345777	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	742211	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	503552	20.00	ng/ul	0.04
86) Perylene-d12	25.04	264	452070m	20.00	ng/ul	0.12

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.52	96	4838	1.71	ng/uL	0.00
5) Phenol-d5	7.22	99	116896	10.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	78610	11.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	97109	11.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	100485	10.56	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	49656	11.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	49087	10.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	98948	10.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	33684	3.13	ng/ul	0.00
44) Dimethylphthalate-d6	14.09	166	289701	9.96	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	382248	10.43	ng/ul	0.00
52) 4-Nitrophenol-d4	14.85	143	27158	5.19	ng/ul	0.00
58) Fluorene-d10	15.68	176	252639	9.97	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.78	200	25845	7.08	ng/ul	0.00
71) Anthracene-d10	17.53	188	359321m	10.12	ng/ul	0.00
79) Pyrene-d10	19.83	212	318164	12.18	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.81	264	293643m	12.24	ng/ul	0.11

Target Compounds

					Ovalue
14) Acetophenone	8.88	105	60170	4.38 ng/ul#	45
16) 4-Methylphenol	8.82	108	31334	3.20 ng/ul	97
24) 2,4-Dimethylphenol	10.03	107	62375	5.58 ng/ul	91
28) Naphthalene	10.92	128	357113	11.94 ng/ul	98
34) 2-Methylnaphthalene	12.52	142	155231	7.17 ng/ul	91
35) 1-Methylnaphthalene	12.74	142	114694	5.42 ng/ul	100
41) 1,1'-Biphenyl	13.53	154	82900	2.87 ng/ul	95
45) Dimethylphthalate	14.14	163	118631	4.13 ng/ul#	93
50) Acenaphthene	14.75	153	219209	8.50 ng/ul	98
54) Dibenzofuran	15.08	168	173742	5.16 ng/ul	92
59) Fluorene	15.73	166	236061	8.15 ng/ul	99
70) Phenanthrene	17.48	178	1714647	42.58 ng/ul	95
72) Anthracene	17.57	178	505464	12.32 ng/ul	96
75) Carbazole	17.83	167	180246	5.01 ng/ul#	89
77) Fluoranthene	19.50	202	2336063	54.32 ng/ul#	93
80) Pyrene	19.86	202	2049057	60.18 ng/ul#	93
81) Butylbenzylphthalate	20.74	149	188451	13.08 ng/ul#	68
83) Benzo(a)anthracene	21.70	228	942587	30.19 ng/ul#	91
84) Bis(2-ethylhexyl)phthalate	21.63	149	3467201	170.39 ng/ul#	59
85) Chrysene	21.77	228	850967m	29.15 ng/ul	
88) Benzo(b)fluoranthene	23.98	252	1093815m	38.51 ng/ul	
89) Benzo(k)fluoranthene	24.04	252	345753m	12.64 ng/ul	
91) Benzo(a)pyrene	24.88	252	669963m	24.81 ng/ul	

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C02J7

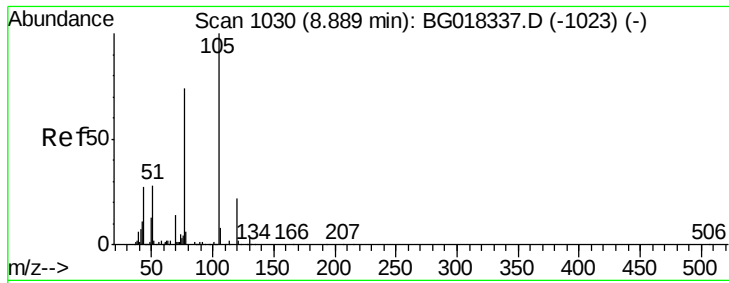
Manual Integrations
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Quant Time: Aug 10 07:58:52 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:50:23 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Indeno(1,2,3-cd)pyrene	28.84	276	380019m	12.16	ng/ul	
94) Benzo(g,h,i)perylene	30.02	276	329527m	12.56	ng/ul	

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



#14

Acetophenone

Concen: 4.38 ng/ul

RT: 8.88 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BG018338.D

Acq: 9 Aug 2015 21:02

Instrument :

BNA_G

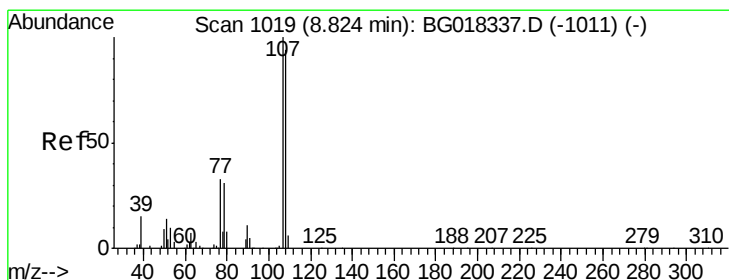
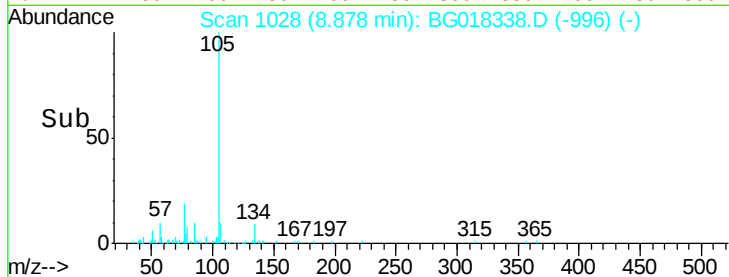
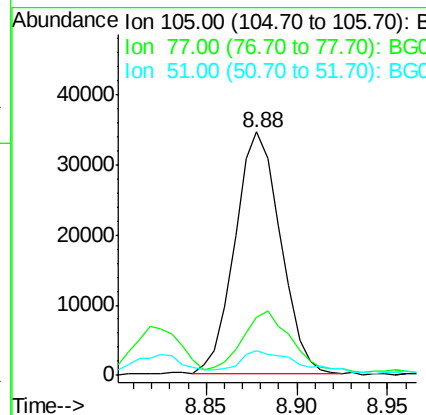
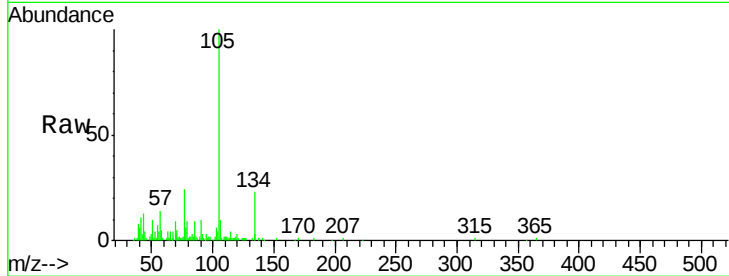
ClientSampleId :

C02J7

Tot Ion:	105	Resp:	60170
Ion Ratio		Lower	Upper
105	100		
77	23.7	61.9	92.9#
51	10.4	25.5	38.3#

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#16

4-Methylphenol

Concen: 3.20 ng/ul

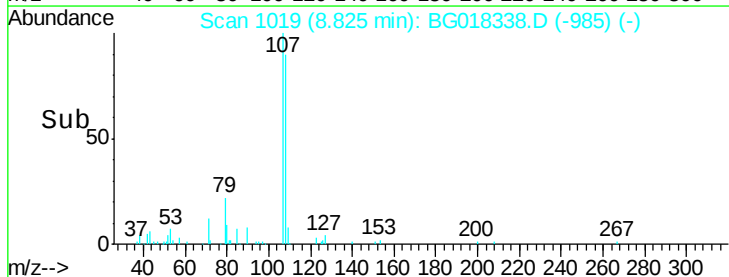
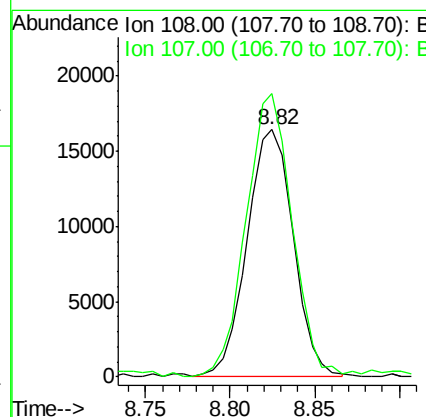
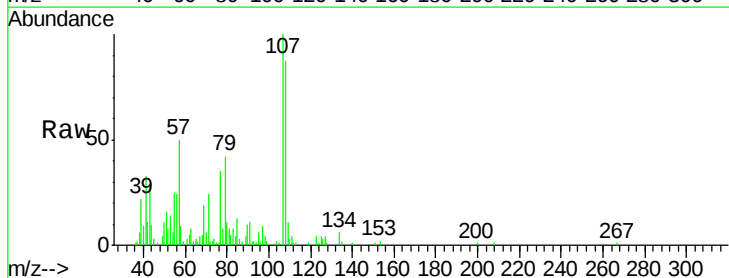
RT: 8.82 min Scan# 1019

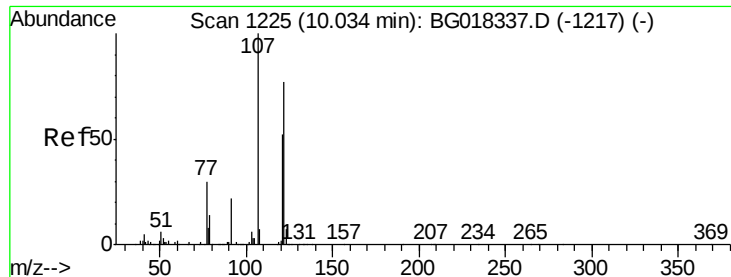
Delta R.T. 0.00 min

Lab File: BG018338.D

Acq: 9 Aug 2015 21:02

Tgt Ion:	108	Resp:	31334
Ion Ratio		Lower	Upper
108	100		
107	114.6	94.6	142.0





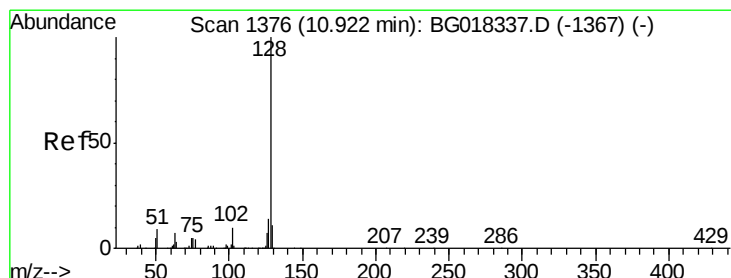
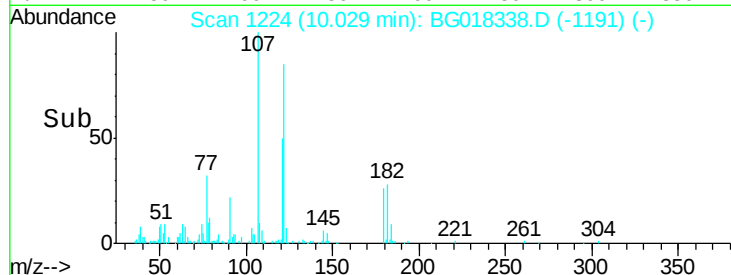
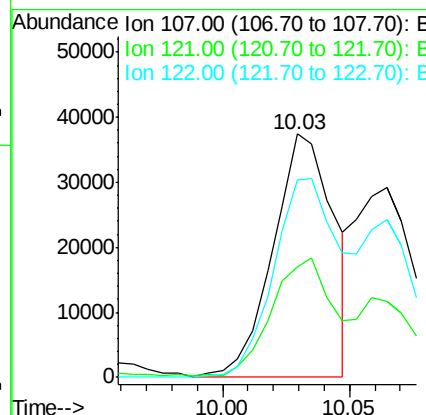
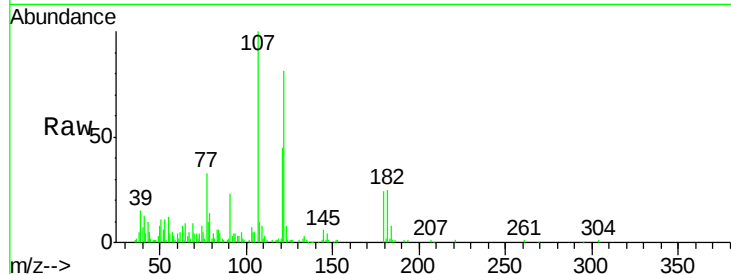
#24
2,4-Dimethylphenol
Concen: 5.58 ng/ul
RT: 10.03 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BG018338.D
Acq: 9 Aug 2015 21:02

Instrument :
BNA_G
ClientSampled :
C02J7

Tot Ion	Ratio	Lower	Upper
107	100		
121	45.3	41.3	61.9
122	81.3	71.9	107.9

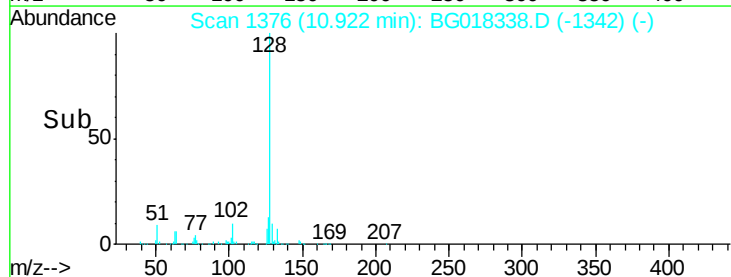
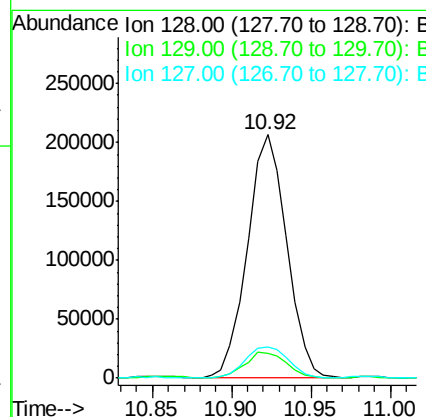
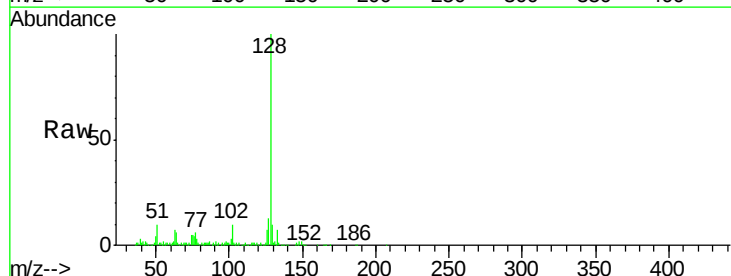
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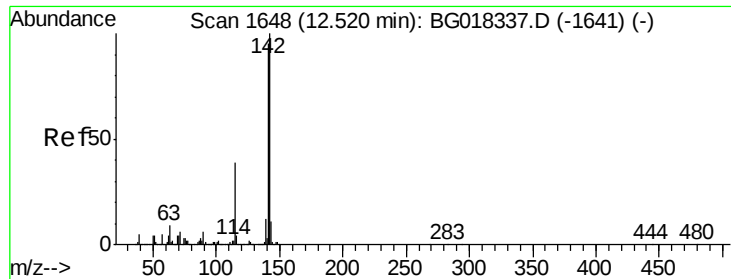
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#28
Naphthalene
Concen: 11.94 ng/ul
RT: 10.92 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BG018338.D
Acq: 9 Aug 2015 21:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.2	9.6	14.4
127	13.0	10.5	15.7





#34

2-Methylnaphthalene

Concen: 7.17 ng/ul

RT: 12.52 min Scan# 1648

Delta R.T. 0.00 min

Lab File: BG018338.D

Acq: 9 Aug 2015 21:02

Instrument :

BNA_G

ClientSampleId :

C02J7

Tot Ion:142 Resp: 155231

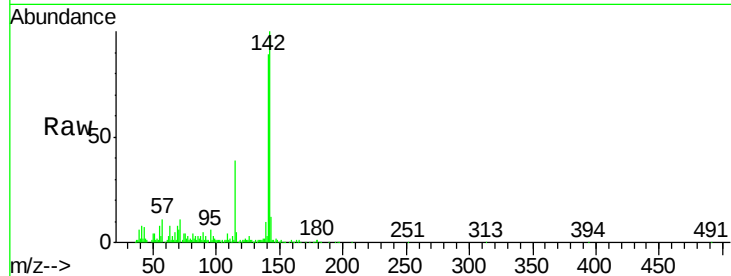
Ion Ratio Lower Upper

142 100

141 88.8 78.0 117.0

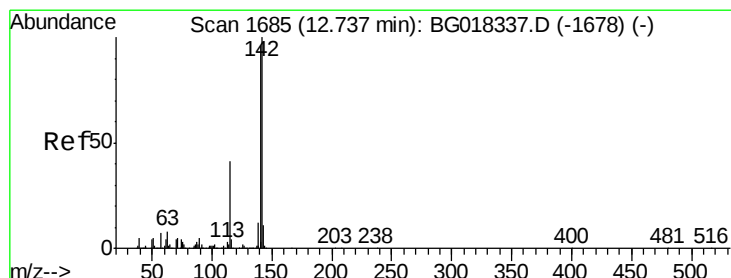
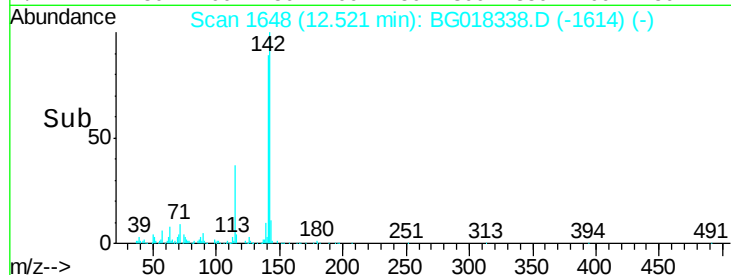
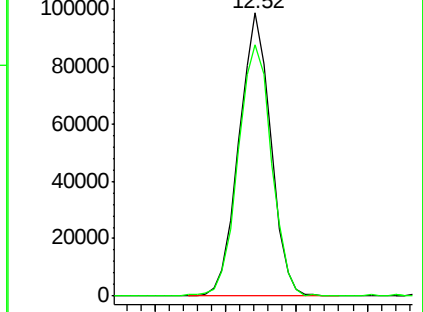
Manual Integrations
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 5.42 ng/ul

RT: 12.74 min Scan# 1685

Delta R.T. 0.00 min

Lab File: BG018338.D

Acq: 9 Aug 2015 21:02

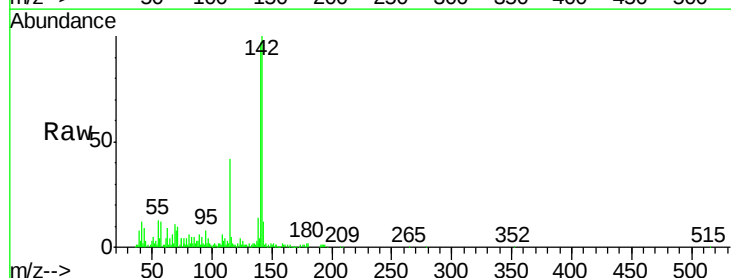
Tgt Ion:142 Resp: 114694

Ion Ratio Lower Upper

142 100

141 96.7 77.1 115.7

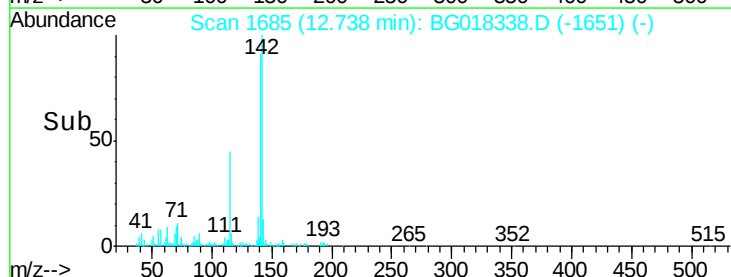
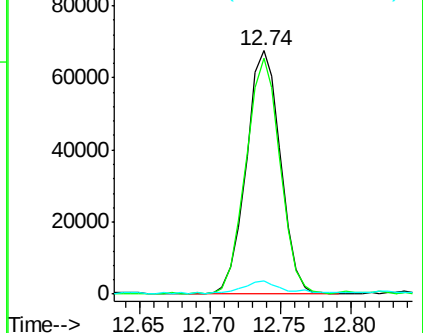
116 5.2 3.5 5.3

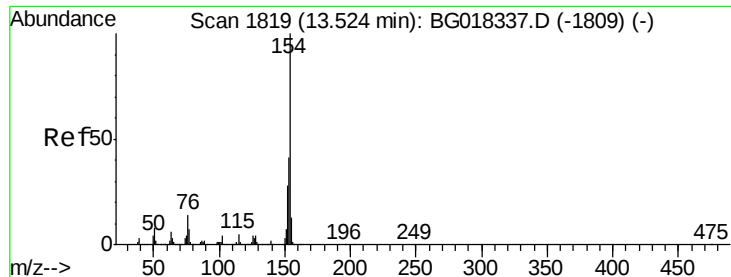


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





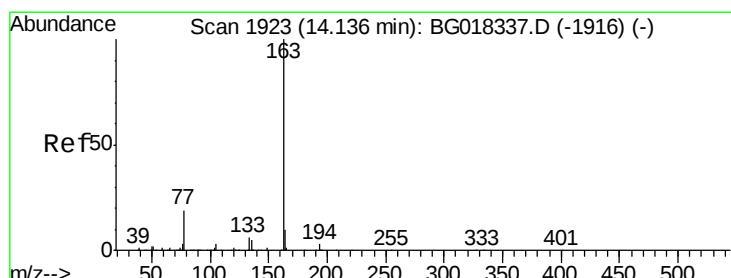
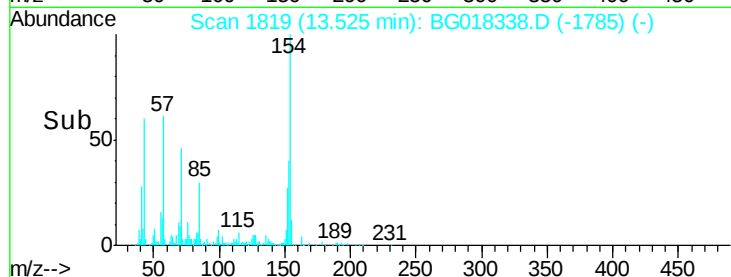
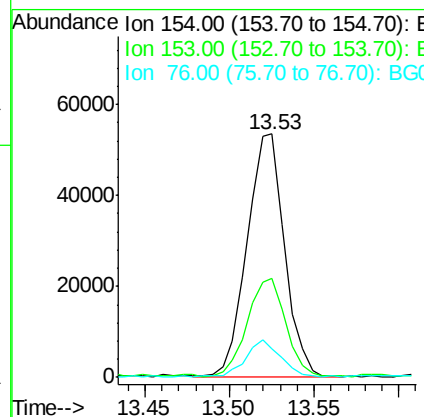
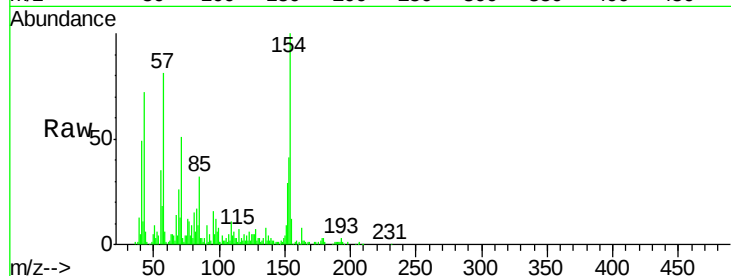
#41
 1,1'-Biphenyl
 Concen: 2.87 ng/ul
 RT: 13.53 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: BG018338.D
 Acq: 9 Aug 2015 21:02

Instrument :
 BNA_G
 ClientSampleId :
 C02J7

Tot Ion:	154	Resp:	82900
Ion Ratio	Lower	Upper	
154	100		
153	40.9	35.2	52.8
76	11.7	10.6	16.0

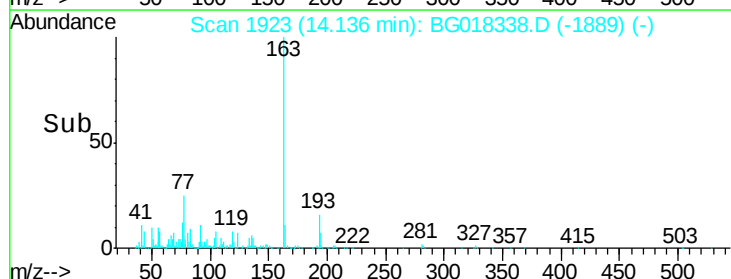
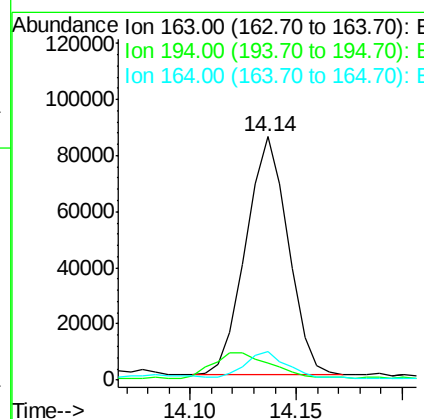
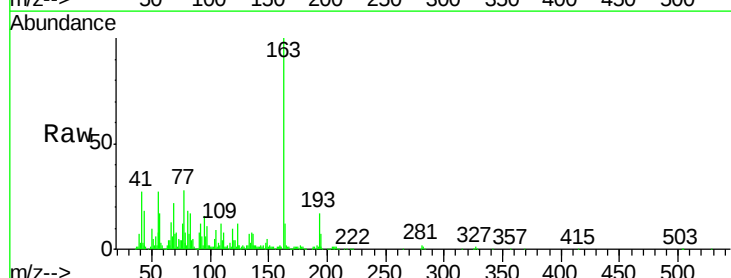
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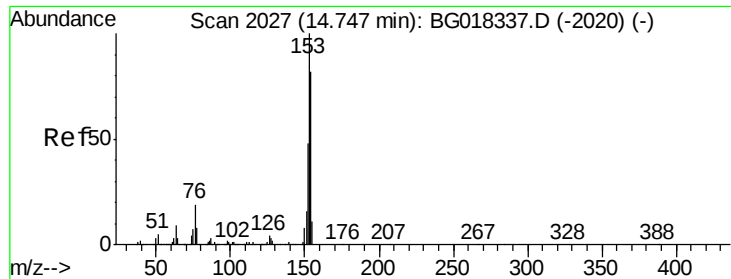
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#45
 Dimethylphthalate
 Concen: 4.13 ng/ul
 RT: 14.14 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: BG018338.D
 Acq: 9 Aug 2015 21:02

Tgt Ion:	163	Resp:	118631
Ion Ratio	Lower	Upper	
163	100		
194	7.2	2.9	4.3#
164	11.5	7.7	11.5





#50

Acenaphthene

Concen: 8.50 ng/ul

RT: 14.75 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BG018338.D

Acq: 9 Aug 2015 21:02

Instrument :

BNA_G

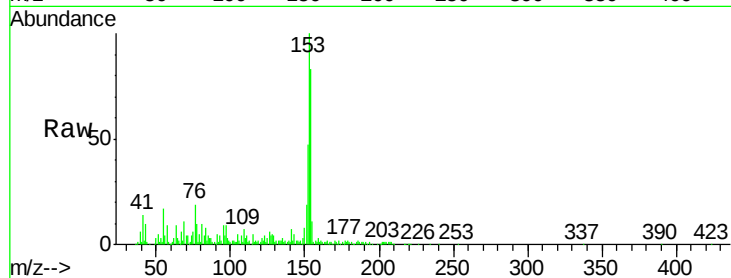
ClientSampleId :

C02J7

Tot Ion:	153	Resp:	219209
Ion Ratio	Lower	Upper	
153	100		
152	46.6	38.2	57.4
154	83.2	68.6	103.0

Manual Integrations
APPROVED

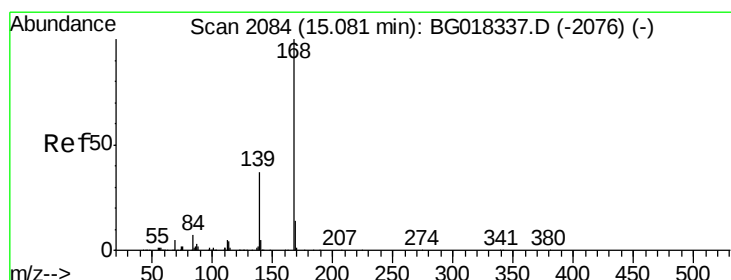
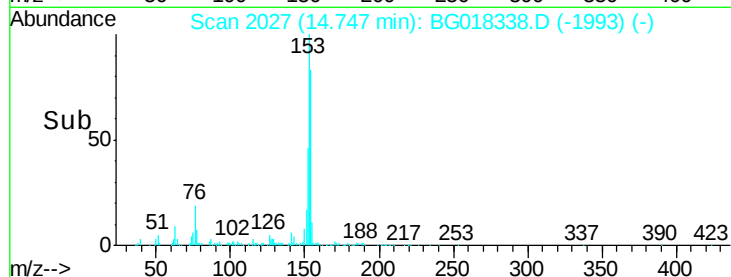
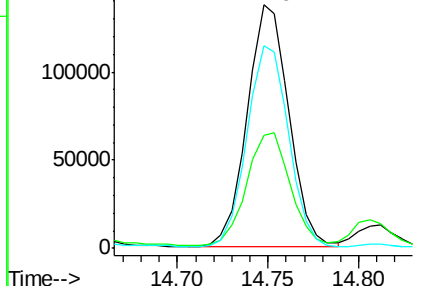
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 5.16 ng/ul

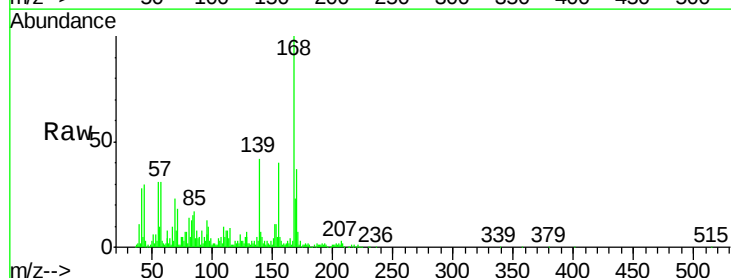
RT: 15.08 min Scan# 2084

Delta R.T. 0.00 min

Lab File: BG018338.D

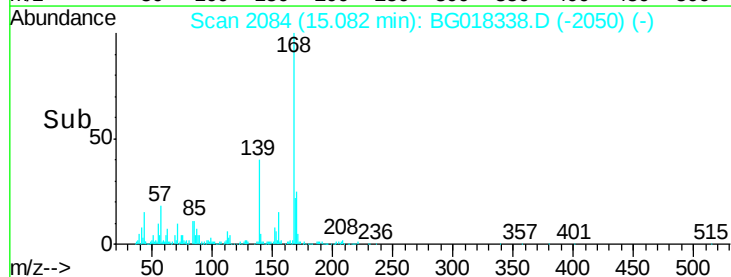
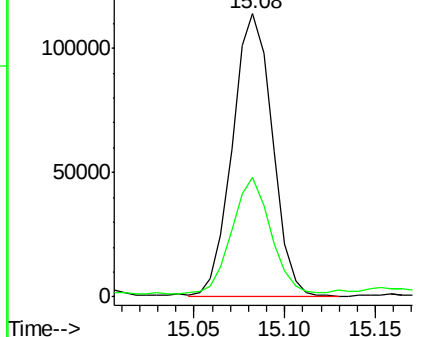
Acq: 9 Aug 2015 21:02

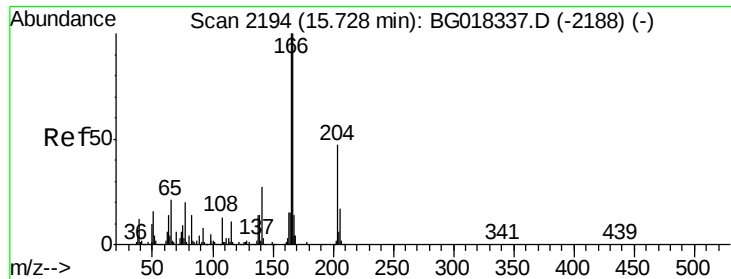
Tgt Ion:	168	Resp:	173742
Ion Ratio	Lower	Upper	
168	100		
139	42.0	29.7	44.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





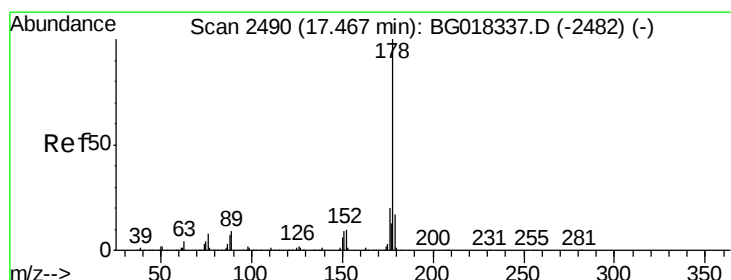
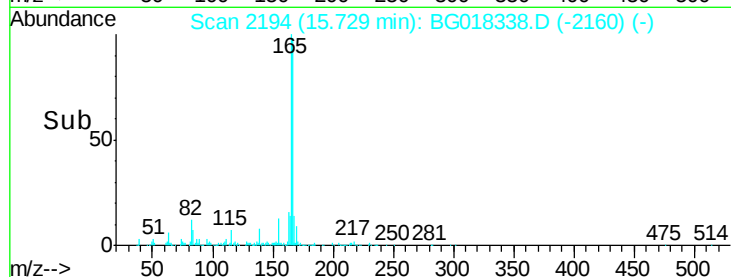
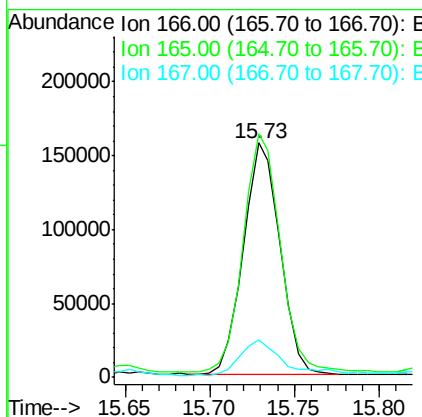
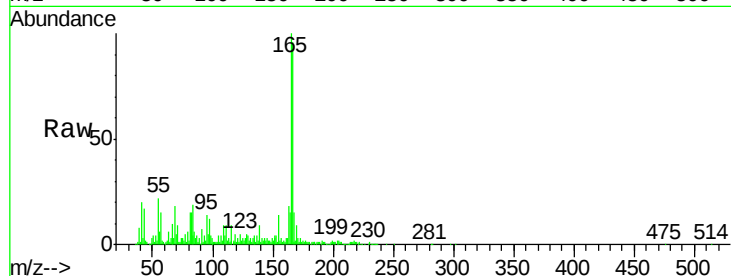
#59
Fluorene
 Concen: 8.15 ng/ul
 RT: 15.73 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: BG018338.D
 Acq: 9 Aug 2015 21:02

Instrument :
 BNA_G
 ClientSampleId :
 C02J7

Tot Ion	Ratio	Resp	Lower	Upper
166	100	236061		
165	104.0		82.6	124.0
167	15.8		11.4	17.0

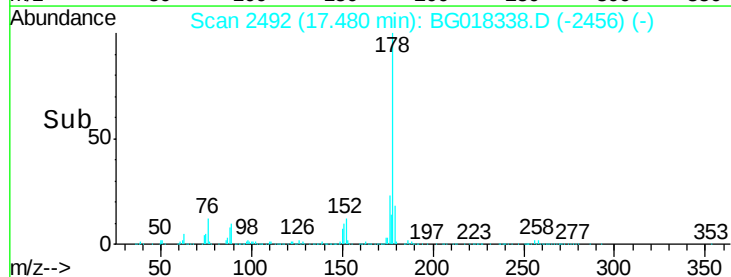
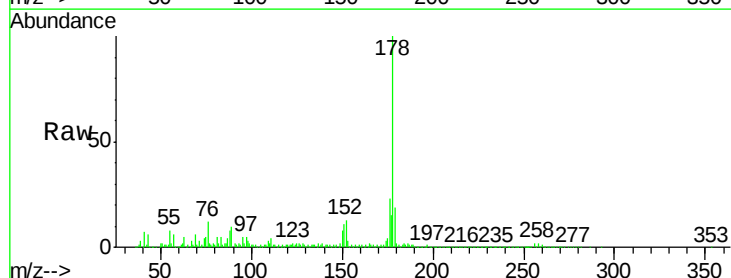
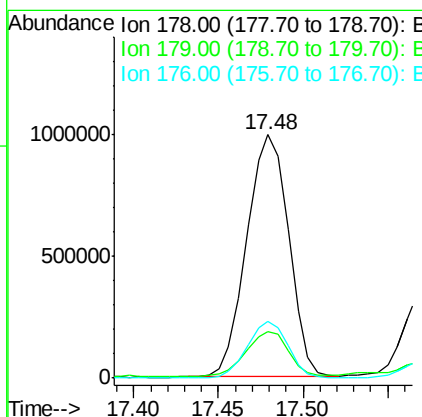
Manual Integrations
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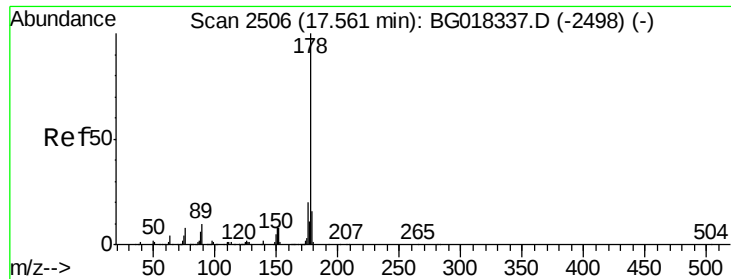
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#70
Phenanthrene
 Concen: 42.58 ng/ul
 RT: 17.48 min Scan# 2492
 Delta R.T. 0.01 min
 Lab File: BG018338.D
 Acq: 9 Aug 2015 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1714647		
179	19.1		13.7	20.5
176	23.3		16.6	24.8





#72

Anthracene

Concen: 12.32 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. 0.01 min

Lab File: BG018338.D

Acq: 9 Aug 2015 21:02

Instrument :

BNA_G

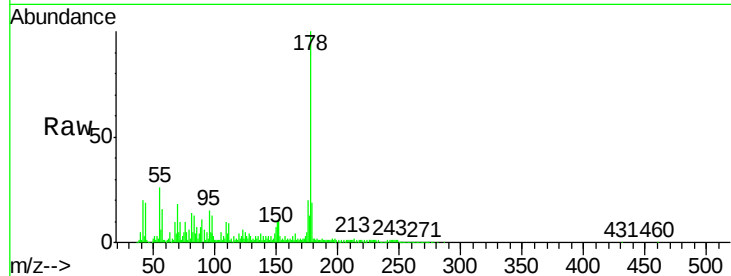
ClientSampleId :

C02J7

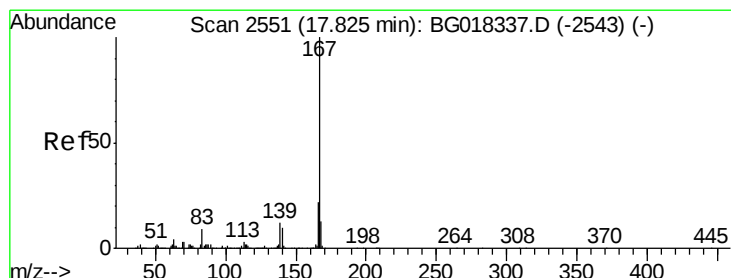
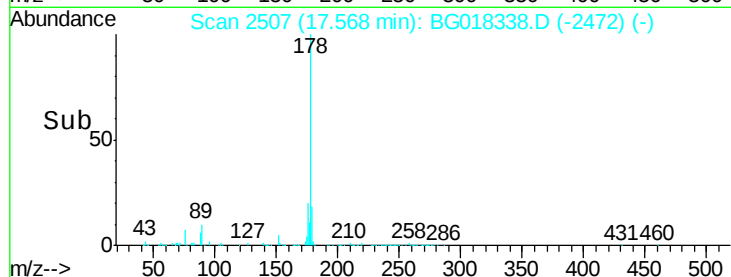
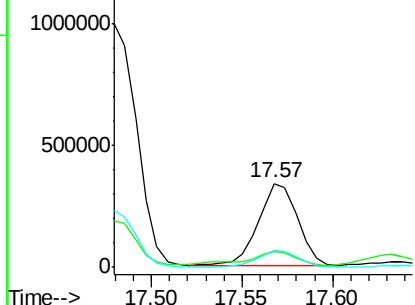
Tot Ion:	178	Resp:	505464
Ion Ratio	Lower	Upper	
178	100		
179	19.2	13.0	19.4
176	20.4	16.0	24.0

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 5.01 ng/ul

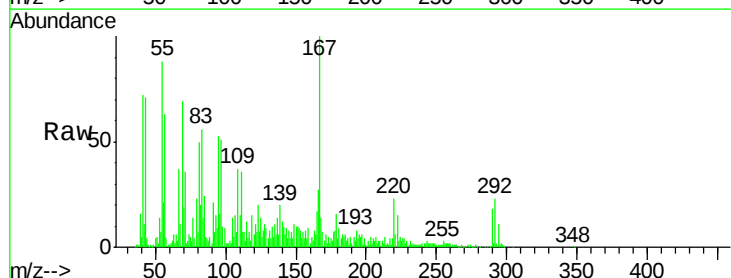
RT: 17.83 min Scan# 2551

Delta R.T. 0.00 min

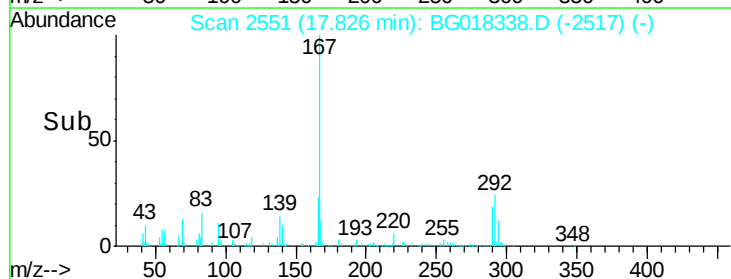
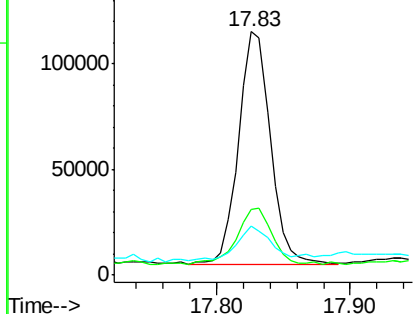
Lab File: BG018338.D

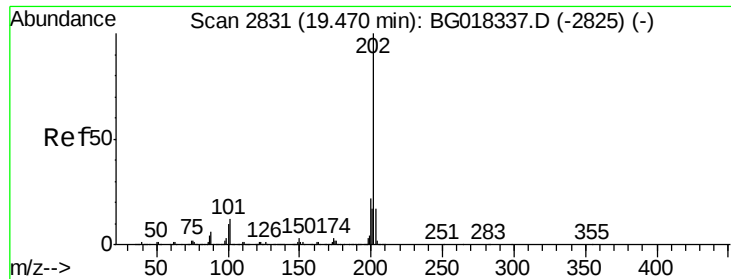
Acq: 9 Aug 2015 21:02

Tgt Ion:	167	Resp:	180246
Ion Ratio	Lower	Upper	
167	100		
166	27.0	18.9	28.3
139	20.0	10.1	15.1#



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





#77

Fluoranthene

Concen: 54.32 ng/ul

RT: 19.50 min Scan# 2836

Delta R.T. 0.03 min

Lab File: BG018338.D

Acq: 9 Aug 2015 21:02

Instrument :

BNA_G

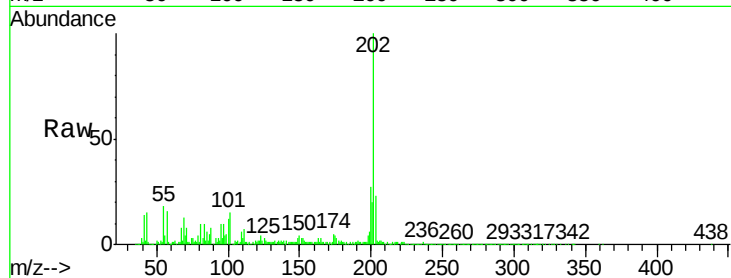
ClientSampleId :

C02J7

Tot Ion:	202	Resp:	2336063
Ion	Ratio	Lower	Upper
202	100		
101	15.1	9.7	14.5#
100	11.8	7.8	11.8#

Manual Integrations
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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

19.50

1500000

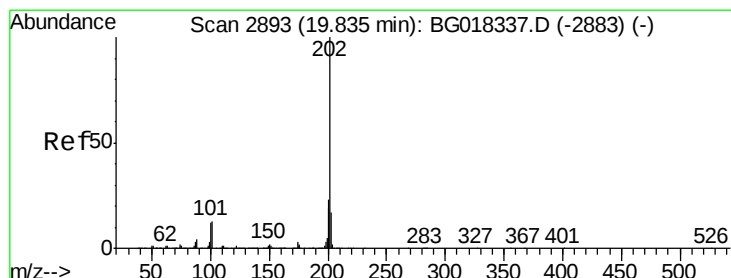
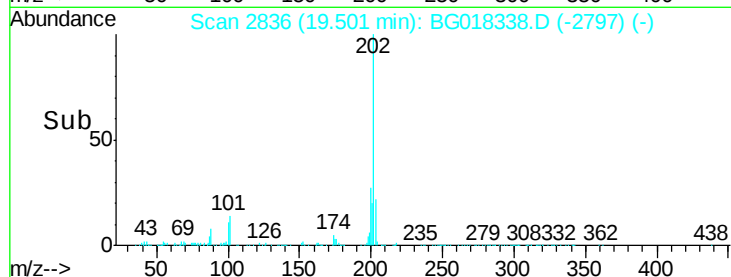
1000000

500000

0

19.45 19.50 19.55

Time-->



#80

Pyrene

Concen: 60.18 ng/ul

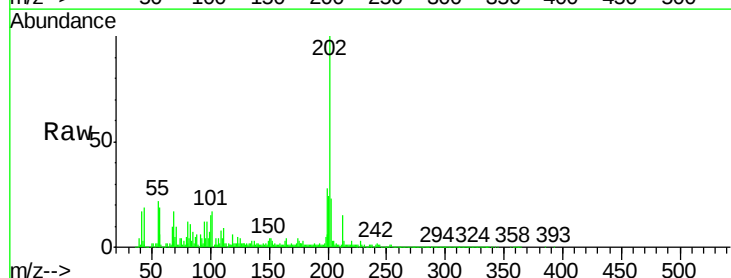
RT: 19.86 min Scan# 2898

Delta R.T. 0.03 min

Lab File: BG018338.D

Acq: 9 Aug 2015 21:02

Tgt Ion:	202	Resp:	2049057
Ion	Ratio	Lower	Upper
202	100		
101	16.9	11.0	16.4#
100	14.7	9.8	14.6#



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

19.86

1500000

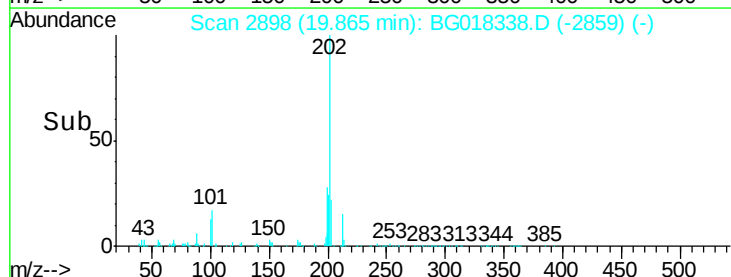
1000000

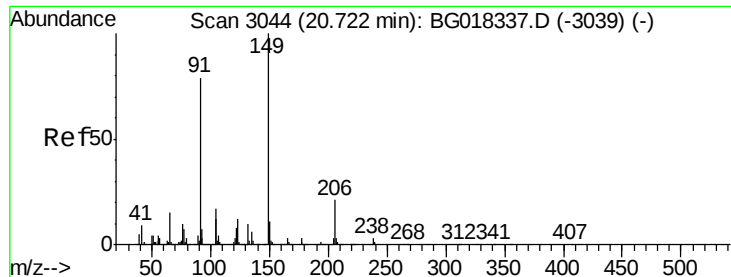
500000

0

19.80 19.85 19.90

Time-->





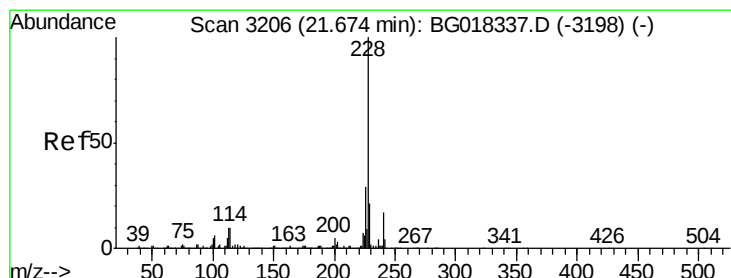
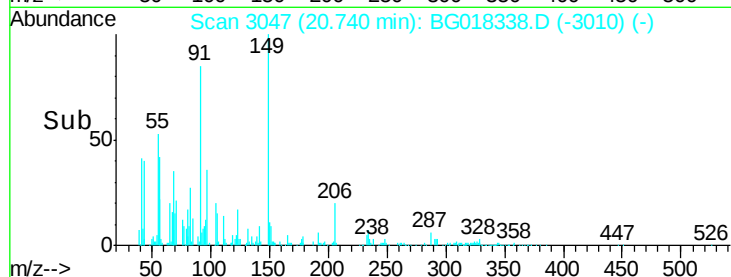
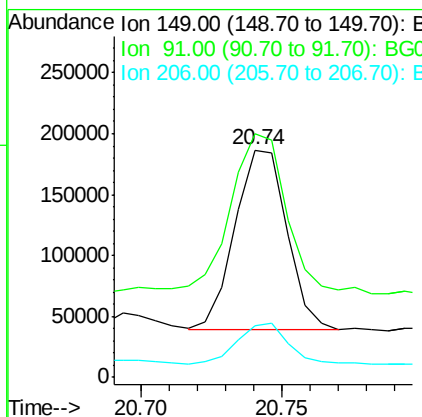
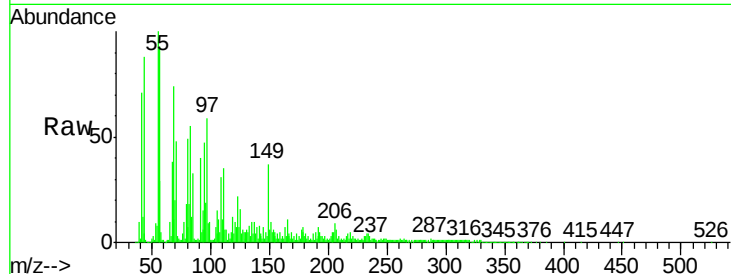
#81
Butylbenzylphthalate
Concen: 13.08 ng/ul
RT: 20.74 min Scan# 3047
Delta R.T. 0.02 min
Lab File: BG018338.D
Acq: 9 Aug 2015 21:02

Instrument :
BNA_G
ClientSampleId :
C02J7

Tot Ion	Ion	Ratio	Resp	Lower	Upper
149	100		188451		
91	107.2	57.9	86.9#		
206	23.0	17.9	26.9		

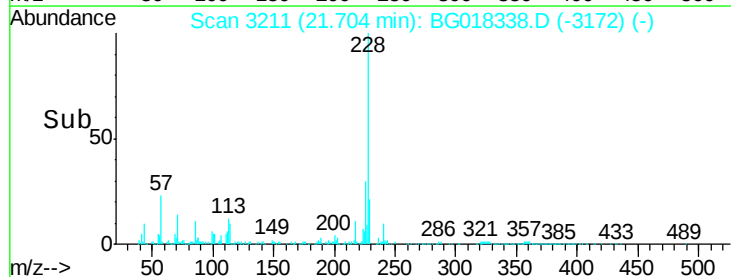
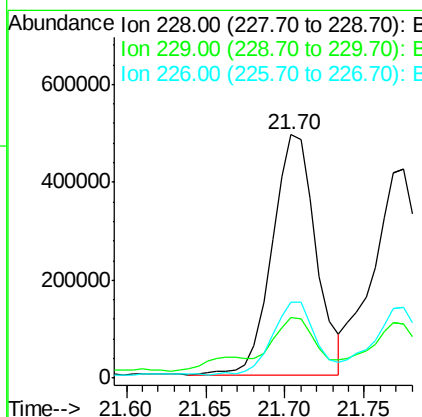
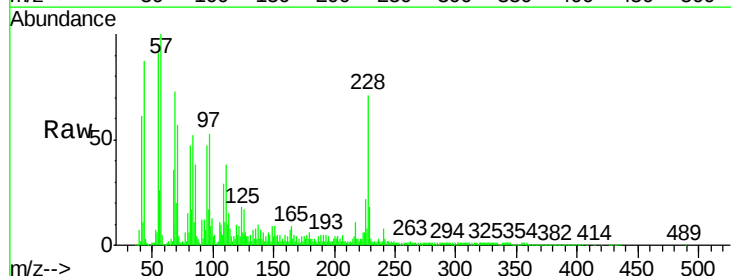
Manual Integrations
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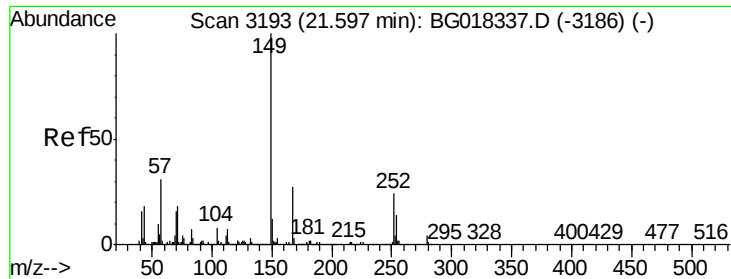
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#83
Benzo(a)anthracene
Concen: 30.19 ng/ul
RT: 21.70 min Scan# 3211
Delta R.T. 0.03 min
Lab File: BG018338.D
Acq: 9 Aug 2015 21:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		942587		
229	24.8	15.5	23.3#		
226	31.4	22.1	33.1		





#84

Bis(2-ethylhexyl)phthalate

Concen: 170.39 ng/ul

RT: 21.63 min Scan# 3199

Delta R.T. 0.04 min

Lab File: BG018338.D

Acq: 9 Aug 2015 21:02

Instrument :

BNA_G

ClientSampleId :

C02J7

Tot Ion:149 Resp: 3467201

Ion Ratio Lower Upper

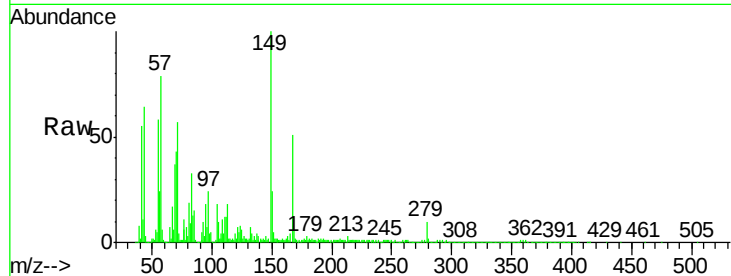
149 100

167 50.7 22.2 33.2#

279 10.3 2.8 4.2#

Manual Integrations
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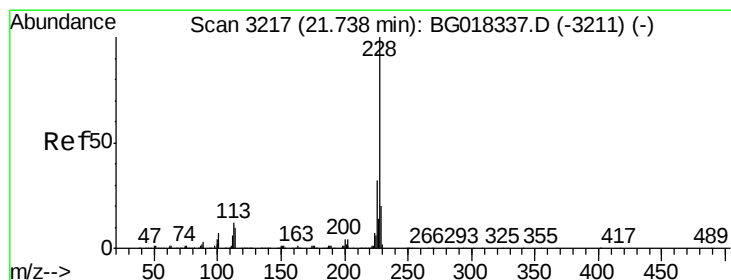
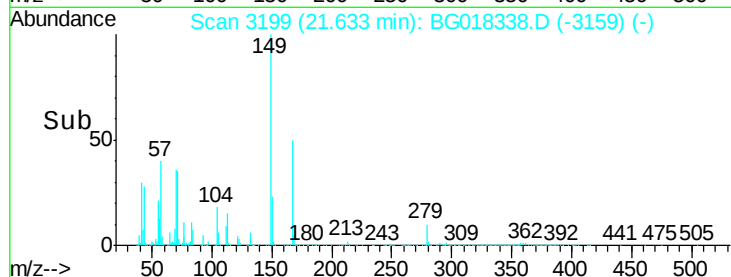
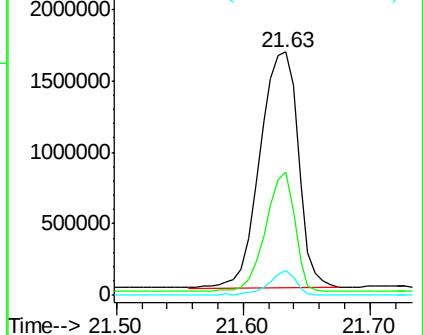
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 29.15 ng/ul m

RT: 21.77 min Scan# 3223

Delta R.T. 0.04 min

Lab File: BG018338.D

Acq: 9 Aug 2015 21:02

Tgt Ion:228 Resp: 850967

Ion Ratio Lower Upper

228 100

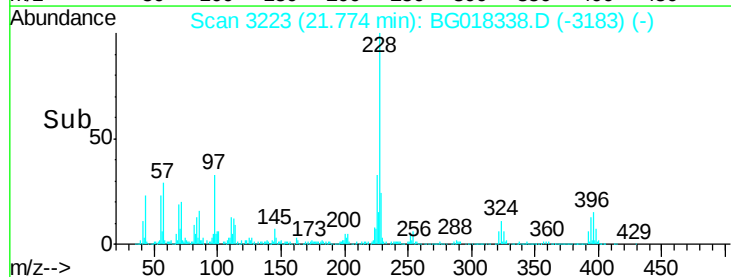
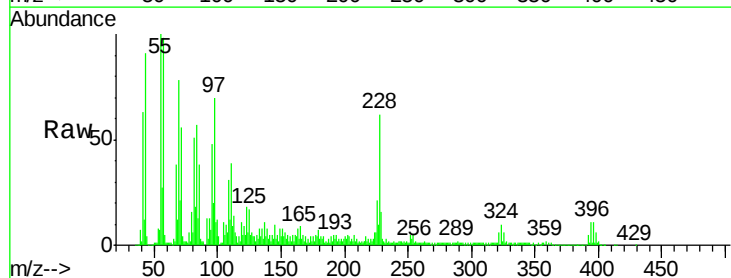
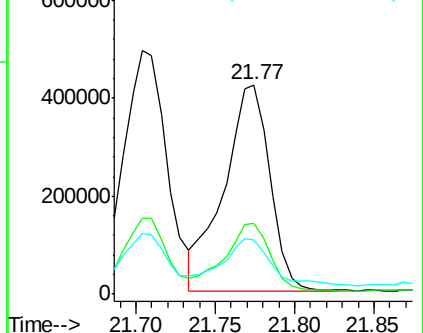
226 33.7 26.5 39.7

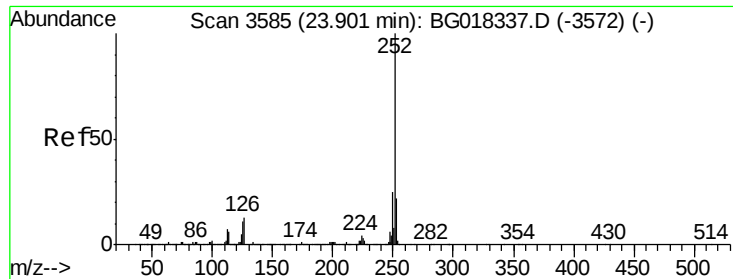
229 26.0 16.9 25.3#

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





#88

Benzo(b)fluoranthene

Concen: 38.51 ng/ul m

RT: 23.98 min Scan# 3599

Delta R.T. 0.08 min

Lab File: BG018338.D

Acq: 9 Aug 2015 21:02

Instrument :

BNA_G

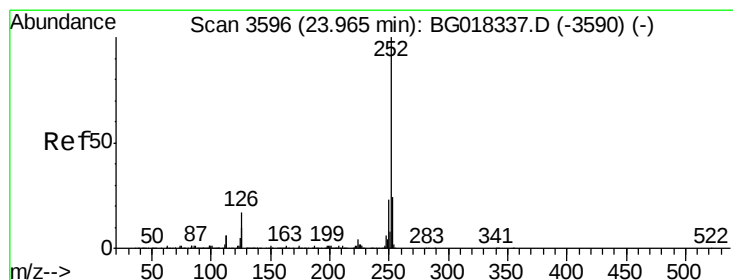
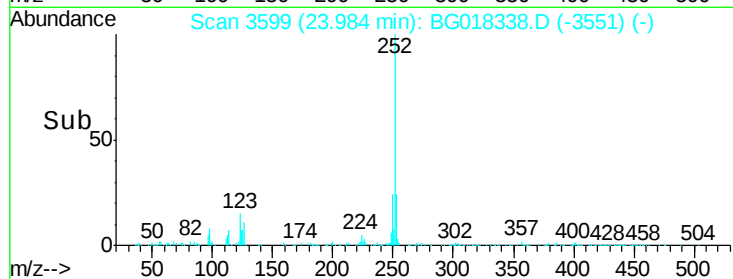
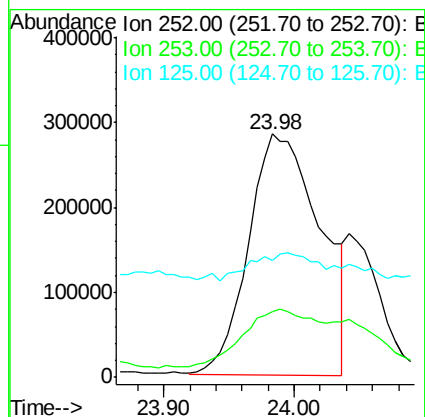
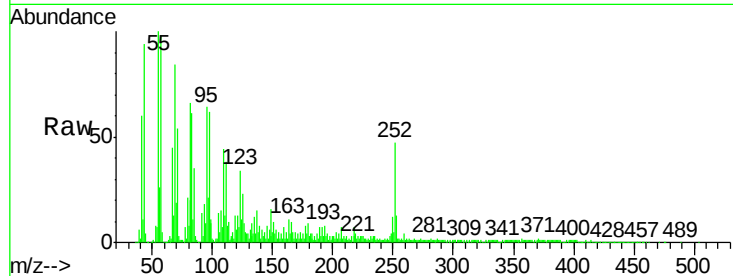
ClientSampleId :

C02J7

Tot Ion:	252	Resp:	1093815
Ion Ratio	Lower	Upper	
252	100		
253	26.8	18.1	27.1
125	48.0	8.3	12.5#

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#89

Benzo(k)fluoranthene

Concen: 12.64 ng/ul m

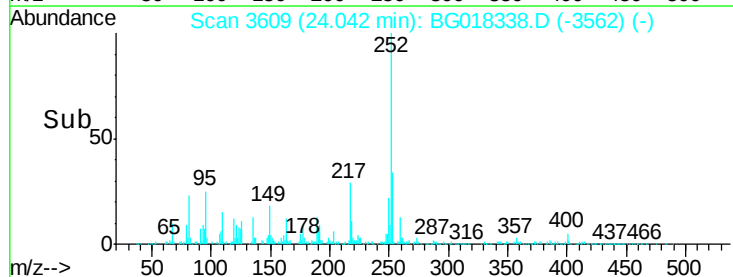
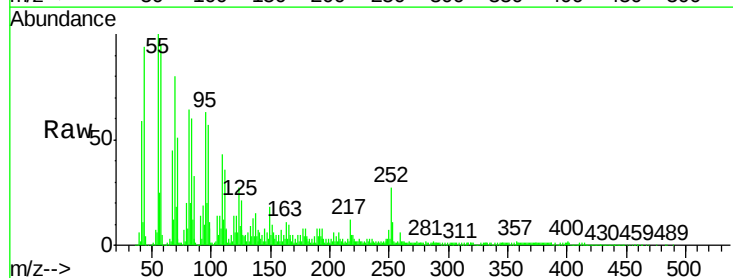
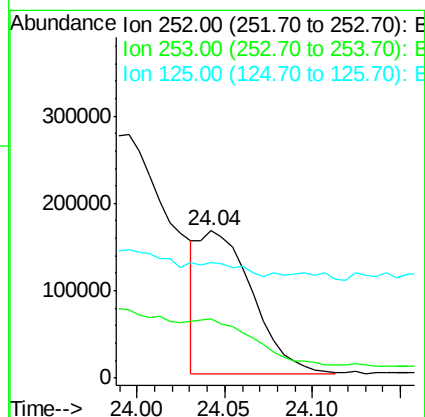
RT: 24.04 min Scan# 3609

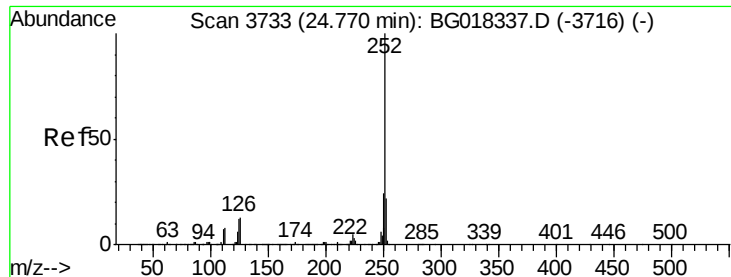
Delta R.T. 0.08 min

Lab File: BG018338.D

Acq: 9 Aug 2015 21:02

Tgt Ion:	252	Resp:	345753
Ion Ratio	Lower	Upper	
252	100		
253	40.1	17.8	26.6#
125	78.6	9.0	13.4#





#91

Benzo(a)pyrene

Concen: 24.81 ng/ul m

RT: 24.88 min Scan# 3752

Delta R.T. 0.11 min

Lab File: BG018338.D

Acq: 9 Aug 2015 21:02

Instrument :

BNA_G

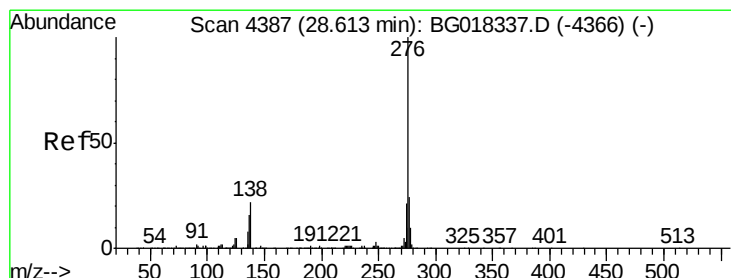
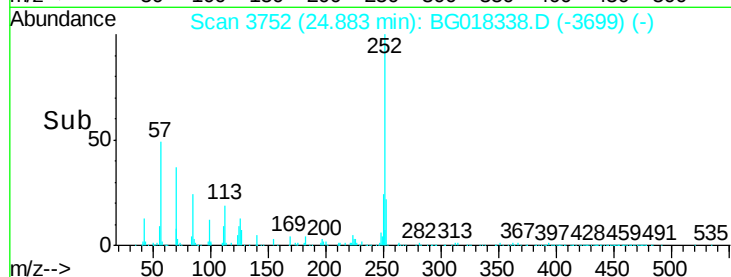
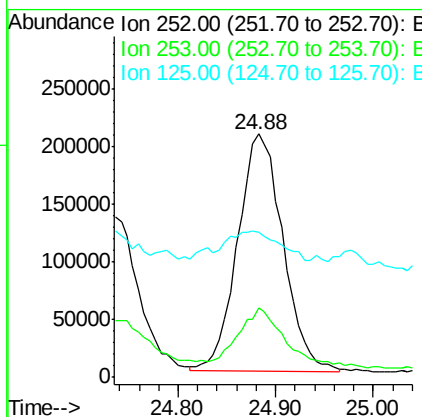
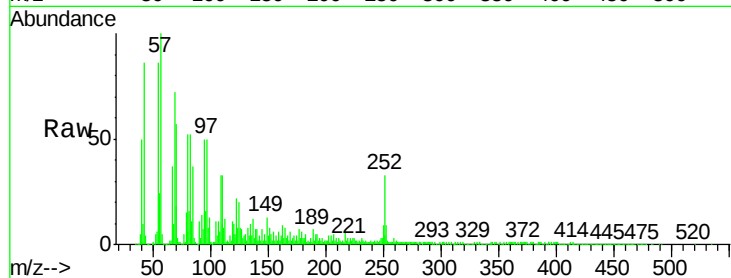
ClientSampleId :

C02J7

Tot Ion:	252	Resp:	669963
Ion Ratio	Lower	Upper	
252	100		
253	28.3	17.7	26.5#
125	59.7	10.2	15.2#

Manual Integrations
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#92

Indeno(1,2,3-cd)pyrene

Concen: 12.16 ng/ul m

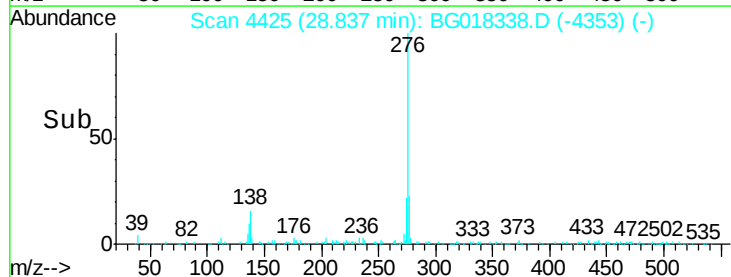
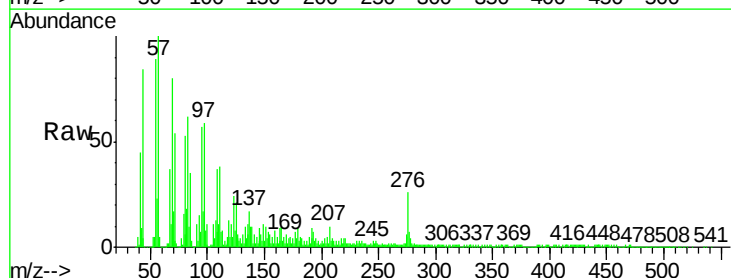
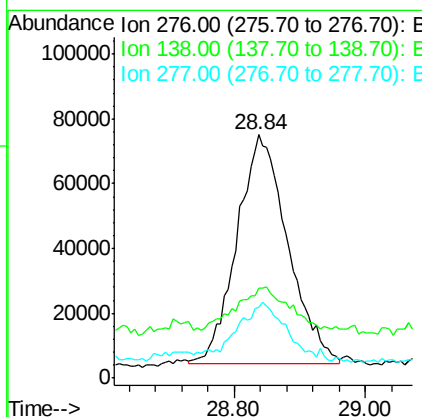
RT: 28.84 min Scan# 4425

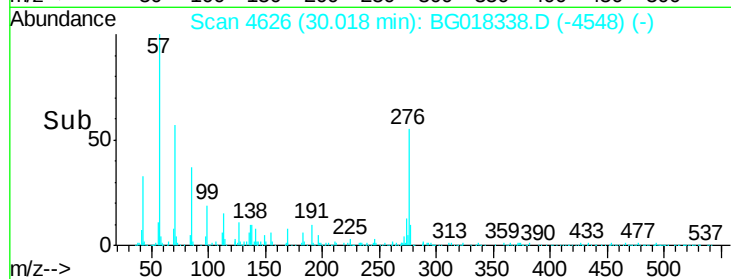
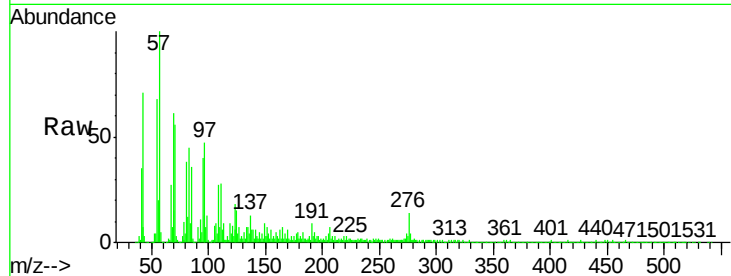
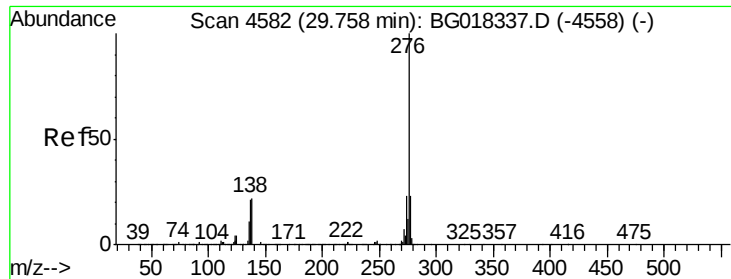
Delta R.T. 0.22 min

Lab File: BG018338.D

Acq: 9 Aug 2015 21:02

Tgt Ion:	276	Resp:	380019
Ion Ratio	Lower	Upper	
276	100		
138	37.1	15.8	23.6#
277	29.0	18.9	28.3#





#94

Benzo(a,h,i)perylene

Concen: 12.56 ng/ul m

RT: 30.02 min Scan# 4626

Delta R.T. 0.26 min

Lab File: BG018338.D

Acq: 9 Aug 2015 21:02

Tot Ion:	276	Resp:	329527
Ion Ratio	Lower	Upper	
276	100		
138	43.2	16.5	24.7#
277	27.1	19.0	28.6

Instrument :

BNA_G

ClientSampleId :

C02J7

Manual Integrations
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