

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
 Data File : BG018349.D
 Acq On : 10 Aug 2015 3:59
 Operator : UM/TP
 Sample : G3136-14
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02C6

Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 7:27:17 PM

Quant Time: Aug 10 08:27:11 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	8.08	152	134508	20.00	ng/ul	0.01
18) Naphthalene-d8	10.89	136	678998	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.70	164	421937	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.44	188	829110	20.00	ng/ul	0.02
78) Chrysene-d12	21.72	240	712344	20.00	ng/ul	0.03
86) Perylene-d12	24.99	264	707857	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	5148	1.69	ng/uL	0.00
5) Phenol-d5	7.23	99	131745	10.79	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.40	67	86881	11.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	110510	11.82	ng/ul	0.01
13) 4-Methylphenol-d8	8.77	113	82476	8.04	ng/ul	0.01
19) Nitrobenzene-d5	9.24	128	54101	10.22	ng/ul	0.01
22) 2-Nitrophenol-d4	9.96	143	56155	10.42	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.50	165	111233	9.72	ng/ul	0.01
29) 4-Chloroaniline-d4	11.01	131	51228	3.96	ng/ul	0.01
44) Dimethylphthalate-d6	14.10	166	337497	9.51	ng/ul	0.01
47) Acenaphthylene-d8	14.39	160	366192	8.19	ng/ul	0.01
52) 4-Nitrophenol-d4	14.88	143	30899	4.84	ng/ul	0.02
58) Fluorene-d10	15.69	176	236367	7.64	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.54	188	317075m	8.00	ng/ul	0.02
79) Pyrene-d10	19.82	212	292901	7.93	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.76	264	274282	7.30	ng/ul	0.05

Target Compounds

					Ovalue	
28) Naphthalene	10.93	128	429614	11.97	ng/ul	100
34) 2-Methylnaphthalene	12.53	142	96004	3.69	ng/ul	98
35) 1-Methylnaphthalene	12.75	142	53383	2.10	ng/ul	97
45) Dimethylphthalate	14.15	163	217052	6.20	ng/ul#	98
50) Acenaphthene	14.76	153	222282	7.07	ng/ul	97
54) Dibenzofuran	15.09	168	194269	4.73	ng/ul	93
59) Fluorene	15.75	166	177230	5.01	ng/ul	98
70) Phenanthrene	17.48	178	999827	22.23	ng/ul	98
72) Anthracene	17.57	178	132977m	2.90	ng/ul	
75) Carbazole	17.84	167	91822	2.28	ng/ul#	81
77) Fluoranthene	19.49	202	925871	19.27	ng/ul	99
80) Pyrene	19.85	202	826399	17.16	ng/ul	98
83) Benzo(a)anthracene	21.70	228	286544	6.49	ng/ul	94
84) Bis(2-ethylhexyl)phthalate	21.61	149	118478	4.12	ng/ul#	94
85) Chrysene	21.77	228	340101	8.24	ng/ul	98
88) Benzo(b)fluoranthene	23.95	252	498458	11.21	ng/ul#	90
89) Benzo(k)fluoranthene	24.01	252	142411m	3.33	ng/ul	
91) Benzo(a)pyrene	24.82	252	304698	7.21	ng/ul#	89
92) Indeno(1,2,3-cd)pyrene	28.71	276	209770	4.29	ng/ul#	86
93) Dibenzo(a,h)anthracene	28.76	278	59961m	1.48	ng/ul	
94) Benzo(a,h,i)perylene	29.86	276	194974m	4.75	ng/ul	

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:50:23 2015
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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

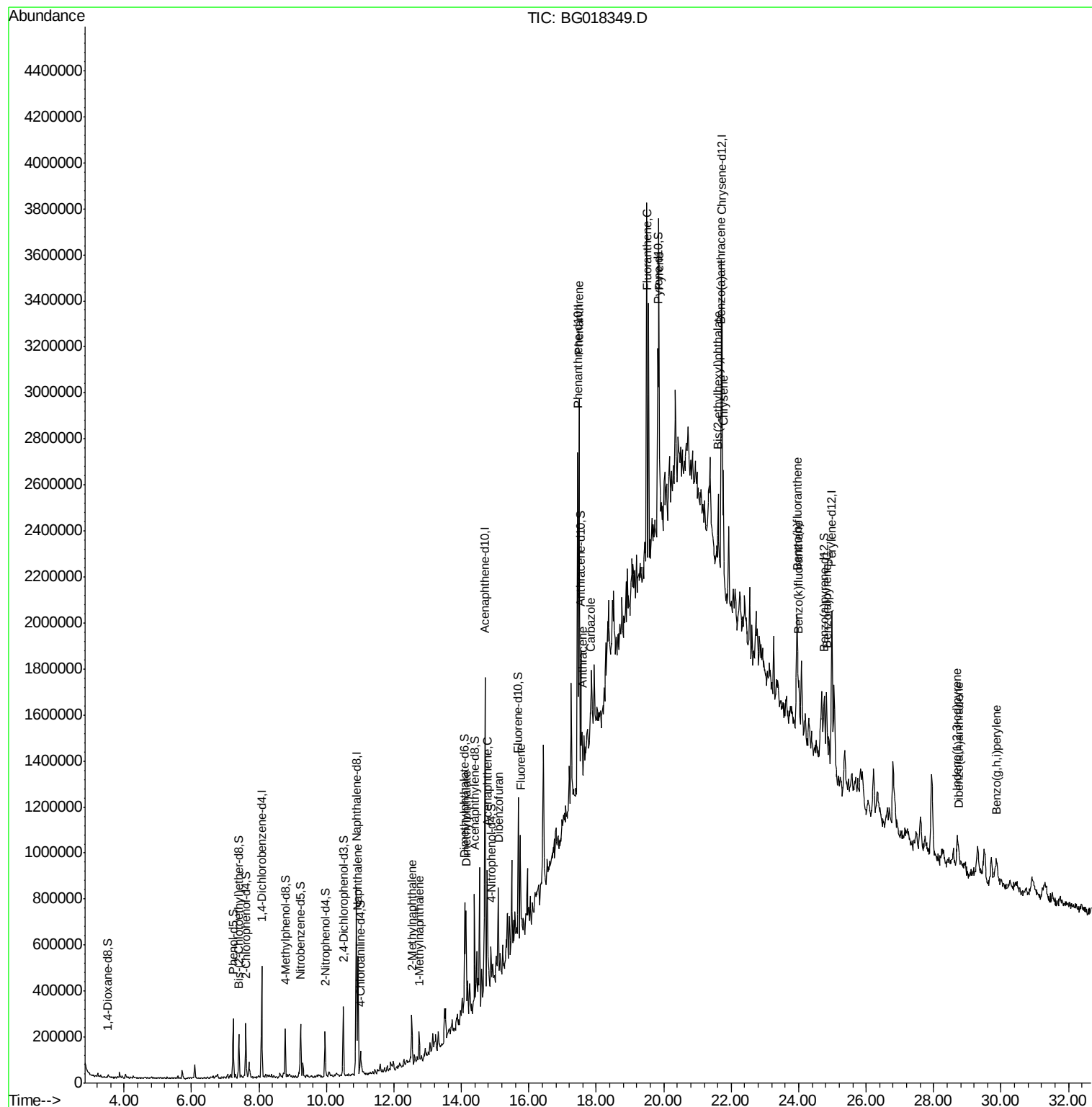
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
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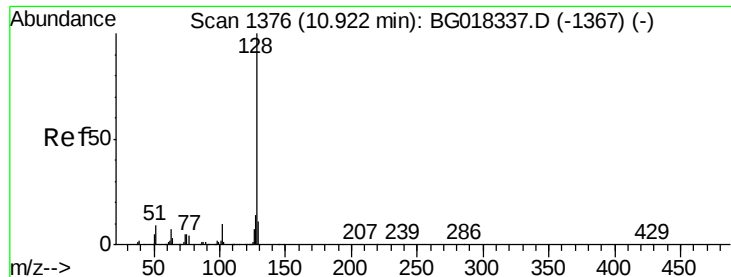
Instrument :
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C02C6

Manual Integrations
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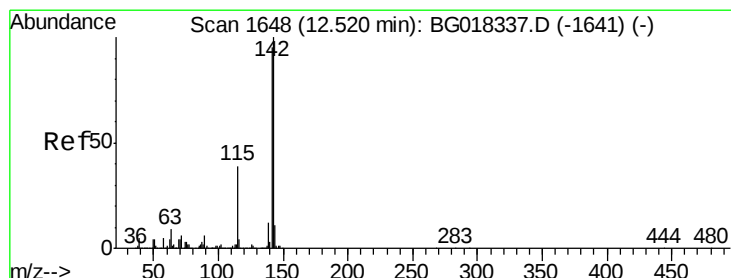
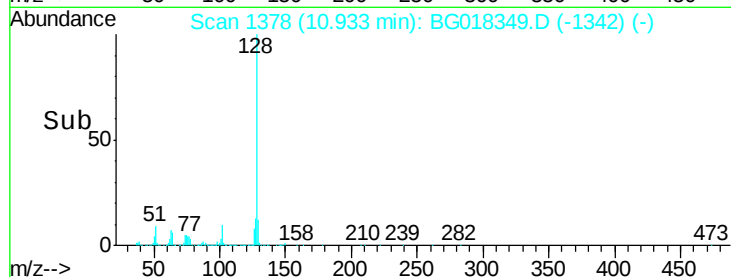
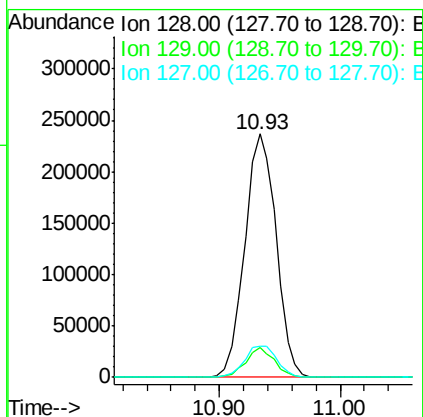
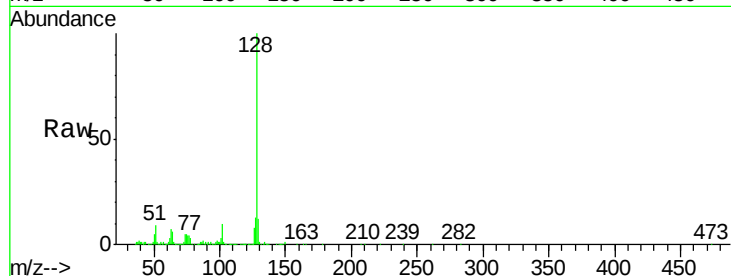
#28
Naphthalene
Concen: 11.97 ng/ul
RT: 10.93 min Scan# 1378
Delta R.T. 0.01 min
Lab File: BG018349.D
Acq: 10 Aug 2015 3:59

Instrument :
BNA_G
ClientSampleId :
C02C6

Tot Ion	Ratio	Resp	Lower	Upper
128	100	429614		
129	12.1		9.6	14.4
127	12.9		10.5	15.7

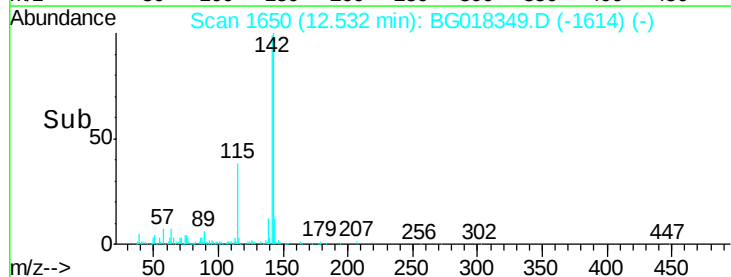
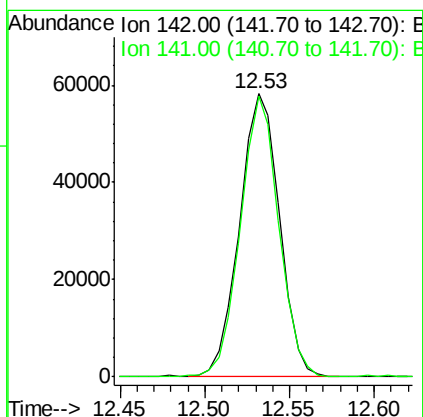
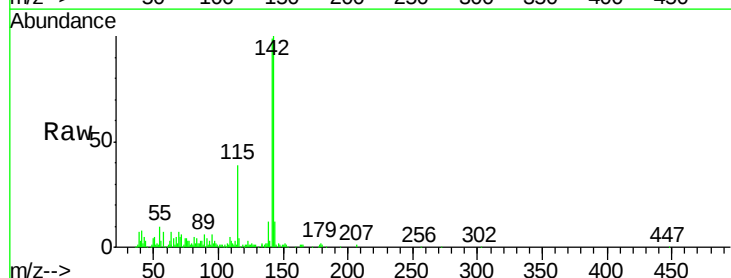
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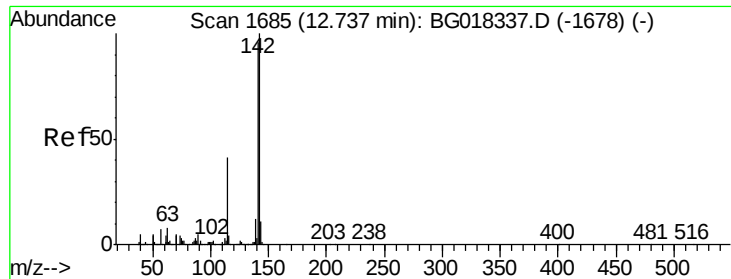
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#34
2-Methylnaphthalene
Concen: 3.69 ng/ul
RT: 12.53 min Scan# 1650
Delta R.T. 0.01 min
Lab File: BG018349.D
Acq: 10 Aug 2015 3:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	96004		
141	99.3		78.0	117.0





#35

1-Methylnaphthalene

Concen: 2.10 ng/ul

RT: 12.75 min Scan# 1687

Delta R.T. 0.01 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

Instrument :

BNA_G

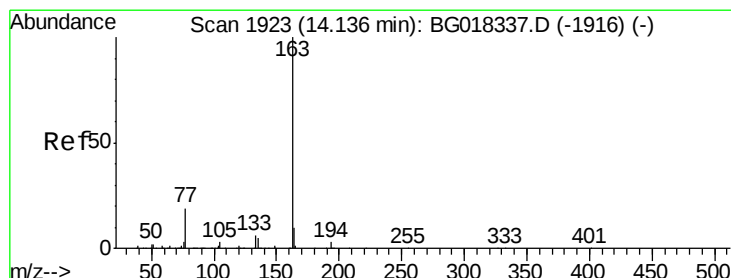
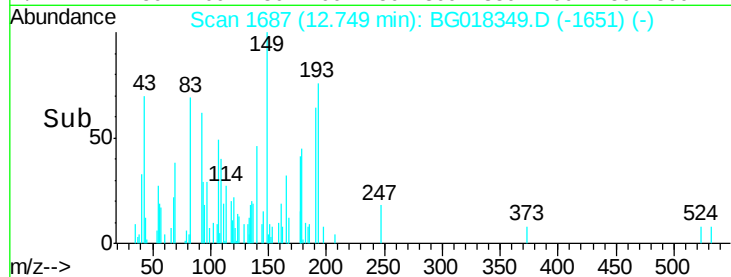
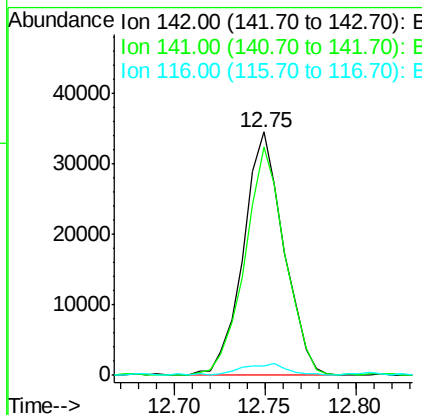
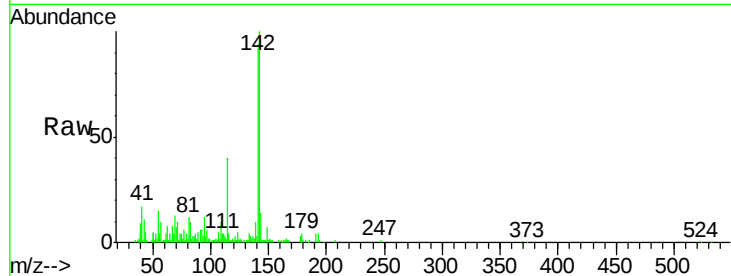
ClientSampleId :

C02C6

Tot Ion:	142	Resp:	53383
Ion Ratio	Lower	Upper	
142	100		
141	93.8	77.1	115.7
116	3.7	3.5	5.3

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#45

Dimethylphthalate

Concen: 6.20 ng/ul

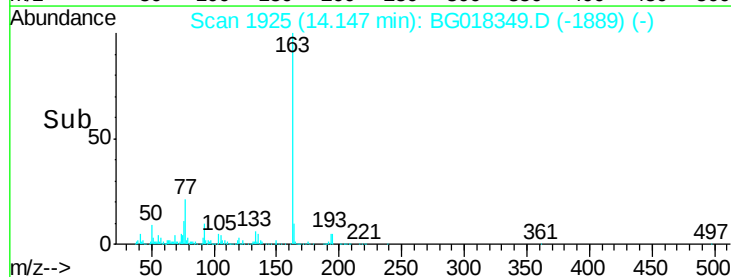
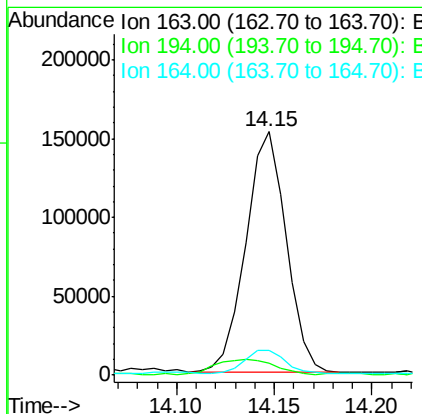
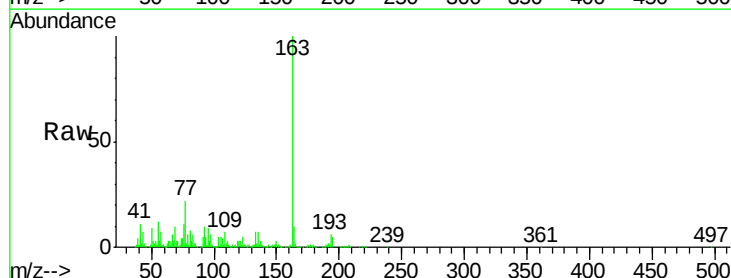
RT: 14.15 min Scan# 1925

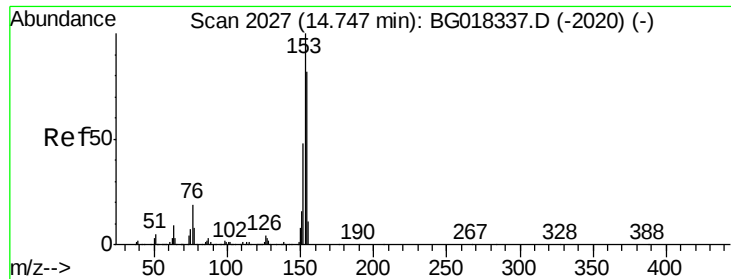
Delta R.T. 0.01 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

Tgt Ion:	163	Resp:	217052
Ion Ratio	Lower	Upper	
163	100		
194	5.1	2.9	4.3#
164	10.2	7.7	11.5





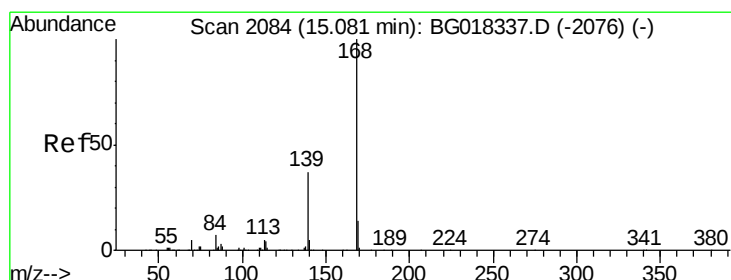
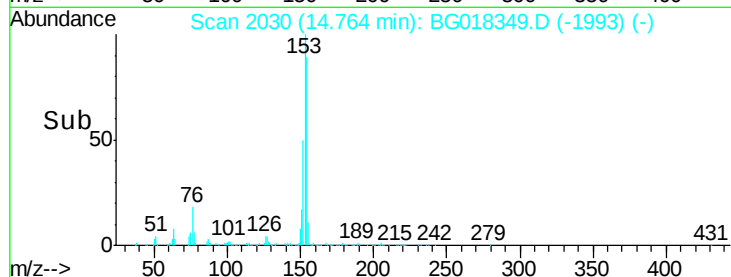
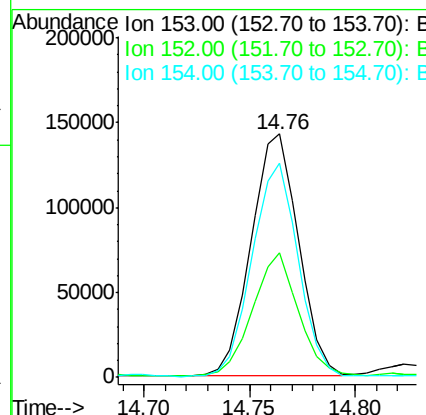
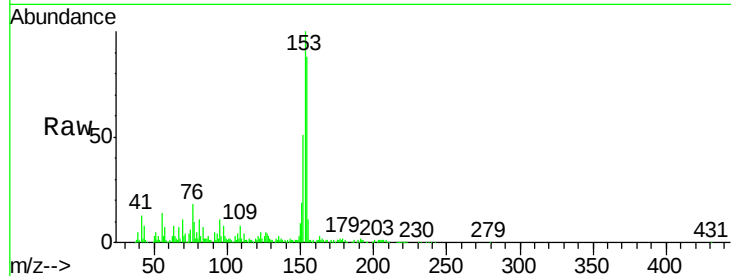
#50
Acenaphthene
Concen: 7.07 ng/ul
RT: 14.76 min Scan# 2030
Delta R.T. 0.02 min
Lab File: BG018349.D
Acq: 10 Aug 2015 3:59

Instrument :
BNA_G
ClientSampleId :
C02C6

Tot Ion	Ratio	Resp	Lower	Upper
153	100	222282		
152	51.0		38.2	57.4
154	88.1		68.6	103.0

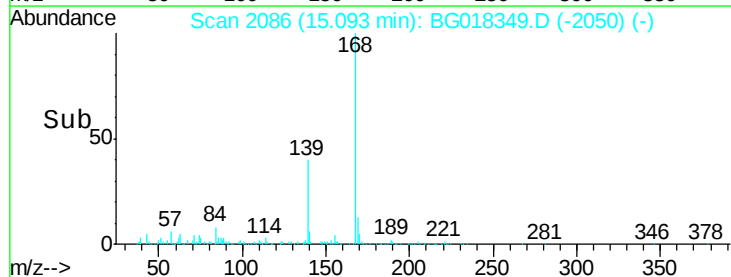
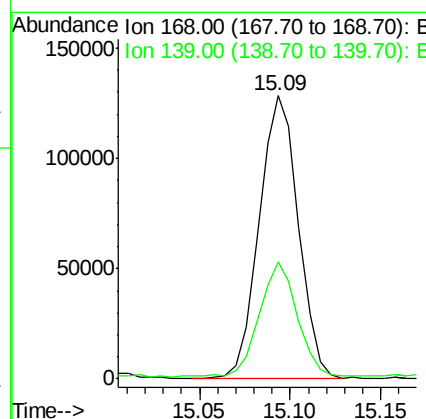
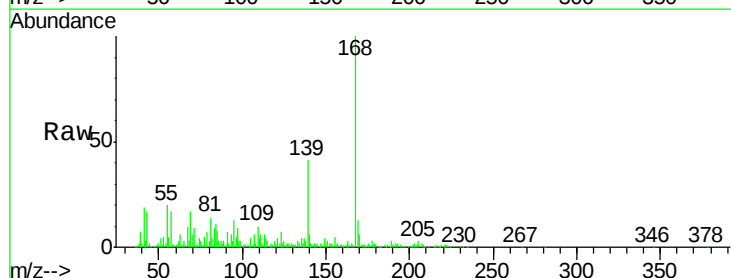
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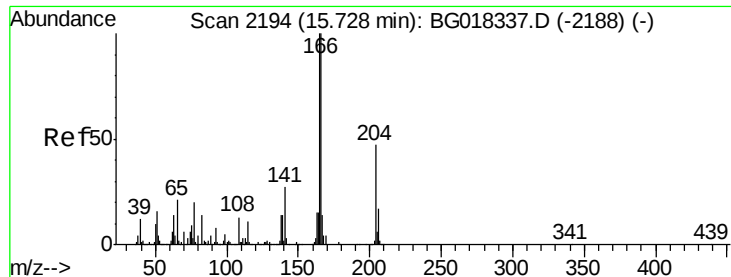
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#54
Dibenzofuran
Concen: 4.73 ng/ul
RT: 15.09 min Scan# 2086
Delta R.T. 0.01 min
Lab File: BG018349.D
Acq: 10 Aug 2015 3:59

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	194269		
139	41.3		29.7	44.5





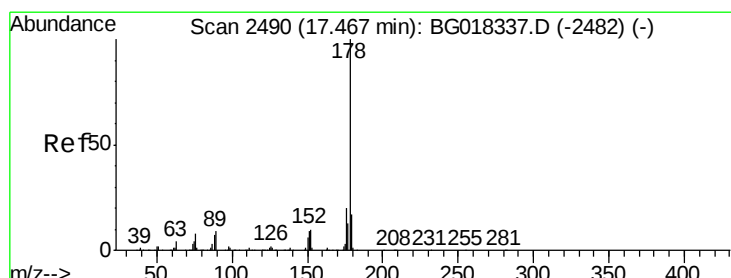
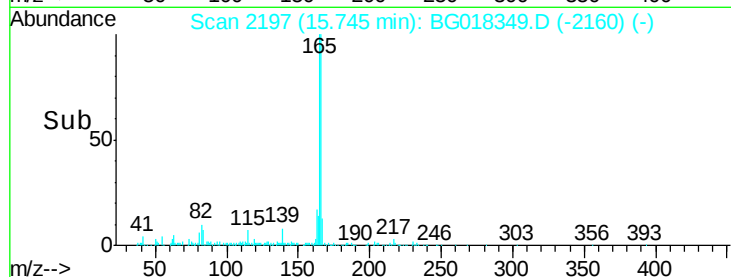
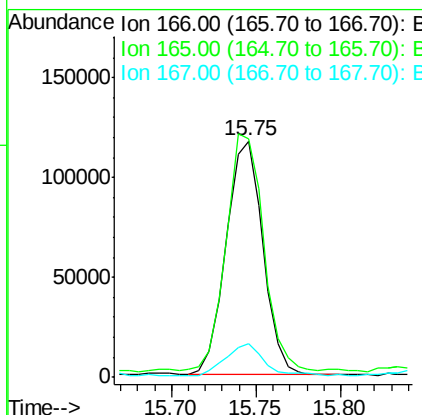
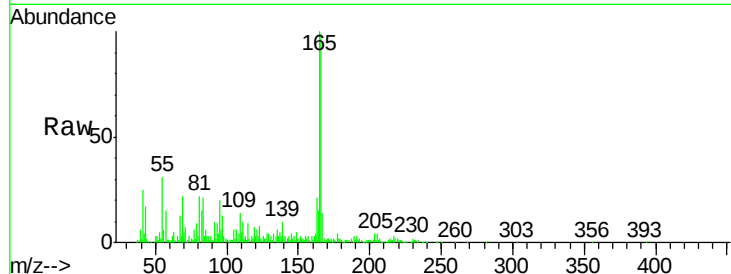
#59
Fluorene
Concen: 5.01 ng/ul
RT: 15.75 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BG018349.D
Acq: 10 Aug 2015 3:59

Instrument :
BNA_G
ClientSampleId :
C02C6

Tot Ion	Ratio	Resp	Lower	Upper
166	100	177230		
165	100.8	82.6	124.0	
167	14.4	11.4	17.0	

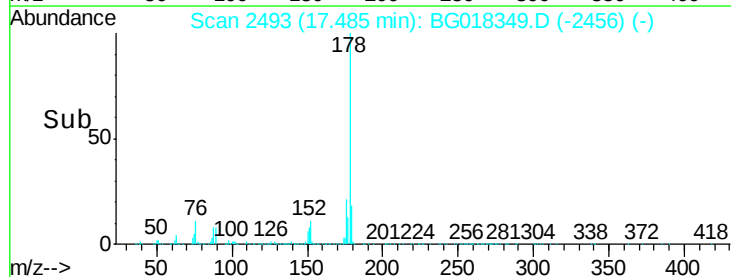
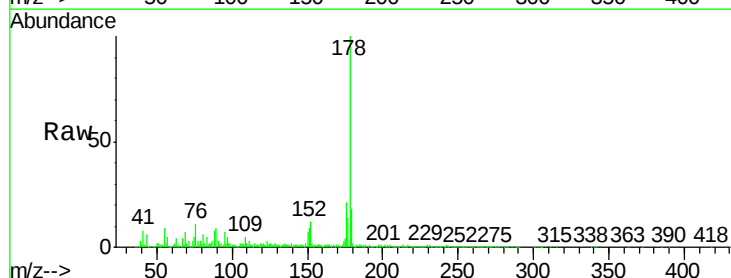
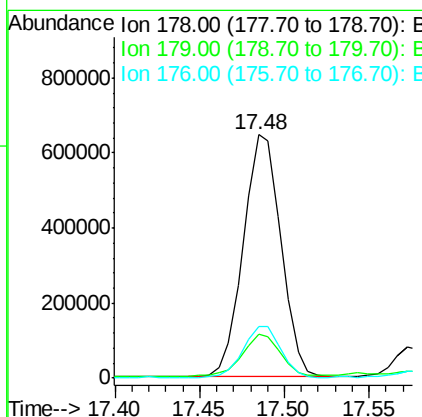
Manual Integrations
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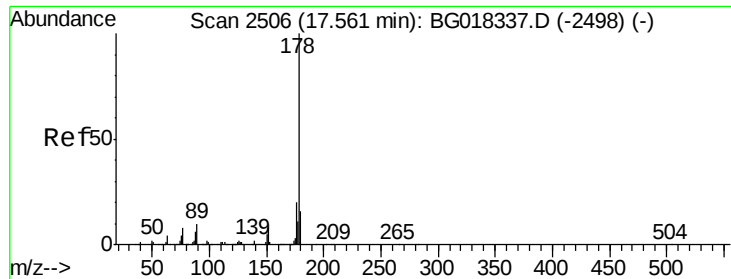
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#70
Phenanthrene
Concen: 22.23 ng/ul
RT: 17.48 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BG018349.D
Acq: 10 Aug 2015 3:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	999827		
179	18.2	13.7	20.5	
176	21.2	16.6	24.8	





#72

Anthracene

Concen: 2.90 ng/ul m

RT: 17.57 min Scan# 2508

Delta R.T. 0.01 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

Instrument :

BNA_G

ClientSampled :

C02C6

Tot Ion:178 Resp: 132977

Ion Ratio Lower Upper

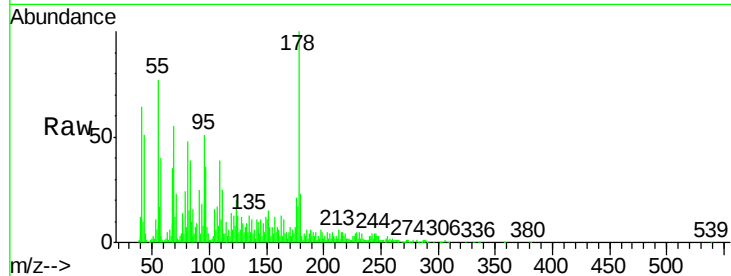
178 100

179 22.6 13.0 19.4#

176 21.3 16.0 24.0

Manual Integrations
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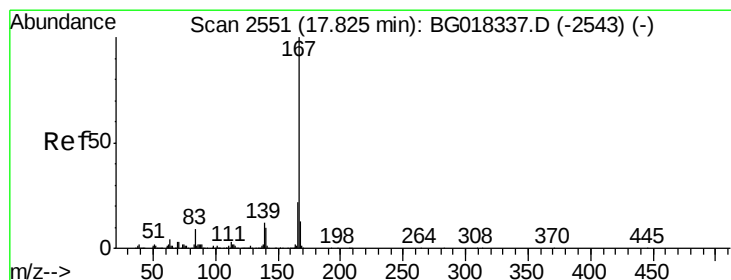
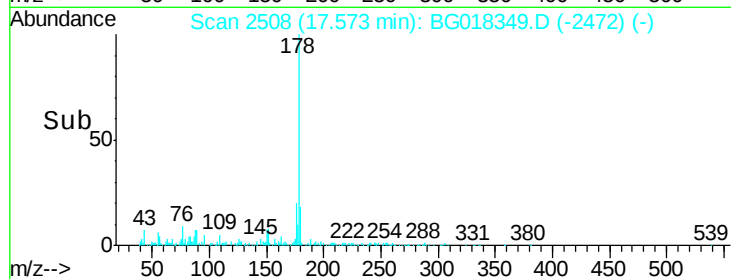
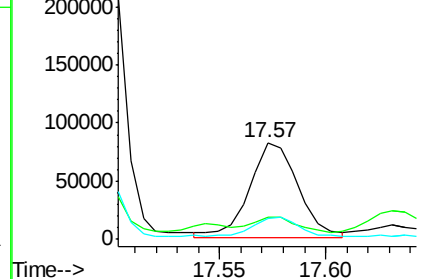
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 2.28 ng/ul

RT: 17.84 min Scan# 2553

Delta R.T. 0.01 min

Lab File: BG018349.D

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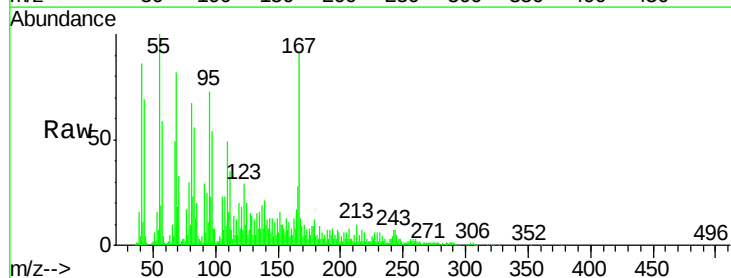
Tgt Ion:167 Resp: 91822

Ion Ratio Lower Upper

167 100

166 30.9 18.9 28.3#

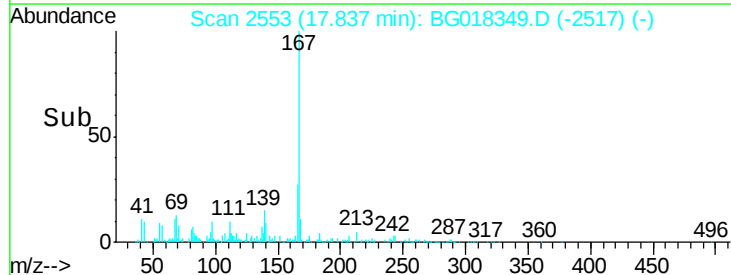
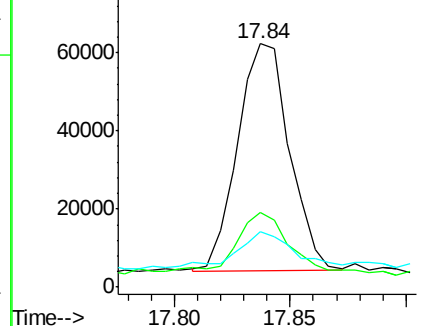
139 22.6 10.1 15.1#

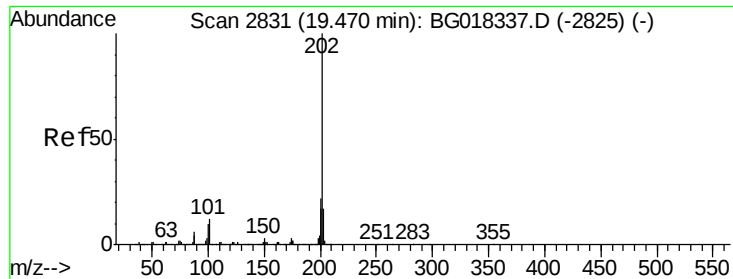


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 19.27 ng/ul

RT: 19.49 min Scan# 2835

Delta R.T. 0.02 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

Instrument :

BNA_G

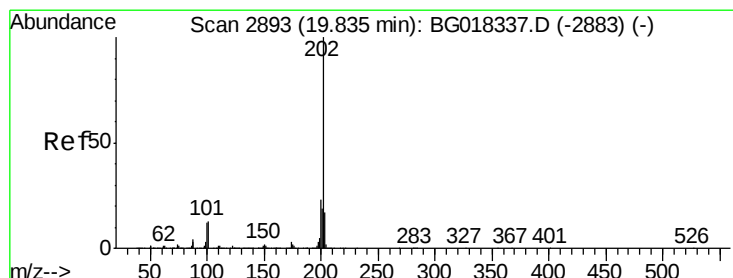
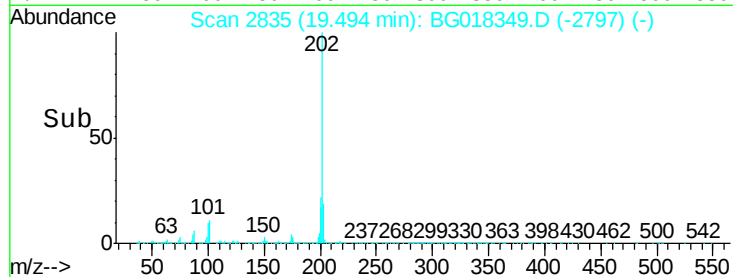
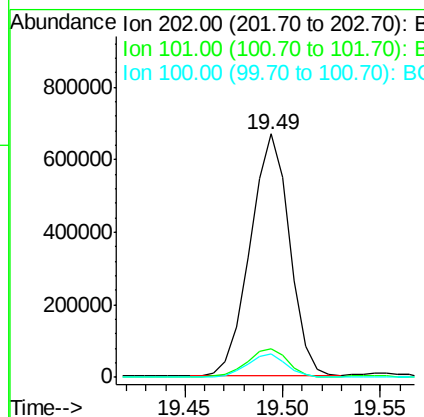
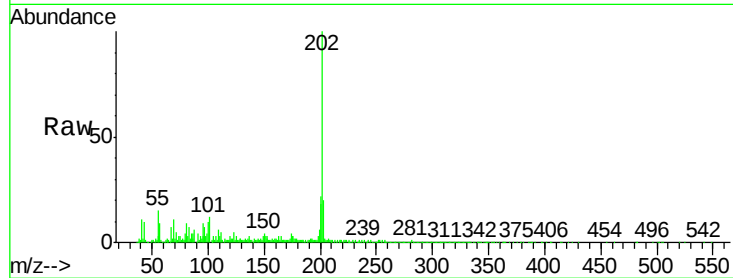
ClientSampleId :

C02C6

Tot Ion:	202	Resp:	925871
Ion Ratio	Lower	Upper	
202	100		
101	11.5	9.7	14.5
100	9.8	7.8	11.8

Manual Integrations
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#80

Pyrene

Concen: 17.16 ng/ul

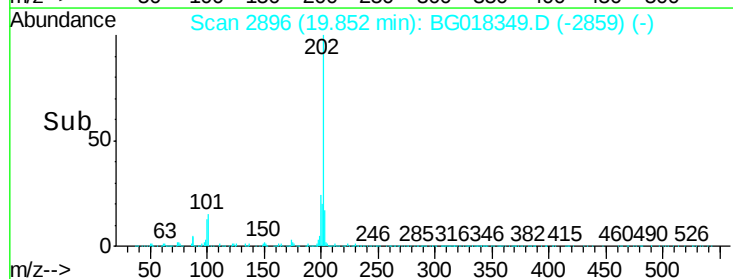
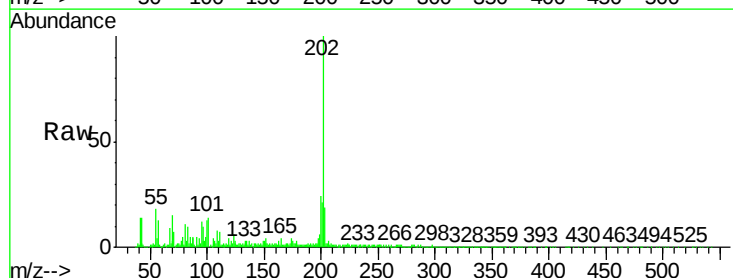
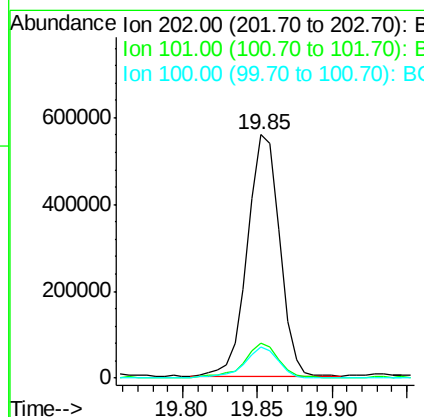
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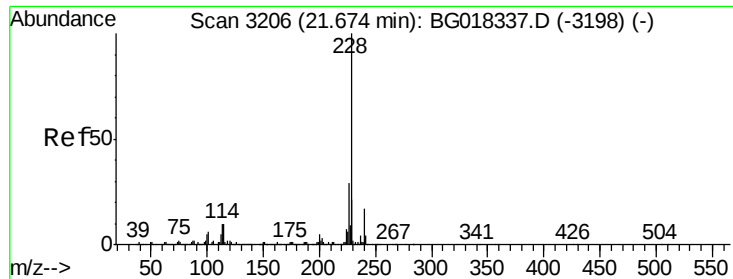
Delta R.T. 0.02 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

Tgt Ion:	202	Resp:	826399
Ion Ratio	Lower	Upper	
202	100		
101	14.5	11.0	16.4
100	12.8	9.8	14.6





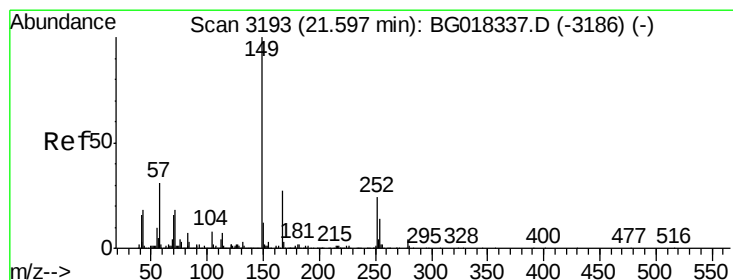
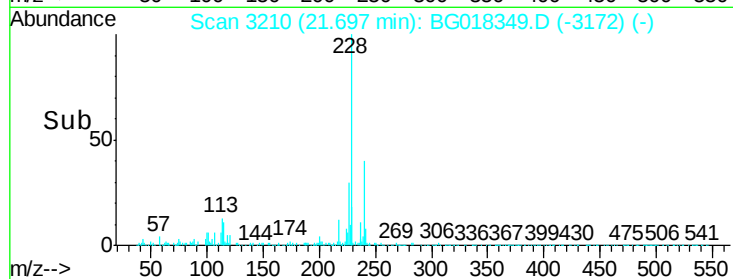
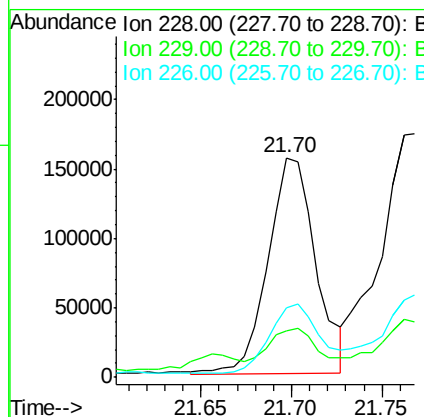
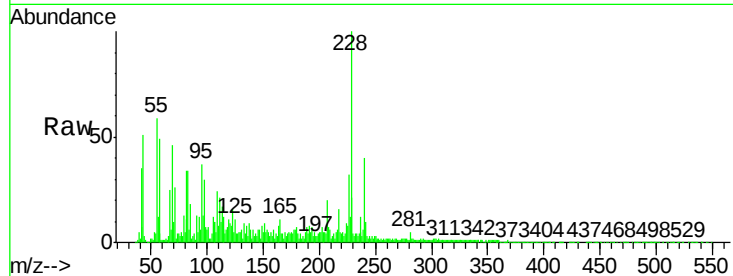
#83
Benzo(a)anthracene
Concen: 6.49 ng/ul
RT: 21.70 min Scan# 3210
Delta R.T. 0.02 min
Lab File: BG018349.D
Acq: 10 Aug 2015 3:59

Instrument :
BNA_G
ClientSampleId :
C02C6

Tot Ion	Ratio	Resp	Lower	Upper
228	100	286544		
229	21.4	15.5	23.3	
226	31.7	22.1	33.1	

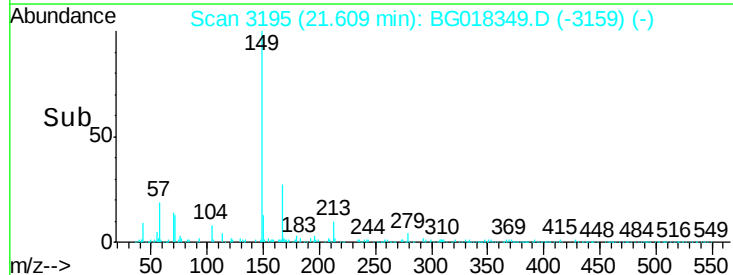
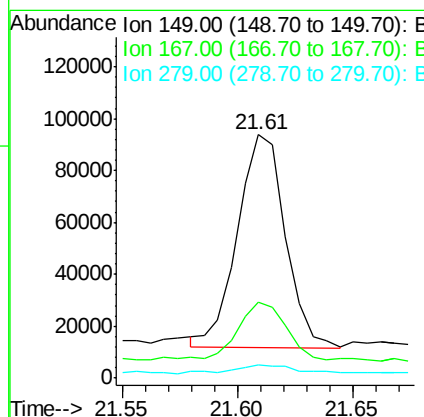
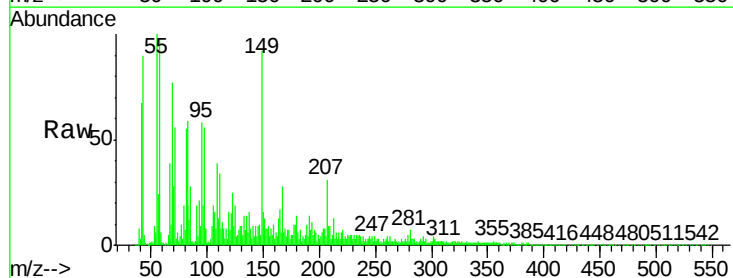
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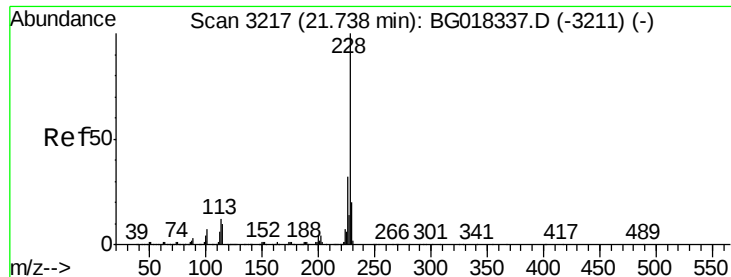
MMDadoda
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#84
Bis(2-ethylhexyl)phthalate
Concen: 4.12 ng/ul
RT: 21.61 min Scan# 3195
Delta R.T. 0.01 min
Lab File: BG018349.D
Acq: 10 Aug 2015 3:59

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	118478		
167	31.1	22.2	33.2	
279	5.5	2.8	4.2#	





#85

Chrysene

Concen: 8.24 ng/ul

RT: 21.77 min Scan# 3222

Delta R.T. 0.03 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

Instrument :

BNA_G

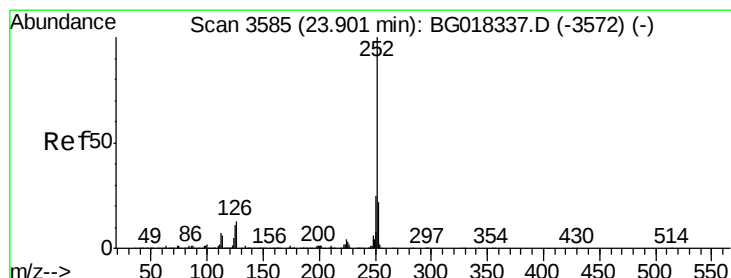
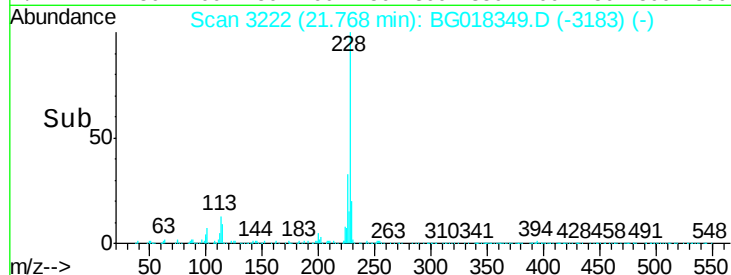
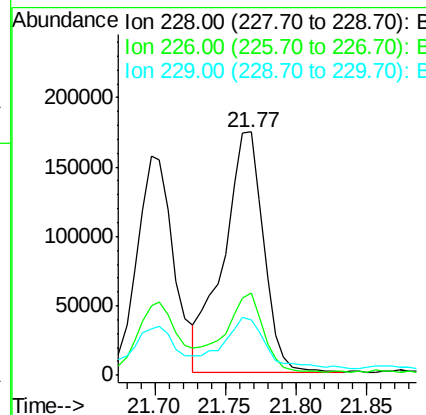
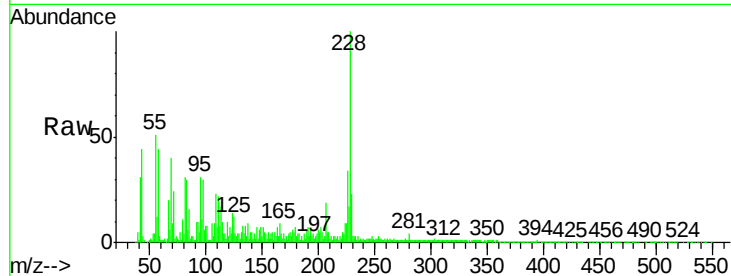
ClientSampleId :

C02C6

Tot Ion:	228	Resp:	340101
Ion Ratio		Lower	Upper
228	100		
226	33.7	26.5	39.7
229	22.9	16.9	25.3

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#88

Benzo(b)fluoranthene

Concen: 11.21 ng/ul

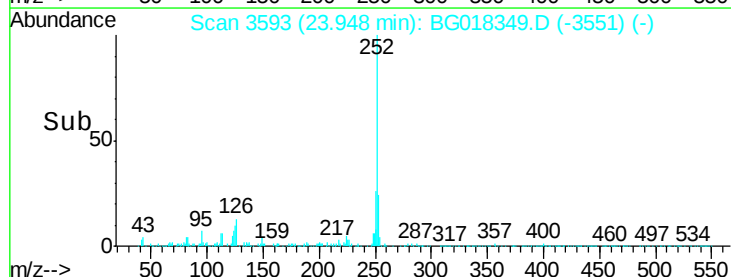
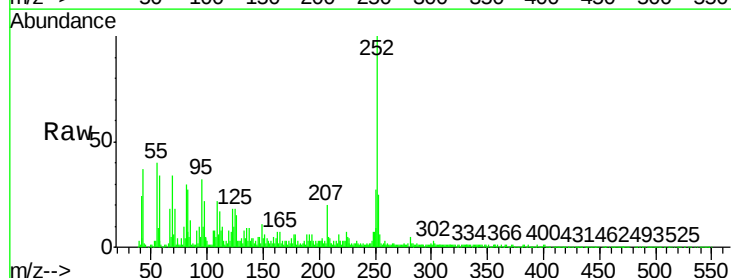
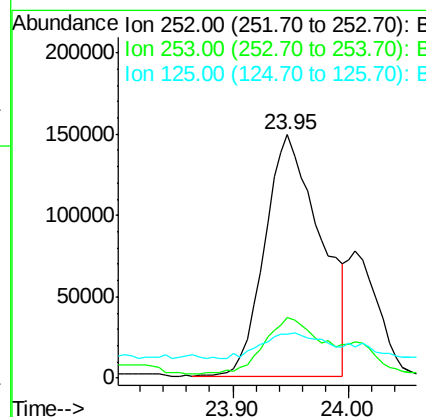
RT: 23.95 min Scan# 3593

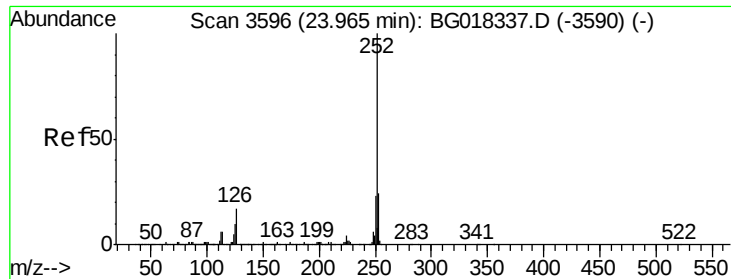
Delta R.T. 0.05 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

Tgt Ion:	252	Resp:	498458
Ion Ratio		Lower	Upper
252	100		
253	25.1	18.1	27.1
125	18.3	8.3	12.5#





#89

Benzo(k)fluoranthene

Concen: 3.33 ng/ul m

RT: 24.01 min Scan# 3603

Delta R.T. 0.04 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

Instrument :

BNA_G

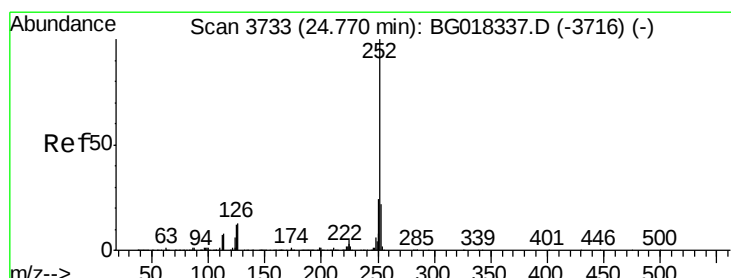
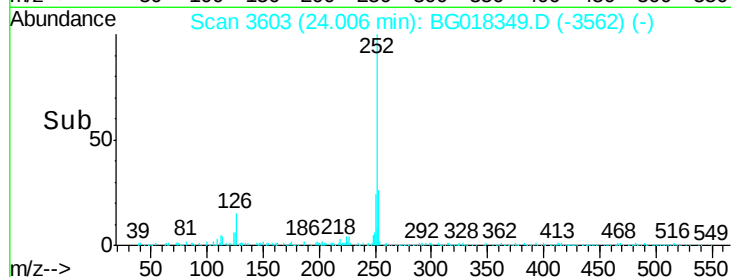
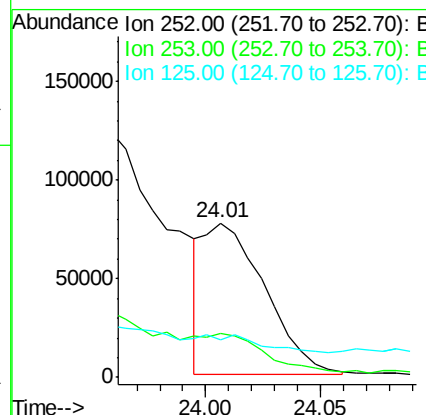
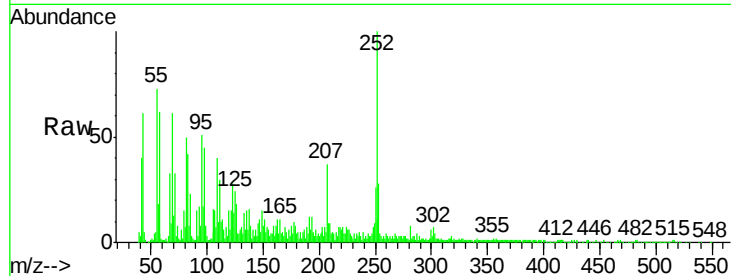
ClientSampleId :

C02C6

Tot Ion:	252	Resp:	142411
Ion Ratio	Lower	Upper	
252	100		
253	28.3	17.8	26.6#
125	24.4	9.0	13.4#

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#91

Benzo(a)pyrene

Concen: 7.21 ng/ul

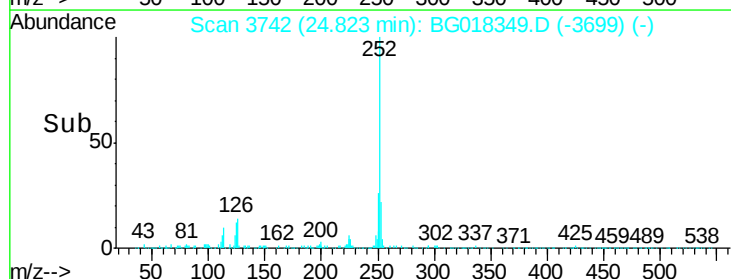
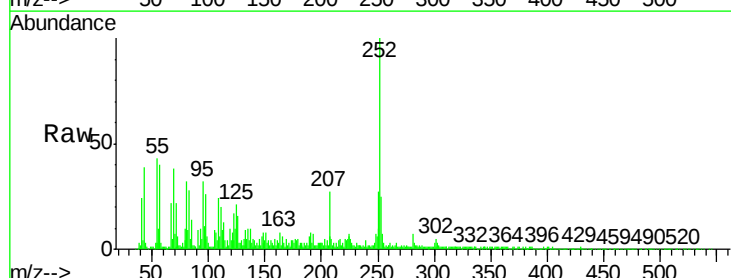
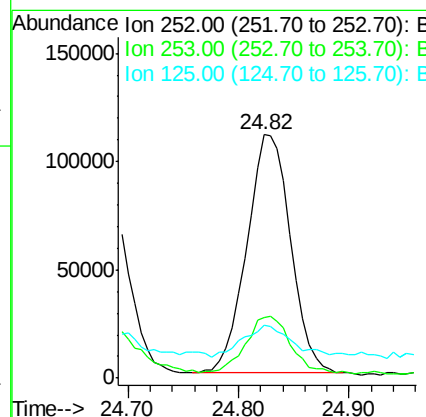
RT: 24.82 min Scan# 3742

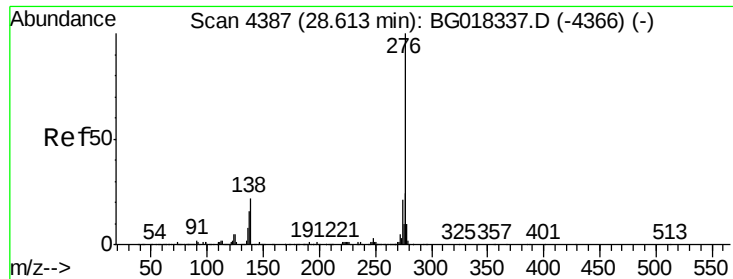
Delta R.T. 0.05 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

Tgt Ion:	252	Resp:	304698
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.7	26.5
125	21.5	10.2	15.2#





#92

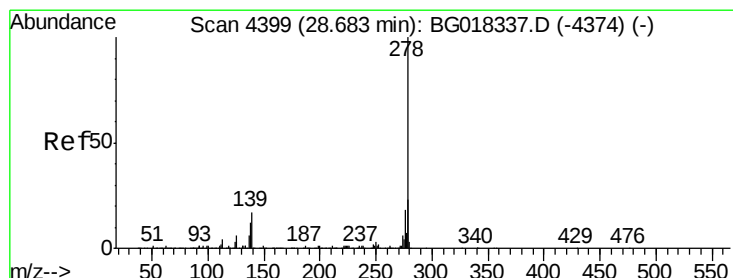
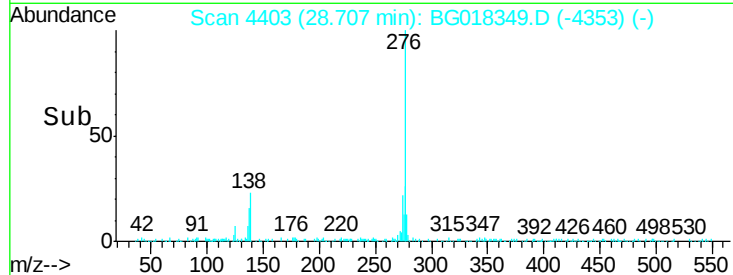
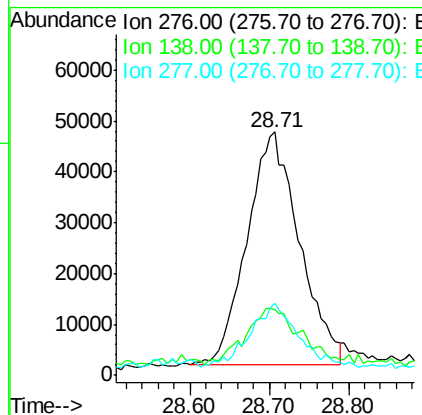
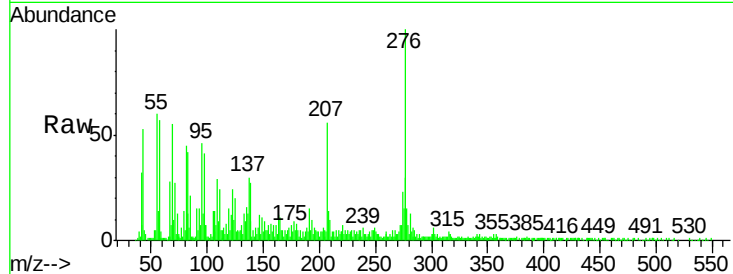
Indeno(1,2,3-cd)pyrene
Concen: 4.29 ng/ul
RT: 28.71 min Scan# 4403
Delta R.T. 0.09 min
Lab File: BG018349.D
Acq: 10 Aug 2015 3:59

Instrument :
BNA_G
ClientSampleId :
C02C6

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.0	15.8	23.6#
277	29.7	18.9	28.3#

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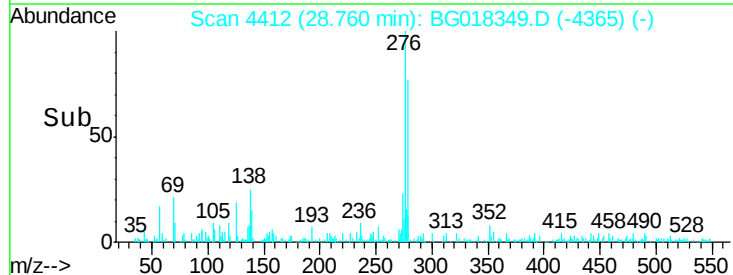
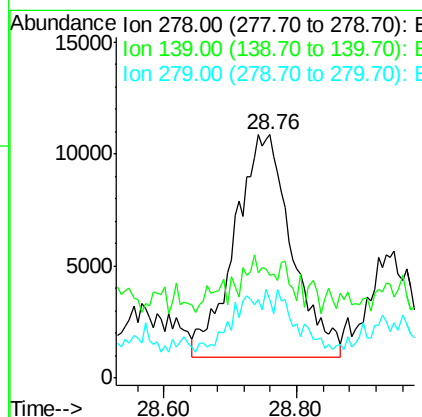
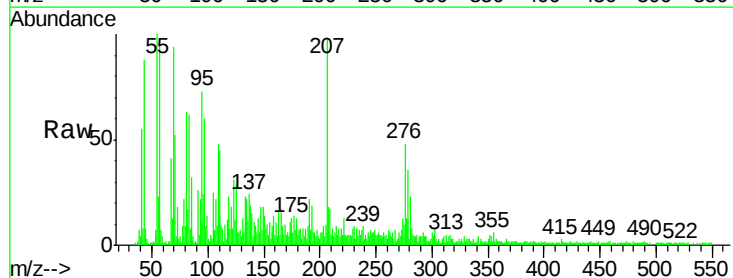
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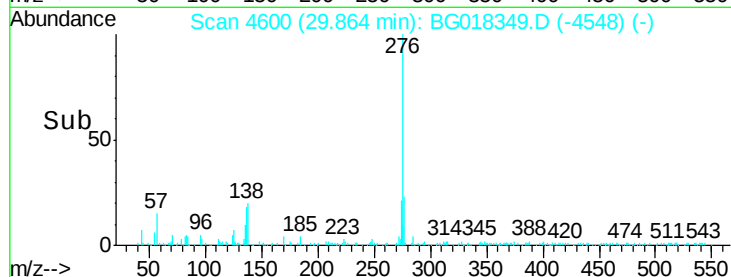
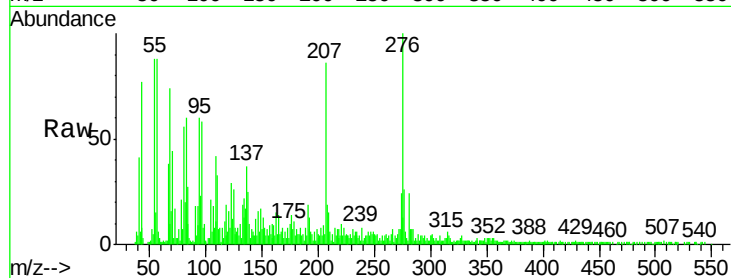
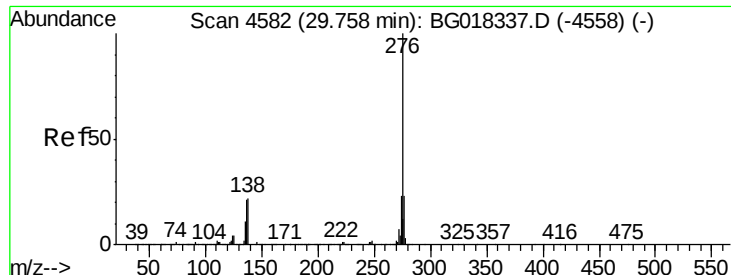


#93

Dibenzo(a,h)anthracene
Concen: 1.48 ng/ul m
RT: 28.76 min Scan# 4412
Delta R.T. 0.08 min
Lab File: BG018349.D
Acq: 10 Aug 2015 3:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	42.3	13.8	20.6#
279	32.5	17.8	26.8#





#94

Benzo(a,h,i)perylene

Concen: 4.75 ng/ul m

RT: 29.86 min Scan# 4600

Delta R.T. 0.11 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

Tot Ion:	276	Resp:	194974
Ion Ratio	Lower	Upper	
276	100		
138	25.2	16.5	24.7#
277	25.7	19.0	28.6

Instrument :

BNA_G

ClientSampleId :

C02C6

Manual Integrations
APPROVED

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