

Data Path : Z:\HPCHEM1\BNA_G\Data\BG081015\
 Data File : BG018371.D
 Acq On : 11 Aug 2015 2:00
 Operator : UM/MA
 Sample : G3109-20
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Manual Integrations
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apatel
 8/11/2015 9:14:02 AM

Quant Time: Aug 14 03:01:05 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 11 01:39:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	121355	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	535428	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.67	164	305651	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.42	188	596601	20.00	ng/ul	0.02
78) Chrysene-d12	21.69	240	528979	20.00	ng/ul	0.03
86) Perylene-d12	24.94	264	552484	20.00	ng/ul	0.07

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	6959	2.53	ng/uL	0.00
5) Phenol-d5	7.20	99	156657	14.22	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.36	67	103351	15.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	129300	15.33	ng/ul	0.01
13) 4-Methylphenol-d8	8.74	113	106416	11.50	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	64465	15.45	ng/ul	0.01
22) 2-Nitrophenol-d4	9.92	143	67239	15.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	131276	14.55	ng/ul	0.01
29) 4-Chloroaniline-d4	10.97	131	51397	5.04	ng/ul	0.00
44) Dimethylphthalate-d6	14.07	166	393732	15.31	ng/ul	0.00
47) Acenaphthylene-d8	14.36	160	440511	13.60	ng/ul	0.01
52) 4-Nitrophenol-d4	14.86	143	38677	8.36	ng/ul	0.02
58) Fluorene-d10	15.66	176	284753	12.71	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.77	200	9397	3.20	ng/ul	0.02
71) Anthracene-d10	17.51	188	364844	12.79	ng/ul	0.01
79) Pyrene-d10	19.80	212	334929	12.20	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.72	264	288332	9.83	ng/ul	0.06

Target Compounds

						Qvalue
14) Acetophenone	8.86	105	38625	2.89	ng/ul	90
28) Naphthalene	10.90	128	81781	2.89	ng/ul	97
34) 2-Methylnaphthalene	12.50	142	96777	4.72	ng/ul	95
41) 1,1'-Biphenyl	13.50	154	29099	1.14	ng/ul	96
45) Dimethylphthalate	14.12	163	197502	7.79	ng/ul#	96
50) Acenaphthene	14.73	153	160113	7.03	ng/ul	99
54) Dibenzofuran	15.06	168	117309	3.94	ng/ul	88
59) Fluorene	15.72	166	192851	7.53	ng/ul	98
70) Phenanthrene	17.46	178	1545355	47.74	ng/ul	95
72) Anthracene	17.55	178	531283	16.11	ng/ul	97
75) Carbazole	17.81	167	184140	6.37	ng/ul#	90
76) Di-n-butylphthalate	18.37	149	123337	3.26	ng/ul#	90
77) Fluoranthene	19.47	202	2130980	61.64	ng/ul#	93
80) Pyrene	19.83	202	1978778	55.32	ng/ul#	93
81) Butylbenzylphthalate	20.71	149	36220	2.39	ng/ul#	61
83) Benzo(a)anthracene	21.67	228	1152390	35.14	ng/ul#	91
84) Bis(2-ethylhexyl)phthalate	21.58	149	811208	37.95	ng/ul#	97
85) Chrysene	21.74	228	1109848	36.19	ng/ul	97
88) Benzo(b)fluoranthene	23.92	252	1325849	38.19	ng/ul#	90
89) Benzo(k)fluoranthene	23.98	252	567536m	16.98	ng/ul	
91) Benzo(a)pyrene	24.79	252	998548	30.26	ng/ul#	91
92) Indeno(1,2,3-cd)pyrene	28.65	276	585169	15.32	ng/ul	94
93) Dibenzo(a,h)anthracene	28.69	278	163190	5.14	ng/ul#	66

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

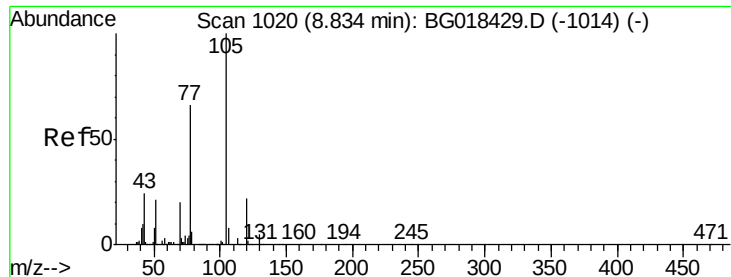
Manual Integrations
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8/11/2015 9:14:02 AM

Quant Time: Aug 14 03:01:05 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 11 01:39:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(g,h,i)perylene	29.81	276	484736	15.12	ng/ul#	91

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



#14

Acetophenone

Concen: 2.89 ng/ul

RT: 8.86 min Scan# 1025

Delta R.T. 0.01 min

Lab File: BG018371.D

Acq: 11 Aug 2015 2:00

Instrument :

BNA_G

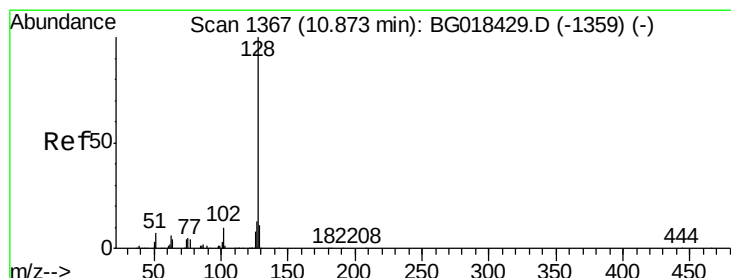
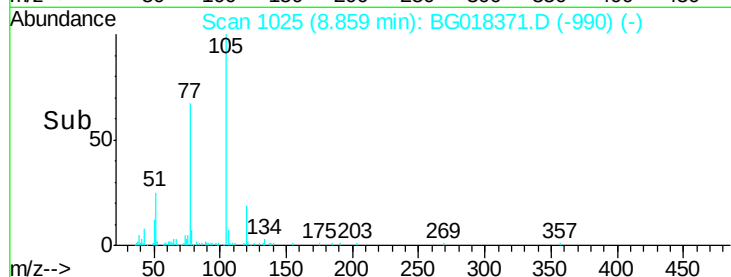
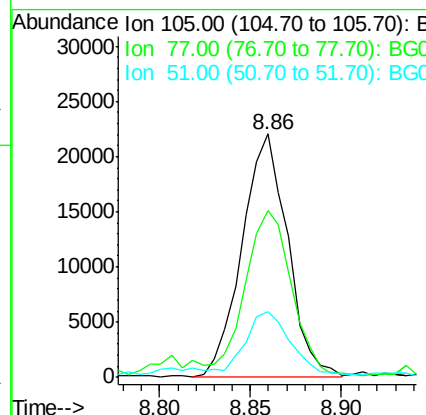
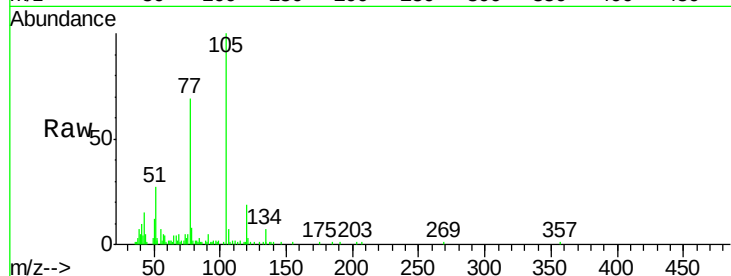
ClientSampleId :

C02F4

Tgt	Ion	Ratio	Resp	Lower	Upper
105	105	100	38625		
77	77	68.5	61.9	92.9	
51	51	26.9	25.5	38.3	

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#28

Naphthalene

Concen: 2.89 ng/ul

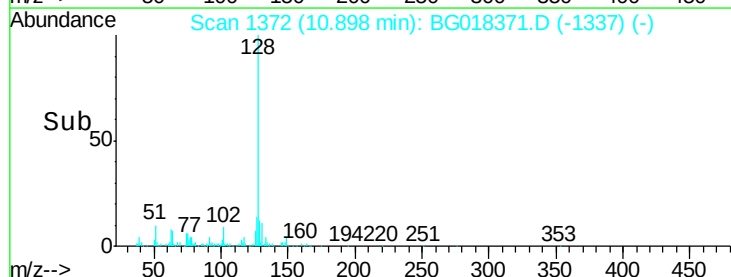
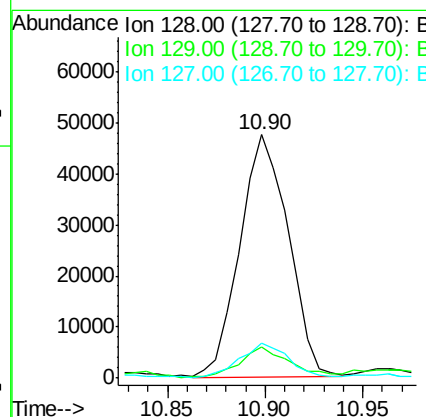
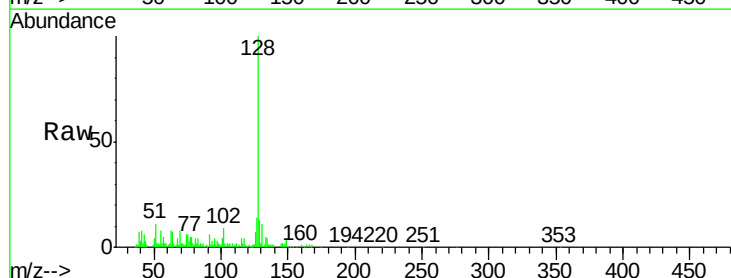
RT: 10.90 min Scan# 1372

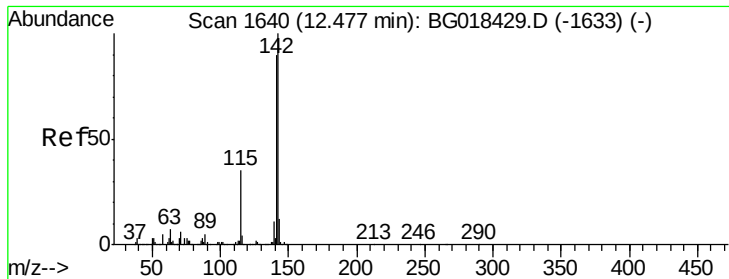
Delta R.T. 0.01 min

Lab File: BG018371.D

Acq: 11 Aug 2015 2:00

Tgt	Ion	Ratio	Resp	Lower	Upper
128	128	100	81781		
129	129	12.7	9.6	14.4	
127	127	14.4	10.5	15.7	





#34

2-Methylnaphthalene

Concen: 4.72 ng/ul

RT: 12.50 min Scan# 1645

Delta R.T. 0.01 min

Lab File: BG018371.D

Acq: 11 Aug 2015 2:00

Instrument :

BNA_G

ClientSampleId :

C02F4

Tgt Ion:142 Resp: 96777

Ion Ratio Lower Upper

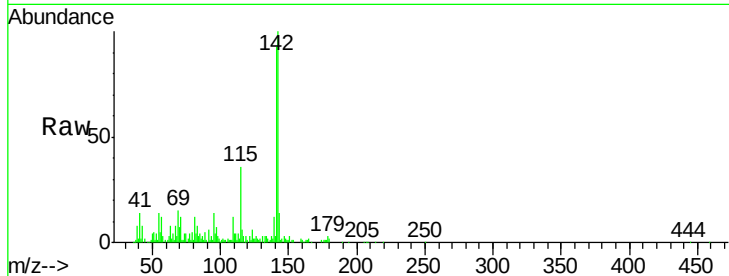
142 100

141 92.7 78.0 117.0

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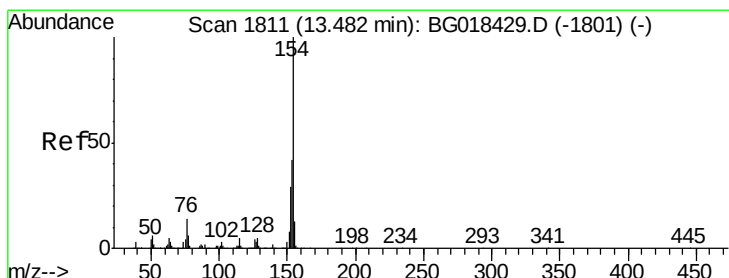
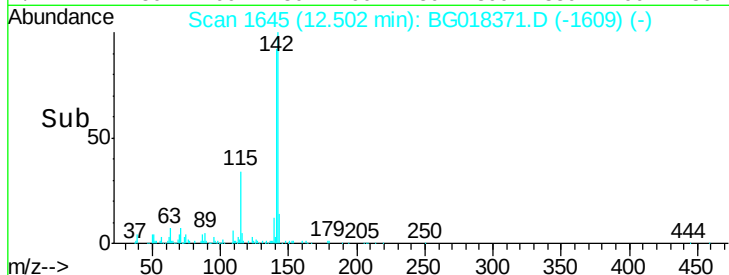
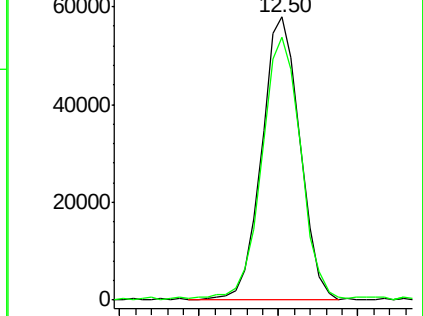
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#41

1,1'-Biphenyl

Concen: 1.14 ng/ul

RT: 13.50 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BG018371.D

Acq: 11 Aug 2015 2:00

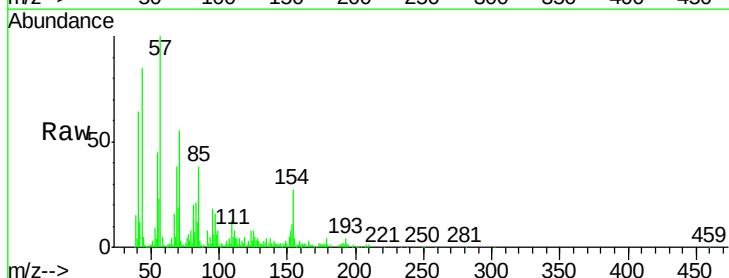
Tgt Ion:154 Resp: 29099

Ion Ratio Lower Upper

154 100

153 40.7 35.2 52.8

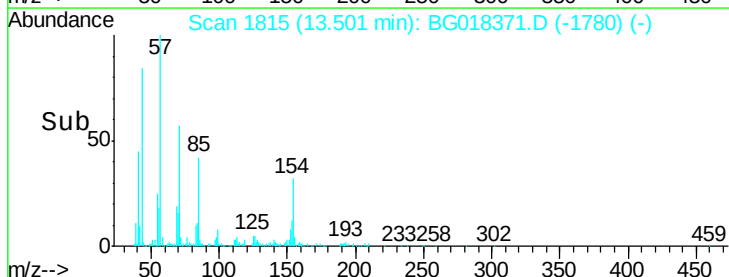
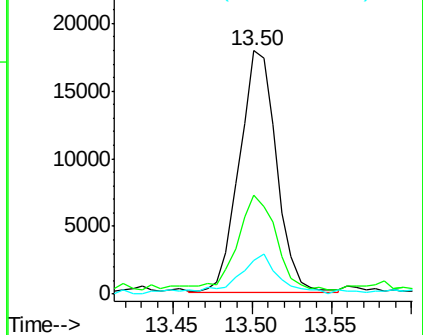
76 13.8 10.6 16.0

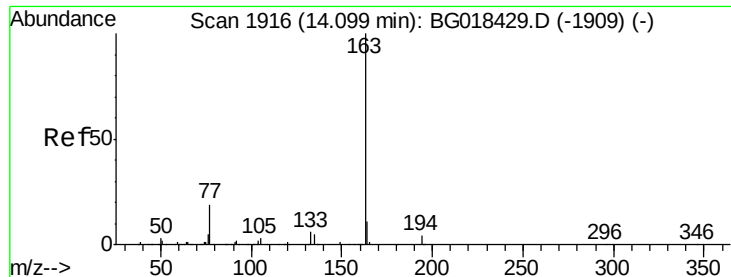


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG





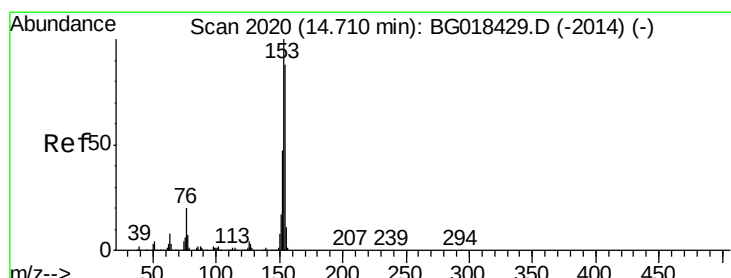
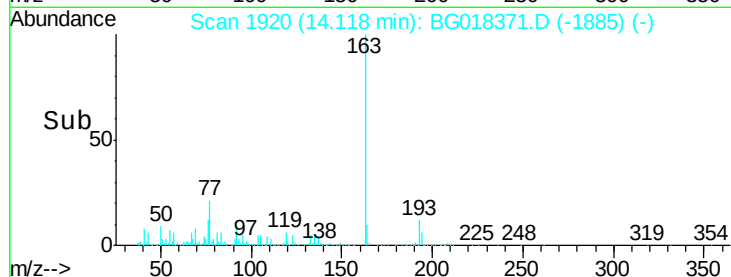
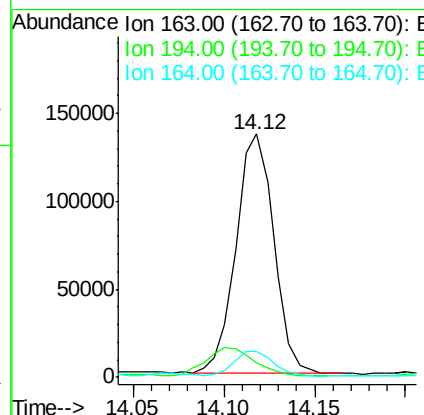
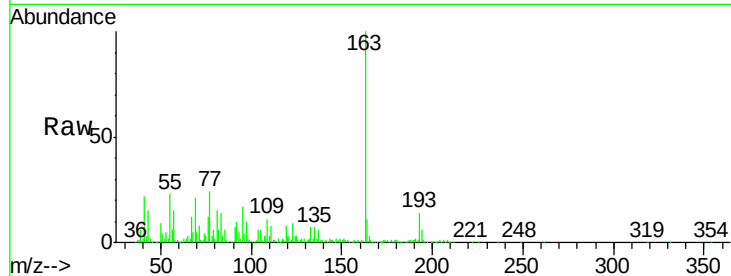
#45
Dimethylphthalate
Concen: 7.79 ng/ul
RT: 14.12 min Scan# 1920
Delta R.T. 0.01 min
Lab File: BG018371.D
Acq: 11 Aug 2015 2:00

Instrument :
BNA_G
ClientSampleId :
C02F4

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	6.1	2.9	4.3#
164	10.8	7.7	11.5

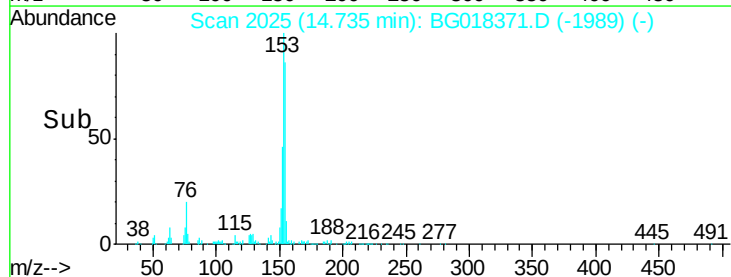
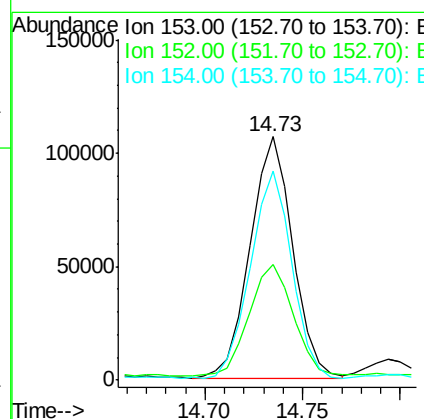
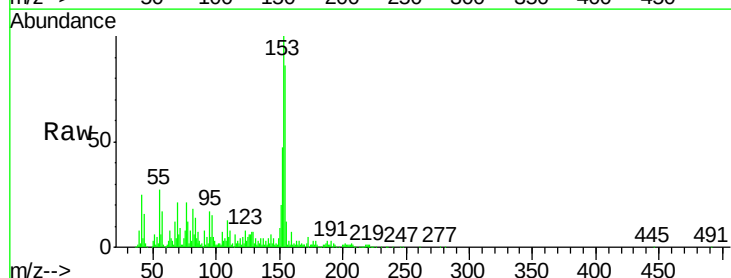
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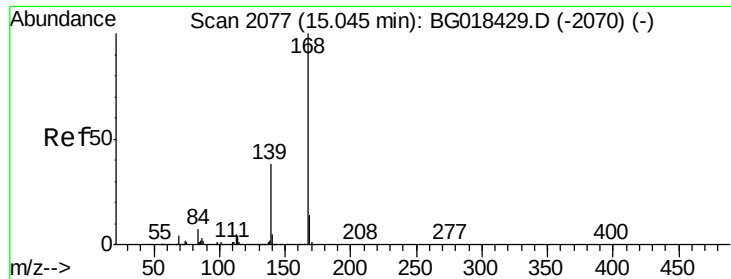
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#50
Acenaphthene
Concen: 7.03 ng/ul
RT: 14.73 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BG018371.D
Acq: 11 Aug 2015 2:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
153	100		
152	47.3	38.2	57.4
154	86.1	68.6	103.0





#54

Dibenzenofuran

Concen: 3.94 ng/ul

RT: 15.06 min Scan# 2081

Delta R.T. 0.01 min

Lab File: BG018371.D

Acq: 11 Aug 2015 2:00

Instrument :

BNA_G

ClientSampleId :

C02F4

Tgt Ion:168 Resp: 117309

Ion Ratio Lower Upper

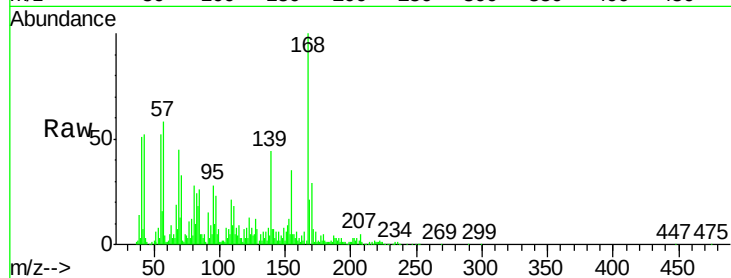
168 100

139 44.1 29.7 44.5

Manual Integrations
APPROVED

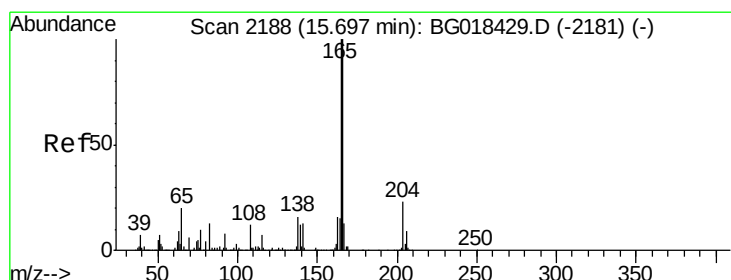
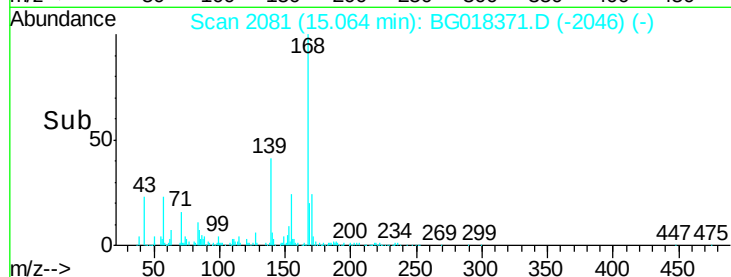
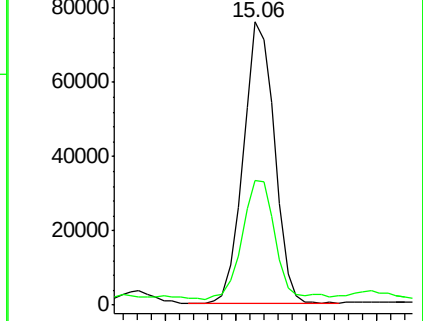
apatel

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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 7.53 ng/ul

RT: 15.72 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BG018371.D

Acq: 11 Aug 2015 2:00

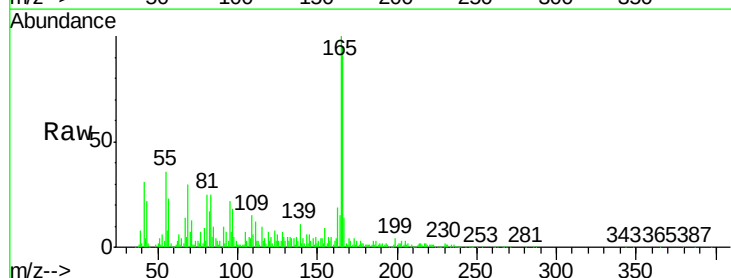
Tgt Ion:166 Resp: 192851

Ion Ratio Lower Upper

166 100

165 104.9 82.6 124.0

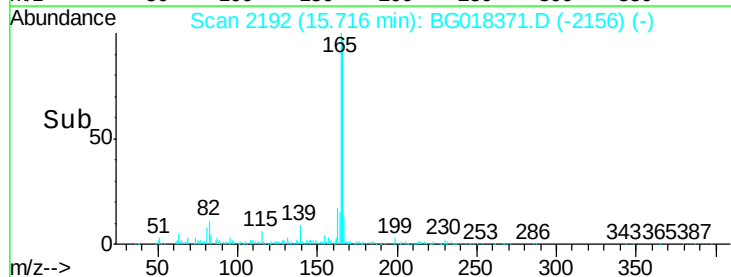
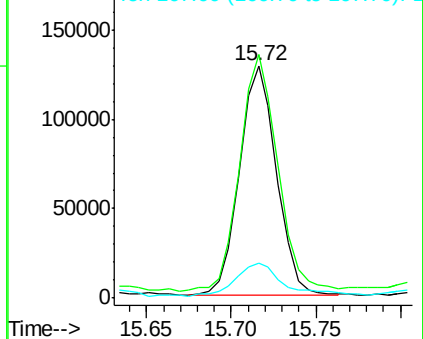
167 15.0 11.4 17.0

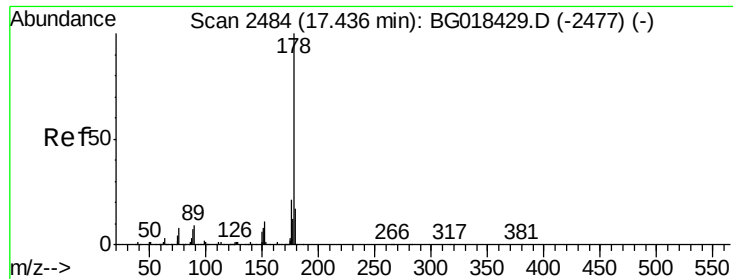


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





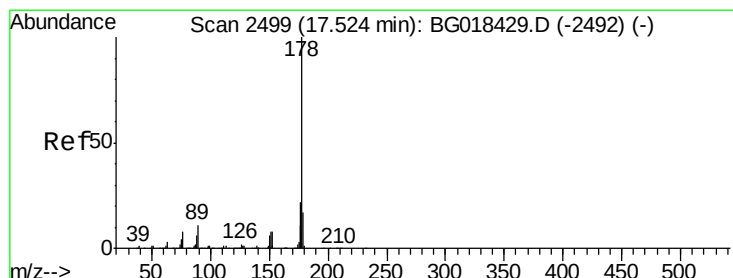
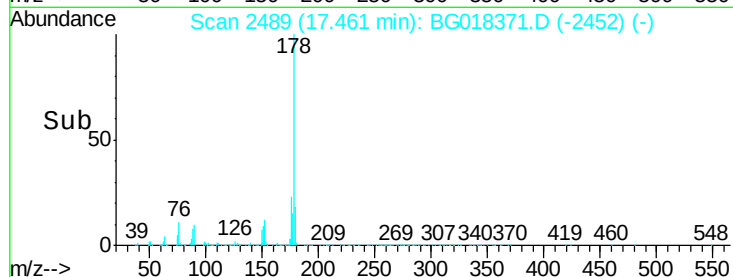
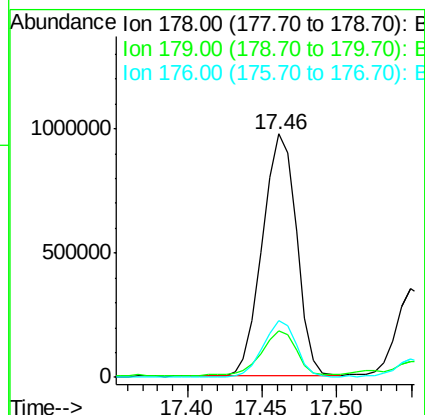
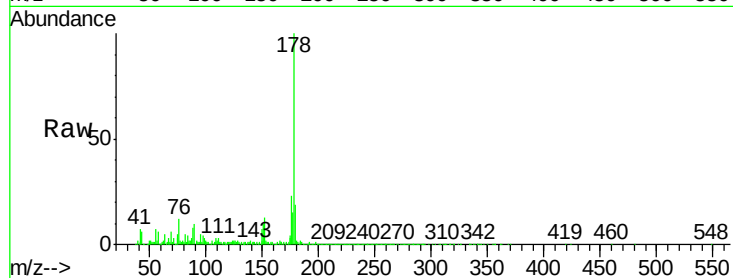
#70
 Phenanthrene
 Concen: 47.74 ng/ul
 RT: 17.46 min Scan# 2489
 Delta R.T. 0.02 min
 Lab File: BG018371.D
 Acq: 11 Aug 2015 2:00

Instrument :
 BNA_G
 ClientSampled :
 C02F4

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.2	13.7	20.5
176	23.2	16.6	24.8

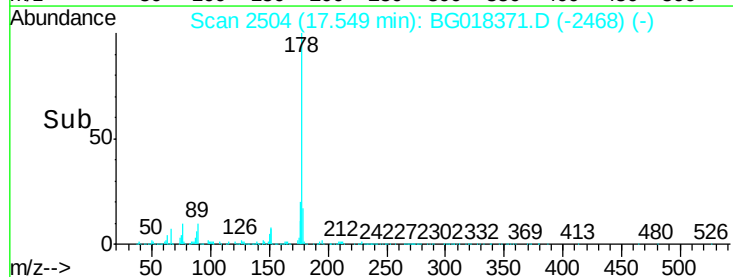
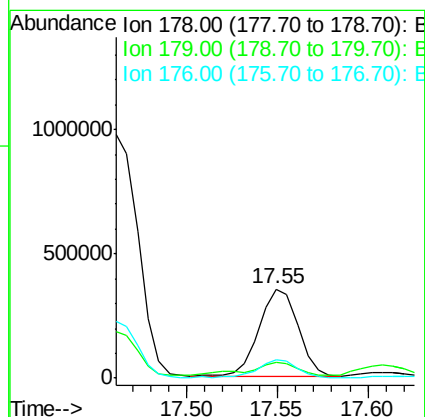
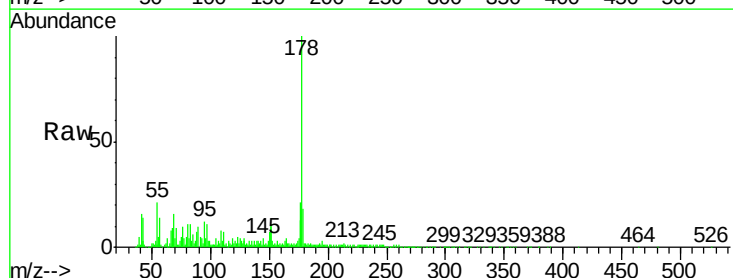
Manual Integrations
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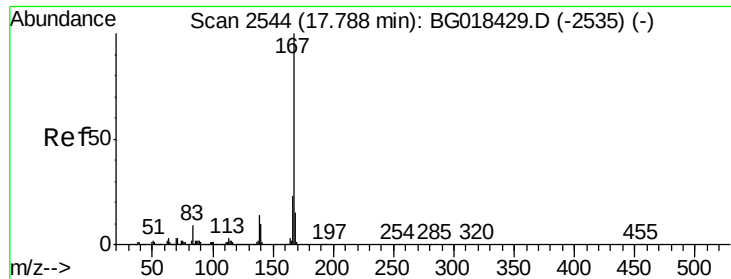
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#72
 Anthracene
 Concen: 16.11 ng/ul
 RT: 17.55 min Scan# 2504
 Delta R.T. 0.01 min
 Lab File: BG018371.D
 Acq: 11 Aug 2015 2:00

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.4	13.0	19.4
176	20.7	16.0	24.0





#75

Carbazole

Concen: 6.37 ng/ul

RT: 17.81 min Scan# 2549

Delta R.T. 0.02 min

Lab File: BG018371.D

Acq: 11 Aug 2015 2:00

Instrument :

BNA_G

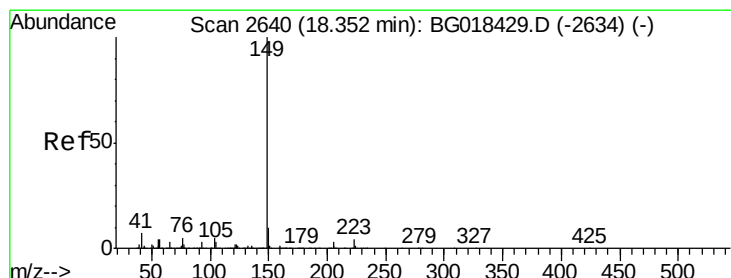
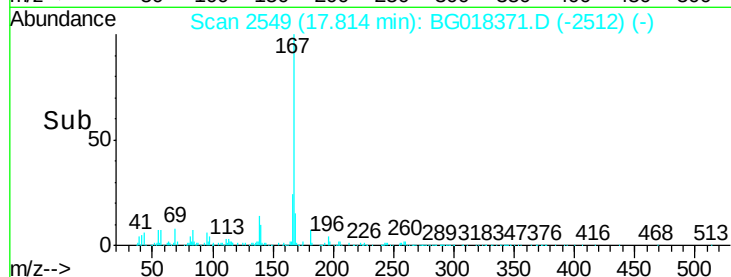
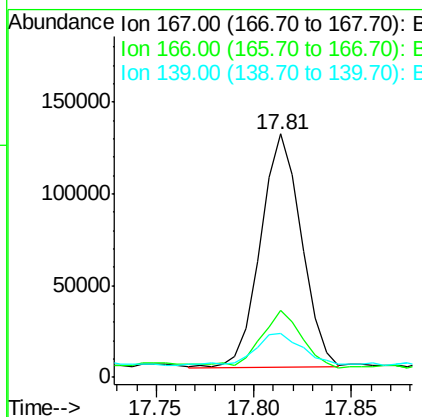
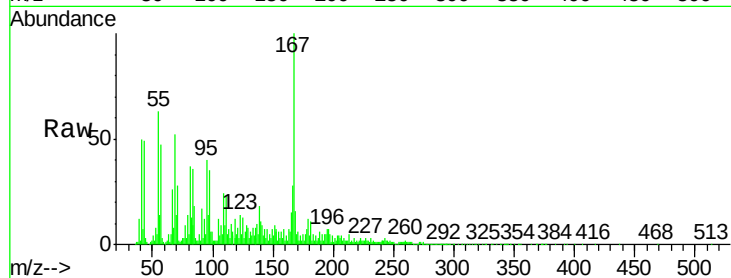
ClientSampleId :

C02F4

Tgt Ion:	167	Resp:	184140
Ion Ratio		Lower	Upper
167	100		
166	27.7	18.9	28.3
139	18.2	10.1	15.1#

Manual Integrations
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#76

Di-n-butylphthalate

Concen: 3.26 ng/ul

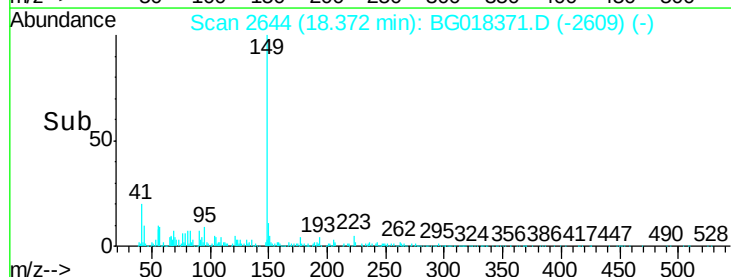
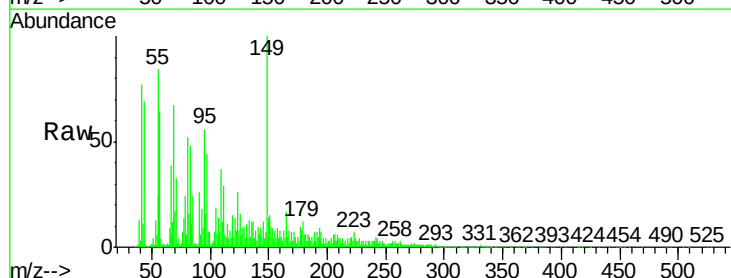
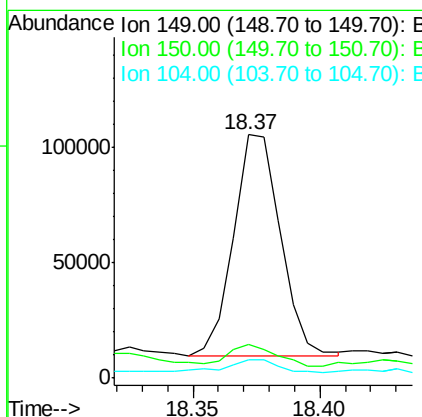
RT: 18.37 min Scan# 2644

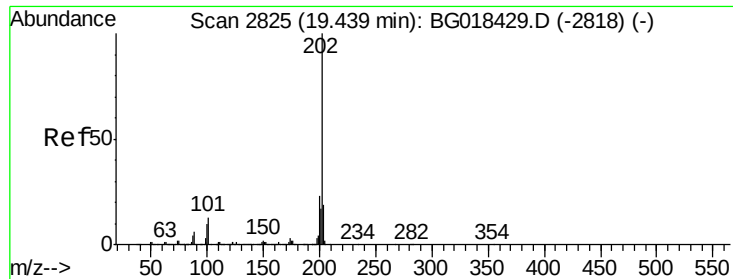
Delta R.T. 0.01 min

Lab File: BG018371.D

Acq: 11 Aug 2015 2:00

Tgt Ion:	149	Resp:	123337
Ion Ratio		Lower	Upper
149	100		
150	14.1	7.5	11.3#
104	7.3	4.3	6.5#





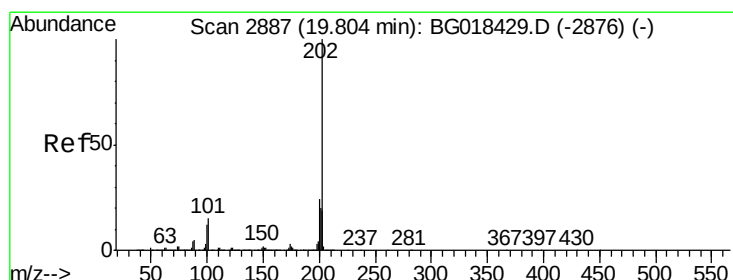
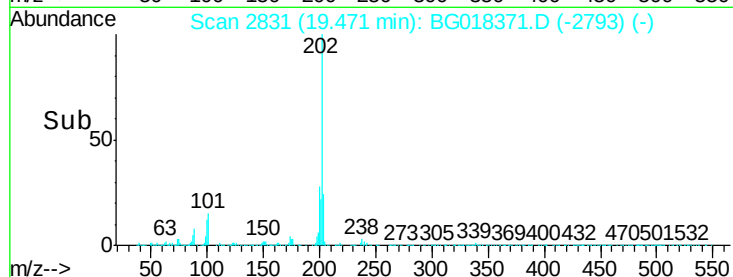
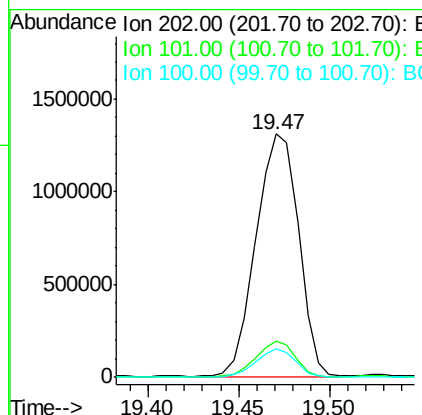
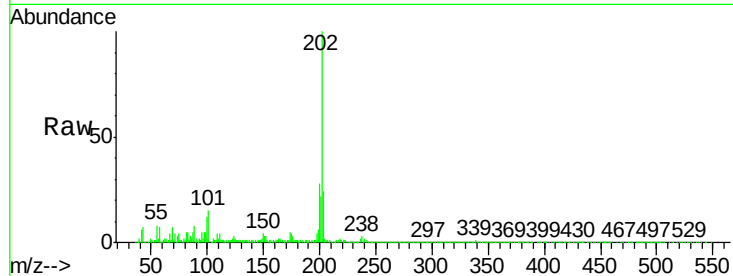
#77
 Fluoranthene
 Concen: 61.64 ng/ul
 RT: 19.47 min Scan# 2831
 Delta R.T. 0.03 min
 Lab File: BG018371.D
 Acq: 11 Aug 2015 2:00

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.1	9.7	14.5#
100	11.8	7.8	11.8#

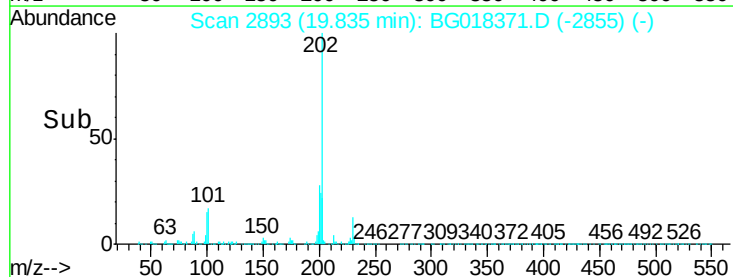
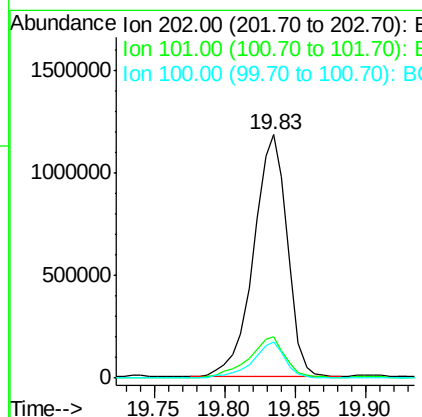
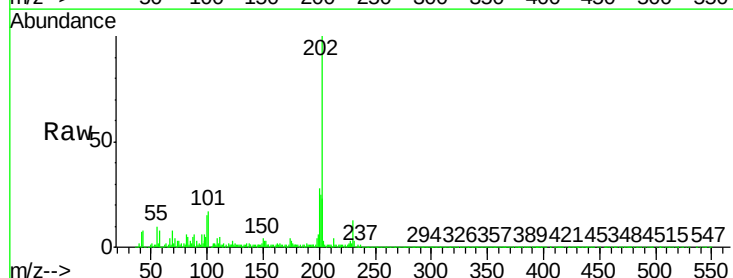
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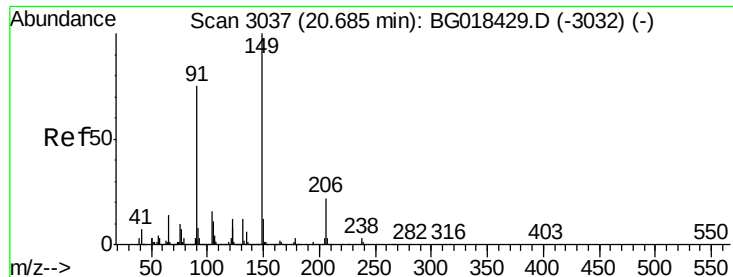
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#80
 Pyrene
 Concen: 55.32 ng/ul
 RT: 19.83 min Scan# 2893
 Delta R.T. 0.03 min
 Lab File: BG018371.D
 Acq: 11 Aug 2015 2:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.8	11.0	16.4#
100	15.0	9.8	14.6#





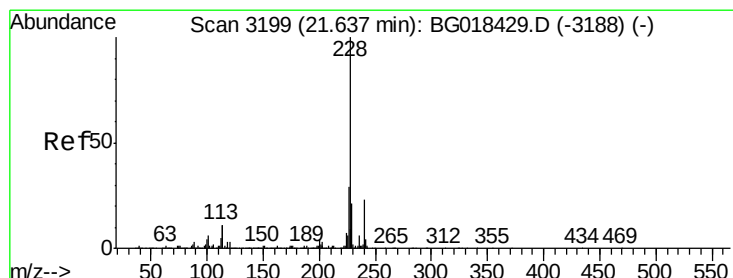
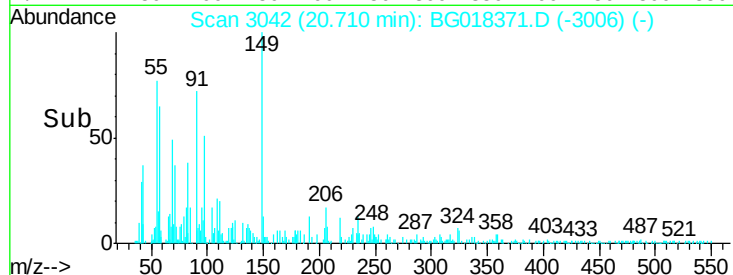
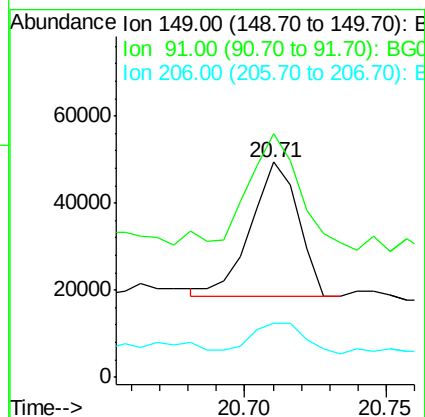
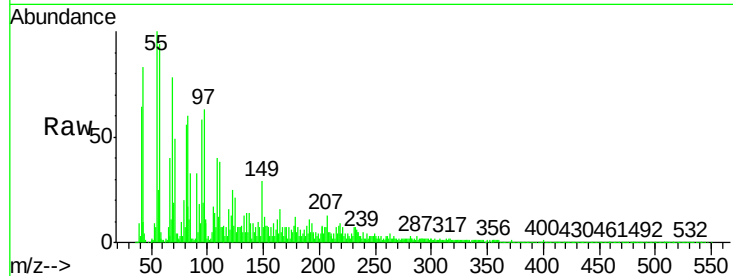
#81
Butylbenzylphthalate
Concen: 2.39 ng/ul
RT: 20.71 min Scan# 3042
Delta R.T. 0.01 min
Lab File: BG018371.D
Acq: 11 Aug 2015 2:00

Instrument :
BNA_G
ClientSampleId :
C02F4

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	36220		
91	113.2	57.9	86.9#	
206	25.4	17.9	26.9	

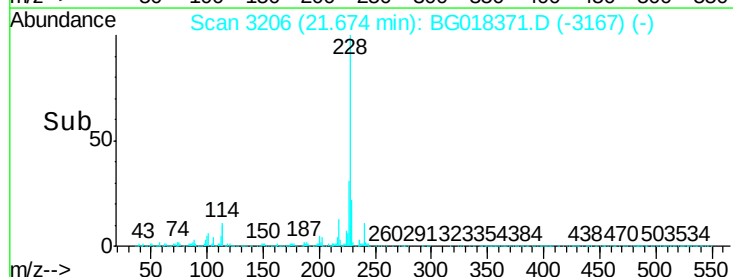
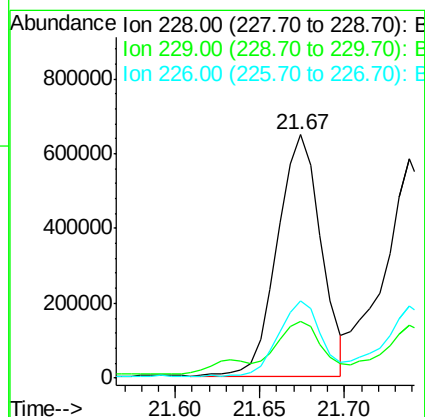
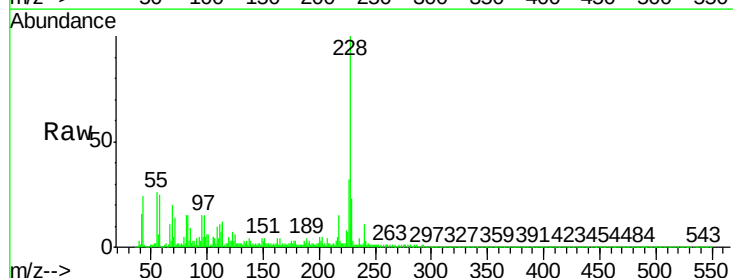
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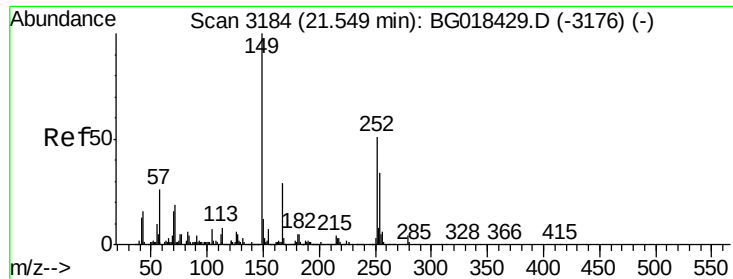
apatel
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#83
Benzo(a)anthracene
Concen: 35.14 ng/ul
RT: 21.67 min Scan# 3206
Delta R.T. 0.03 min
Lab File: BG018371.D
Acq: 11 Aug 2015 2:00

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1152390		
229	23.5	15.5	23.3#	
226	31.9	22.1	33.1	





#84

Bis(2-ethylhexyl)phthalate

Concen: 37.95 ng/ul

RT: 21.58 min Scan# 3190

Delta R.T. 0.02 min

Lab File: BG018371.D

Acq: 11 Aug 2015 2:00

Instrument :

BNA_G

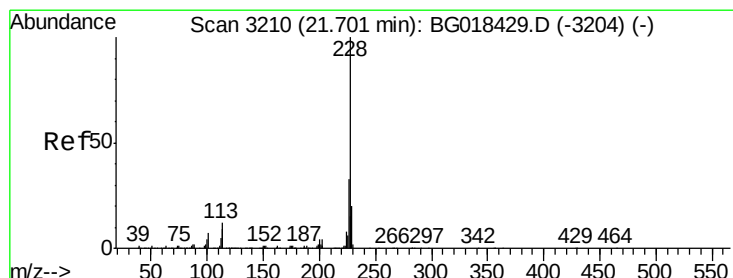
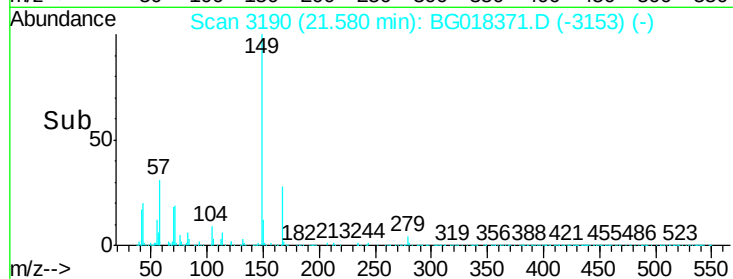
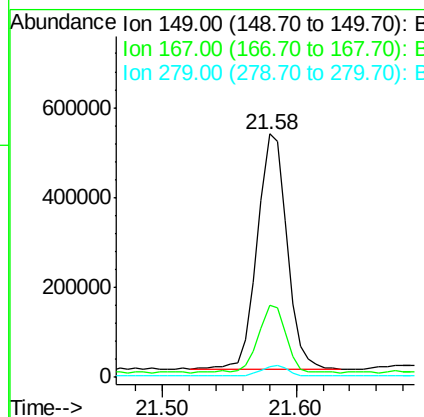
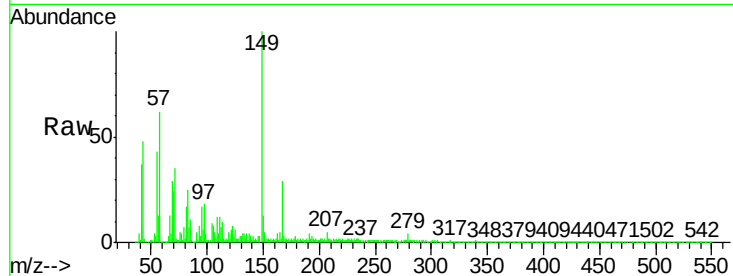
ClientSampleId :

C02F4

Tgt Ion:	149	Resp:	811208
Ion Ratio	Lower	Upper	
149	100		
167	29.5	22.2	33.2
279	4.4	2.8	4.2#

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#85

Chrysene

Concen: 36.19 ng/ul

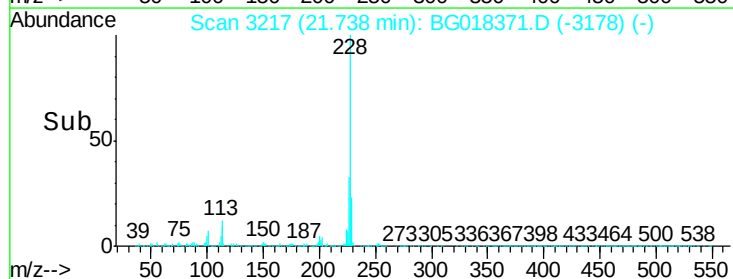
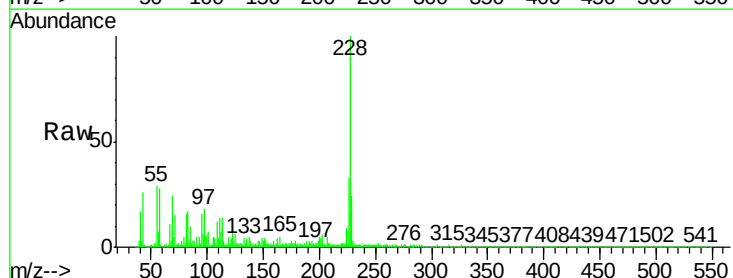
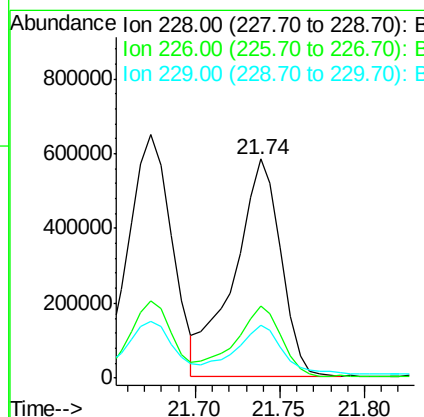
RT: 21.74 min Scan# 3217

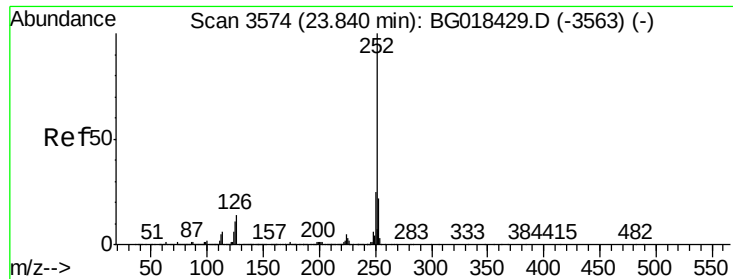
Delta R.T. 0.03 min

Lab File: BG018371.D

Acq: 11 Aug 2015 2:00

Tgt Ion:	228	Resp:	1109848
Ion Ratio	Lower	Upper	
228	100		
226	33.0	26.5	39.7
229	24.3	16.9	25.3





#88

Benzo(b)fluoranthene

Concen: 38.19 ng/ul

RT: 23.92 min Scan# 3588

Delta R.T. 0.07 min

Lab File: BG018371.D

Acq: 11 Aug 2015 2:00

Instrument :

BNA_G

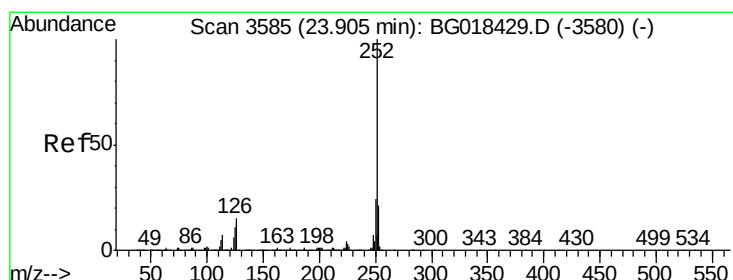
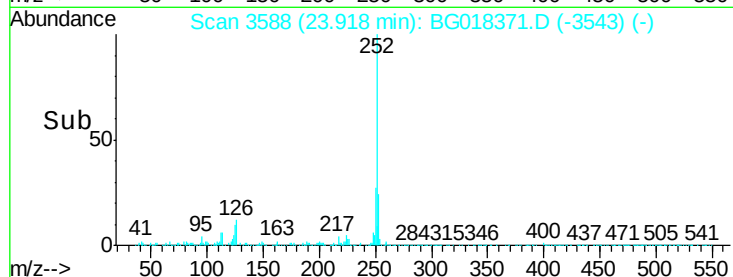
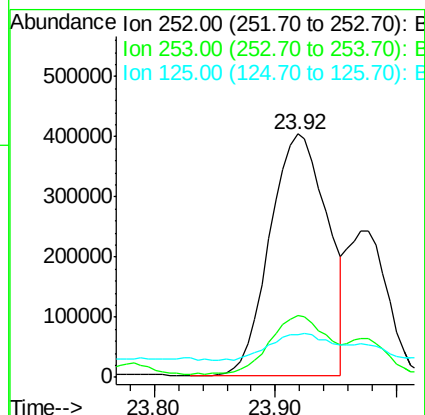
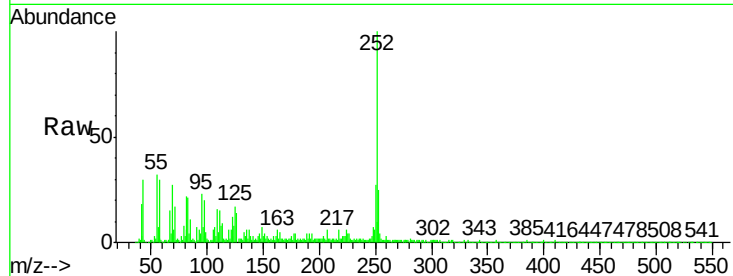
ClientSampled :

C02F4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.1	27.1
125	17.4	8.3	12.5#

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#89

Benzo(k)fluoranthene

Concen: 16.98 ng/ul m

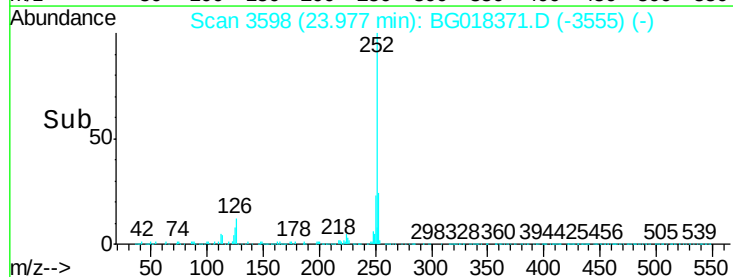
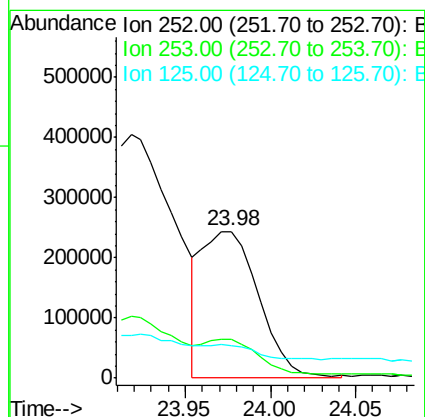
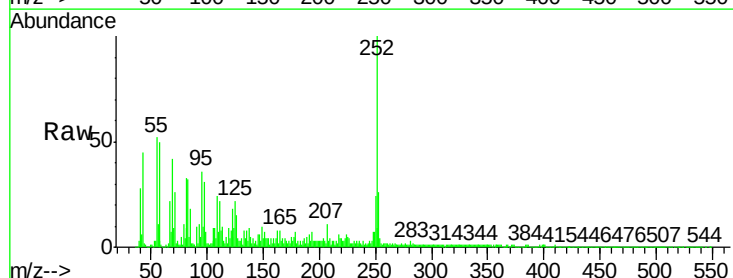
RT: 23.98 min Scan# 3598

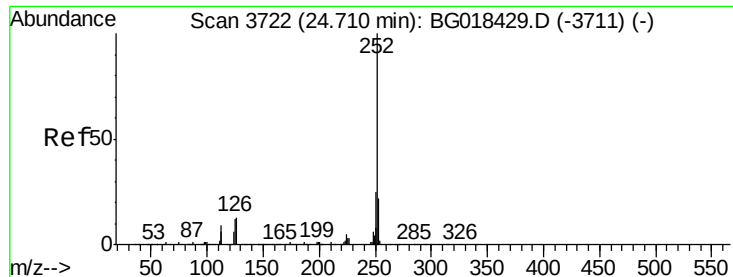
Delta R.T. 0.06 min

Lab File: BG018371.D

Acq: 11 Aug 2015 2:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.8	26.6
125	21.8	9.0	13.4#





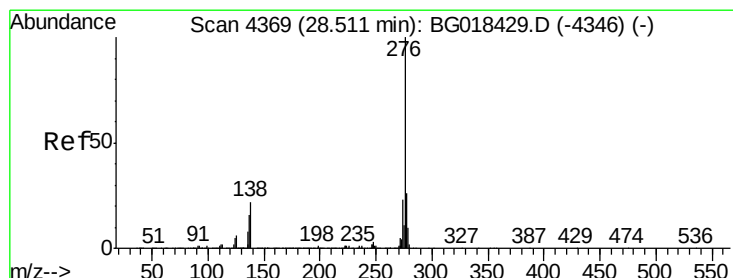
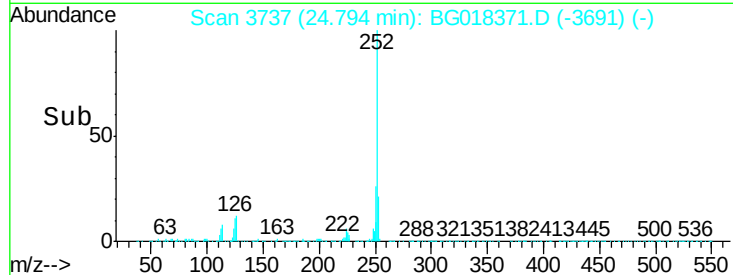
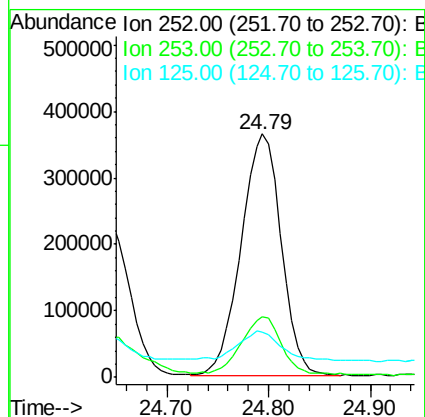
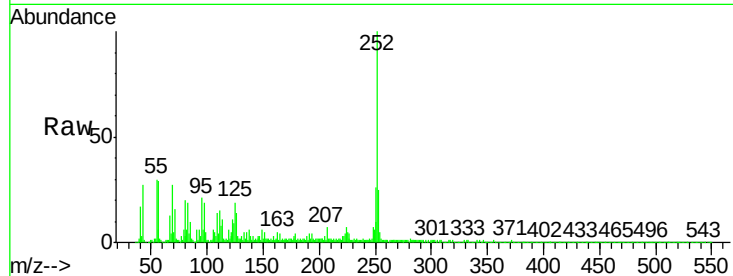
#91
Benzo(a)pyrene
Concen: 30.26 ng/ul
RT: 24.79 min Scan# 3737
Delta R.T. 0.07 min
Lab File: BG018371.D
Acq: 11 Aug 2015 2:00

Instrument :
BNA_G
ClientSampled :
C02F4

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.8	17.7	26.5
125	18.6	10.2	15.2#

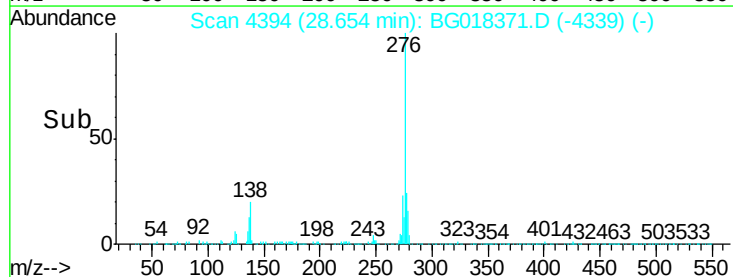
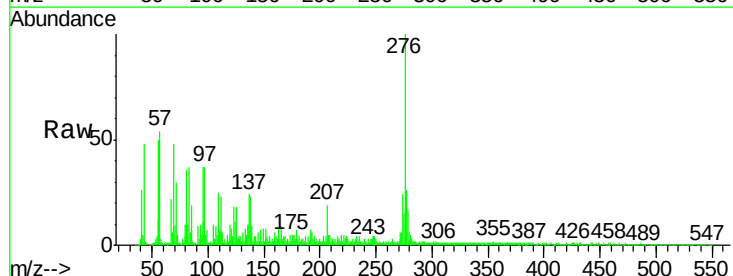
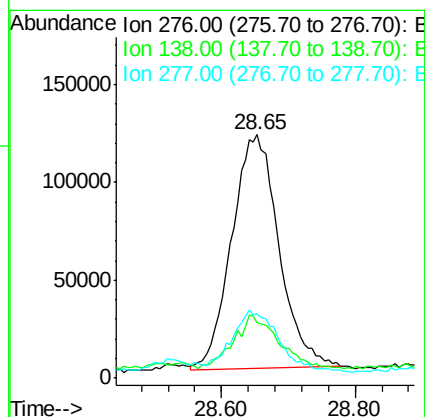
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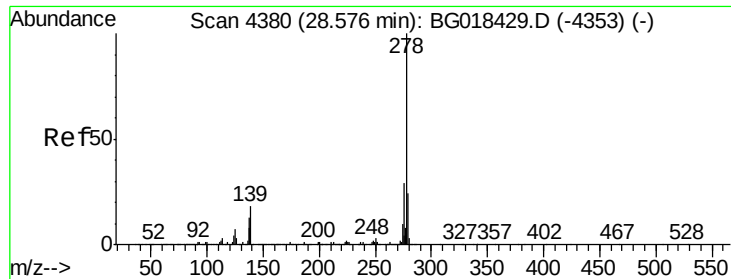
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#92
Indeno(1,2,3-cd)pyrene
Concen: 15.32 ng/ul
RT: 28.65 min Scan# 4394
Delta R.T. 0.13 min
Lab File: BG018371.D
Acq: 11 Aug 2015 2:00

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	23.0	15.8	23.6
277	26.4	18.9	28.3





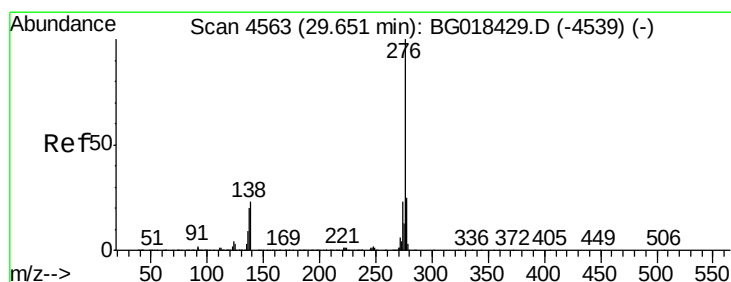
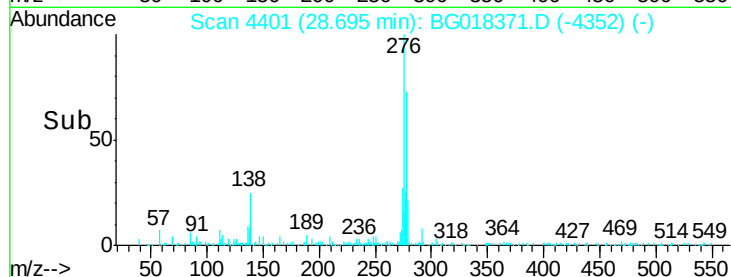
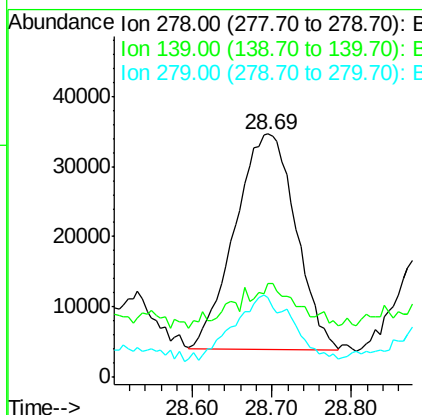
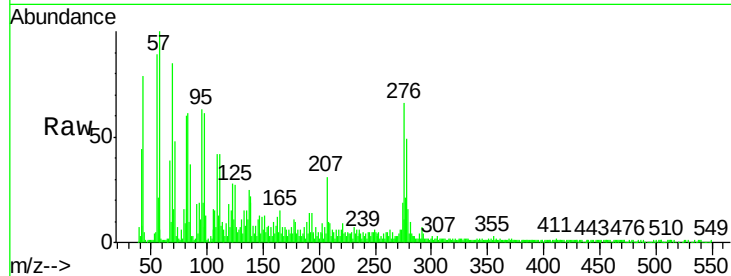
#93
Dibenzo(a,h)anthracene
Concen: 5.14 ng/ul
RT: 28.69 min Scan# 4401
Delta R.T. 0.09 min
Lab File: BG018371.D
Acq: 11 Aug 2015 2:00

Instrument :
BNA_G
ClientSampled :
C02F4

Tgt Ion	Ratio	Lower	Upper
278	100		
139	38.7	13.8	20.6#
279	32.8	17.8	26.8#

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 15.12 ng/ul
RT: 29.81 min Scan# 4590
Delta R.T. 0.13 min
Lab File: BG018371.D
Acq: 11 Aug 2015 2:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.4	16.5	24.7#
277	27.6	19.0	28.6

