

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
 Data File : BG018925.D
 Acq On : 26 Sep 2015 22:52
 Operator : UM/NP
 Sample : G3798-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9G67

Manual Integrations
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MMDadoda
 9/28/2015 6:15:49 PM

Quant Time: Sep 28 06:01:37 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 28 04:33:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	58958	20.00	ng/ul	0.00
18) Naphthalene-d8	10.79	136	257996	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.61	164	166767	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.36	188	380547	20.00	ng/ul	0.00
78) Chrysene-d12	21.62	240	371575	20.00	ng/ul	0.01
86) Perylene-d12	24.81	264	397102	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	798	0.65	ng/uL	0.00
5) Phenol-d5	7.16	99	43426	8.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.32	67	22101	7.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.53	132	33849	9.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.70	113	35826	9.12	ng/ul	0.00
19) Nitrobenzene-d5	9.16	128	16995	8.69	ng/ul	0.01
22) 2-Nitrophenol-d4	9.87	143	19272	9.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.42	165	40662	9.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.94	131	8255	1.71	ng/ul	0.01
44) Dimethylphthalate-d6	14.01	166	131645	9.81	ng/ul	0.00
47) Acenaphthylene-d8	14.31	160	101603	6.39	ng/ul	0.00
52) 4-Nitrophenol-d4	14.82	143	15914	6.18	ng/ul	0.00
58) Fluorene-d10	15.60	176	49612	4.23	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.72	200	6555	3.64	ng/ul	0.00
71) Anthracene-d10	17.45	188	15163	0.91	ng/ul	0.00
79) Pyrene-d10	19.74	212	43251	2.53	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.60	264	13934	0.72	ng/ul	0.03

Target Compounds

					Qvalue
14) Acetophenone	8.80	105	6784	1.13 ng/ul#	67
28) Naphthalene	10.84	128	34897	2.66 ng/ul	99
34) 2-Methylnaphthalene	12.45	142	17568	1.81 ng/ul	95
35) 1-Methylnaphthalene	12.67	142	12294	1.32 ng/ul#	95
45) Dimethylphthalate	14.06	163	44665	3.43 ng/ul	98
48) Acenaphthylene	14.34	152	134761	7.96 ng/ul	98
50) Acenaphthene	14.68	153	19641	1.72 ng/ul	95
54) Dibenzofuran	15.01	168	20777	1.30 ng/ul	93
59) Fluorene	15.66	166	20237	1.50 ng/ul#	97
70) Phenanthrene	17.40	178	313641	16.21 ng/ul	99
72) Anthracene	17.49	178	168591	8.69 ng/ul	99
75) Carbazole	17.76	167	69100	4.01 ng/ul	96
77) Fluoranthene	19.41	202	1260082	58.76 ng/ul	99
80) Pyrene	19.77	202	1288695	58.98 ng/ul	98
81) Butylbenzylphthalate	20.65	149	15203	1.81 ng/ul#	93
83) Benzo(a)anthracene	21.60	228	1005712	48.82 ng/ul	93
84) Bis(2-ethylhexyl)phthalate	21.49	149	75881	6.11 ng/ul#	98
85) Chrysene	21.66	228	1079479	56.80 ng/ul	97
88) Benzo(b)fluoranthene	23.81	252	1862432	82.94 ng/ul	95
89) Benzo(k)fluoranthene	23.86	252	712443m	33.12 ng/ul	
91) Benzo(a)pyrene	24.67	252	1112160	52.11 ng/ul	95
92) Indeno(1,2,3-cd)pyrene	28.46	276	863142	34.88 ng/ul	97
93) Dibenzo(a,h)anthracene	28.48	278	222893	11.22 ng/ul#	91

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D9G67

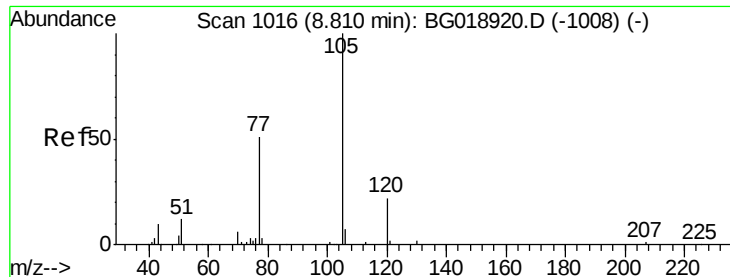
Manual Integrations
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Quant Time: Sep 28 06:01:37 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 28 04:33:51 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(g,h,i)perylene	29.60	276	794830	38.48	ng/ul	98

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



#14

Acetophenone

Concen: 1.13 ng/ul

RT: 8.80 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BG018925.D

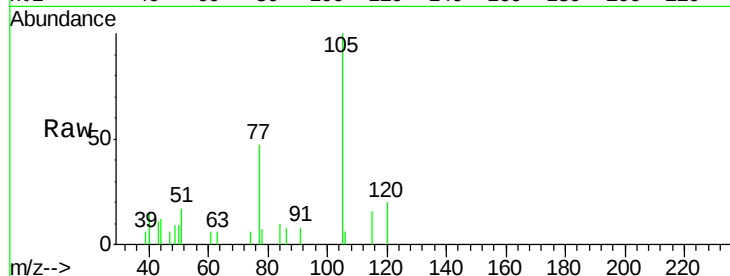
Acq: 26 Sep 2015 22:52

Instrument :

BNA_G

ClientSampleId :

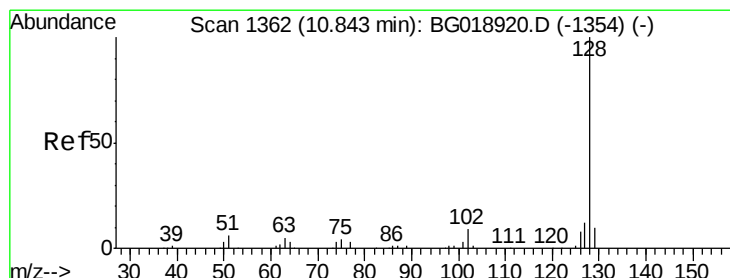
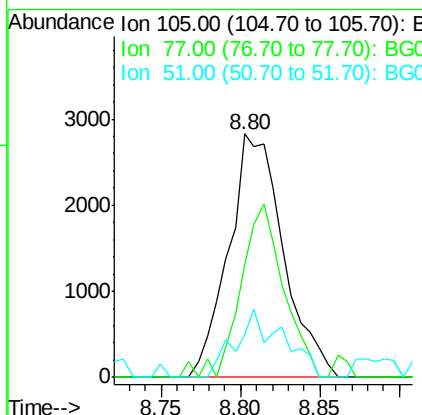
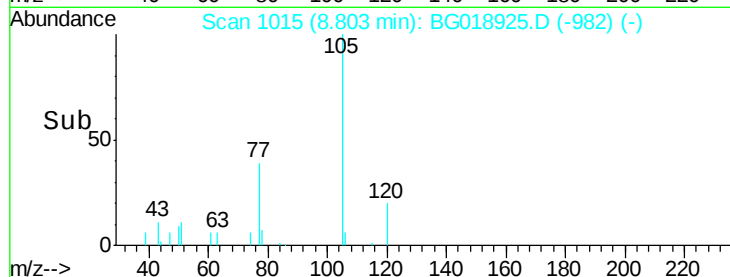
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Tgt Ion	Ratio	Resp	Lower	Upper
105	100	6784		
77	46.6	61.9	92.9#	
51	17.4	25.5	38.3#	

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#28

Naphthalene

Concen: 2.66 ng/ul

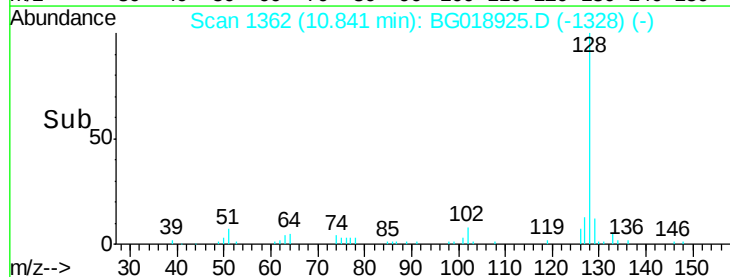
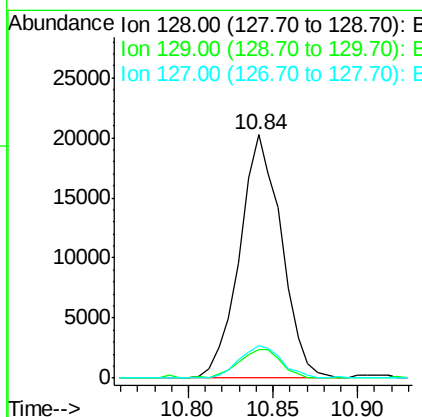
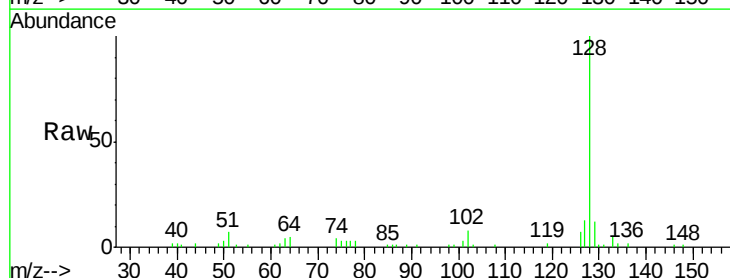
RT: 10.84 min Scan# 1362

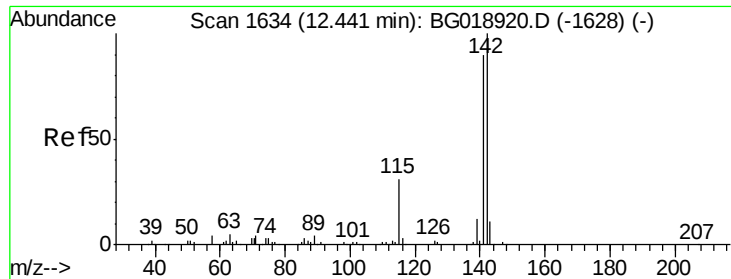
Delta R.T. -0.00 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	34897		
129	11.6	9.6	14.4	
127	13.2	10.5	15.7	





#34

2-Methylnaphthalene

Concen: 1.81 ng/ul

RT: 12.45 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

Instrument :

BNA_G

ClientSampleId :

D9G67

Tgt Ion:142 Resp: 17568

Ion Ratio Lower Upper

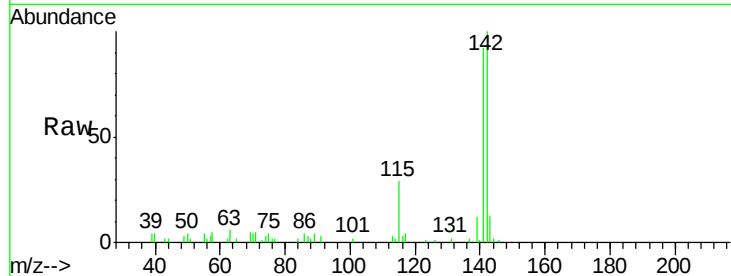
142 100

141 92.5 78.0 117.0

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12000

10000

8000

6000

4000

2000

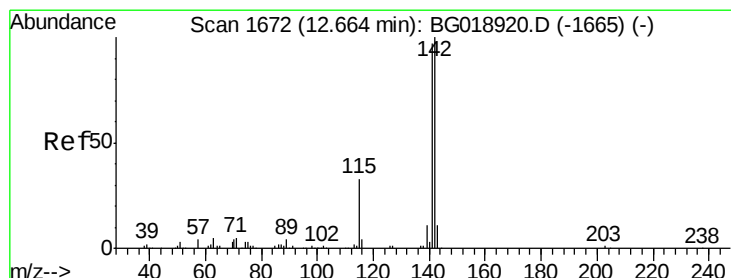
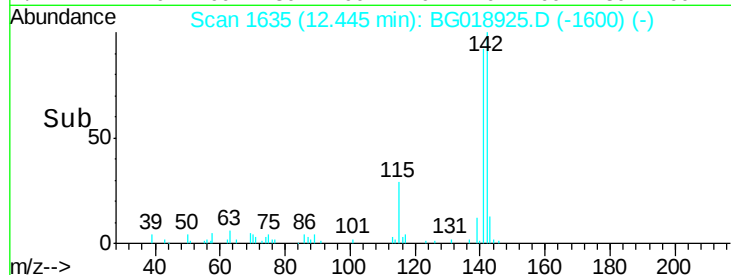
0

12.40

12.45

12.50

Time-->



#35

1-Methylnaphthalene

Concen: 1.32 ng/ul

RT: 12.67 min Scan# 1673

Delta R.T. 0.00 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

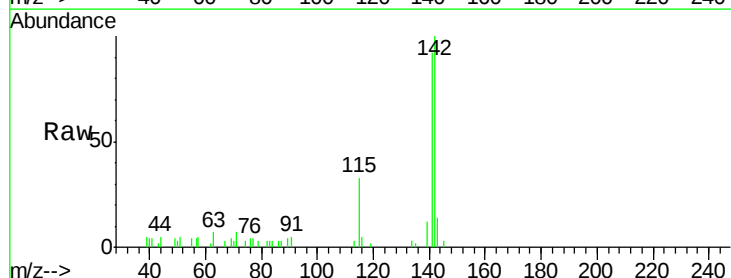
Tgt Ion:142 Resp: 12294

Ion Ratio Lower Upper

142 100

141 91.7 77.1 115.7

116 5.3 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

10000

8000

6000

4000

2000

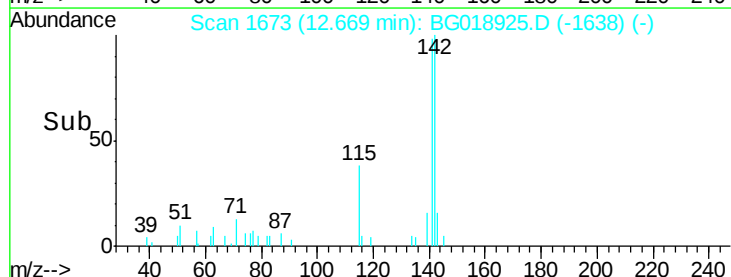
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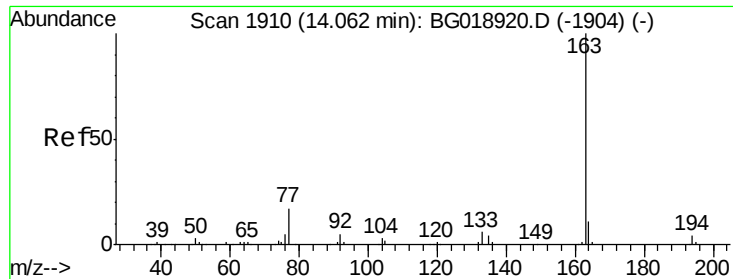
12.60

12.65

12.70

Time-->





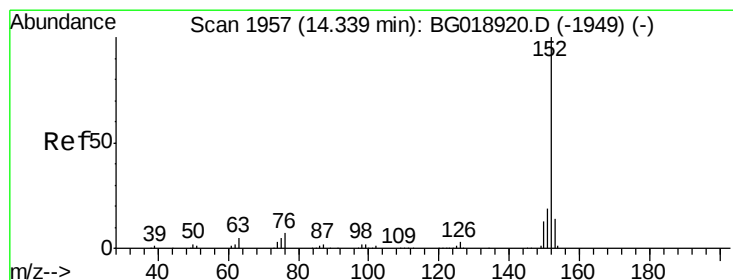
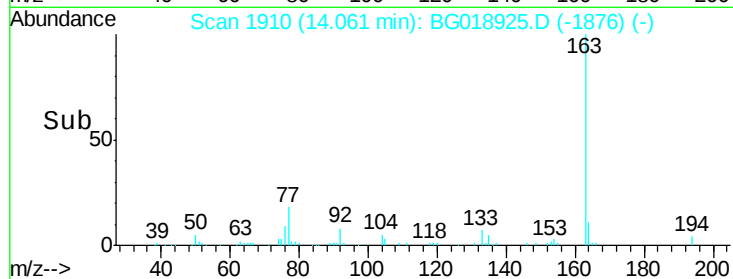
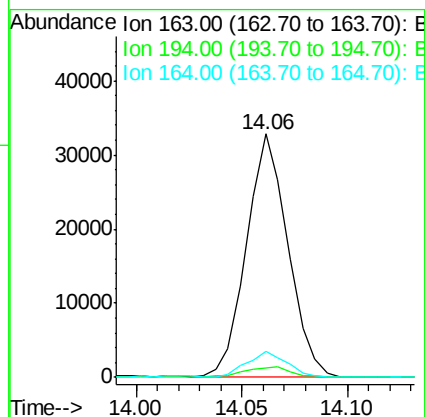
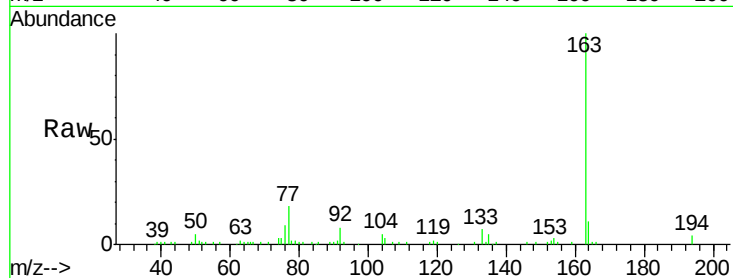
#45
Dimethylphthalate
Concen: 3.43 ng/ul
RT: 14.06 min Scan# 1910
Delta R.T. -0.00 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

Instrument :
BNA_G
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D9G67

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	44665		
194	3.8		2.9	4.3
164	10.7		7.7	11.5

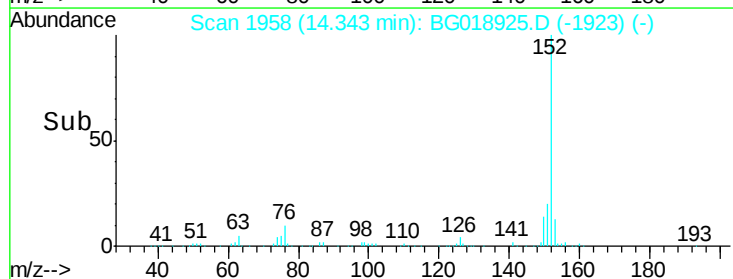
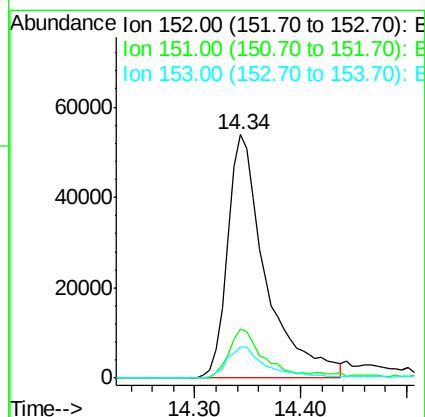
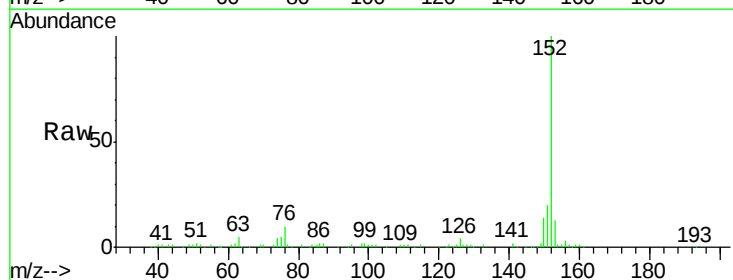
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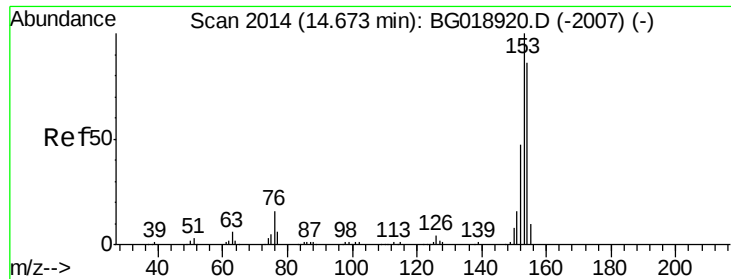
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#48
Acenaphthylene
Concen: 7.96 ng/ul
RT: 14.34 min Scan# 1958
Delta R.T. 0.00 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	134761		
151	20.4		15.4	23.2
153	12.9		10.8	16.2





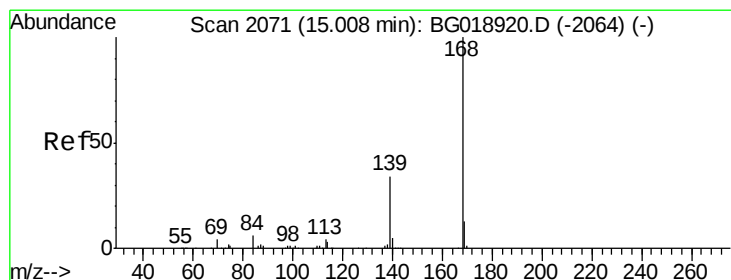
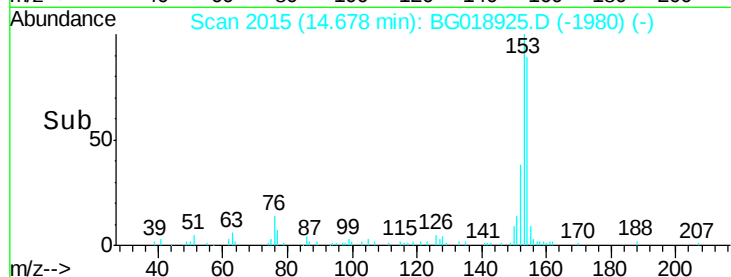
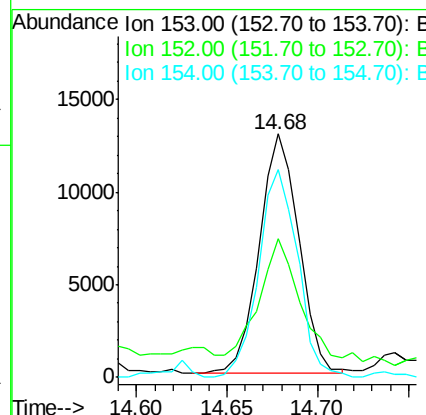
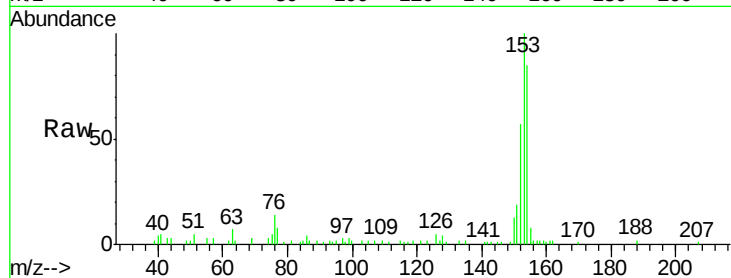
#50
Acenaphthene
Concen: 1.72 ng/ul
RT: 14.68 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

Instrument :
BNA_G
ClientSampleId :
D9G67

Tgt Ion	Ratio	Lower	Upper
153	100		
152	56.8	38.2	57.4
154	85.5	68.6	103.0

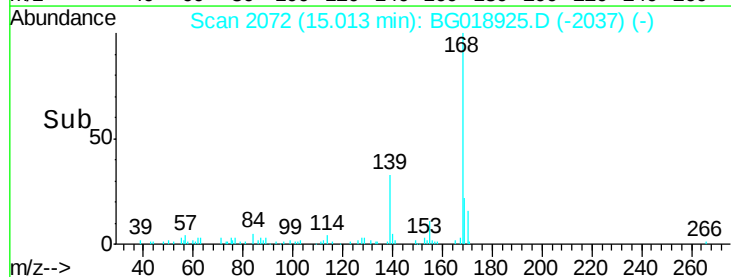
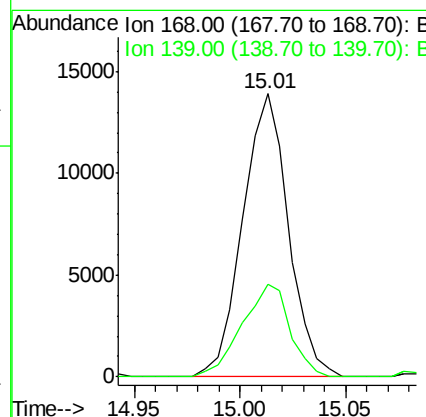
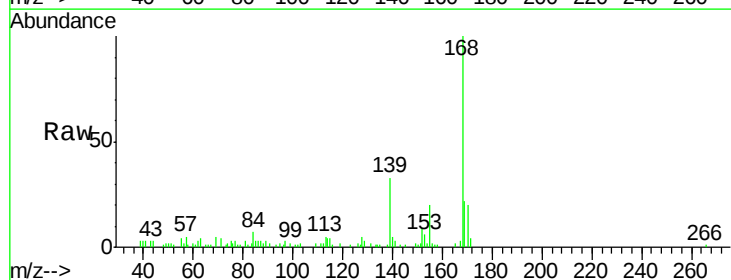
Manual Integrations
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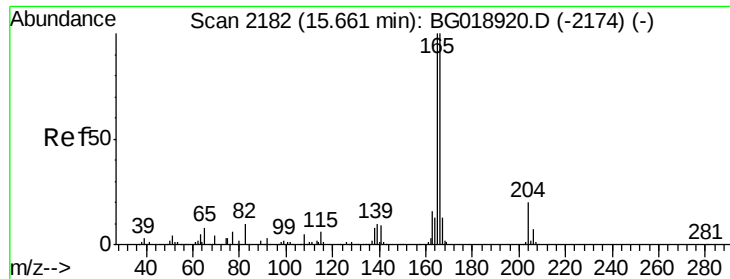
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#54
Dibenzofuran
Concen: 1.30 ng/ul
RT: 15.01 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

Tgt Ion	Ratio	Lower	Upper
168	100		
139	32.9	29.7	44.5





#59

Fluorene

Concen: 1.50 ng/ul

RT: 15.66 min Scan# 2182

Delta R.T. -0.00 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

Instrument :

BNA_G

ClientSampleId :

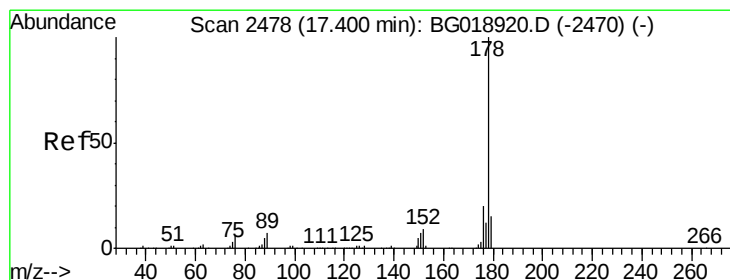
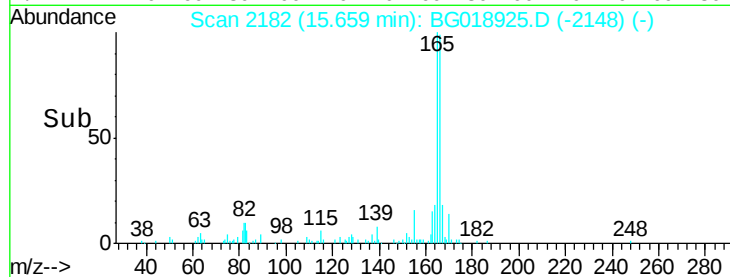
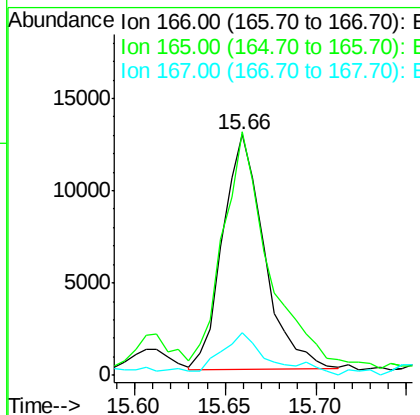
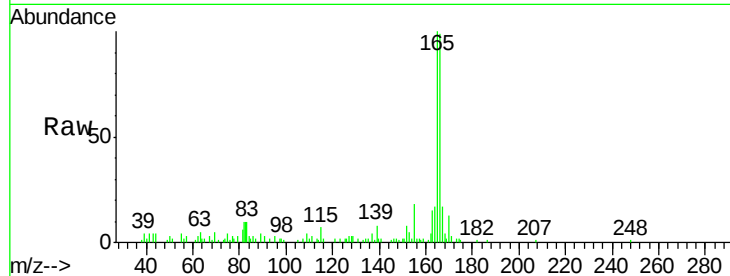
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Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	101.2	82.6	124.0	
167	17.6	11.4	17.0	



#70

Phenanthrene

Concen: 16.21 ng/ul

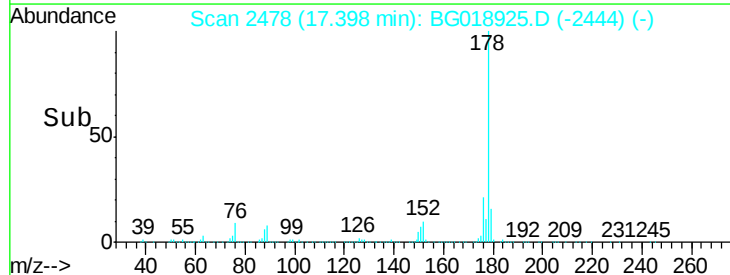
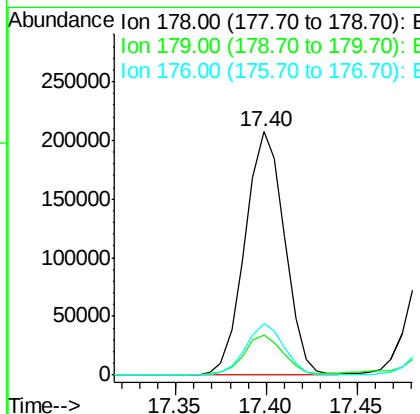
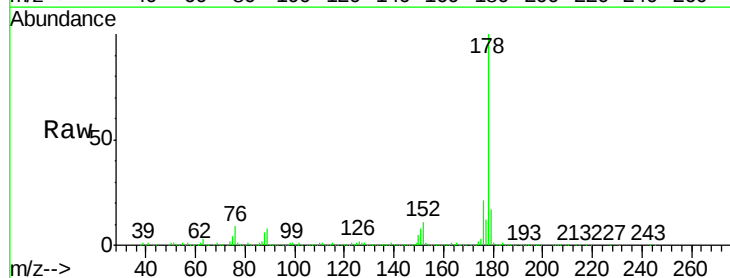
RT: 17.40 min Scan# 2478

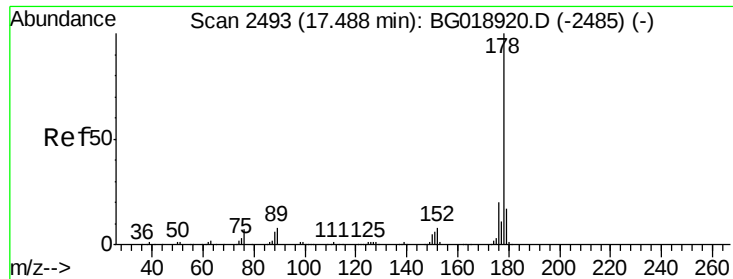
Delta R.T. -0.00 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
179	16.7	13.7	20.5	
176	21.1	16.6	24.8	





#72

Anthracene

Concen: 8.69 ng/ul

RT: 17.49 min Scan# 2494

Delta R.T. 0.00 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

Instrument :

BNA_G

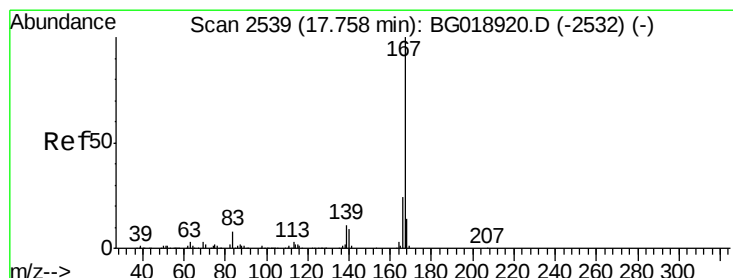
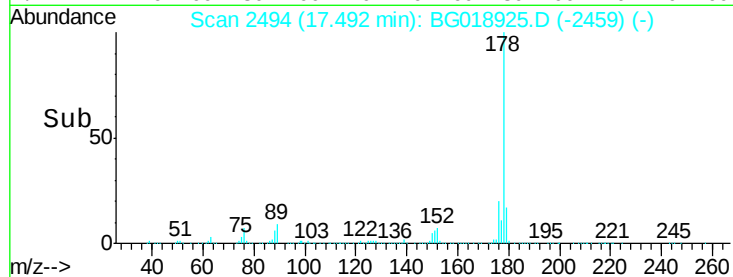
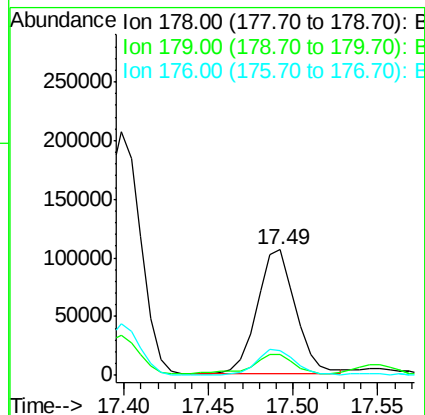
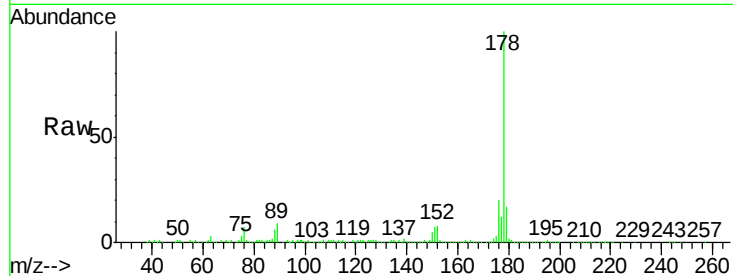
ClientSampleId :

D9G67

Tgt Ion:	178	Resp:	168591
Ion Ratio	Lower	Upper	
178	100		
179	17.1	13.0	19.4
176	20.1	16.0	24.0

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#75

Carbazole

Concen: 4.01 ng/ul

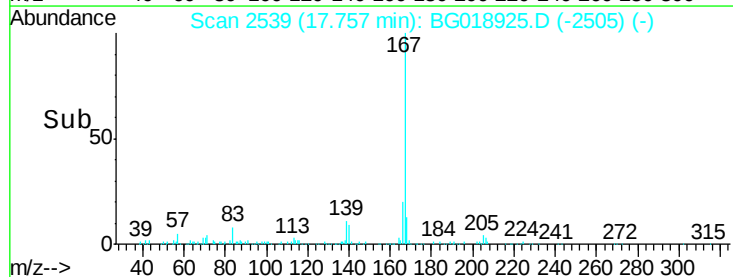
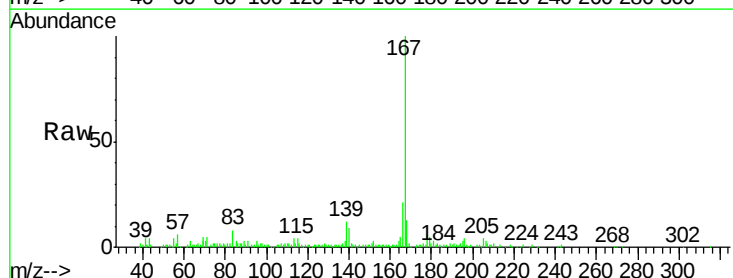
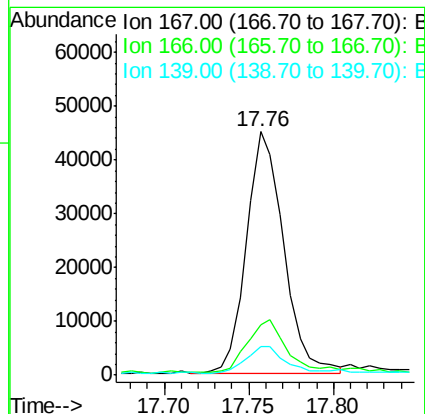
RT: 17.76 min Scan# 2539

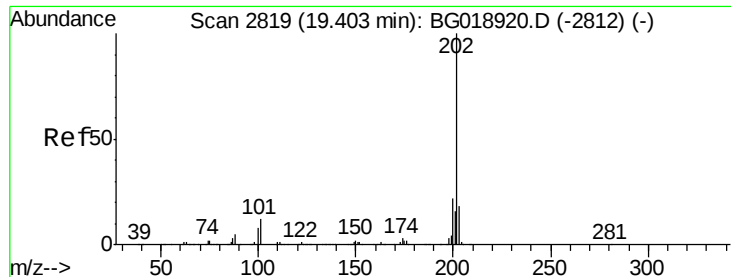
Delta R.T. -0.00 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

Tgt Ion:	167	Resp:	69100
Ion Ratio	Lower	Upper	
167	100		
166	20.8	18.9	28.3
139	11.7	10.1	15.1





#77

Fluoranthene

Concen: 58.76 ng/ul

RT: 19.41 min Scan# 2820

Delta R.T. 0.00 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

Instrument :

BNA_G

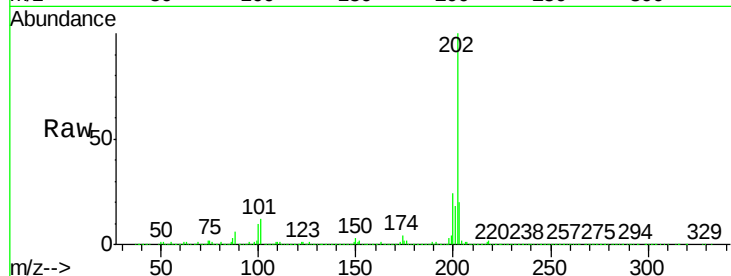
ClientSampleId :

D9G67

Tgt	Ion	202	Resp	1260082
Ion	Ratio	Lower	Upper	
202	100			
101	12.3	9.7	14.5	
100	10.1	7.8	11.8	

Manual Integrations
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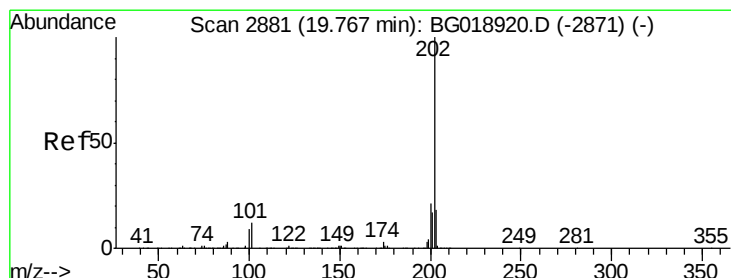
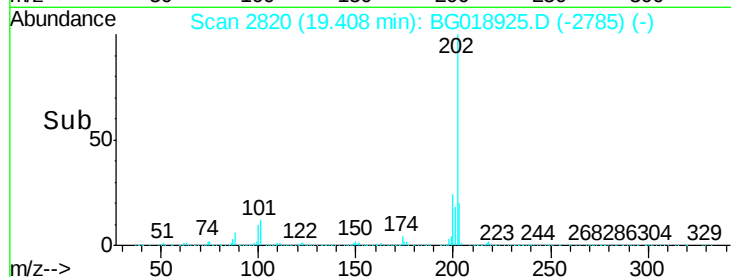
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

19.41

Time-->



#80

Pyrene

Concen: 58.98 ng/ul

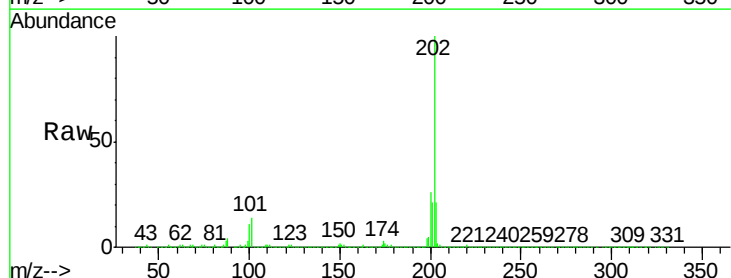
RT: 19.77 min Scan# 2882

Delta R.T. 0.00 min

Lab File: BG018925.D

Acq: 26 Sep 2015 22:52

Tgt	Ion	202	Resp	1288695
Ion	Ratio	Lower	Upper	
202	100			
101	13.9	11.0	16.4	
100	11.1	9.8	14.6	



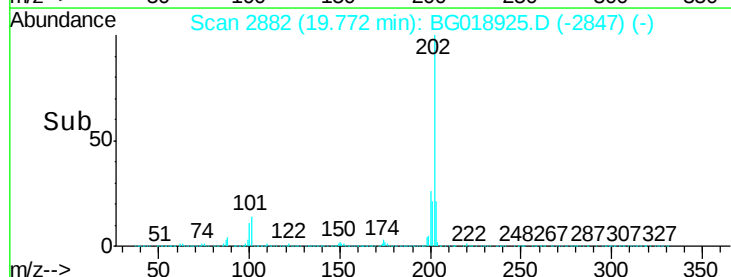
Abundance Ion 202.00 (201.70 to 202.70): E

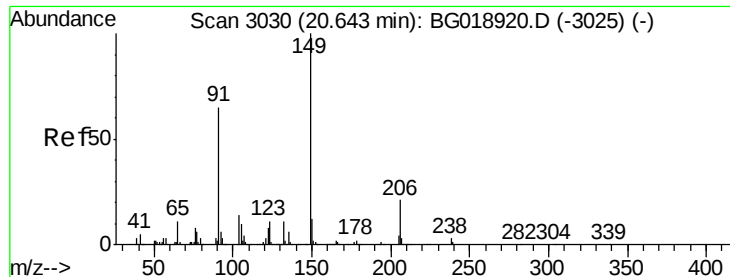
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

19.77

Time-->





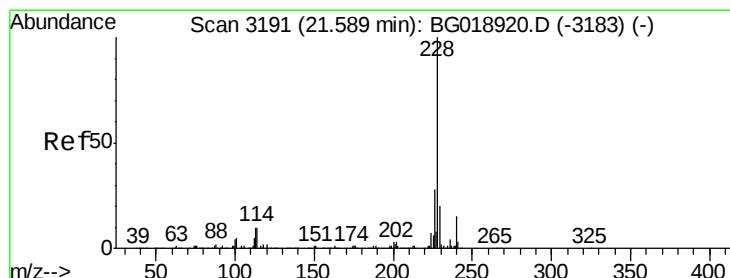
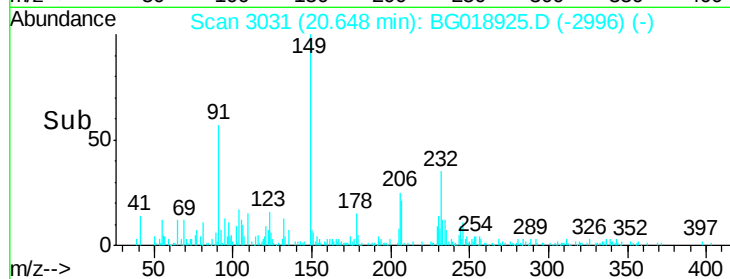
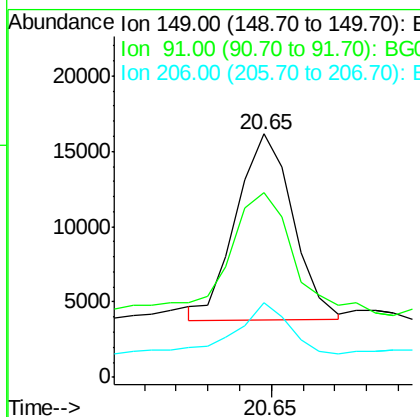
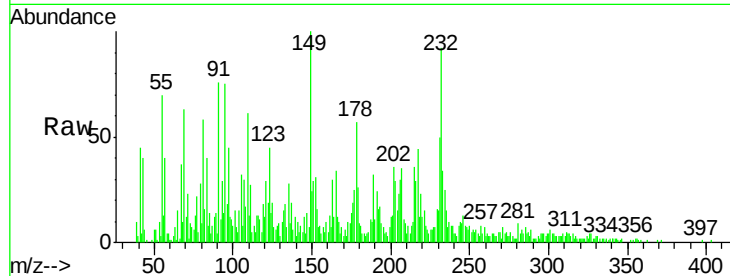
#81
Butylbenzylphthalate
Concen: 1.81 ng/ul
RT: 20.65 min Scan# 3031
Delta R.T. 0.00 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

Instrument :
BNA_G
ClientSampleId :
D9G67

Tgt Ion	Ratio	Lower	Upper
149	100		
91	75.8	57.9	86.9
206	30.5	17.9	26.9

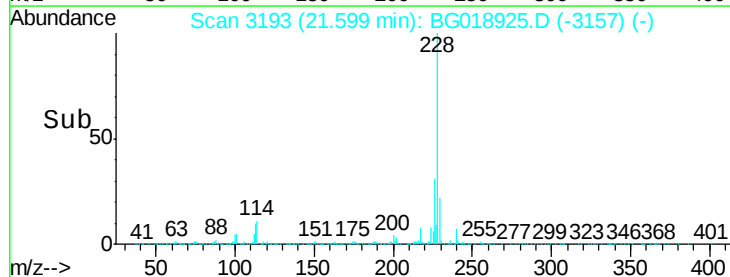
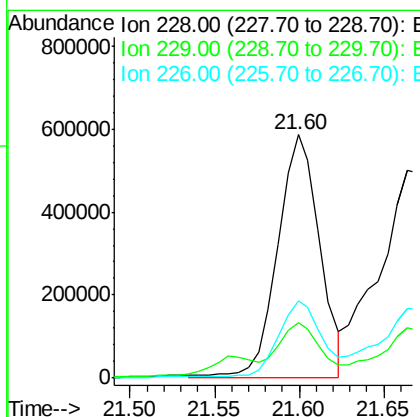
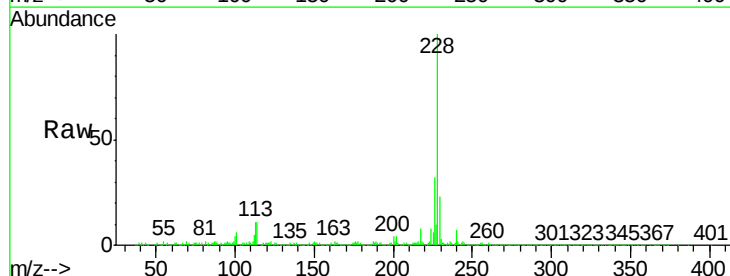
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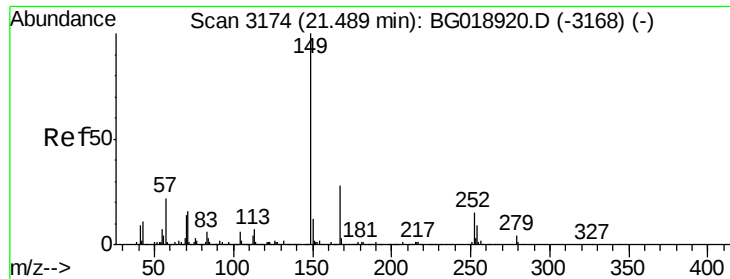
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#83
Benzo(a)anthracene
Concen: 48.82 ng/ul
RT: 21.60 min Scan# 3193
Delta R.T. 0.01 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.7	15.5	23.3
226	31.5	22.1	33.1





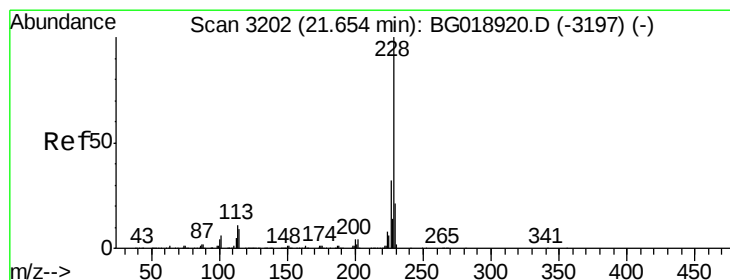
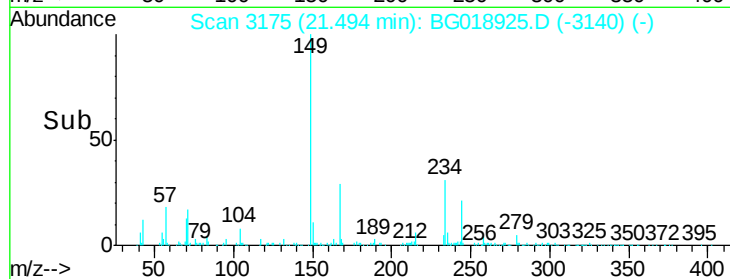
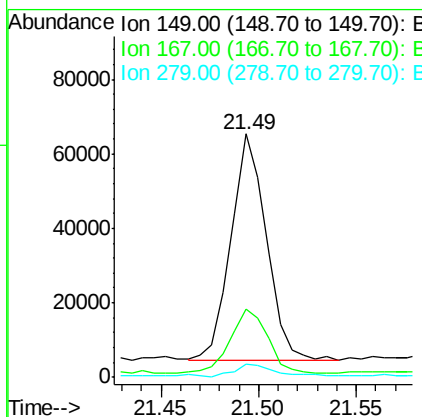
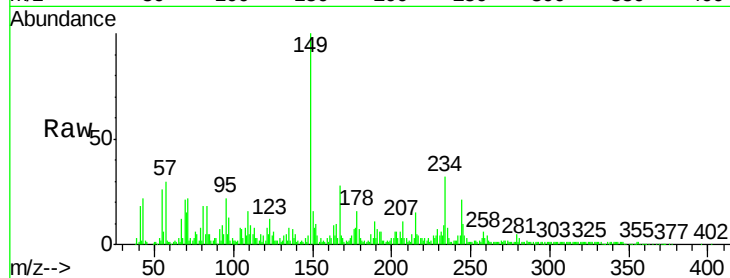
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 6.11 ng/ul
 RT: 21.49 min Scan# 3175
 Delta R.T. 0.00 min
 Lab File: BG018925.D
 Acq: 26 Sep 2015 22:52

Instrument :
 BNA_G
 ClientSampleId :
 D9G67

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	75881		
167	28.2	22.2	33.2	
279	5.2	2.8	4.2	

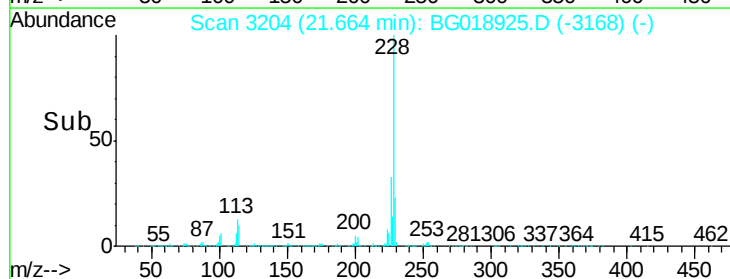
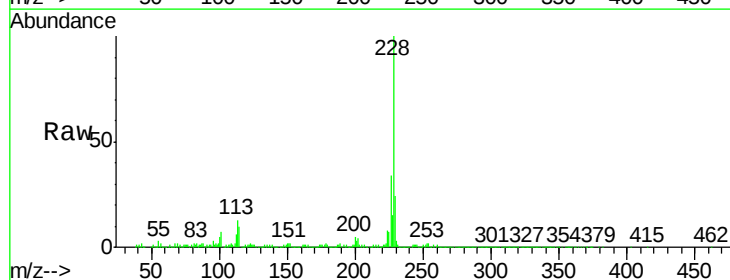
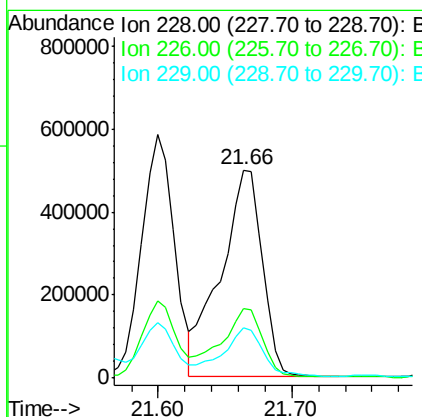
Manual Integrations
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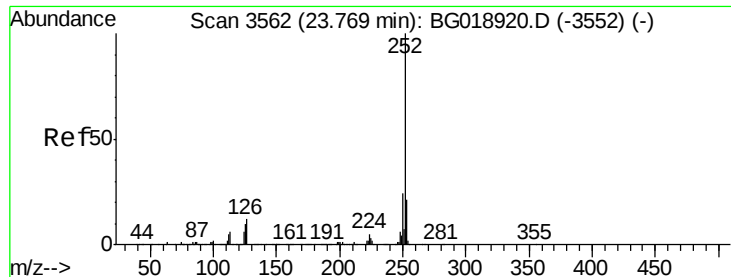
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#85
 Chrysene
 Concen: 56.80 ng/ul
 RT: 21.66 min Scan# 3204
 Delta R.T. 0.01 min
 Lab File: BG018925.D
 Acq: 26 Sep 2015 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1079479		
226	33.5	26.5	39.7	
229	24.0	16.9	25.3	





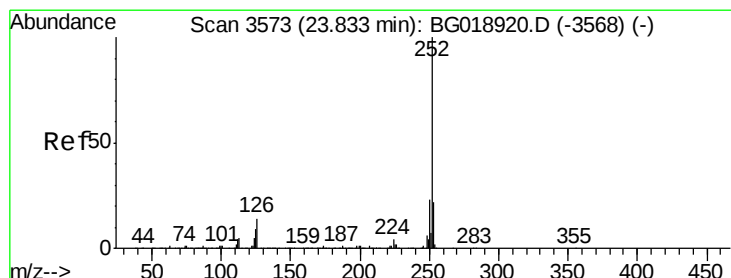
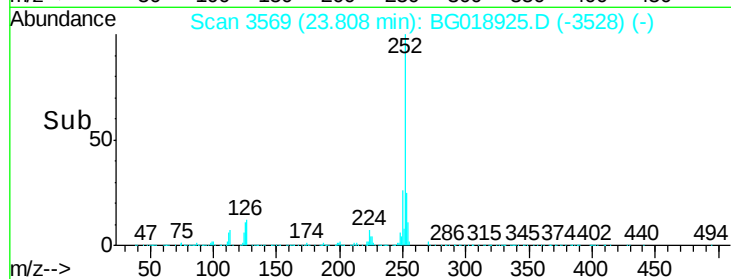
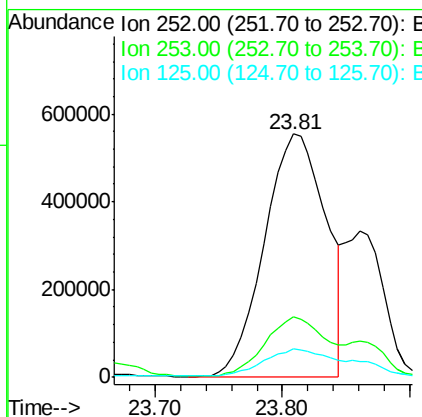
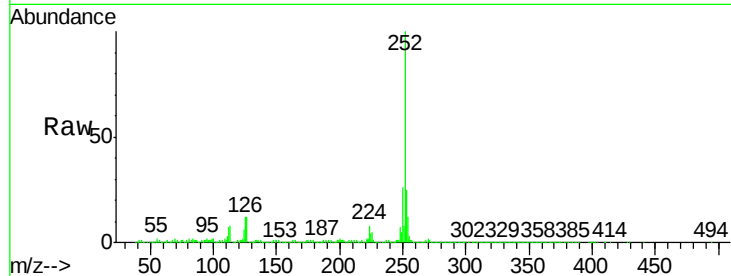
#88
Benzo(b)fluoranthene
Concen: 82.94 ng/ul
RT: 23.81 min Scan# 3569
Delta R.T. 0.04 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

Instrument :
BNA_G
ClientSampleId :
D9G67

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.1	27.1
125	11.8	8.3	12.5

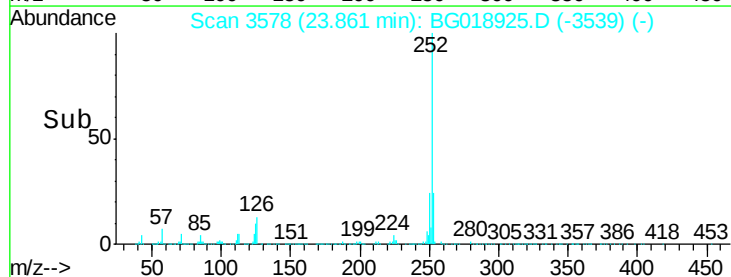
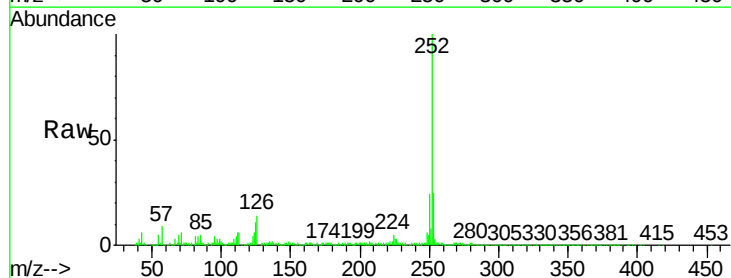
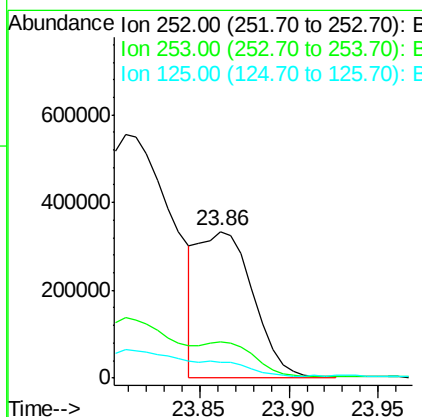
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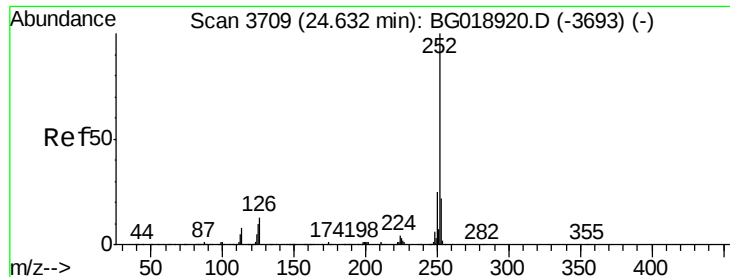
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#89
Benzo(k)fluoranthene
Concen: 33.12 ng/ul m
RT: 23.86 min Scan# 3578
Delta R.T. 0.03 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.6
125	11.2	9.0	13.4





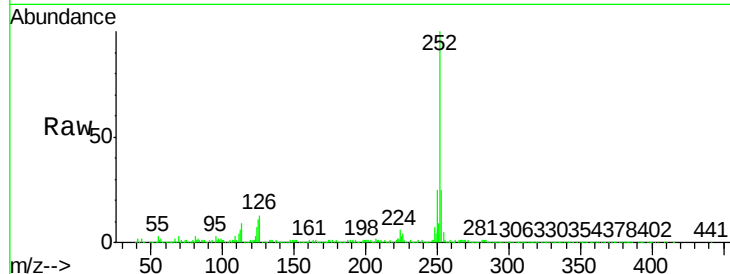
#91
Benzo(a)pyrene
Concen: 52.11 ng/ul
RT: 24.67 min Scan# 3715
Delta R.T. 0.03 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

Instrument :
BNA_G
ClientSampleId :
D9G67

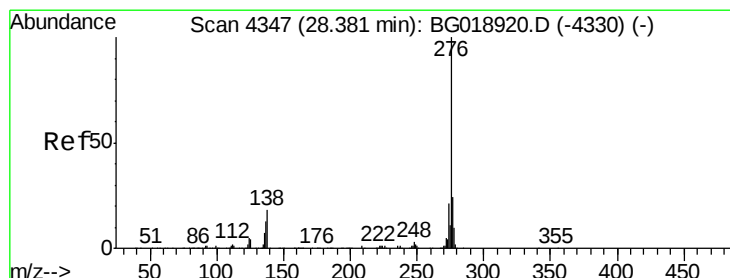
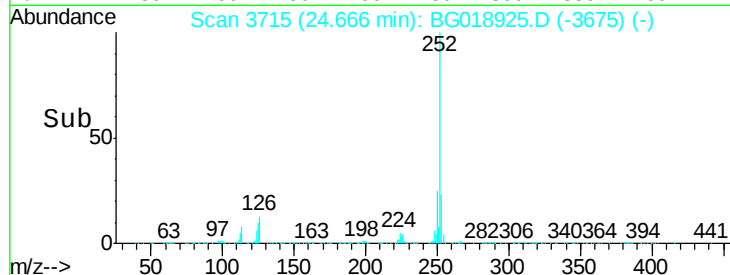
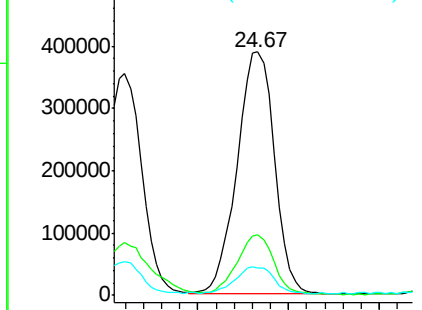
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.7	26.5
125	11.2	10.2	15.2

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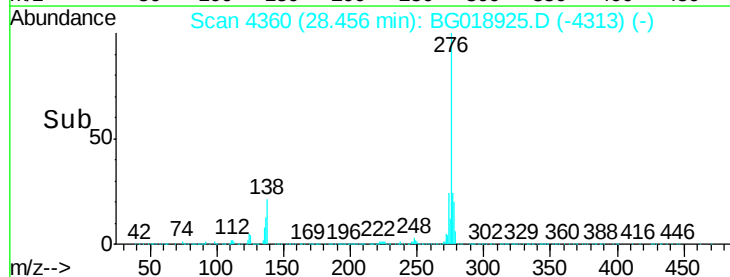
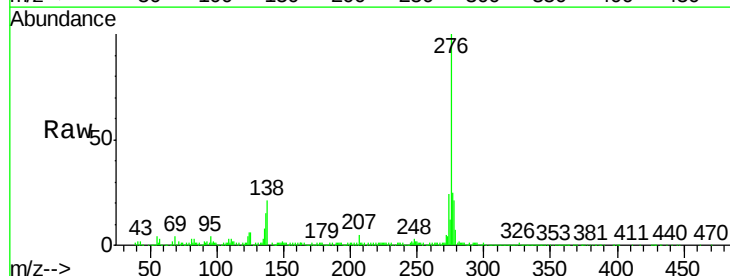
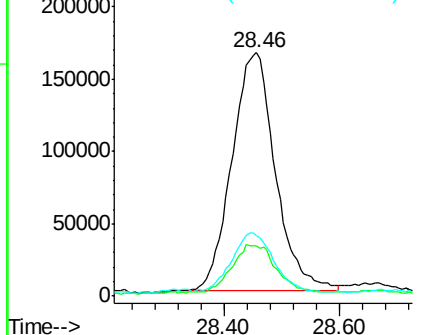
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

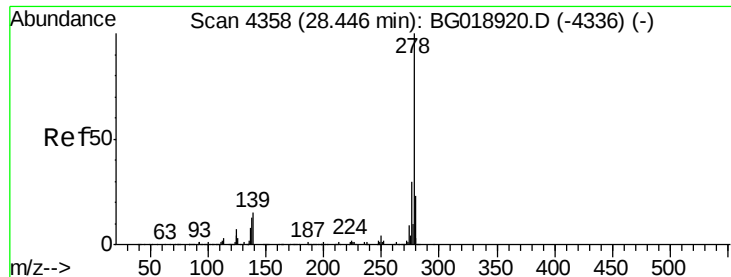


#92
Indeno(1,2,3-cd)pyrene
Concen: 34.88 ng/ul
RT: 28.46 min Scan# 4360
Delta R.T. 0.08 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	15.8	23.6
277	24.9	18.9	28.3

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





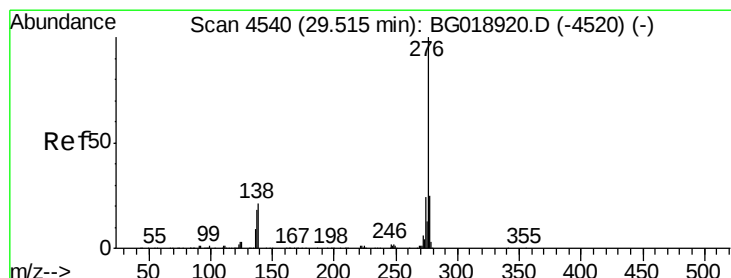
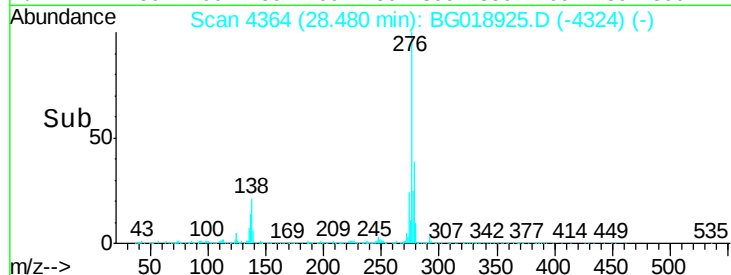
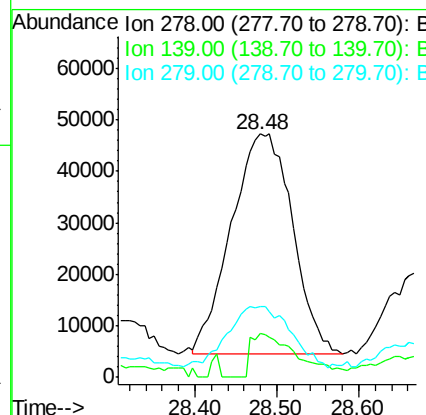
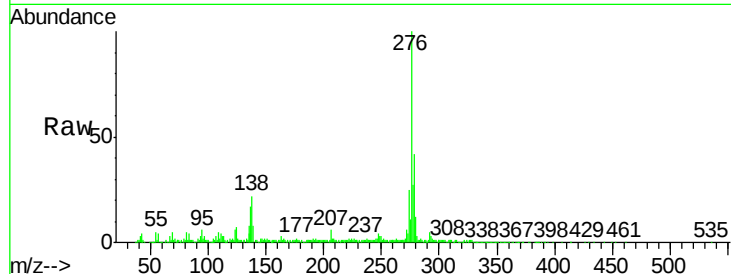
#93
Dibenzo(a,h)anthracene
Concen: 11.22 ng/ul
RT: 28.48 min Scan# 4364
Delta R.T. 0.03 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

Instrument :
BNA_G
ClientSampleId :
D9G67

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.0	13.8	20.6
279	29.2	17.8	26.8

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 38.48 ng/ul
RT: 29.60 min Scan# 4554
Delta R.T. 0.08 min
Lab File: BG018925.D
Acq: 26 Sep 2015 22:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	16.5	24.7
277	23.8	19.0	28.6

