

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
 Data File : BM010574.D
 Acq On : 13 Jun 2017 23:33
 Operator : SJ/MA
 Sample : I3521-11 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 F5C59

Manual Integrations
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 6/14/2017 2:57:49 PM

Quant Time: Jun 14 09:10:12 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 14 01:46:30 2017
 Response via : Initial Calibration

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	116716	20.00	ng/ul	0.00
18) Naphthalene-d8	10.68	136	397406	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	289466	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	778638m	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1178008	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1127766	20.00	ng/ul	0.00

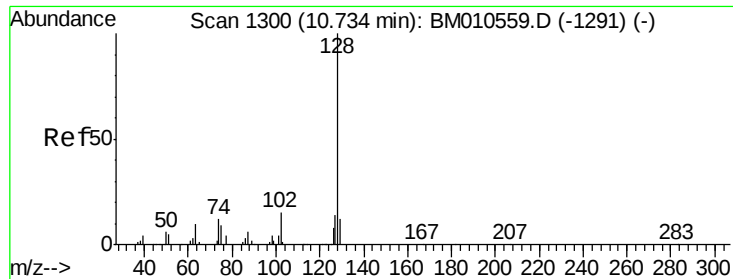
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	1755	0.62	ng/uL	0.00
5) Phenol-d5	7.07	99	20145	2.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.22	67	12370	2.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	19401	2.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.60	113	19176	2.69	ng/ul	0.00
19) Nitrobenzene-d5	9.06	128	9179	3.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.77	143	10742	3.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	24254	3.50	ng/ul	0.00
29) 4-Chloroaniline-d4	10.85	131	22983	3.44	ng/ul	0.00
43) Dimethylphthalate-d6	13.93	166	85284	3.55	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	89237	3.18	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	9063	2.52	ng/ul	0.00
57) Fluorene-d10	15.51	176	77167	3.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.64	200	14138	2.56	ng/ul	0.00
70) Anthracene-d10	17.37	188	136670	3.61	ng/ul	0.00
76) Pyrene-d10	19.66	212	185619	3.81	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.61	264	186449	3.55	ng/ul	0.00

Target Compounds

					Qvalue
28) Naphthalene	10.73	128	63288	3.175 ng/ul	97
40) 1,1'-Biphenyl	13.34	154	108163	4.606 ng/ul	97
44) Dimethylphthalate	13.98	163	85515	3.615 ng/ul	100
47) Acenaphthylene	14.24	152	40151	1.464 ng/ul	93
49) Acenaphthene	14.58	153	491610	25.566 ng/ul	99
53) Dibenzofuran	14.92	168	704805	24.788 ng/ul	96
58) Fluorene	15.57	166	964454	41.352 ng/ul	97
69) Phenanthrene	17.32	178	6576930m	158.222 ng/ul	
71) Anthracene	17.40	178	2478700	57.119 ng/ul	99
74) Fluoranthene	19.33	202	10451768	204.469 ng/ul#	97
77) Pyrene	19.69	202	6315574	104.040 ng/ul#	94
80) Benzo(a)anthracene	21.42	228	2181012	32.832 ng/ul	99
82) Chrysene	21.47	228	2179381	36.293 ng/ul	98
85) Benzo(b)fluoranthene	23.06	252	1010934	15.405 ng/ul	98
86) Benzo(k)fluoranthene	23.10	252	392214m	6.256 ng/ul	
88) Benzo(a)pyrene	23.66	252	608572m	9.356 ng/ul	
89) Indeno(1,2,3-cd)pyrene	26.13	276	221883	2.700 ng/ul#	95
91) Benzo(g,h,i)perylene	26.87	276	149748	2.212 ng/ul#	94

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



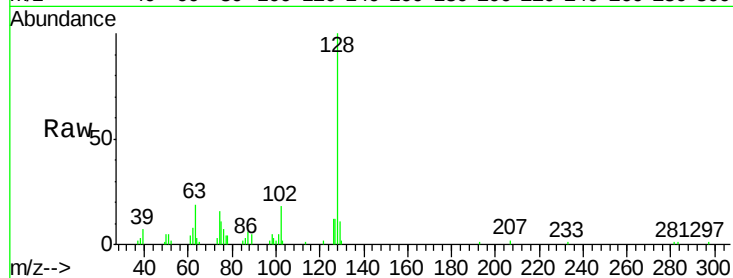
#28
Naphthalene
Concen: 3.175 ng/ul
RT: 10.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BM010574.D
Acq: 13 Jun 2017 23:33

Instrument :
BNA_M
ClientSampleId :
F5C59

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	63288		
129	11.4	8.8	13.2	
127	11.7	10.6	16.0	

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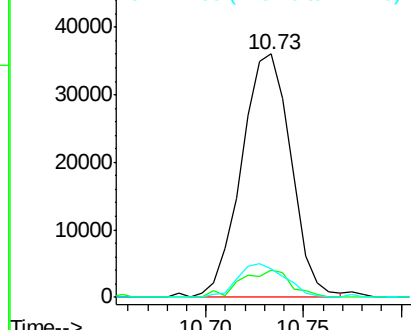


Abundance

Ion 128.00 (127.70 to 128.70): E

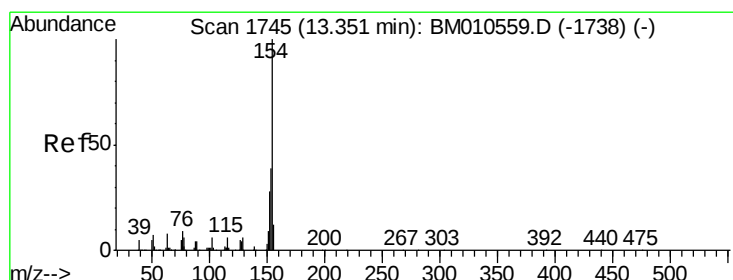
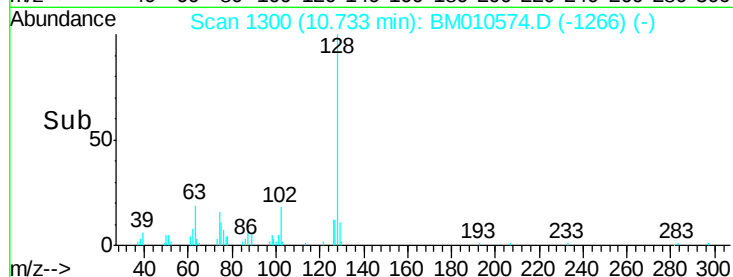
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



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#40
1,1'-Biphenyl
Concen: 4.606 ng/ul
RT: 13.34 min Scan# 1744
Delta R.T. -0.01 min
Lab File: BM010574.D
Acq: 13 Jun 2017 23:33

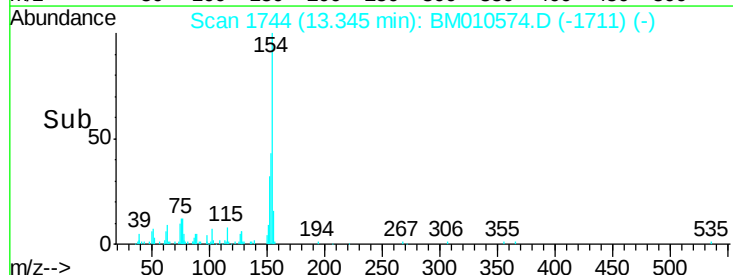
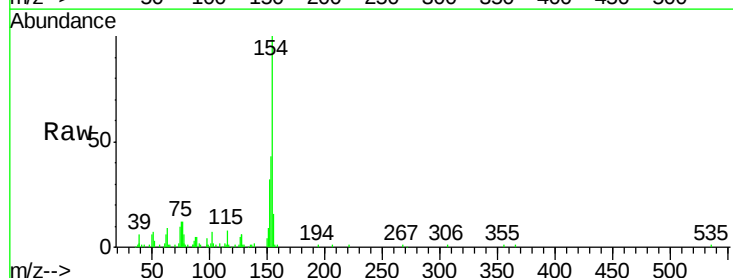
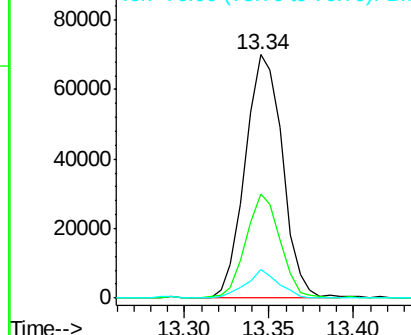
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	108163		
153	42.6	32.6	48.8	
76	11.9	8.5	12.7	

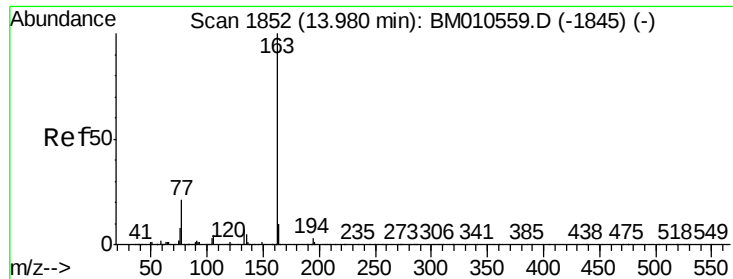
Abundance

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): BM0





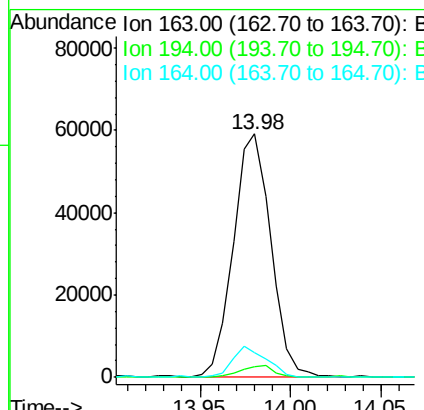
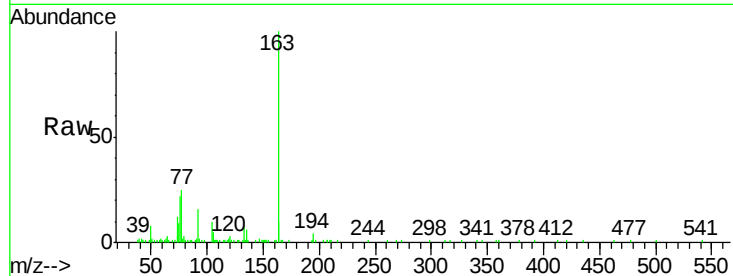
#44
Dimethylphthalate
Concen: 3.615 ng/ul
RT: 13.98 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BM010574.D
Acq: 13 Jun 2017 23:33

Instrument :
BNA_M
ClientSampleId :
F5C59

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	85515		
194	4.3	3.5	5.3	
164	10.2	8.2	12.4	

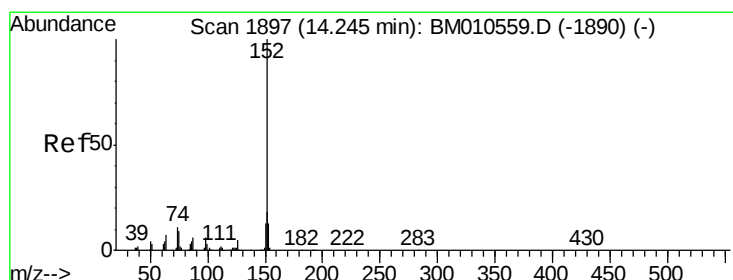
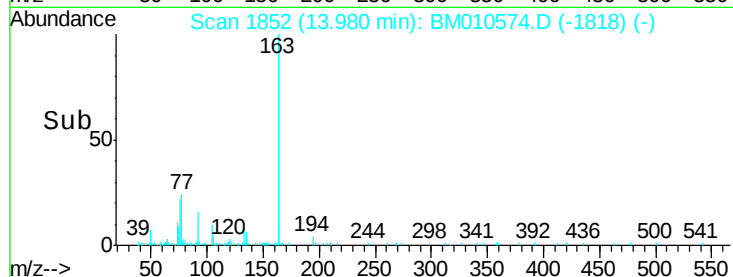
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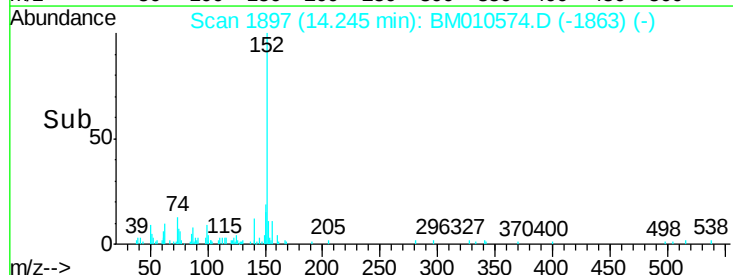
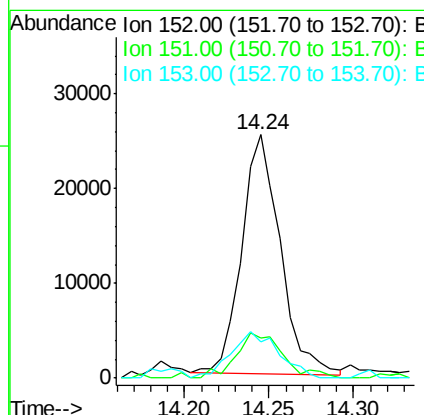
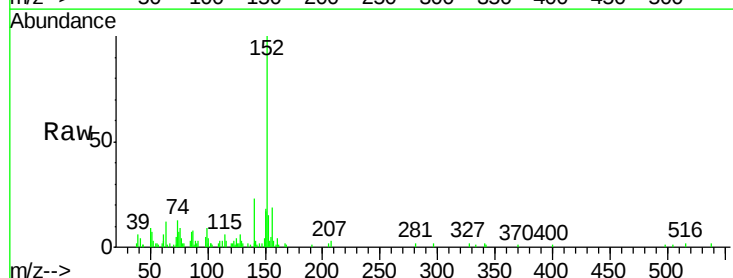
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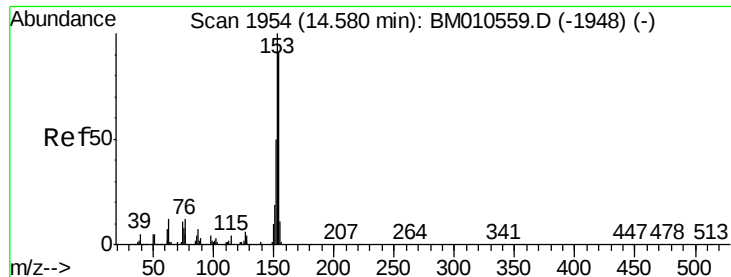
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#47
Acenaphthylene
Concen: 1.464 ng/ul
RT: 14.24 min Scan# 1897
Delta R.T. -0.00 min
Lab File: BM010574.D
Acq: 13 Jun 2017 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	40151		
151	16.7	16.3	24.5	
153	14.8	10.2	15.4	





#49

Acenaphthene

Concen: 25.566 ng/ul

RT: 14.58 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BM010574.D

Acq: 13 Jun 2017 23:33

Instrument :

BNA_M

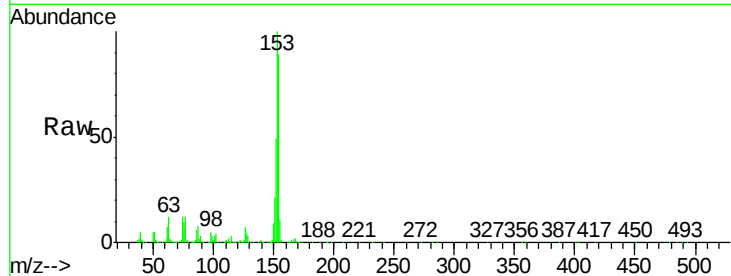
ClientSampleId :

F5C59

Tgt Ion:	153	Resp:	491610
Ion Ratio		Lower	Upper
153	100		
152	48.8	37.6	56.4
154	88.7	70.4	105.6

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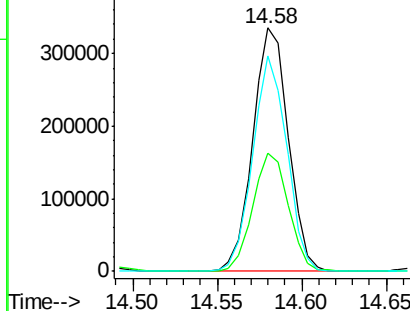
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Abundance Ion 153.00 (152.70 to 153.70): E

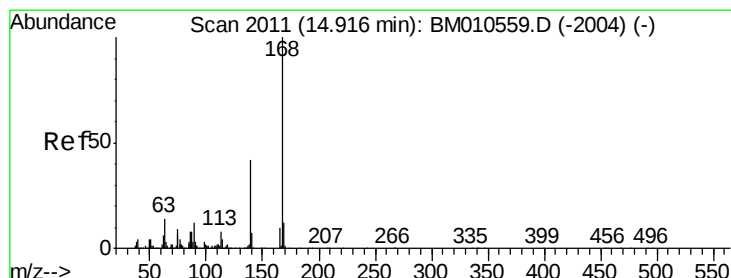
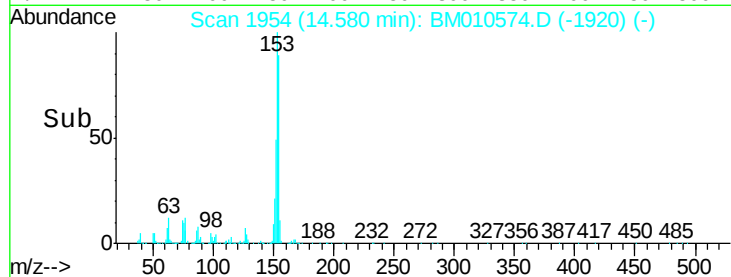
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



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#53

Dibenzofuran

Concen: 24.788 ng/ul

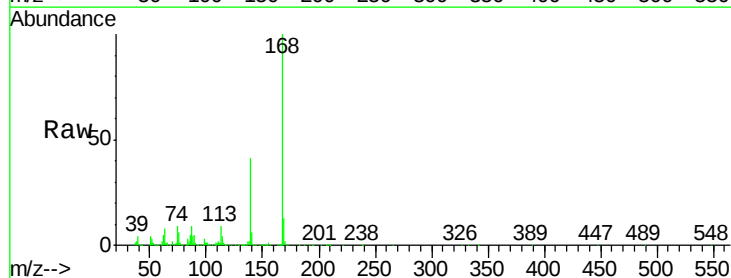
RT: 14.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BM010574.D

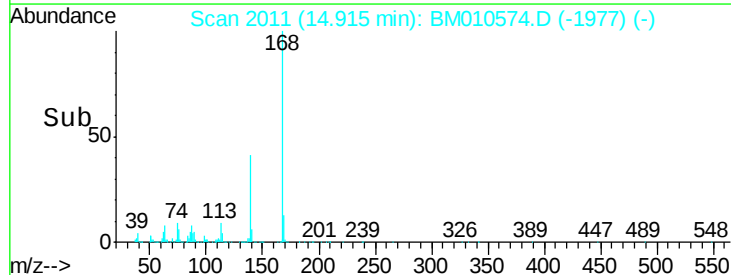
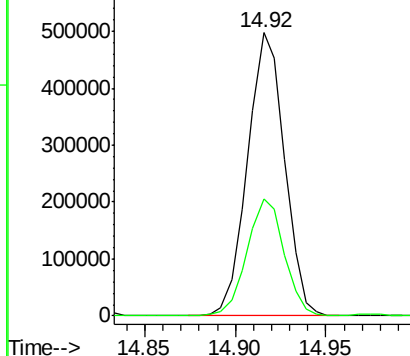
Acq: 13 Jun 2017 23:33

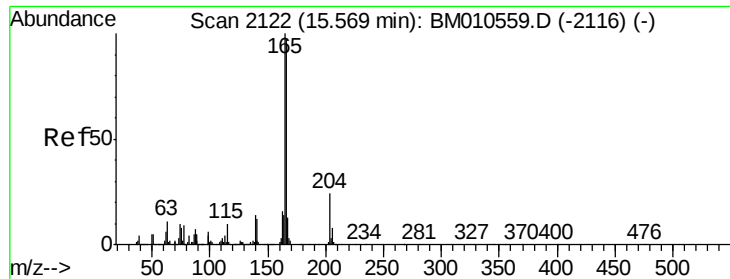
Tgt Ion:	168	Resp:	704805
Ion Ratio		Lower	Upper
168	100		
139	41.2	30.8	46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





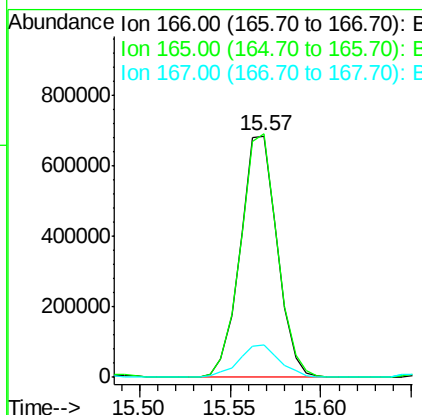
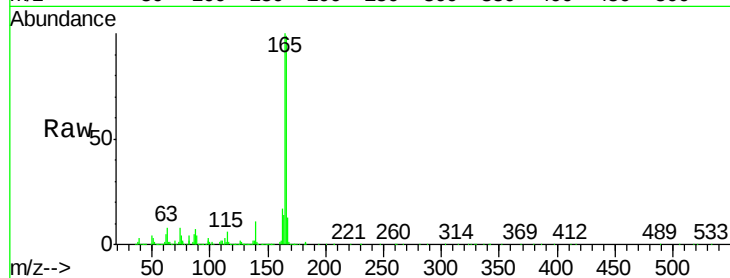
#58
Fluorene
Concen: 41.352 ng/ul
RT: 15.57 min Scan# 2122
Delta R.T. -0.00 min
Lab File: BM010574.D
Acq: 13 Jun 2017 23:33

Instrument :
BNA_M
ClientSampleId :
F5C59

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.9	77.9	116.9
167	13.3	10.6	16.0

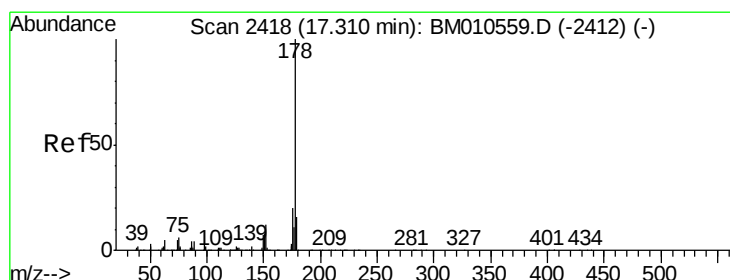
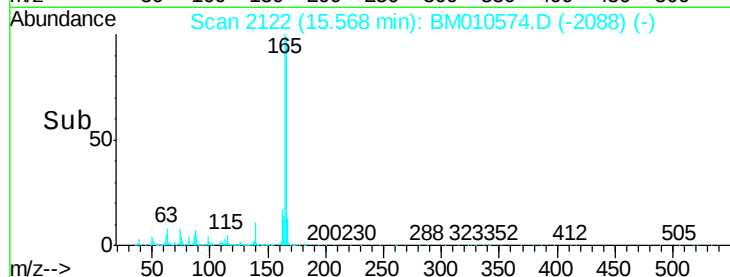
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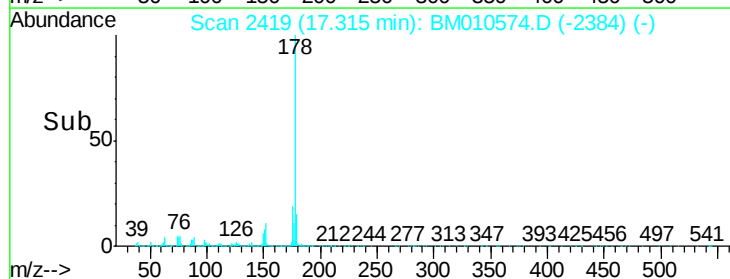
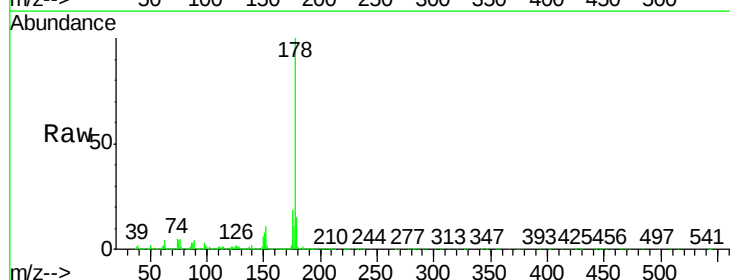
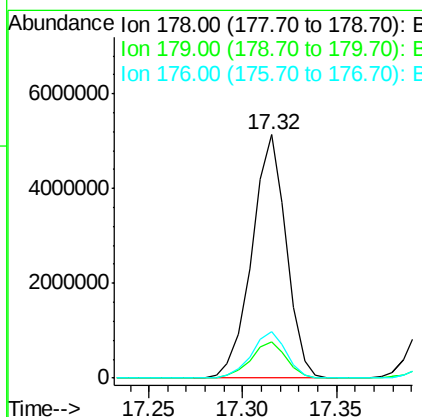
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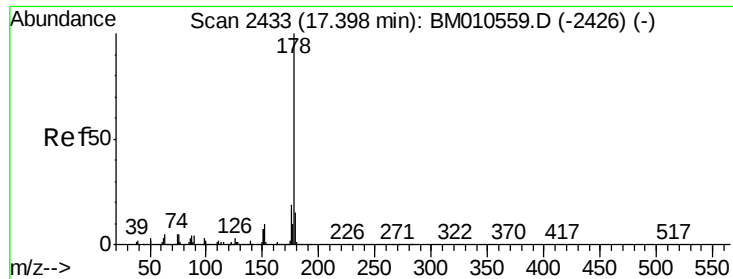
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#69
Phenanthrene
Concen: 158.222 ng/ul m
RT: 17.32 min Scan# 2419
Delta R.T. 0.01 min
Lab File: BM010574.D
Acq: 13 Jun 2017 23:33

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.6	19.0
176	19.3	14.9	22.3





#71

Anthracene

Concen: 57.119 ng/ul

RT: 17.40 min Scan# 2434

Delta R.T. 0.01 min

Lab File: BM010574.D

Acq: 13 Jun 2017 23:33

Instrument :

BNA_M

ClientSampleId :

F5C59

Tgt Ion:178 Resp: 2478700

Ion Ratio Lower Upper

178 100

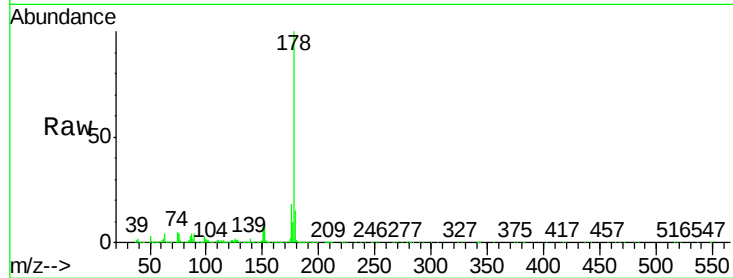
179 14.9 11.7 17.5

176 18.4 14.6 21.8

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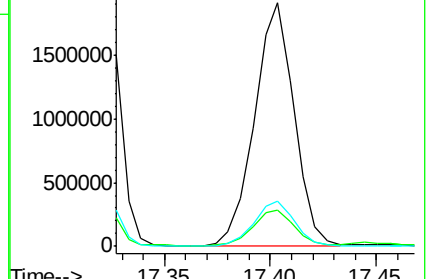
6/14/2017 2:57:49 PM



Abundance Ion 178.00 (177.70 to 178.70): E

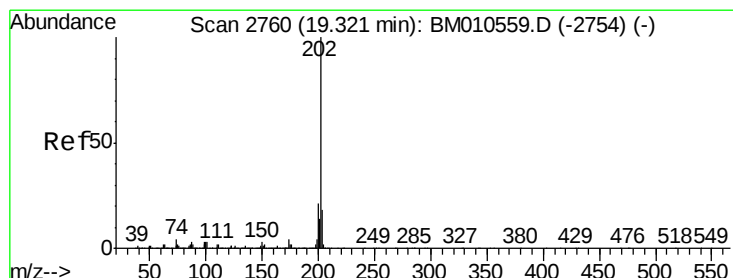
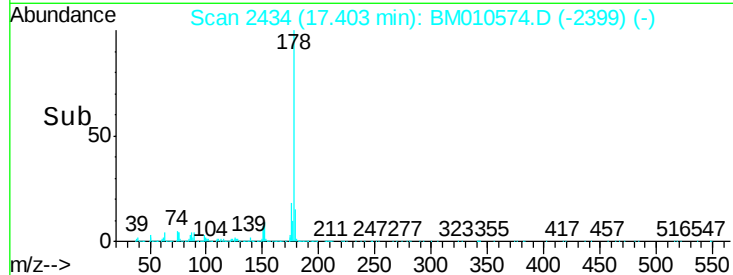
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



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#74

Fluoranthene

Concen: 204.469 ng/ul

RT: 19.33 min Scan# 2761

Delta R.T. 0.01 min

Lab File: BM010574.D

Acq: 13 Jun 2017 23:33

Tgt Ion:202 Resp:10451768

Ion Ratio Lower Upper

202 100

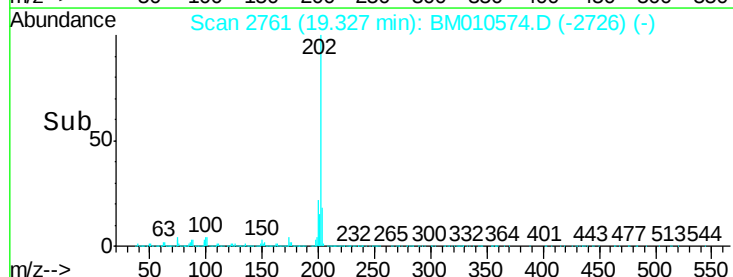
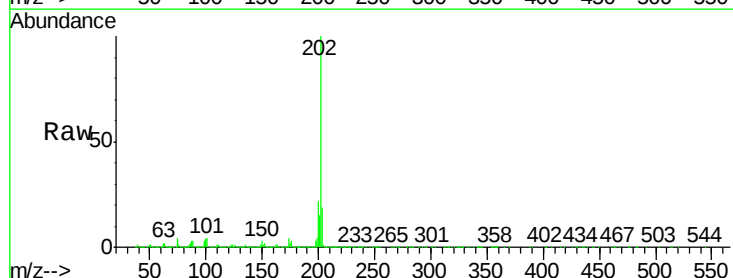
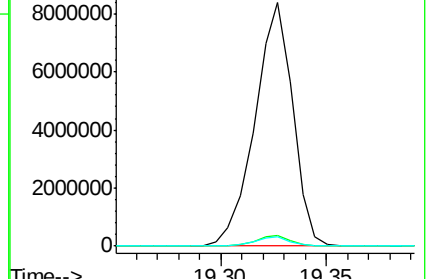
101 4.4 4.6 7.0#

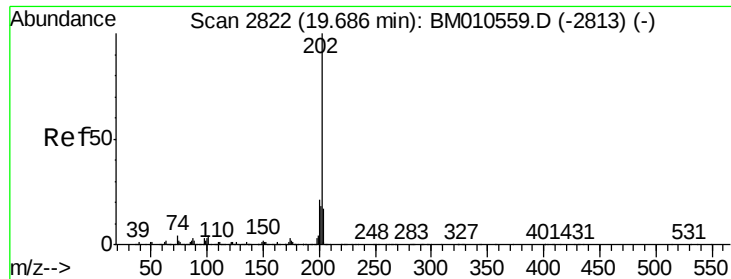
100 3.7 3.4 5.2

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





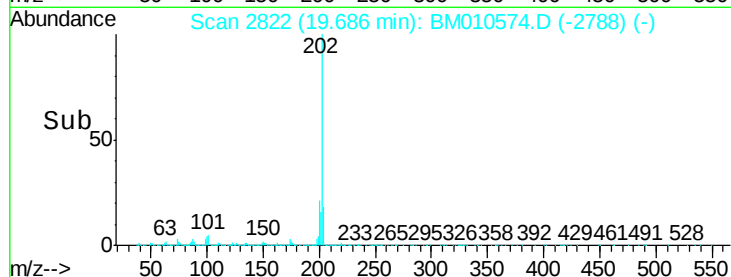
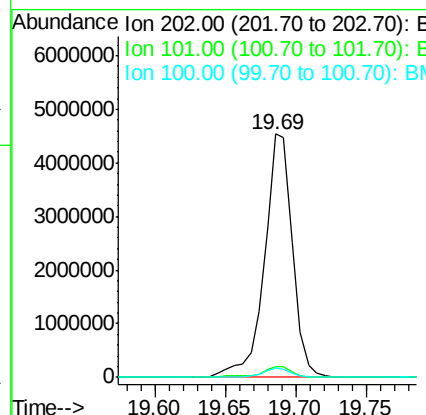
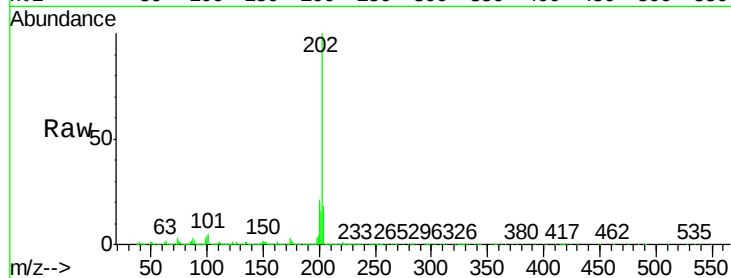
#77
 Pyrene
 Concen: 104.040 ng/ul
 RT: 19.69 min Scan# 2822
 Delta R.T. -0.00 min
 Lab File: BM010574.D
 Acq: 13 Jun 2017 23:33

Instrument :
 BNA_M
 ClientSampleId :
 F5C59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	4.5	5.1	7.7#
100	3.9	4.9	7.3#

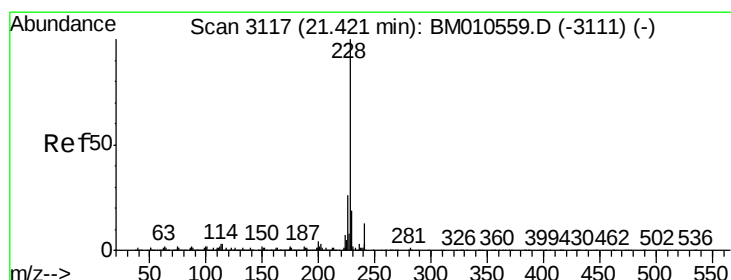
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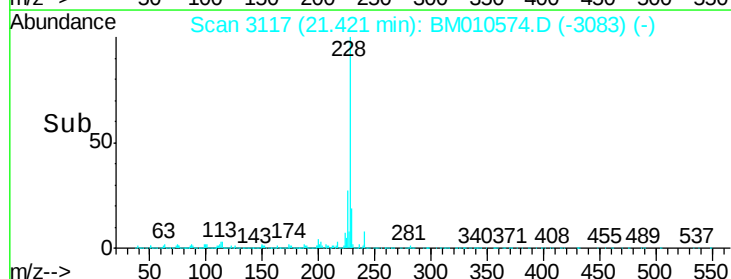
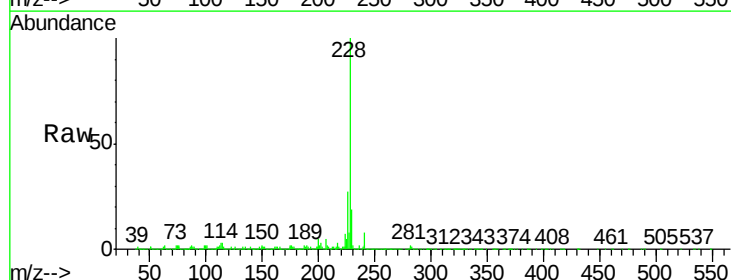
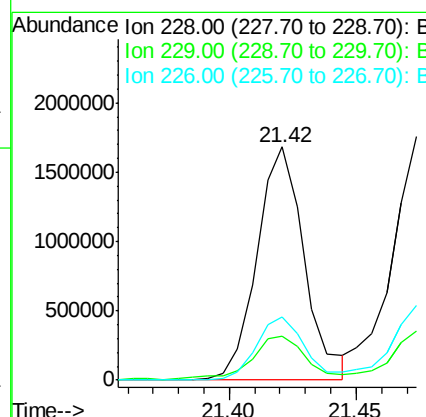
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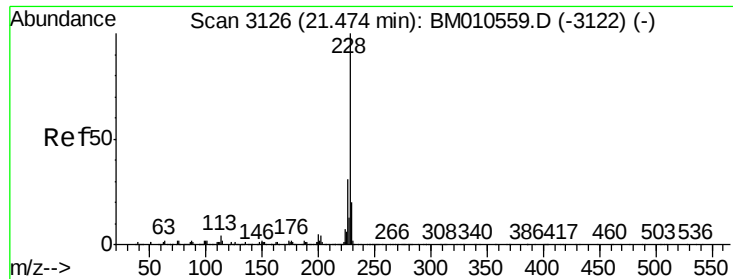
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#80
 Benzo(a)anthracene
 Concen: 32.832 ng/ul
 RT: 21.42 min Scan# 3117
 Delta R.T. -0.00 min
 Lab File: BM010574.D
 Acq: 13 Jun 2017 23:33

Tgt Ion	Ratio	Lower	Upper
228	100		
229	18.9	15.4	23.0
226	27.3	21.4	32.0





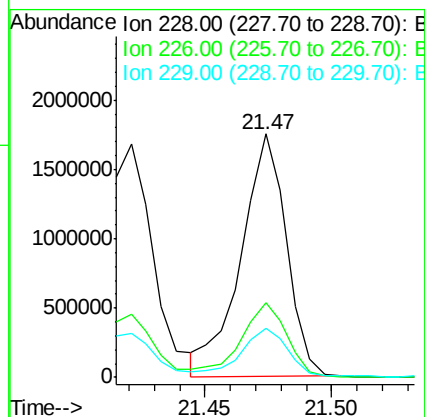
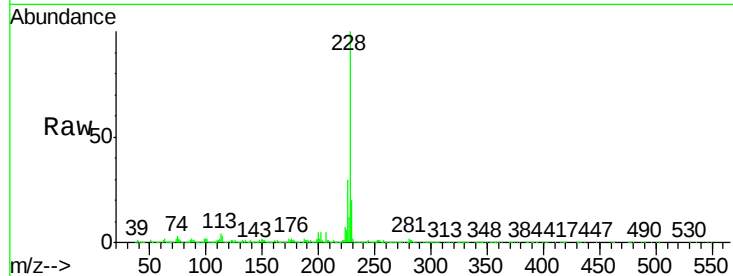
#82
Chrysene
Concen: 36.293 ng/u1
RT: 21.47 min Scan# 3126
Delta R.T. -0.00 min
Lab File: BM010574.D
Acq: 13 Jun 2017 23:33

Instrument :
BNA_M
ClientSampleId :
F5C59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.4	35.2
229	20.1	15.5	23.3

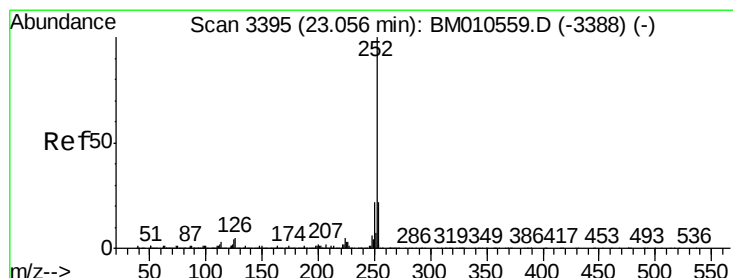
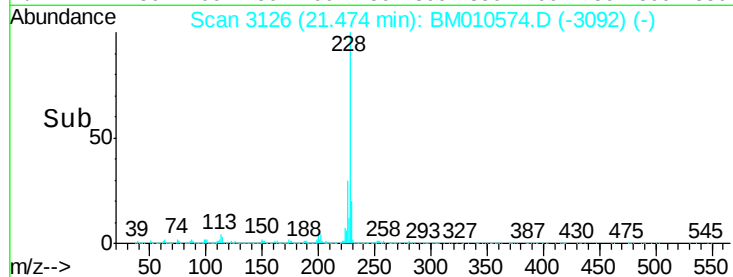
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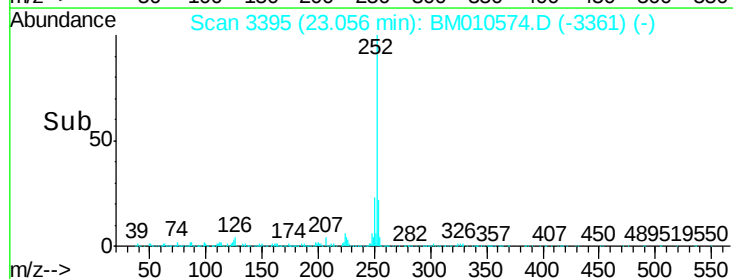
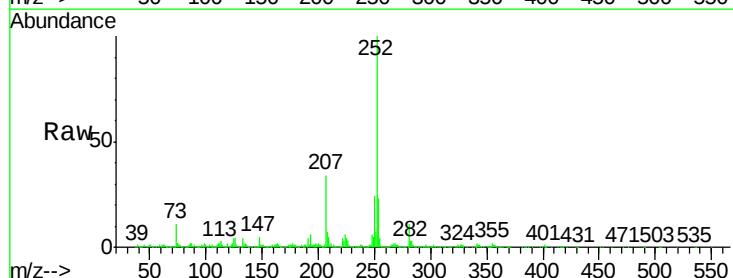
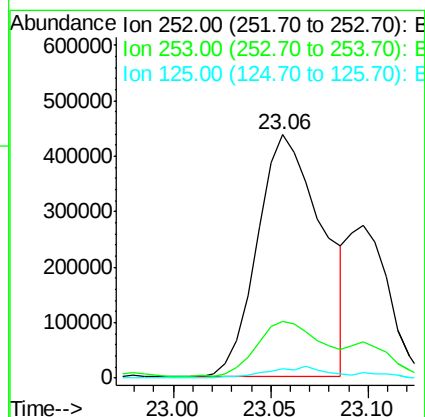
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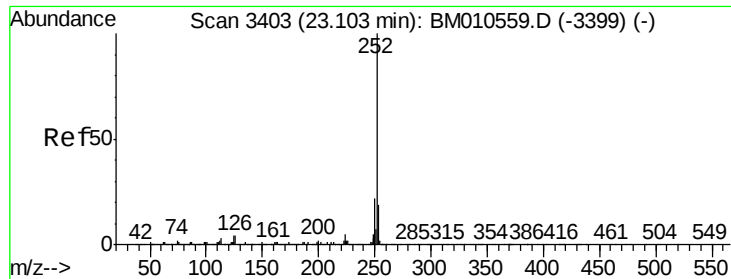
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#85
Benzo(b)fluoranthene
Concen: 15.405 ng/u1
RT: 23.06 min Scan# 3395
Delta R.T. -0.00 min
Lab File: BM010574.D
Acq: 13 Jun 2017 23:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	3.7	3.6	5.4





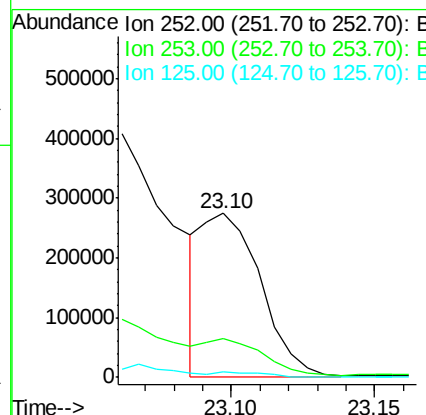
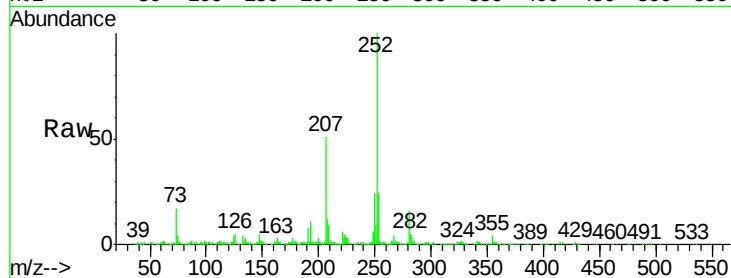
#86
Benzo(k)fluoranthene
Concen: 6.256 ng/ul m
RT: 23.10 min Scan# 3402
Delta R.T. -0.01 min
Lab File: BM010574.D
Acq: 13 Jun 2017 23:33

Instrument :
BNA_M
ClientSampleId :
F5C59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	3.8	3.4	5.2

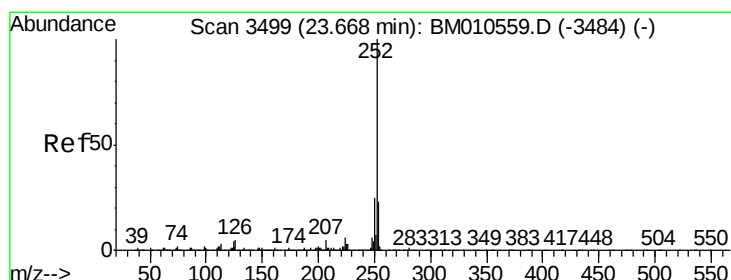
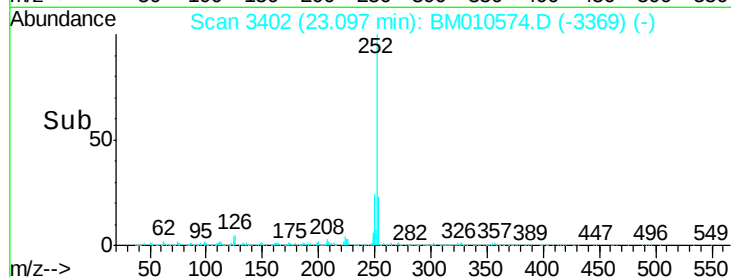
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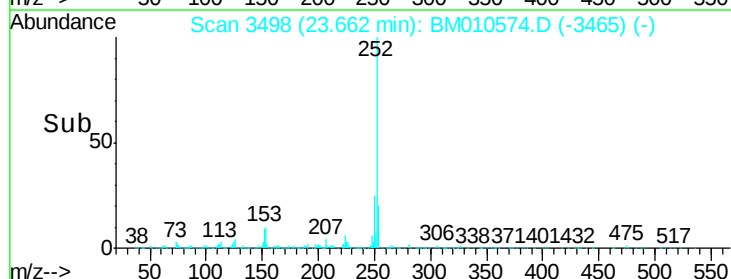
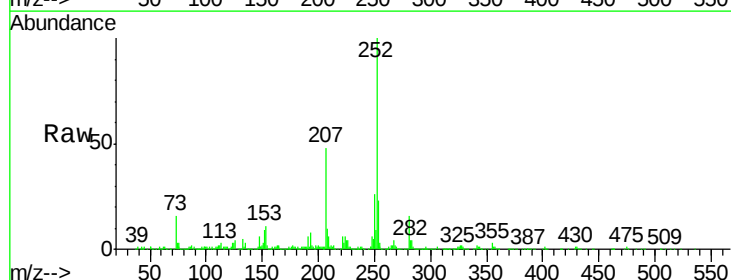
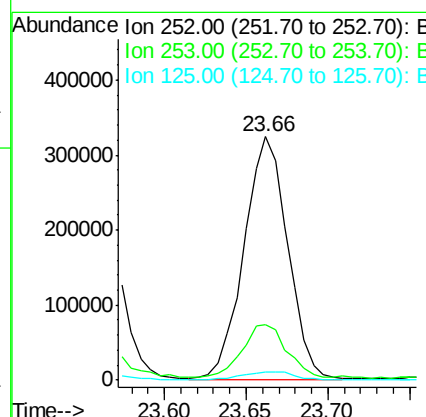
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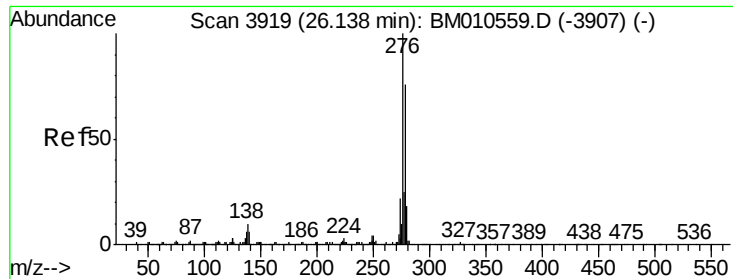
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#88
Benzo(a)pyrene
Concen: 9.356 ng/ul m
RT: 23.66 min Scan# 3498
Delta R.T. -0.01 min
Lab File: BM010574.D
Acq: 13 Jun 2017 23:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	3.1	4.0	6.0





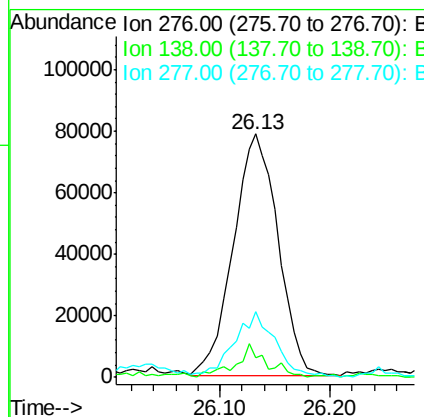
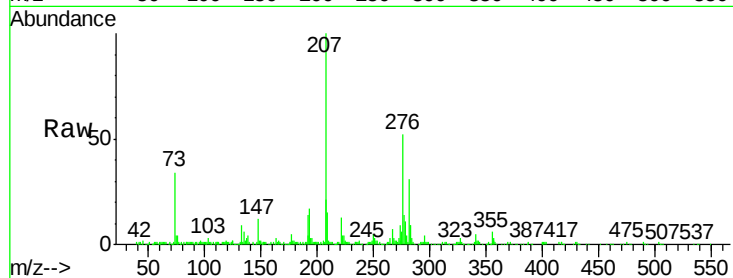
#89
Indeno(1,2,3-cd)pyrene
Concen: 2.700 ng/ul
RT: 26.13 min Scan# 3918
Delta R.T. -0.01 min
Lab File: BM010574.D
Acq: 13 Jun 2017 23:33

Instrument :
BNA_M
ClientSampleId :
F5C59

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	221883		
138	8.1	9.3	13.9#	
277	26.8	19.9	29.9	

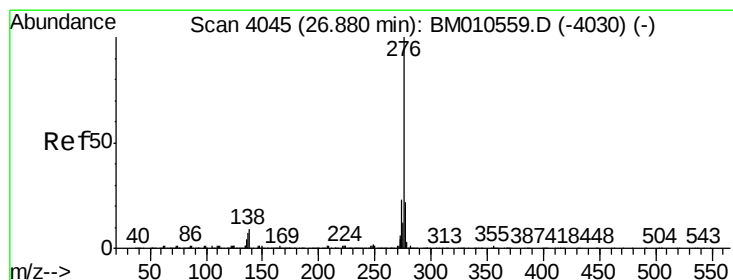
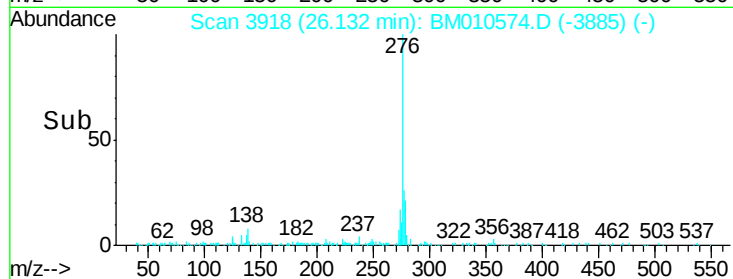
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#91
Benzo(g,h,i)perylene
Concen: 2.212 ng/ul
RT: 26.87 min Scan# 4043
Delta R.T. -0.01 min
Lab File: BM010574.D
Acq: 13 Jun 2017 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	149748		
138	8.5	8.5	12.7#	
277	26.2	18.6	28.0	

