

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
 Data File : BM010570.D
 Acq On : 13 Jun 2017 21:08
 Operator : SJ/MA
 Sample : I3558-13 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C86

Manual Integrations
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 6/14/2017 2:57:38 PM

Quant Time: Jun 14 13:56:25 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	116517	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	409651	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.52	164	272202	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	765991m	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1253575	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1128305	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	676	0.24	ng/uL	0.01
5) Phenol-d5	7.06	99	12672	1.44	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	7931	1.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	12661	1.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.60	113	11456	1.61	ng/ul	0.00
19) Nitrobenzene-d5	9.06	128	8662	2.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.78	143	6568	1.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.31	165	13720	1.92	ng/ul	0.00
29) 4-Chloroaniline-d4	10.85	131	55289	8.02	ng/ul	0.00
43) Dimethylphthalate-d6	13.93	166	64886	2.87	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	63464	2.41	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	5055	1.49	ng/ul	0.01
57) Fluorene-d10	15.51	176	52157	2.62	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.79	200	351	0.06	ng/ul	0.14
70) Anthracene-d10	17.37	188	89093	2.39	ng/ul	0.00
76) Pyrene-d10	19.66	212	129965	2.51	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	115879	2.21	ng/ul	0.00

Target Compounds

					Qvalue
24) 2,4-Dimethylphenol	9.86	107	27530	3.213 ng/ul	88
28) Naphthalene	10.74	128	28956185m	1409.266 ng/ul	
34) 2-Methylnaphthalene	12.35	142	13354825	857.264 ng/ul	96
40) 1,1'-Biphenyl	13.35	154	2454343	111.148 ng/ul	99
44) Dimethylphthalate	13.99	163	22485	1.011 ng/ul	96
47) Acenaphthylene	14.24	152	420390	16.305 ng/ul#	94
49) Acenaphthene	14.59	153	10039143	555.203 ng/ul	99
53) Dibenzofuran	14.93	168	11444165	428.019 ng/ul	92
58) Fluorene	15.57	166	12376767	564.319 ng/ul	97
69) Phenanthrene	17.32	178	24604276m	601.681 ng/ul	
71) Anthracene	17.42	178	11222762m	262.888 ng/ul	
72) Carbazole	17.70	167	5163561	142.901 ng/ul	99
74) Fluoranthene	19.32	202	18968508m	377.210 ng/ul	
77) Pyrene	19.69	202	16969851m	262.701 ng/ul	
80) Benzo(a)anthracene	21.43	228	7059181	99.860 ng/ul	98
82) Chrysene	21.48	228	5402832m	84.548 ng/ul	
85) Benzo(b)fluoranthene	23.06	252	3453588	52.603 ng/ul#	99
86) Benzo(k)fluoranthene	23.10	252	1200398m	19.139 ng/ul	
88) Benzo(a)pyrene	23.67	252	2143179m	32.933 ng/ul	
89) Indeno(1,2,3-cd)pyrene	26.14	276	706702	8.595 ng/ul#	94
90) Dibenzo(a,h)anthracene	26.14	278	209521m	2.959 ng/ul	
91) Benzo(g,h,i)perylene	26.87	276	487109	7.191 ng/ul#	95

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Quant Title : SVOA CALIBRATION
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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

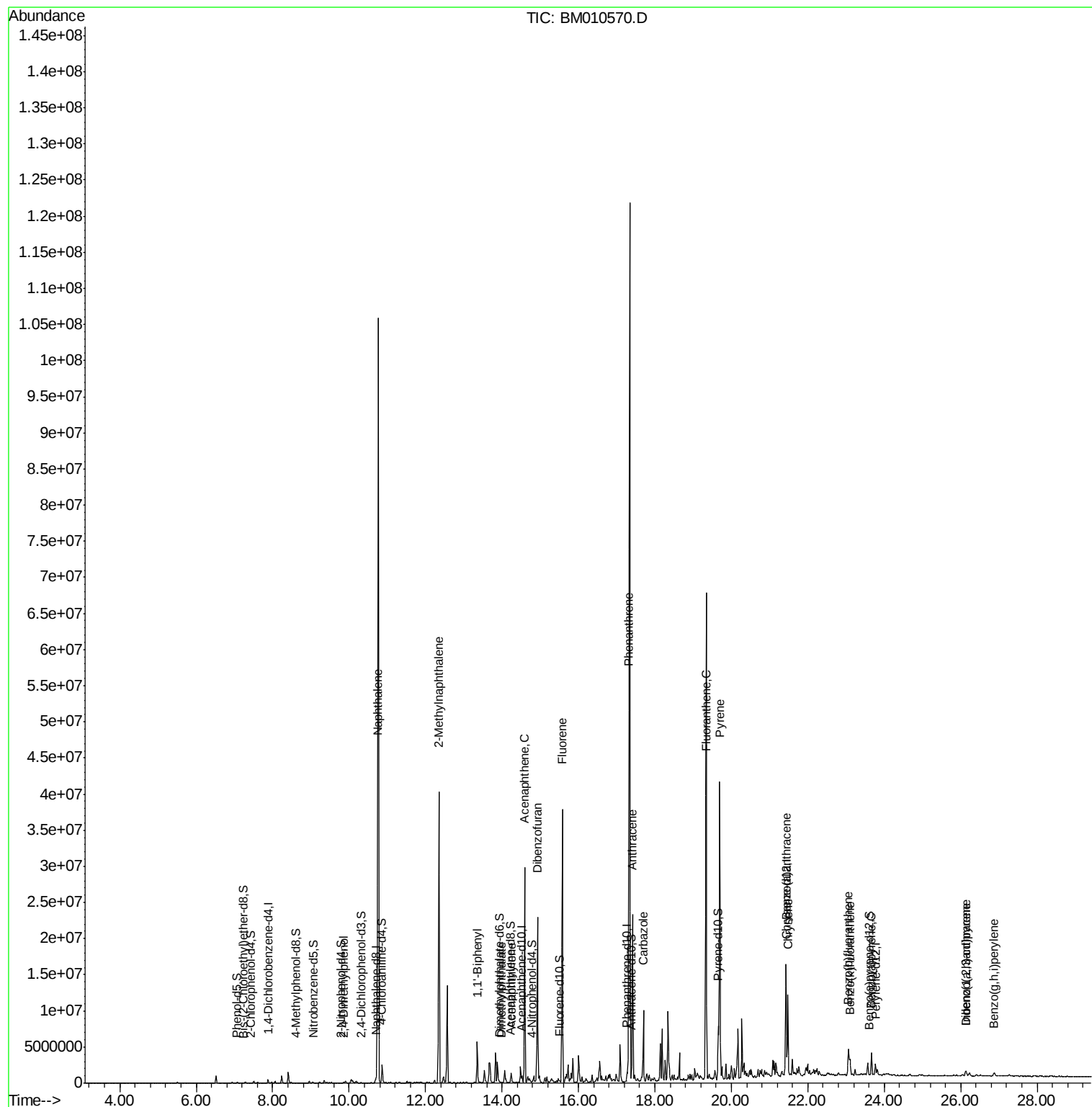
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010570.D
Acq On : 13 Jun 2017 21:08
Operator : SJ/MA
Sample : I3558-13 10X
Misc :
ALS Vial : 13 Sample Multiplier: 1

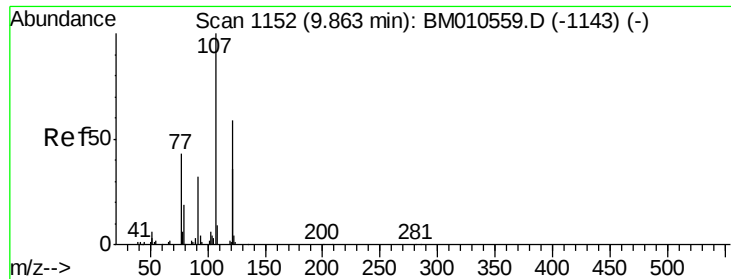
Instrument :
BNA_M
ClientSampled :
F5C86

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#24

2,4-Dimethylphenol

Concen: 3.213 ng/ul

RT: 9.86 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BM010570.D

Acq: 13 Jun 2017 21:08

Instrument :

BNA_M

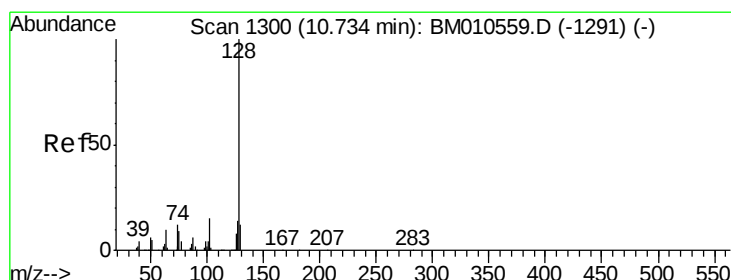
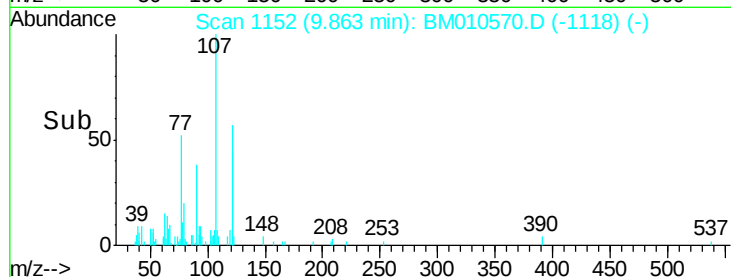
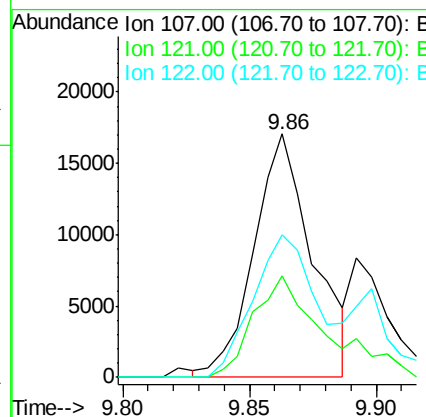
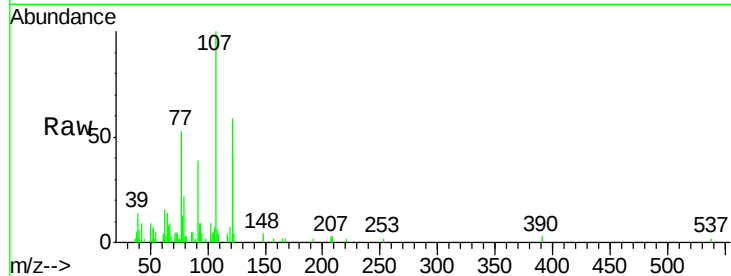
ClientSampleId :

F5C86

Tgt Ion:	107	Resp:	27530
Ion Ratio	Lower	Upper	
107	100		
121	41.9	31.9	47.9
122	58.5	57.8	86.6

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#28

Naphthalene

Concen: 1409.266 ng/ul m

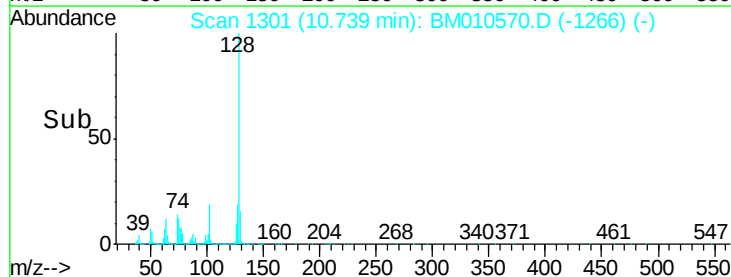
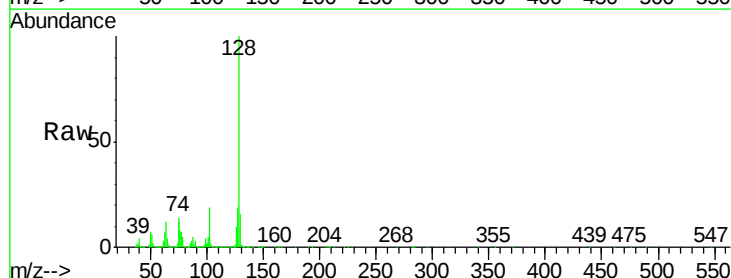
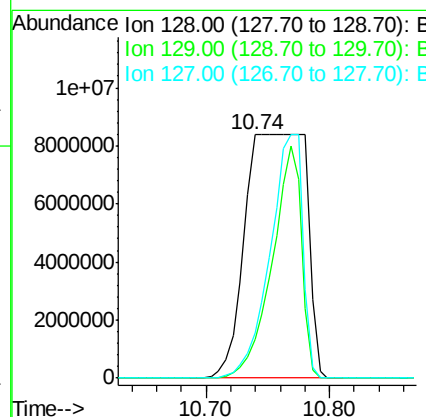
RT: 10.74 min Scan# 1301

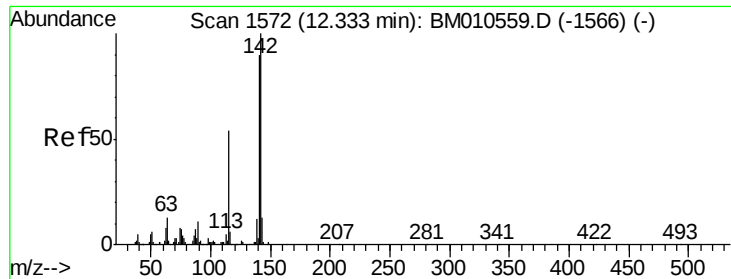
Delta R.T. 0.01 min

Lab File: BM010570.D

Acq: 13 Jun 2017 21:08

Tgt Ion:	128	Resp:	28956185
Ion Ratio	Lower	Upper	
128	100		
129	15.8	8.8	13.2#
127	18.6	10.6	16.0#





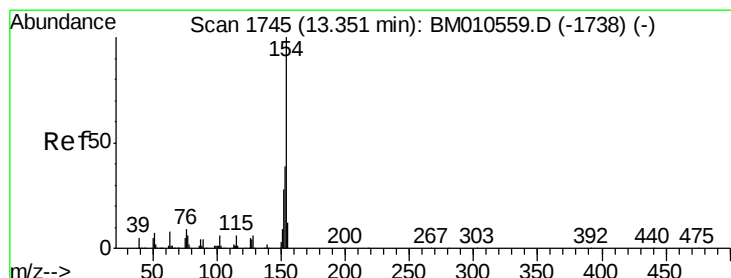
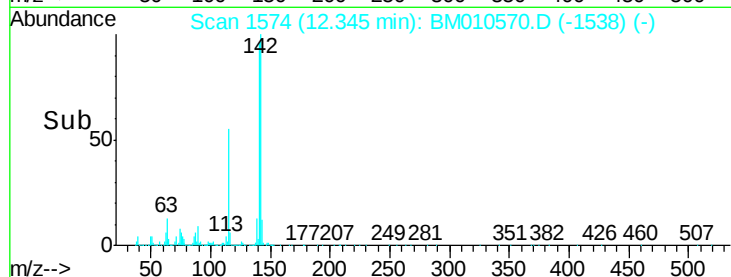
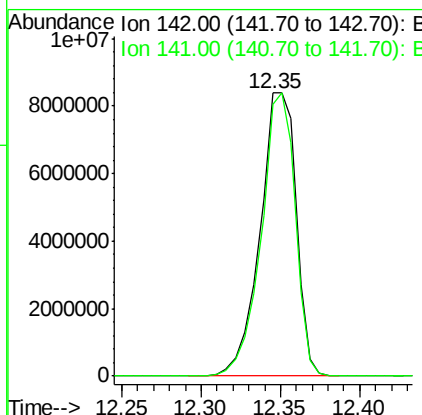
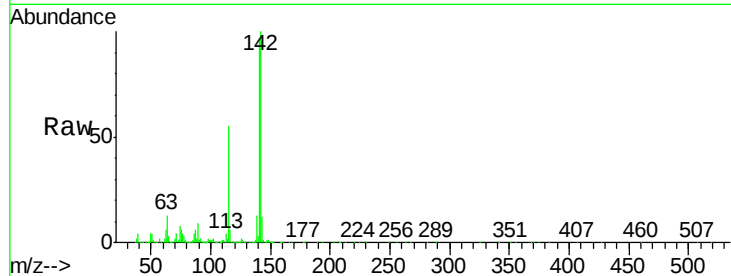
#34
 2-Methylnaphthalene
 Concen: 857.264 ng/ul
 RT: 12.35 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: BM010570.D
 Acq: 13 Jun 2017 21:08

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion:142 Resp:13354825
 Ion Ratio Lower Upper
 142 100
 141 96.1 74.1 111.1

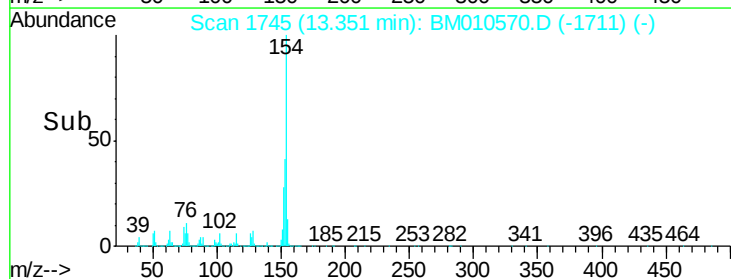
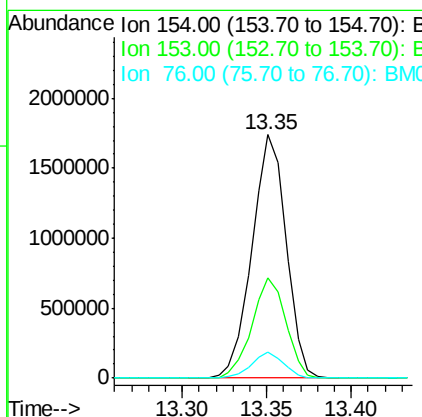
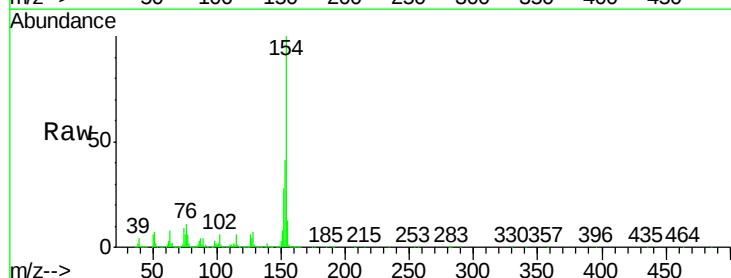
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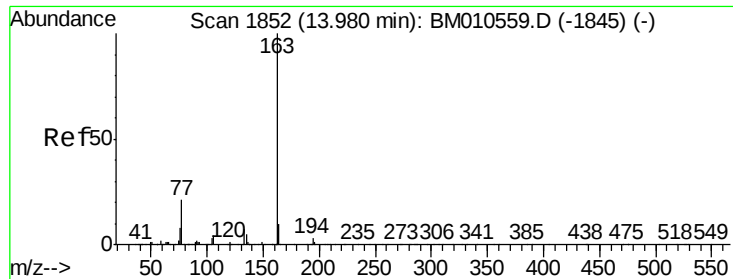
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#40
 1,1'-Biphenyl
 Concen: 111.148 ng/ul
 RT: 13.35 min Scan# 1745
 Delta R.T. -0.00 min
 Lab File: BM010570.D
 Acq: 13 Jun 2017 21:08

Tgt Ion:154 Resp: 2454343
 Ion Ratio Lower Upper
 154 100
 153 41.2 32.6 48.8
 76 10.5 8.5 12.7





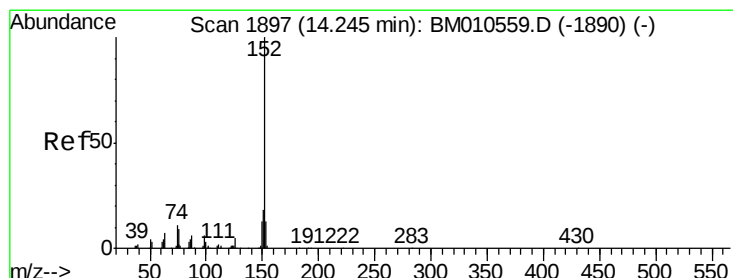
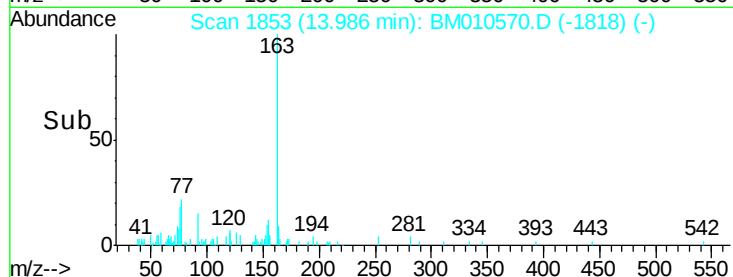
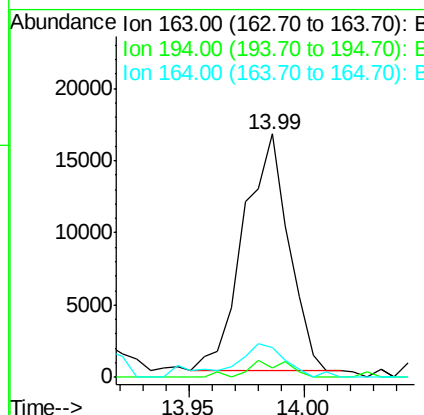
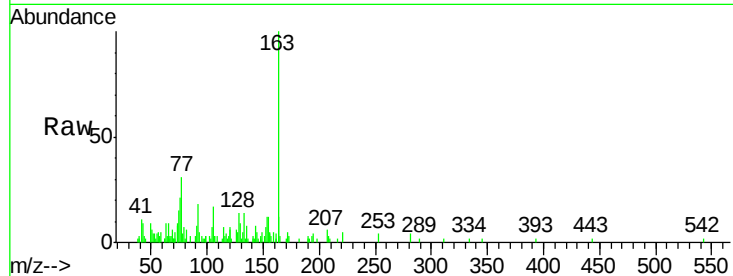
#44
Dimethylphthalate
Concen: 1.011 ng/ul
RT: 13.99 min Scan# 1853
Delta R.T. 0.01 min
Lab File: BM010570.D
Acq: 13 Jun 2017 21:08

Instrument :
BNA_M
ClientSampleId :
F5C86

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.8	3.5	5.3
164	12.2	8.2	12.4

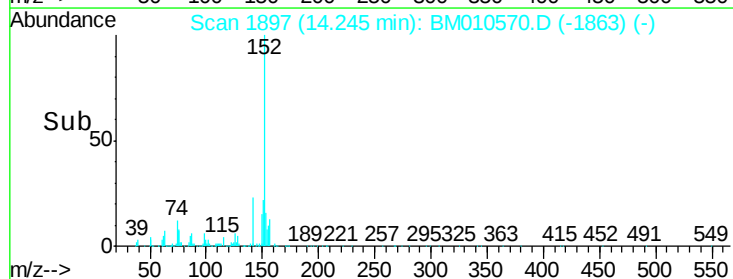
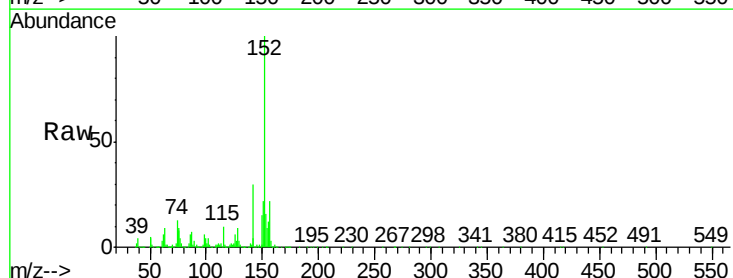
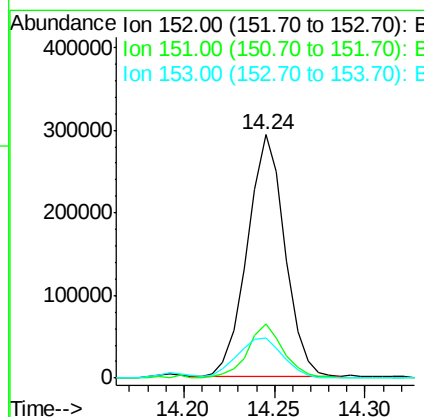
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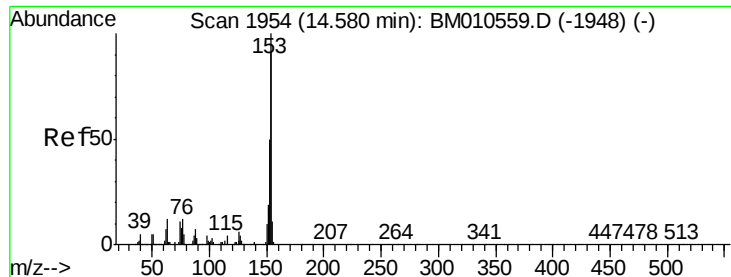
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#47
Acenaphthylene
Concen: 16.305 ng/ul
RT: 14.24 min Scan# 1897
Delta R.T. -0.00 min
Lab File: BM010570.D
Acq: 13 Jun 2017 21:08

Tgt Ion	Ratio	Resp Lower	Upper
152	100		
151	22.2	16.3	24.5
153	16.5	10.2	15.4#





#49

Acenaphthene

Concen: 555.203 ng/ul

RT: 14.59 min Scan# 1956

Delta R.T. 0.01 min

Lab File: BM010570.D

Acq: 13 Jun 2017 21:08

Instrument :

BNA_M

ClientSampleId :

F5C86

Tgt Ion:153 Resp:10039143

Ion Ratio Lower Upper

153 100

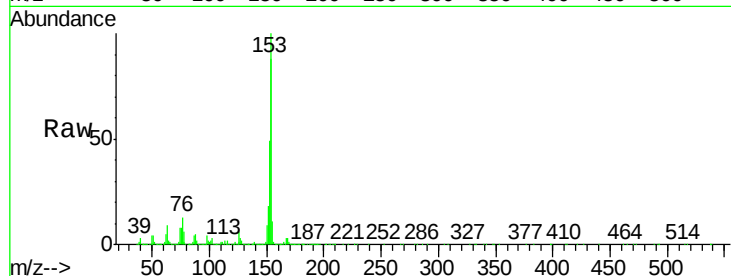
152 49.0 37.6 56.4

154 88.0 70.4 105.6

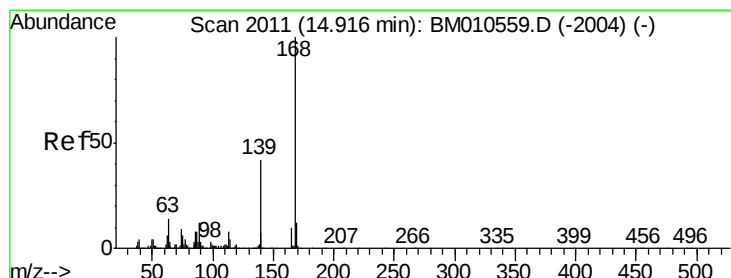
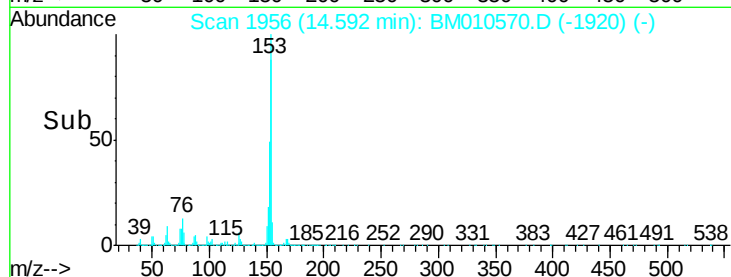
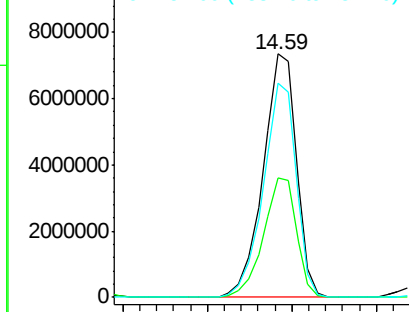
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Abundance Ion 153.00 (152.70 to 153.70): E
1e+07
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 428.019 ng/ul

RT: 14.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BM010570.D

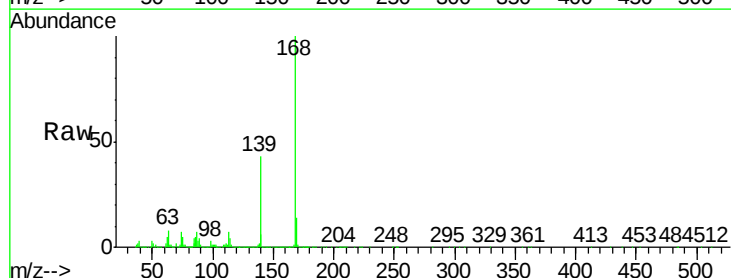
Acq: 13 Jun 2017 21:08

Tgt Ion:168 Resp:11444165

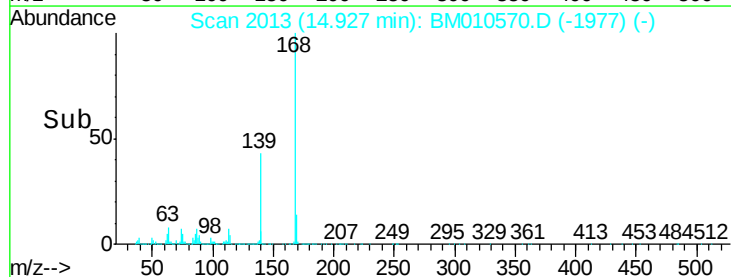
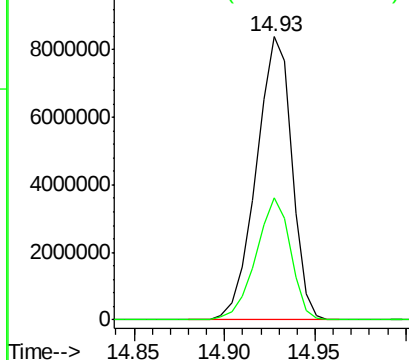
Ion Ratio Lower Upper

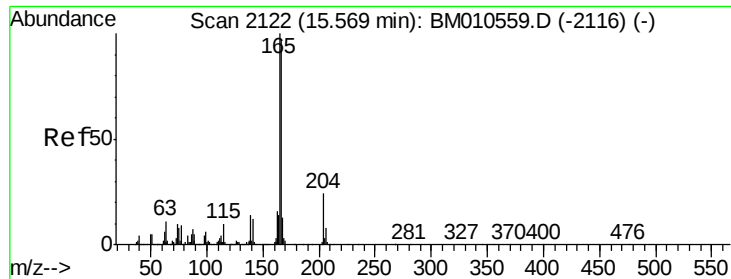
168 100

139 43.2 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E
1e+07
Ion 139.00 (138.70 to 139.70): E





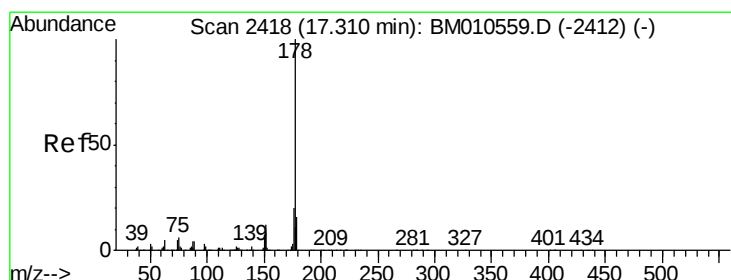
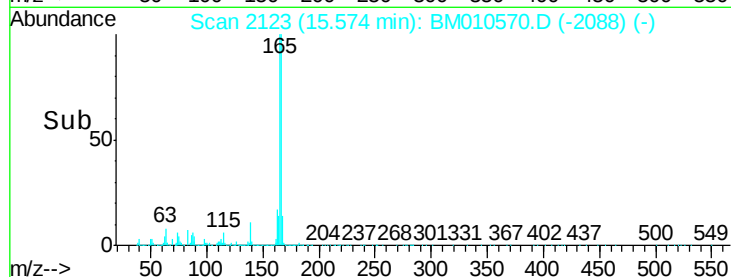
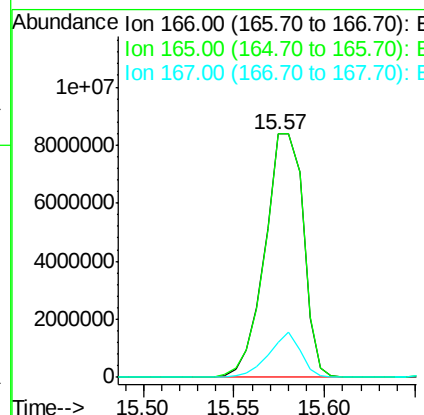
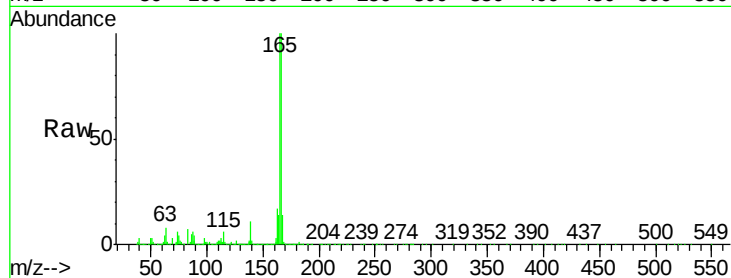
#58
Fluorene
 Concen: 564.319 ng/ul
 RT: 15.57 min Scan# 2123
 Delta R.T. 0.01 min
 Lab File: BM010570.D
 Acq: 13 Jun 2017 21:08

Instrument :
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 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.0	77.9	116.9
167	14.4	10.6	16.0

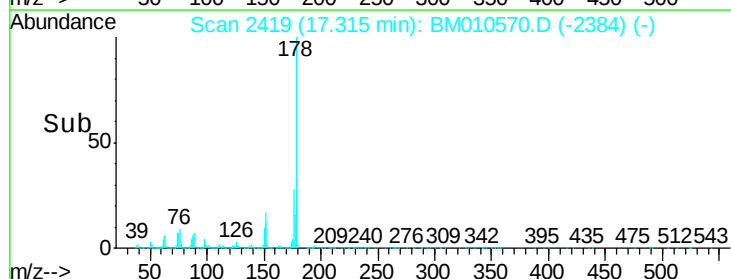
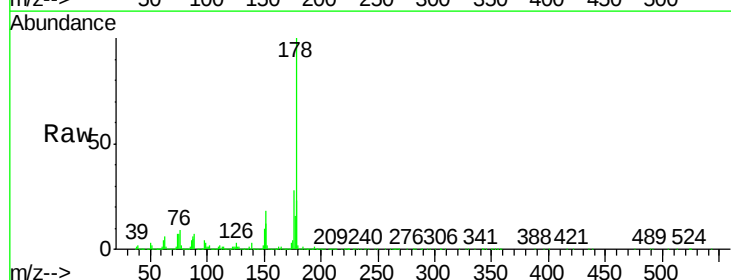
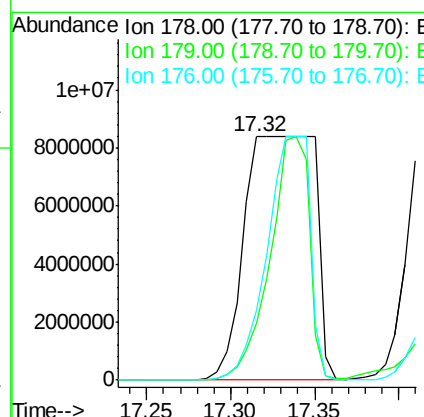
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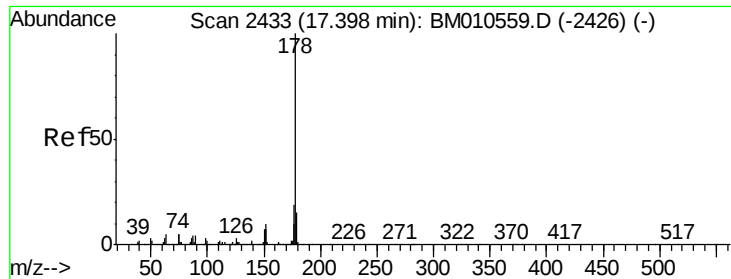
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#69
Phenanthrene
 Concen: 601.681 ng/ul m
 RT: 17.32 min Scan# 2419
 Delta R.T. 0.01 min
 Lab File: BM010570.D
 Acq: 13 Jun 2017 21:08

Tgt Ion	Ratio	Lower	Upper
178	100		
179	23.5	12.6	19.0#
176	28.3	14.9	22.3#





#71

Anthracene

Concen: 262.888 ng/u1 m

RT: 17.42 min Scan# 2436

Delta R.T. 0.02 min

Lab File: BM010570.D

Acq: 13 Jun 2017 21:08

Instrument :

BNA_M

ClientSampled :

F5C86

Tgt Ion:178 Resp:11222762

Ion Ratio Lower Upper

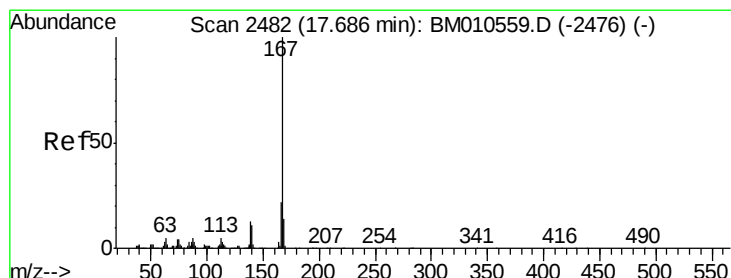
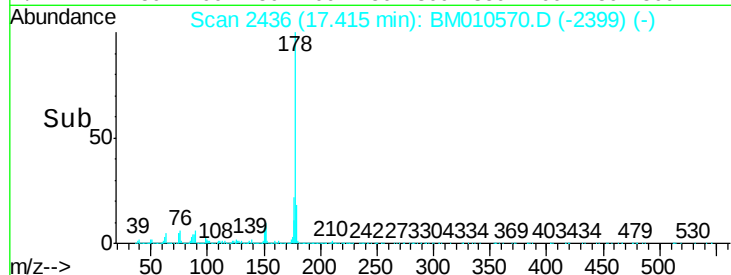
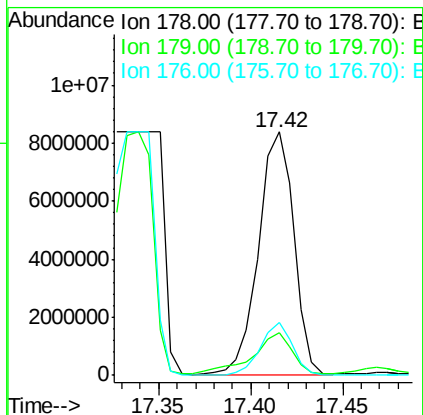
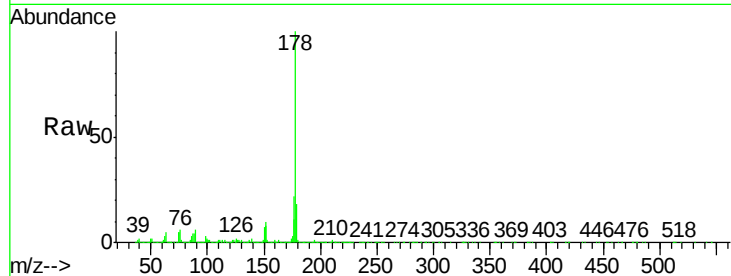
178 100

179 17.7 11.7 17.5#

176 21.6 14.6 21.8

Manual Integrations
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#72

Carbazole

Concen: 142.901 ng/u1

RT: 17.70 min Scan# 2484

Delta R.T. 0.01 min

Lab File: BM010570.D

Acq: 13 Jun 2017 21:08

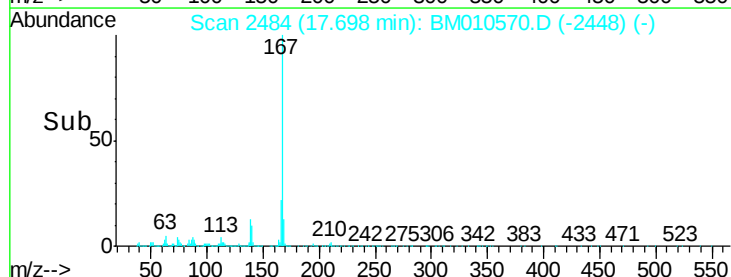
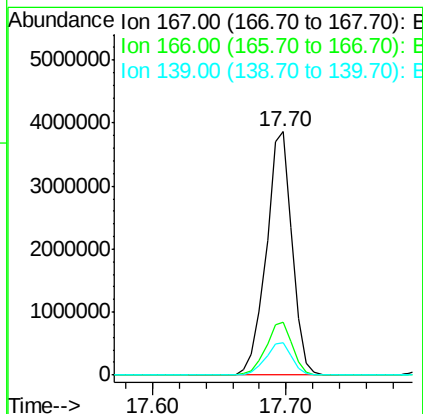
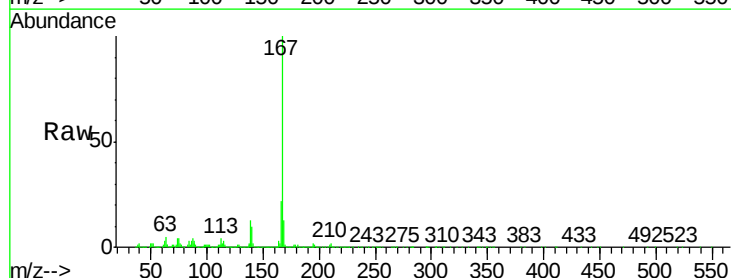
Tgt Ion:167 Resp: 5163561

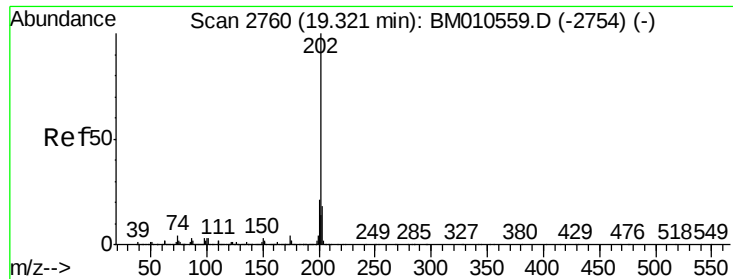
Ion Ratio Lower Upper

167 100

166 21.7 17.1 25.7

139 13.5 10.0 15.0





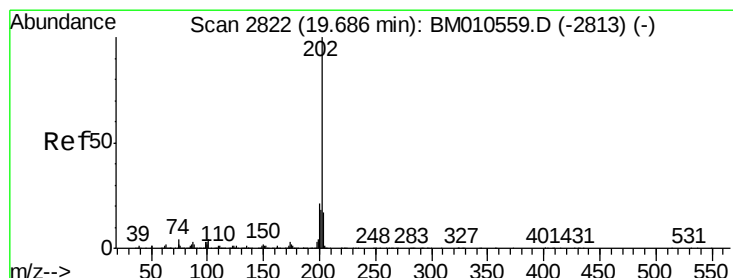
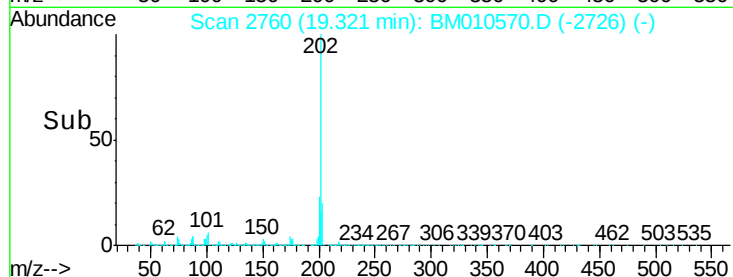
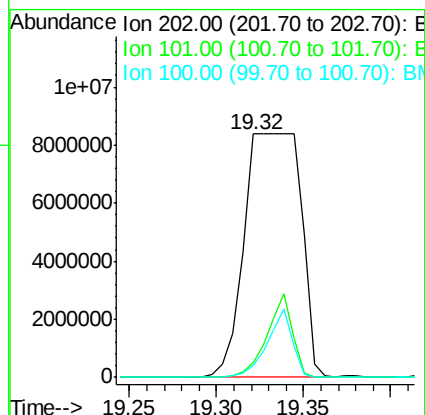
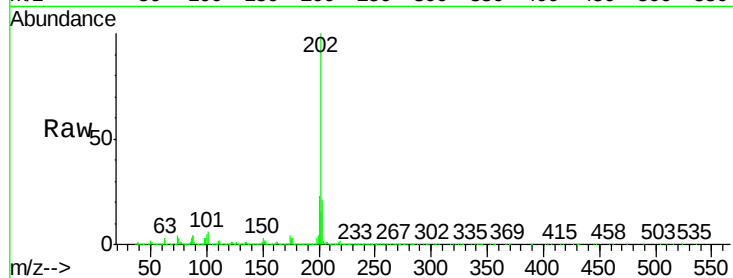
#74
 Fluoranthene
 Concen: 377.210 ng/ul m
 RT: 19.32 min Scan# 2760
 Delta R.T. -0.00 min
 Lab File: BM010570.D
 Acq: 13 Jun 2017 21:08

Instrument :
 BNA_M
 ClientSampleId :
 F5C86

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.8	4.6	7.0
100	5.1	3.4	5.2

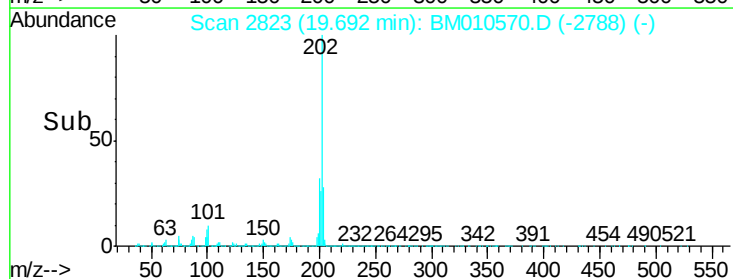
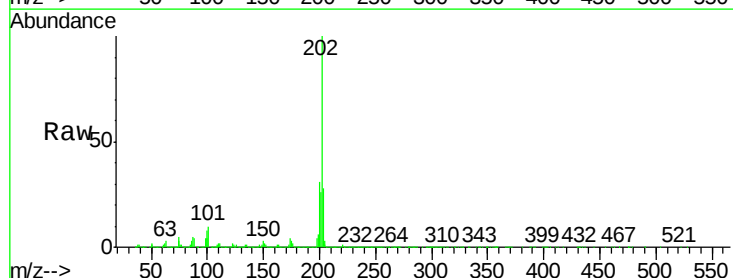
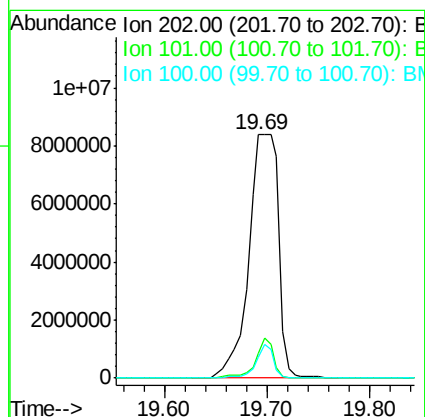
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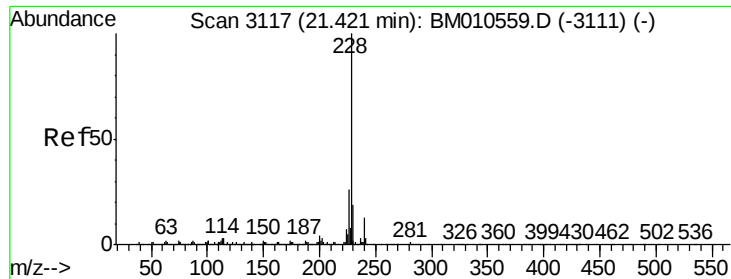
mohammad
 6/14/2017 2:57:38 PM



#77
 Pyrene
 Concen: 262.701 ng/ul m
 RT: 19.69 min Scan# 2823
 Delta R.T. 0.01 min
 Lab File: BM010570.D
 Acq: 13 Jun 2017 21:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	5.1	7.7#
100	8.5	4.9	7.3#





#80

Benzo(a)anthracene

Concen: 99.860 ng/ul

RT: 21.43 min Scan# 3118

Delta R.T. 0.01 min

Lab File: BM010570.D

Acq: 13 Jun 2017 21:08

Instrument :

BNA_M

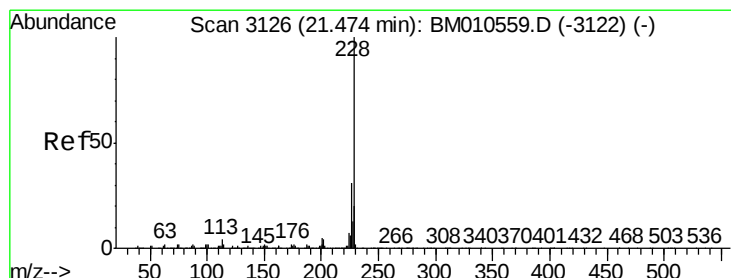
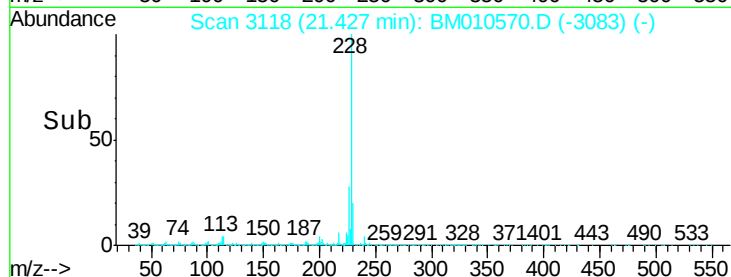
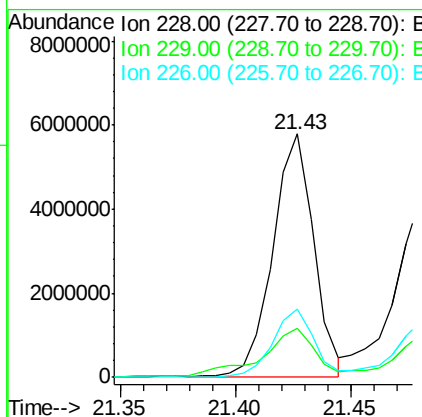
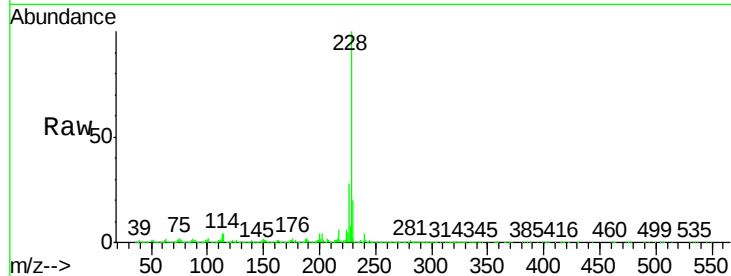
ClientSampleId :

F5C86

Tgt Ion:	228	Resp:	7059181
Ion Ratio	Lower	Upper	
228	100		
229	20.1	15.4	23.0
226	28.1	21.4	32.0

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#82

Chrysene

Concen: 84.548 ng/ul m

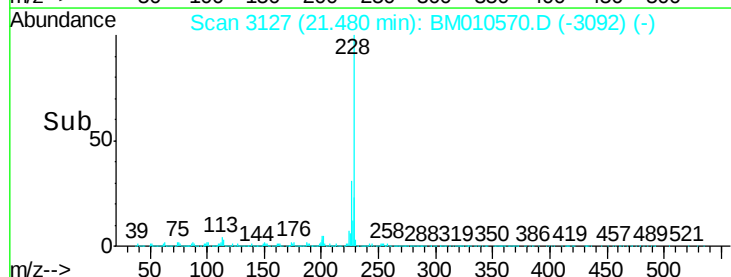
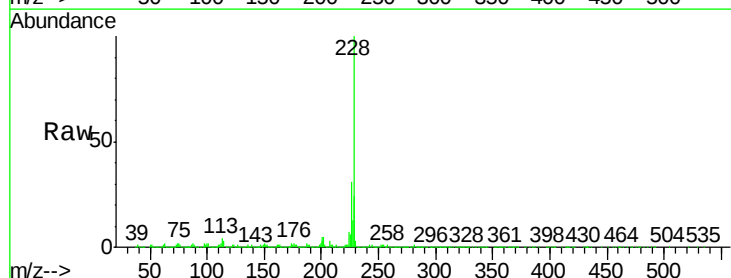
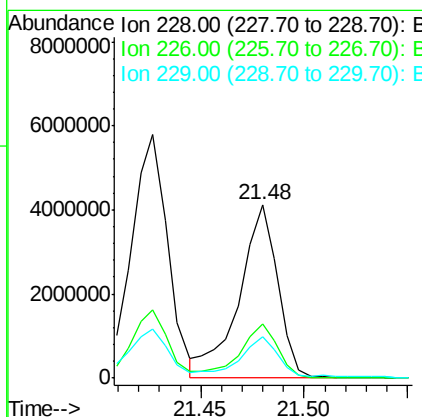
RT: 21.48 min Scan# 3127

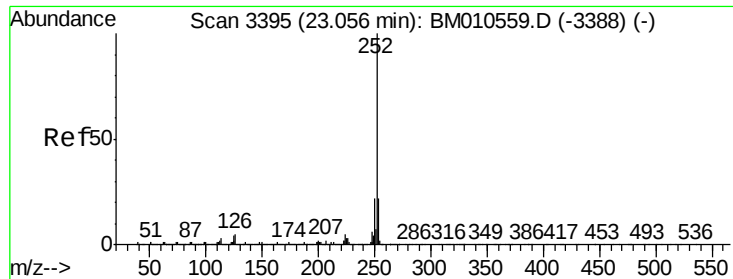
Delta R.T. 0.01 min

Lab File: BM010570.D

Acq: 13 Jun 2017 21:08

Tgt Ion:	228	Resp:	5402832
Ion Ratio	Lower	Upper	
228	100		
226	31.0	23.4	35.2
229	23.8	15.5	23.3#





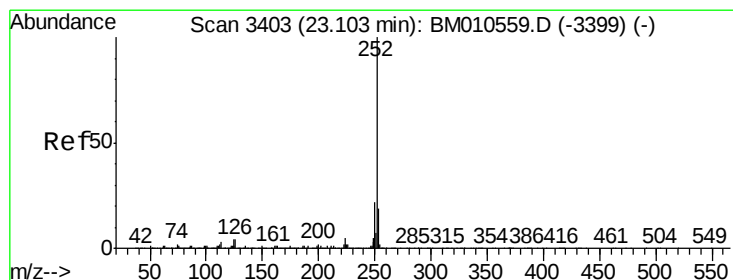
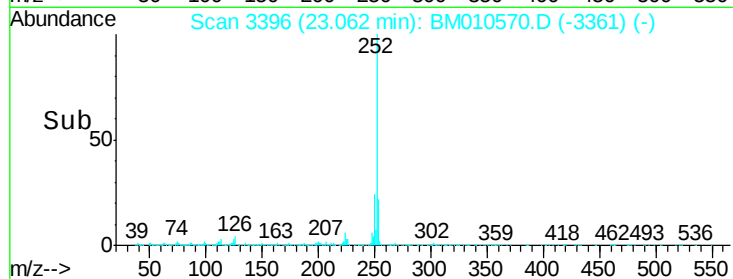
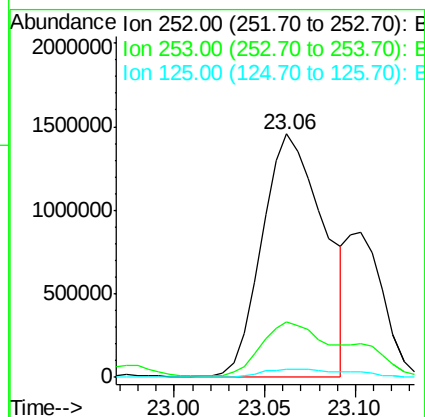
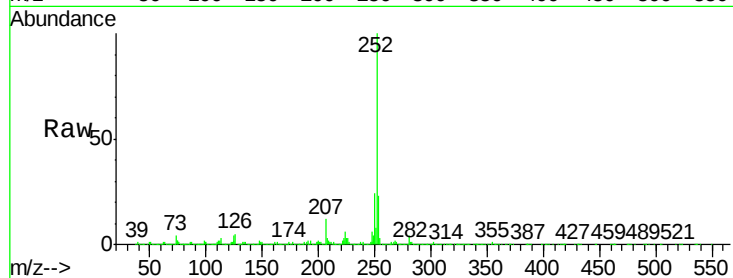
#85
Benzo(b)fluoranthene
Concen: 52.603 ng/ul
RT: 23.06 min Scan# 3396
Delta R.T. 0.01 min
Lab File: BM010570.D
Acq: 13 Jun 2017 21:08

Instrument :
BNA_M
ClientSampleId :
F5C86

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	3.5	3.6	5.4

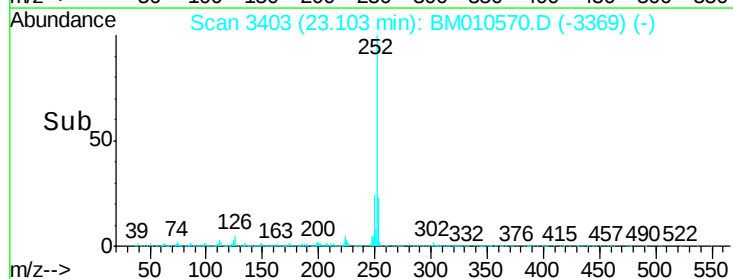
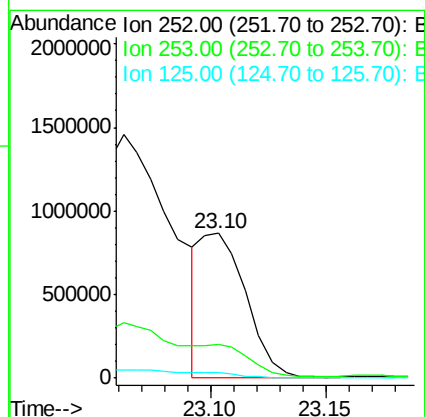
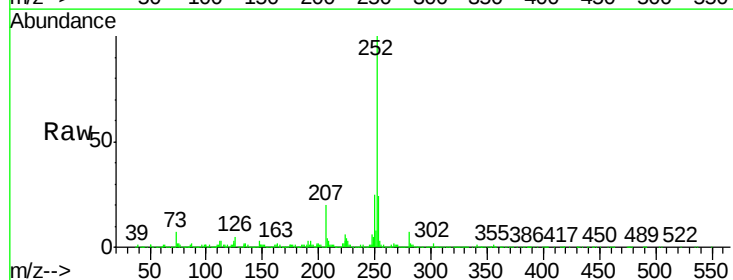
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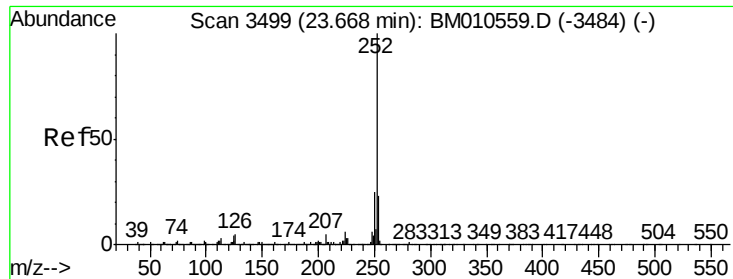
mohammad
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#86
Benzo(k)fluoranthene
Concen: 19.139 ng/ul m
RT: 23.10 min Scan# 3403
Delta R.T. -0.00 min
Lab File: BM010570.D
Acq: 13 Jun 2017 21:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	3.4	3.4	5.2





#88

Benzo(a)pyrene

Concen: 32.933 ng/ul m

RT: 23.67 min Scan# 3499

Delta R.T. -0.00 min

Lab File: BM010570.D

Acq: 13 Jun 2017 21:08

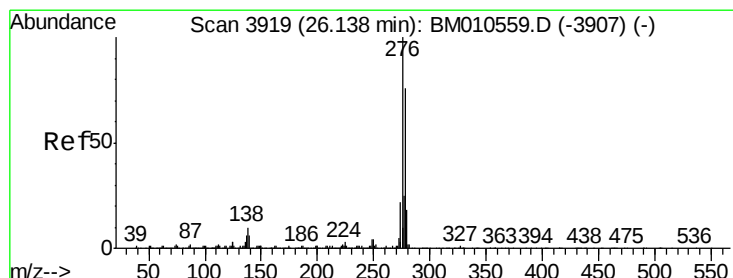
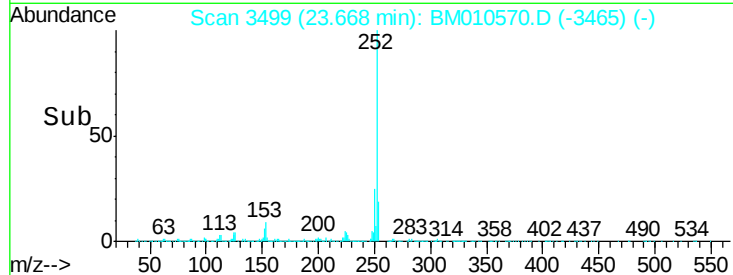
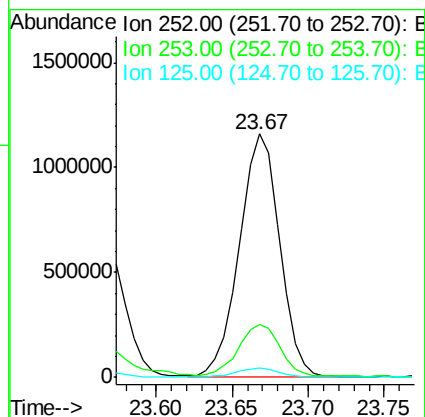
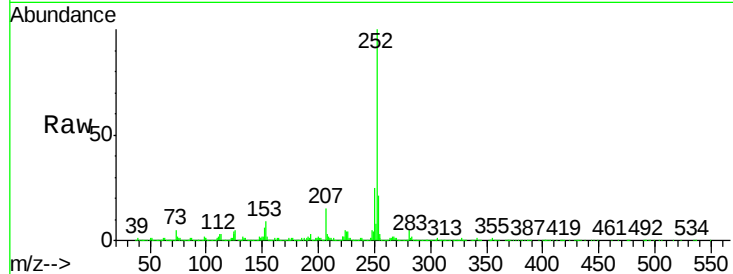
Instrument :
BNA_M

ClientSampleId :
F5C86

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.2	27.2
125	3.9	4.0	6.0#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 8.595 ng/ul

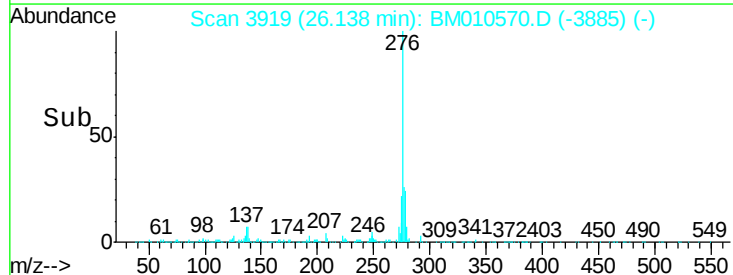
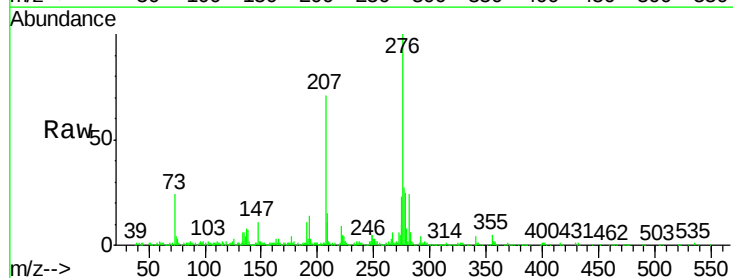
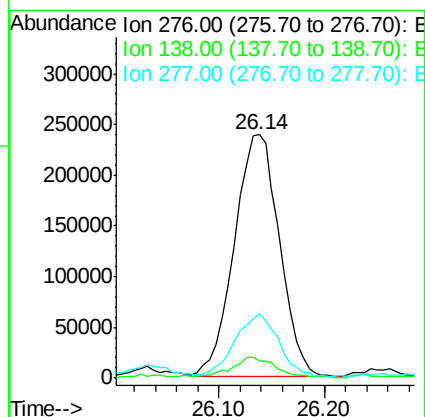
RT: 26.14 min Scan# 3919

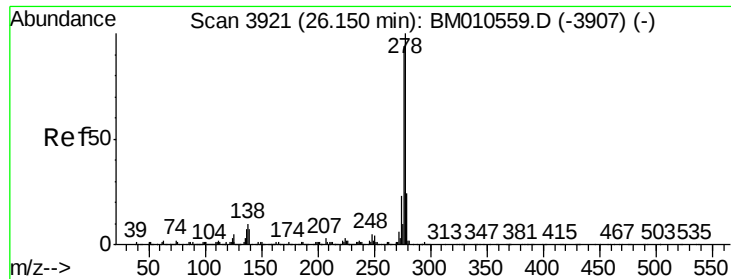
Delta R.T. -0.00 min

Lab File: BM010570.D

Acq: 13 Jun 2017 21:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	7.2	9.3	13.9#
277	26.7	19.9	29.9





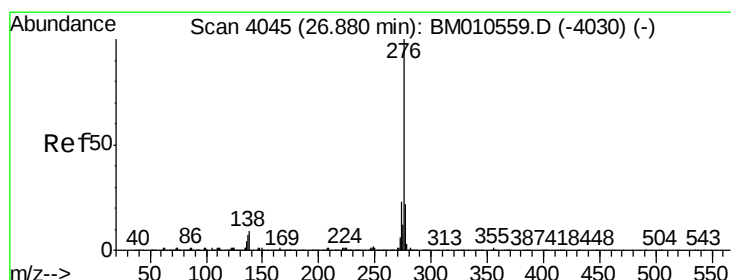
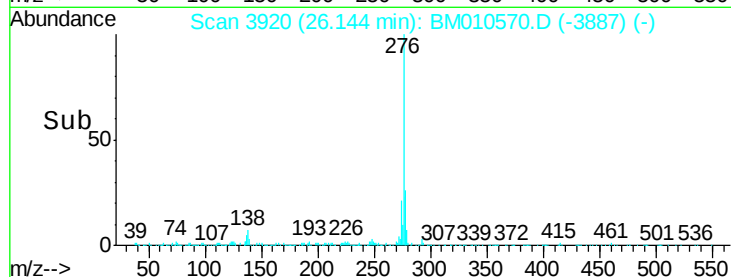
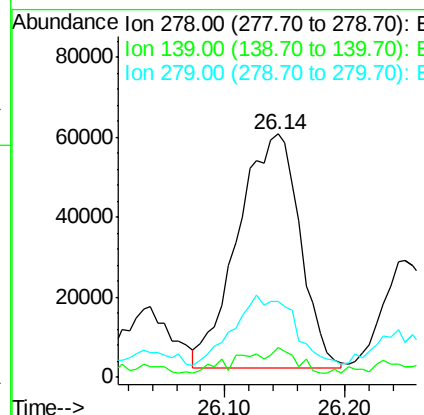
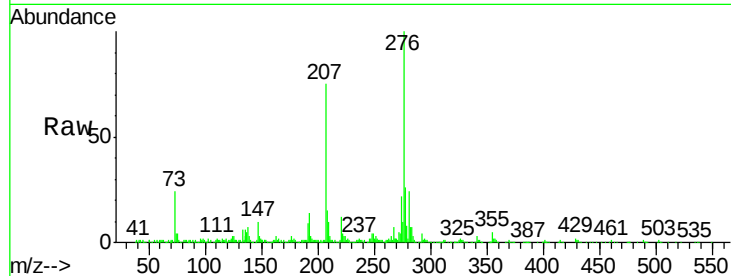
#90
Dibenzo(a,h)anthracene
Concen: 2.959 ng/ul m
RT: 26.14 min Scan# 3920
Delta R.T. -0.01 min
Lab File: BM010570.D
Acq: 13 Jun 2017 21:08

Instrument :
BNA_M
ClientSampleId :
F5C86

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.2	5.8	8.8#
279	31.2	18.6	27.8#

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#91
Benzo(g,h,i)perylene
Concen: 7.191 ng/ul
RT: 26.87 min Scan# 4044
Delta R.T. -0.01 min
Lab File: BM010570.D
Acq: 13 Jun 2017 21:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	7.7	8.5	12.7#
277	25.0	18.6	28.0

