

Data Path : Z:\HPCHEM1\BNA M\DATA\BM061317\
 Data File : BM010572.D
 Acq On : 13 Jun 2017 22:21
 Operator : SJ/MA
 Sample : I3522-11 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 14 01:50:29 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	98926	20.00	ng/ul	0.00
18) Naphthalene-d8	10.68	136	340483	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	227396	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	607359	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1014843	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	996650	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	372	0.15	ng/uL	0.00
5) Phenol-d5	7.07	99	13194	1.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.22	67	6190	1.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	10878	1.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.60	113	10204	1.69	ng/ul	0.00
19) Nitrobenzene-d5	9.06	128	5105	2.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.78	143	7115	2.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.31	165	13358	2.25	ng/ul	0.00
29) 4-Chloroaniline-d4	10.85	131	9952	1.74	ng/ul	0.00
43) Dimethylphthalate-d6	13.93	166	47288	2.50	ng/ul	0.00
46) Acenaphthylene-d8	14.21	160	51007	2.31	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	2933	1.04	ng/ul	0.00
57) Fluorene-d10	15.50	176	45237	2.72	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.64	200	9254	2.15	ng/ul	0.00
70) Anthracene-d10	17.37	188	80624	2.73	ng/ul	0.00
76) Pyrene-d10	19.66	212	101724	2.42	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	107295	2.31	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.73	128	306253	17.93	ng/ul	98
30) 4-Chloroaniline	10.73	127	40390	7.31	ng/ul#	15
34) 2-Methylnaphthalene	12.33	142	150636	11.63	ng/ul	97
40) 1,1'-Biphenyl	13.35	154	41292	2.24	ng/ul	89
44) Dimethylphthalate	13.98	163	47457	2.55	ng/ul#	93
47) Acenaphthylene	14.24	152	299556	13.91	ng/ul	97
49) Acenaphthene	14.58	153	65441	4.33	ng/ul	96
53) Dibenzofuran	14.92	168	318046	14.24	ng/ul	95
58) Fluorene	15.56	166	779025	42.52	ng/ul	100
60) 4-Nitroaniline	15.57	138	11268	3.28	ng/ul#	1
69) Phenanthrene	17.32	178	3089403	95.28	ng/ul	98
71) Anthracene	17.32	178	3089403	91.27	ng/ul	98
72) Carbazole	17.70	167	8192488	285.94	ng/ul	98
74) Fluoranthene	19.33	202	11501944	288.47	ng/ul	99
77) Pyrene	19.69	202	10308817	197.13	ng/ul#	96
80) Benzo(a)anthracene	21.42	228	4870126	85.10	ng/ul	97
82) Chrysene	21.48	228	5304981	102.55	ng/ul	96
85) Benzo(b)fluoranthene	23.07	252	7899656	136.22	ng/ul	99
86) Benzo(k)fluoranthene	23.07	252	7899656	142.59	ng/ul	98
88) Benzo(a)pyrene	23.57	252	3166726	55.09	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	26.15	276	2518063	34.67	ng/ul#	96
90) Dibenzo(a,h)anthracene	26.15	278	687272	10.99	ng/ul#	89
91) Benzo(g,h,i)perylene	26.89	276	1761628	29.44	ng/ul#	94

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QLast Update : Wed Jun 14 01:46:30 2017
Response via : Initial Calibration

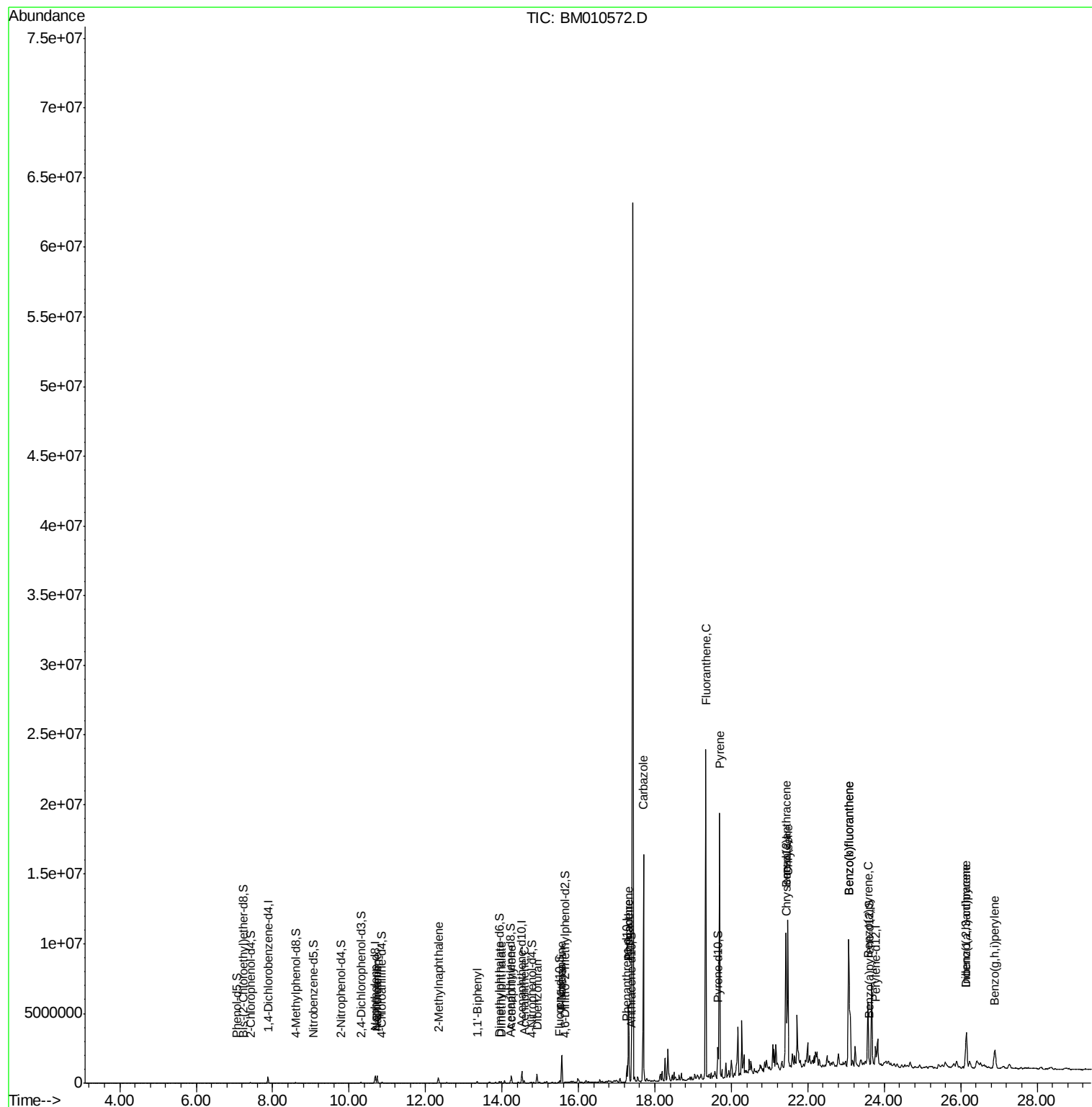
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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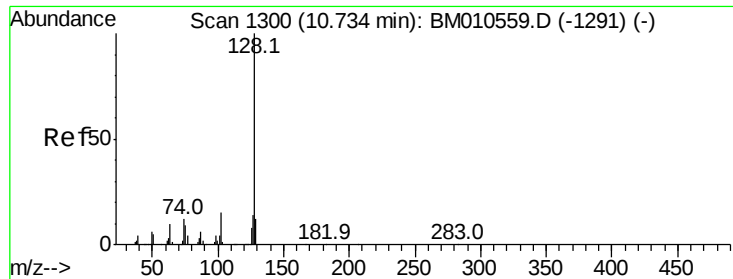
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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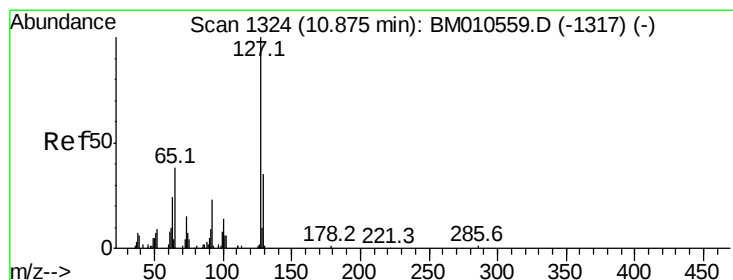
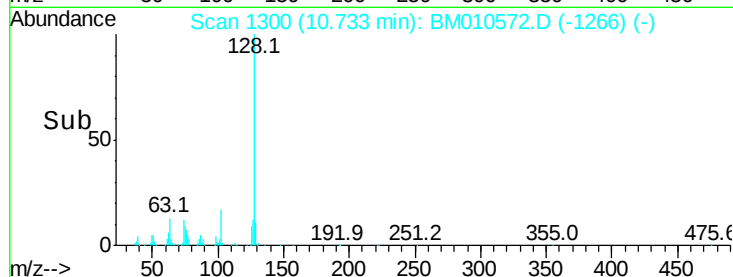
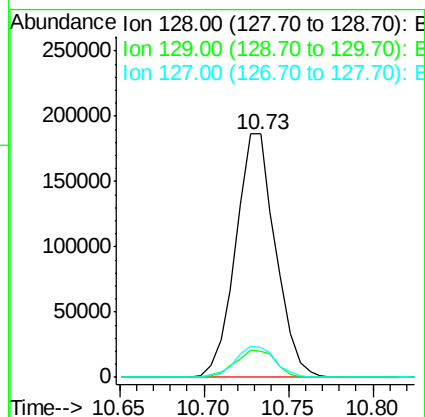
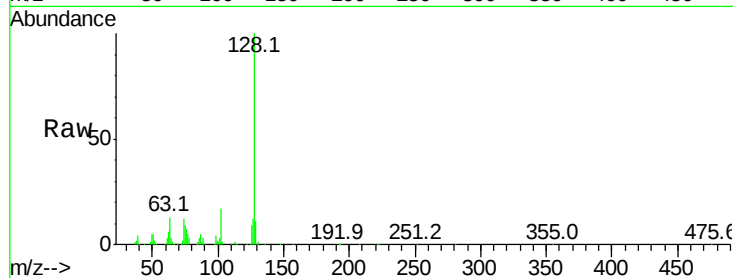




#28
Naphthalene
Concen: 17.93 ng/ul
RT: 10.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BM010572.D
Acq: 13 Jun 2017 22:21

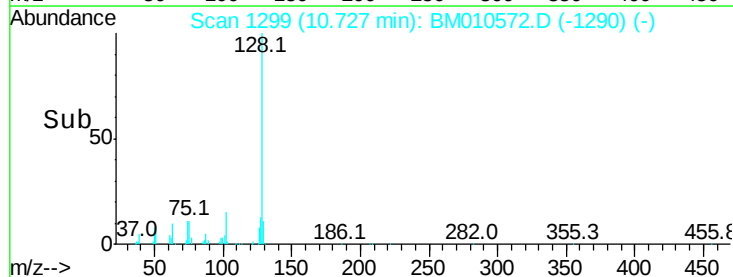
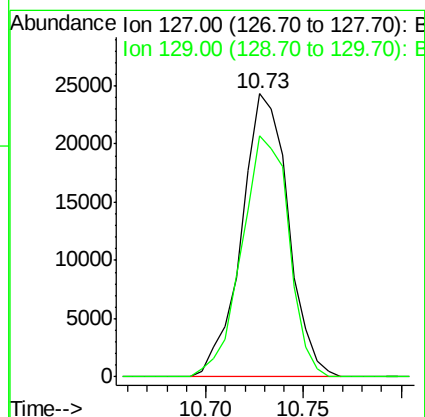
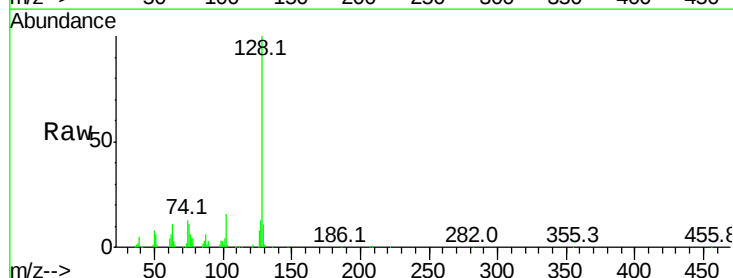
Instrument :
BNA_M
ClientSampleId :

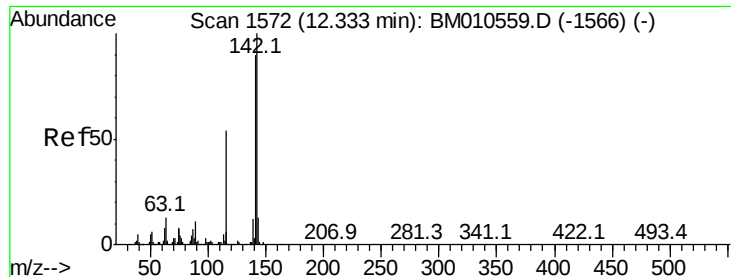
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	12.4	10.6	16.0



#30
4-Chloroaniline
Concen: 7.31 ng/ul
RT: 10.73 min Scan# 1299
Delta R.T. -0.15 min
Lab File: BM010572.D
Acq: 13 Jun 2017 22:21

Tgt Ion	Ratio	Lower	Upper
127	100		
129	85.0	28.4	42.6

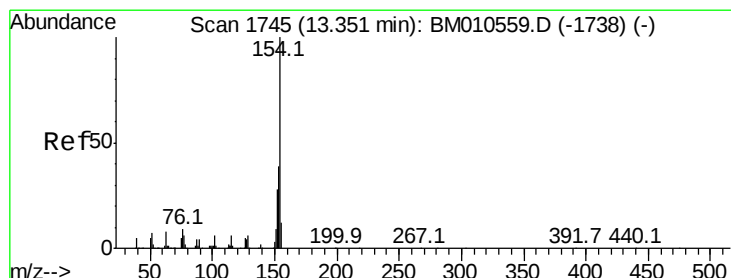
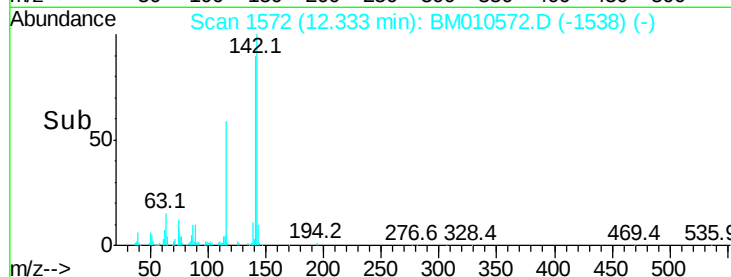
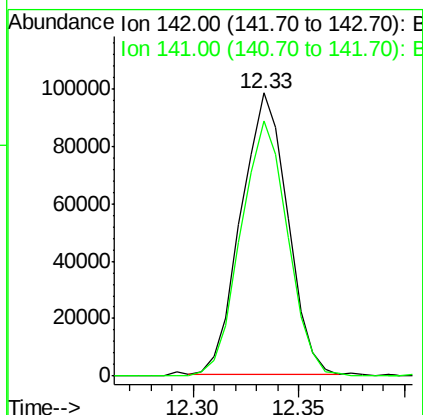
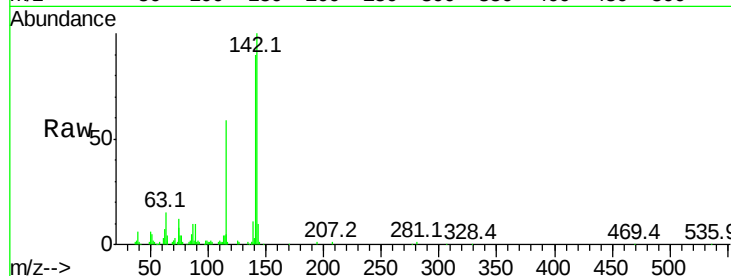




#34
2-Methylnaphthalene
Concen: 11.63 ng/ul
RT: 12.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BM010572.D
Acq: 13 Jun 2017 22:21

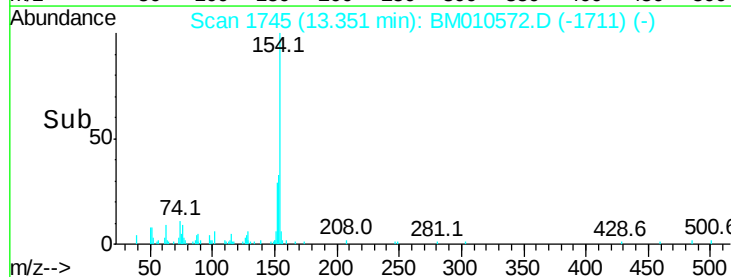
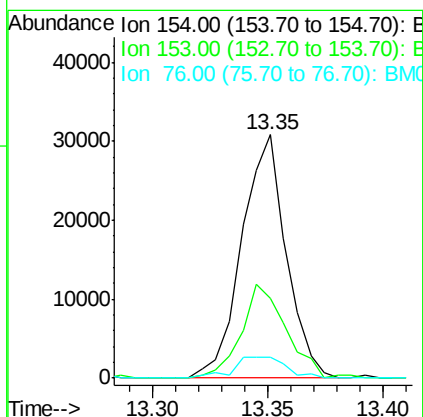
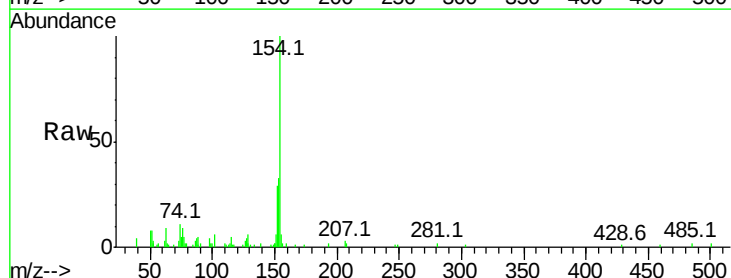
Instrument :
BNA_M
ClientSampled :

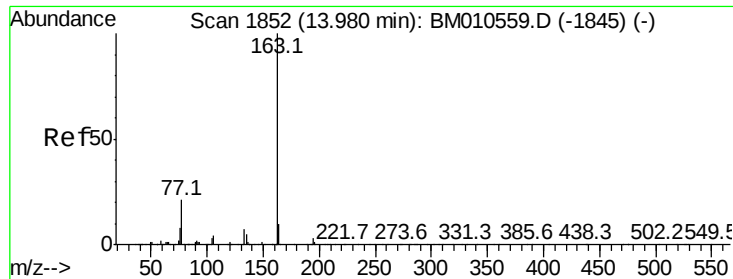
Tot Ion:142 Resp: 150636
Ion Ratio Lower Upper
142 100
141 90.0 74.1 111.1



#40
1,1'-Biphenyl
Concen: 2.24 ng/ul
RT: 13.35 min Scan# 1745
Delta R.T. -0.00 min
Lab File: BM010572.D
Acq: 13 Jun 2017 22:21

Tgt Ion:154 Resp: 41292
Ion Ratio Lower Upper
154 100
153 33.0 32.6 48.8
76 8.7 8.5 12.7





#44

Dimethylphthalate

Concen: 2.55 ng/ul

RT: 13.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

Instrument :

BNA_M

ClientSampleId :

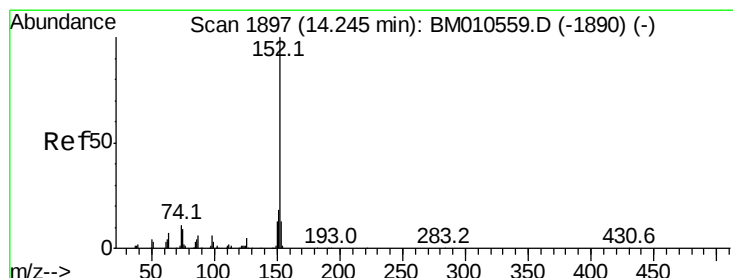
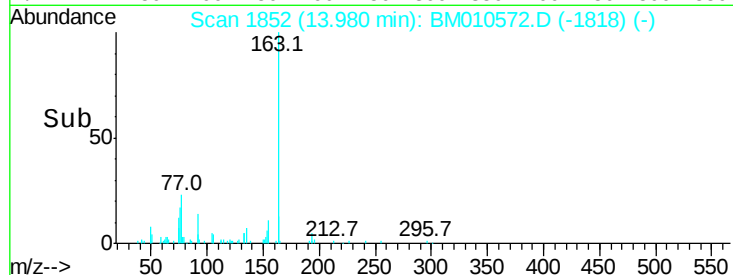
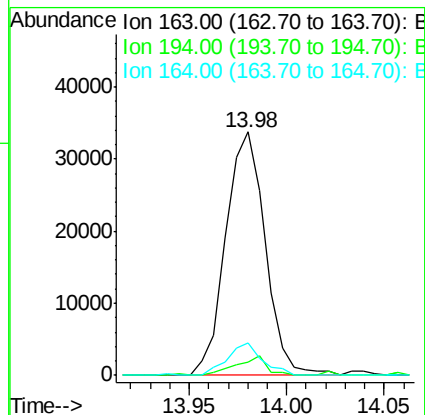
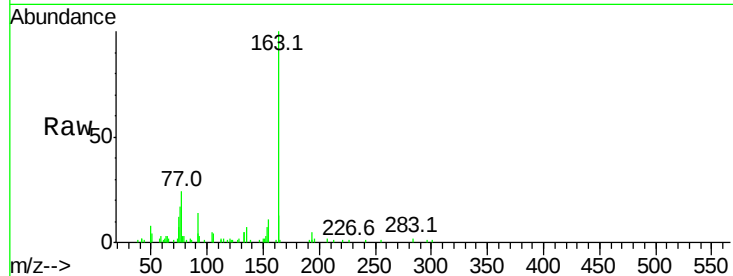
Tot Ion:163 Resp: 47457

Ion Ratio Lower Upper

163 100

194 5.5 3.5 5.3#

164 13.4 8.2 12.4#



#47

Acenaphthylene

Concen: 13.91 ng/ul

RT: 14.24 min Scan# 1897

Delta R.T. -0.00 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

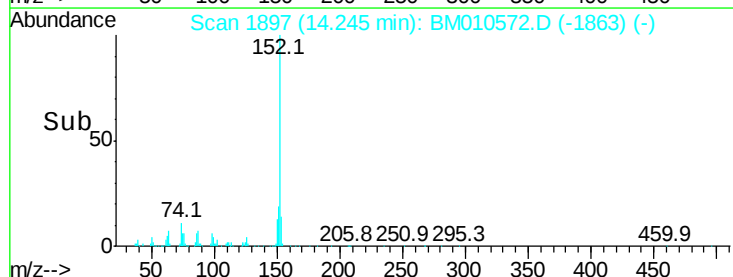
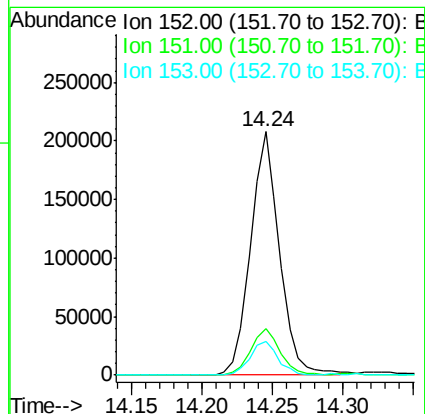
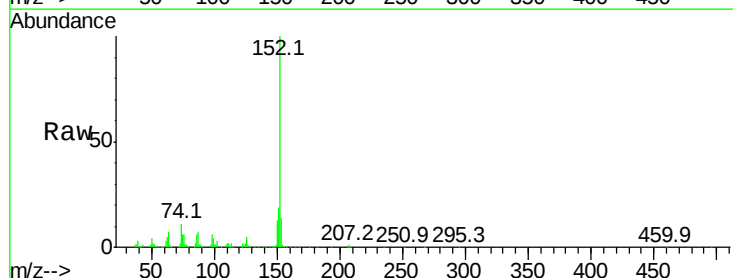
Tgt Ion:152 Resp: 299556

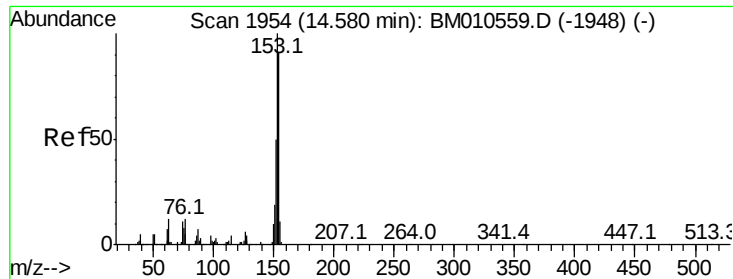
Ion Ratio Lower Upper

152 100

151 18.9 16.3 24.5

153 14.1 10.2 15.4





#49

Acenaphthene

Concen: 4.33 ng/ul

RT: 14.58 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

Instrument :

BNA_M

ClientSampleId :

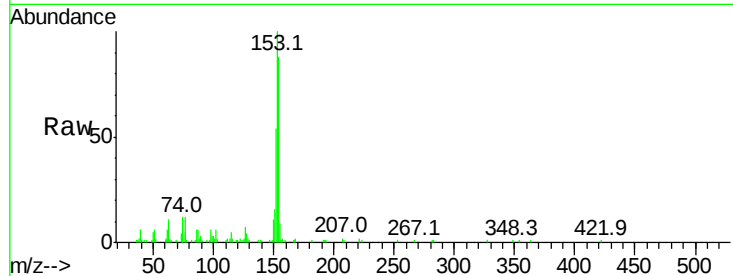
Tot Ion:153 Resp: 65441

Ion Ratio Lower Upper

153 100

152 54.1 37.6 56.4

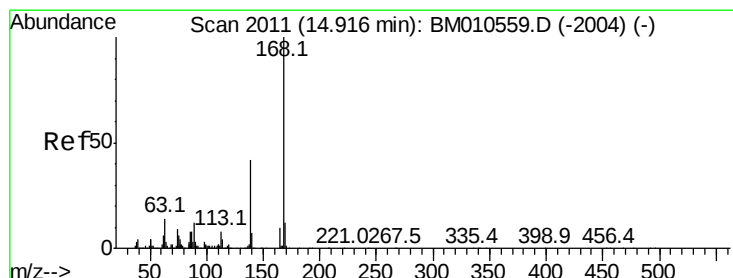
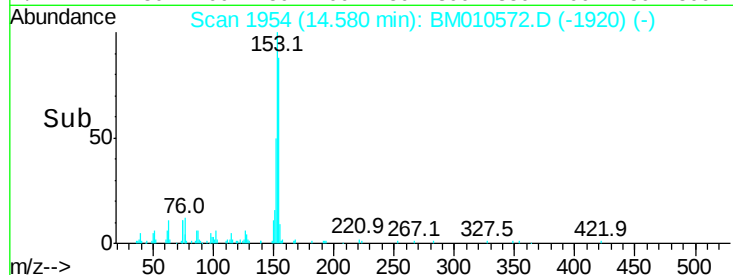
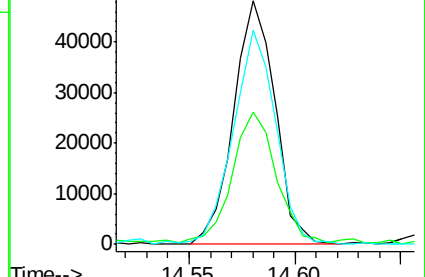
154 88.1 70.4 105.6



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



#53

Dibenzofuran

Concen: 14.24 ng/ul

RT: 14.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BM010572.D

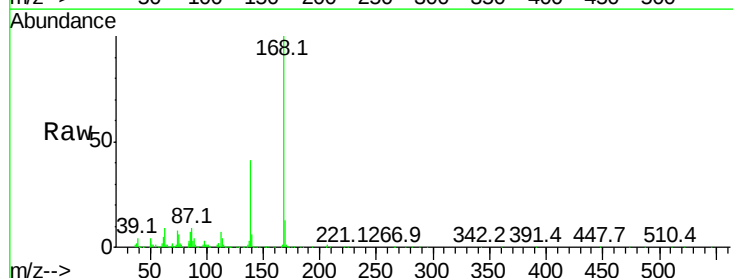
Acq: 13 Jun 2017 22:21

Tgt Ion:168 Resp: 318046

Ion Ratio Lower Upper

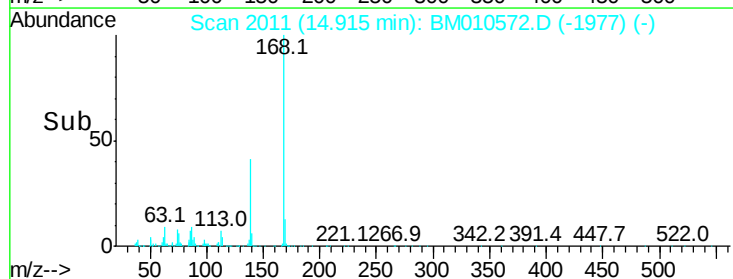
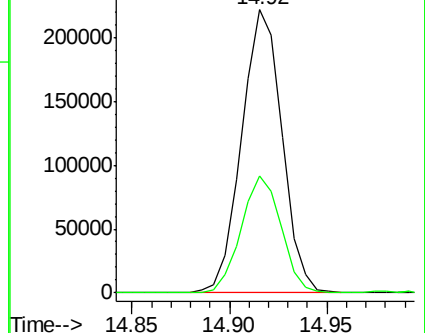
168 100

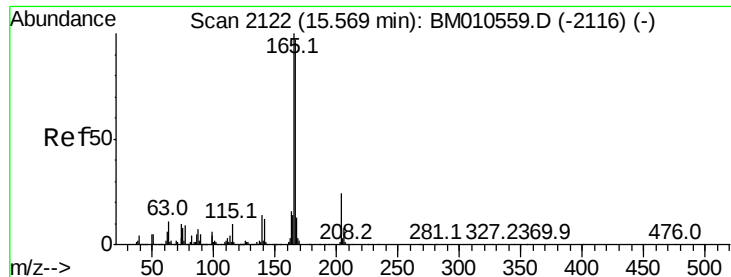
139 41.4 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

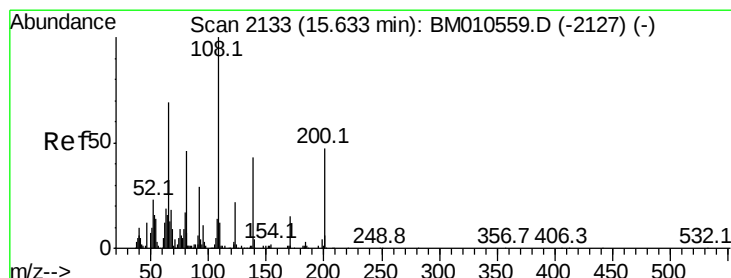
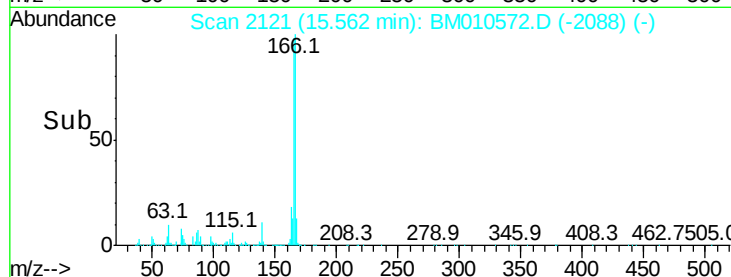
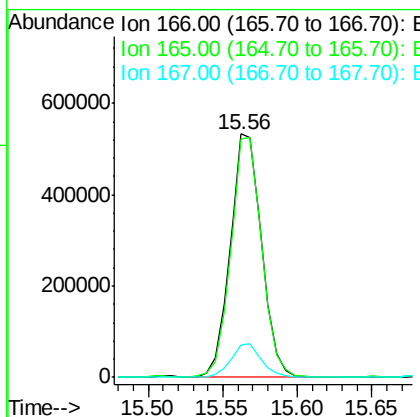
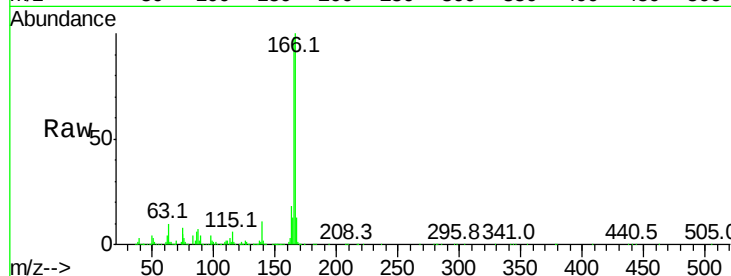




#58
 Fluorene
 Concen: 42.52 ng/ul
 RT: 15.56 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BM010572.D
 Acq: 13 Jun 2017 22:21

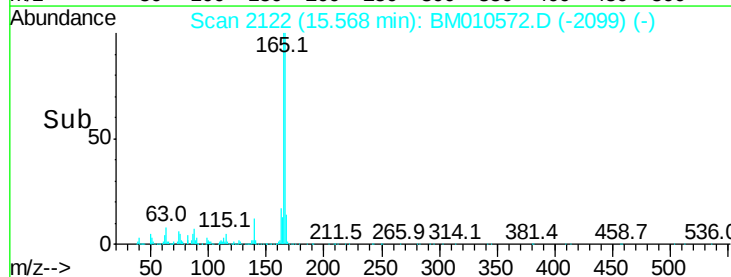
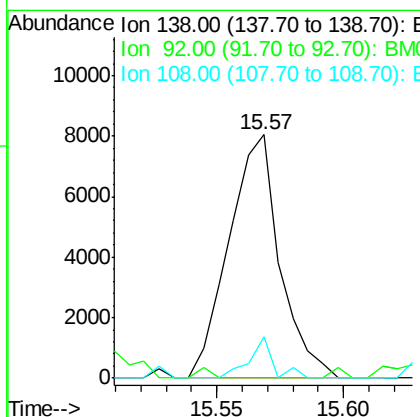
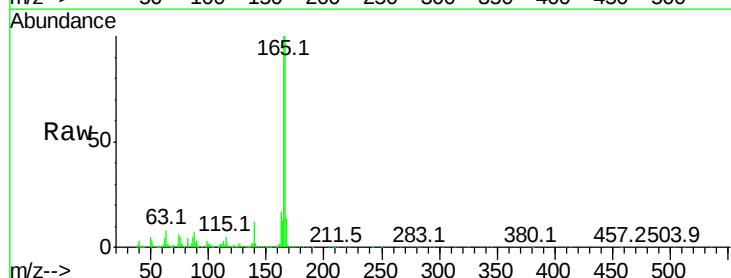
Instrument :
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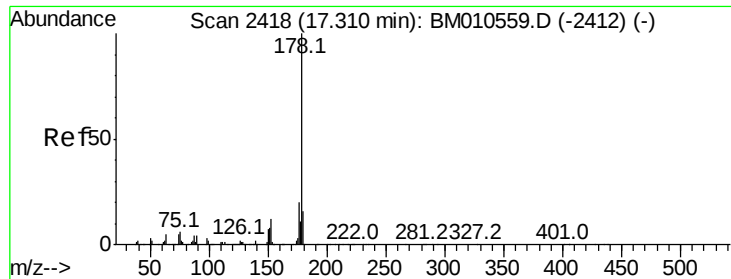
Tot Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.9	116.9
167	13.4	10.6	16.0



#60
 4-Nitroaniline
 Concen: 3.28 ng/ul
 RT: 15.57 min Scan# 2122
 Delta R.T. -0.06 min
 Lab File: BM010572.D
 Acq: 13 Jun 2017 22:21

Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	52.7	79.1#
108	17.0	140.4	210.6#





#69

Phenanthrene

Concen: 95.28 ng/ul

RT: 17.32 min Scan# 2419

Delta R.T. 0.01 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

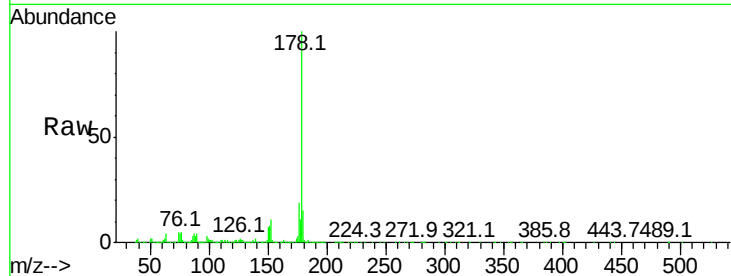
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 3089403

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

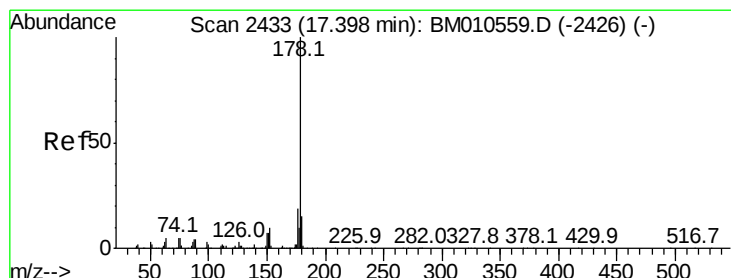
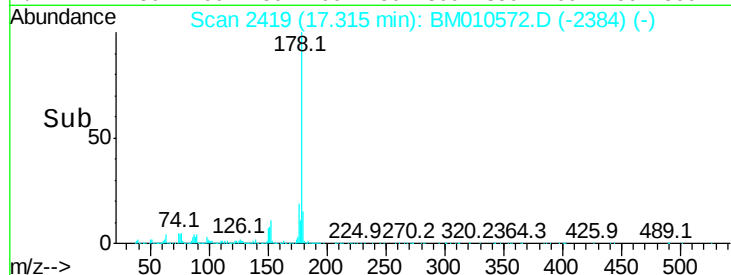
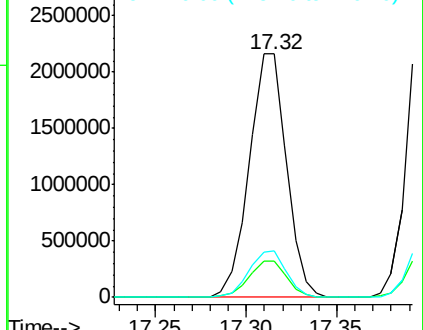


Abundance

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



#71

Anthracene

Concen: 91.27 ng/ul

RT: 17.32 min Scan# 2419

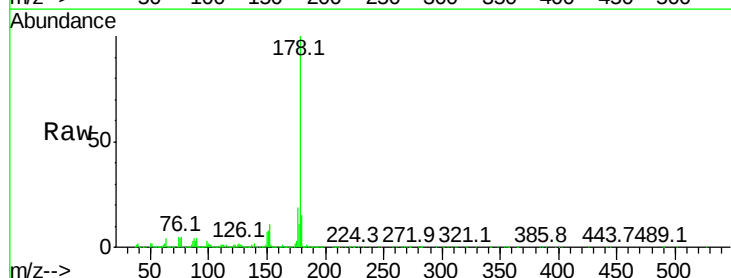
Delta R.T. -0.08 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

Tgt Ion:178 Resp: 3089403

Ion	Ratio	Lower	Upper
178	100		
179	14.9	11.7	17.5
176	19.3	14.6	21.8

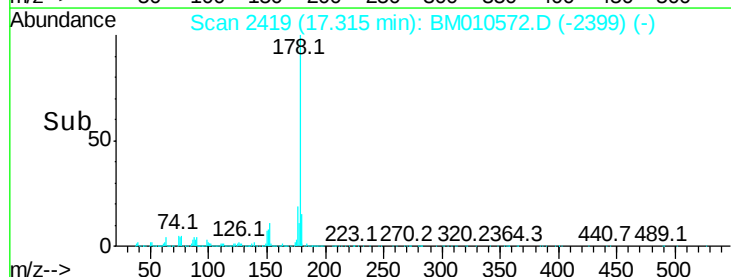
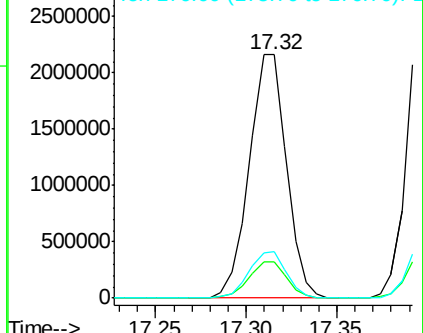


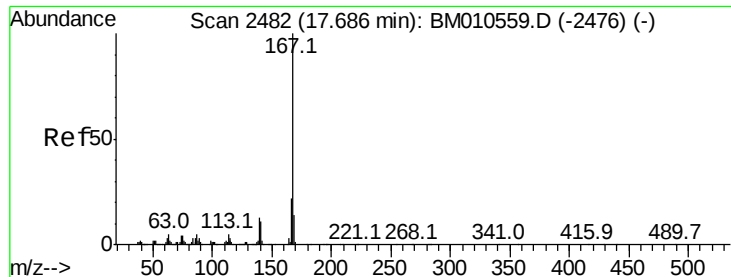
Abundance

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





#72

Carbazole

Concen: 285.94 ng/ul

RT: 17.70 min Scan# 2484

Delta R.T. 0.01 min

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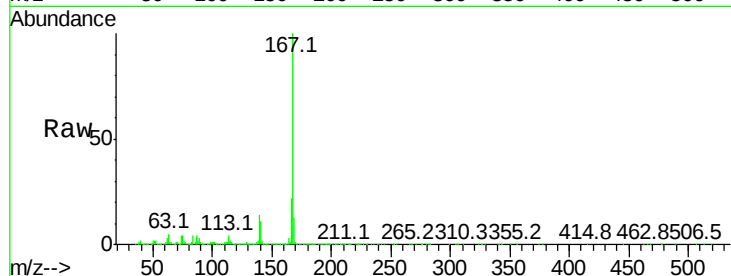
Tot Ion:167 Resp: 8192488

Ion Ratio Lower Upper

167 100

166 22.1 17.1 25.7

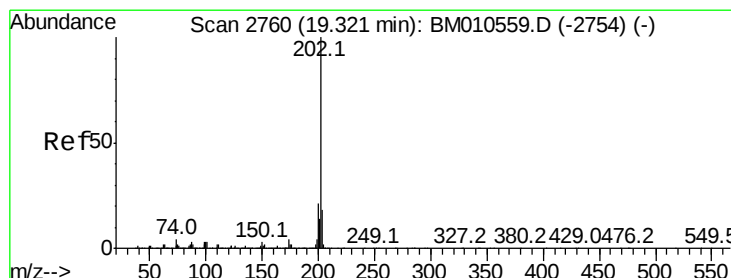
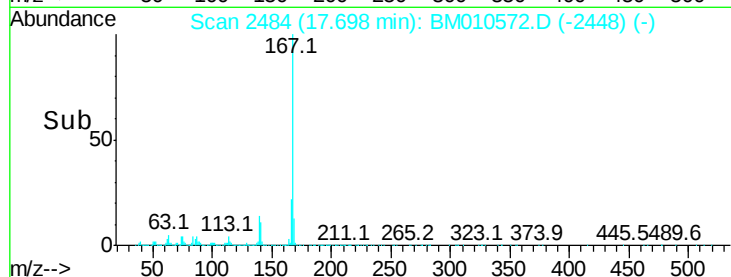
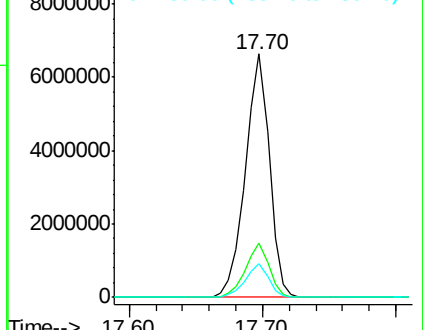
139 13.6 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 288.47 ng/ul

RT: 19.33 min Scan# 2761

Delta R.T. 0.01 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

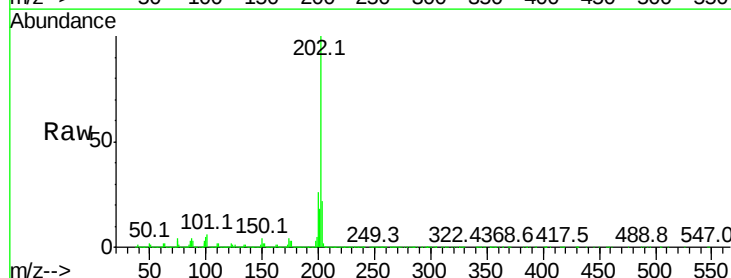
Tgt Ion:202 Resp:11501944

Ion Ratio Lower Upper

202 100

101 5.9 4.6 7.0

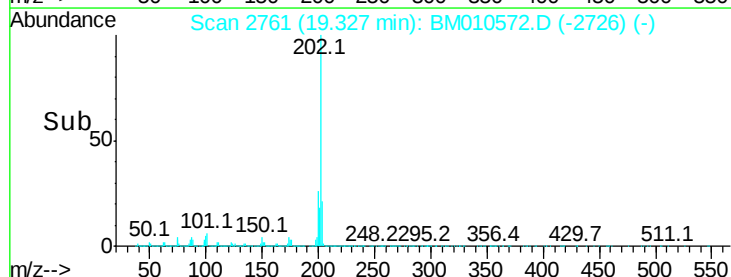
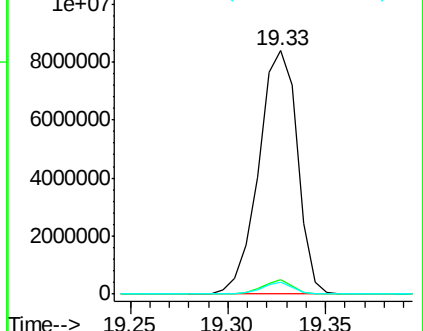
100 4.8 3.4 5.2

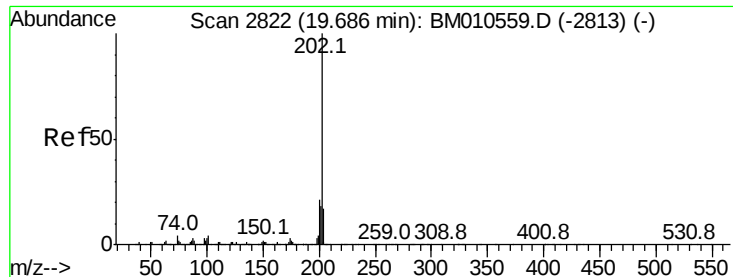


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 197.13 ng/ul

RT: 19.69 min Scan# 2823

Delta R.T. 0.01 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

Instrument :

BNA_M

ClientSampleId :

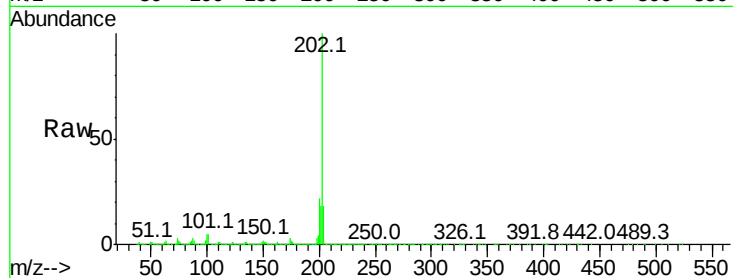
Tot Ion:202 Resp:10308817

Ion Ratio Lower Upper

202 100

101 5.1 5.1 7.7#

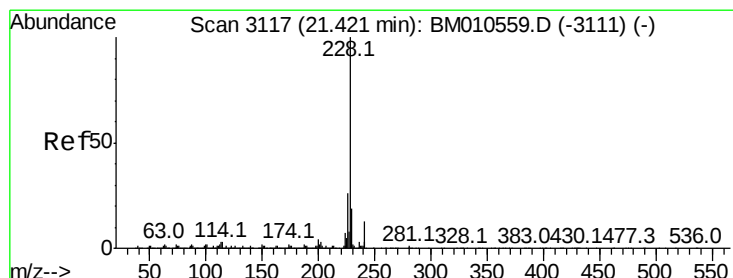
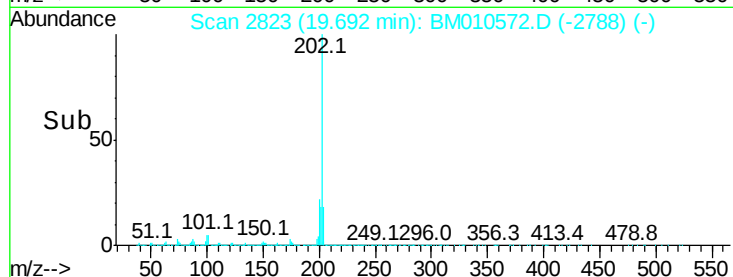
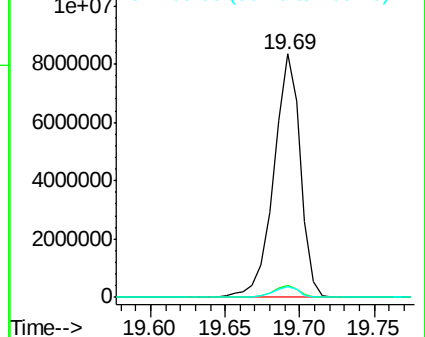
100 4.6 4.9 7.3#



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): E



#80

Benzo(a)anthracene

Concen: 85.10 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. -0.00 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

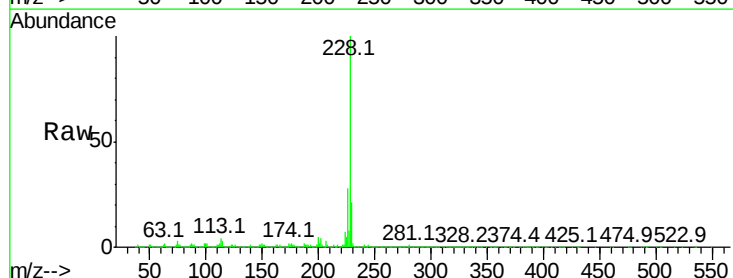
Tgt Ion:228 Resp: 4870126

Ion Ratio Lower Upper

228 100

229 20.7 15.4 23.0

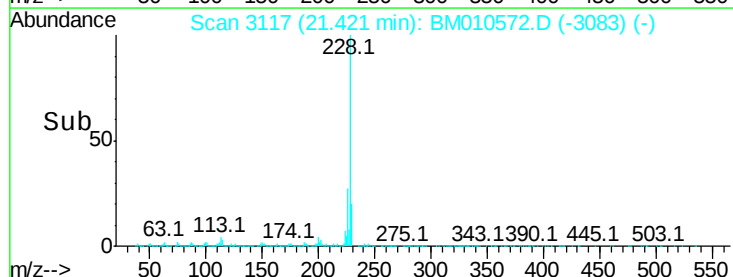
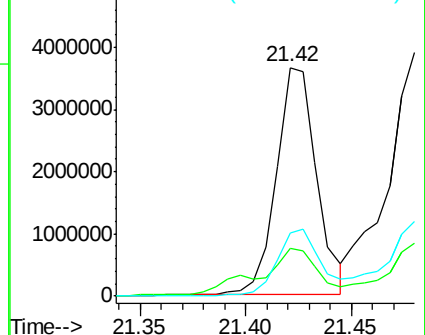
226 27.7 21.4 32.0

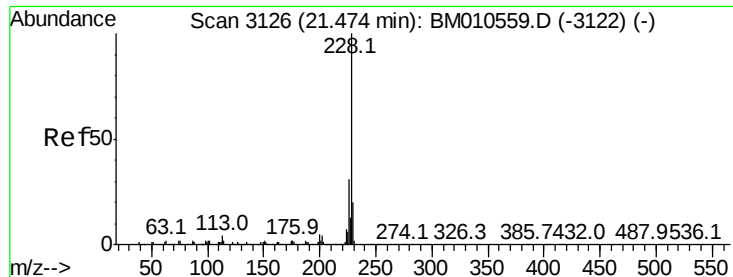


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

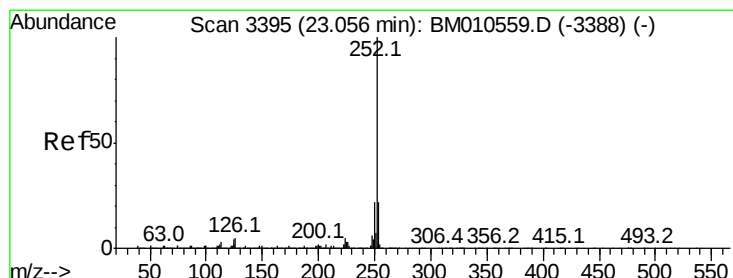
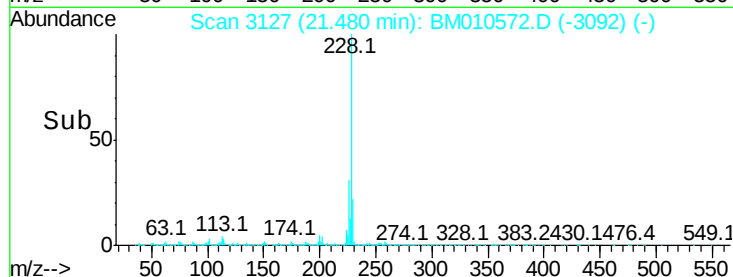
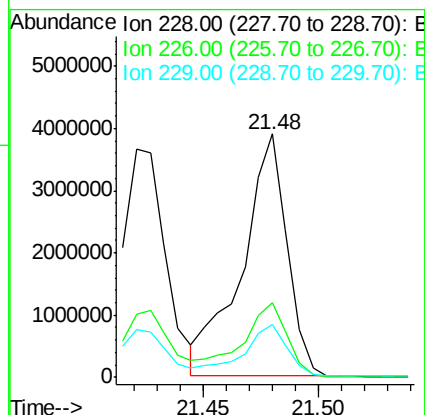
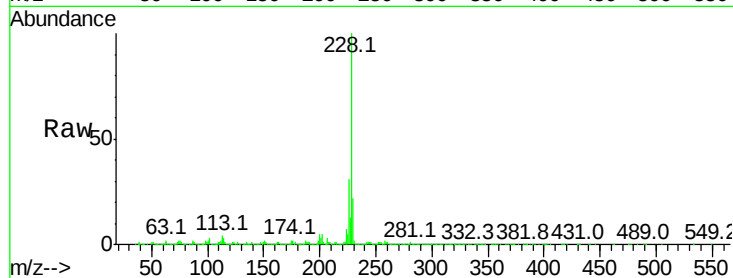




#82
Chrysene
Concen: 102.55 ng/ul
RT: 21.48 min Scan# 3127
Delta R.T. 0.01 min
Lab File: BM010572.D
Acq: 13 Jun 2017 22:21

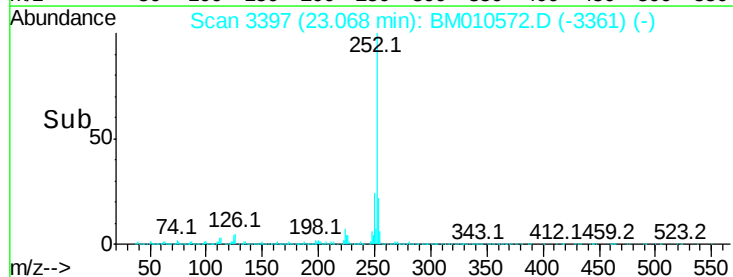
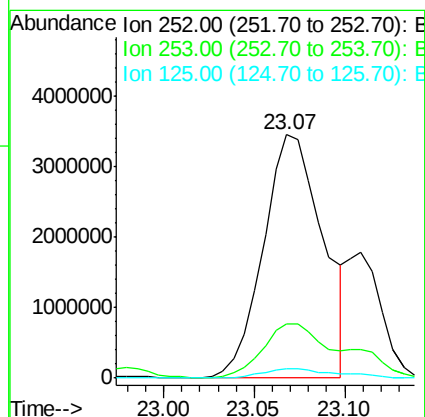
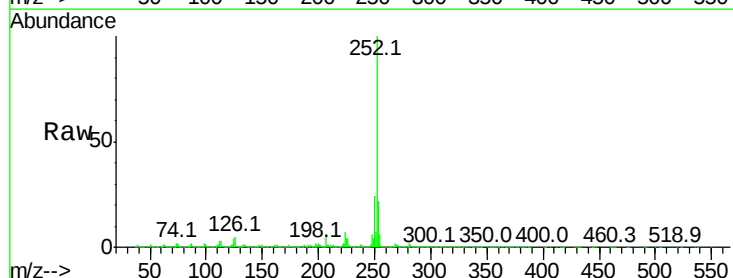
Instrument :
BNA_M
ClientSampled :

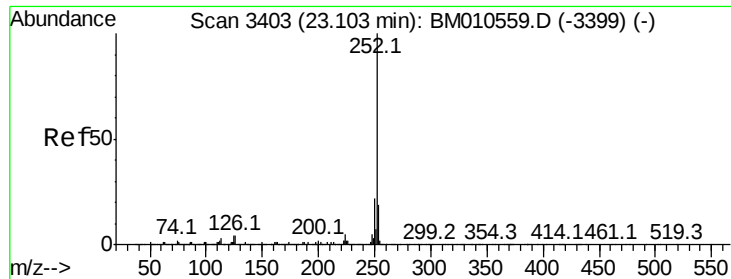
Tot Ion:228 Resp: 5304981
Ion Ratio Lower Upper
228 100
226 30.8 23.4 35.2
229 21.9 15.5 23.3



#85
Benzo(b)fluoranthene
Concen: 136.22 ng/ul
RT: 23.07 min Scan# 3397
Delta R.T. 0.01 min
Lab File: BM010572.D
Acq: 13 Jun 2017 22:21

Tgt Ion:252 Resp: 7899656
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 3.7 3.6 5.4

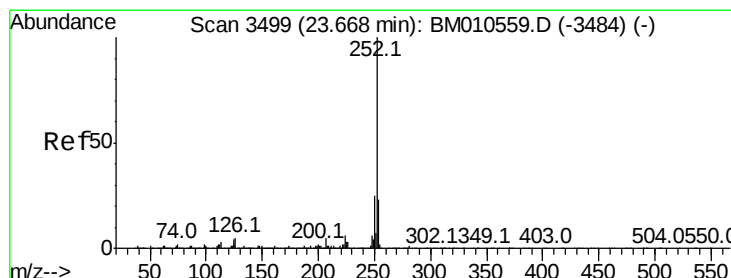
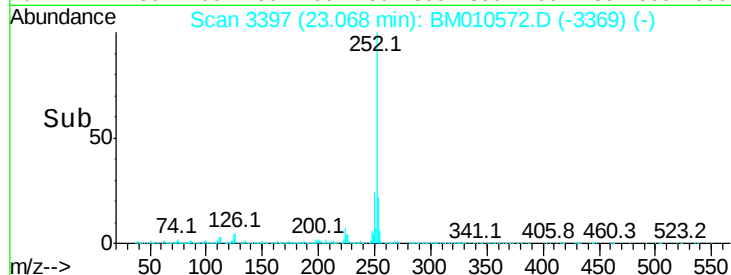
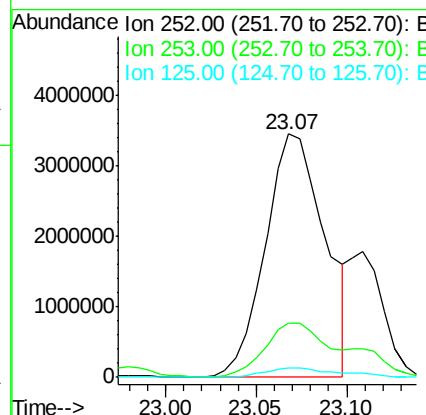
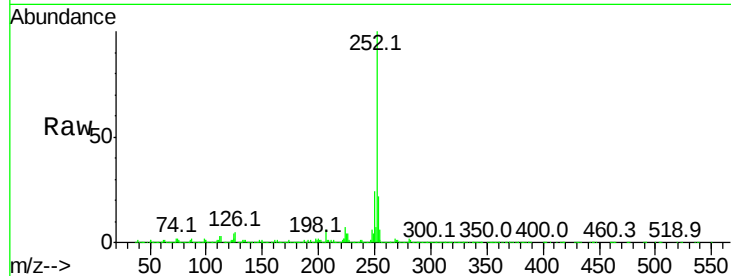




#86
Benzo(k)fluoranthene
Concen: 142.59 ng/ul
RT: 23.07 min Scan# 3397
Delta R.T. -0.04 min
Lab File: BM010572.D
Acq: 13 Jun 2017 22:21

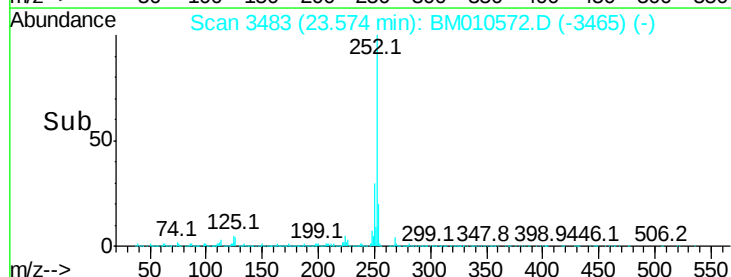
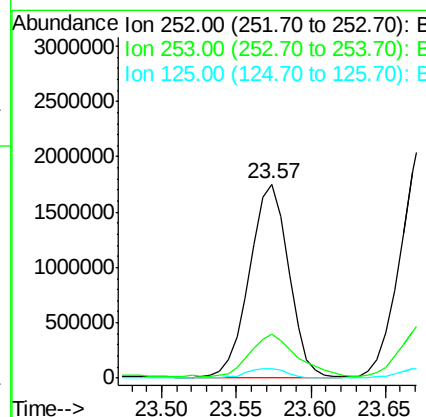
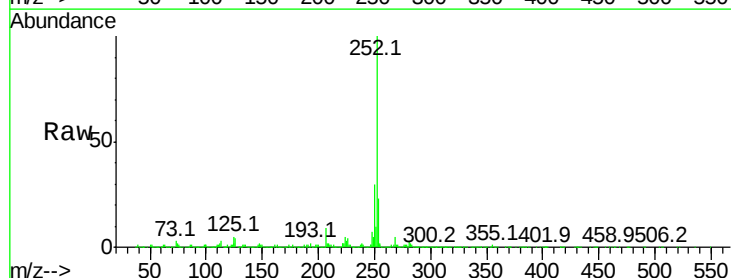
Instrument :
BNA_M
ClientSampleId :

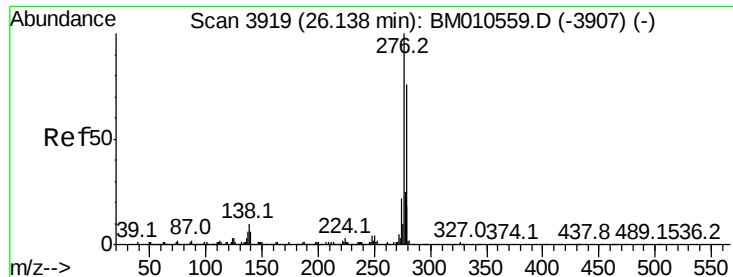
Tot Ion:252 Resp: 7899656
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 3.7 3.4 5.2



#88
Benzo(a)pyrene
Concen: 55.09 ng/ul
RT: 23.57 min Scan# 3483
Delta R.T. -0.09 min
Lab File: BM010572.D
Acq: 13 Jun 2017 22:21

Tgt Ion:252 Resp: 3166726
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 5.0 4.0 6.0



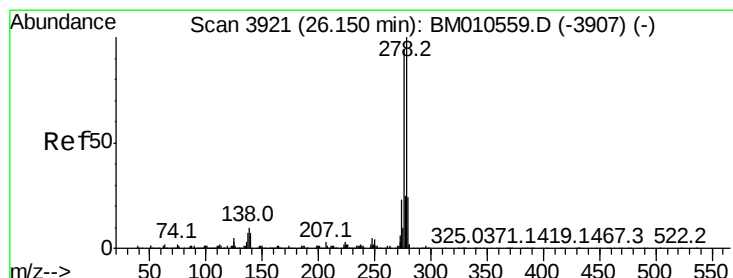
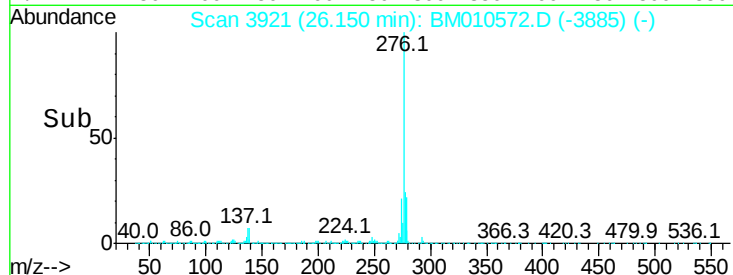
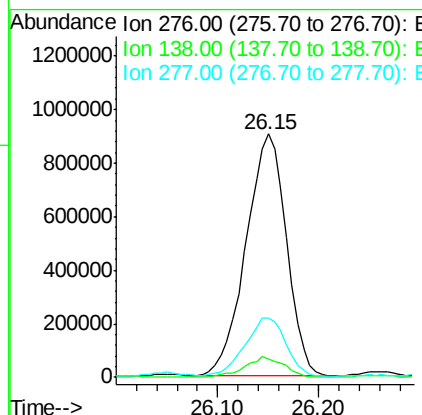
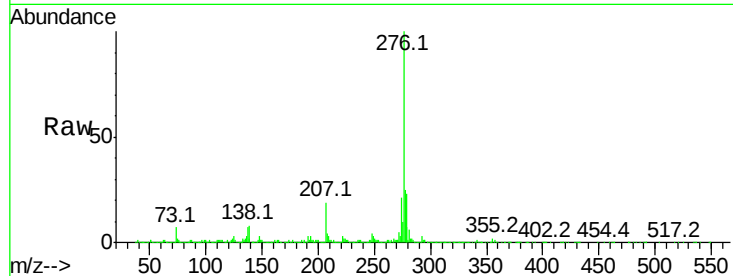


#89
 Indeno(1,2,3-cd)pyrene
 Concen: 34.67 ng/ul
 RT: 26.15 min Scan# 3921
 Delta R.T. 0.01 min
 Lab File: BM010572.D
 Acq: 13 Jun 2017 22:21

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:276 Resp: 2518063

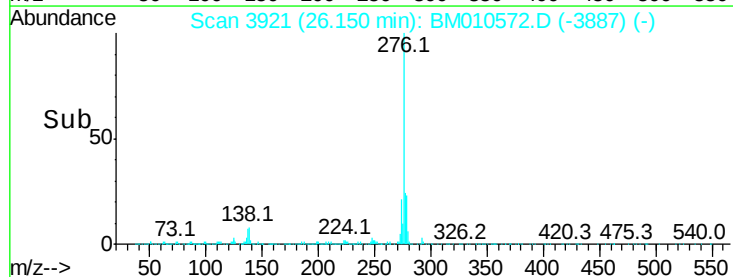
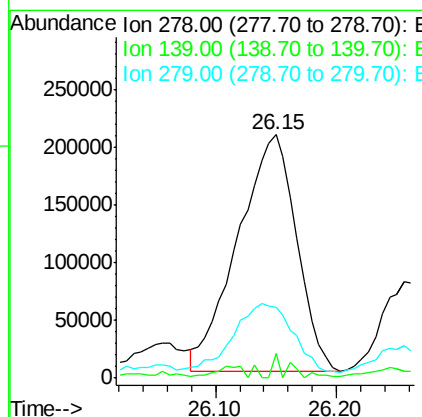
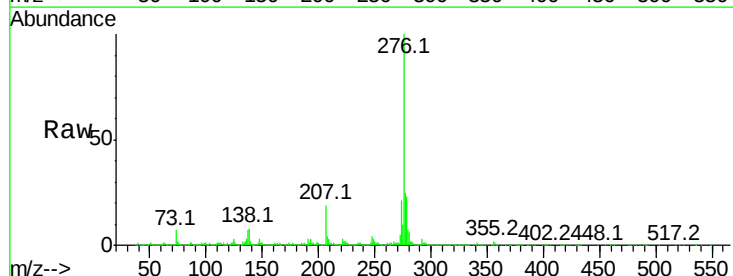
Ion	Ratio	Lower	Upper
276	100		
138	7.7	9.3	13.9#
277	24.6	19.9	29.9

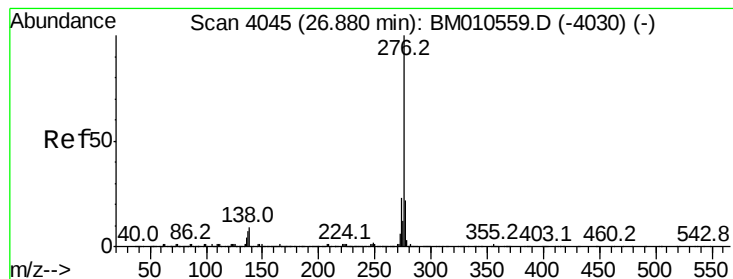


#90
 Dibenzo(a,h)anthracene
 Concen: 10.99 ng/ul
 RT: 26.15 min Scan# 3921
 Delta R.T. -0.00 min
 Lab File: BM010572.D
 Acq: 13 Jun 2017 22:21

Tgt Ion:278 Resp: 687272

Ion	Ratio	Lower	Upper
278	100		
139	10.1	5.8	8.8#
279	28.9	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 29.44 ng/ul

RT: 26.89 min Scan# 4047

Delta R.T. 0.01 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

Instrument :

BNA_M

ClientSampleId :

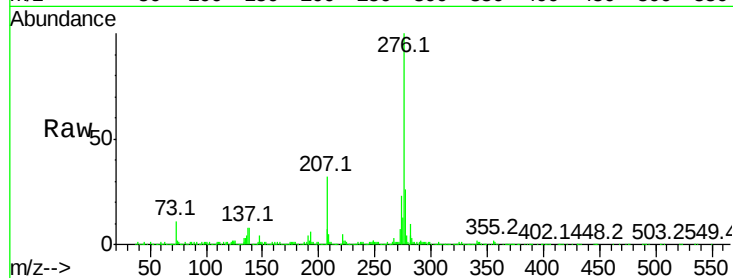
Tot Ion:276 Resp: 1761628

Ion Ratio Lower Upper

276 100

138 8.3 8.5 12.7#

277 26.0 18.6 28.0



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

