

Data Path : Z:\HPCHEM1\BNA M\DATA\BM061317\
 Data File : BM010563.D
 Acq On : 13 Jun 2017 16:53
 Operator : SJ/MA
 Sample : I3521-10ME
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 14 01:47:37 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	97289	20.00	ng/ul	0.00
18) Naphthalene-d8	10.68	136	317138	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	225525	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	609103	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	948205	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	968134	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	8866	3.74	ng/uL	0.00
5) Phenol-d5	7.07	99	128145	17.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.22	67	74276	17.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	119891	20.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.60	113	109246	18.37	ng/ul	0.00
19) Nitrobenzene-d5	9.07	128	49308	21.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.78	143	61764	22.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.31	165	138716	25.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.85	131	122265	22.92	ng/ul	0.00
43) Dimethylphthalate-d6	13.93	166	467115	24.93	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	509220	23.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	51330	18.31	ng/ul	0.00
57) Fluorene-d10	15.51	176	423226	25.69	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.64	200	82436	19.11	ng/ul	0.00
70) Anthracene-d10	17.37	188	722284	24.37	ng/ul	0.00
76) Pyrene-d10	19.66	212	965555	24.63	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.61	264	1098763	24.38	ng/ul	0.00

Target Compounds

					Ovalue	
15) N-Nitroso-di-n-propylamine	8.60	70	5948	1.23	ng/ul#	1
21) Isophorone	9.77	82	11459	1.12	ng/ul#	68
28) Naphthalene	10.74	128	3535679	222.27	ng/ul	99
30) 4-Chloroaniline	10.74	127	472782	91.84	ng/ul#	25
34) 2-Methylnaphthalene	12.34	142	1240530	102.86	ng/ul	97
40) 1,1'-Biphenyl	13.35	154	362349	19.81	ng/ul	98
44) Dimethylphthalate	13.98	163	58292	3.16	ng/ul#	95
47) Acenaphthylene	14.24	152	38690	1.81	ng/ul#	90
49) Acenaphthene	14.59	153	1044551	69.72	ng/ul	98
53) Dibenzofuran	14.92	168	1424362	64.30	ng/ul	93
58) Fluorene	15.57	166	1397033	76.88	ng/ul	95
69) Phenanthrene	17.32	178	7820622	240.51	ng/ul	99
71) Anthracene	17.40	178	663016	19.53	ng/ul	97
72) Carbazole	17.69	167	317570	11.05	ng/ul	95
74) Fluoranthene	19.32	202	4503109	112.61	ng/ul#	95
77) Pyrene	19.69	202	2816201	57.64	ng/ul#	93
80) Benzo(a)anthracene	21.42	228	899000	16.81	ng/ul	99
82) Chrysene	21.47	228	738928	15.29	ng/ul	98
85) Benzo(b)fluoranthene	23.06	252	476922	8.47	ng/ul#	98
86) Benzo(k)fluoranthene	23.06	252	476922	8.86	ng/ul#	98
88) Benzo(a)pyrene	23.66	252	289094	5.18	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	26.13	276	112020	1.59	ng/ul#	89

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 14 01:46:30 2017
Response via : Initial Calibration

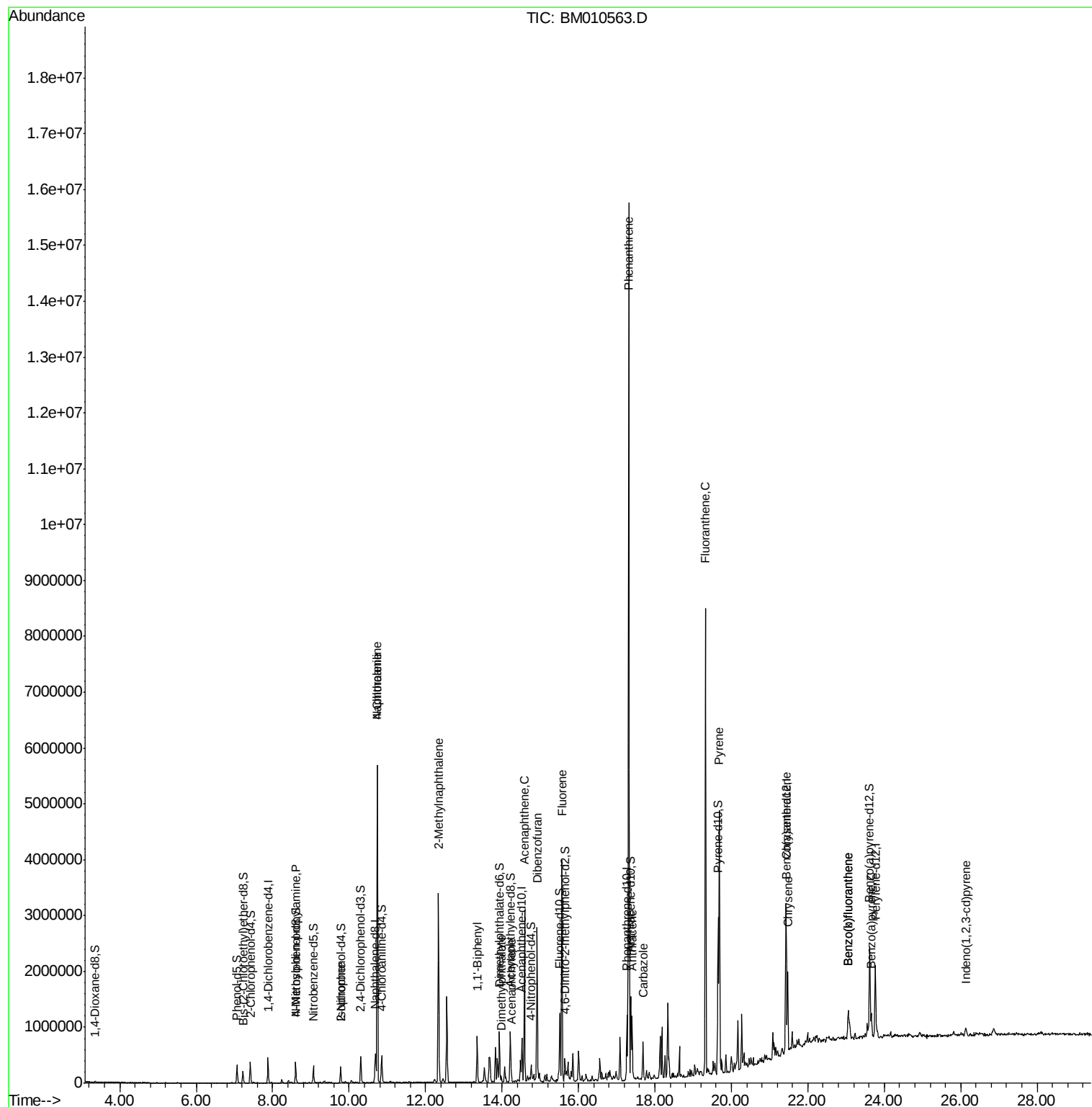
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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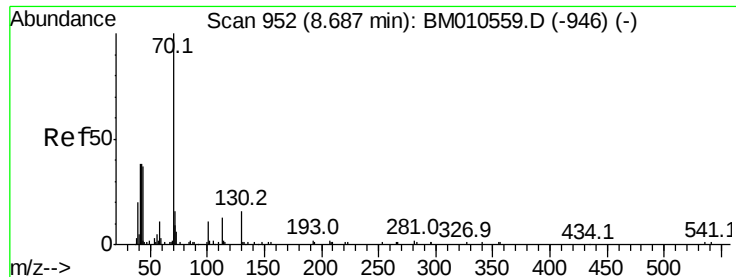
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 14 01:46:30 2017
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#15

N-Nitroso-di-n-propylamine

Concen: 1.23 ng/ul

RT: 8.60 min Scan# 937

Delta R.T. -0.09 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 70 Resp: 5948

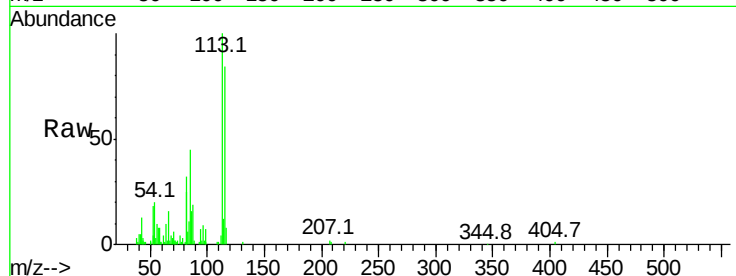
Ion Ratio Lower Upper

70 100

42 227.8 41.1 61.7#

101 0.0 6.7 10.1#

130 0.0 14.6 22.0#

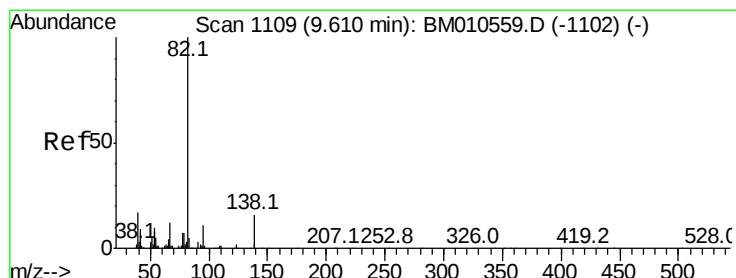
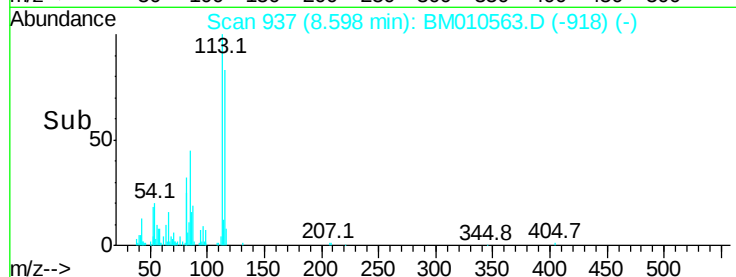
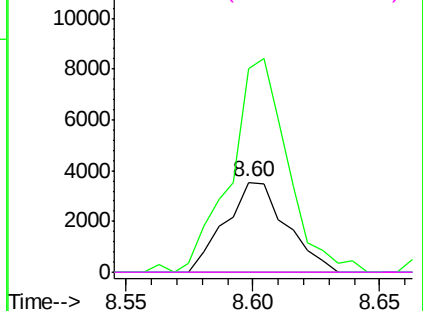


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Isophorone

Concen: 1.12 ng/ul

RT: 9.77 min Scan# 1137

Delta R.T. 0.16 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

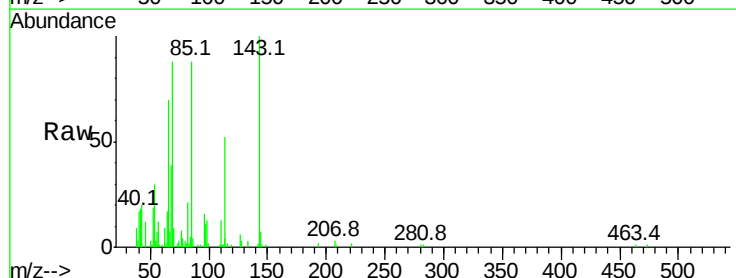
Tgt Ion: 82 Resp: 11459

Ion Ratio Lower Upper

82 100

95 0.0 7.8 11.8#

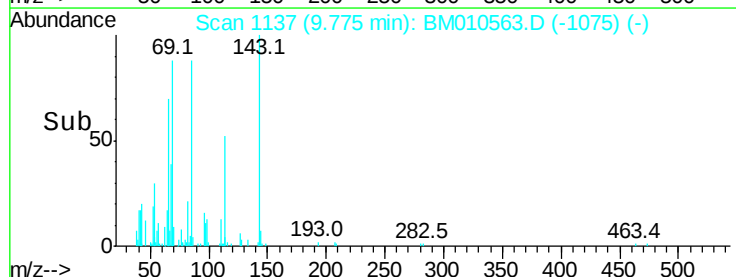
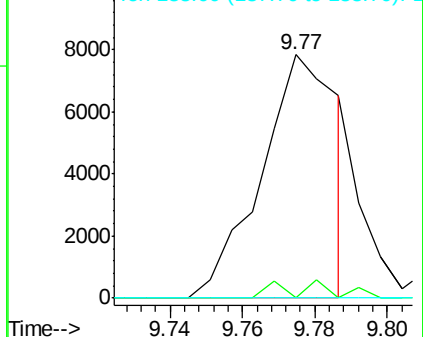
138 0.0 11.9 17.9#

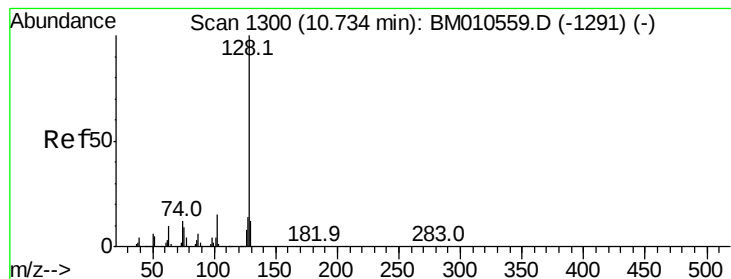


Abundance Ion 82.00 (81.70 to 82.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 138.00 (137.70 to 138.70): E





#28

Naphthalene

Concen: 222.27 ng/ul

RT: 10.74 min Scan# 1301

Delta R.T. 0.01 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

Instrument :

BNA_M

ClientSampled :

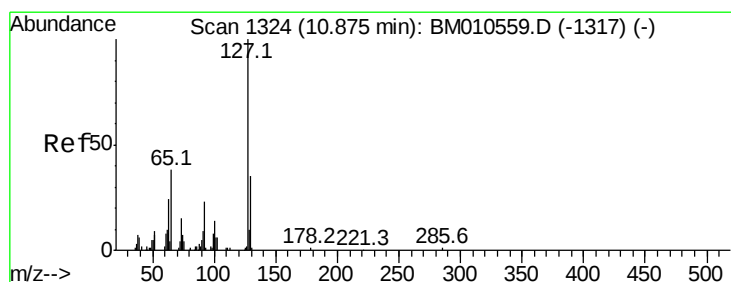
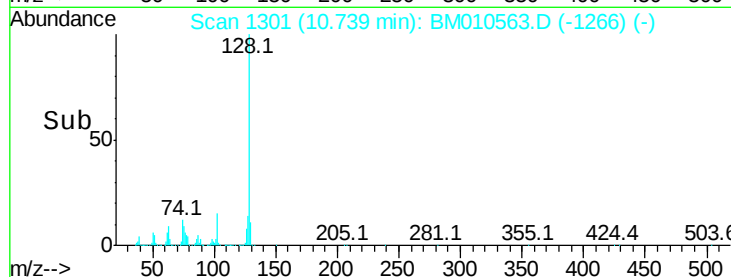
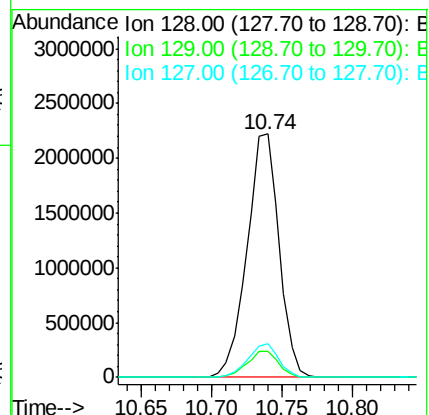
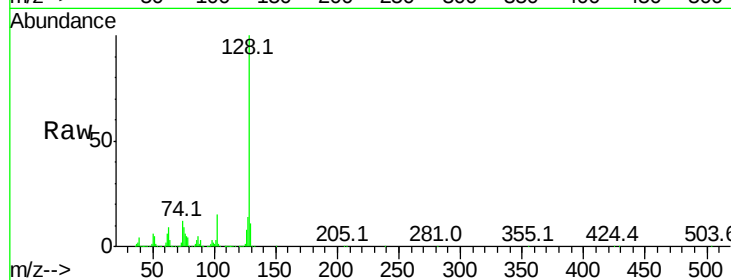
Tot Ion:128 Resp: 3535679

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 13.6 10.6 16.0



#30

4-Chloroaniline

Concen: 91.84 ng/ul

RT: 10.74 min Scan# 1301

Delta R.T. -0.14 min

Lab File: BM010563.D

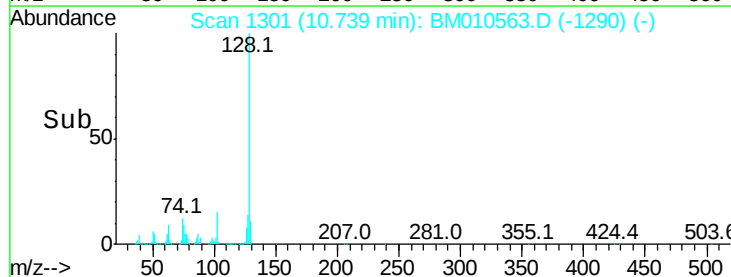
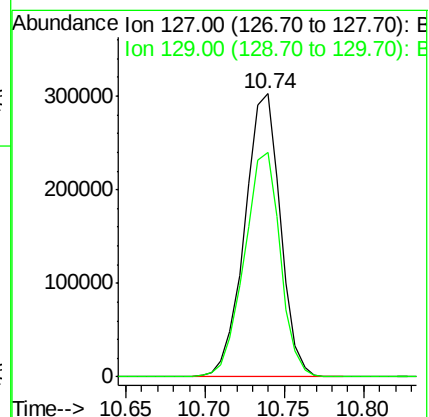
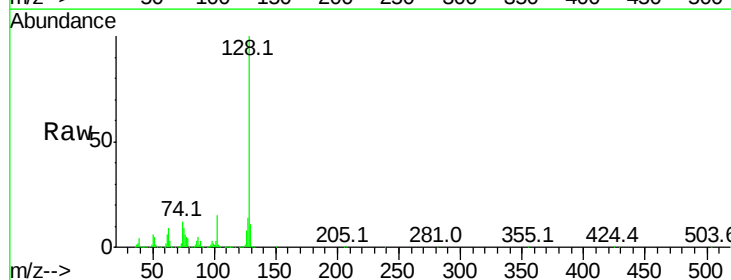
Acq: 13 Jun 2017 16:53

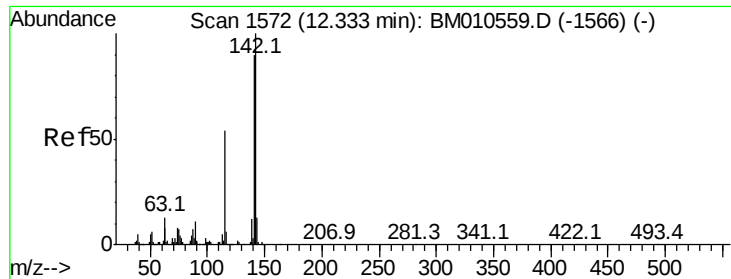
Tgt Ion:127 Resp: 472782

Ion Ratio Lower Upper

127 100

129 79.5 28.4 42.6#

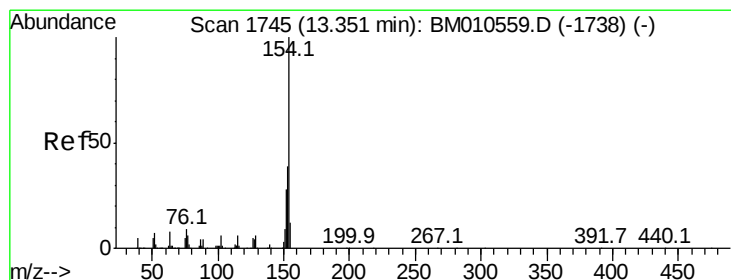
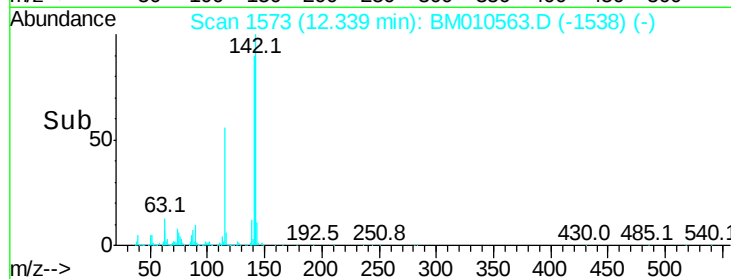
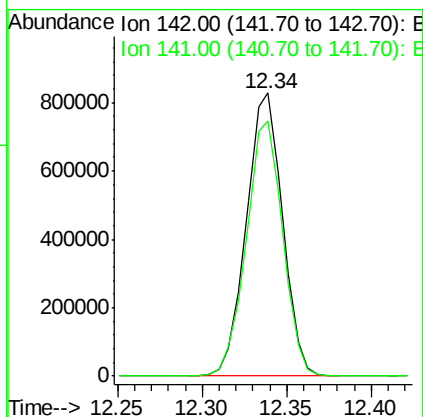
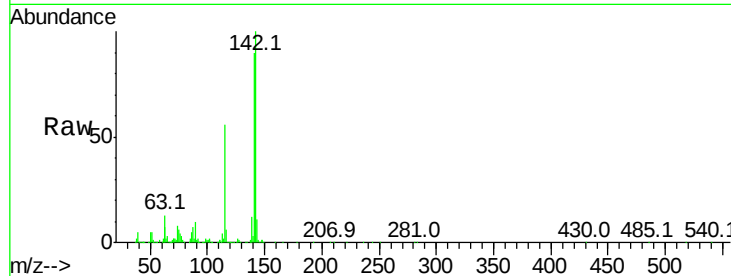




#34
 2-Methylnaphthalene
 Concen: 102.86 ng/ul
 RT: 12.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BM010563.D
 Acq: 13 Jun 2017 16:53

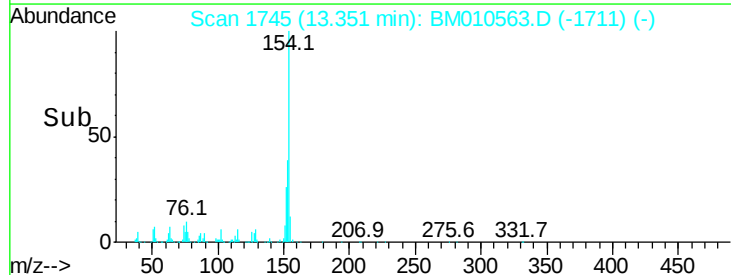
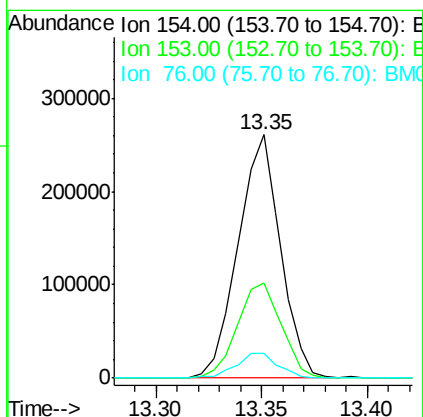
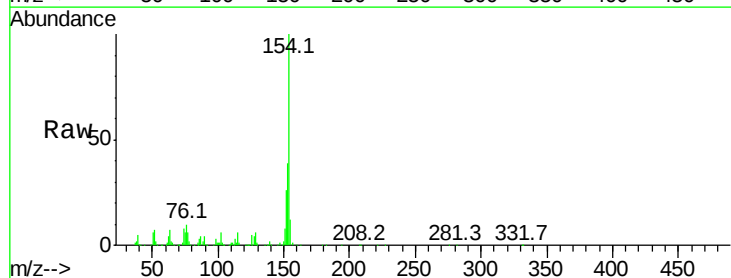
Instrument :
 BNA_M
 ClientSampled :

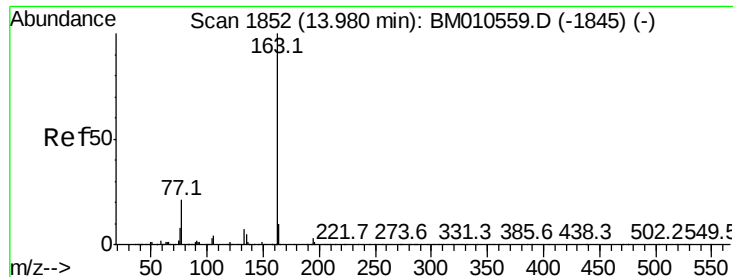
Tot Ion:142 Resp: 1240530
 Ion Ratio Lower Upper
 142 100
 141 90.0 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 19.81 ng/ul
 RT: 13.35 min Scan# 1745
 Delta R.T. -0.00 min
 Lab File: BM010563.D
 Acq: 13 Jun 2017 16:53

Tgt Ion:154 Resp: 362349
 Ion Ratio Lower Upper
 154 100
 153 39.0 32.6 48.8
 76 10.3 8.5 12.7

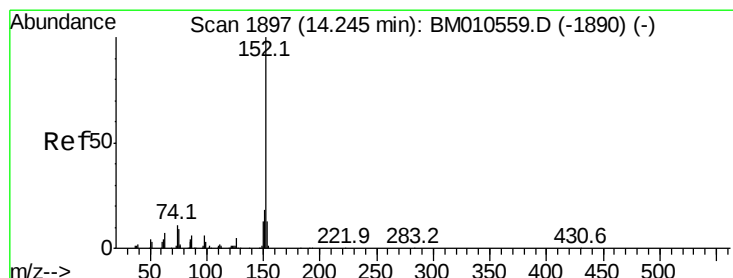
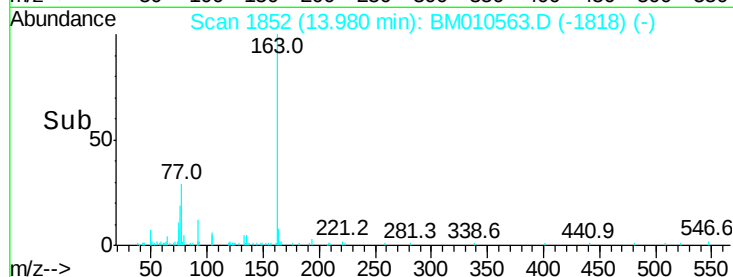
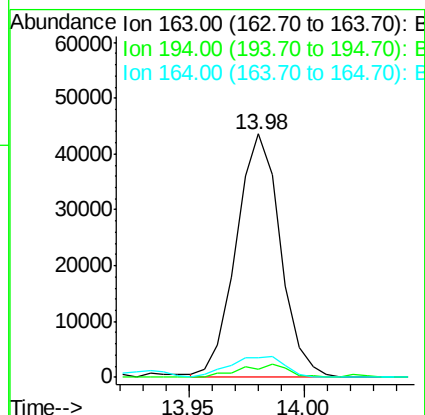
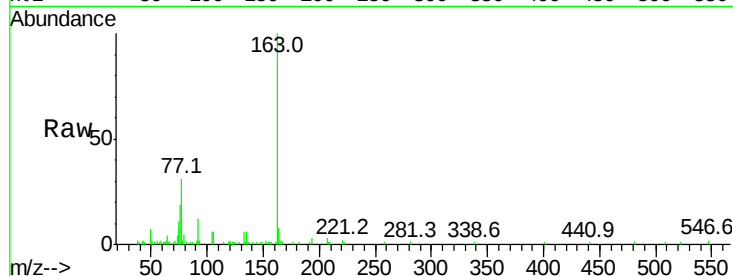




#44
Dimethylphthalate
Concen: 3.16 ng/ul
RT: 13.98 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BM010563.D
Acq: 13 Jun 2017 16:53

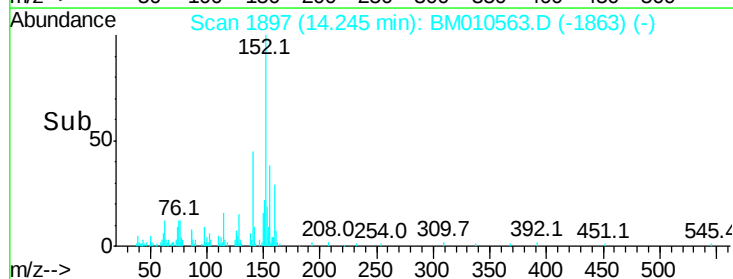
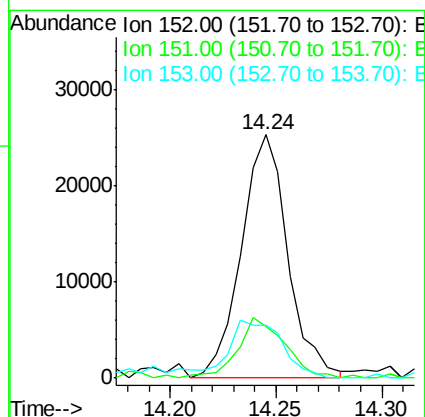
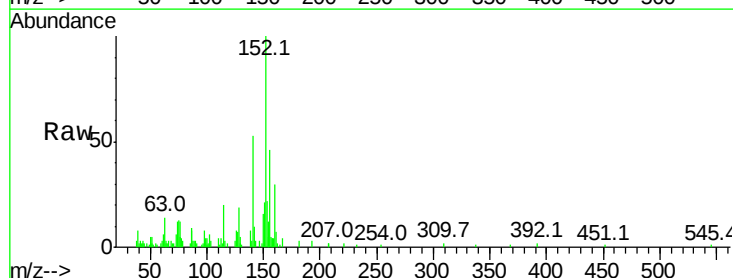
Instrument :
BNA_M
ClientSampled :

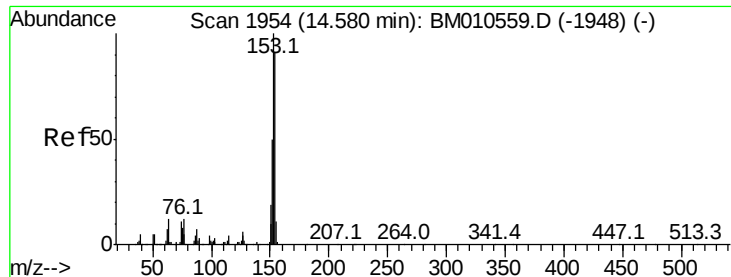
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.5	5.3#
164	8.2	8.2	12.4#



#47
Acenaphthylene
Concen: 1.81 ng/ul
RT: 14.24 min Scan# 1897
Delta R.T. -0.00 min
Lab File: BM010563.D
Acq: 13 Jun 2017 16:53

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.3	24.5
153	21.7	10.2	15.4#





#49

Acenaphthene

Concen: 69.72 ng/ul

RT: 14.59 min Scan# 1955

Delta R.T. 0.01 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

Instrument :

BNA_M

ClientSampleId :

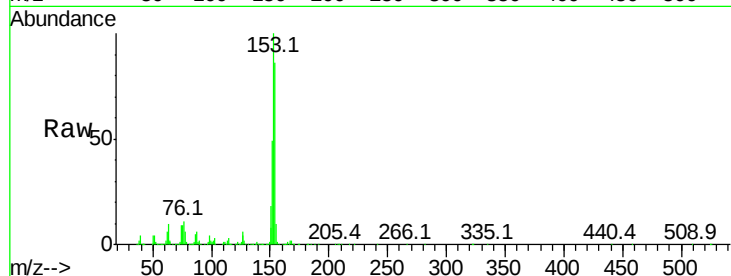
Tot Ion:153 Resp: 1044551

Ion	Ratio	Lower	Upper
153	100		
152	48.7	37.6	56.4
154	85.7	70.4	105.6

153 100

152 48.7 37.6 56.4

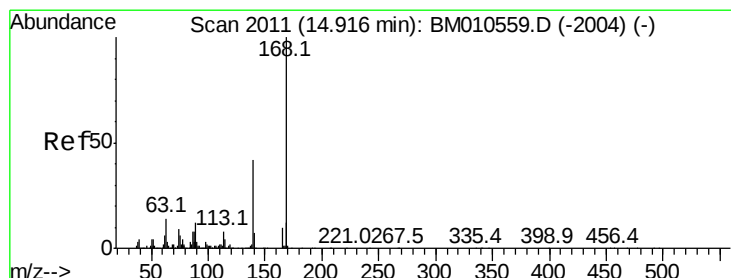
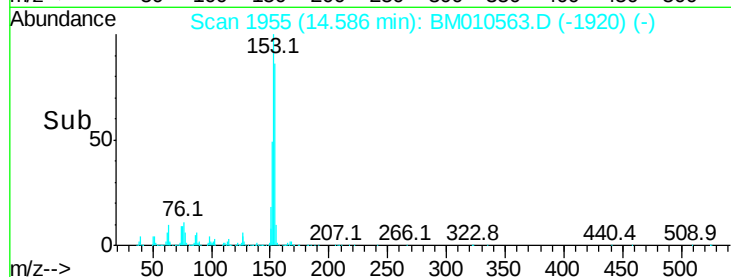
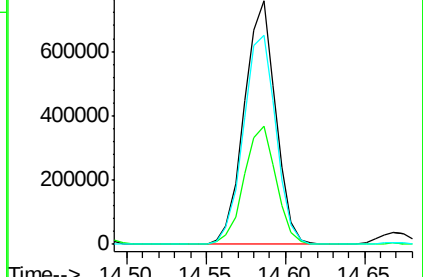
154 85.7 70.4 105.6



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: 64.30 ng/ul

RT: 14.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BM010563.D

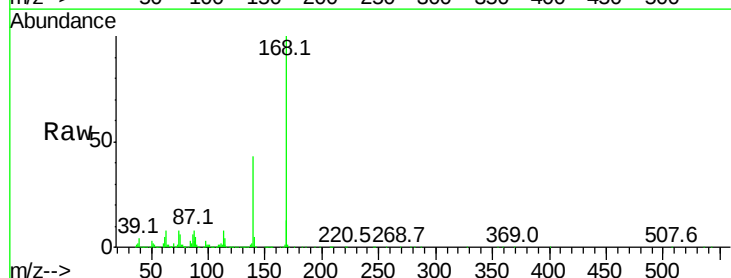
Acq: 13 Jun 2017 16:53

Tgt Ion:168 Resp: 1424362

Ion	Ratio	Lower	Upper
168	100		
139	43.0	30.8	46.2

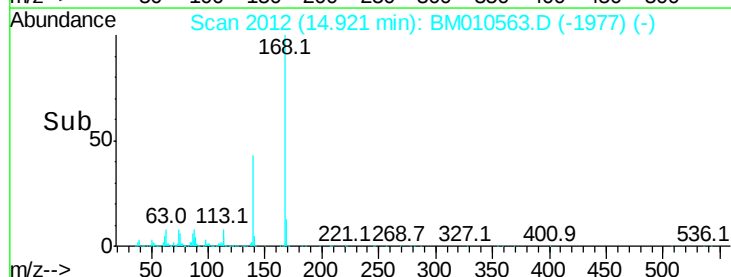
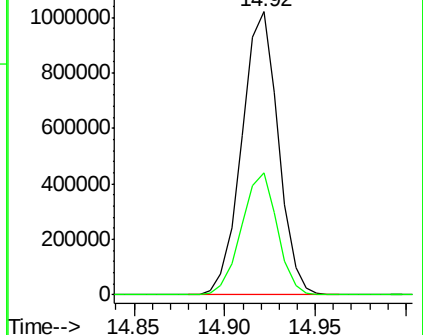
168 100

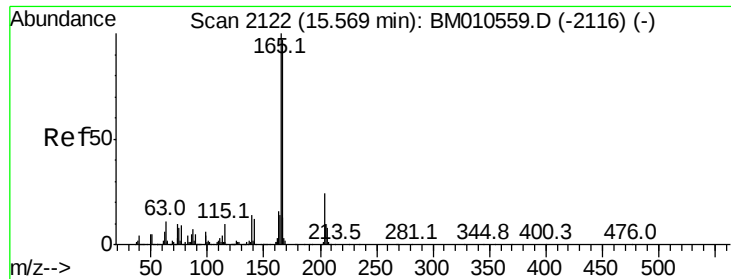
139 43.0 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 76.88 ng/ul

RT: 15.57 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

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BNA_M

ClientSampleId :

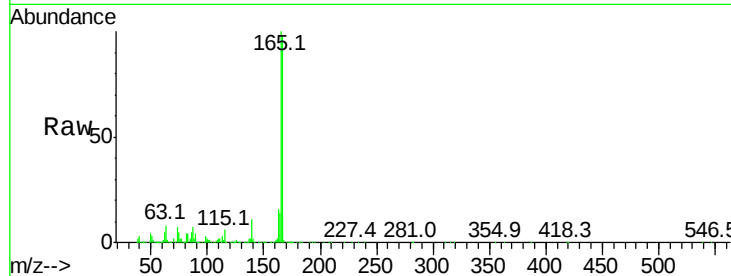
Tot Ion:166 Resp: 1397033

Ion	Ratio	Lower	Upper
166	100		
165	102.5	77.9	116.9
167	13.6	10.6	16.0

166 100

165 102.5 77.9 116.9

167 13.6 10.6 16.0

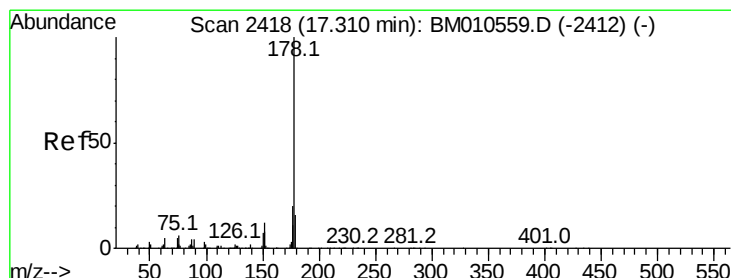
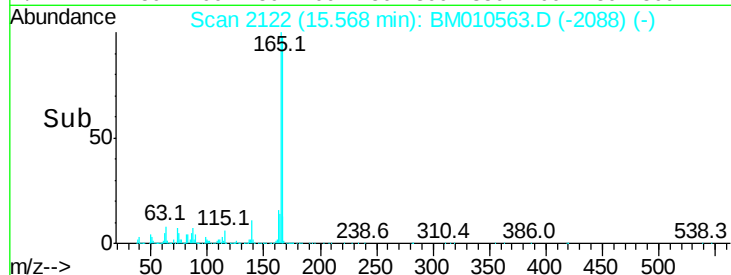
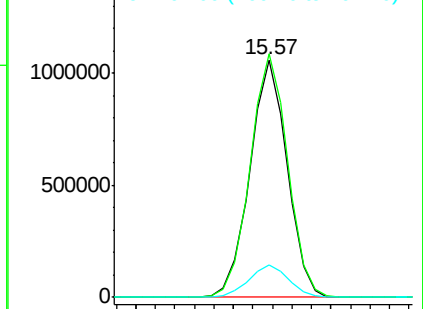


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 240.51 ng/ul

RT: 17.32 min Scan# 2419

Delta R.T. 0.01 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

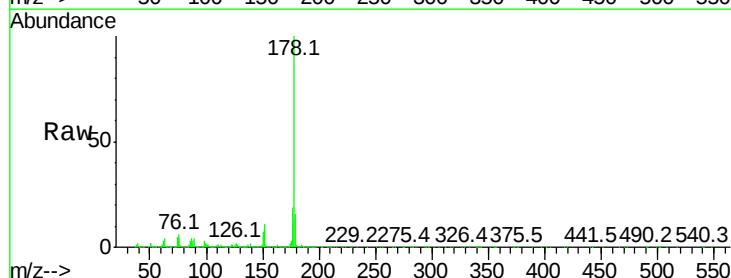
Tgt Ion:178 Resp: 7820622

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	19.0
176	19.4	14.9	22.3

178 100

179 15.6 12.6 19.0

176 19.4 14.9 22.3

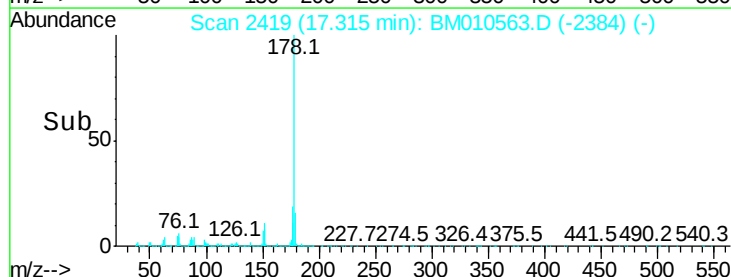
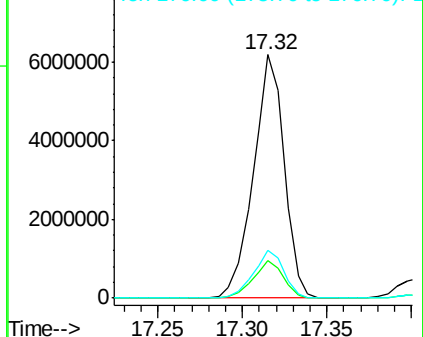


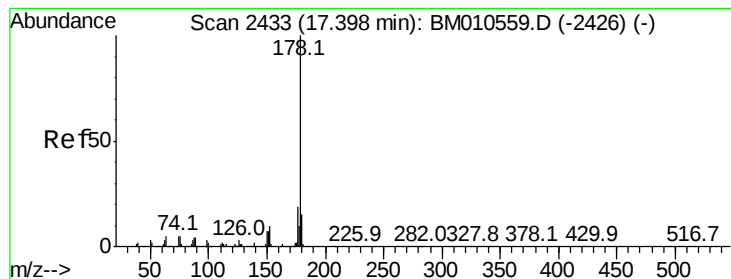
Abundance

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: 19.53 ng/ul

RT: 17.40 min Scan# 2434

Delta R.T. 0.01 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

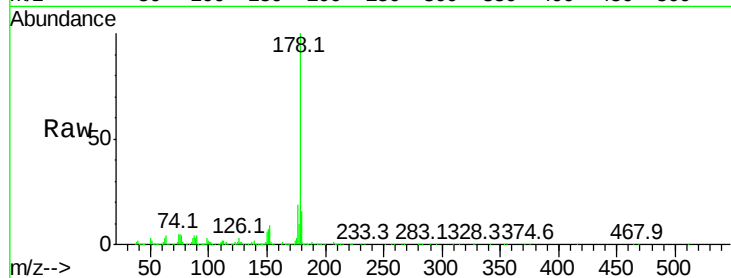
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 663016

Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.7	17.5
176	19.3	14.6	21.8

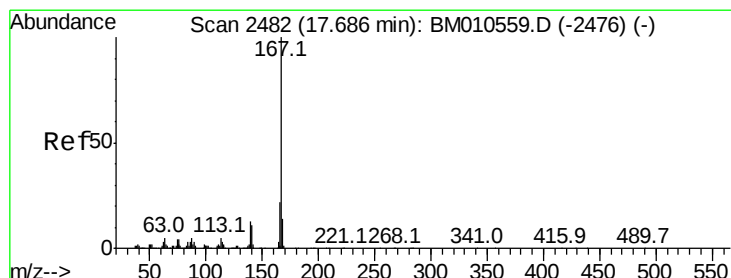
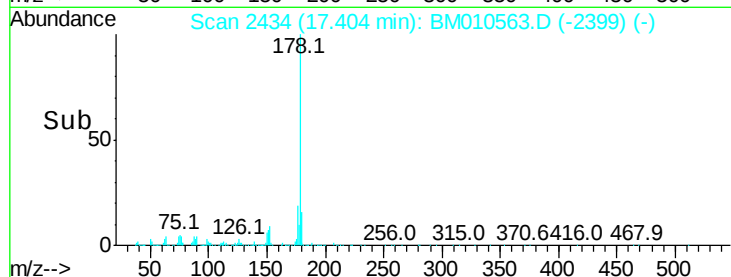
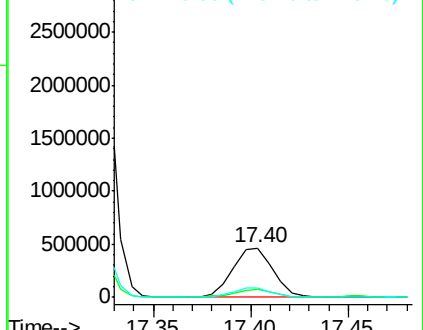


Abundance

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: 11.05 ng/ul

RT: 17.69 min Scan# 2482

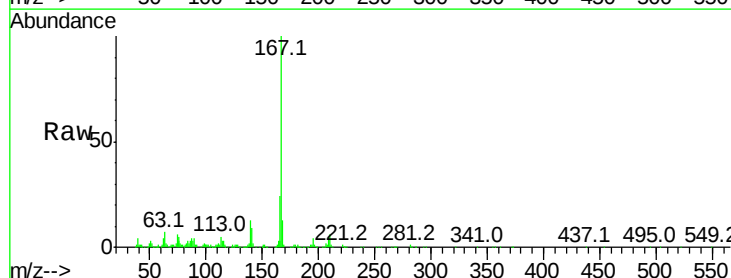
Delta R.T. -0.00 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

Tgt Ion:167 Resp: 317570

Ion	Ratio	Lower	Upper
167	100		
166	24.5	17.1	25.7
139	13.3	10.0	15.0

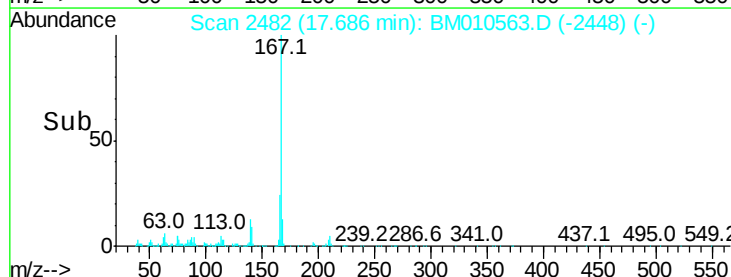
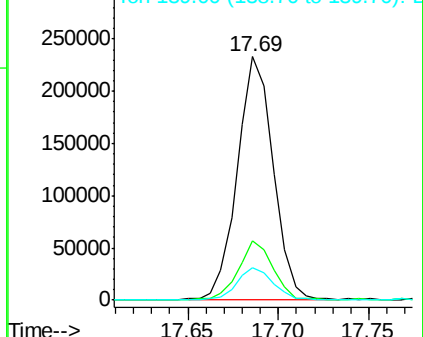


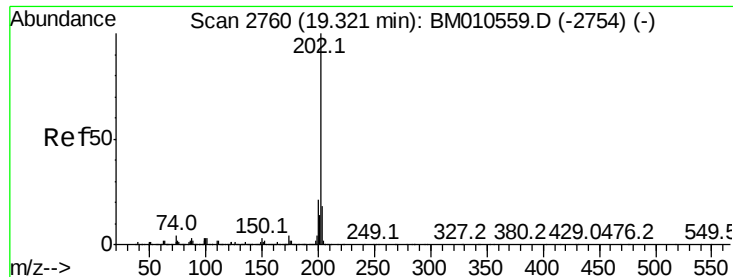
Abundance

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: 112.61 ng/ul

RT: 19.32 min Scan# 2760

Delta R.T. -0.00 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

Instrument :

BNA_M

ClientSampled :

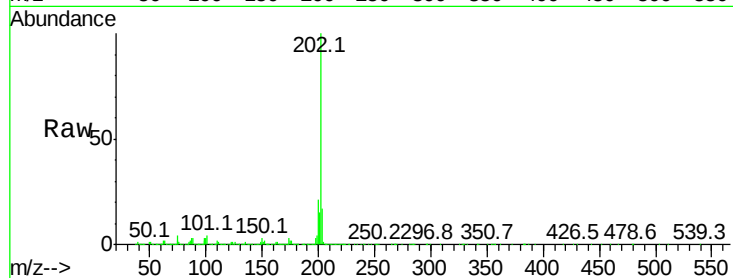
Tot Ion:202 Resp: 4503109

Ion	Ratio	Lower	Upper
202	100		
101	3.8	4.6	7.0#
100	3.3	3.4	5.2#

202 100

101 3.8 4.6 7.0#

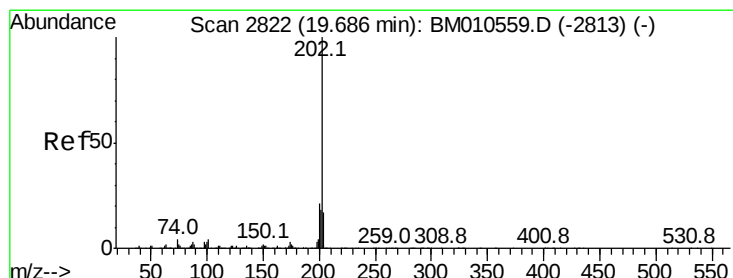
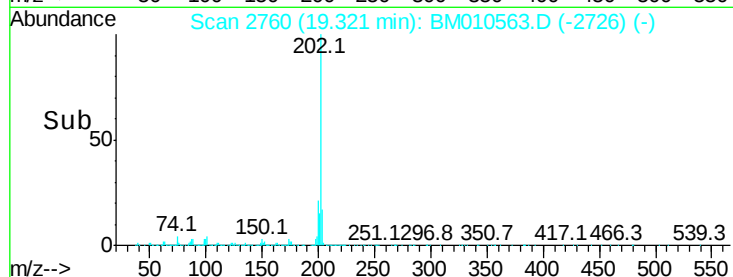
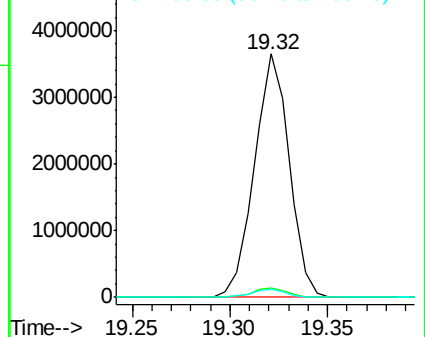
100 3.3 3.4 5.2#



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: 57.64 ng/ul

RT: 19.69 min Scan# 2822

Delta R.T. -0.00 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

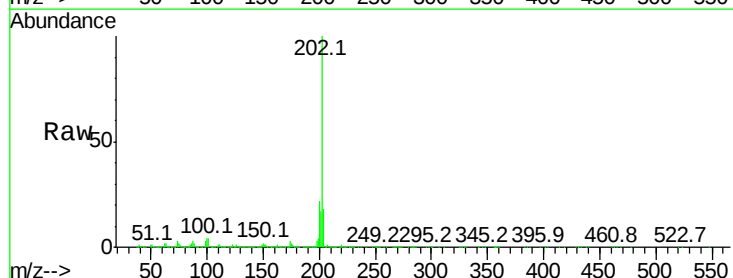
Tgt Ion:202 Resp: 2816201

Ion	Ratio	Lower	Upper
202	100		
101	4.4	5.1	7.7#
100	3.6	4.9	7.3#

202 100

101 4.4 5.1 7.7#

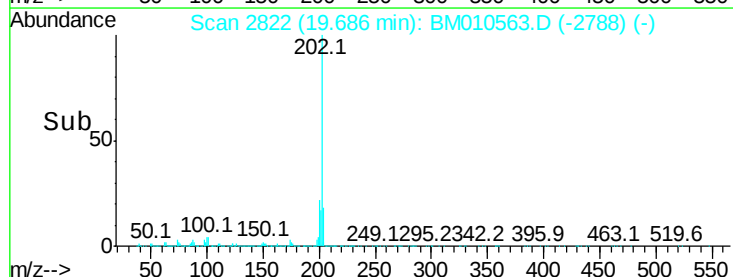
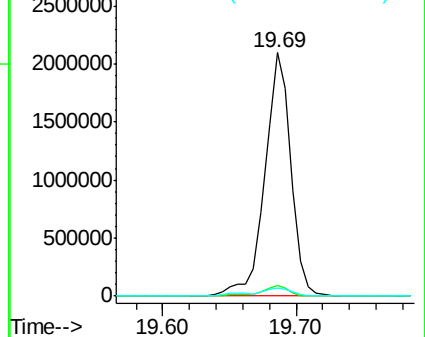
100 3.6 4.9 7.3#

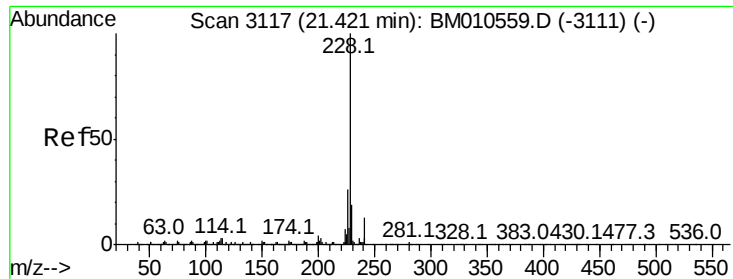


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 16.81 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. -0.00 min

Lab File: BM010563.D

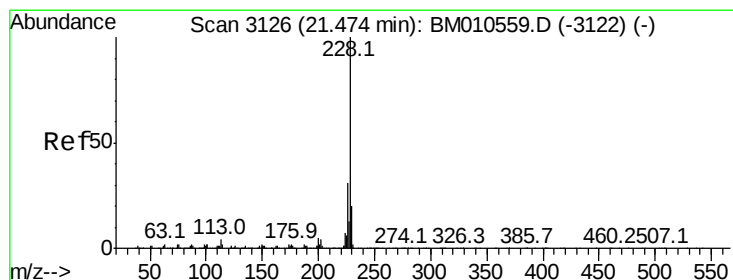
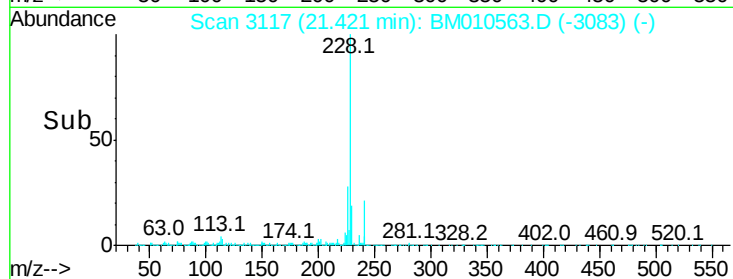
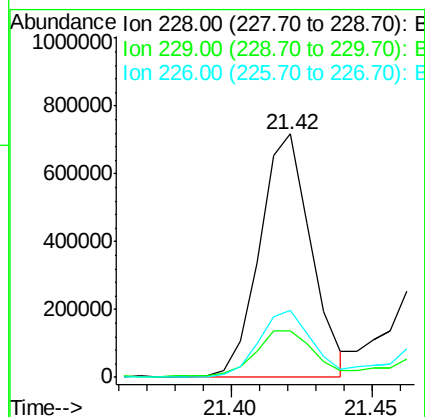
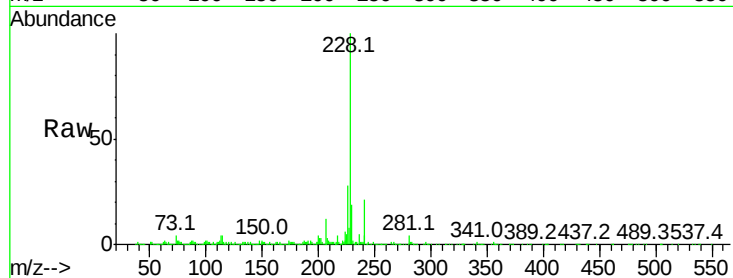
Acq: 13 Jun 2017 16:53

Instrument :

BNA_M

ClientSampled :

Tot Ion:228	Resp:	899000
Ion	Ratio	Lower Upper
228	100	
229	18.9	15.4 23.0
226	27.6	21.4 32.0



#82

Chrysene

Concen: 15.29 ng/ul

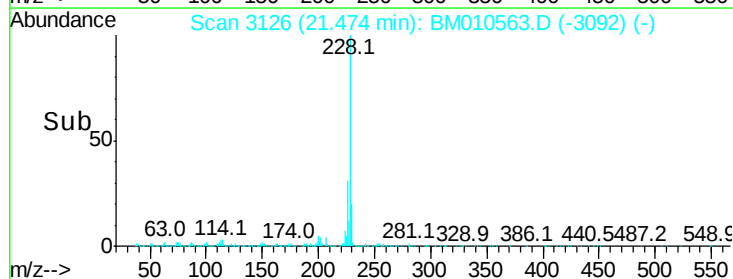
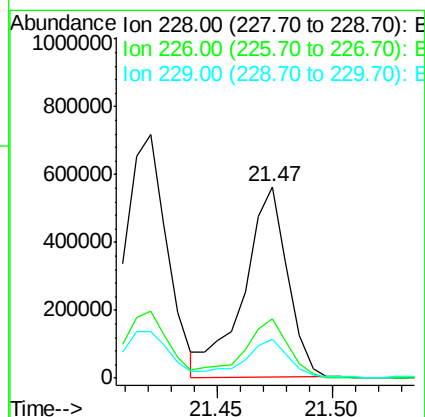
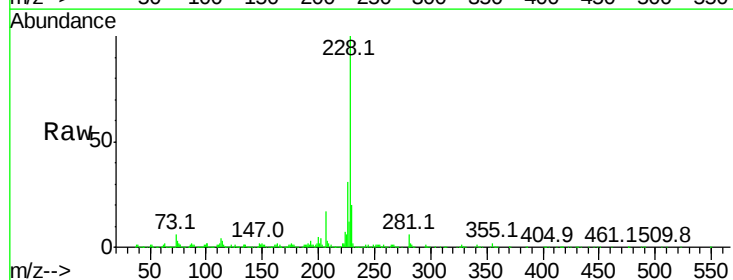
RT: 21.47 min Scan# 3126

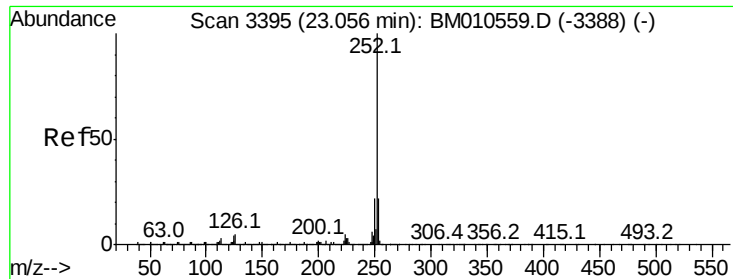
Delta R.T. -0.00 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

Tgt Ion:228	Resp:	738928
Ion	Ratio	Lower Upper
228	100	
226	30.7	23.4 35.2
229	20.2	15.5 23.3

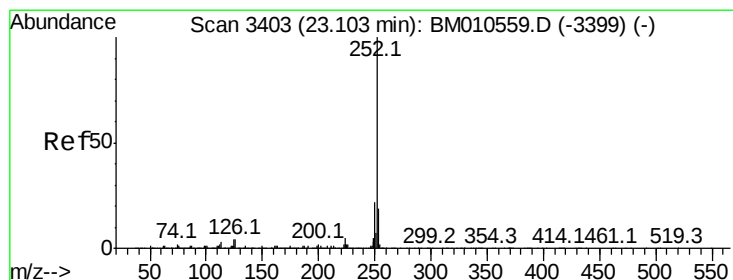
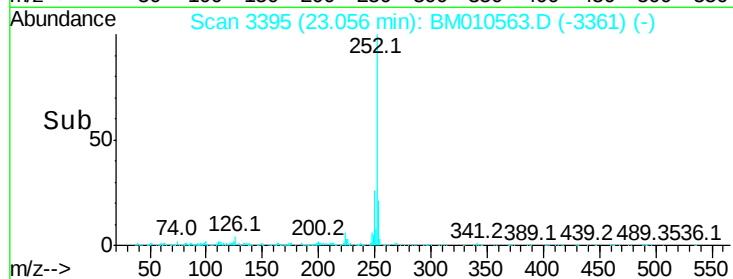
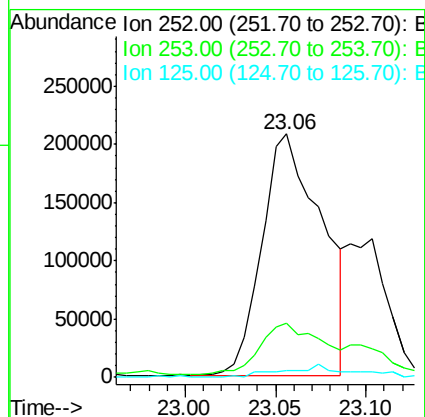
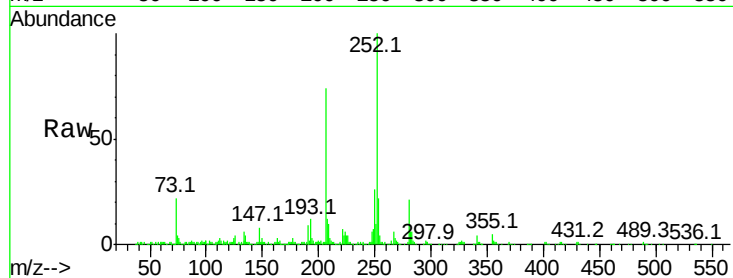




#85
Benzo(b)fluoranthene
Concen: 8.47 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. -0.00 min
Lab File: BM010563.D
Acq: 13 Jun 2017 16:53

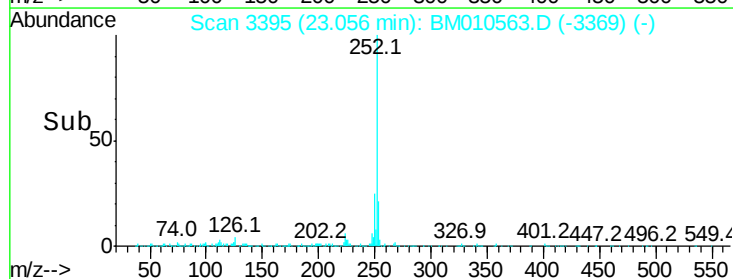
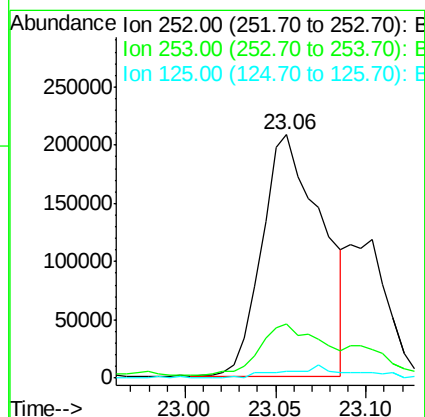
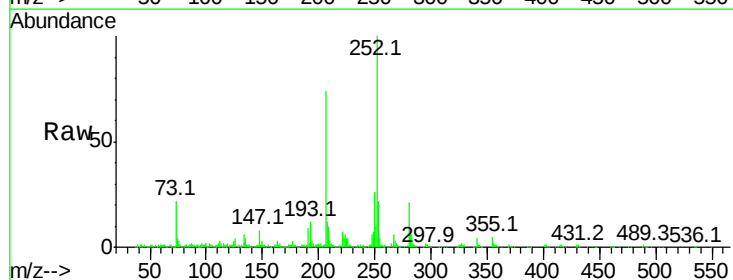
Instrument :
BNA_M
ClientSampleId :

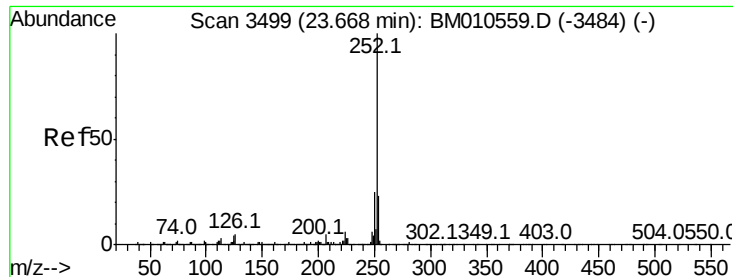
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	2.7	3.6	5.4#



#86
Benzo(k)fluoranthene
Concen: 8.86 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. -0.05 min
Lab File: BM010563.D
Acq: 13 Jun 2017 16:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	2.7	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 5.18 ng/ul

RT: 23.66 min Scan# 3498

Delta R.T. -0.01 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

Instrument :

BNA_M

ClientSampled :

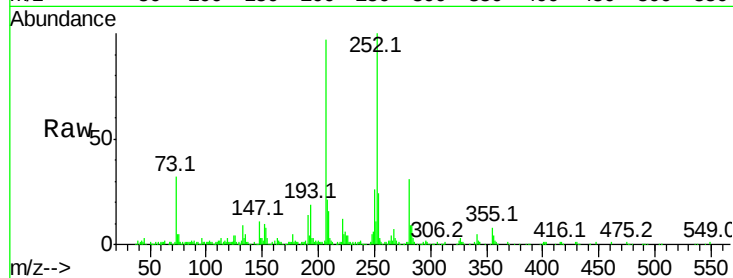
Tot Ion:252 Resp: 289094

Ion Ratio Lower Upper

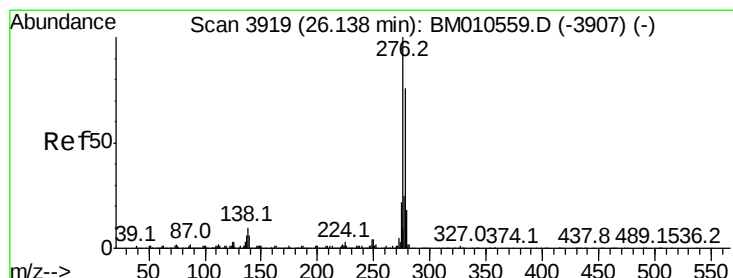
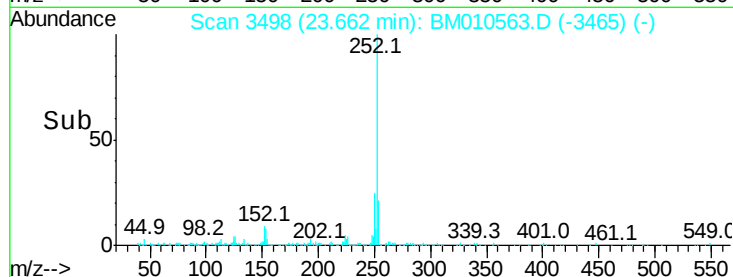
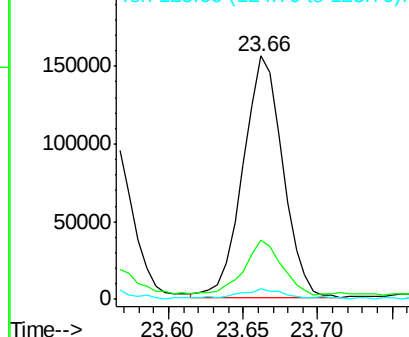
252 100

253 24.4 18.2 27.2

125 4.4 4.0 6.0



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.59 ng/ul

RT: 26.13 min Scan# 3917

Delta R.T. -0.01 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

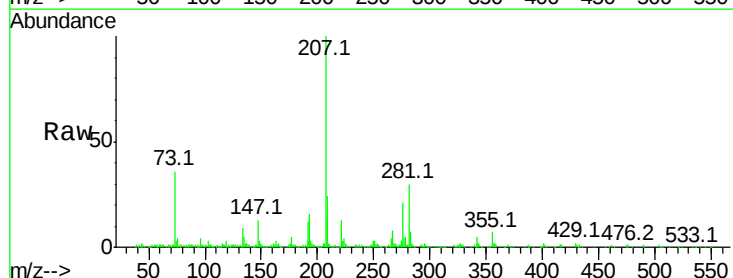
Tgt Ion:276 Resp: 112020

Ion Ratio Lower Upper

276 100

138 5.4 9.3 13.9#

277 20.8 19.9 29.9



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

