

Data Path : Z:\HPCHEM1\BNA M\DATA\BM061317\
 Data File : BM010565.D
 Acq On : 13 Jun 2017 18:06
 Operator : SJ/MA
 Sample : I3522-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 14 01:48:09 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	97189	20.00	ng/ul	0.00
18) Naphthalene-d8	10.68	136	314724	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	218116	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	578810	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1026693	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1060122	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	6201	2.62	ng/uL	0.00
5) Phenol-d5	7.06	99	94960	12.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.22	67	55089	13.31	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	87251	14.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.60	113	77764	13.09	ng/ul	0.00
19) Nitrobenzene-d5	9.07	128	37150	16.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.77	143	49938	18.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	106520	19.42	ng/ul	0.00
29) 4-Chloroaniline-d4	10.85	131	87298	16.49	ng/ul	0.00
43) Dimethylphthalate-d6	13.93	166	346051	19.10	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	359720	17.02	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	35807	13.21	ng/ul	0.00
57) Fluorene-d10	15.51	176	302514	18.99	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.64	200	63551	15.50	ng/ul	0.00
70) Anthracene-d10	17.36	188	517205	18.36	ng/ul	0.00
76) Pyrene-d10	19.66	212	773817	18.23	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	915924	18.56	ng/ul	0.00

Target Compounds

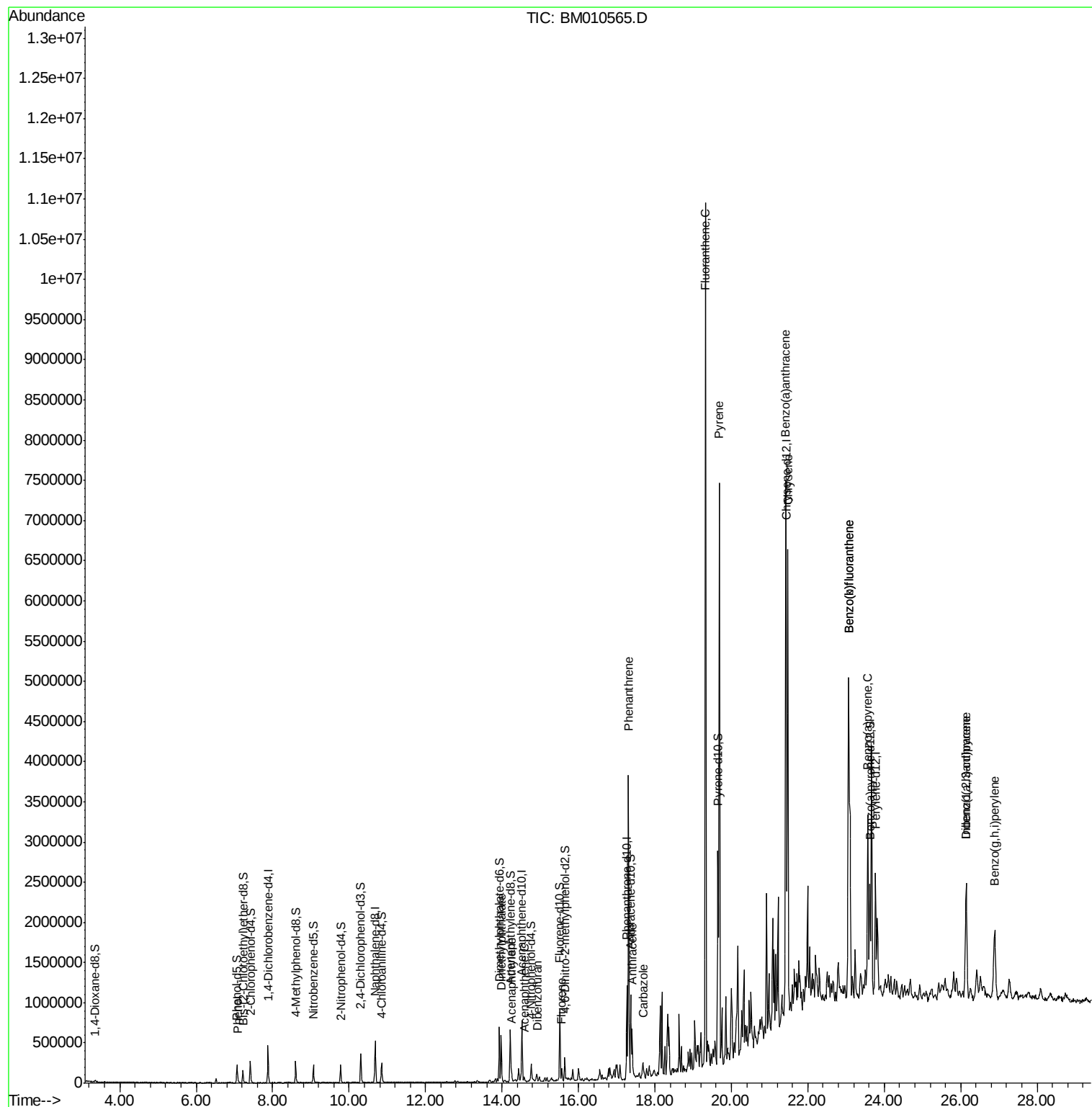
						Ovalue
6) Phenol	7.09	94	11098	1.47	ng/ul#	68
44) Dimethylphthalate	13.98	163	291485	16.35	ng/ul	99
47) Acenaphthylene	14.25	152	90783	4.39	ng/ul	99
49) Acenaphthene	14.58	153	18049	1.25	ng/ul#	86
53) Dibenzofuran	14.92	168	32944	1.54	ng/ul	97
58) Fluorene	15.56	166	51853	2.95	ng/ul	90
69) Phenanthrene	17.31	178	2023966	65.50	ng/ul	98
71) Anthracene	17.40	178	338644	10.50	ng/ul	97
72) Carbazole	17.69	167	33757	1.24	ng/ul#	83
74) Fluoranthene	19.32	202	5892859	155.08	ng/ul#	96
77) Pyrene	19.69	202	4147237	78.39	ng/ul#	95
80) Benzo(a)anthracene	21.42	228	3337712	57.65	ng/ul	98
82) Chrysene	21.47	228	2977425	56.89	ng/ul	96
85) Benzo(b)fluoranthene	23.06	252	3513941	56.96	ng/ul	98
86) Benzo(k)fluoranthene	23.06	252	3513941	59.63	ng/ul	96
88) Benzo(a)pyrene	23.57	252	1555199	25.43	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	26.14	276	1325497	17.16	ng/ul	97
90) Dibenzo(a,h)anthracene	26.14	278	432496	6.50	ng/ul#	84
91) Benzo(g,h,i)perylene	26.89	276	1059399	16.65	ng/ul	98

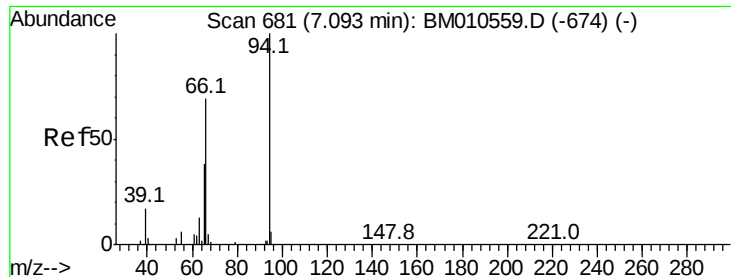
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#6

Phenol

Concen: 1.47 ng/ul

RT: 7.09 min Scan# 681

Delta R.T. 0.00 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

Instrument :

BNA_M

ClientSampleId :

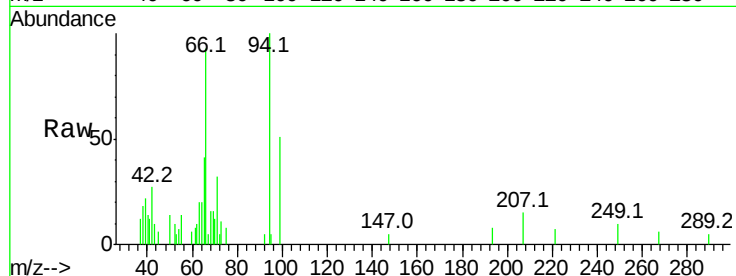
Tot Ion: 94 Resp: 11098

Ion Ratio Lower Upper

94 100

65 40.6 28.2 42.4

66 93.1 47.2 70.8#

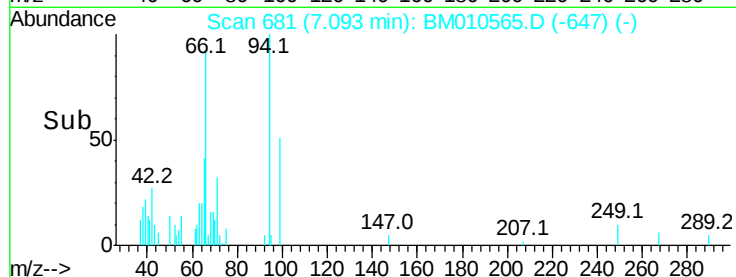


Abundance Ion 94.00 (93.70 to 94.70): BM010559.D (-674) (-)

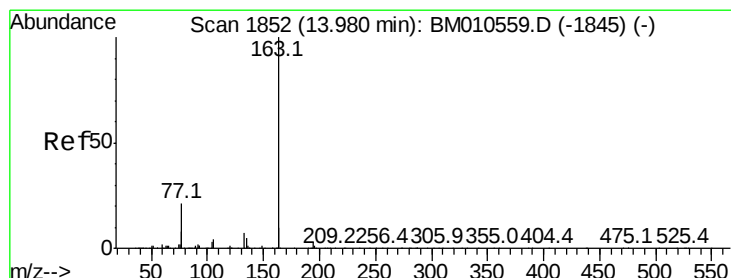
Ion 65.00 (64.70 to 65.70): BM010559.D (-674) (-)

Ion 66.00 (65.70 to 66.70): BM010559.D (-674) (-)

Time-->



Time-->



#44

Dimethylphthalate

Concen: 16.35 ng/ul

RT: 13.98 min Scan# 1852

Delta R.T. 0.00 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

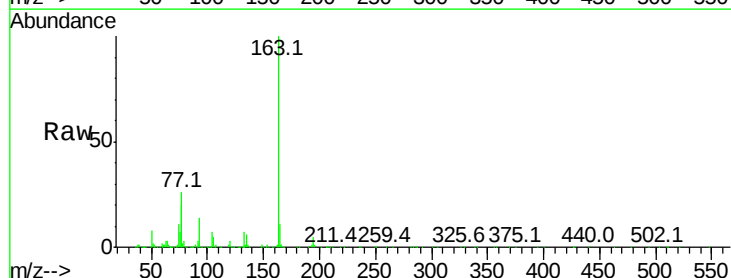
Tgt Ion: 163 Resp: 291485

Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

164 10.7 8.2 12.4

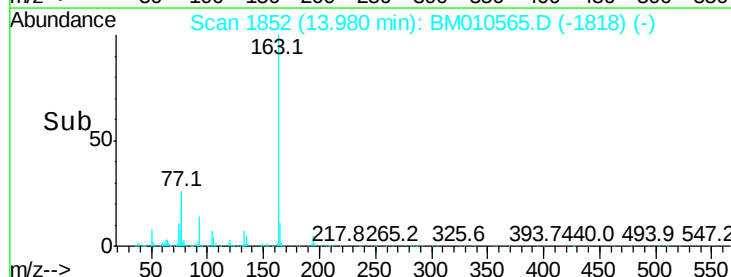


Abundance Ion 163.00 (162.70 to 163.70): BM010559.D (-1845) (-)

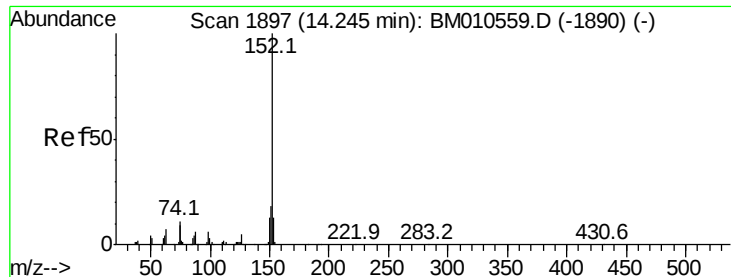
Ion 194.00 (193.70 to 194.70): BM010559.D (-1845) (-)

Ion 164.00 (163.70 to 164.70): BM010559.D (-1845) (-)

Time-->



Time-->



#47

Acenaphthylene

Concen: 4.39 ng/ul

RT: 14.25 min Scan# 1897

Delta R.T. 0.00 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

Instrument :

BNA_M

ClientSampleId :

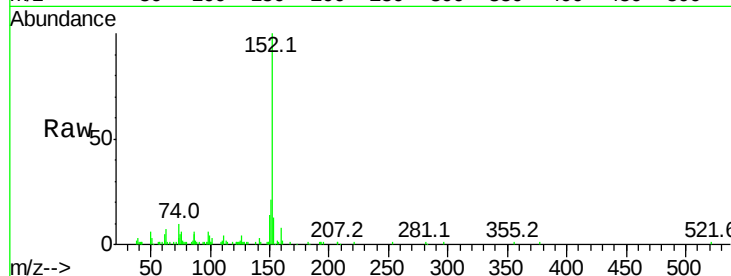
Tot Ion:152 Resp: 90783

Ion Ratio Lower Upper

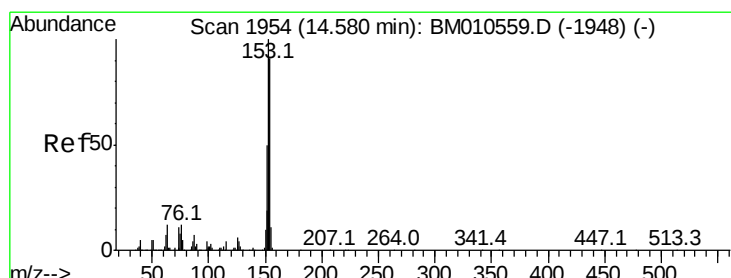
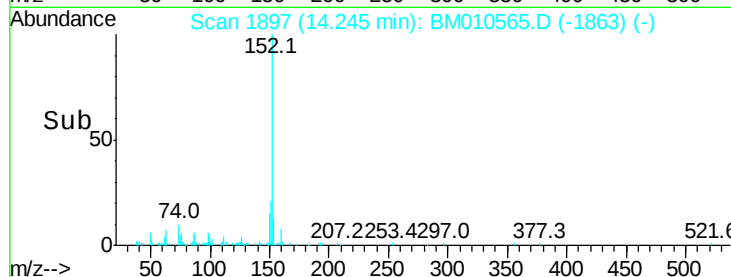
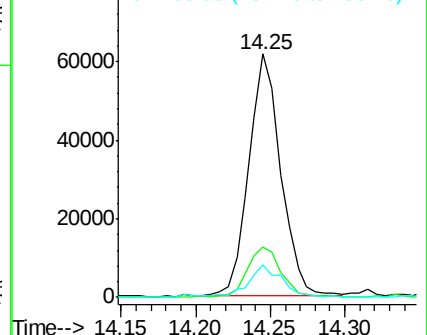
152 100

151 20.9 16.3 24.5

153 13.2 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 1.25 ng/ul

RT: 14.58 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

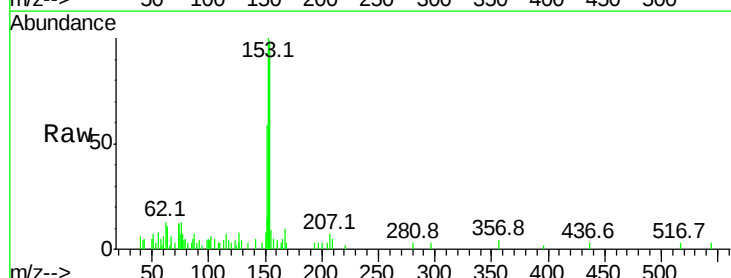
Tgt Ion:153 Resp: 18049

Ion Ratio Lower Upper

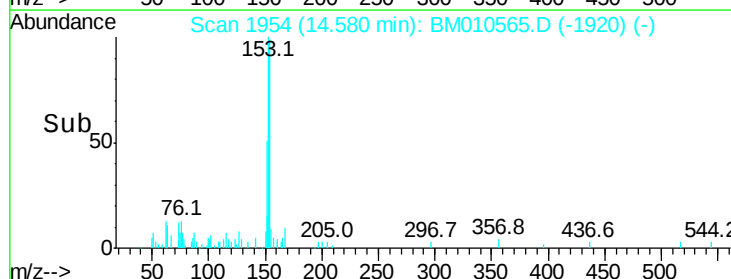
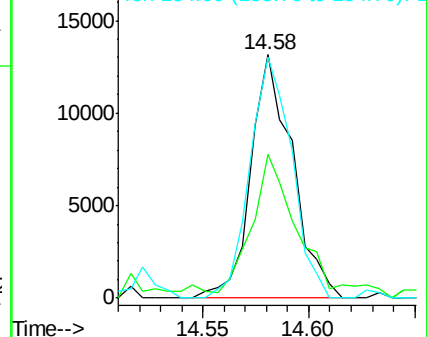
153 100

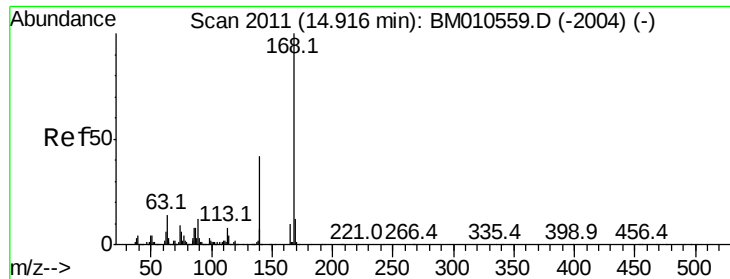
152 59.2 37.6 56.4#

154 98.8 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: 1.54 ng/ul

RT: 14.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

Instrument :

BNA_M

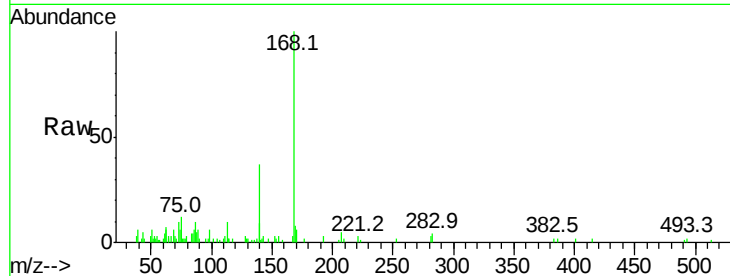
ClientSampleId :

Tot Ion:168 Resp: 32944

Ion Ratio Lower Upper

168 100

139 36.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.92

25000

20000

15000

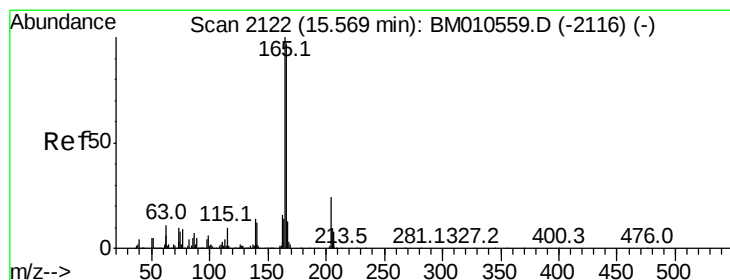
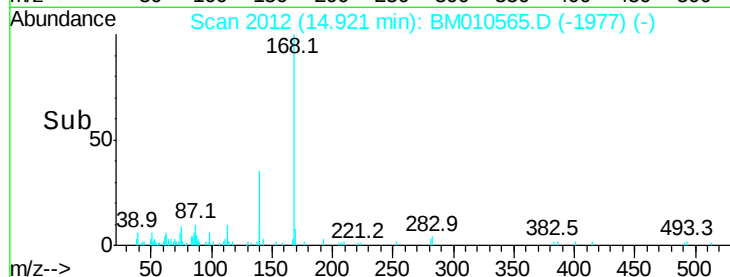
10000

5000

0

14.90 14.95

Time-->



#58

Fluorene

Concen: 2.95 ng/ul

RT: 15.56 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

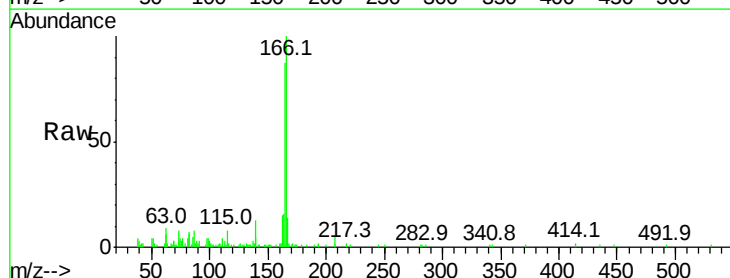
Tgt Ion:166 Resp: 51853

Ion Ratio Lower Upper

166 100

165 86.8 77.9 116.9

167 14.0 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

15.56

50000

40000

30000

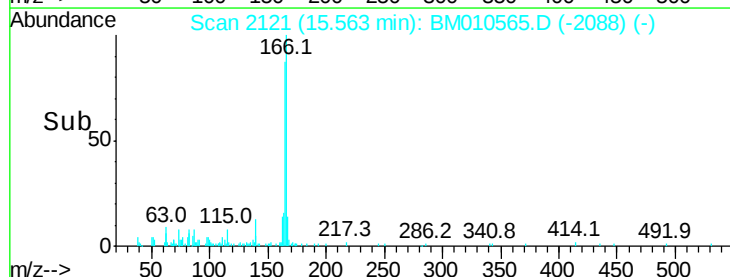
20000

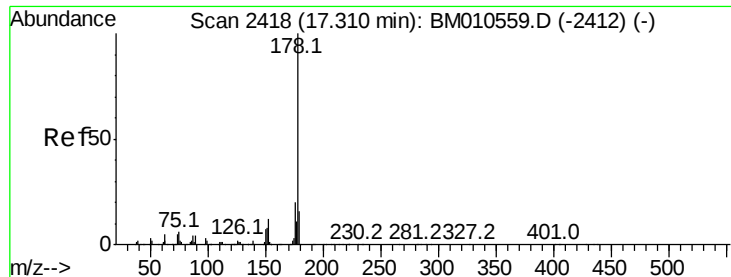
10000

0

15.50 15.55 15.60

Time-->





#69

Phenanthrene

Concen: 65.50 ng/ul

RT: 17.31 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

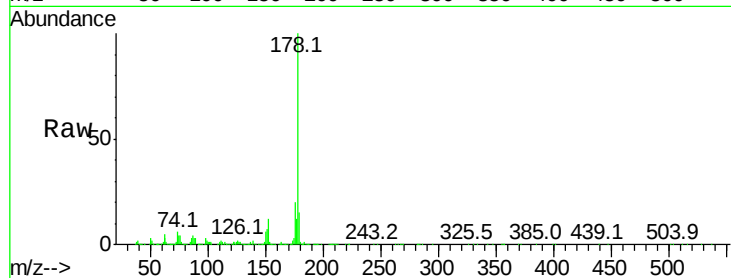
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 2023966

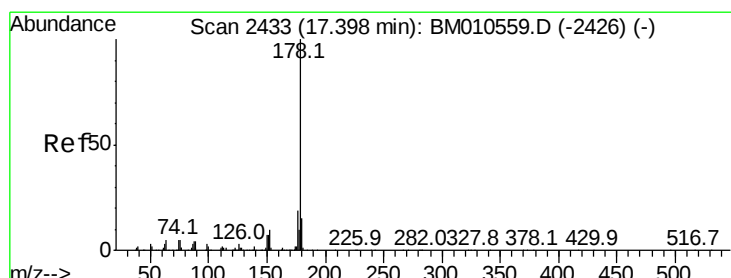
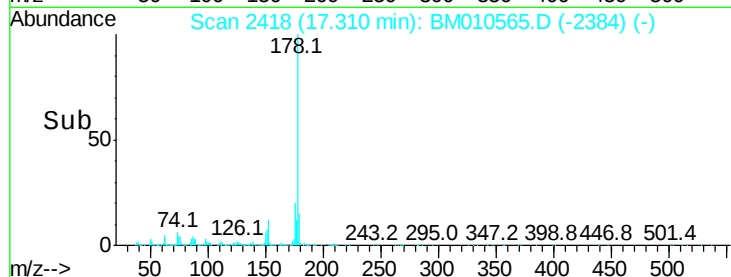
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0
176	19.7	14.9	22.3



Abundance Ion 178.00 (177.70 to 178.70): E

2000000 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 10.50 ng/ul

RT: 17.40 min Scan# 2433

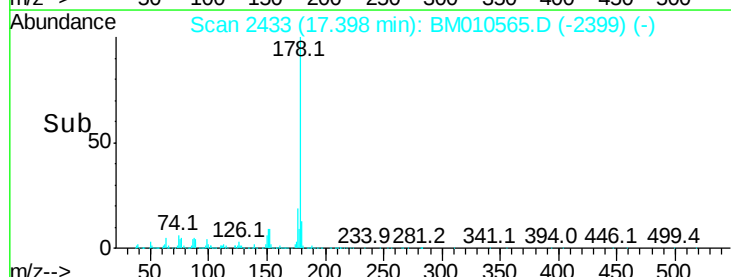
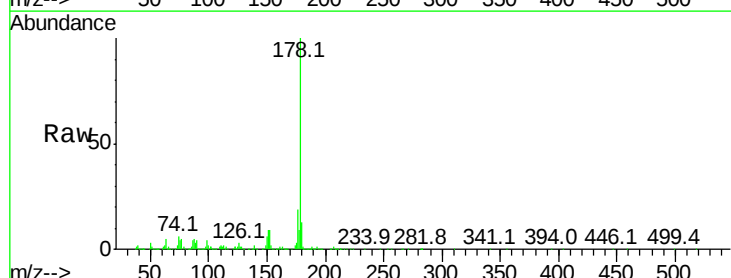
Delta R.T. 0.00 min

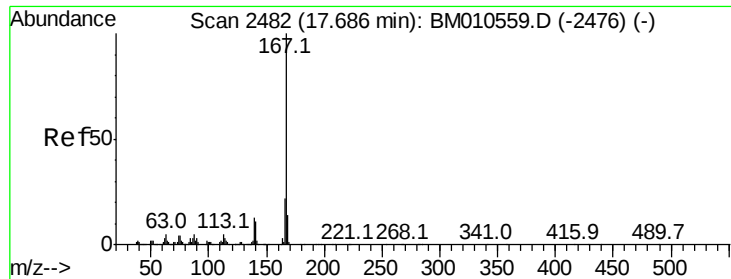
Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

Tgt Ion:178 Resp: 338644

Ion	Ratio	Lower	Upper
178	100		
179	12.9	11.7	17.5
176	18.9	14.6	21.8





#72

Carbazole

Concen: 1.24 ng/ul

RT: 17.69 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

Instrument :

BNA_M

ClientSampleId :

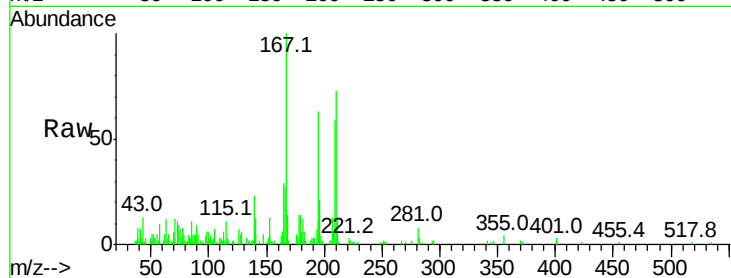
Tot Ion:167 Resp: 33757

Ion Ratio Lower Upper

167 100

166 26.7 17.1 25.7#

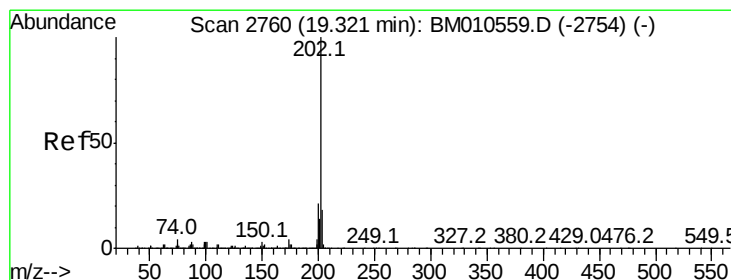
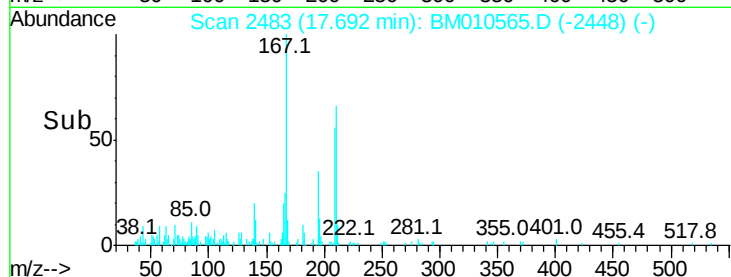
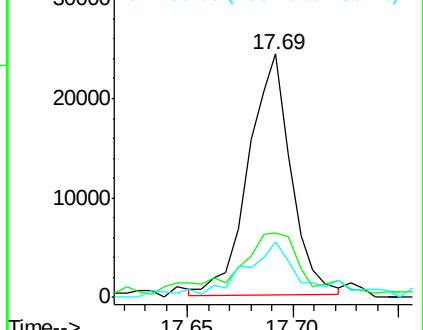
139 22.9 10.0 15.0#



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: 155.08 ng/ul

RT: 19.32 min Scan# 2760

Delta R.T. 0.00 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

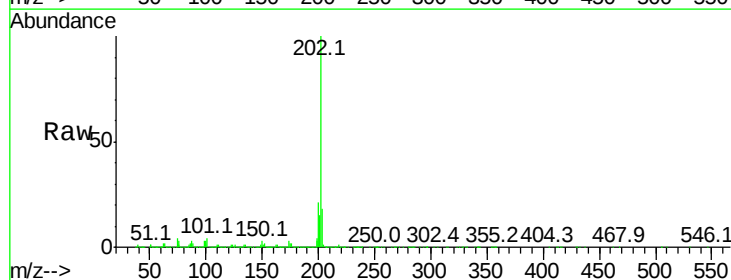
Tgt Ion:202 Resp: 5892859

Ion Ratio Lower Upper

202 100

101 4.3 4.6 7.0#

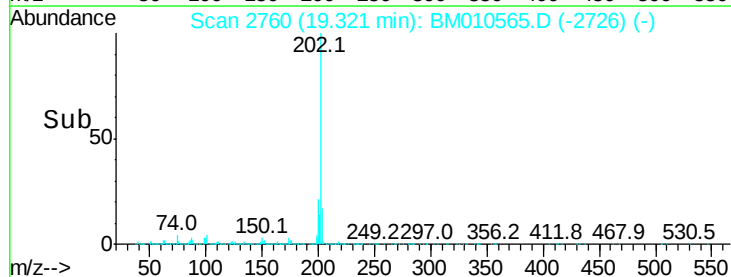
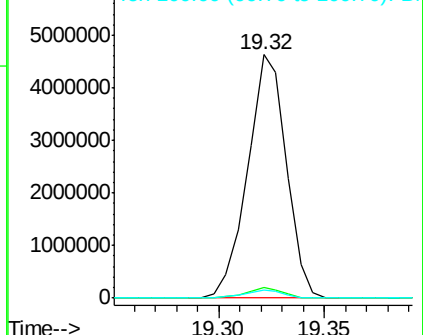
100 3.5 3.4 5.2

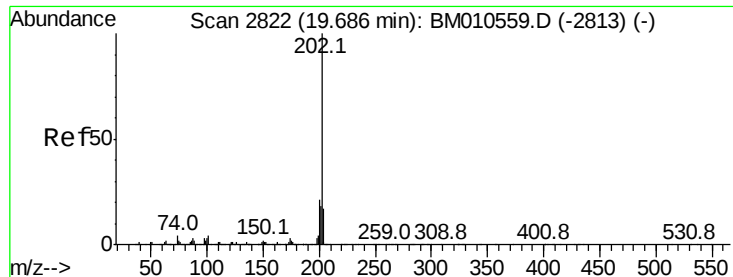


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 78.39 ng/ul

RT: 19.69 min Scan# 2822

Delta R.T. 0.00 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

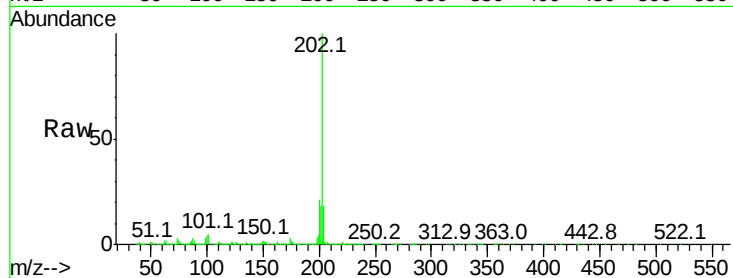
Instrument :

BNA_M

ClientSampleId :

Tot Ion:202 Resp: 4147237

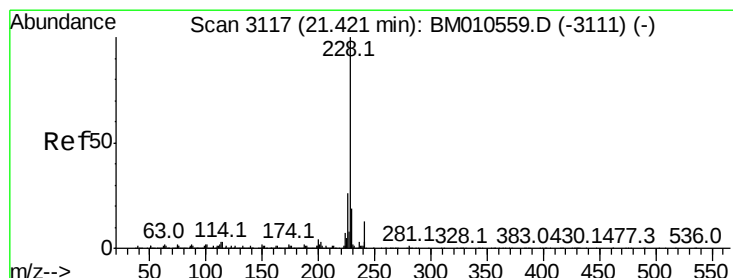
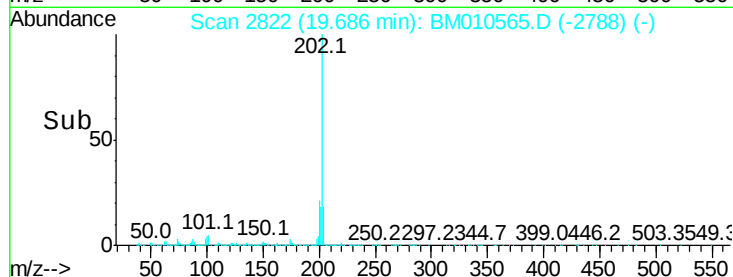
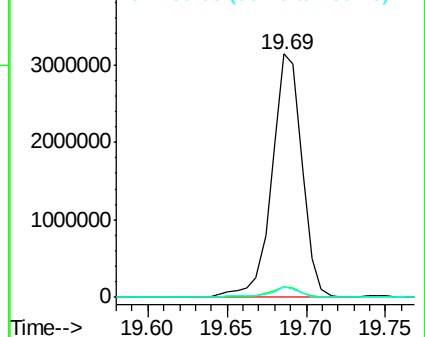
Ion	Ratio	Lower	Upper
202	100		
101	4.5	5.1	7.7#
100	4.3	4.9	7.3#



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: 57.65 ng/ul

RT: 21.42 min Scan# 3117

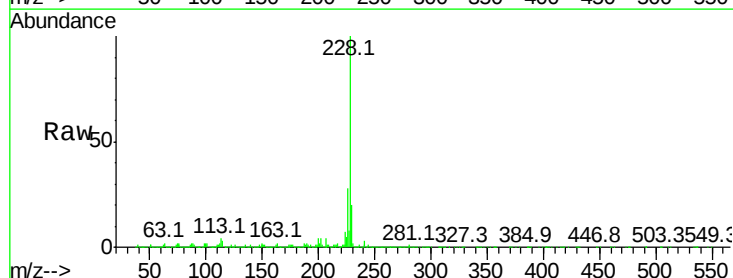
Delta R.T. 0.00 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

Tgt Ion:228 Resp: 3337712

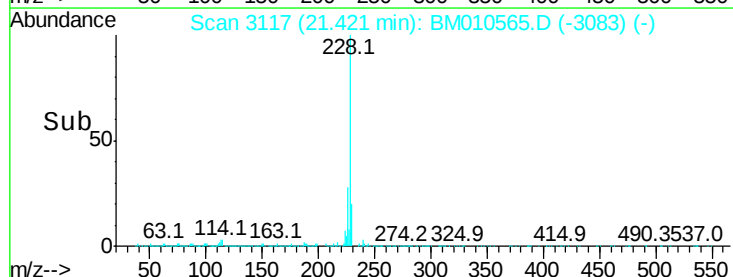
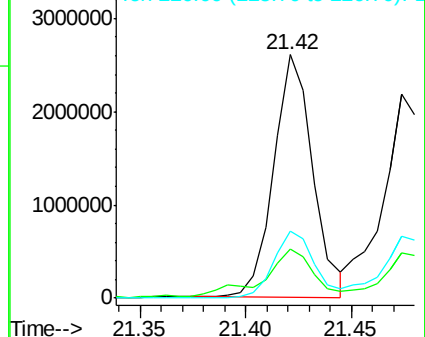
Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.4	23.0
226	27.7	21.4	32.0

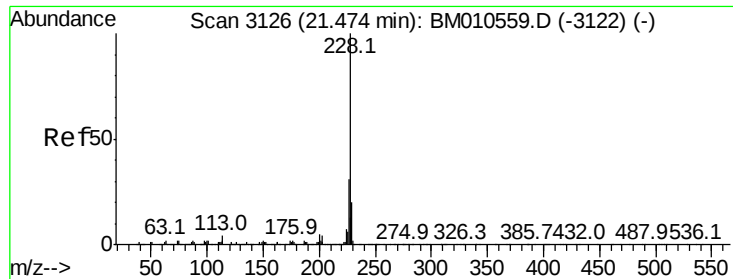


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

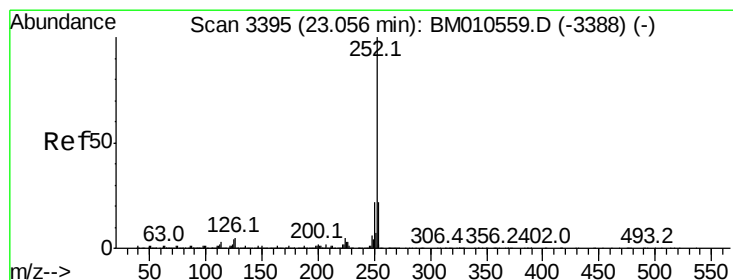
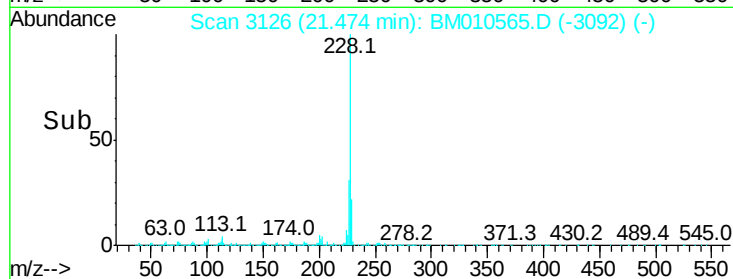
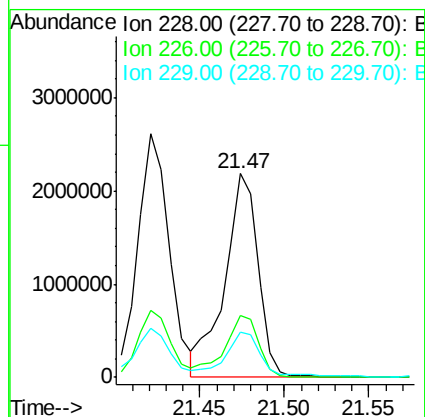
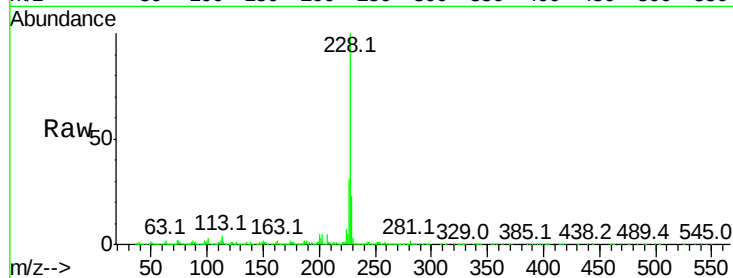




#82
Chrysene
Concen: 56.89 ng/ul
RT: 21.47 min Scan# 3126
Delta R.T. 0.00 min
Lab File: BM010565.D
Acq: 13 Jun 2017 18:06

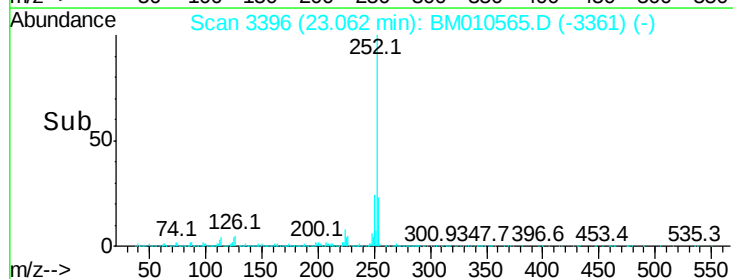
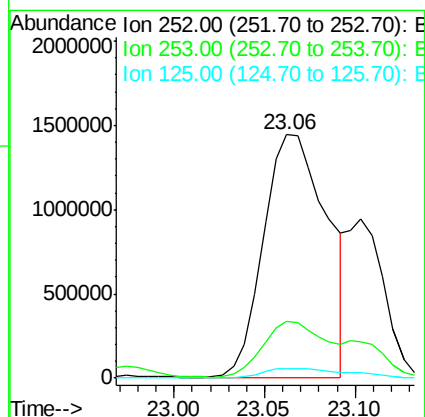
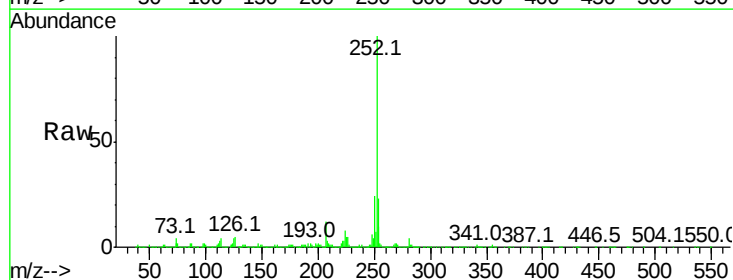
Instrument :
BNA_M
ClientSampleId :

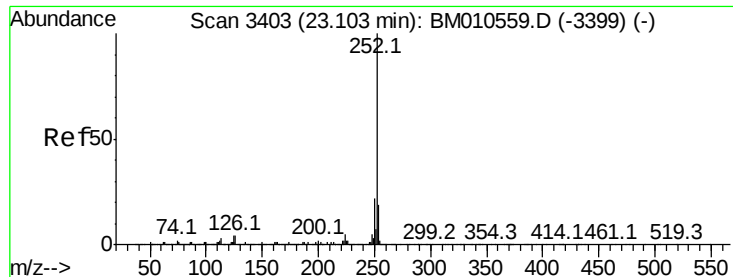
Tot Ion:228 Resp: 2977425
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.2
229 22.5 15.5 23.3



#85
Benzo(b)fluoranthene
Concen: 56.96 ng/ul
RT: 23.06 min Scan# 3396
Delta R.T. 0.01 min
Lab File: BM010565.D
Acq: 13 Jun 2017 18:06

Tgt Ion:252 Resp: 3513941
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 3.8 3.6 5.4





#86

Benzo(k)fluoranthene

Concen: 59.63 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. -0.04 min

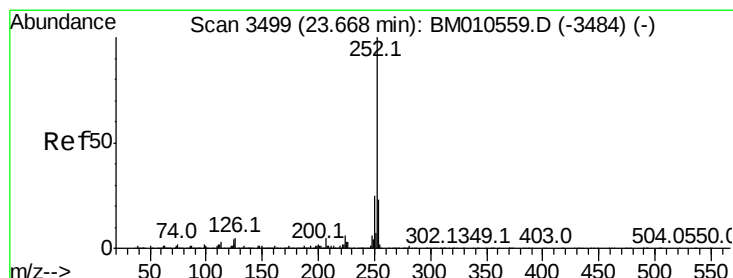
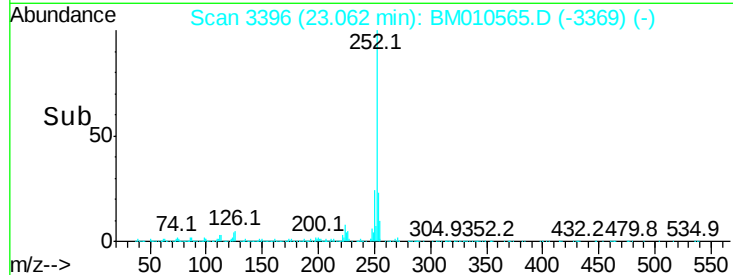
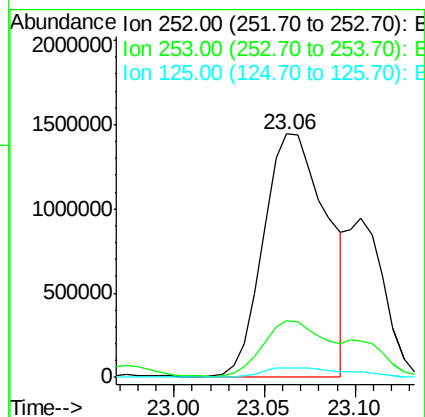
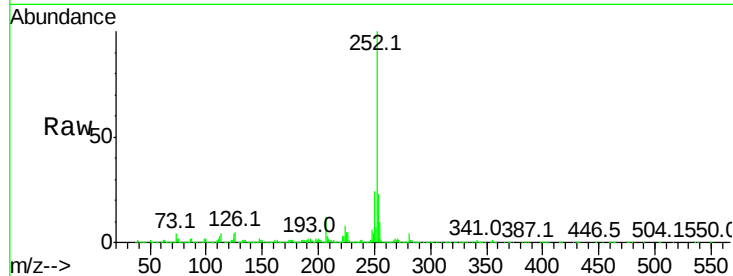
Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

Instrument :
BNA_M
ClientSampleId :

Tot Ion:252 Resp: 3513941

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	3.8	3.4	5.2



#88

Benzo(a)pyrene

Concen: 25.43 ng/ul

RT: 23.57 min Scan# 3482

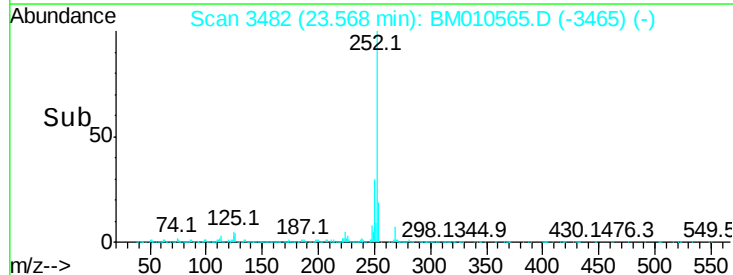
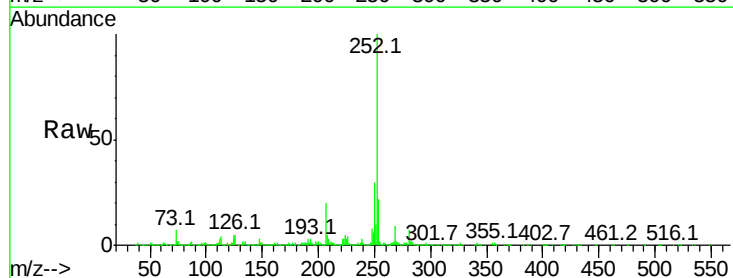
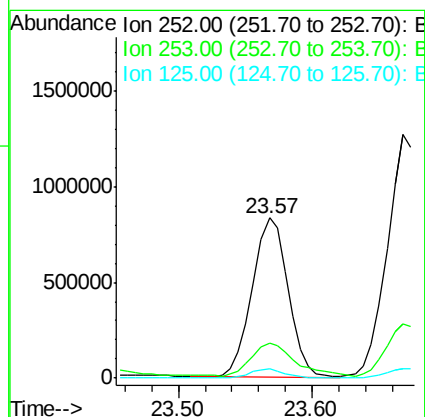
Delta R.T. -0.10 min

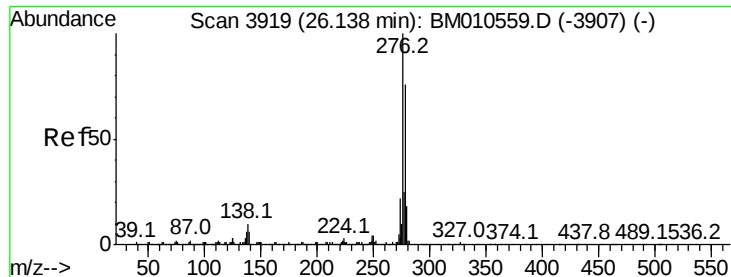
Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

Tgt Ion:252 Resp: 1555199

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	5.5	4.0	6.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 17.16 ng/ul

RT: 26.14 min Scan# 3920

Delta R.T. 0.01 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

Instrument :

BNA_M

ClientSampleId :

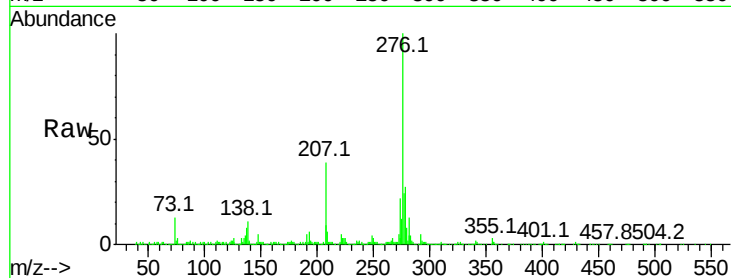
Tot Ion:276 Resp: 1325497

Ion Ratio Lower Upper

276 100

138 10.5 9.3 13.9

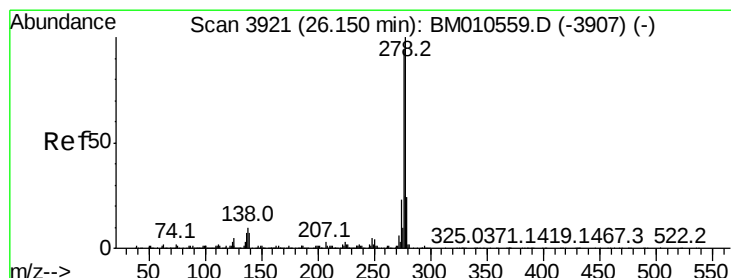
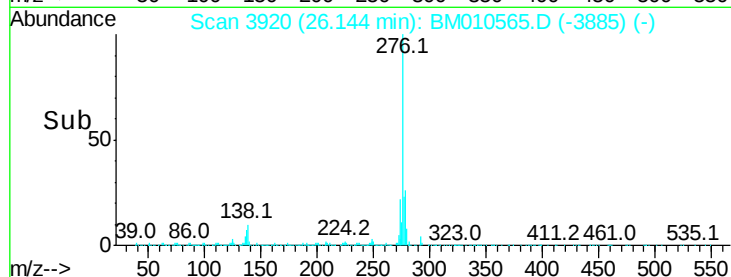
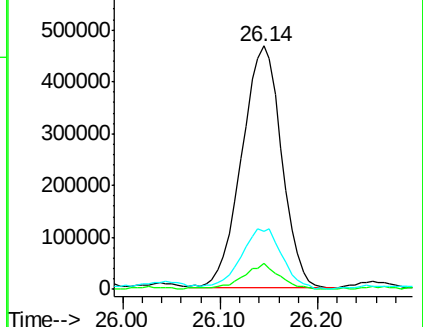
277 23.6 19.9 29.9



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



#90

Dibenzo(a,h)anthracene

Concen: 6.50 ng/ul

RT: 26.14 min Scan# 3920

Delta R.T. -0.01 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

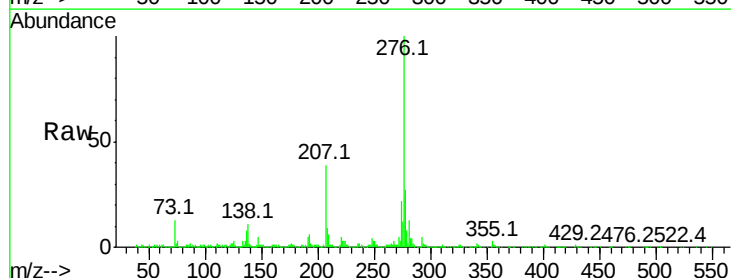
Tgt Ion:278 Resp: 432496

Ion Ratio Lower Upper

278 100

139 11.5 5.8 8.8#

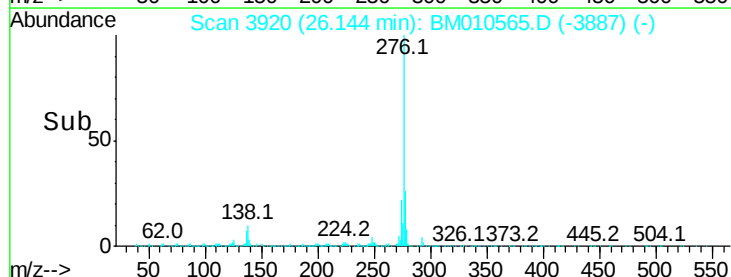
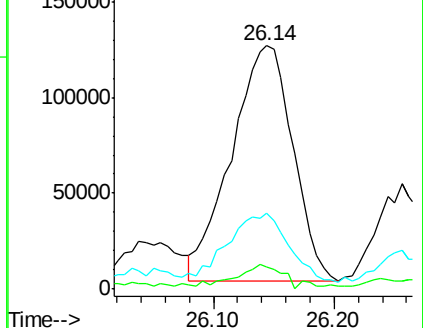
279 31.3 18.6 27.8#

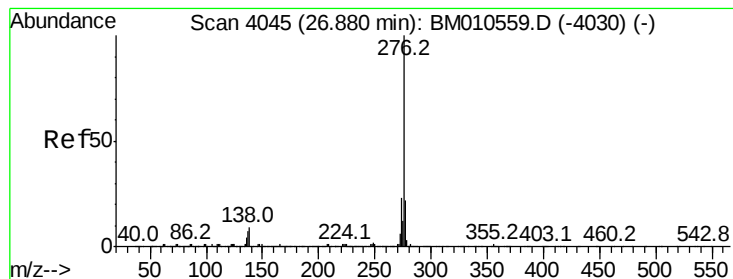


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 16.65 ng/ul

RT: 26.89 min Scan# 4047

Delta R.T. 0.01 min

Lab File: BM010565.D

Acq: 13 Jun 2017 18:06

Instrument :

BNA_M

ClientSampleId :

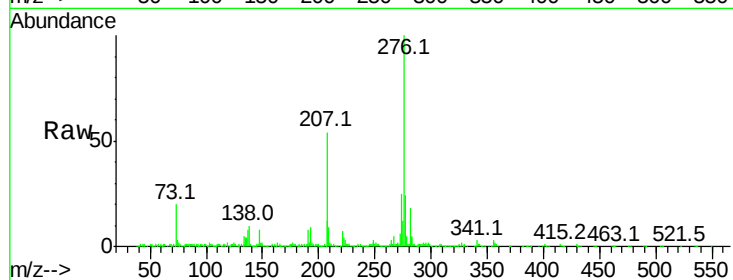
Tot Ion:276 Resp: 1059399

Ion Ratio Lower Upper

276 100

138 9.7 8.5 12.7

277 24.1 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

