

Data Path : Z:\HPCHEM1\BNA M\DATA\BM060717\
 Data File : BM010437.D
 Acq On : 07 Jun 2017 17:15
 Operator : SJ/MA
 Sample : I3446-05DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 08 01:24:56 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 08 01:22:27 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	270197	20.00	ng/ul	0.00
18) Naphthalene-d8	10.71	136	1012414	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.54	164	679070	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.29	188	1741828	20.00	ng/ul	0.00
75) Chrysene-d12	21.46	240	2794066	20.00	ng/ul	0.00
83) Perylene-d12	23.80	264	2365038	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	3818	0.58	ng/uL	0.00
5) Phenol-d5	7.10	99	73051	3.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.25	67	42714	3.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.45	132	64947	3.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	62299	3.77	ng/ul	-0.01
19) Nitrobenzene-d5	9.09	128	29054	3.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.81	143	31387	3.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.34	165	76260	4.32	ng/ul	0.00
29) 4-Chloroaniline-d4	10.88	131	69622	4.09	ng/ul	0.00
43) Dimethylphthalate-d6	13.96	166	273801	4.85	ng/ul	0.00
46) Acenaphthylene-d8	14.24	160	291609	4.43	ng/ul	0.00
51) 4-Nitrophenol-d4	14.79	143	27860	3.30	ng/ul	0.00
57) Fluorene-d10	15.53	176	247683	4.99	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.67	200	29209	2.37	ng/ul	0.00
70) Anthracene-d10	17.39	188	416277	4.91	ng/ul	0.00
76) Pyrene-d10	19.68	212	540741	4.68	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.65	264	546785	4.97	ng/ul	0.00

Target Compounds

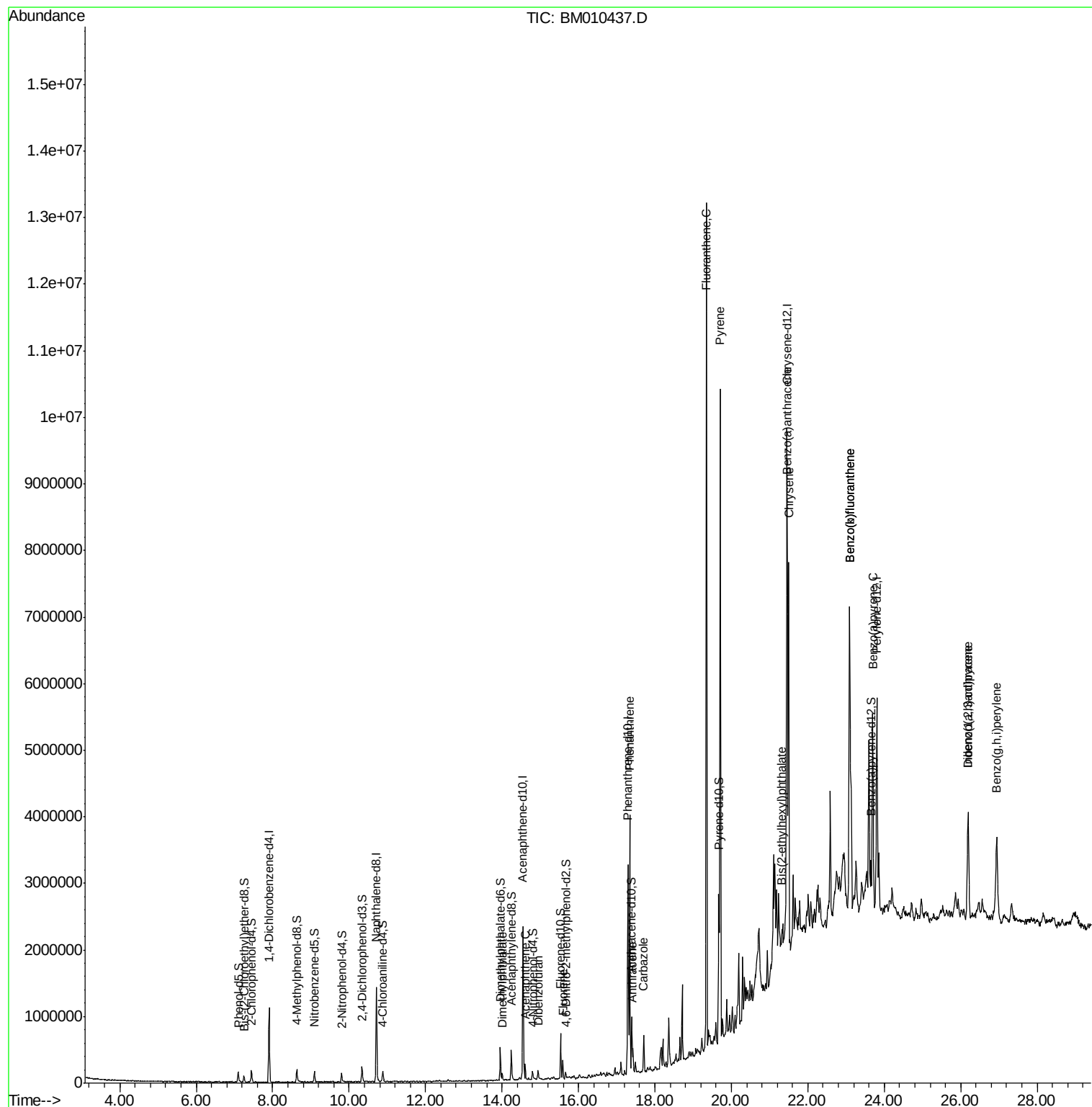
						Ovalue
44) Dimethylphthalate	14.00	163	63228	1.14	ng/ul	99
49) Acenaphthene	14.61	153	87045	1.93	ng/ul	94
53) Dibenzofuran	14.94	168	70712	1.06	ng/ul	95
58) Fluorene	15.59	166	100403	1.84	ng/ul#	92
69) Phenanthrene	17.34	178	2264416	24.35	ng/ul	99
71) Anthracene	17.42	178	213929	2.20	ng/ul	97
72) Carbazole	17.71	167	306386	3.73	ng/ul	100
74) Fluoranthene	19.34	202	7272165	63.60	ng/ul	99
77) Pyrene	19.71	202	5669346	39.38	ng/ul	98
80) Benzo(a)anthracene	21.44	228	2315353	14.69	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.32	149	83139	1.12	ng/ul	99
82) Chrysene	21.50	228	3221075	22.62	ng/ul	98
85) Benzo(b)fluoranthene	23.09	252	4162717	30.25	ng/ul	99
86) Benzo(k)fluoranthene	23.09	252	4162717	31.66	ng/ul#	97
88) Benzo(a)pyrene	23.70	252	2261448	16.58	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	26.19	276	1632241	9.47	ng/ul	98
90) Dibenzo(a,h)anthracene	26.20	278	387993	2.61	ng/ul#	85
91) Benzo(g,h,i)perylene	26.94	276	1353801	9.54	ng/ul	99

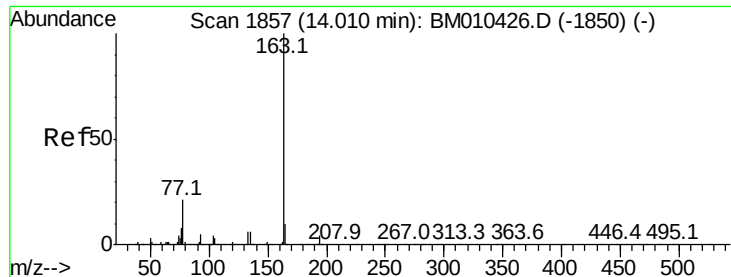
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 1.14 ng/ul

RT: 14.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Instrument :

BNA_M

ClientSampleId :

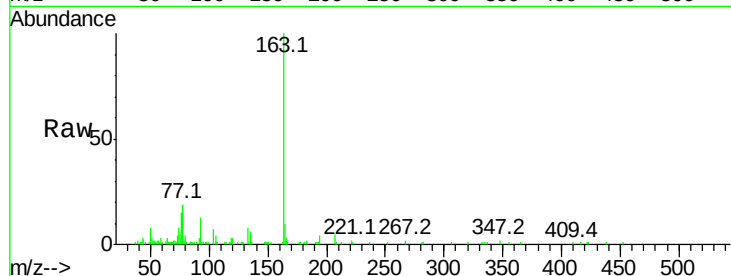
Tot Ion:163 Resp: 63228

Ion Ratio Lower Upper

163 100

194 3.6 3.5 5.3

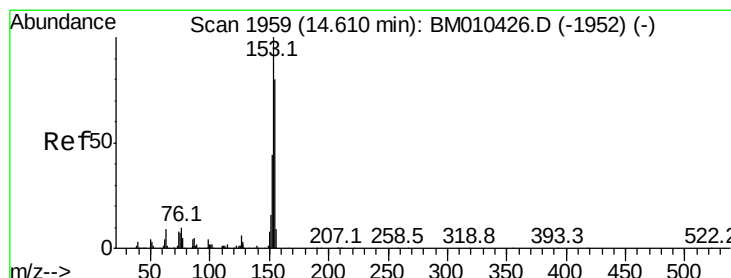
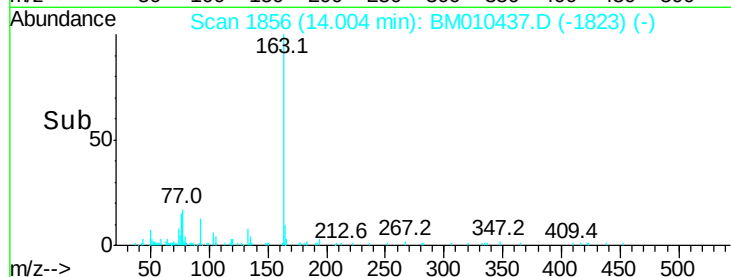
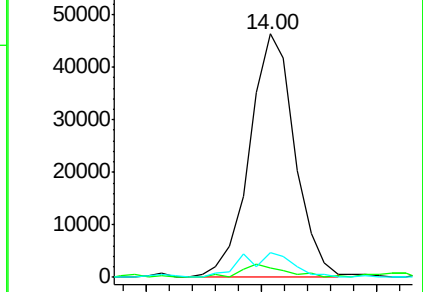
164 10.2 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 1.93 ng/ul

RT: 14.61 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

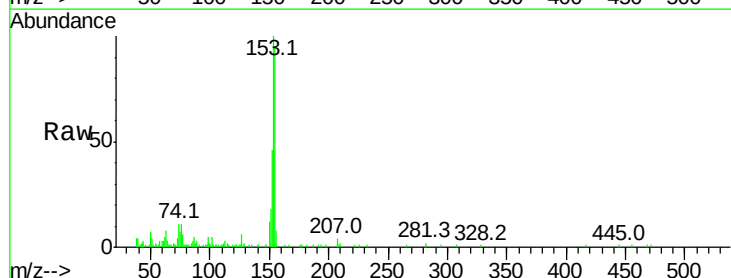
Tgt Ion:153 Resp: 87045

Ion Ratio Lower Upper

153 100

152 45.7 37.6 56.4

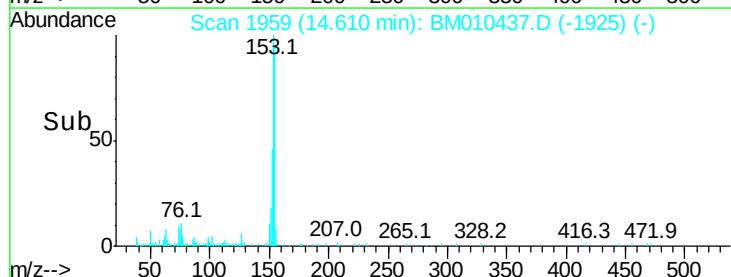
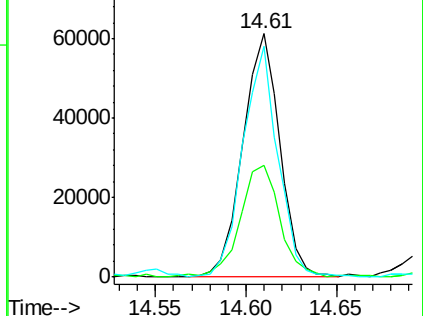
154 95.0 70.4 105.6

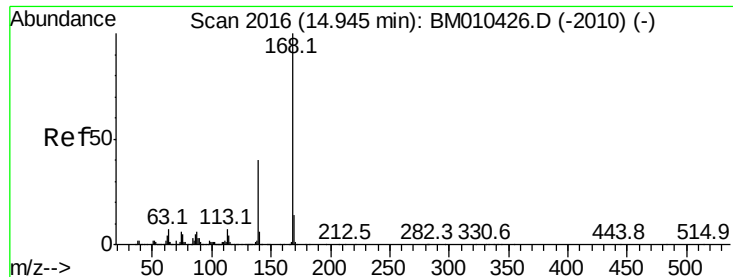


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 1.06 ng/ul

RT: 14.94 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Instrument :

BNA_M

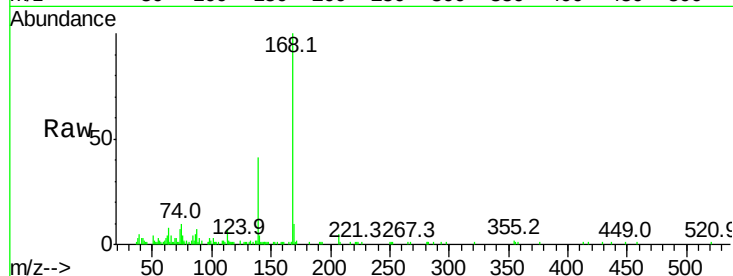
ClientSampleId :

Tot Ion:168 Resp: 70712

Ion Ratio Lower Upper

168 100

139 41.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.94

60000

50000

40000

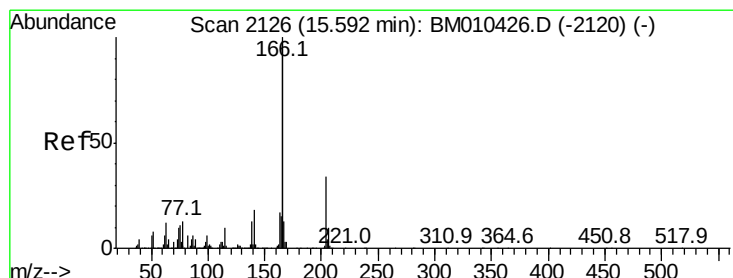
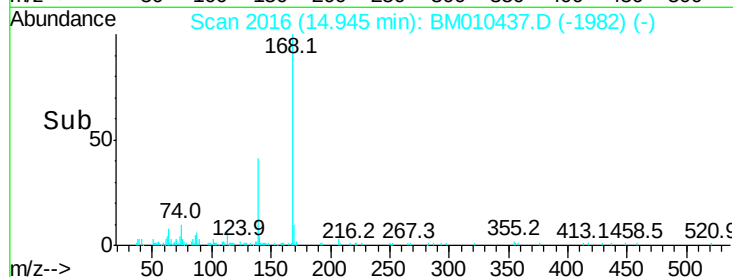
30000

20000

10000

0

Time--> 14.90 14.95



#58

Fluorene

Concen: 1.84 ng/ul

RT: 15.59 min Scan# 2126

Delta R.T. -0.00 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

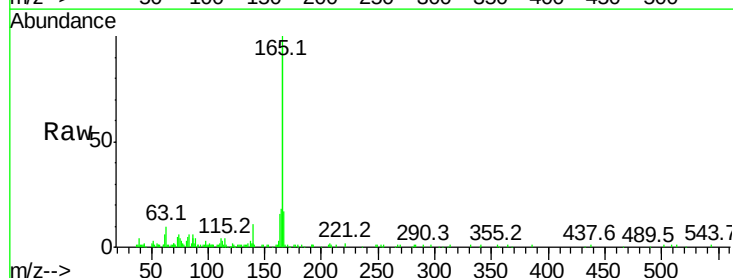
Tgt Ion:166 Resp: 100403

Ion Ratio Lower Upper

166 100

165 105.1 77.9 116.9

167 17.9 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

15.59

100000

80000

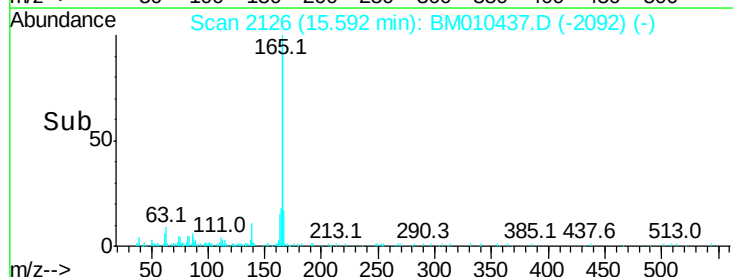
60000

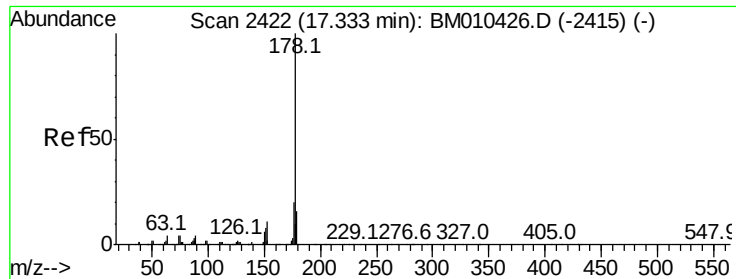
40000

20000

0

Time--> 15.55 15.60 15.65





#69

Phenanthrene

Concen: 24.35 ng/ul

RT: 17.34 min Scan# 2423

Delta R.T. 0.01 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

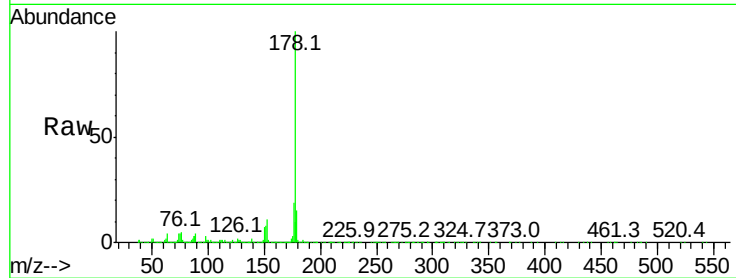
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 2264416

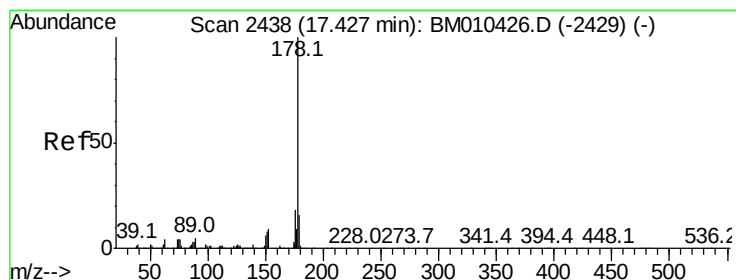
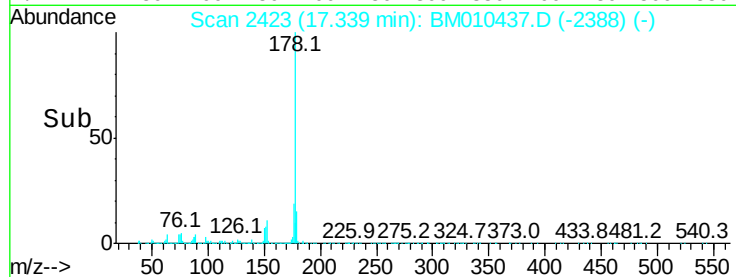
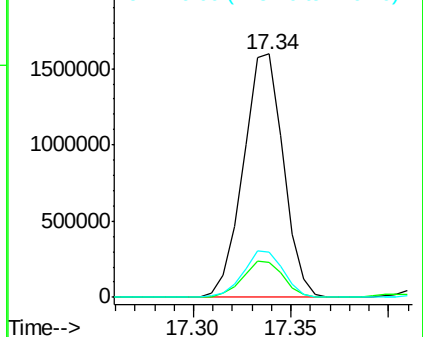
Ion	Ratio	Lower	Upper
178	100		
179	14.6	12.6	19.0
176	18.6	14.9	22.3



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: 2.20 ng/ul

RT: 17.42 min Scan# 2437

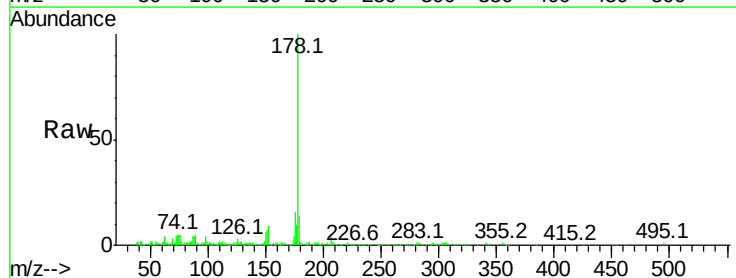
Delta R.T. -0.01 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Tgt Ion:178 Resp: 213929

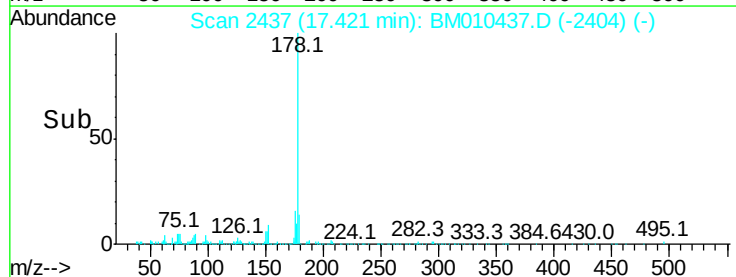
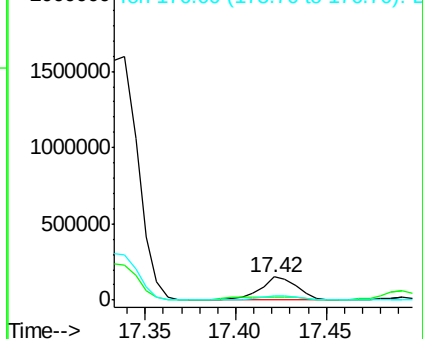
Ion	Ratio	Lower	Upper
178	100		
179	14.3	11.7	17.5
176	16.4	14.6	21.8

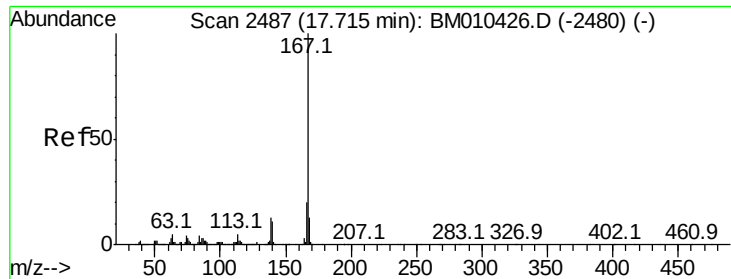


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 3.73 ng/ul

RT: 17.71 min Scan# 2486

Delta R.T. -0.01 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Instrument :

BNA_M

ClientSampleId :

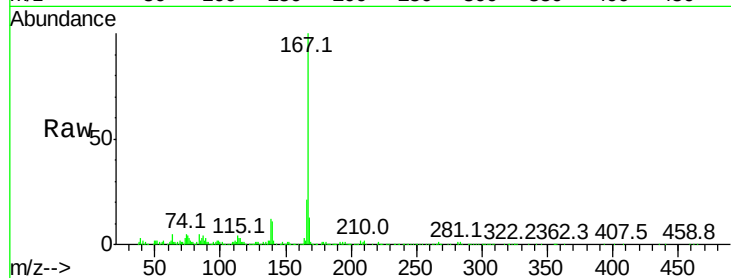
Tot Ion:167 Resp: 306386

Ion Ratio Lower Upper

167 100

166 21.4 17.1 25.7

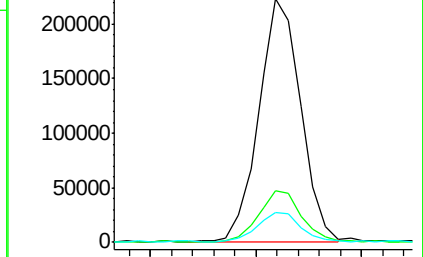
139 12.4 10.0 15.0



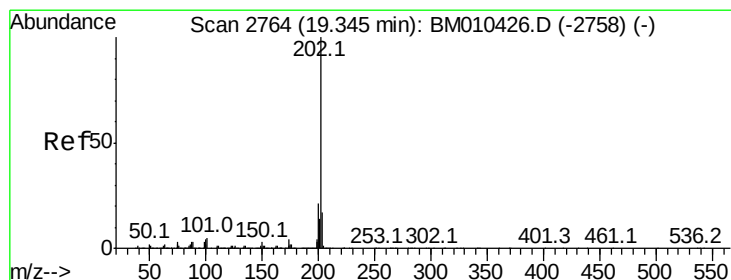
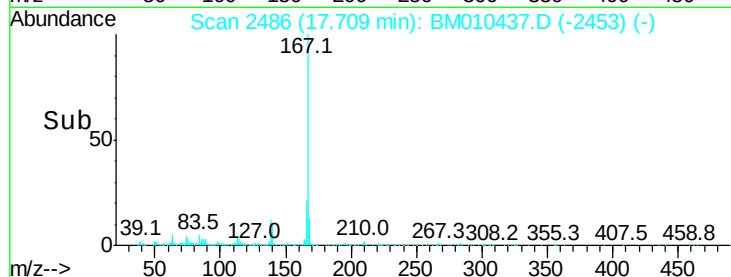
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Fluoranthene

Concen: 63.60 ng/ul

RT: 19.34 min Scan# 2764

Delta R.T. -0.00 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

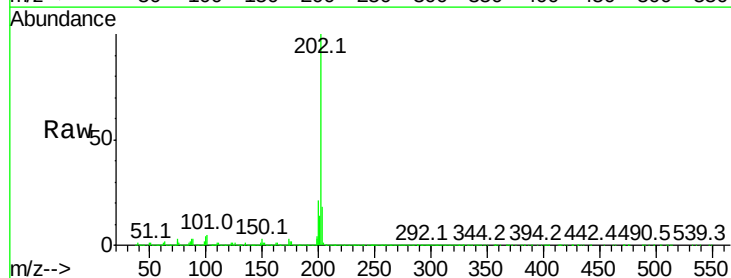
Tgt Ion:202 Resp: 7272165

Ion Ratio Lower Upper

202 100

101 5.1 4.6 7.0

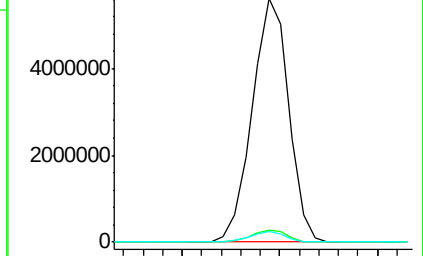
100 4.2 3.4 5.2



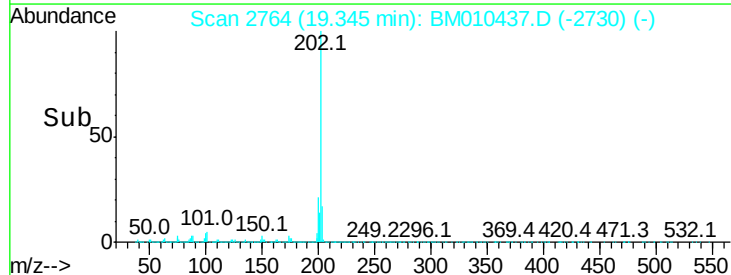
Abundance Ion 202.00 (201.70 to 202.70): E

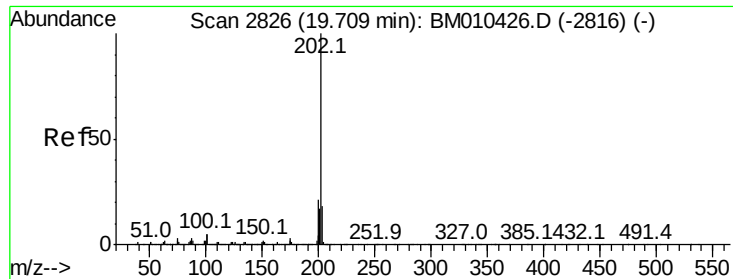
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#77

Pvrene

Concen: 39.38 ng/ul

RT: 19.71 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

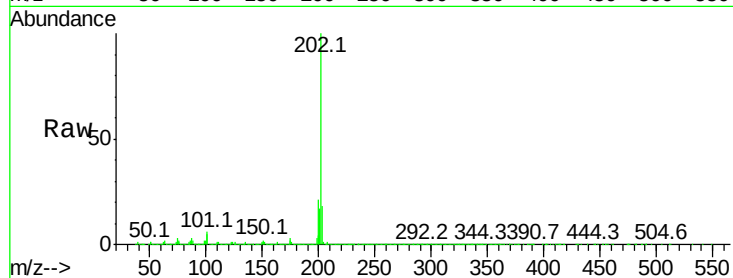
Instrument :

BNA_M

ClientSampleId :

Tot Ion:202 Resp: 5669346

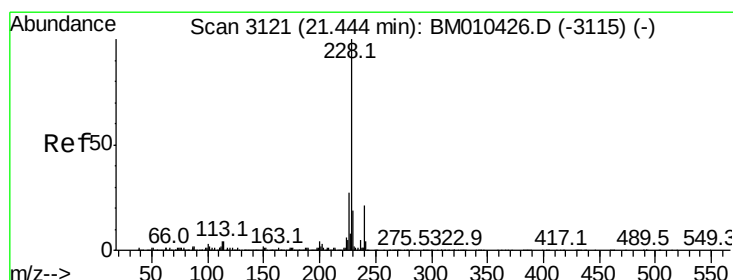
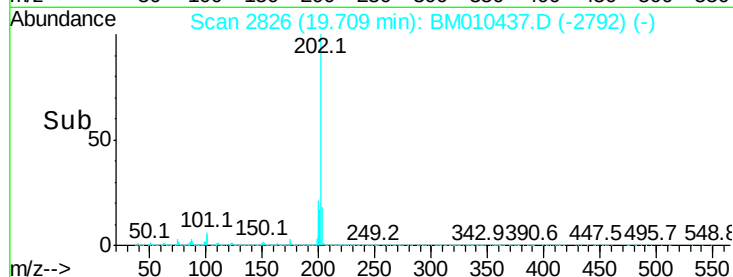
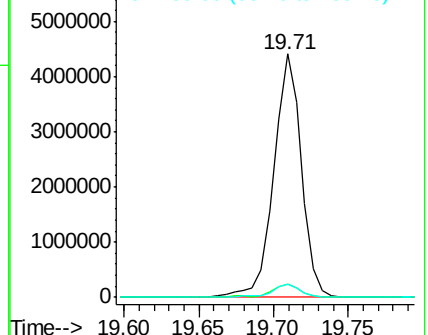
Ion	Ratio	Lower	Upper
202	100		
101	5.5	5.1	7.7
100	5.3	4.9	7.3



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: 14.69 ng/ul

RT: 21.44 min Scan# 3121

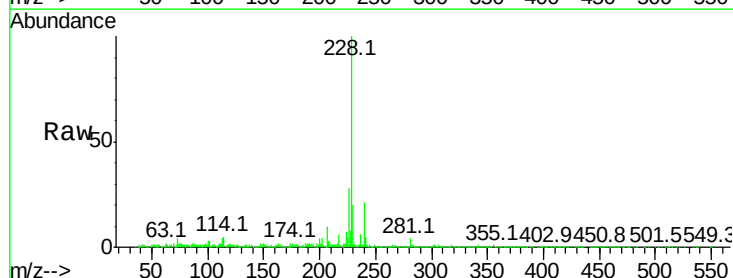
Delta R.T. -0.00 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Tgt Ion:228 Resp: 2315353

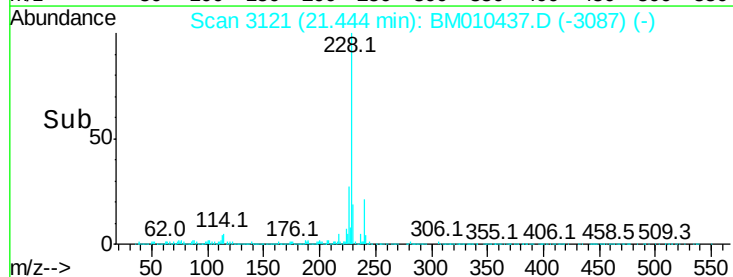
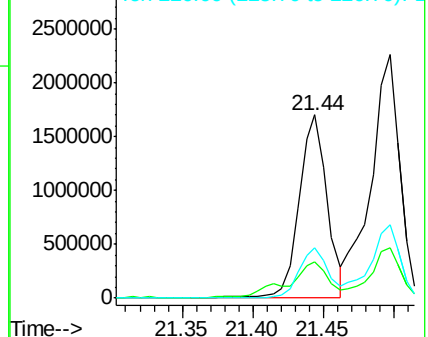
Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.4	23.0
226	27.6	21.4	32.0

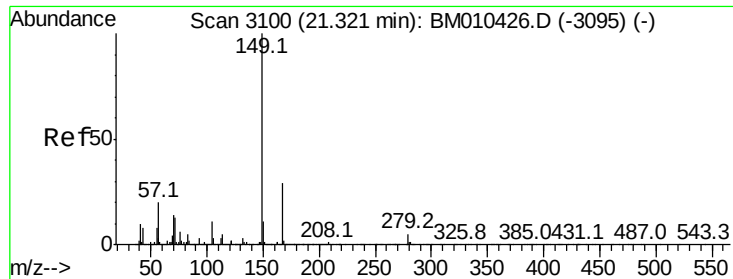


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

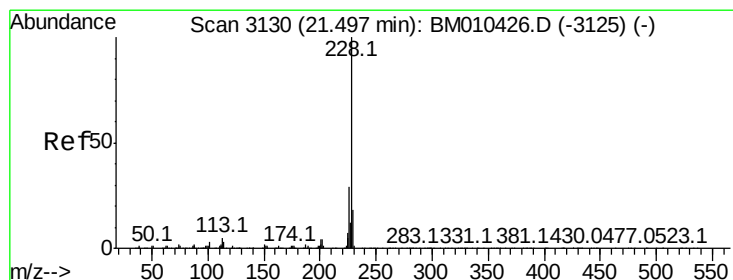
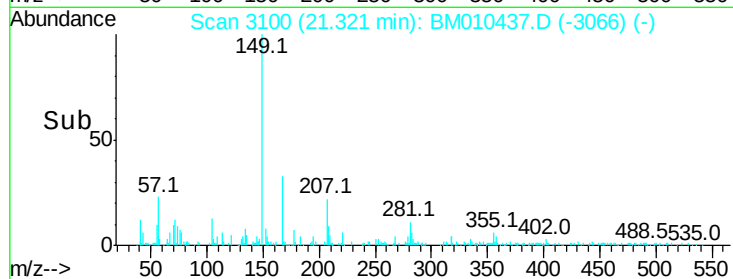
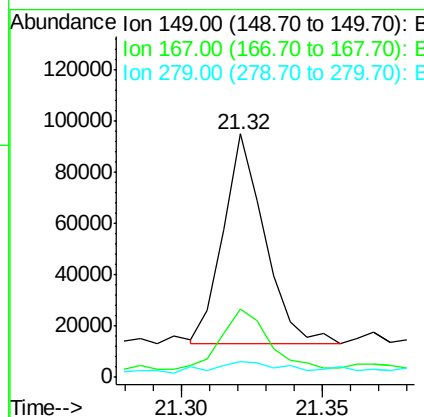
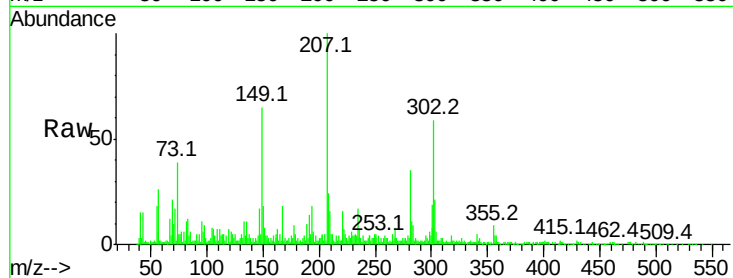




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 1.12 ng/ul
 RT: 21.32 min Scan# 3100
 Delta R.T. -0.00 min
 Lab File: BM010437.D
 Acq: 07 Jun 2017 17:15

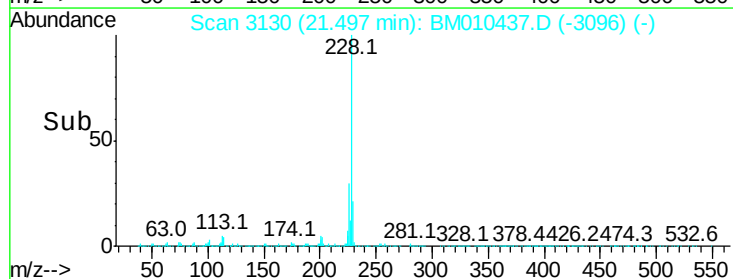
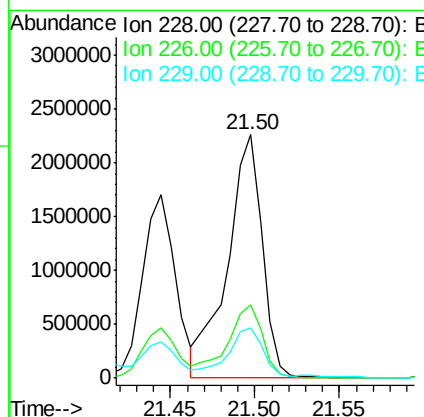
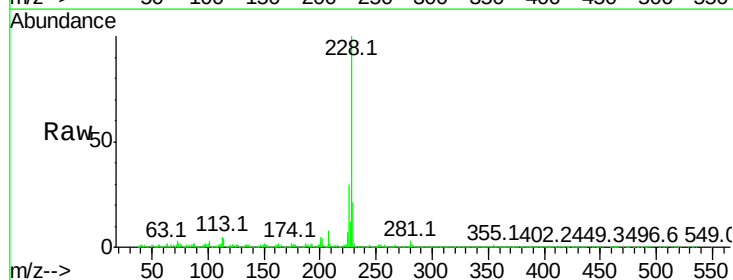
Instrument :
 BNA_M
 ClientSampleId :

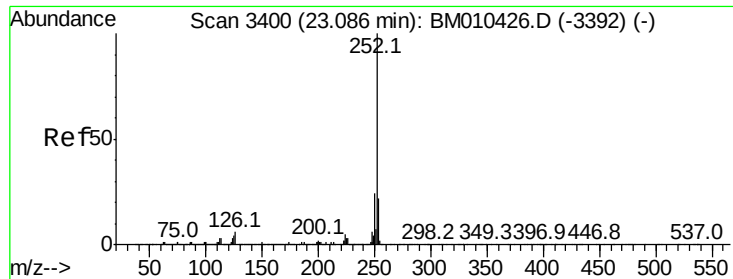
Tot Ion:149 Resp: 83139
 Ion Ratio Lower Upper
 149 100
 167 27.8 22.8 34.2
 279 6.3 4.9 7.3



#82
 Chrysene
 Concen: 22.62 ng/ul
 RT: 21.50 min Scan# 3130
 Delta R.T. -0.00 min
 Lab File: BM010437.D
 Acq: 07 Jun 2017 17:15

Tgt Ion:228 Resp: 3221075
 Ion Ratio Lower Upper
 228 100
 226 30.1 23.4 35.2
 229 20.9 15.5 23.3

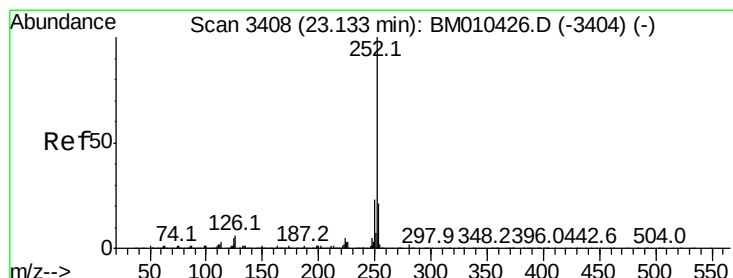
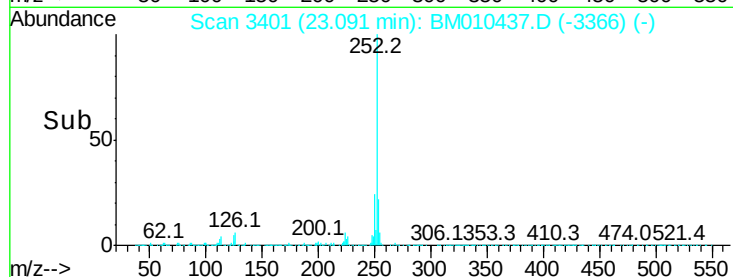
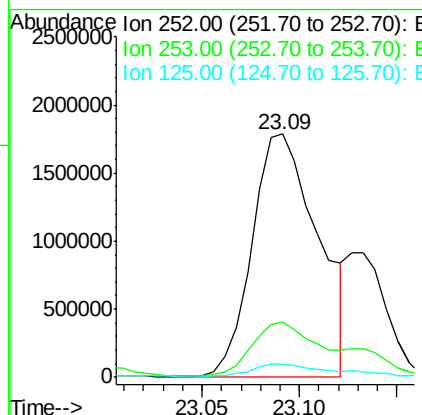
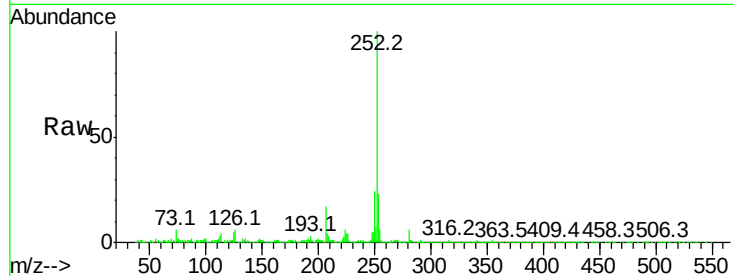




#85
Benzo(b)fluoranthene
Concen: 30.25 ng/ul
RT: 23.09 min Scan# 3401
Delta R.T. 0.01 min
Lab File: BM010437.D
Acq: 07 Jun 2017 17:15

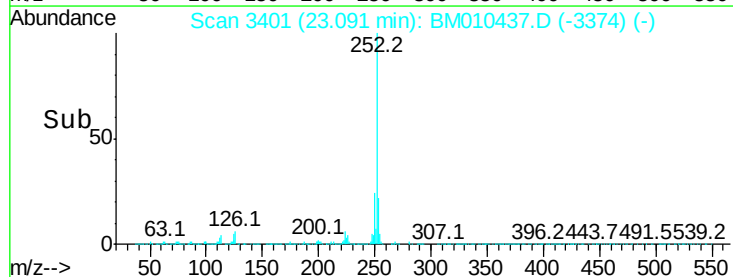
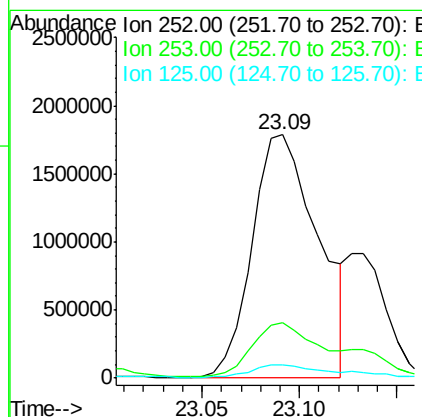
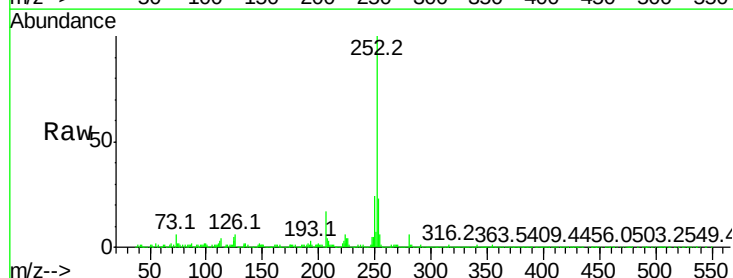
Instrument :
BNA_M
ClientSampleId :

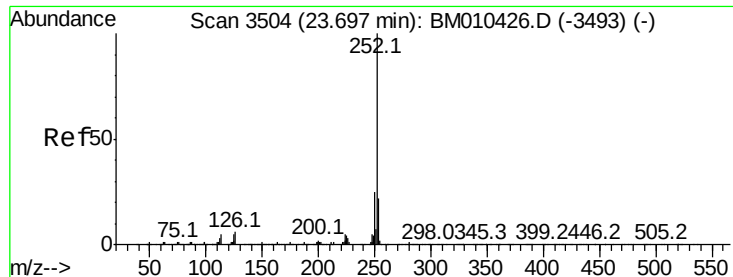
Tot Ion:252 Resp: 4162717
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 5.2 3.6 5.4



#86
Benzo(k)fluoranthene
Concen: 31.66 ng/ul
RT: 23.09 min Scan# 3401
Delta R.T. -0.04 min
Lab File: BM010437.D
Acq: 07 Jun 2017 17:15

Tgt Ion:252 Resp: 4162717
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 5.2 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 16.58 ng/ul

RT: 23.70 min Scan# 3505

Delta R.T. 0.01 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Instrument :

BNA_M

ClientSampleId :

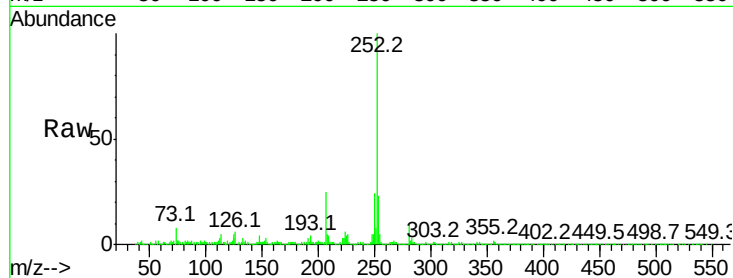
Tot Ion:252 Resp: 2261448

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	5.3	4.0	6.0

252 100

253 23.0 18.2 27.2

125 5.3 4.0 6.0

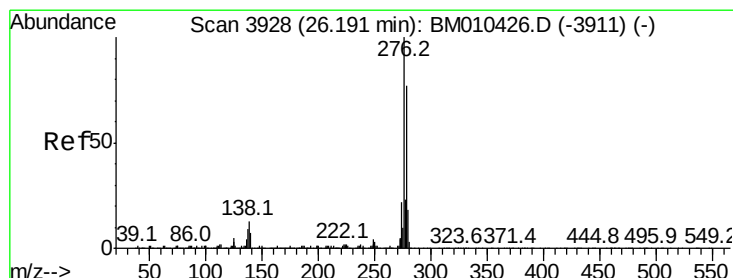
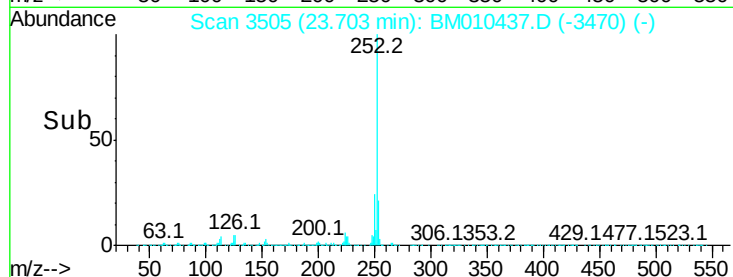
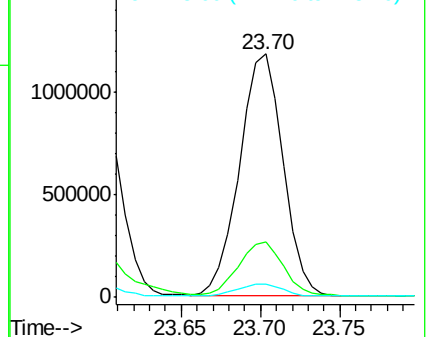


Abundance

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: 9.47 ng/ul

RT: 26.19 min Scan# 3928

Delta R.T. -0.00 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

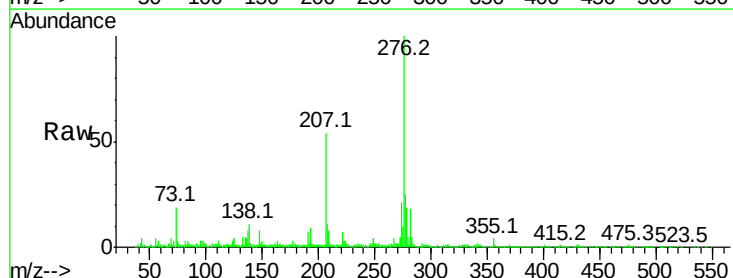
Tgt Ion:276 Resp: 1632241

Ion	Ratio	Lower	Upper
276	100		
138	10.6	9.3	13.9
277	25.5	19.9	29.9

276 100

138 10.6 9.3 13.9

277 25.5 19.9 29.9

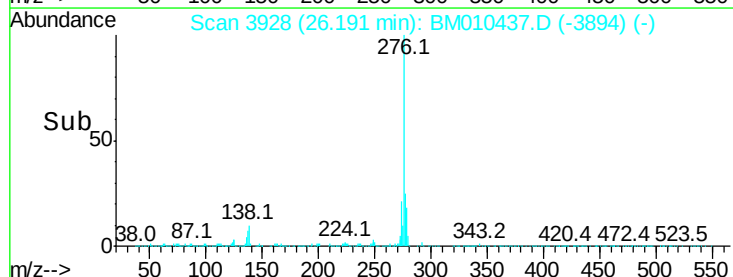
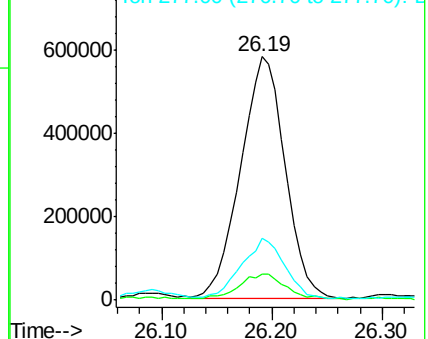


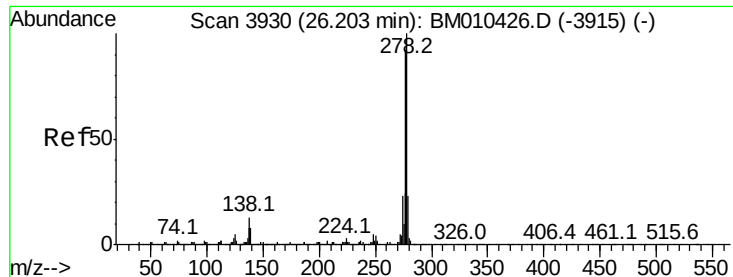
Abundance

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: 2.61 ng/ul

RT: 26.20 min Scan# 3929

Delta R.T. -0.01 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Instrument :

BNA_M

ClientSampleId :

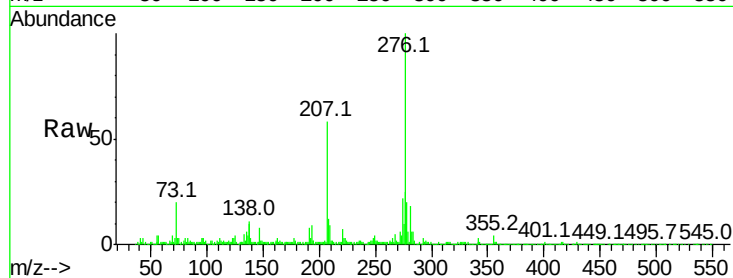
Tot Ion:278 Resp: 387993

Ion	Ratio	Lower	Upper
278	100		
139	15.1	5.8	8.8#
279	29.3	18.6	27.8#

278 100

139 15.1 5.8 8.8#

279 29.3 18.6 27.8#

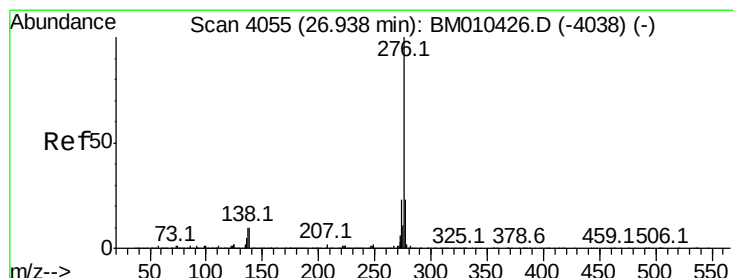
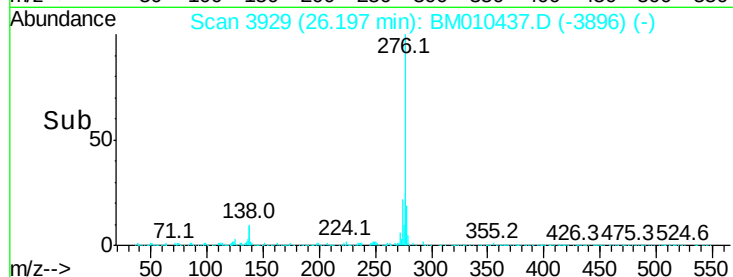
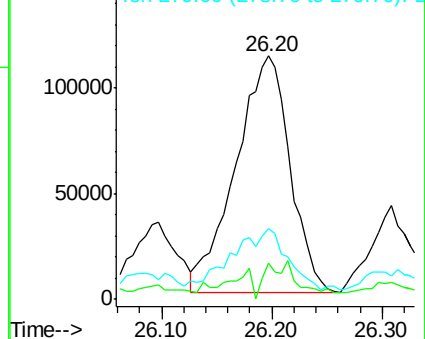


Abundance

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(g,h,i)perylene

Concen: 9.54 ng/ul

RT: 26.94 min Scan# 4055

Delta R.T. -0.00 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

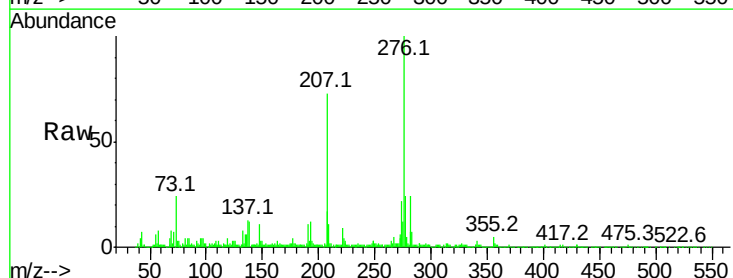
Tgt Ion:276 Resp: 1353801

Ion	Ratio	Lower	Upper
276	100		
138	11.6	8.5	12.7
277	23.7	18.6	28.0

276 100

138 11.6 8.5 12.7

277 23.7 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

