

Data File : BM010341.D

Acq On : 31 May 2017 20:44

Operator : SJ/MA

Sample : I3369-02

Misc :

ALS Vial : 14 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

C0AA1

Quant Time: Jun 01 01:29:11 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 01 01:28:02 2017

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	339224	20.00	ng/ul	0.00
18) Naphthalene-d8	10.73	136	1227575	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.56	164	746561	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.30	188	1735290	20.00	ng/ul	0.00
75) Chrysene-d12	21.47	240	2372976	20.00	ng/ul	0.00
83) Perylene-d12	23.81	264	2404572	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.38	96	32389	3.92	ng/uL	0.00
5) Phenol-d5	7.10	99	535837	20.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	310892	21.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.46	132	468898	22.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.65	113	407638	19.65	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	208935	23.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.82	143	246171	23.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.35	165	477693	22.32	ng/ul	0.00
29) 4-Chloroaniline-d4	10.89	131	491691	23.82	ng/ul	0.00
43) Dimethylphthalate-d6	13.97	166	1540833	24.84	ng/ul	0.00
46) Acenaphthylene-d8	14.26	160	1755938	24.27	ng/ul	0.00
51) 4-Nitrophenol-d4	14.80	143	158846	17.12	ng/ul	0.00
57) Fluorene-d10	15.54	176	1291279	23.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.67	200	240294	19.55	ng/ul	0.00
70) Anthracene-d10	17.40	188	1981718	23.47	ng/ul	0.00
76) Pyrene-d10	19.69	212	2503452	25.51	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.66	264	2729036	24.38	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	7.13	94	30745	1.17 ng/ul	93
44) Dimethylphthalate	14.02	163	332566	5.45 ng/ul	99
49) Acenaphthene	14.62	153	138515	2.79 ng/ul	88
53) Dibenzofuran	14.96	168	96523	1.32 ng/ul	99
58) Fluorene	15.60	166	124776	2.07 ng/ul	100
69) Phenanthrene	17.34	178	2183781	23.57 ng/ul	99
71) Anthracene	17.43	178	321487	3.32 ng/ul	98
72) Carbazole	17.72	167	196166	2.40 ng/ul	97
74) Fluoranthene	19.35	202	3574011	31.37 ng/ul	98
77) Pyrene	19.72	202	3181898	26.02 ng/ul	99
78) Butylbenzylphthalate	20.59	149	53590	1.27 ng/ul	94
80) Benzo(a)anthracene	21.45	228	1673481	12.51 ng/ul	100
82) Chrysene	21.50	228	1659928	13.72 ng/ul	95
85) Benzo(b)fluoranthene	23.10	252	2281259	16.30 ng/ul	99
86) Benzo(k)fluoranthene	23.10	252	2281259	17.07 ng/ul#	98
88) Benzo(a)pyrene	23.71	252	1555481	11.22 ng/ul	98
89) Indeno(1,2,3-cd)pyrene	26.20	276	1111192	6.34 ng/ul	97
90) Dibenz(a,h)anthracene	26.20	278	274571	1.82 ng/ul#	95
91) Benzo(g,h,i)perylene	26.94	276	1094275	7.58 ng/ul	95

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

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BNA_M

ClientSampleId :

C0AA1

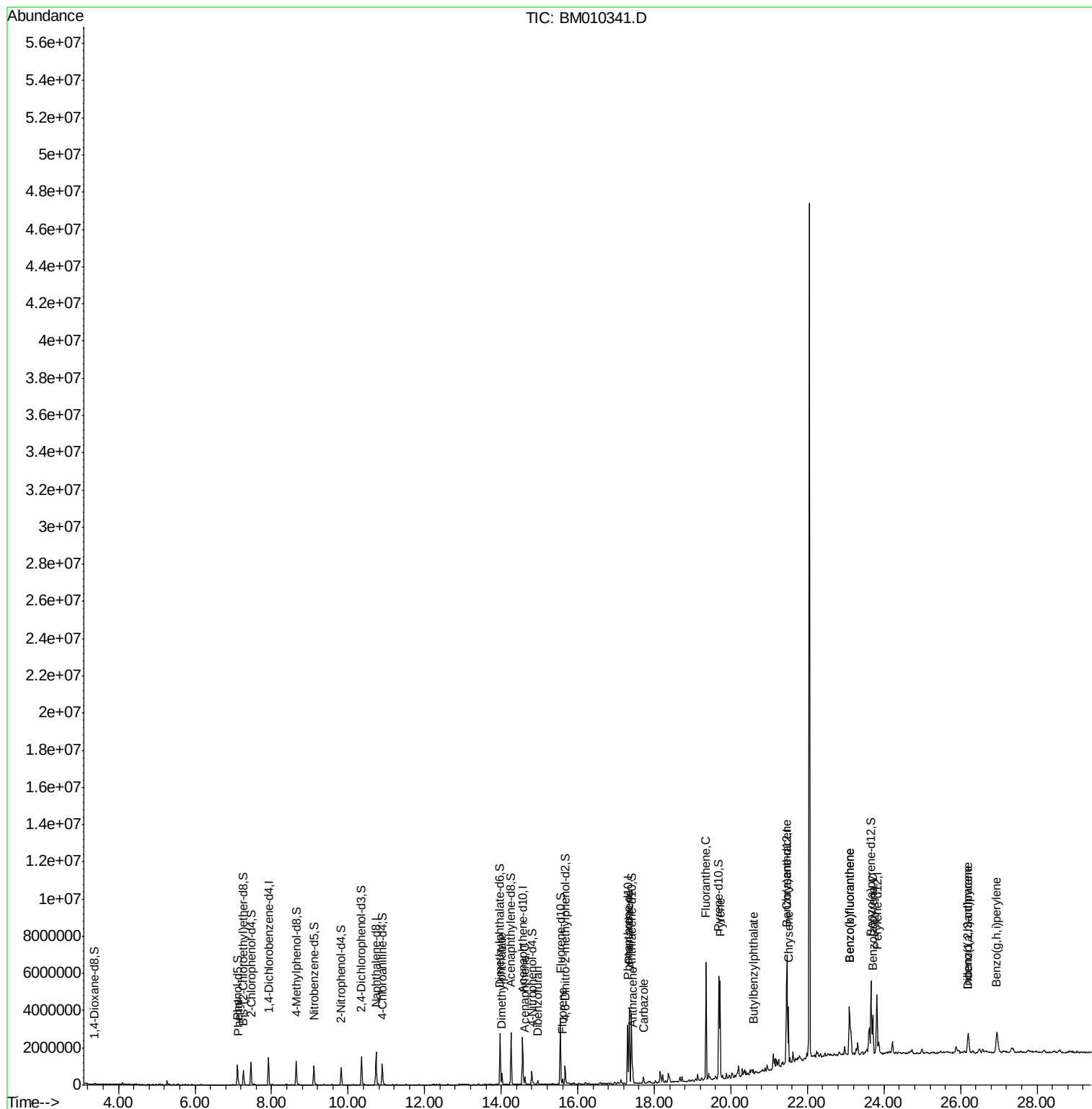
Quant Time: Jun 01 01:29:11 2017

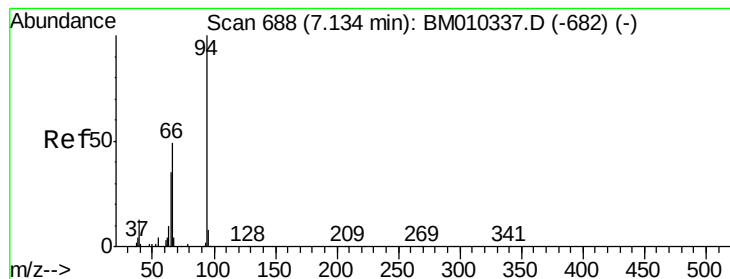
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 01 01:28:02 2017

Response via : Initial Calibration





#6

Phenol

Concen: 1.17 ng/ul

RT: 7.13 min Scan# 688

Delta R.T. 0.00 min

Lab File: BM010341.D

Acq: 31 May 2017 20:44

Instrument :

BNA_M

ClientSampleId :

C0AA1

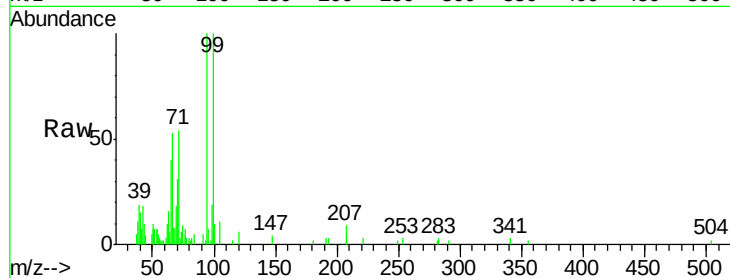
Tgt Ion: 94 Resp: 30745

Ion Ratio Lower Upper

94 100

65 39.7 28.2 42.4

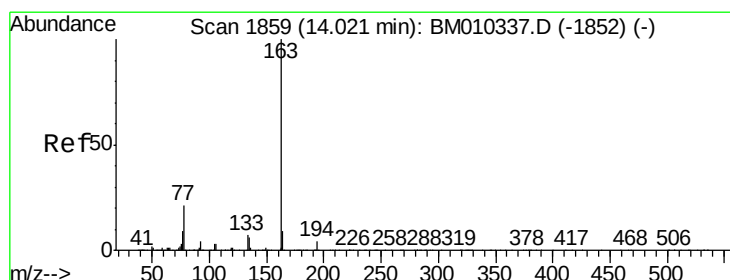
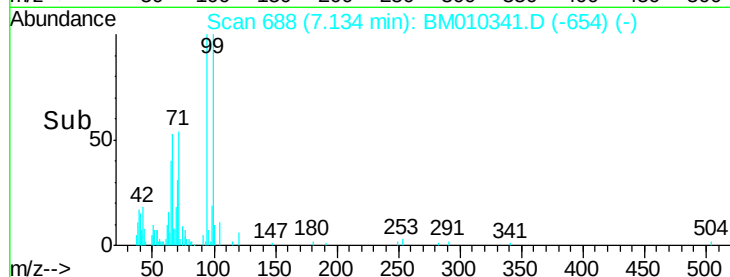
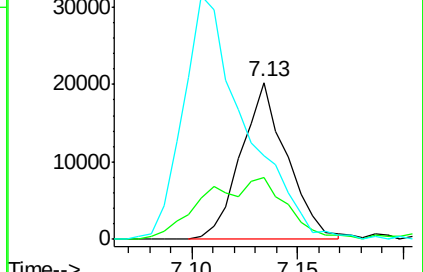
66 53.6 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM010337.D (-682) (-)

Ion 65.00 (64.70 to 65.70): BM010337.D (-682) (-)

Ion 66.00 (65.70 to 66.70): BM010337.D (-682) (-)



#44

Dimethylphthalate

Concen: 5.45 ng/ul

RT: 14.02 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BM010341.D

Acq: 31 May 2017 20:44

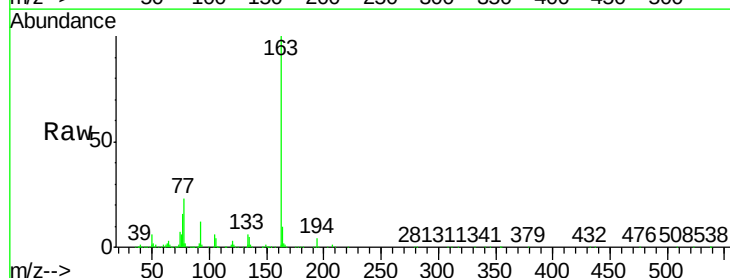
Tgt Ion: 163 Resp: 332566

Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

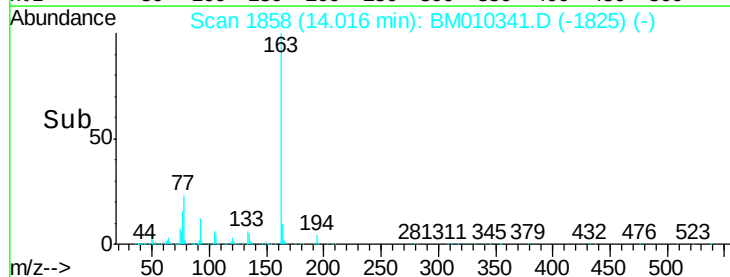
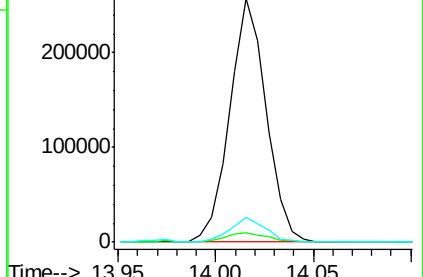
164 10.2 8.2 12.4

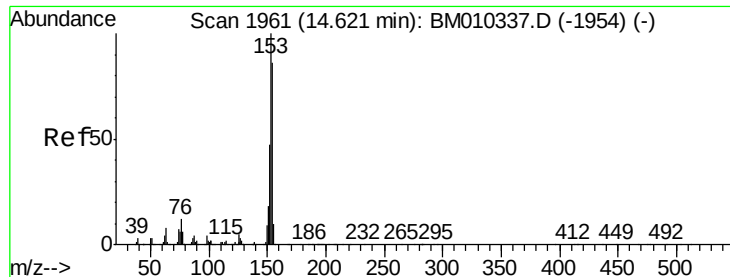


Abundance Ion 163.00 (162.70 to 163.70): BM010337.D (-1852) (-)

Ion 194.00 (193.70 to 194.70): BM010337.D (-1852) (-)

Ion 164.00 (163.70 to 164.70): BM010337.D (-1852) (-)





#49

Acenaphthene

Concen: 2.79 ng/ul

RT: 14.62 min Scan# 1961

Delta R.T. 0.00 min

Lab File: BM010341.D

Acq: 31 May 2017 20:44

Instrument :

BNA_M

ClientSampleId :

C0AA1

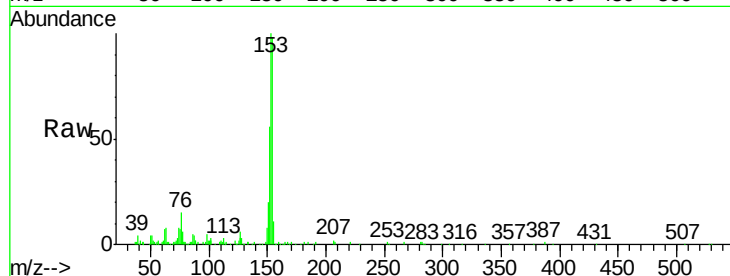
Tgt Ion:153 Resp: 138515

Ion Ratio Lower Upper

153 100

152 56.4 37.6 56.4

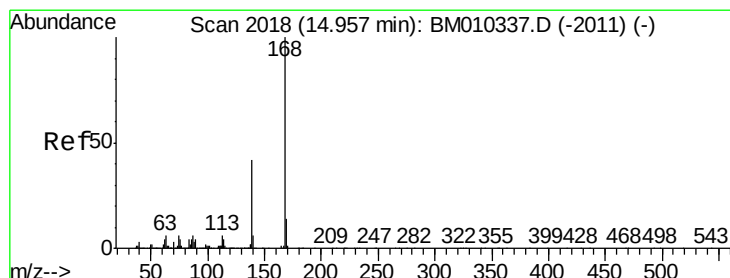
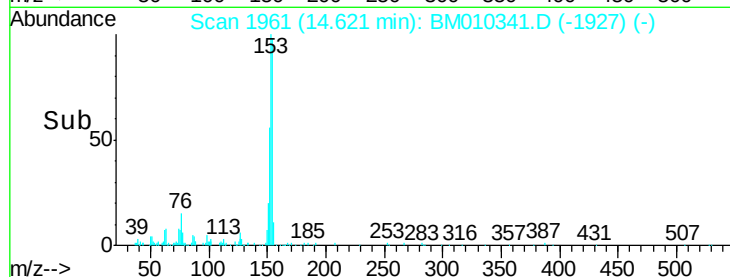
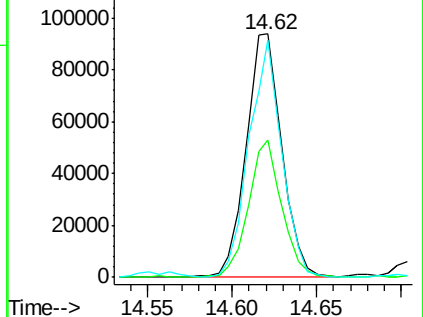
154 97.7 70.4 105.6



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: 1.32 ng/ul

RT: 14.96 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BM010341.D

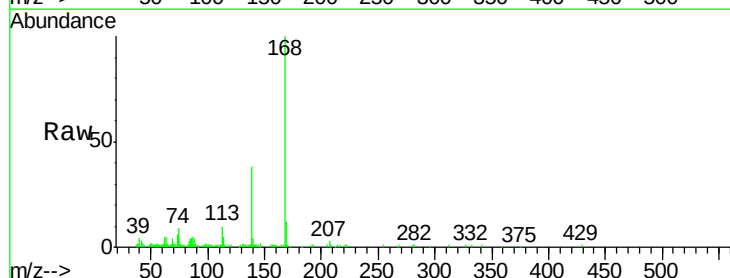
Acq: 31 May 2017 20:44

Tgt Ion:168 Resp: 96523

Ion Ratio Lower Upper

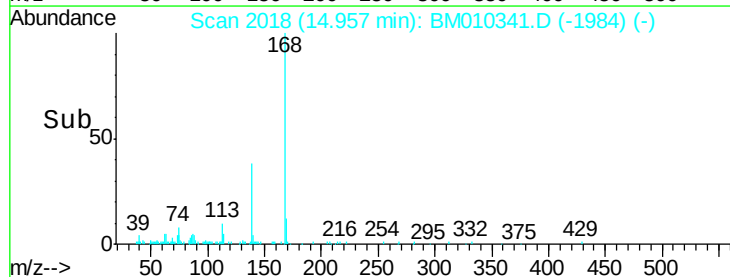
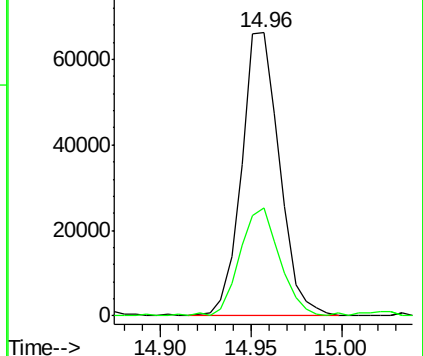
168 100

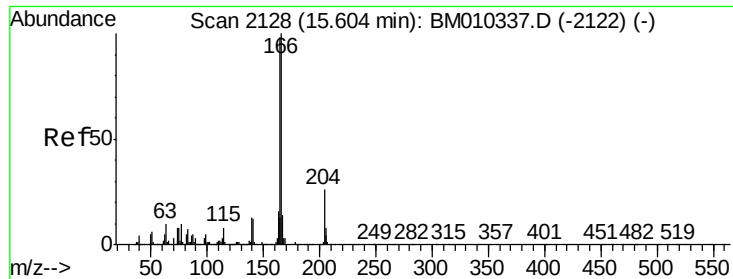
139 38.2 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.07 ng/ul

RT: 15.60 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BM010341.D

Acq: 31 May 2017 20:44

Instrument :

BNA_M

ClientSampleId :

C0AA1

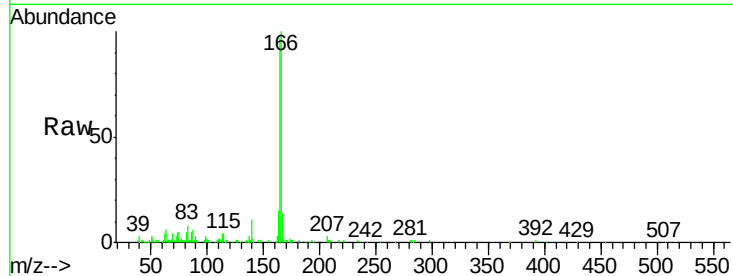
Tgt Ion:166 Resp: 124776

Ion Ratio Lower Upper

166 100

165 97.3 77.9 116.9

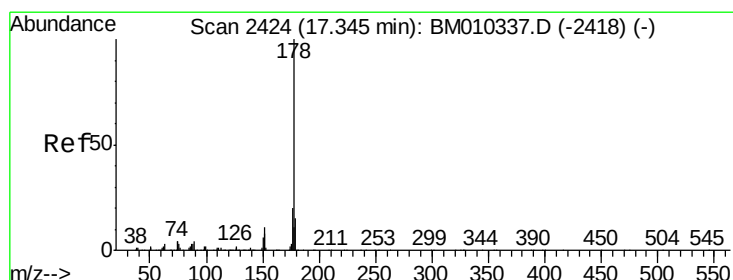
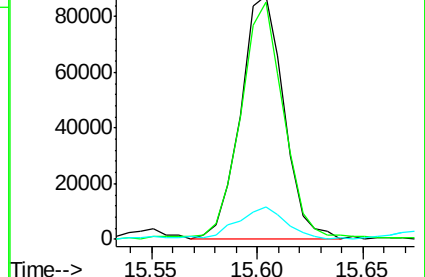
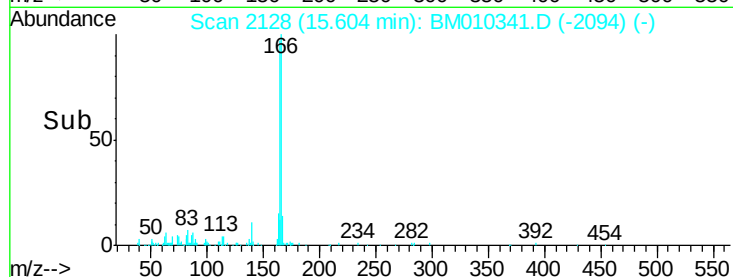
167 13.6 10.6 16.0



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: 23.57 ng/ul

RT: 17.34 min Scan# 2424

Delta R.T. 0.00 min

Lab File: BM010341.D

Acq: 31 May 2017 20:44

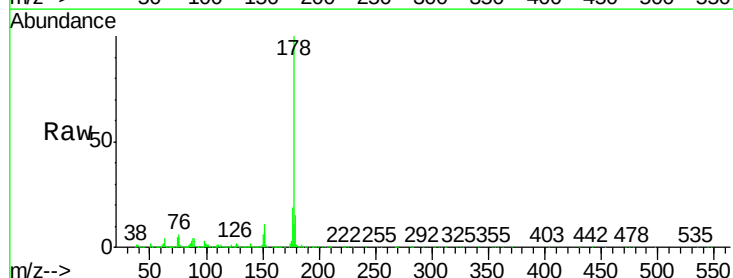
Tgt Ion:178 Resp: 2183781

Ion Ratio Lower Upper

178 100

179 15.1 12.6 19.0

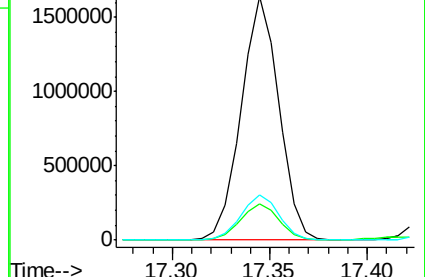
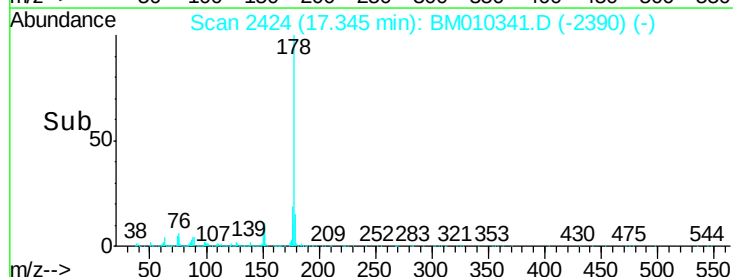
176 18.8 14.9 22.3

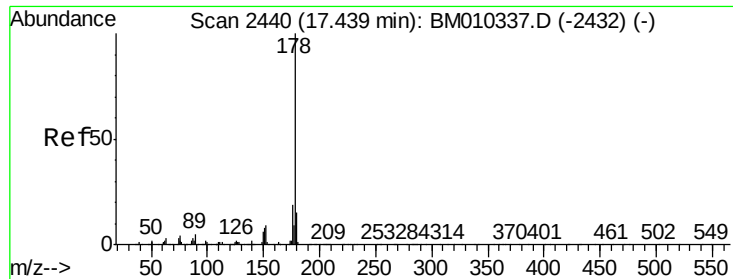


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 3.32 ng/ul

RT: 17.43 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BM010341.D

Acq: 31 May 2017 20:44

Instrument :

BNA_M

ClientSampleId :

C0AA1

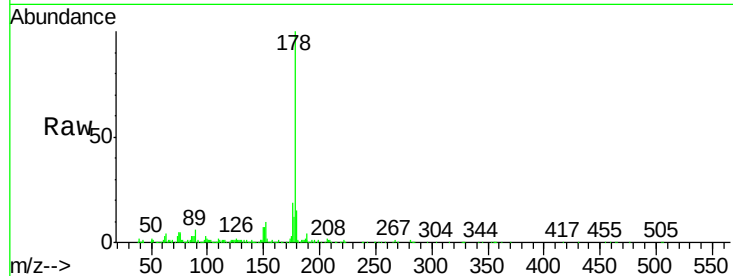
Tgt Ion:178 Resp: 321487

Ion Ratio Lower Upper

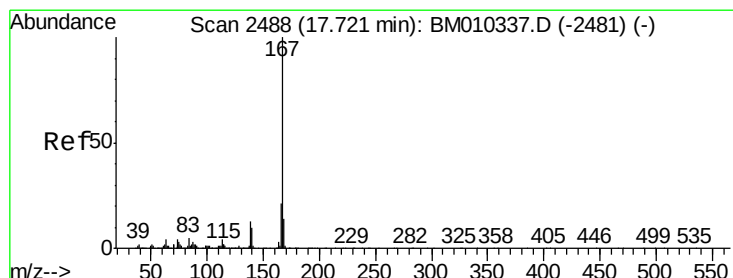
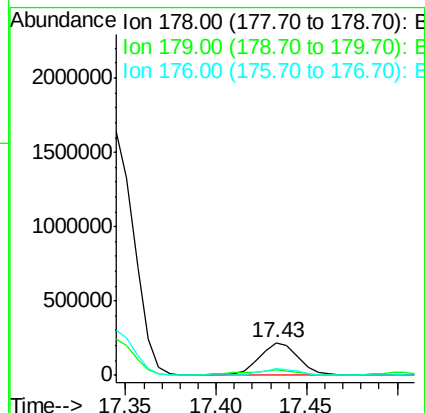
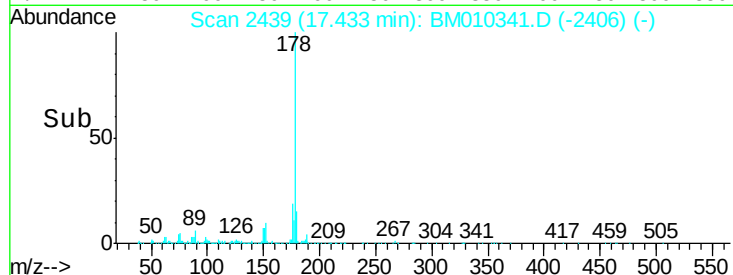
178 100

179 15.5 11.7 17.5

176 19.4 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: 2.40 ng/ul

RT: 17.72 min Scan# 2488

Delta R.T. 0.00 min

Lab File: BM010341.D

Acq: 31 May 2017 20:44

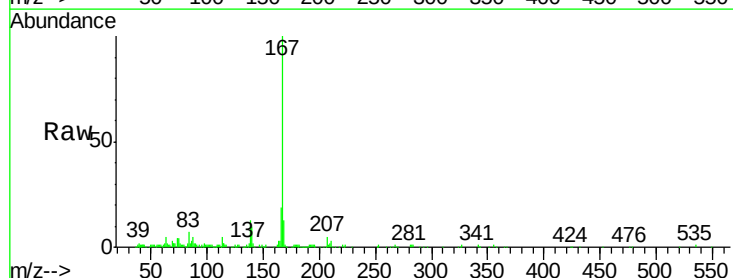
Tgt Ion:167 Resp: 196166

Ion Ratio Lower Upper

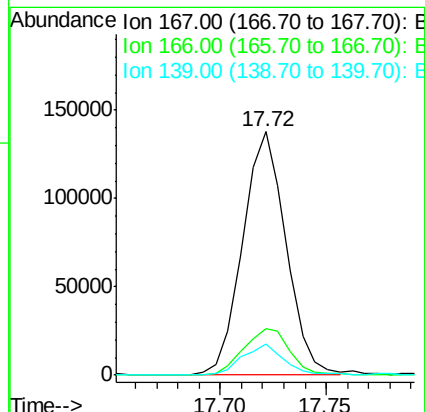
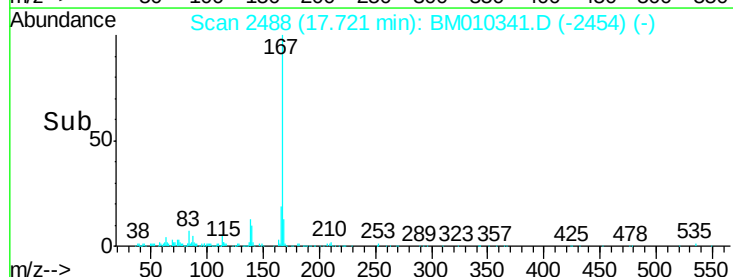
167 100

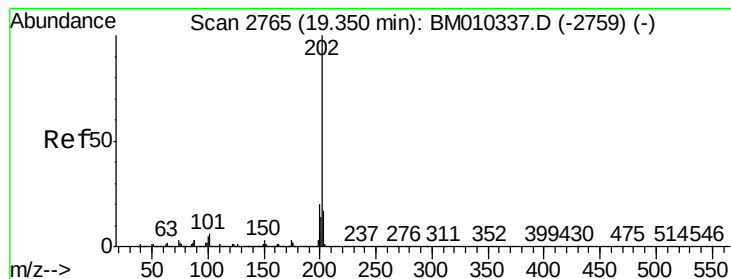
166 19.3 17.1 25.7

139 12.9 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: 31.37 ng/ul

RT: 19.35 min Scan# 2765

Delta R.T. 0.00 min

Lab File: BM010341.D

Acq: 31 May 2017 20:44

Instrument :

BNA_M

ClientSampleId :

C0AA1

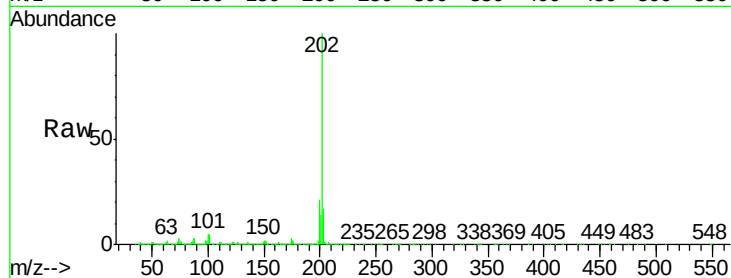
Tgt Ion:202 Resp: 3574011

Ion Ratio Lower Upper

202 100

101 5.1 4.6 7.0

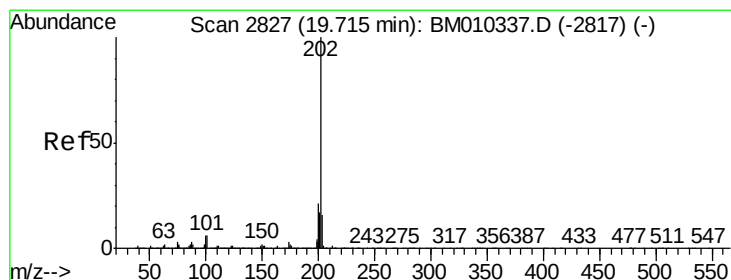
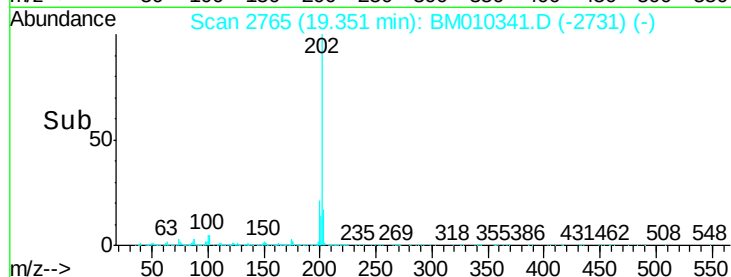
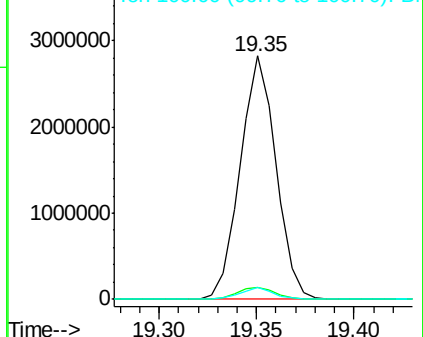
100 4.7 3.4 5.2



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: 26.02 ng/ul

RT: 19.72 min Scan# 2827

Delta R.T. 0.00 min

Lab File: BM010341.D

Acq: 31 May 2017 20:44

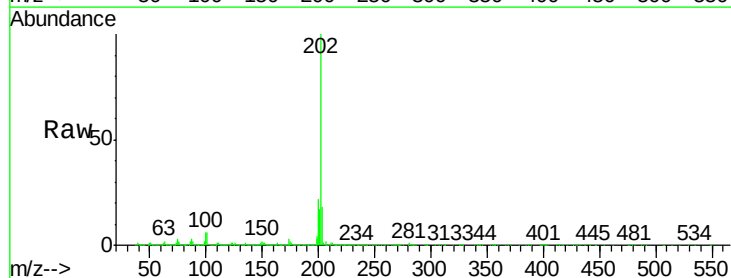
Tgt Ion:202 Resp: 3181898

Ion Ratio Lower Upper

202 100

101 6.4 5.1 7.7

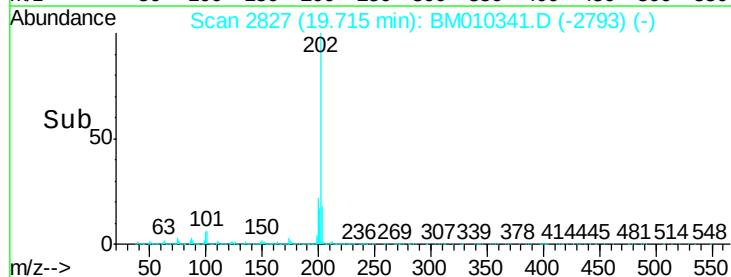
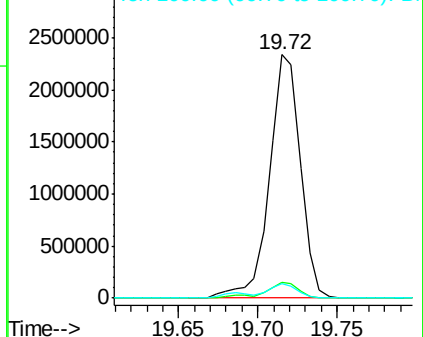
100 5.7 4.9 7.3

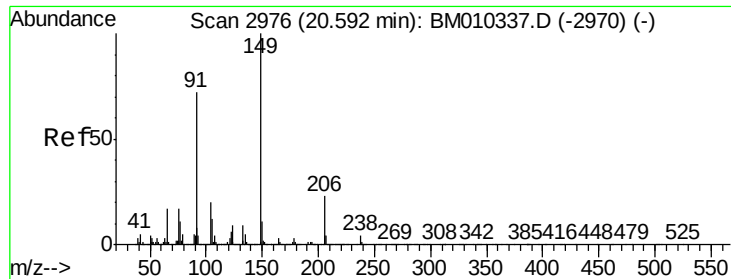


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#78

Butylbenzylphthalate

Concen: 1.27 ng/ul

RT: 20.59 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BM010341.D

Acq: 31 May 2017 20:44

Instrument :

BNA_M

ClientSampleId :

C0AA1

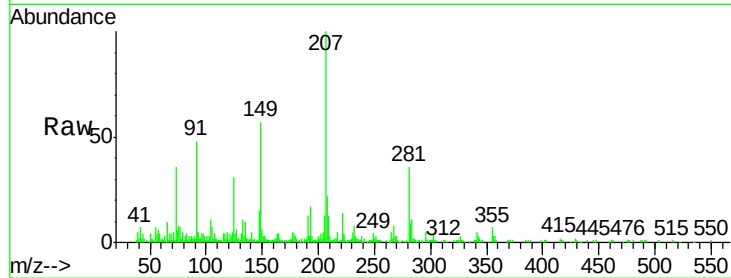
Tgt Ion:149 Resp: 53590

Ion Ratio Lower Upper

149 100

91 84.2 62.7 94.1

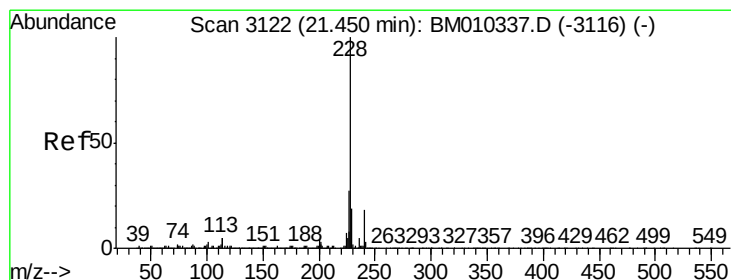
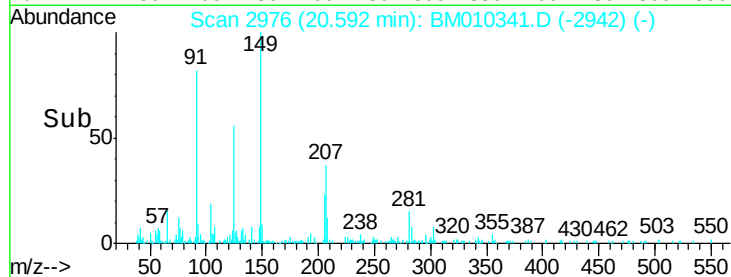
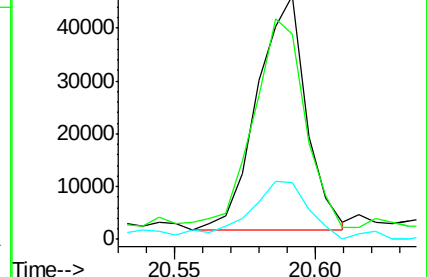
206 23.4 20.8 31.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 12.51 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM010341.D

Acq: 31 May 2017 20:44

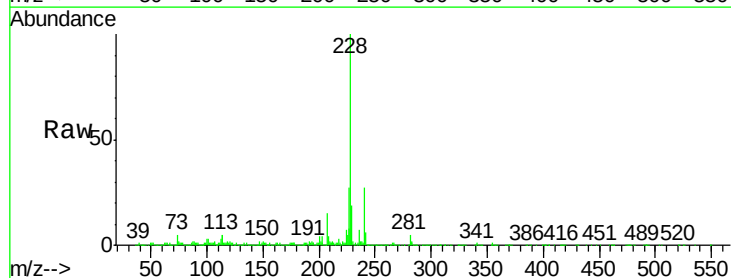
Tgt Ion:228 Resp: 1673481

Ion Ratio Lower Upper

228 100

229 19.0 15.4 23.0

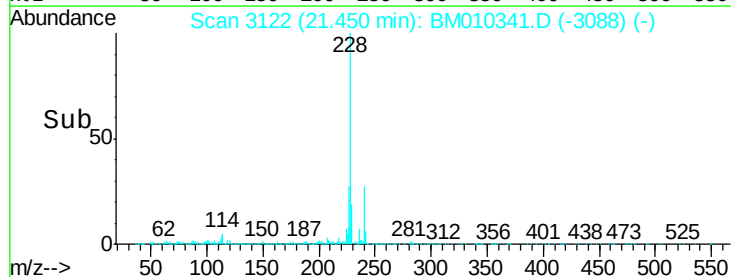
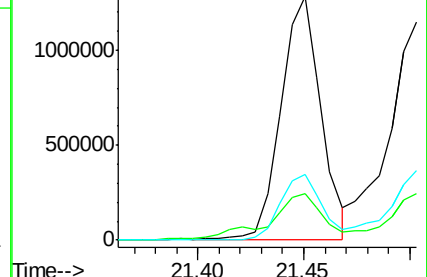
226 26.7 21.4 32.0

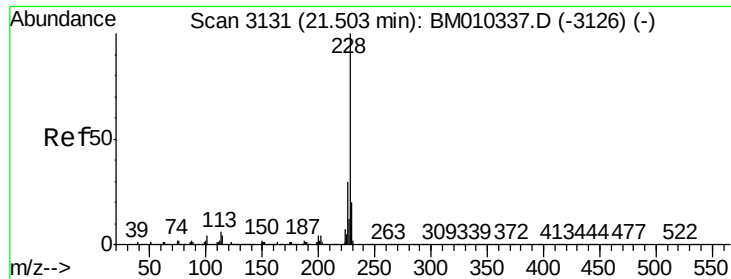


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 13.72 ng/ul

RT: 21.50 min Scan# 3131

Delta R.T. 0.00 min

Lab File: BM010341.D

Acq: 31 May 2017 20:44

Instrument :

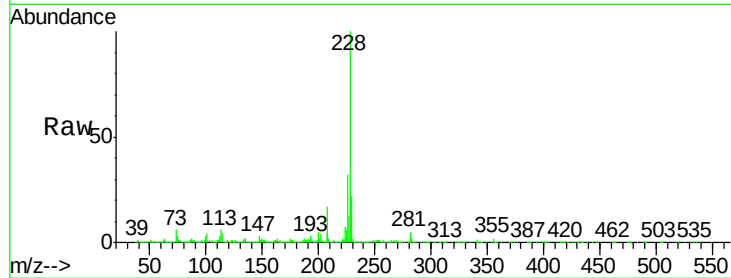
BNA_M

ClientSampleId :

C0AA1

Tgt Ion:228 Resp: 1659928

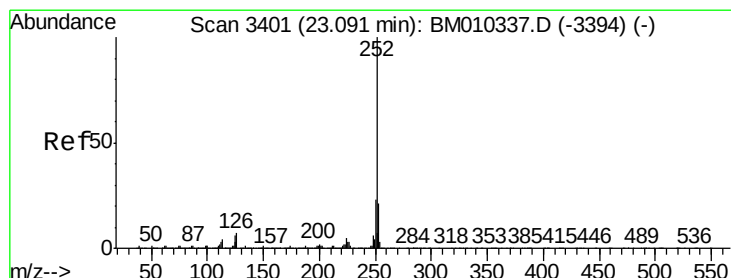
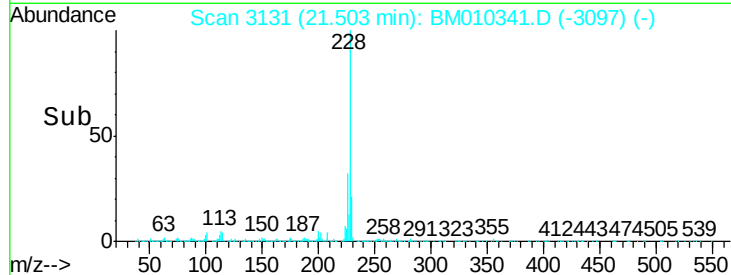
Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.4	35.2
229	21.6	15.5	23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 16.30 ng/ul

RT: 23.10 min Scan# 3402

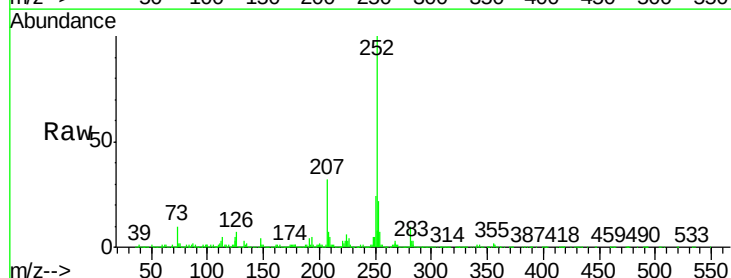
Delta R.T. 0.01 min

Lab File: BM010341.D

Acq: 31 May 2017 20:44

Tgt Ion:252 Resp: 2281259

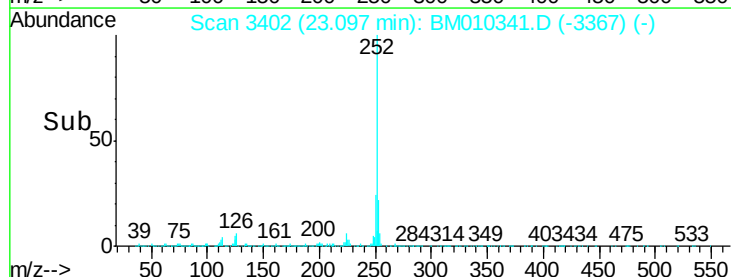
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	5.2	3.6	5.4

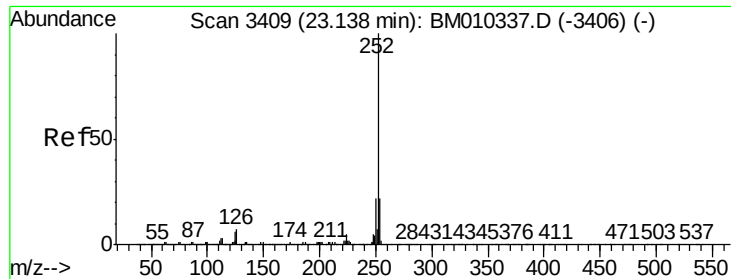


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

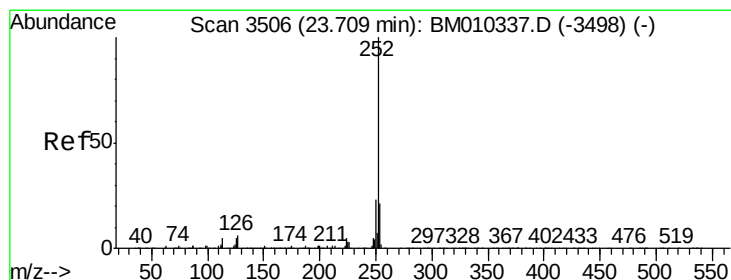
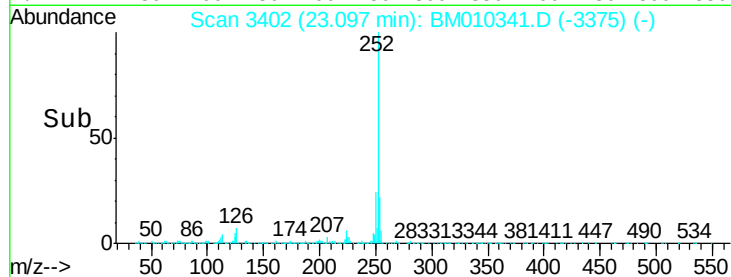
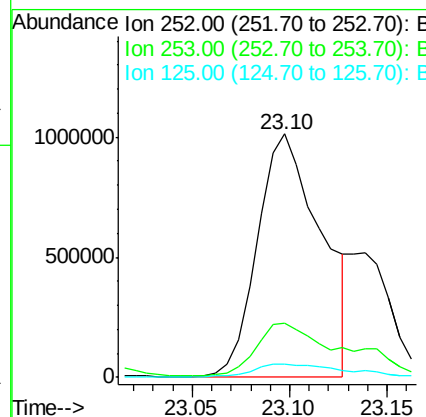
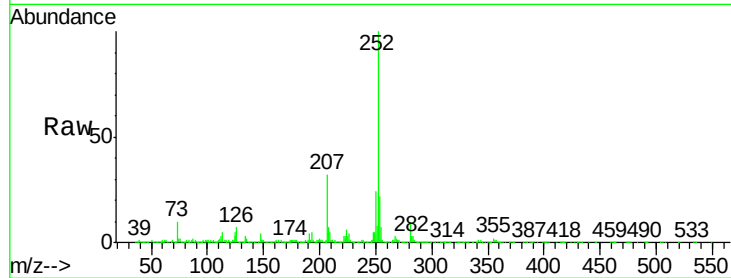




#86
Benzo(k)fluoranthene
Concen: 17.07 ng/ul
RT: 23.10 min Scan# 3402
Delta R.T. -0.04 min
Lab File: BM010341.D
Acq: 31 May 2017 20:44

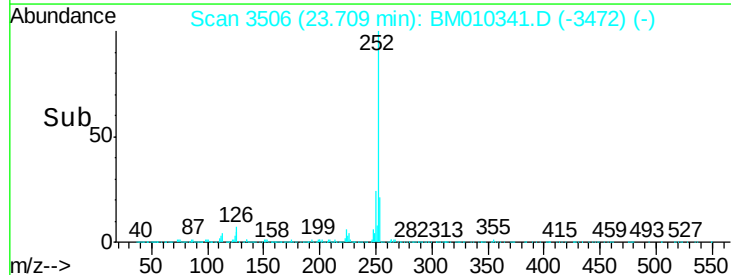
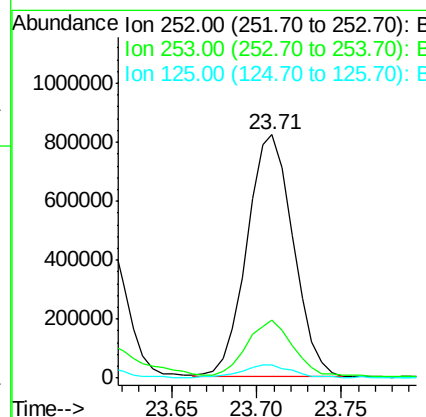
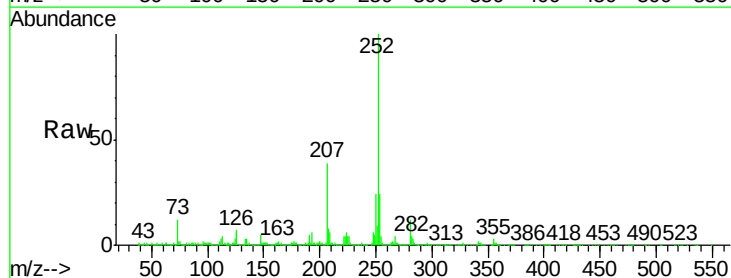
Instrument :
BNA_M
ClientSampleId :
C0AA1

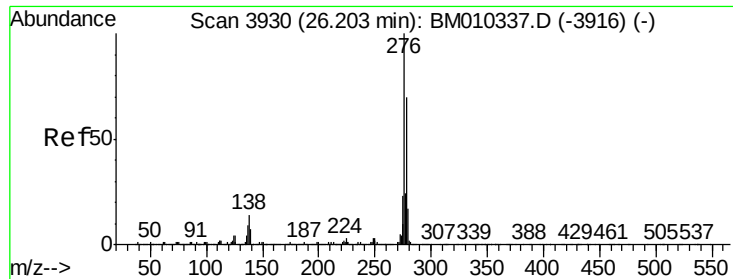
Tgt Ion:252 Resp: 2281259
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 5.2 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 11.22 ng/ul
RT: 23.71 min Scan# 3506
Delta R.T. 0.00 min
Lab File: BM010341.D
Acq: 31 May 2017 20:44

Tgt Ion:252 Resp: 1555481
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 5.6 4.0 6.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 6.34 ng/ul

RT: 26.20 min Scan# 3930

Delta R.T. 0.00 min

Lab File: BM010341.D

Acq: 31 May 2017 20:44

Instrument :

BNA_M

ClientSampleId :

C0AA1

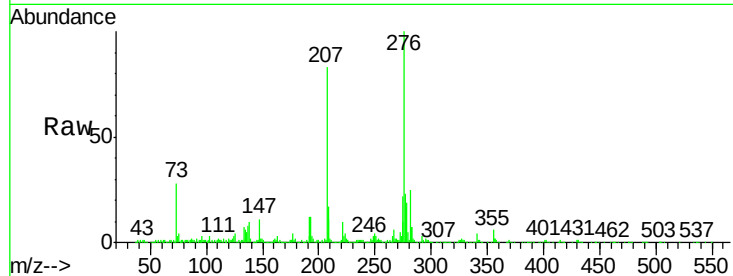
Tgt Ion:276 Resp: 1111192

Ion Ratio Lower Upper

276 100

138 10.2 9.3 13.9

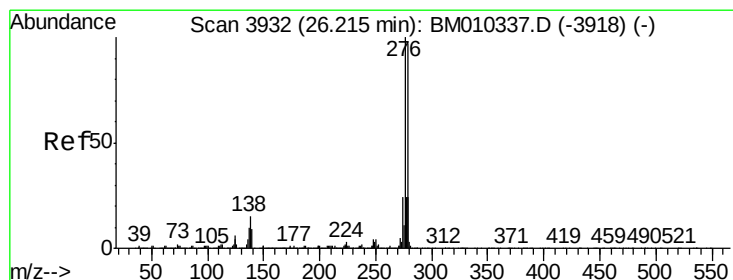
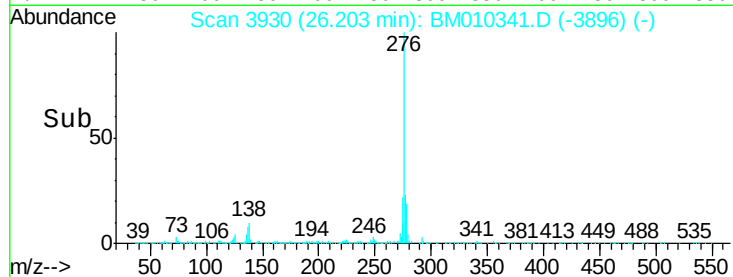
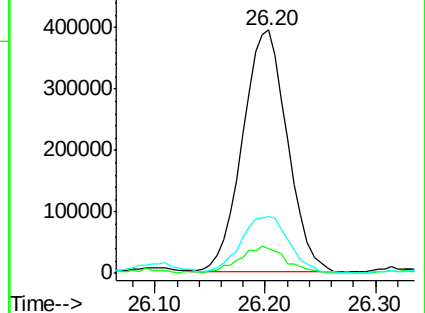
277 23.2 19.9 29.9



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: 1.82 ng/ul

RT: 26.20 min Scan# 3929

Delta R.T. -0.02 min

Lab File: BM010341.D

Acq: 31 May 2017 20:44

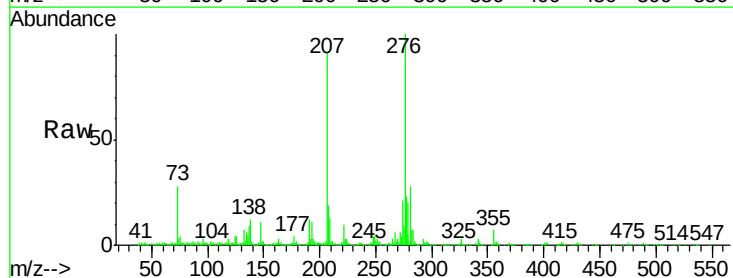
Tgt Ion:278 Resp: 274571

Ion Ratio Lower Upper

278 100

139 12.1 5.8 8.8#

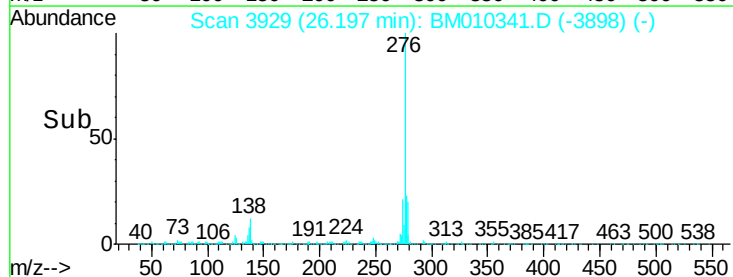
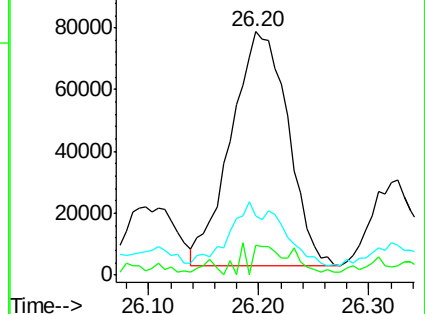
279 24.4 18.6 27.8

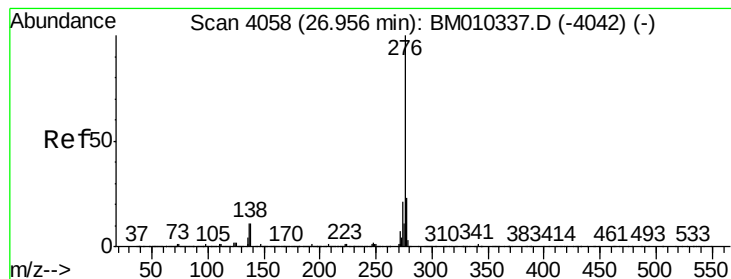


Abundance Ion 278.00 (277.70 to 278.70): E

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: 7.58 ng/ul

RT: 26.94 min Scan# 4056

Delta R.T. -0.01 min

Lab File: BM010341.D

Acq: 31 May 2017 20:44

Instrument :

BNA_M

ClientSampleId :

C0AA1

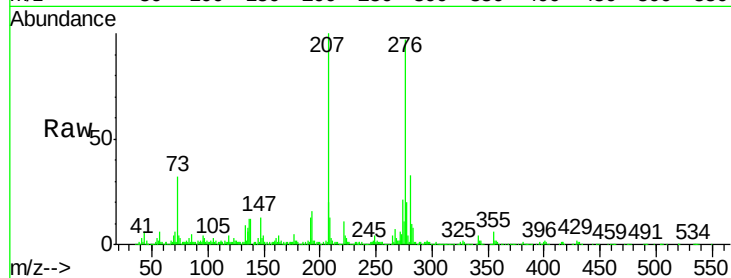
Tgt Ion:276 Resp: 1094275

Ion Ratio Lower Upper

276 100

138 12.5 8.5 12.7

277 21.0 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

