

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072815\
 Data File : BM002110.D
 Acq On : 29 Jul 2015 01:39
 Operator : TP/UM
 Sample : G3030-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01M2

Quant Time: Jul 29 06:39:26 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 01:50:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	61679	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	240264	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	141540	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	320433	20.00	ng/ul	0.00
78) Chrysene-d12	21.20	240	388160	20.00	ng/ul	0.00
86) Perylene-d12	23.40	264	397658	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	5232	4.39	ng/uL	0.00
5) Phenol-d5	6.77	99	100986	22.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	53180	21.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	87836	23.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	80435	22.95	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	36558	21.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	35001	18.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	84856	23.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	54424	13.55	ng/ul	0.00
44) Dimethylphthalate-d6	13.67	166	242465	23.39	ng/ul	0.00
47) Acenaphthylene-d8	13.94	160	264012	20.37	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	37676	21.77	ng/ul	0.00
58) Fluorene-d10	15.26	176	189248	20.75	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	9319	4.75	ng/ul	0.00
71) Anthracene-d10	17.10	188	286850	20.05	ng/ul	0.00
79) Pyrene-d10	19.41	212	318263	19.48	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.26	264	342907	17.79	ng/ul	0.00

Target Compounds

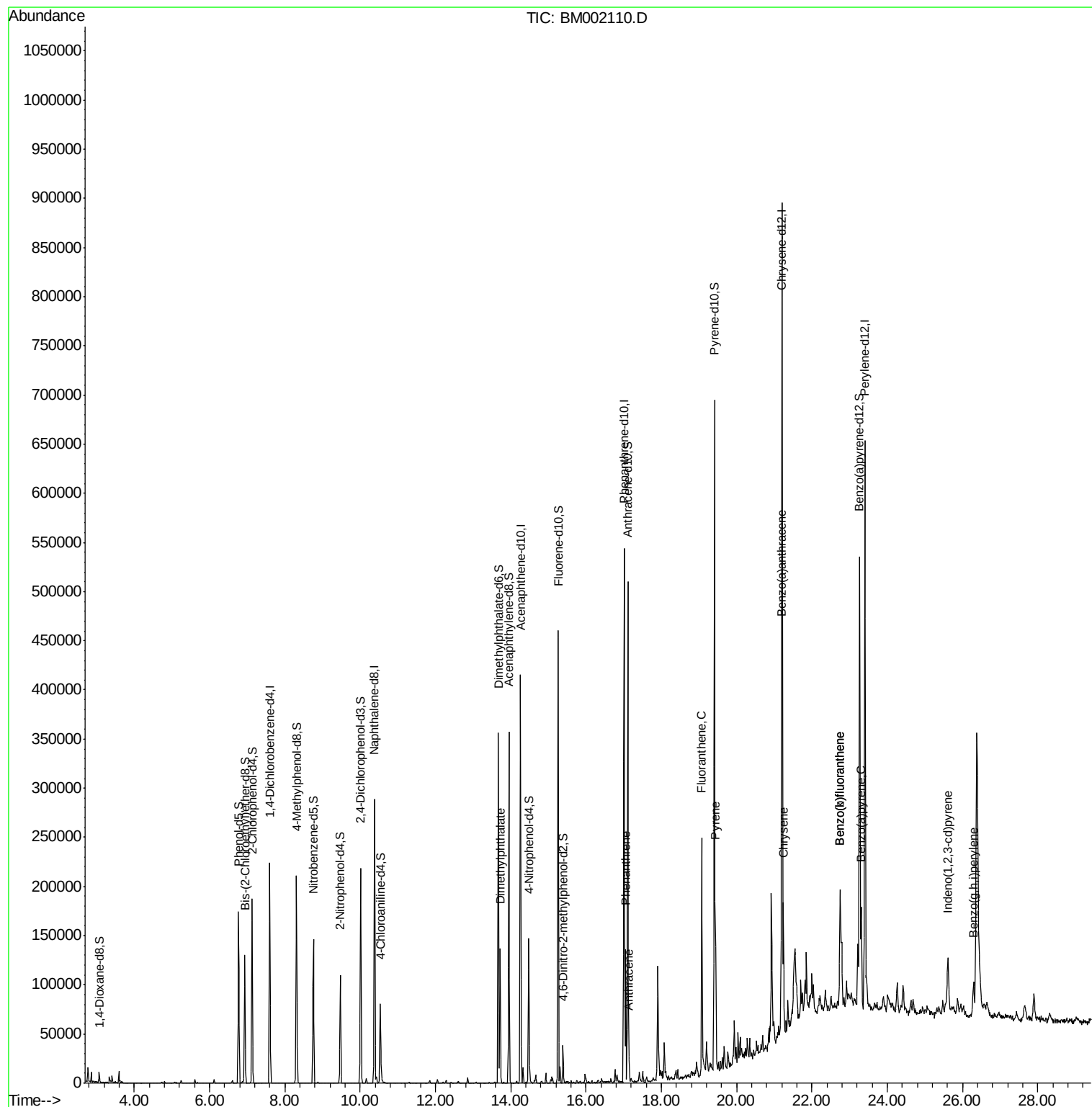
						Qvalue
45) Dimethylphthalate	13.72	163	86047	8.31	ng/ul	100
70) Phenanthrene	17.05	178	81500	4.91	ng/ul	98
72) Anthracene	17.14	178	19983	1.18	ng/ul	99
77) Fluoranthene	19.07	202	141214	7.37	ng/ul	99
80) Pyrene	19.44	202	121707	5.76	ng/ul	99
83) Benzo(a)anthracene	21.19	228	76290	3.55	ng/ul	98
85) Chrysene	21.24	228	72811	3.62	ng/ul	96
88) Benzo(b)fluoranthene	22.74	252	101719	4.55	ng/ul	97
89) Benzo(k)fluoranthene	22.74	252	55602	2.58	ng/ul	98
91) Benzo(a)pyrene	23.31	252	71679	3.32	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.61	276	47899	1.93	ng/ul	96
94) Benzo(g,h,i)perylene	26.29	276	41829	2.01	ng/ul#	93

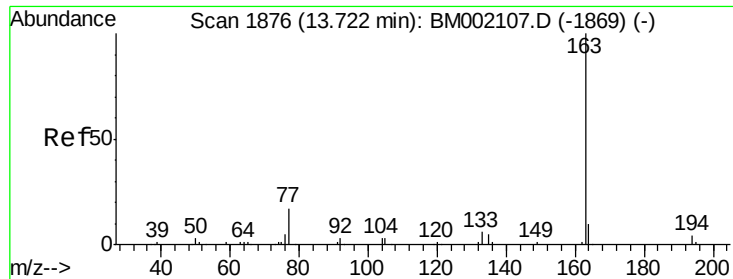
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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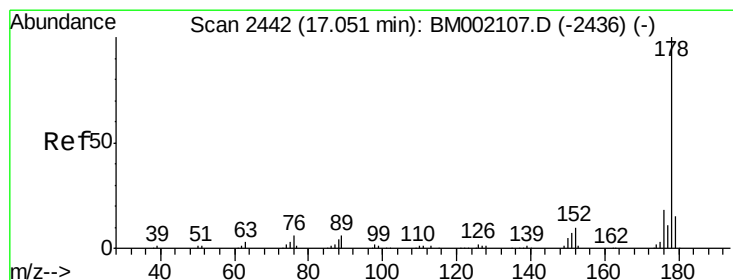
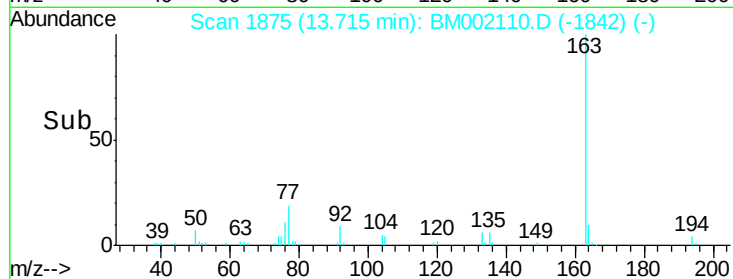
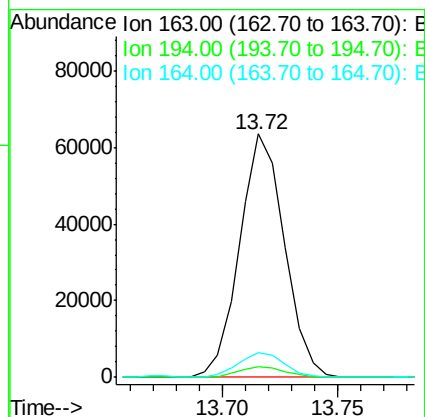
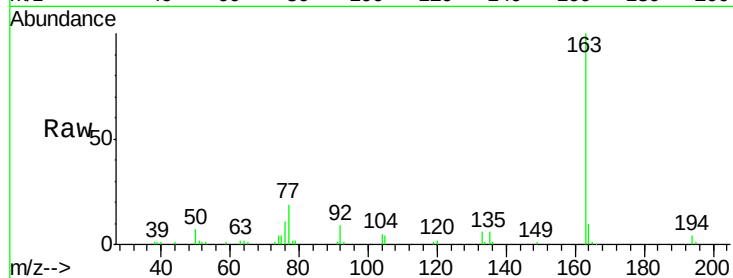




#45
Dimethylphthalate
Concen: 8.31 ng/ul
RT: 13.72 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BM002110.D
Acq: 29 Jul 2015 01:39

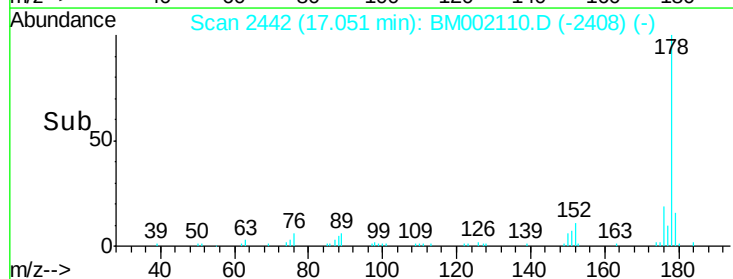
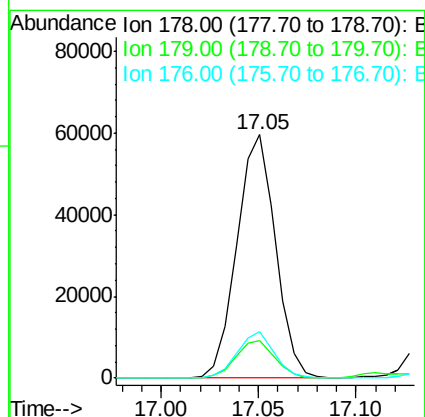
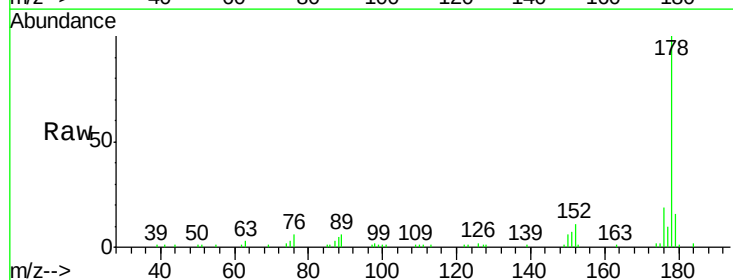
Instrument :
BNA_M
ClientSampleId :
C01M2

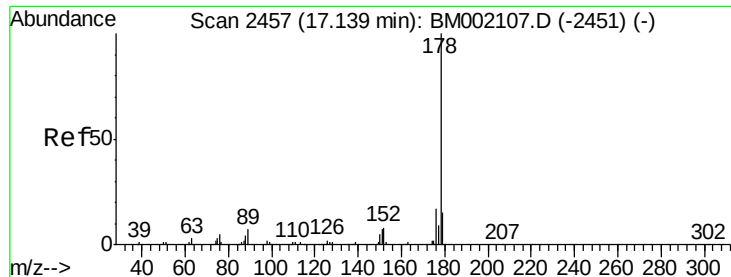
Tgt Ion:163 Resp: 86047
Ion Ratio Lower Upper
163 100
194 4.4 3.5 5.3
164 9.9 8.0 12.0



#70
Phenanthrene
Concen: 4.91 ng/ul
RT: 17.05 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BM002110.D
Acq: 29 Jul 2015 01:39

Tgt Ion:178 Resp: 81500
Ion Ratio Lower Upper
178 100
179 15.5 12.5 18.7
176 19.1 14.2 21.4





#72

Anthracene

Concen: 1.18 ng/ul

RT: 17.14 min Scan# 2457

Delta R.T. -0.00 min

Lab File: BM002110.D

Acq: 29 Jul 2015 01:39

Instrument :

BNA_M

ClientSampleId :

C01M2

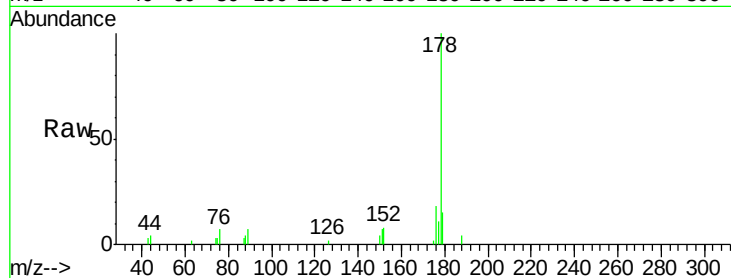
Tgt Ion:178 Resp: 19983

Ion Ratio Lower Upper

178 100

179 14.9 12.1 18.1

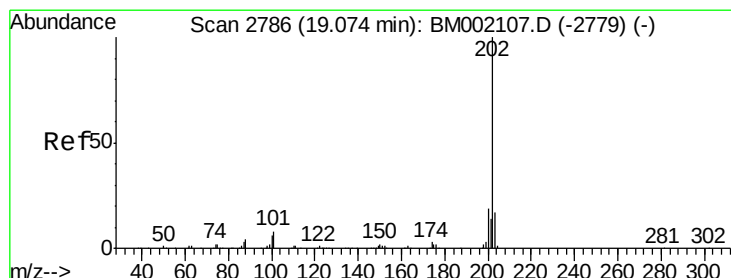
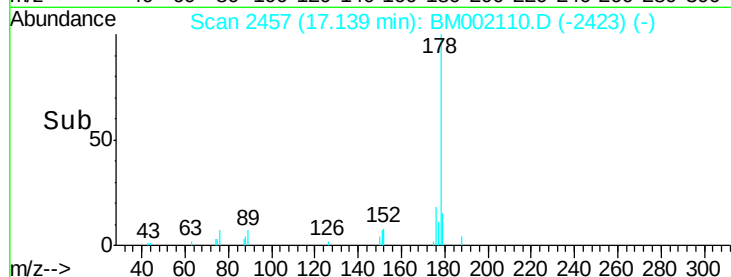
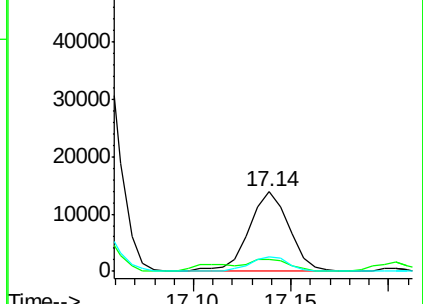
176 18.2 14.1 21.1



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



#77

Fluoranthene

Concen: 7.37 ng/ul

RT: 19.07 min Scan# 2786

Delta R.T. -0.00 min

Lab File: BM002110.D

Acq: 29 Jul 2015 01:39

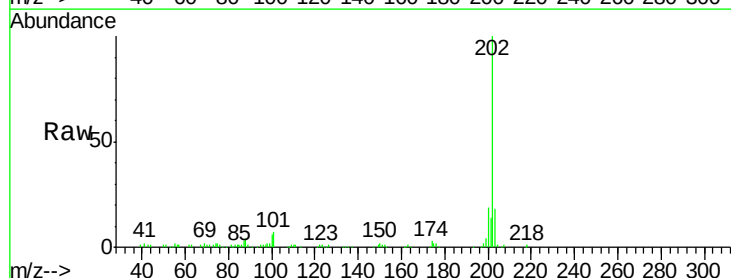
Tgt Ion:202 Resp: 141214

Ion Ratio Lower Upper

202 100

101 7.4 6.2 9.4

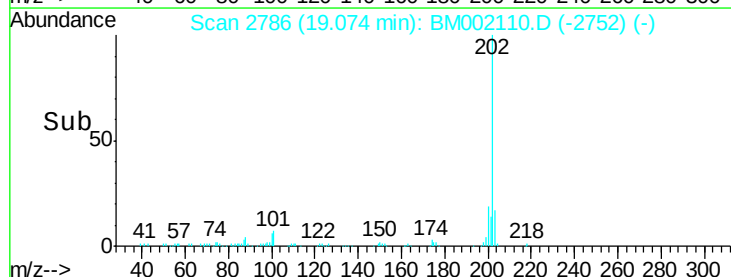
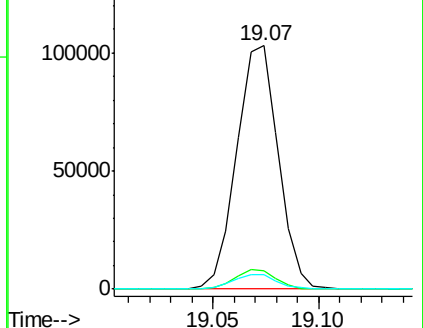
100 6.1 5.2 7.8

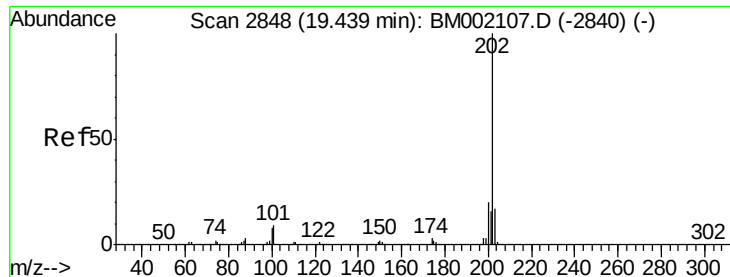


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

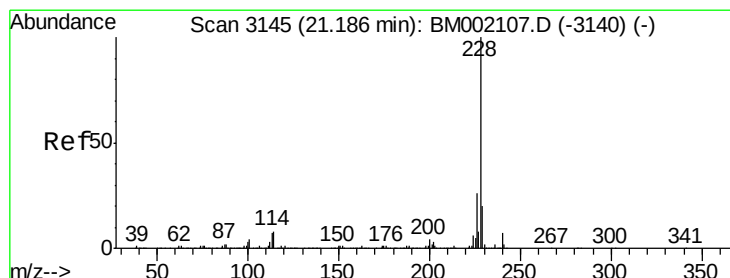
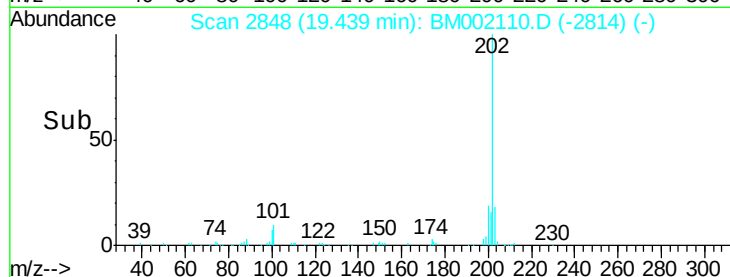
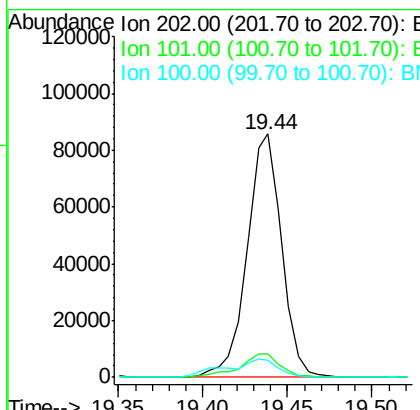
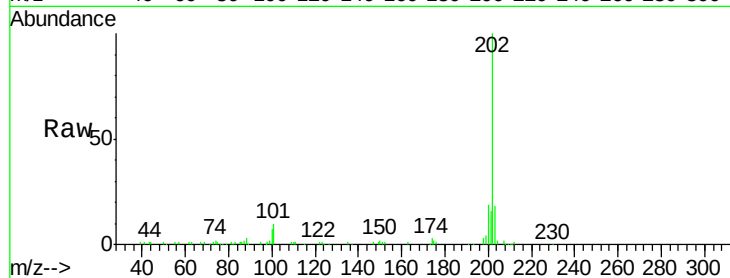




#80
 Pyrene
 Concen: 5.76 ng/ul
 RT: 19.44 min Scan# 2848
 Delta R.T. -0.00 min
 Lab File: BM002110.D
 Acq: 29 Jul 2015 01:39

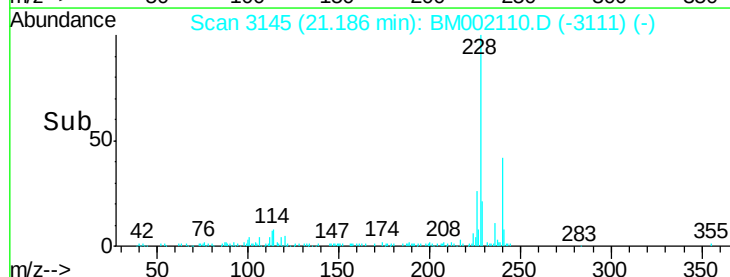
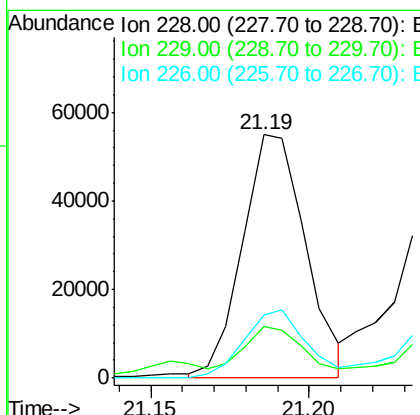
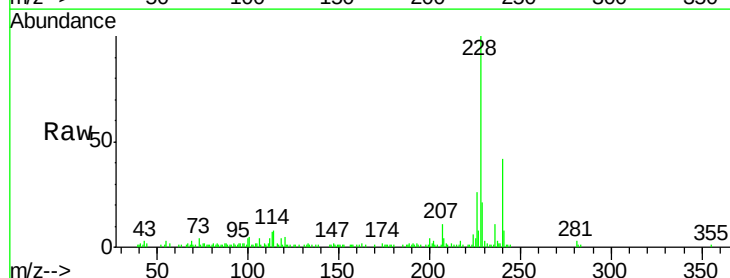
Instrument :
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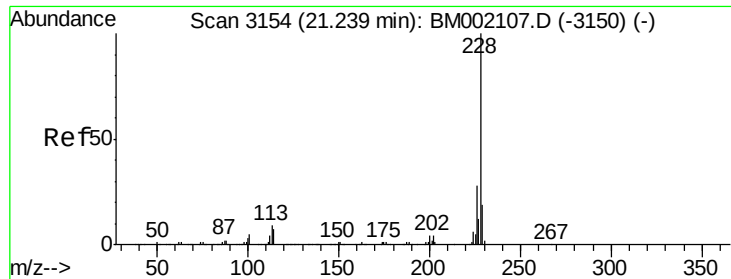
Tgt Ion:	202	Resp:	121707
Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.4	11.2
100	7.1	6.3	9.5



#83
 Benzo(a)anthracene
 Concen: 3.55 ng/ul
 RT: 21.19 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: BM002110.D
 Acq: 29 Jul 2015 01:39

Tgt Ion:	228	Resp:	76290
Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.4	23.2
226	25.8	20.5	30.7





#85

Chrysene

Concen: 3.62 ng/ul

RT: 21.24 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BM002110.D

Acq: 29 Jul 2015 01:39

Instrument :

BNA_M

ClientSampleId :

C01M2

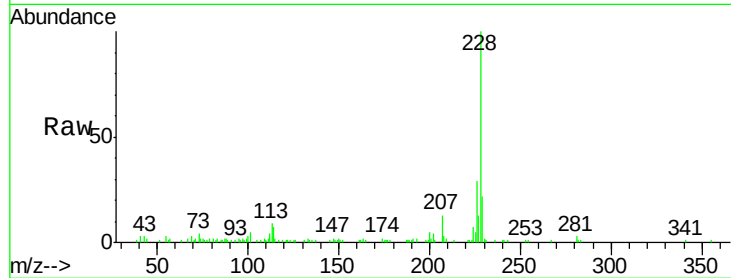
Tgt Ion:228 Resp: 72811

Ion Ratio Lower Upper

228 100

226 29.5 22.3 33.5

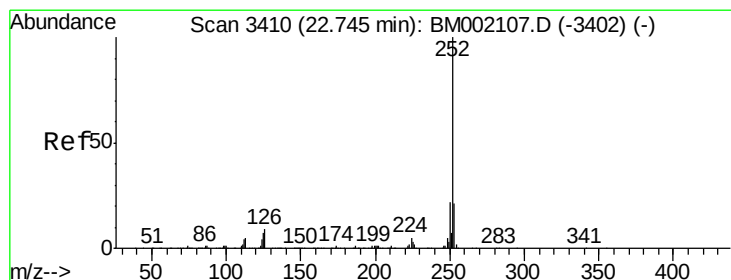
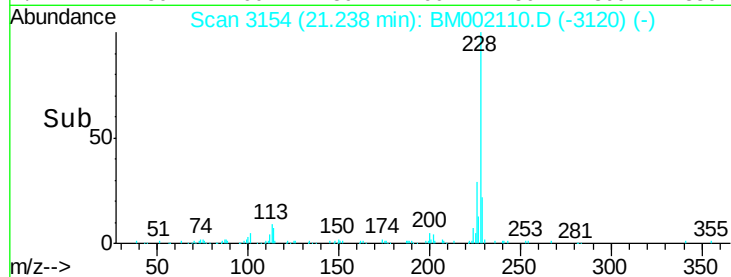
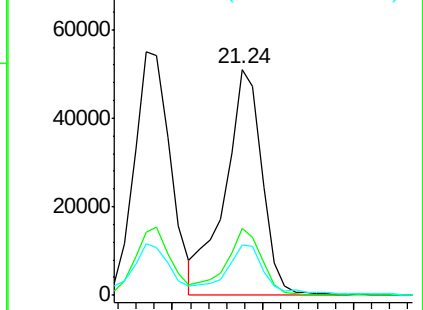
229 22.1 15.5 23.3



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



#88

Benzo(b)fluoranthene

Concen: 4.55 ng/ul

RT: 22.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: BM002110.D

Acq: 29 Jul 2015 01:39

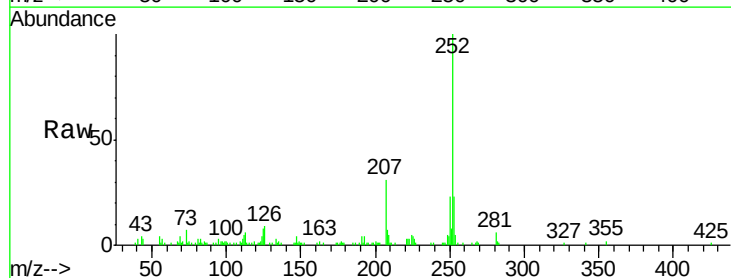
Tgt Ion:252 Resp: 101719

Ion Ratio Lower Upper

252 100

253 23.0 16.9 25.3

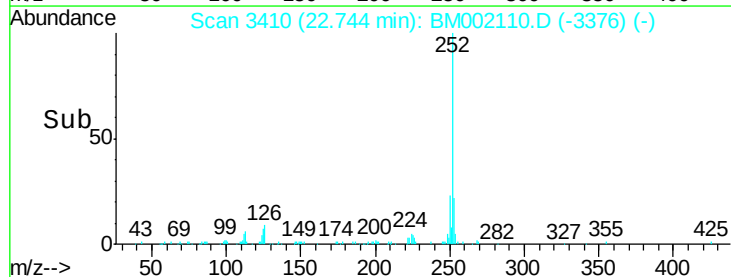
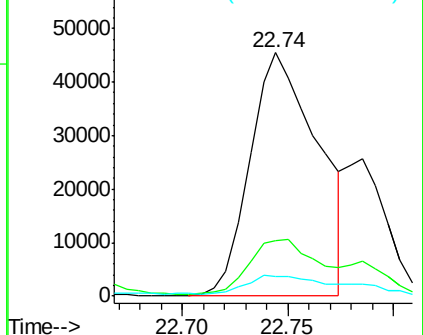
125 8.0 6.2 9.2

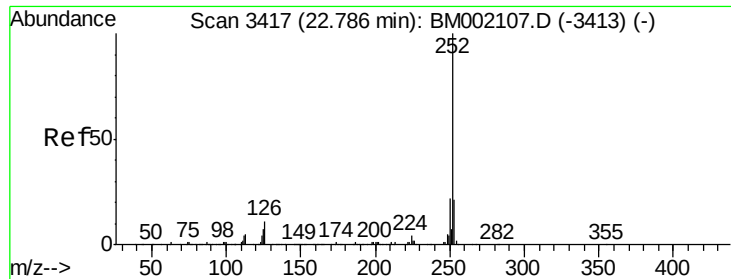


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.58 ng/ul

RT: 22.74 min Scan# 3410

Delta R.T. -0.04 min

Lab File: BM002110.D

Acq: 29 Jul 2015 01:39

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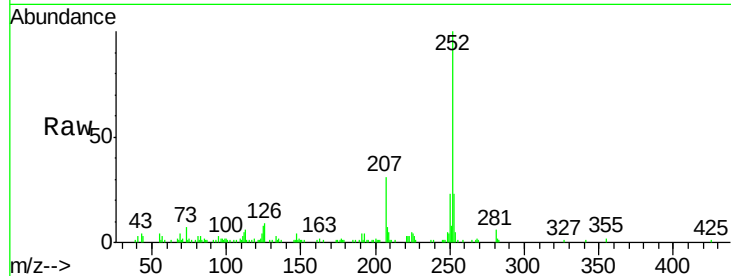
Tgt Ion:252 Resp: 55602

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

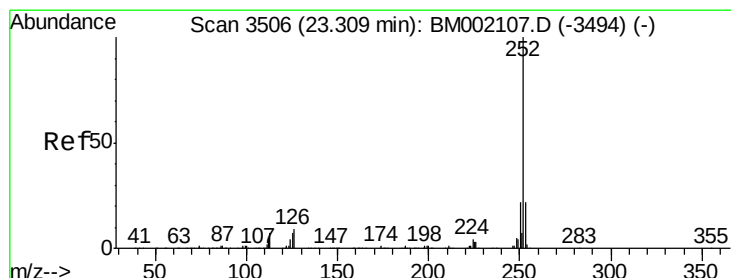
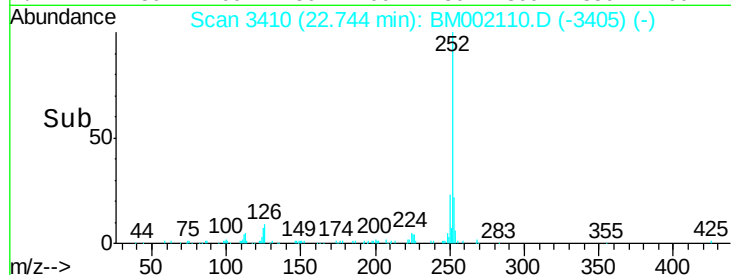
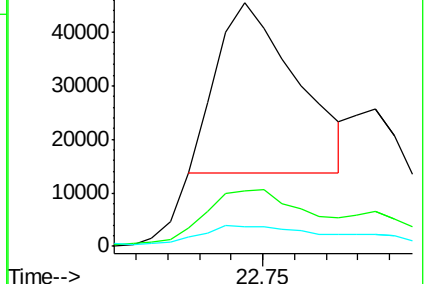
125 8.0 6.2 9.4



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



#91

Benzo(a)pyrene

Concen: 3.32 ng/ul

RT: 23.31 min Scan# 3506

Delta R.T. -0.00 min

Lab File: BM002110.D

Acq: 29 Jul 2015 01:39

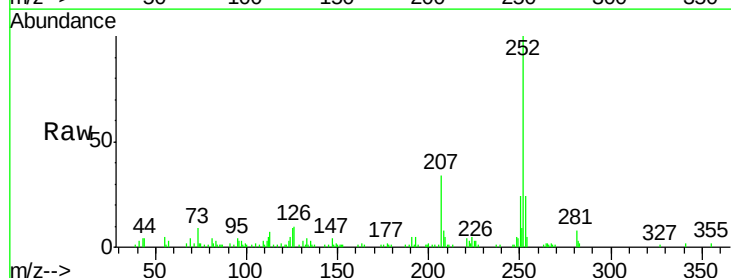
Tgt Ion:252 Resp: 71679

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

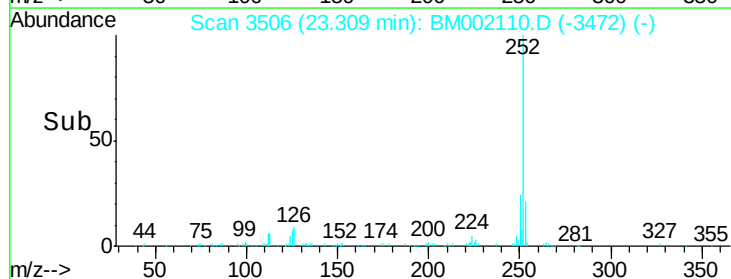
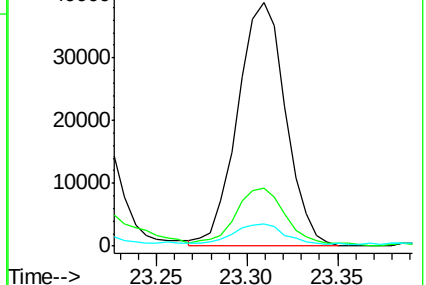
125 8.9 6.6 10.0

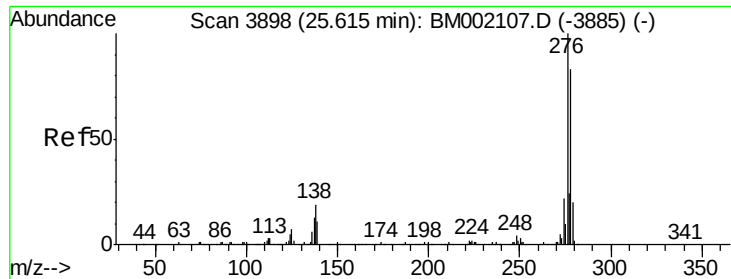


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 1.93 ng/ul

RT: 25.61 min Scan# 3897

Delta R.T. -0.01 min

Lab File: BM002110.D

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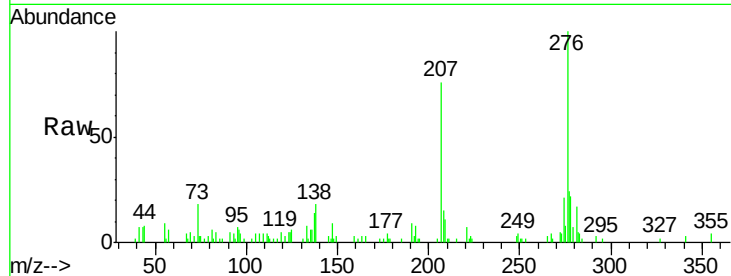
Tgt Ion:276 Resp: 47899

Ion Ratio Lower Upper

276 100

138 17.6 16.2 24.2

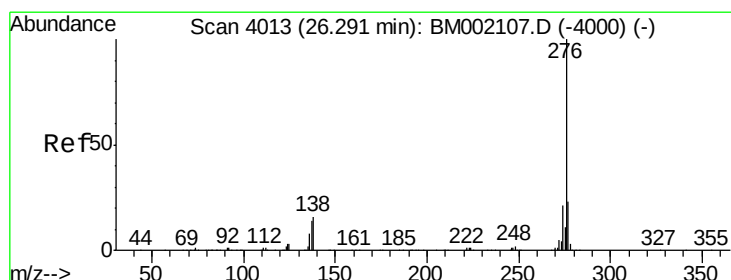
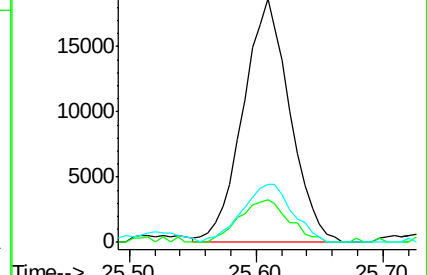
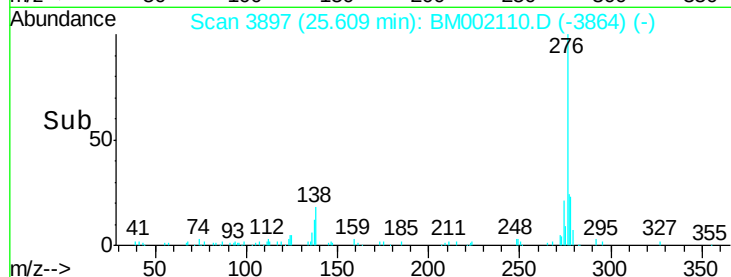
277 23.9 19.8 29.8



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



#94

Benzo(g,h,i)perylene

Concen: 2.01 ng/ul

RT: 26.29 min Scan# 4013

Delta R.T. -0.00 min

Lab File: BM002110.D

Acq: 29 Jul 2015 01:39

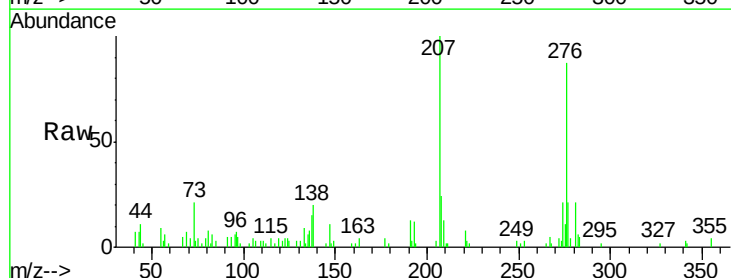
Tgt Ion:276 Resp: 41829

Ion Ratio Lower Upper

276 100

138 23.0 13.8 20.6#

277 24.0 18.2 27.2



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

