

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092915\
 Data File : BM002784.D
 Acq On : 30 Sep 2015 14:29
 Operator : UM/IZ
 Sample : G3838-17
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E5MX3

Quant Time: Sep 30 15:27:42 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 30 06:48:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	106913	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	435259	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.30	164	206908	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.01	188	401430	20.00	ng/ul	0.00
78) Chrysene-d12	22.10	240	414096	20.00	ng/ul	0.00
86) Perylene-d12	24.69	264	426550	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	10056	4.37	ng/uL	0.00
5) Phenol-d5	7.82	99	185119	22.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	112871	24.77	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	175957	23.34	ng/ul	0.00
13) 4-Methylphenol-d8	9.40	113	152000	22.76	ng/ul	0.00
19) Nitrobenzene-d5	9.90	128	83530	25.17	ng/ul	0.00
22) 2-Nitrophenol-d4	10.63	143	85528	24.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.17	165	138302	22.59	ng/ul	0.00
29) 4-Chloroaniline-d4	11.69	131	156286	21.21	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	390598	25.09	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	520818	25.07	ng/ul	0.00
52) 4-Nitrophenol-d4	15.47	143	46595	16.86	ng/ul	0.01
58) Fluorene-d10	16.27	176	339977	24.25	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.39	200	11334	5.79	ng/ul	0.00
71) Anthracene-d10	18.11	188	481911	25.15	ng/ul	0.00
79) Pyrene-d10	20.34	212	485639	25.13	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.52	264	551009	25.25	ng/ul	0.00

Target Compounds

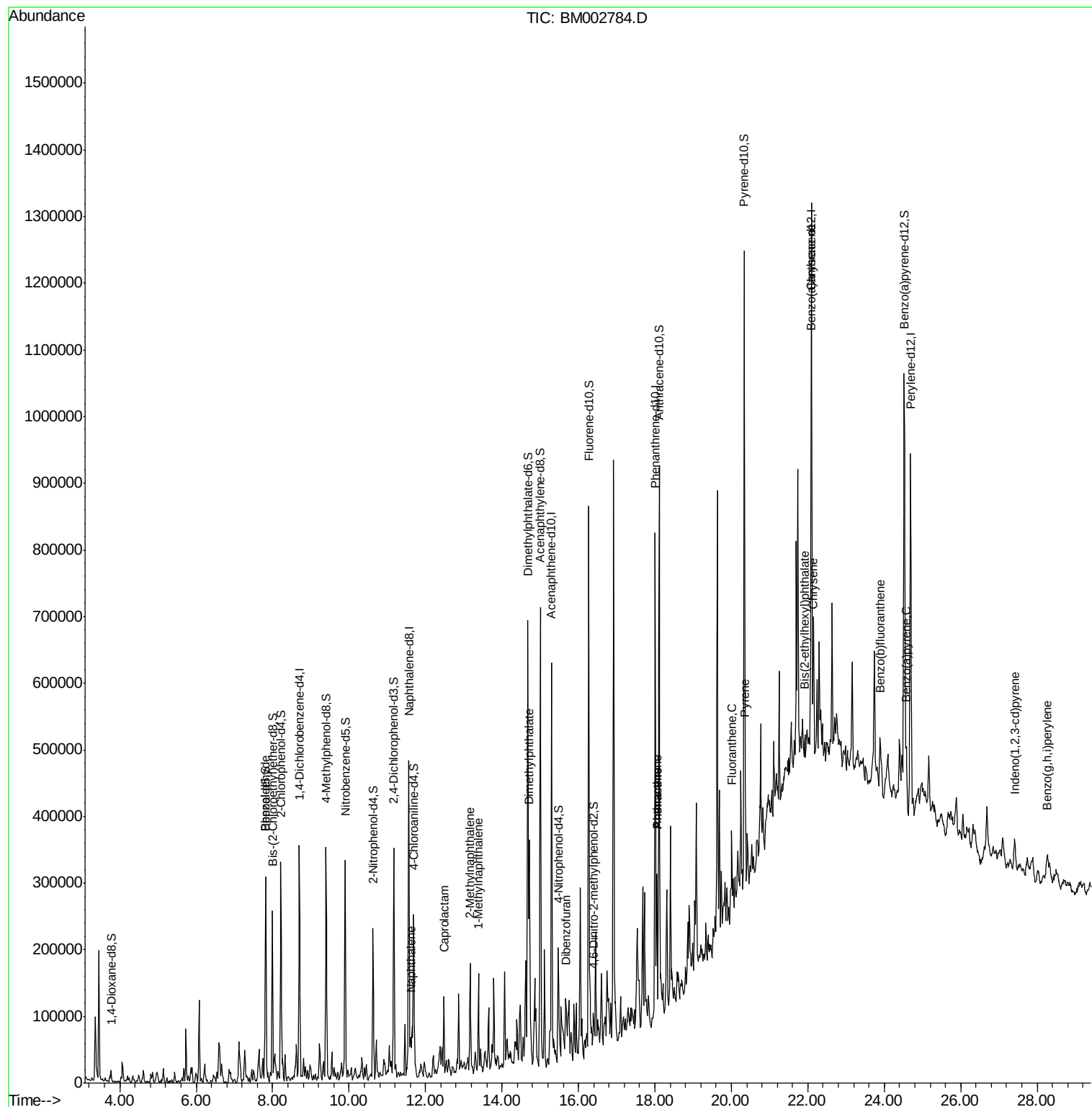
					Qvalue
4) Benzaldehyde	7.82	77	9373	2.06 ng/ul	91
28) Naphthalene	11.61	128	50708	2.28 ng/ul	98
32) Caprolactam	12.49	113	5341	2.74 ng/ul#	75
34) 2-Methylnaphthalene	13.17	142	77946	5.04 ng/ul	97
35) 1-Methylnaphthalene	13.38	142	68508	4.56 ng/ul	98
45) Dimethylphthalate	14.72	163	140834	8.90 ng/ul	100
54) Dibenzofuran	15.69	168	37037	1.89 ng/ul	94
70) Phenanthrene	18.05	178	122556	5.28 ng/ul	97
72) Anthracene	18.05	178	122556	5.19 ng/ul	96
77) Fluoranthene	20.01	202	79041	3.30 ng/ul	100
80) Pyrene	20.37	202	85665	3.26 ng/ul	98
83) Benzo(a)anthracene	22.08	228	64114	2.60 ng/ul#	91
84) Bis(2-ethylhexyl)phthalate	21.91	149	19392	1.09 ng/ul#	93
85) Chrysene	22.13	228	72356	3.12 ng/ul#	90
88) Benzo(b)fluoranthene	23.89	252	83380	3.25 ng/ul#	88
91) Benzo(a)pyrene	24.57	252	63714	2.59 ng/ul#	89
92) Indeno(1,2,3-cd)pyrene	27.41	276	43622	1.52 ng/ul	97
94) Benzo(g,h,i)perylene	28.26	276	49282	2.04 ng/ul	91

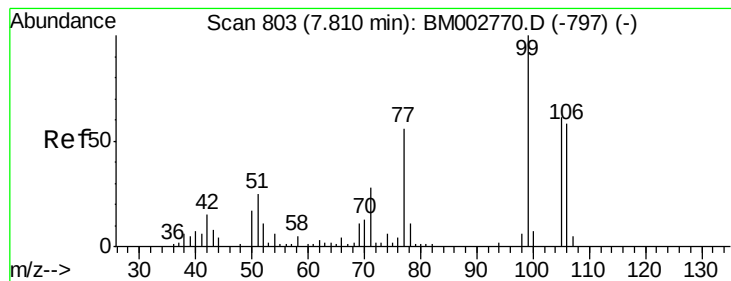
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 2.06 ng/ul

RT: 7.82 min Scan# 804

Delta R.T. 0.01 min

Lab File: BM002784.D

Acq: 30 Sep 2015 14:29

Instrument :

BNA_M

ClientSampleId :

E5MX3

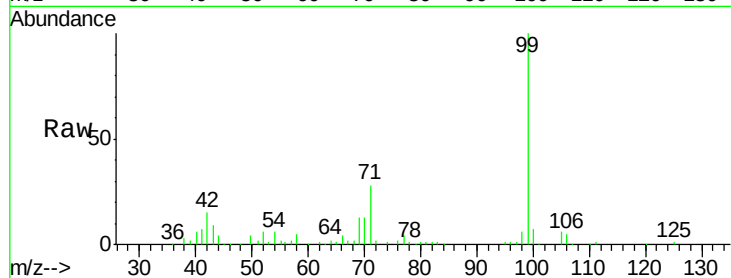
Tgt Ion: 77 Resp: 9373

Ion Ratio Lower Upper

77 100

105 125.0 86.2 129.2

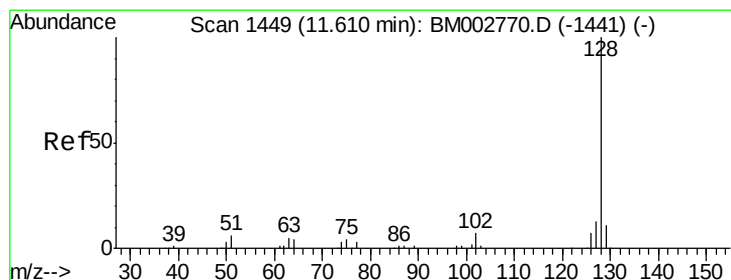
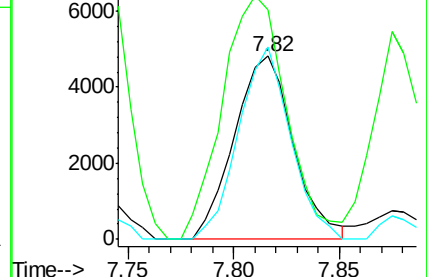
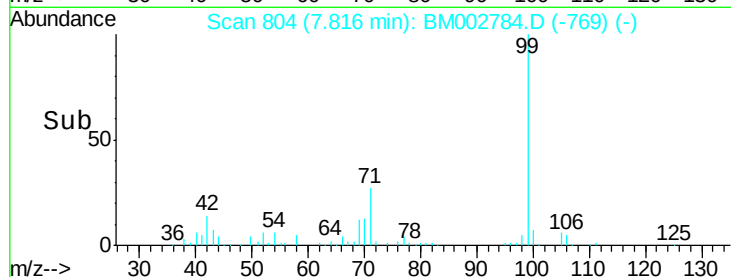
106 104.6 82.5 123.7



Abundance Ion 77.00 (76.70 to 77.70): BM002770.D (-797) (-)

Ion 105.00 (104.70 to 105.70): BM002770.D (-797) (-)

Ion 106.00 (105.70 to 106.70): BM002770.D (-797) (-)



#28

Naphthalene

Concen: 2.28 ng/ul

RT: 11.61 min Scan# 1449

Delta R.T. -0.00 min

Lab File: BM002784.D

Acq: 30 Sep 2015 14:29

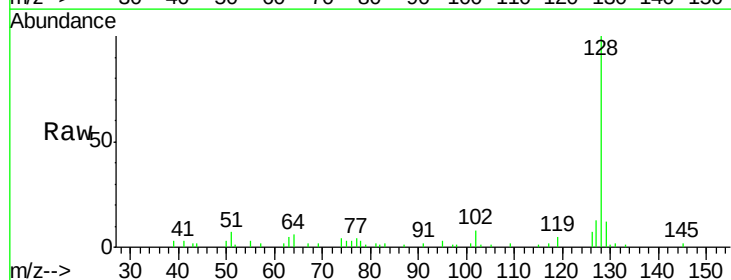
Tgt Ion: 128 Resp: 50708

Ion Ratio Lower Upper

128 100

129 11.7 8.7 13.1

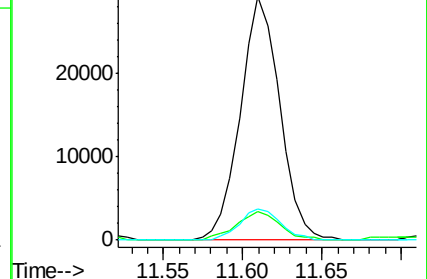
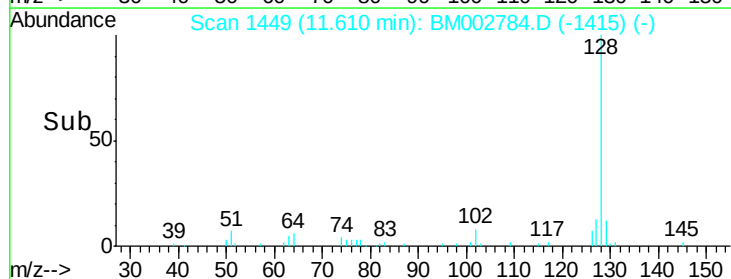
127 13.0 9.9 14.9

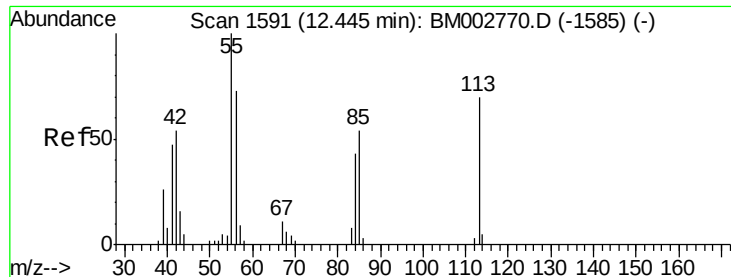


Abundance Ion 128.00 (127.70 to 128.70): BM002770.D (-1441) (-)

Ion 129.00 (128.70 to 129.70): BM002770.D (-1441) (-)

Ion 127.00 (126.70 to 127.70): BM002770.D (-1441) (-)





#32

Caprolactam

Concen: 2.74 ng/ul

RT: 12.49 min Scan# 1598

Delta R.T. 0.04 min

Lab File: BM002784.D

Acq: 30 Sep 2015 14:29

Instrument :

BNA_M

ClientSampleId :

E5MX3

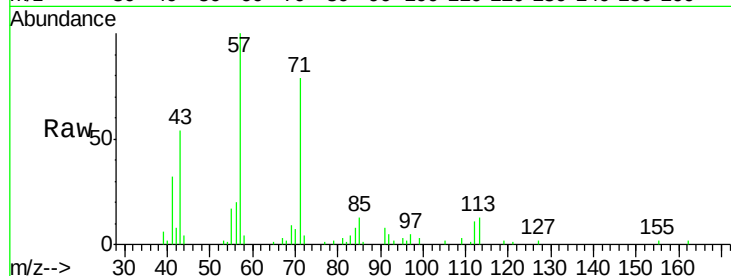
Tgt Ion:113 Resp: 5341

Ion Ratio Lower Upper

113 100

55 133.2 118.3 177.5

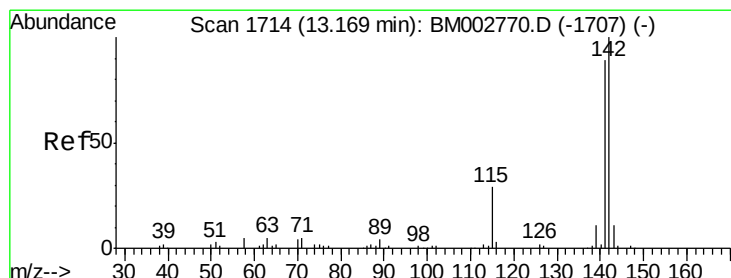
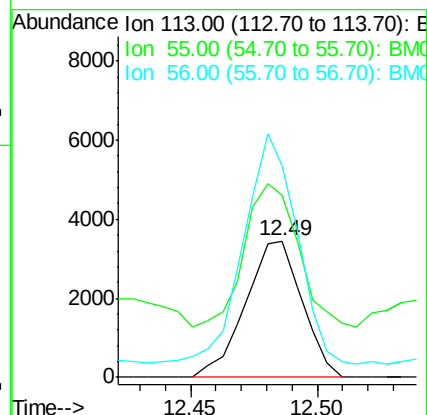
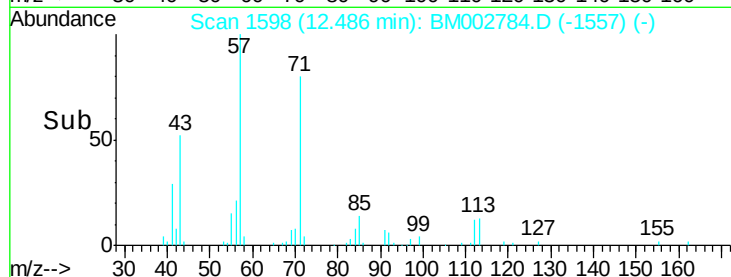
56 155.5 87.4 131.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#34

2-Methylnaphthalene

Concen: 5.04 ng/ul

RT: 13.17 min Scan# 1714

Delta R.T. -0.00 min

Lab File: BM002784.D

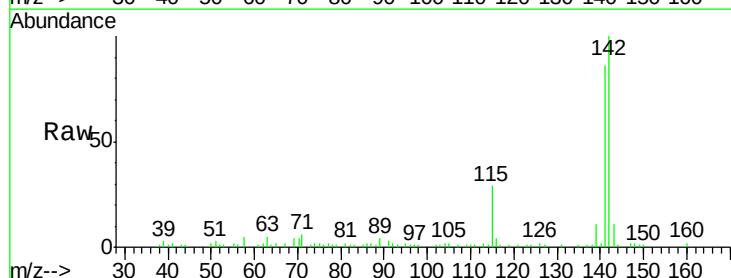
Acq: 30 Sep 2015 14:29

Tgt Ion:142 Resp: 77946

Ion Ratio Lower Upper

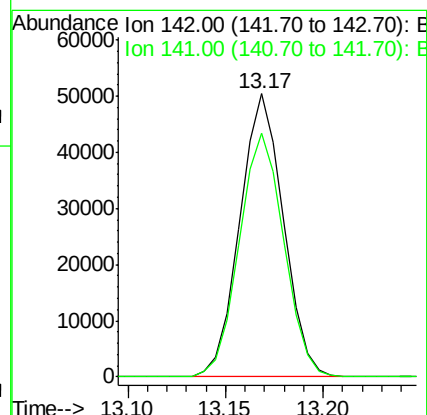
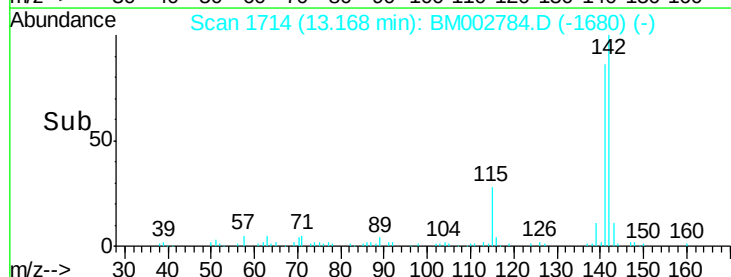
142 100

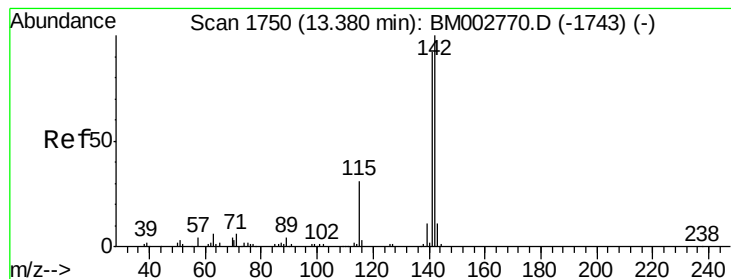
141 86.2 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#35

1-Methylnaphthalene

Concen: 4.56 ng/ul

RT: 13.38 min Scan# 1750

Delta R.T. -0.00 min

Lab File: BM002784.D

Acq: 30 Sep 2015 14:29

Instrument :

BNA_M

ClientSampled :

E5MX3

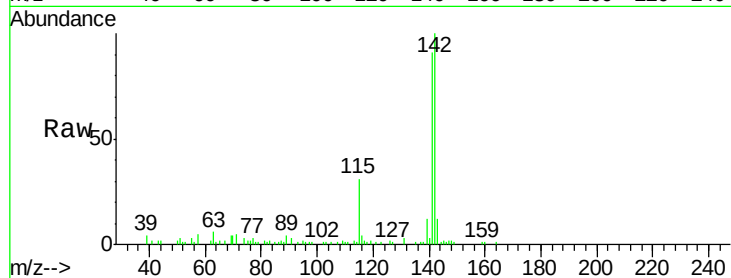
Tgt Ion:142 Resp: 68508

Ion Ratio Lower Upper

142 100

141 90.6 74.4 111.6

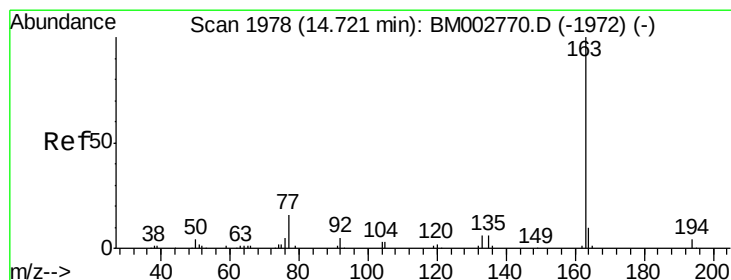
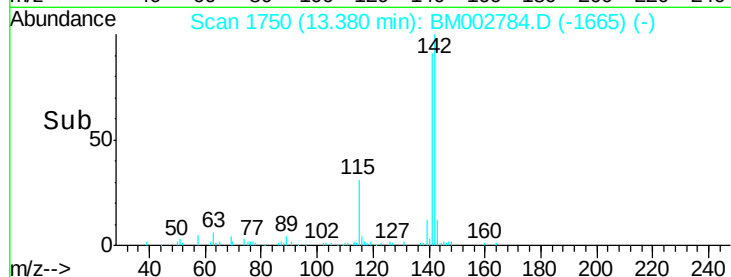
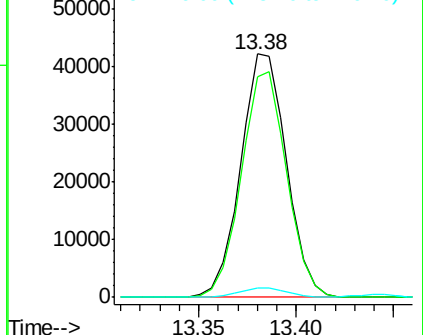
116 3.6 2.6 4.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#45

Dimethylphthalate

Concen: 8.90 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BM002784.D

Acq: 30 Sep 2015 14:29

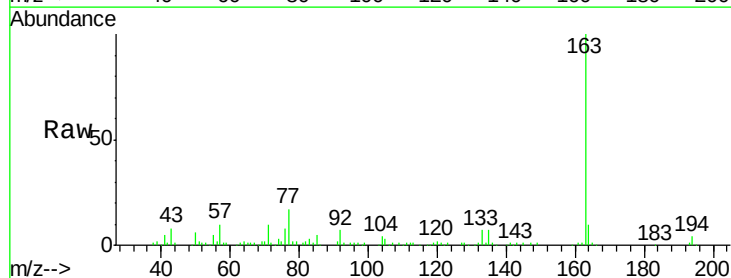
Tgt Ion:163 Resp: 140834

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

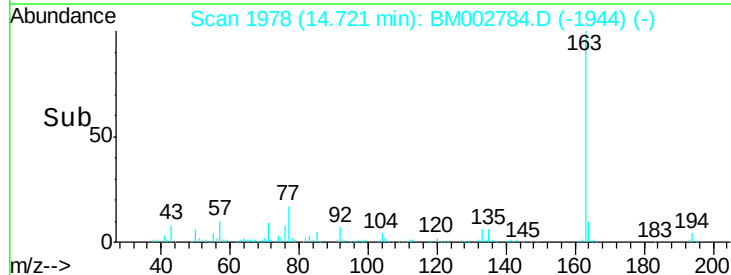
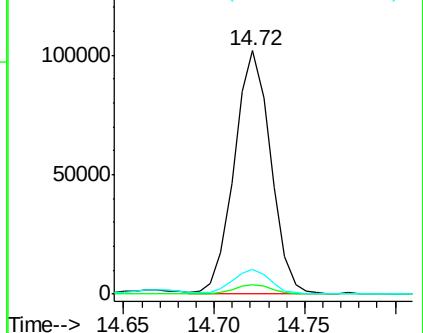
164 9.9 8.1 12.1

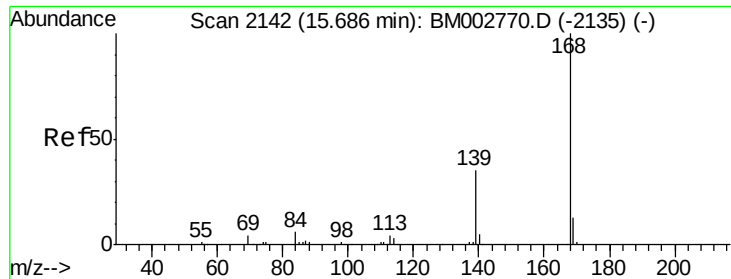


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#54

Dibenzo(furan)

Concen: 1.89 ng/ul

RT: 15.69 min Scan# 2142

Delta R.T. -0.00 min

Lab File: BM002784.D

Acq: 30 Sep 2015 14:29

Instrument :

BNA_M

ClientSampleId :

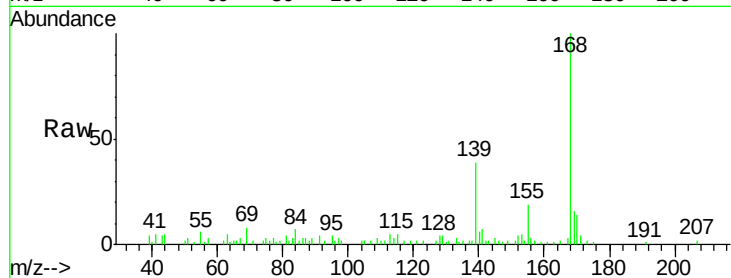
E5MX3

Tgt Ion:168 Resp: 37037

Ion Ratio Lower Upper

168 100

139 39.3 28.7 43.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

25000

20000

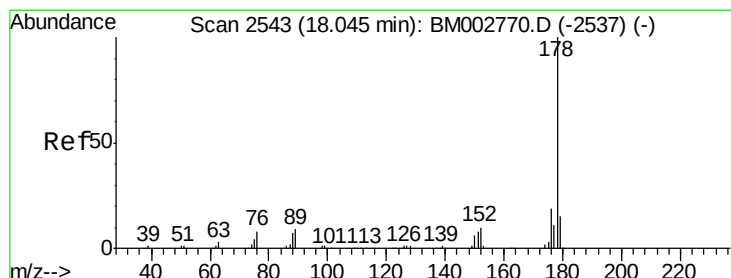
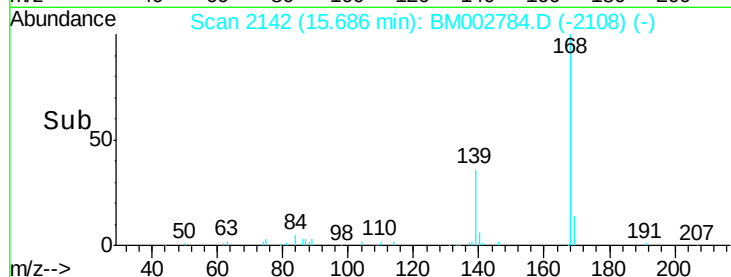
15000

10000

5000

0

Time-->



#70

Phenanthrene

Concen: 5.28 ng/ul

RT: 18.05 min Scan# 2544

Delta R.T. 0.01 min

Lab File: BM002784.D

Acq: 30 Sep 2015 14:29

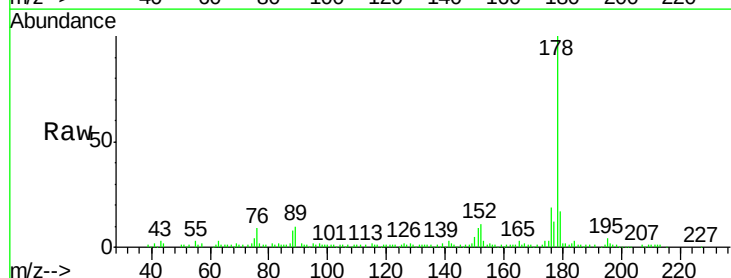
Tgt Ion:178 Resp: 122556

Ion Ratio Lower Upper

178 100

179 16.9 12.0 18.0

176 19.2 14.6 22.0



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

120000

100000

80000

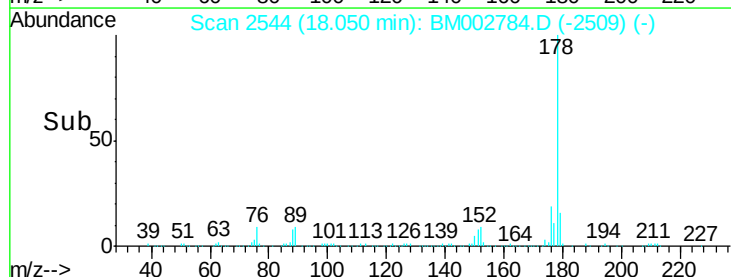
60000

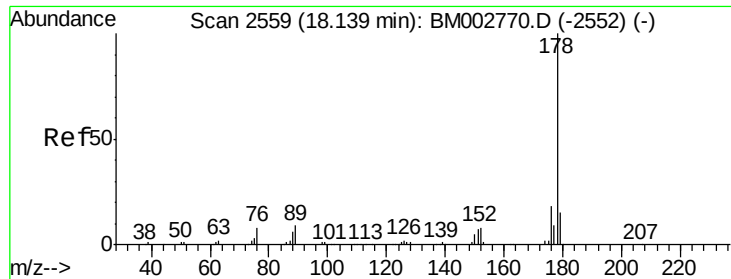
40000

20000

0

Time-->

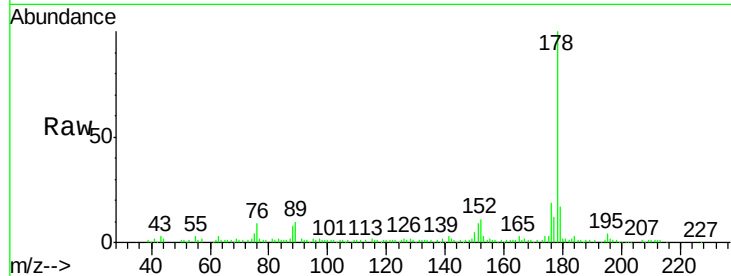




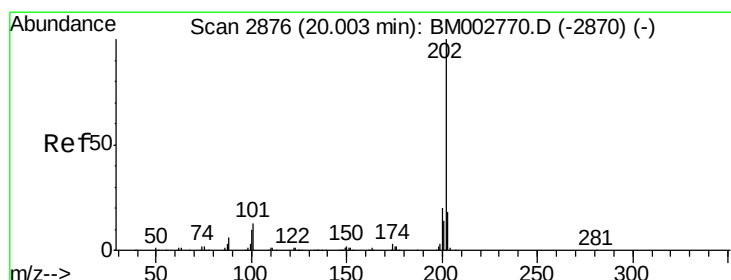
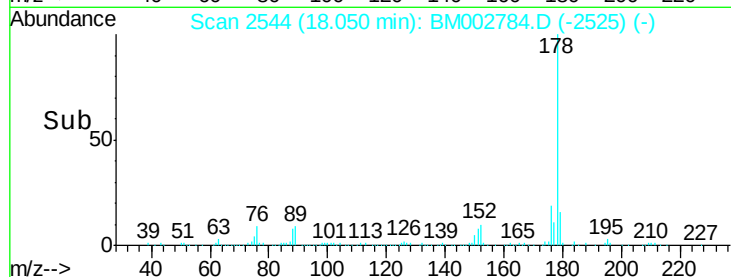
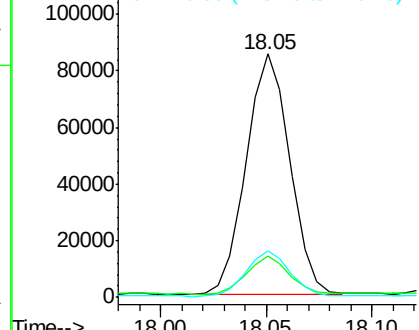
#72
 Anthracene
 Concen: 5.19 ng/ul
 RT: 18.05 min Scan# 2544
 Delta R.T. -0.09 min
 Lab File: BM002784.D
 Acq: 30 Sep 2015 14:29

Instrument :
 BNA_M
 ClientSampleId :
 E5MX3

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.9	11.9	17.9
176	19.2	14.4	21.6

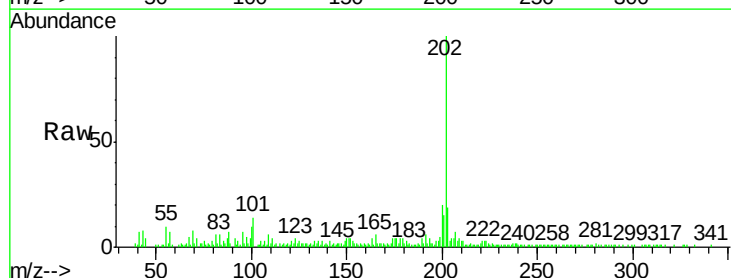


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

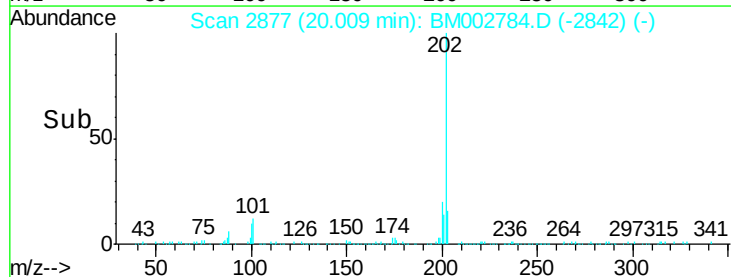
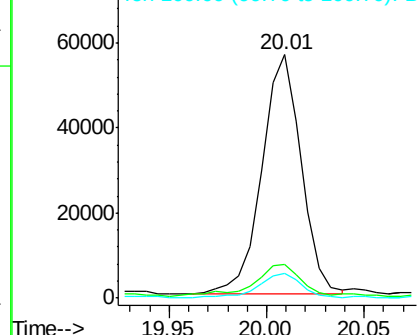


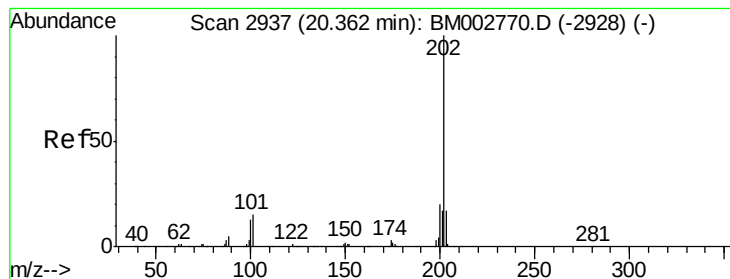
#77
 Fluoranthene
 Concen: 3.30 ng/ul
 RT: 20.01 min Scan# 2877
 Delta R.T. 0.01 min
 Lab File: BM002784.D
 Acq: 30 Sep 2015 14:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	11.0	16.4
100	10.4	8.3	12.5



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: 3.26 ng/ul

RT: 20.37 min Scan# 2938

Delta R.T. 0.01 min

Lab File: BM002784.D

Acq: 30 Sep 2015 14:29

Instrument :

BNA_M

ClientSampleId :

E5MX3

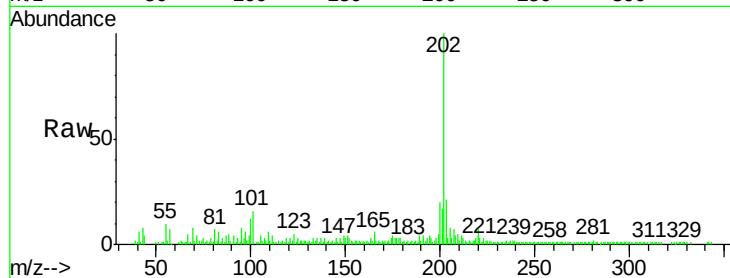
Tgt Ion:202 Resp: 85665

Ion Ratio Lower Upper

202 100

101 15.7 12.1 18.1

100 12.0 10.2 15.4

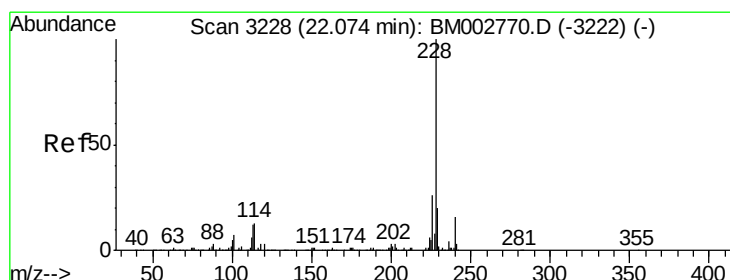
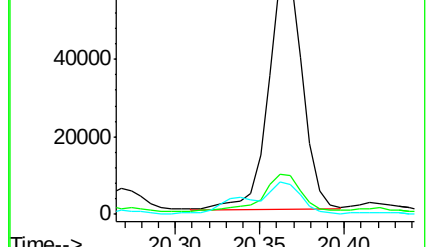
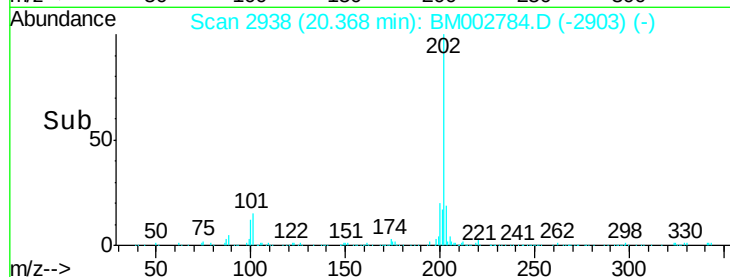


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



#83

Benzo(a)anthracene

Concen: 2.60 ng/ul

RT: 22.08 min Scan# 3229

Delta R.T. 0.01 min

Lab File: BM002784.D

Acq: 30 Sep 2015 14:29

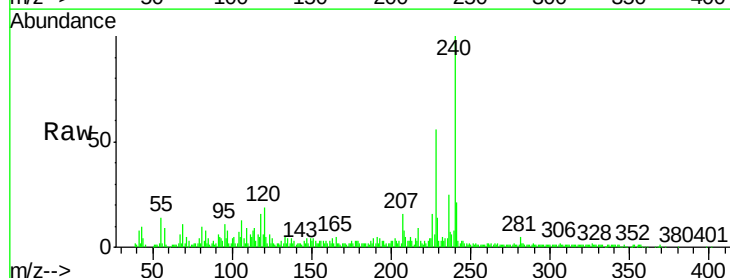
Tgt Ion:228 Resp: 64114

Ion Ratio Lower Upper

228 100

229 25.8 16.1 24.1#

226 29.2 20.9 31.3

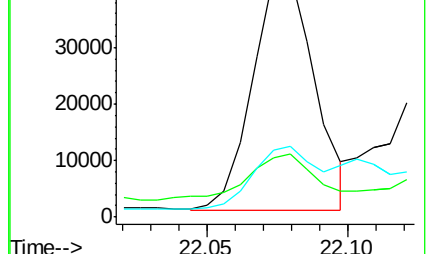
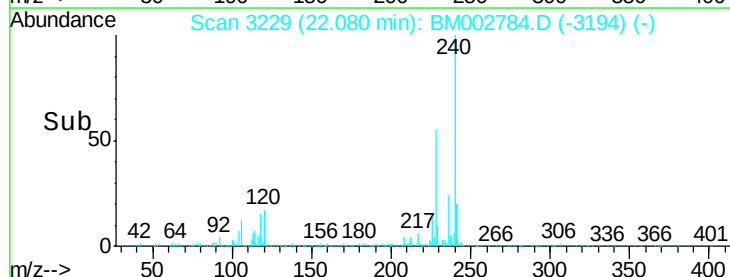


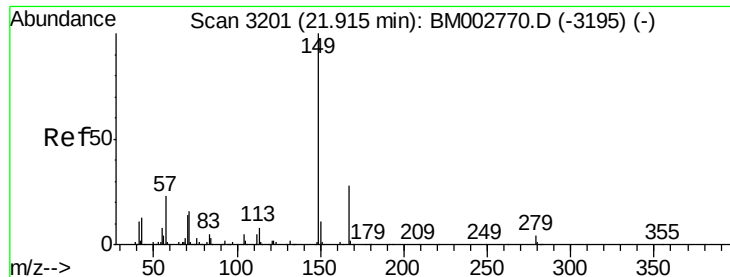
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.09 ng/ul

RT: 21.91 min Scan# 3201

Delta R.T. -0.00 min

Lab File: BM002784.D

Acq: 30 Sep 2015 14:29

Instrument :

BNA_M

ClientSampleId :

E5MX3

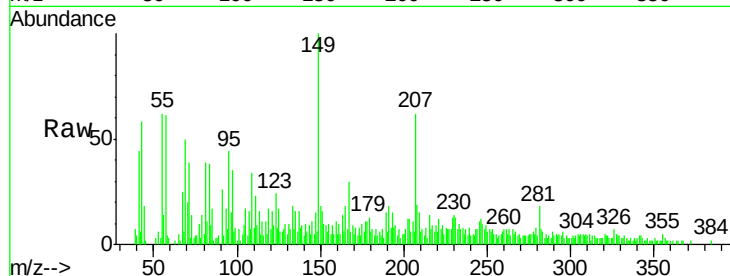
Tgt Ion:149 Resp: 19392

Ion Ratio Lower Upper

149 100

167 30.1 21.7 32.5

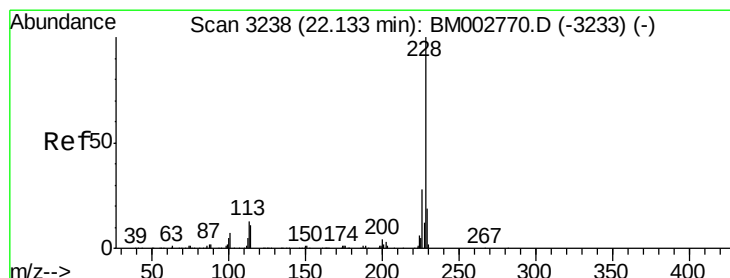
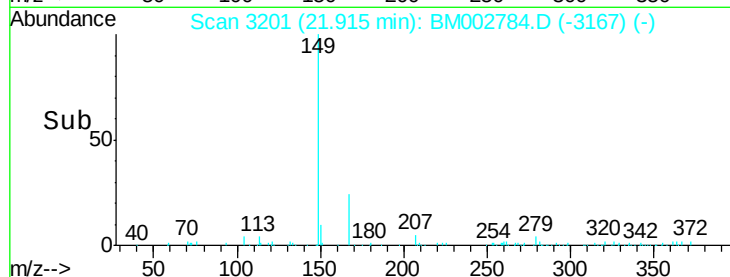
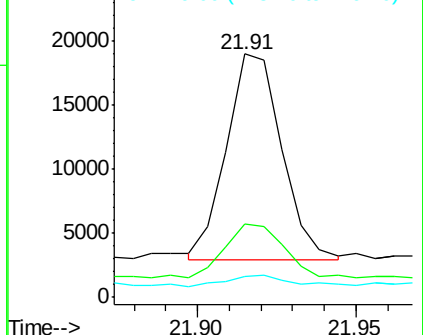
279 8.4 3.0 4.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 3.12 ng/ul

RT: 22.13 min Scan# 3238

Delta R.T. -0.00 min

Lab File: BM002784.D

Acq: 30 Sep 2015 14:29

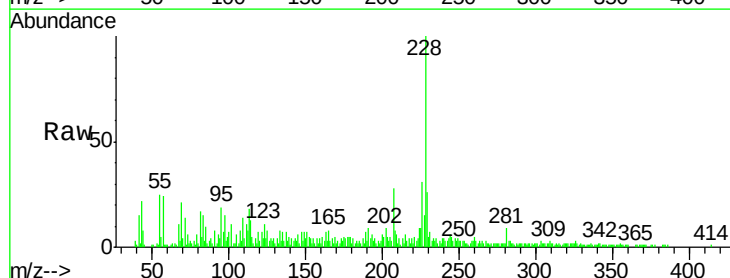
Tgt Ion:228 Resp: 72356

Ion Ratio Lower Upper

228 100

226 31.5 22.4 33.6

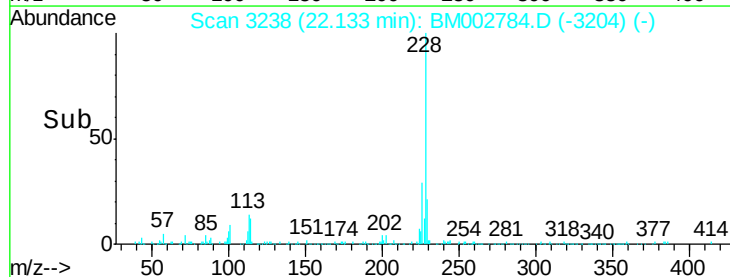
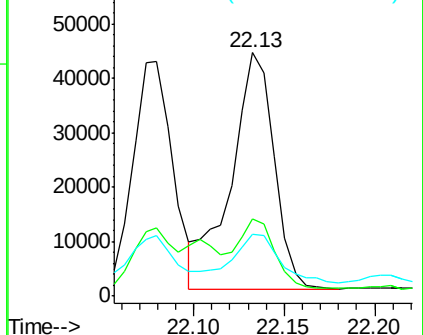
229 25.6 15.4 23.2#

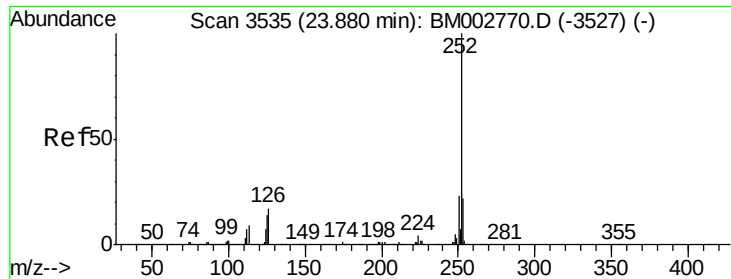


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 3.25 ng/ul

RT: 23.89 min Scan# 3537

Delta R.T. 0.01 min

Lab File: BM002784.D

Acq: 30 Sep 2015 14:29

Instrument :

BNA_M

ClientSampleId :

E5MX3

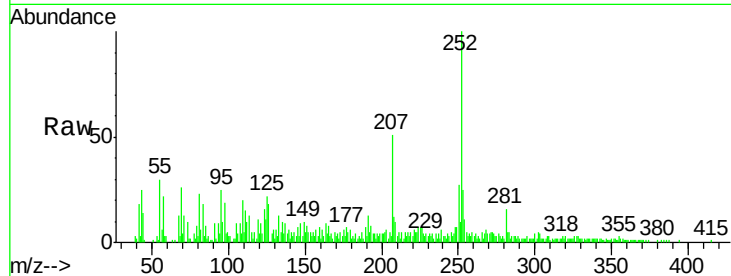
Tgt Ion:252 Resp: 83380

Ion Ratio Lower Upper

252 100

253 25.2 17.6 26.4

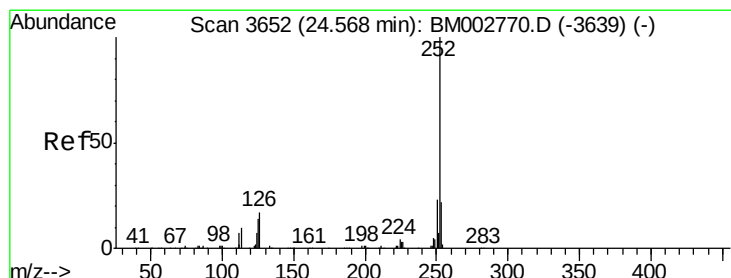
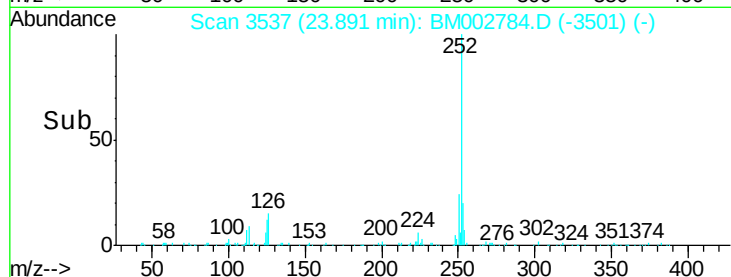
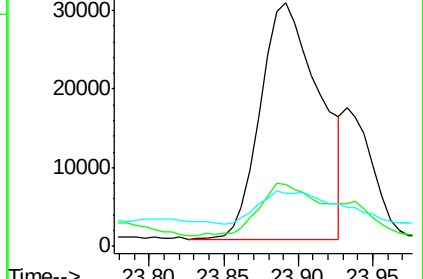
125 21.7 10.6 15.8#



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: 2.59 ng/ul

RT: 24.57 min Scan# 3653

Delta R.T. 0.01 min

Lab File: BM002784.D

Acq: 30 Sep 2015 14:29

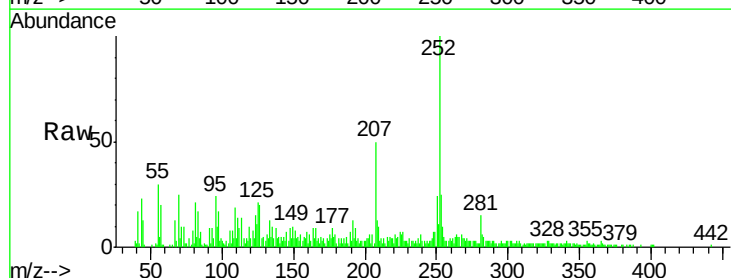
Tgt Ion:252 Resp: 63714

Ion Ratio Lower Upper

252 100

253 25.3 17.4 26.0

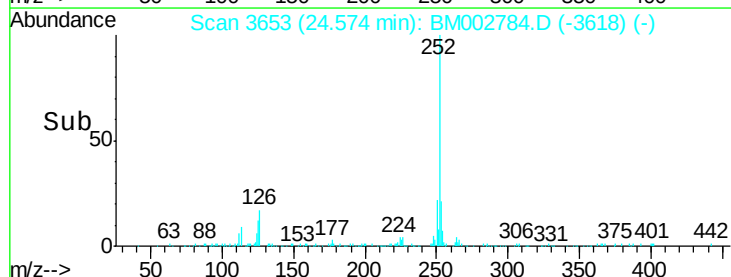
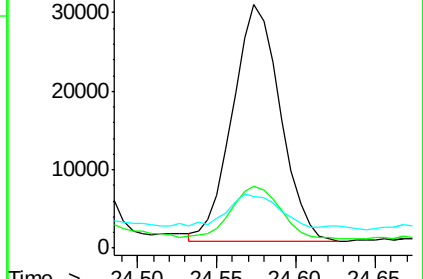
125 21.2 11.4 17.2#

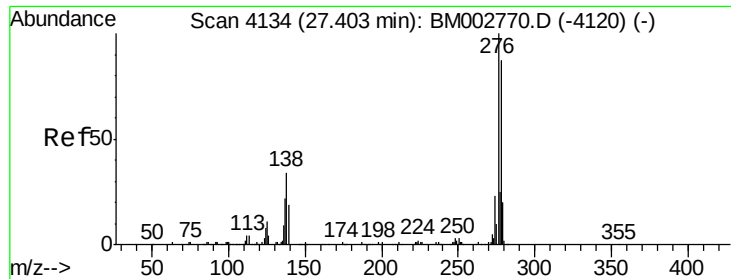


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 1.52 ng/ul

RT: 27.41 min Scan# 4135

Delta R.T. 0.01 min

Lab File: BM002784.D

Acq: 30 Sep 2015 14:29

Instrument :

BNA_M

ClientSampleId :

E5MX3

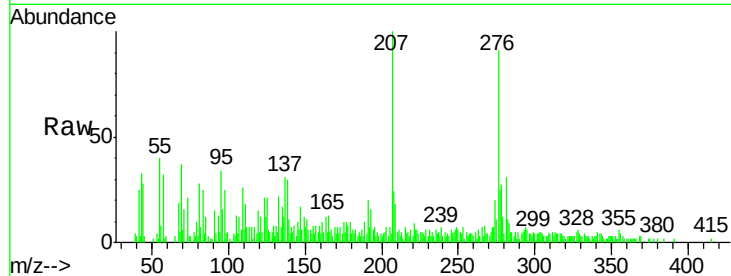
Tgt Ion:276 Resp: 43622

Ion Ratio Lower Upper

276 100

138 33.2 27.7 41.5

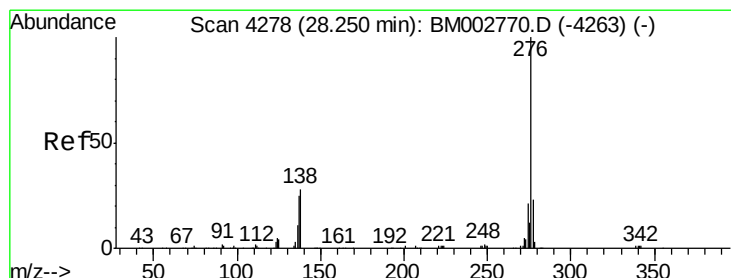
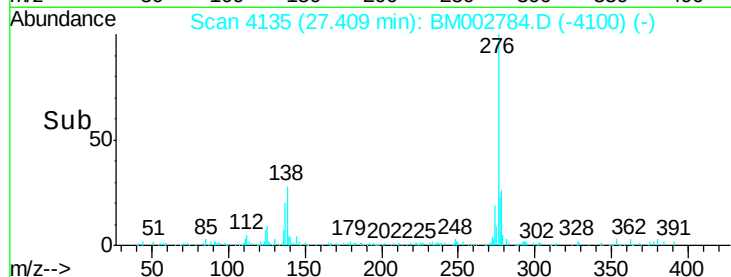
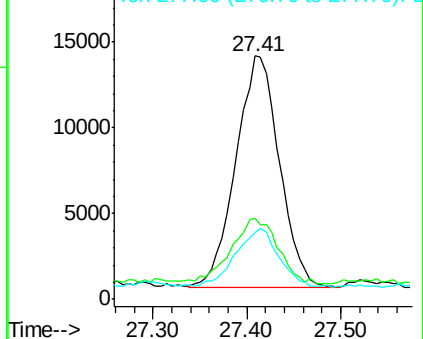
277 27.7 20.2 30.4



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: 2.04 ng/ul

RT: 28.26 min Scan# 4280

Delta R.T. 0.01 min

Lab File: BM002784.D

Acq: 30 Sep 2015 14:29

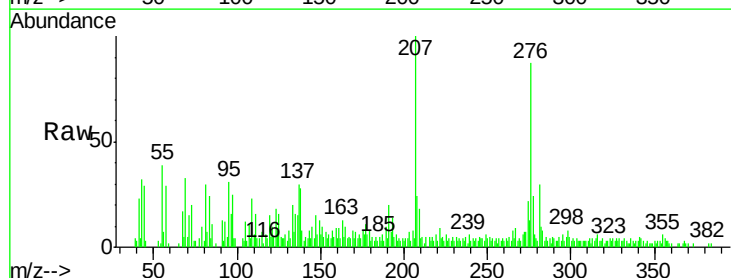
Tgt Ion:276 Resp: 49282

Ion Ratio Lower Upper

276 100

138 32.0 21.8 32.8

277 28.0 18.9 28.3



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

