

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080515\
 Data File : BM002240.D
 Acq On : 05 Aug 2015 19:45
 Operator : TP/UM
 Sample : G3095-11RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 06 01:47:30 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 06 01:44:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	30499	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	139253	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.19	164	88457	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.95	188	213479	20.00	ng/ul	0.00
78) Chrysene-d12	21.17	240	285312	20.00	ng/ul	0.01
86) Perylene-d12	23.35	264	245115	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.95	96	946	1.76	ng/uL	0.00
5) Phenol-d5	6.73	99	22699	10.02	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.86	67	14621	12.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	22214	11.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	22678	12.05	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	11810	11.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	12474	10.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	16831	7.39	ng/ul	0.01
29) 4-Chloroaniline-d4	10.48	131	21930	8.70	ng/ul	0.02
44) Dimethylphthalate-d6	13.60	166	84498	13.13	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	107055	13.16	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	7299	8.76	ng/ul	0.03
58) Fluorene-d10	15.19	176	78030	13.73	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.38	200	270	0.22	ng/ul	0.02
71) Anthracene-d10	17.05	188	126371	13.30	ng/ul	0.00
79) Pyrene-d10	19.36	212	152746	11.18	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.22	264	144952	12.18	ng/ul	0.01

Target Compounds

					Ovalue
28) Naphthalene	10.35	128	73178	11.11 ng/ul	98
34) 2-Methylnaphthalene	11.99	142	17659	3.48 ng/ul	90
35) 1-Methylnaphthalene	12.21	142	13277	2.74 ng/ul#	91
41) 1,1'-Biphenyl	13.03	154	8768	1.29 ng/ul	97
45) Dimethylphthalate	13.65	163	26976	4.20 ng/ul	98
48) Acenaphthylene	13.91	152	110786	13.36 ng/ul	99
50) Acenaphthene	14.26	153	133022	24.55 ng/ul	99
54) Dibenzofuran	14.60	168	82212	10.47 ng/ul	100
59) Fluorene	15.25	166	132738	20.56 ng/ul	99
70) Phenanthrene	17.00	178	2141590	195.37 ng/ul	100
72) Anthracene	17.09	178	479010	42.75 ng/ul	99
75) Carbazole	17.37	167	207414	22.21 ng/ul	100
76) Di-n-butylphthalate	17.91	149	11572	1.05 ng/ul	97
77) Fluoranthene	19.03	202	4575928	381.44 ng/ul	96
80) Pyrene	19.40	202	4136663	235.89 ng/ul	97
83) Benzo(a)anthracene	21.16	228	2468651	154.45 ng/ul	99
85) Chrysene	21.21	228	2218794	150.77 ng/ul	96
88) Benzo(b)fluoranthene	22.72	252	2692905	194.98 ng/ul	98
89) Benzo(k)fluoranthene	22.74	252	953762	71.31 ng/ul	98
91) Benzo(a)pyrene	23.27	252	1933486	146.58 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.57	276	1172977	78.92 ng/ul#	95
93) Dibenzo(a,h)anthracene	25.56	278	304067	23.99 ng/ul	94
94) Benzo(g,h,i)perylene	26.24	276	1051737	84.97 ng/ul	99

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 01:44:45 2015
Response via : Initial Calibration

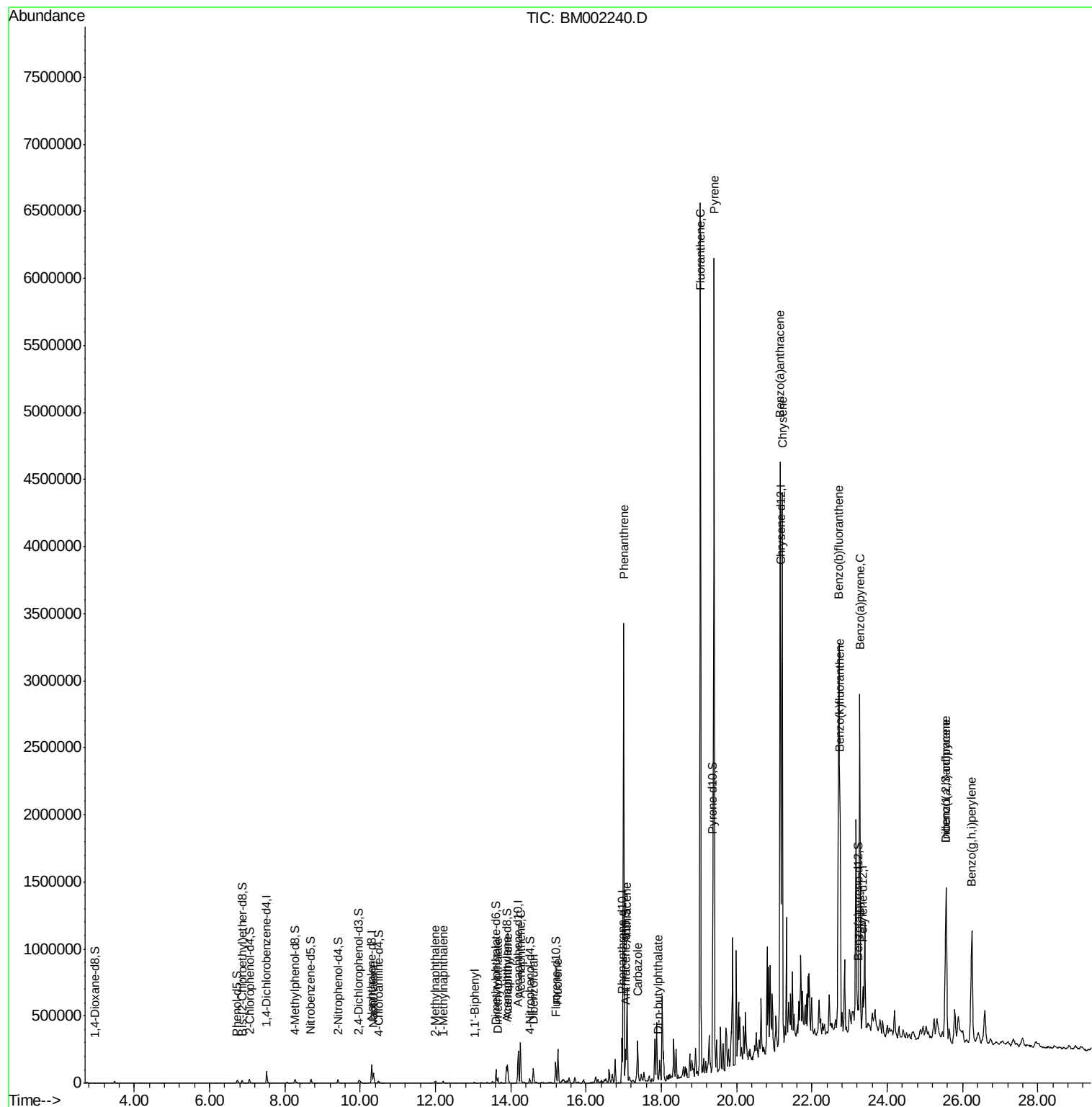
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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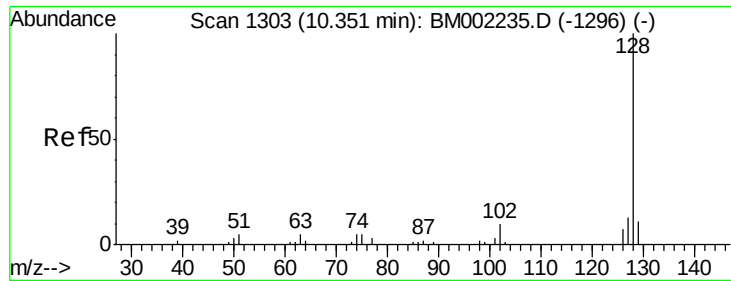
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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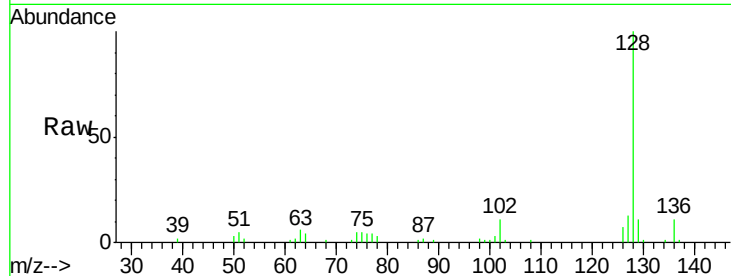




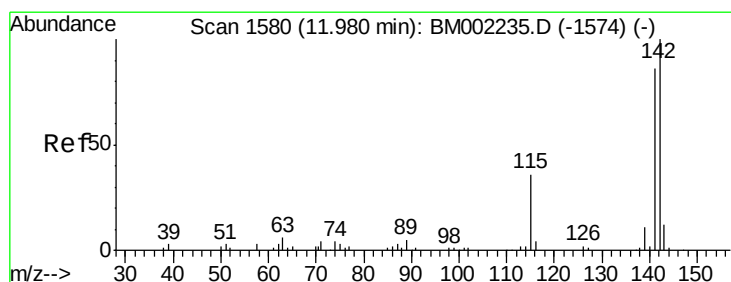
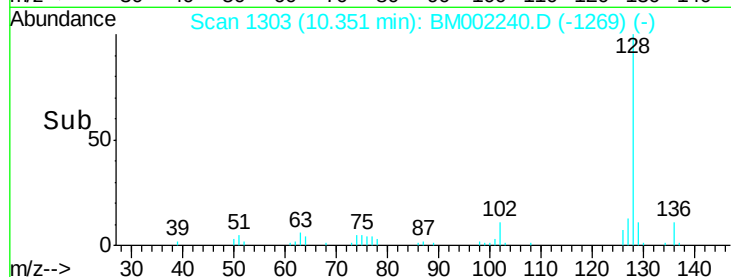
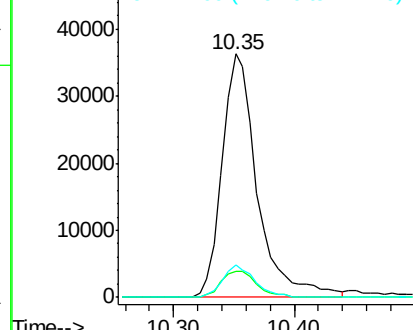
#28
Naphthalene
Concen: 11.11 ng/ul
RT: 10.35 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM002240.D
Acq: 05 Aug 2015 19:45

Instrument :
BNA_M
ClientSampleId :

Tot Ion:128 Resp: 73178
Ion Ratio Lower Upper
128 100
129 10.7 8.2 12.2
127 13.3 10.1 15.1

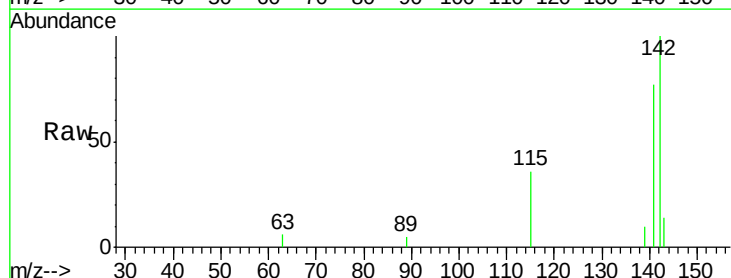


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

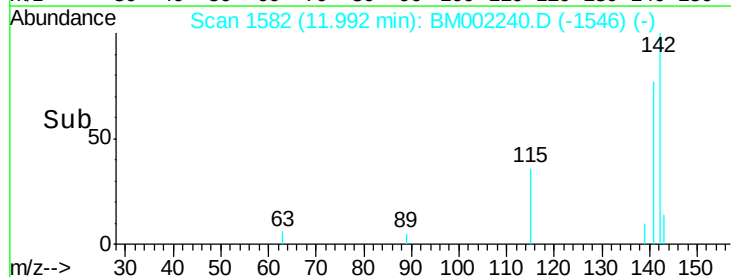
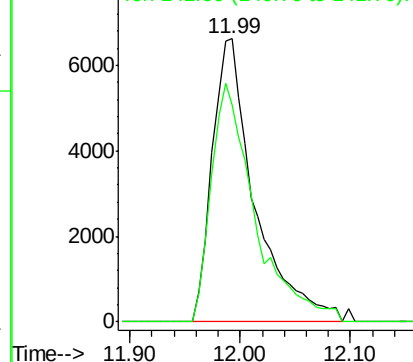


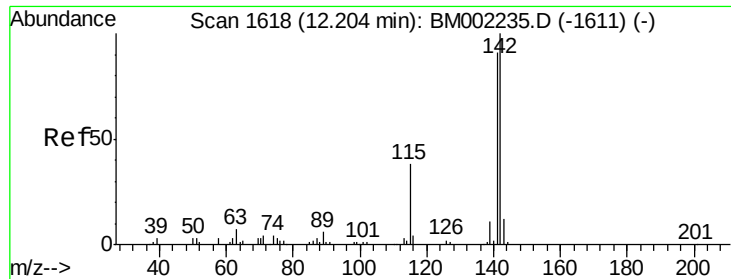
#34
2-Methylnaphthalene
Concen: 3.48 ng/ul
RT: 11.99 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BM002240.D
Acq: 05 Aug 2015 19:45

Tgt Ion:142 Resp: 17659
Ion Ratio Lower Upper
142 100
141 76.7 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

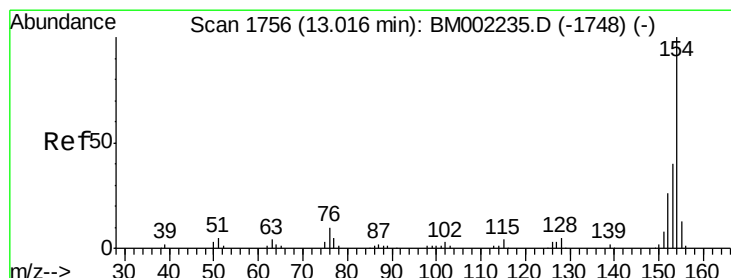
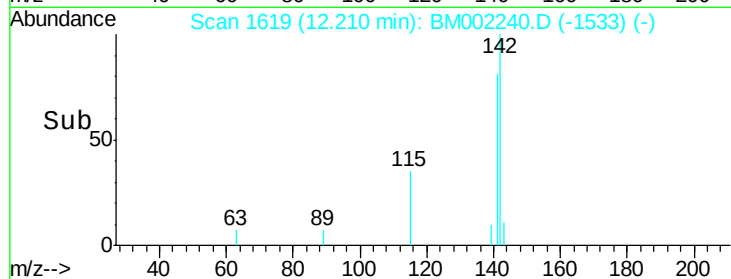
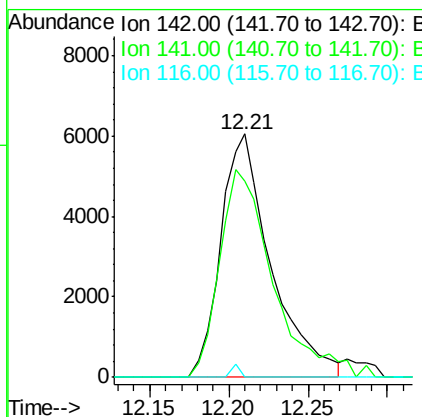
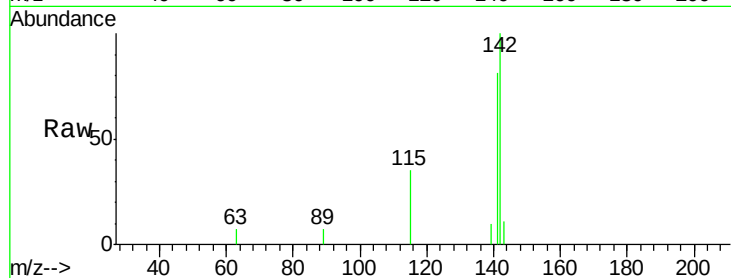




#35
 1-Methylnaphthalene
 Concen: 2.74 ng/ul
 RT: 12.21 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BM002240.D
 Acq: 05 Aug 2015 19:45

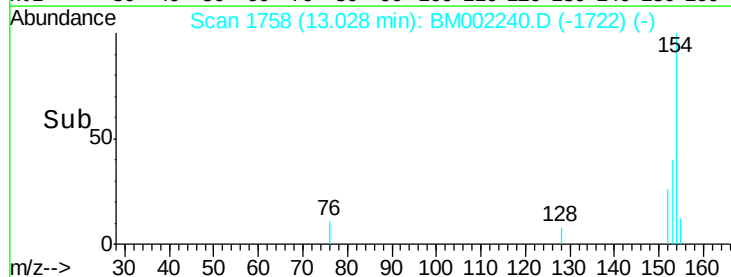
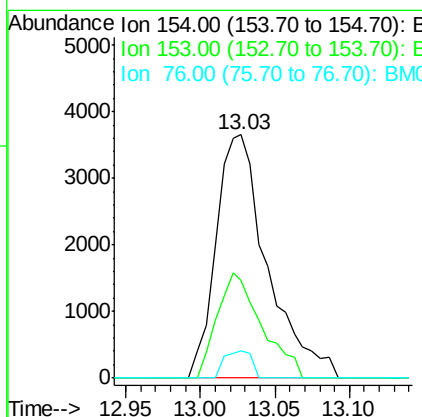
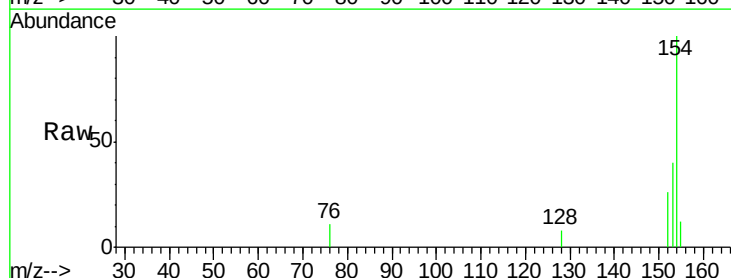
Instrument :
 BNA_M
 ClientSampleId :

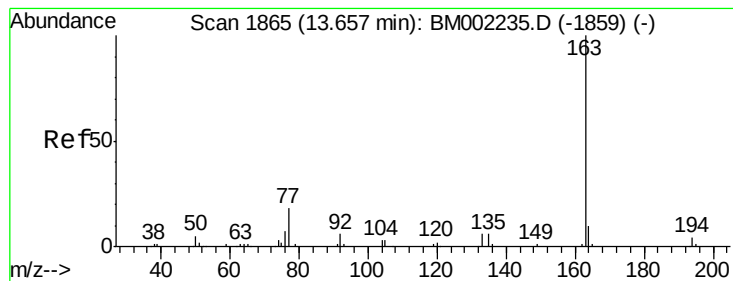
Tot Ion:142 Resp: 13277
 Ion Ratio Lower Upper
 142 100
 141 80.7 71.0 106.4
 116 0.0 3.3 4.9#



#41
 1,1'-Biphenyl
 Concen: 1.29 ng/ul
 RT: 13.03 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: BM002240.D
 Acq: 05 Aug 2015 19:45

Tgt Ion:154 Resp: 8768
 Ion Ratio Lower Upper
 154 100
 153 40.3 31.0 46.6
 76 11.2 8.0 12.0





#45

Dimethylphthalate

Concen: 4.20 ng/ul

RT: 13.65 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BM002240.D

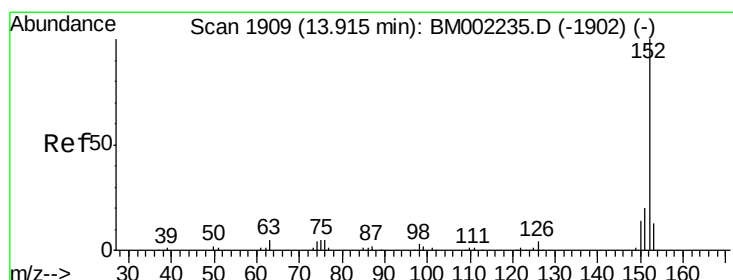
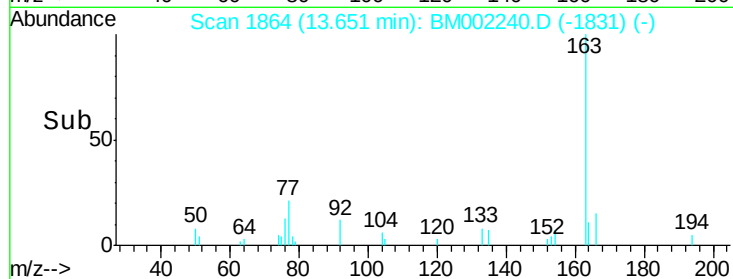
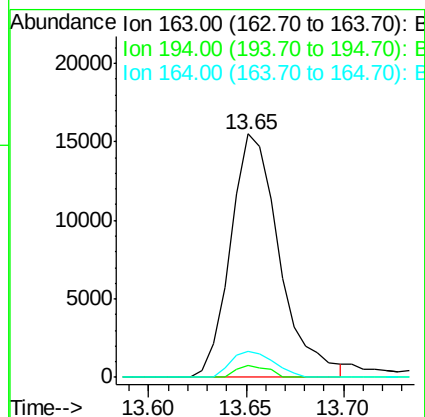
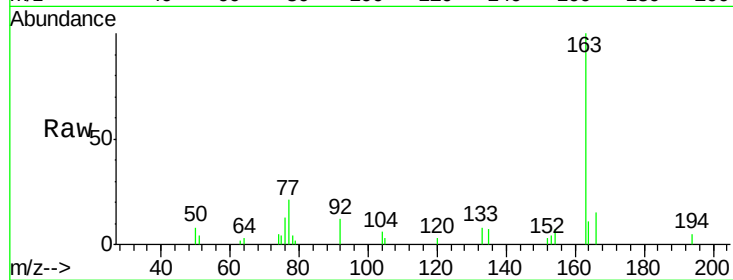
Acq: 05 Aug 2015 19:45

Instrument :

BNA_M

ClientSampleId :

Tot Ion:163	Resp:	26976
Ion	Ratio	Lower Upper
163	100	
194	4.8	3.4 5.2
164	10.6	7.9 11.9



#48

Acenaphthylene

Concen: 13.36 ng/ul

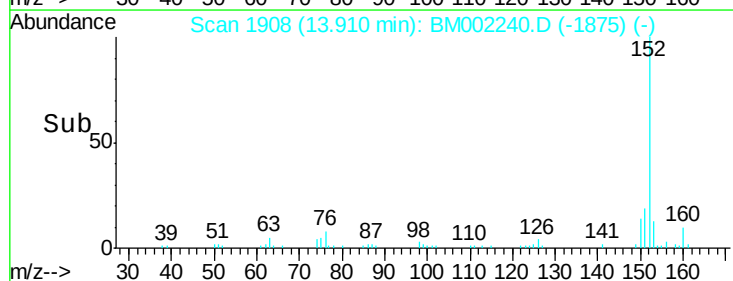
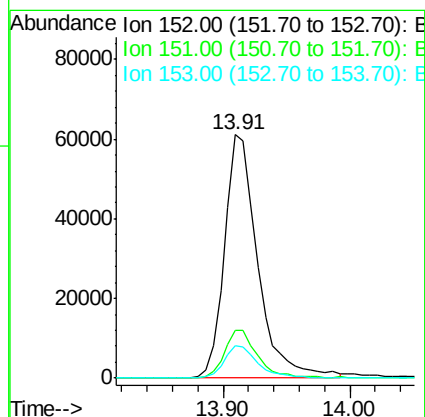
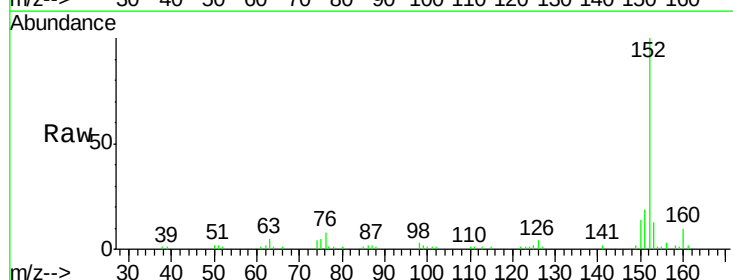
RT: 13.91 min Scan# 1908

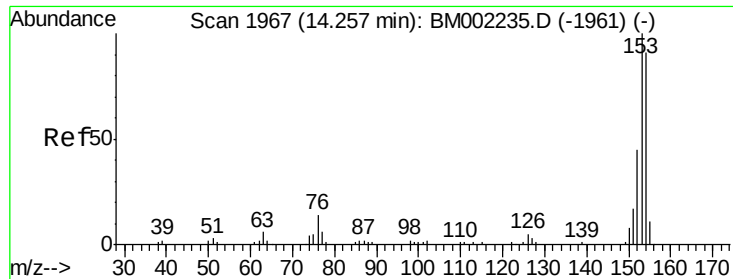
Delta R.T. -0.01 min

Lab File: BM002240.D

Acq: 05 Aug 2015 19:45

Tgt Ion:152	Resp:	110786
Ion	Ratio	Lower Upper
152	100	
151	19.4	15.2 22.8
153	13.1	10.3 15.5





#50

Acenaphthene

Concen: 24.55 ng/ul

RT: 14.26 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BM002240.D

Acq: 05 Aug 2015 19:45

Instrument :

BNA_M

ClientSampled :

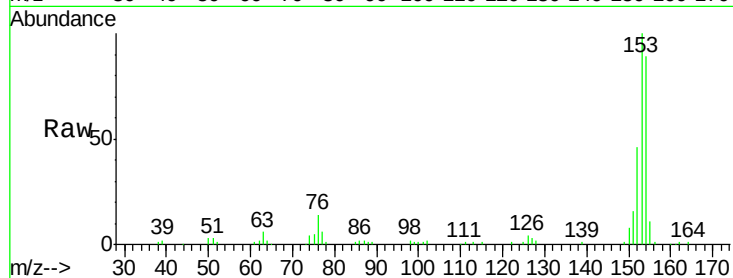
Tot Ion:153 Resp: 133022

Ion Ratio Lower Upper

153 100

152 46.5 36.6 54.8

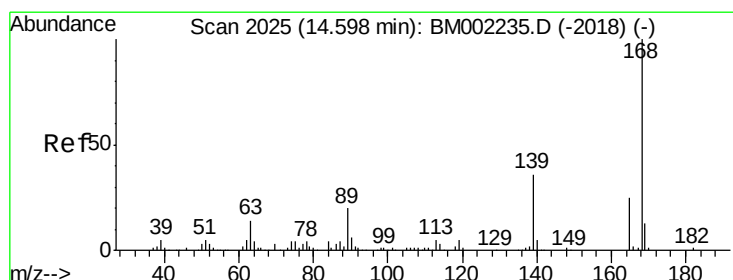
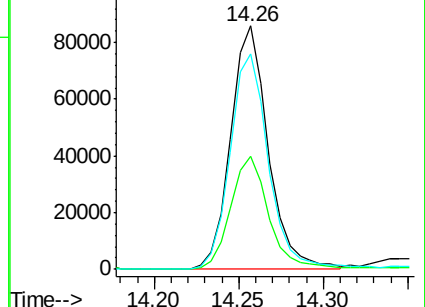
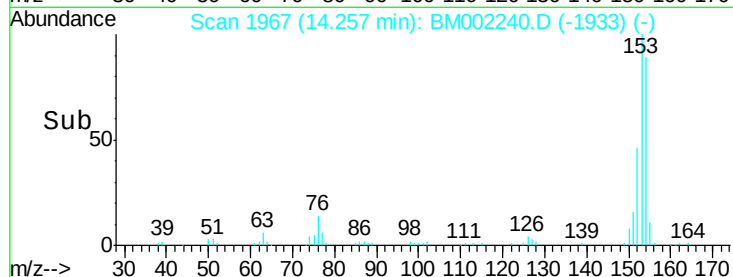
154 88.7 71.7 107.5



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



#54

Dibenzofuran

Concen: 10.47 ng/ul

RT: 14.60 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BM002240.D

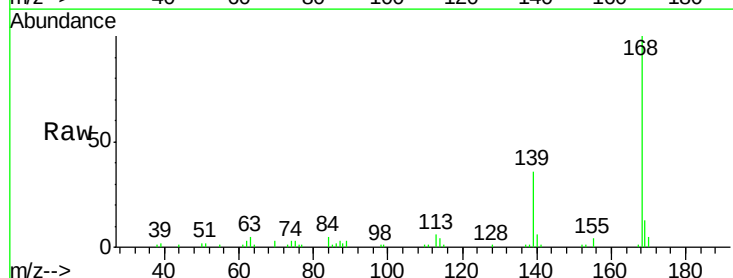
Acq: 05 Aug 2015 19:45

Tgt Ion:168 Resp: 82212

Ion Ratio Lower Upper

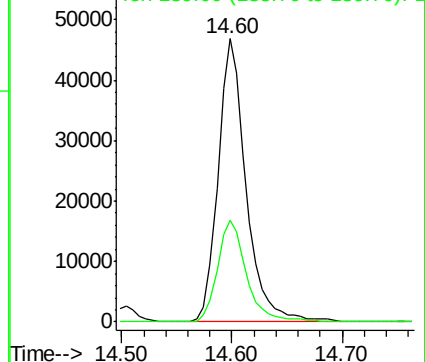
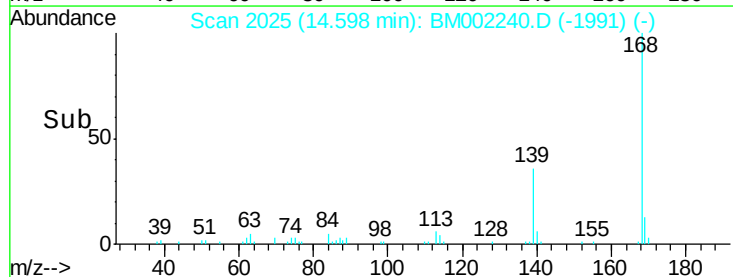
168 100

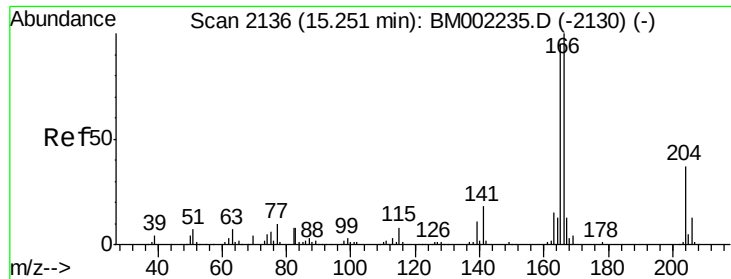
139 35.9 28.6 42.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 20.56 ng/ul

RT: 15.25 min Scan# 2136

Delta R.T. 0.00 min

Lab File: BM002240.D

Acq: 05 Aug 2015 19:45

Instrument :

BNA_M

ClientSampleId :

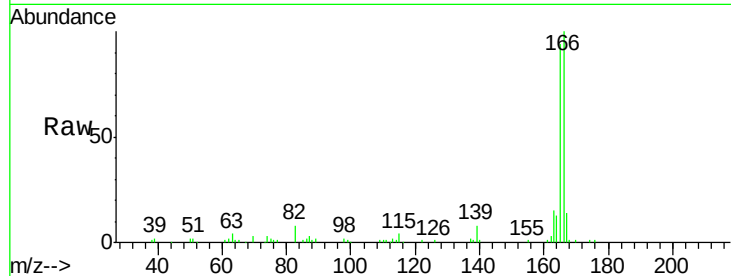
Tot Ion:166 Resp: 132738

Ion Ratio Lower Upper

166 100

165 94.3 76.0 114.0

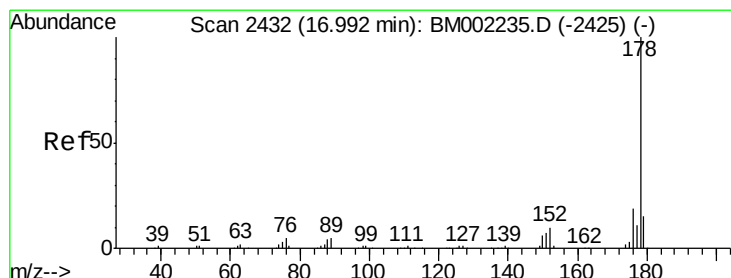
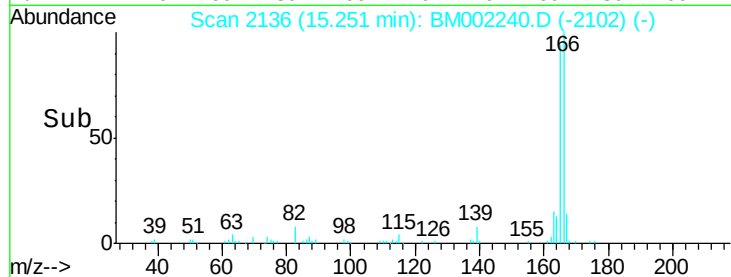
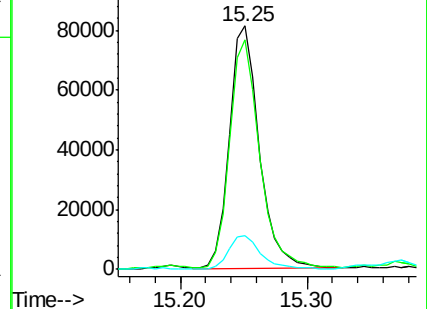
167 14.1 10.5 15.7



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



#70

Phenanthrene

Concen: 195.37 ng/ul

RT: 17.00 min Scan# 2433

Delta R.T. 0.01 min

Lab File: BM002240.D

Acq: 05 Aug 2015 19:45

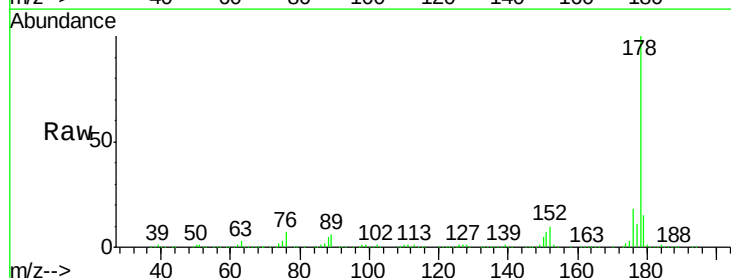
Tgt Ion:178 Resp: 2141590

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

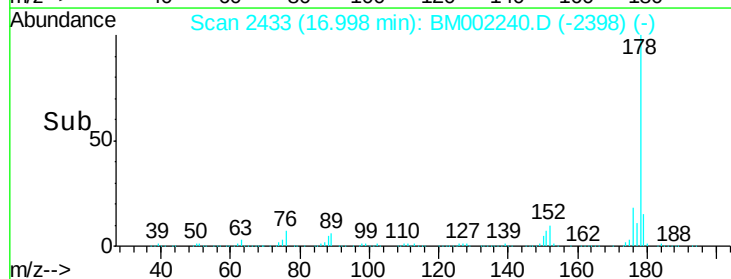
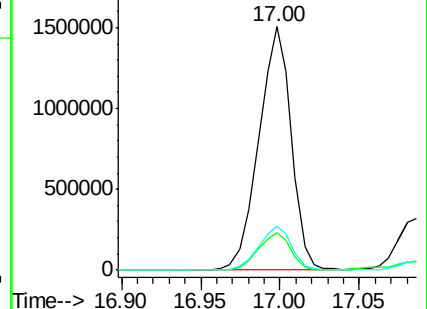
176 18.1 14.6 21.8

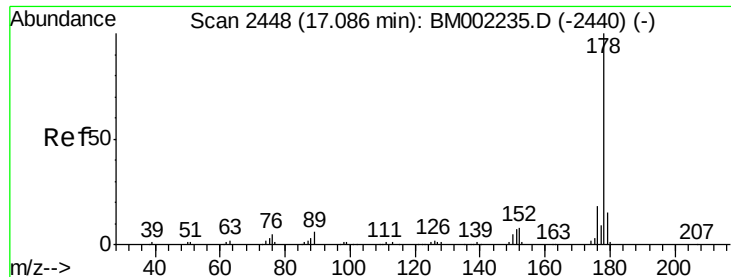


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 42.75 ng/ul

RT: 17.09 min Scan# 2448

Delta R.T. 0.00 min

Lab File: BM002240.D

Acq: 05 Aug 2015 19:45

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ClientSampleId :

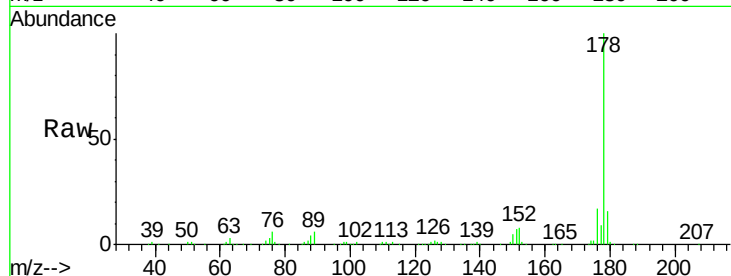
Tot Ion:178 Resp: 479010

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.2
176	17.3	13.8	20.6

178 100

179 15.5 12.2 18.2

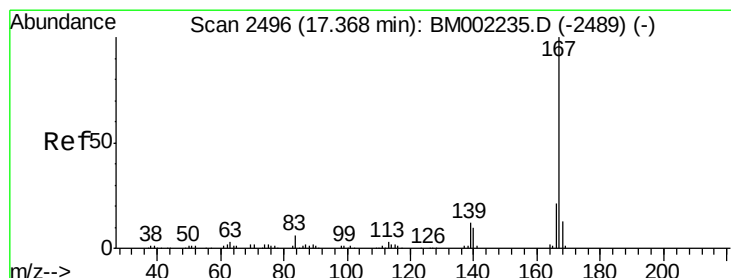
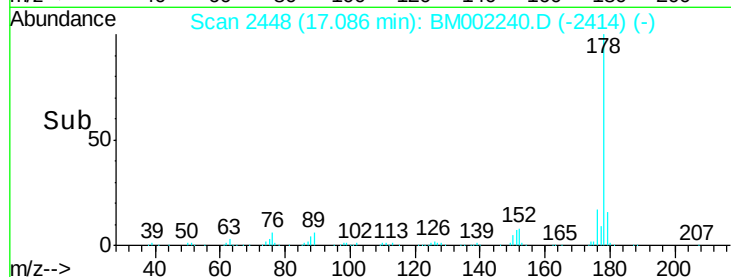
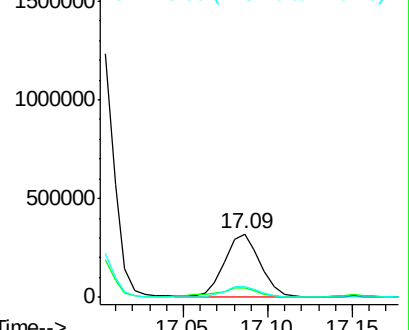
176 17.3 13.8 20.6



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



#75

Carbazole

Concen: 22.21 ng/ul

RT: 17.37 min Scan# 2496

Delta R.T. 0.00 min

Lab File: BM002240.D

Acq: 05 Aug 2015 19:45

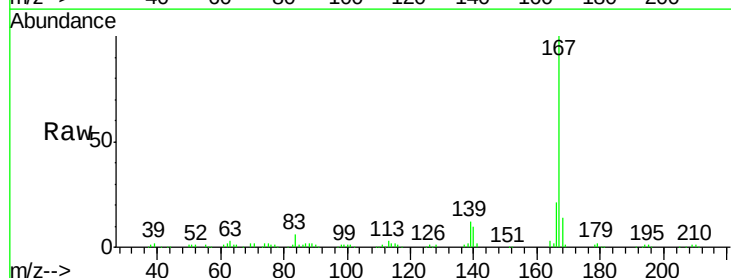
Tgt Ion:167 Resp: 207414

Ion	Ratio	Lower	Upper
167	100		
166	20.8	16.7	25.1
139	12.1	9.4	14.2

167 100

166 20.8 16.7 25.1

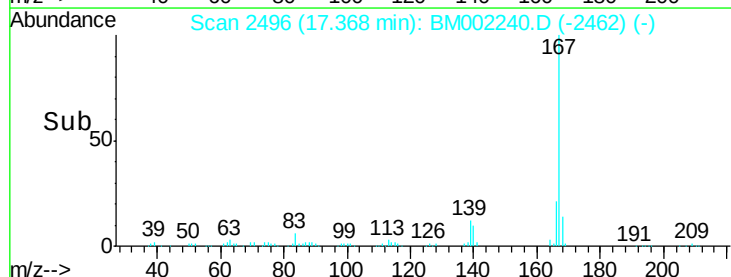
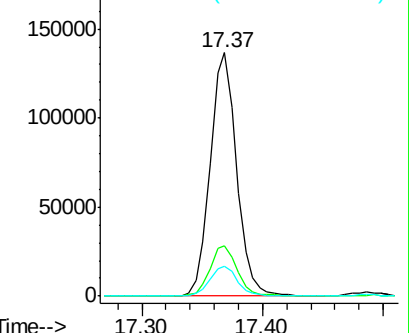
139 12.1 9.4 14.2

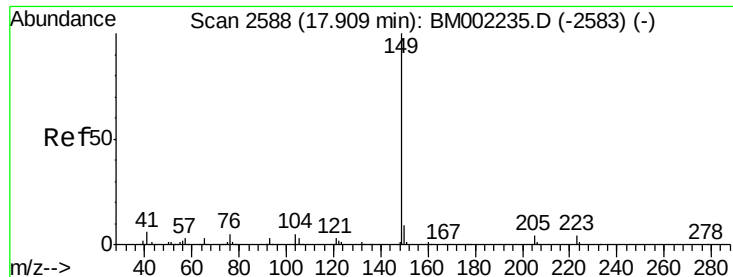


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

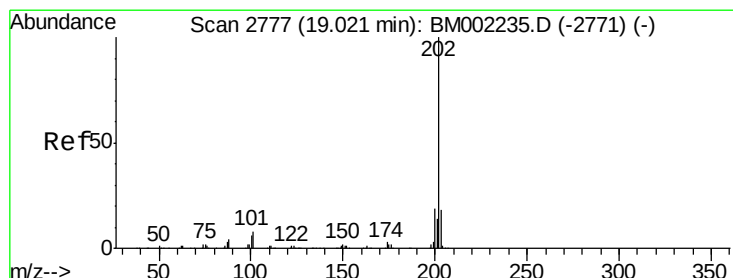
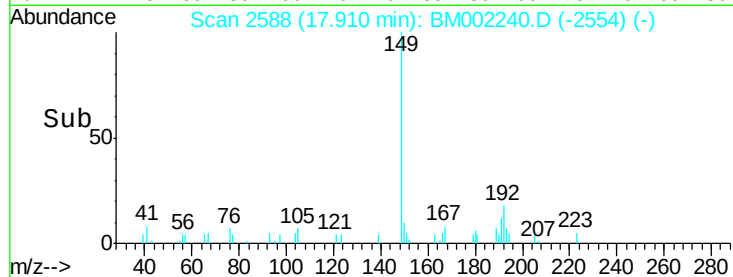
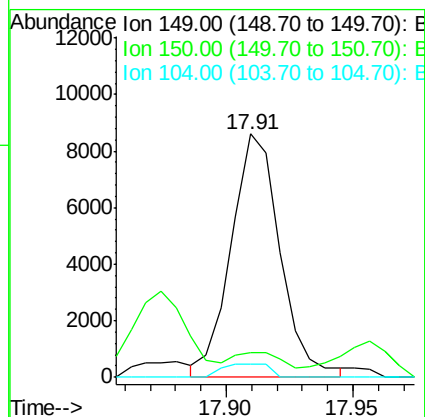
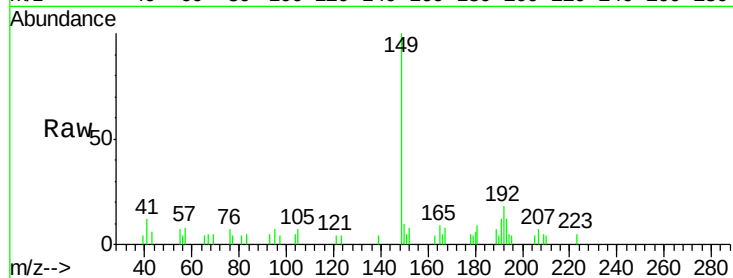




#76
Di-n-butylphthalate
Concen: 1.05 ng/ul
RT: 17.91 min Scan# 2588
Delta R.T. 0.00 min
Lab File: BM002240.D
Acq: 05 Aug 2015 19:45

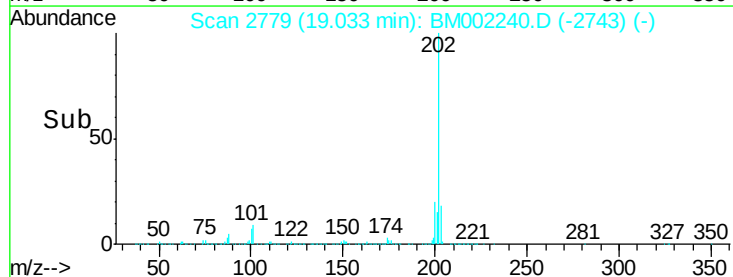
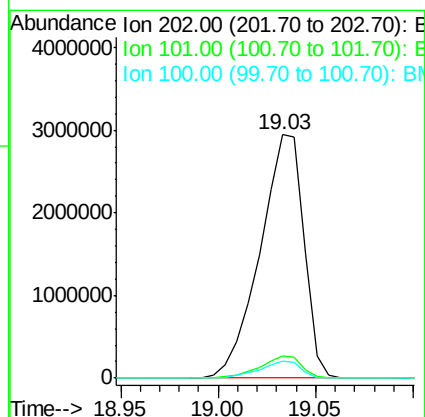
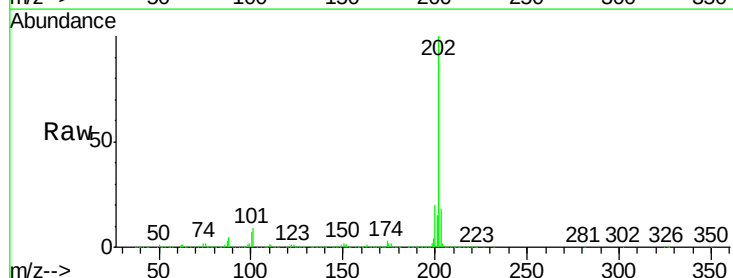
Instrument :
BNA_M
ClientSampleId :

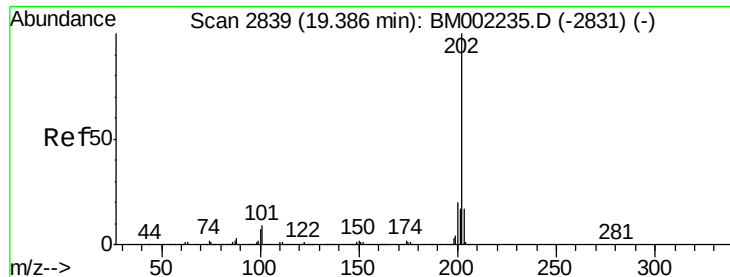
Tot Ion:149 Resp: 11572
Ion Ratio Lower Upper
149 100
150 10.0 7.0 10.4
104 5.2 4.0 6.0



#77
Fluoranthene
Concen: 381.44 ng/ul
RT: 19.03 min Scan# 2779
Delta R.T. 0.01 min
Lab File: BM002240.D
Acq: 05 Aug 2015 19:45

Tgt Ion:202 Resp: 4575928
Ion Ratio Lower Upper
202 100
101 9.1 6.2 9.2
100 7.1 4.8 7.2

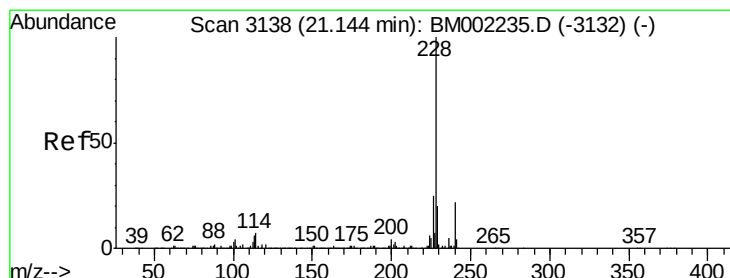
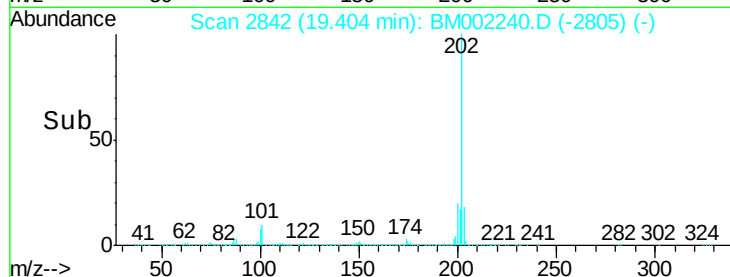
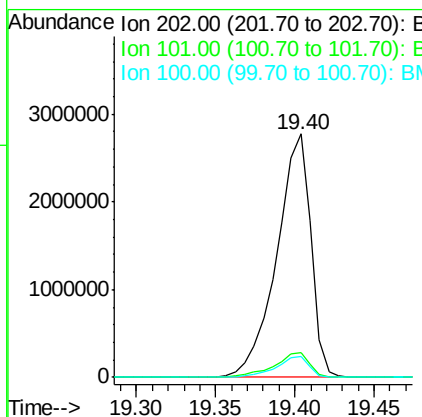
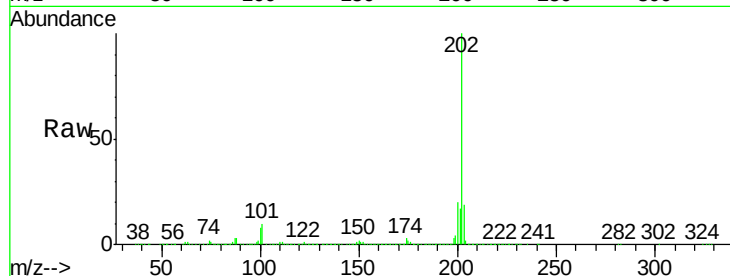




#80
Pvrene
Concen: 235.89 ng/ul
RT: 19.40 min Scan# 2842
Delta R.T. 0.02 min
Lab File: BM002240.D
Acq: 05 Aug 2015 19:45

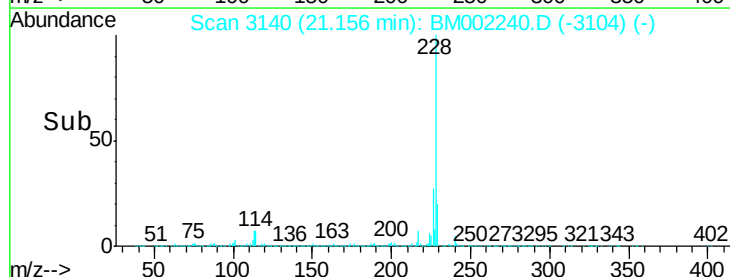
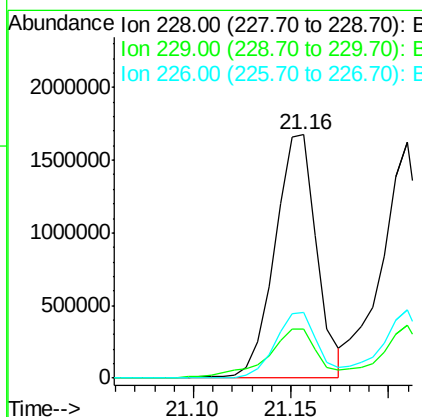
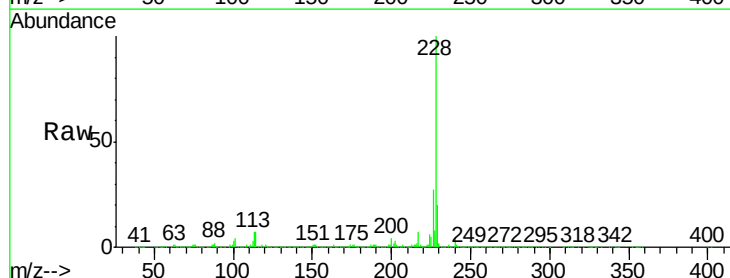
Instrument :
BNA_M
ClientSampleId :

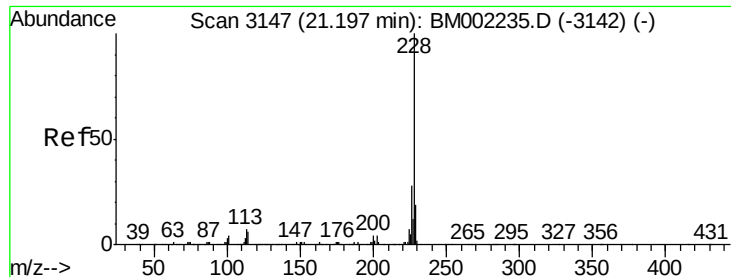
Tot Ion:202 Resp: 4136663
Ion Ratio Lower Upper
202 100
101 10.0 7.0 10.6
100 8.4 5.8 8.8



#83
Benzo(a)anthracene
Concen: 154.45 ng/ul
RT: 21.16 min Scan# 3140
Delta R.T. 0.01 min
Lab File: BM002240.D
Acq: 05 Aug 2015 19:45

Tgt Ion:228 Resp: 2468651
Ion Ratio Lower Upper
228 100
229 20.0 15.9 23.9
226 27.1 20.6 31.0





#85

Chrysene

Concen: 150.77 ng/ul

RT: 21.21 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BM002240.D

Acq: 05 Aug 2015 19:45

Instrument :

BNA_M

ClientSampleId :

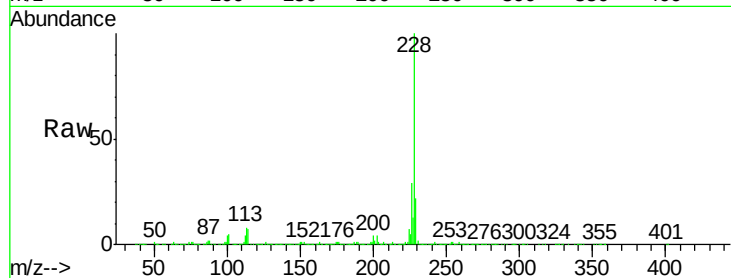
Tot Ion:228 Resp: 2218794

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.2	33.4
229	22.3	15.5	23.3

228 100

226 29.0 22.2 33.4

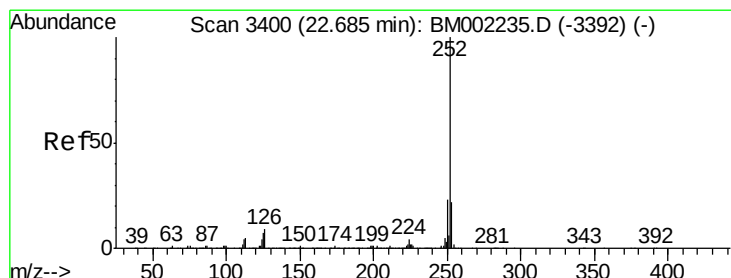
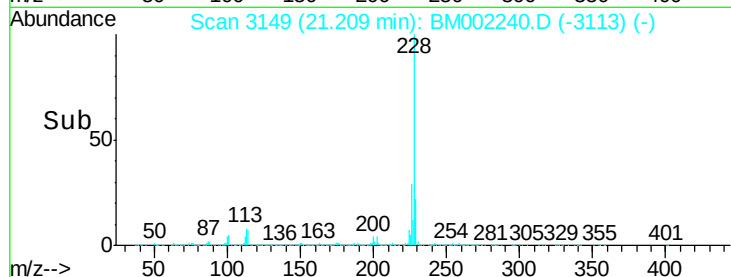
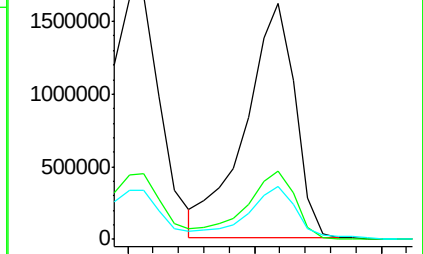
229 22.3 15.5 23.3



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: 194.98 ng/ul

RT: 22.72 min Scan# 3405

Delta R.T. 0.03 min

Lab File: BM002240.D

Acq: 05 Aug 2015 19:45

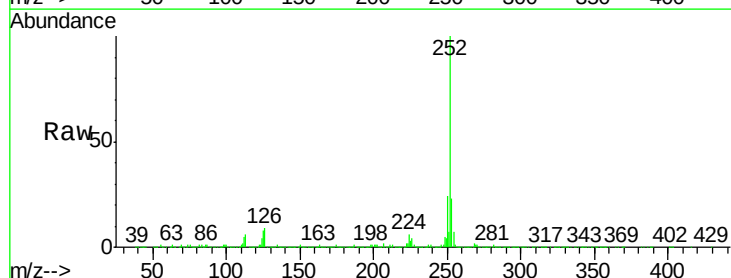
Tgt Ion:252 Resp: 2692905

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	8.1	5.4	8.2

252 100

253 22.6 17.4 26.0

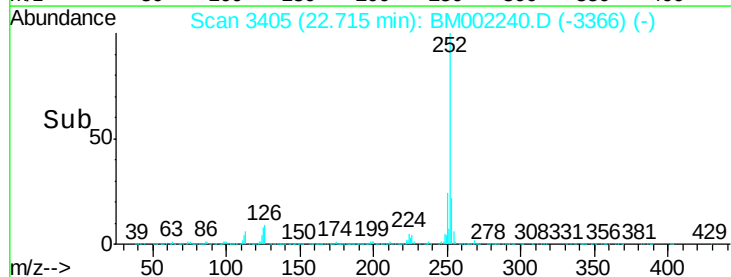
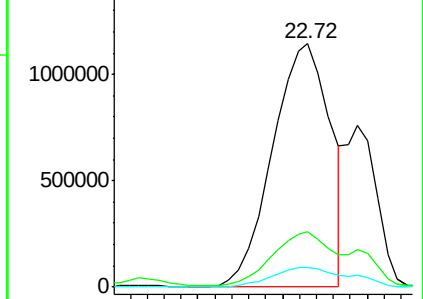
125 8.1 5.4 8.2

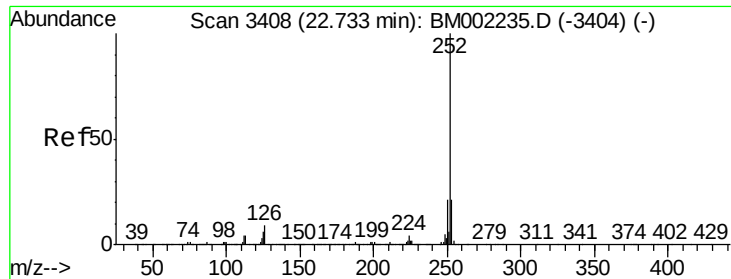


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

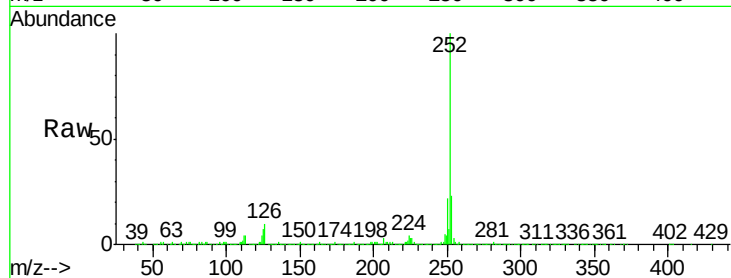




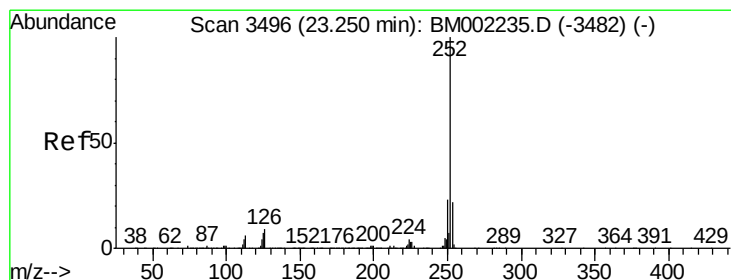
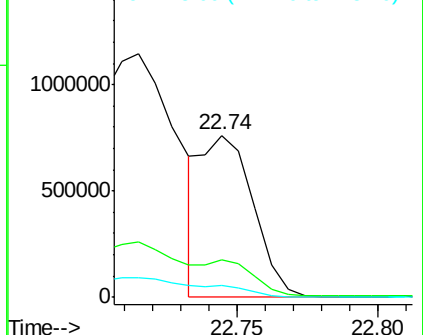
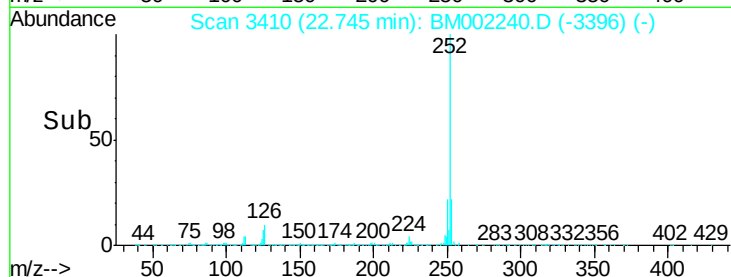
#89
Benzo(k)fluoranthene
Concen: 71.31 ng/ul
RT: 22.74 min Scan# 3410
Delta R.T. 0.01 min
Lab File: BM002240.D
Acq: 05 Aug 2015 19:45

Instrument :
BNA_M
ClientSampleId :

Tot Ion:252 Resp: 953762
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 7.5 5.6 8.4

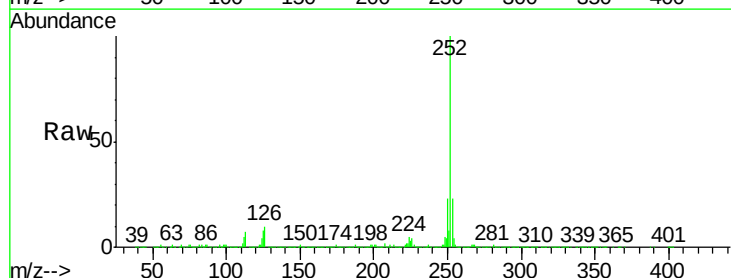


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

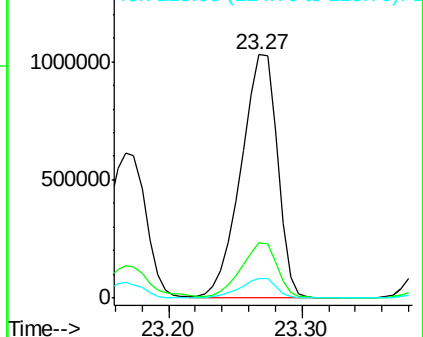
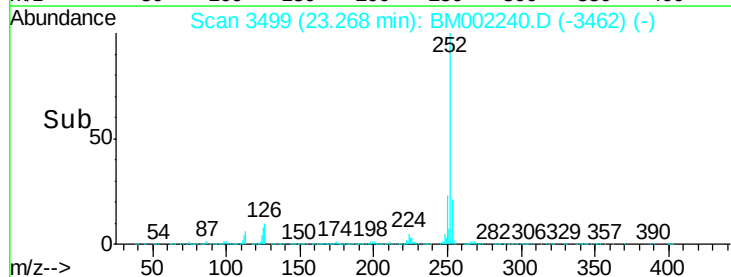


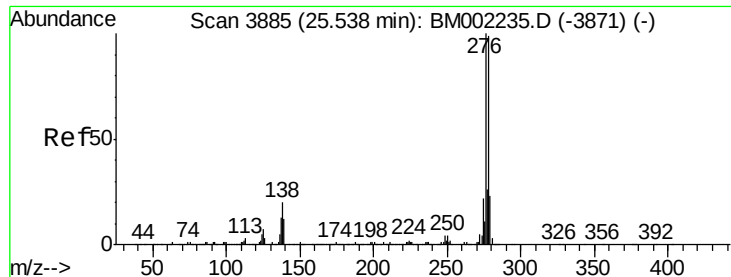
#91
Benzo(a)pyrene
Concen: 146.58 ng/ul
RT: 23.27 min Scan# 3499
Delta R.T. 0.02 min
Lab File: BM002240.D
Acq: 05 Aug 2015 19:45

Tgt Ion:252 Resp: 1933486
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 8.0 6.1 9.1



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



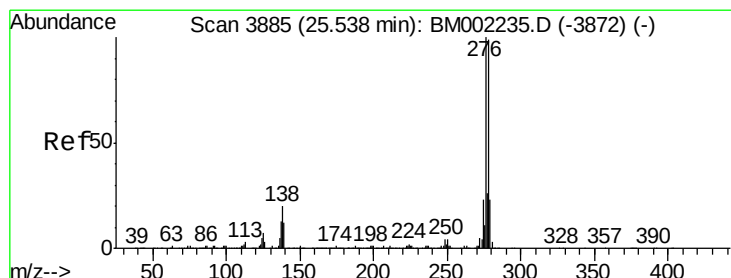
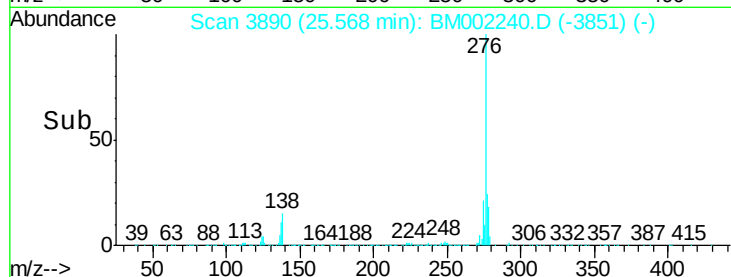
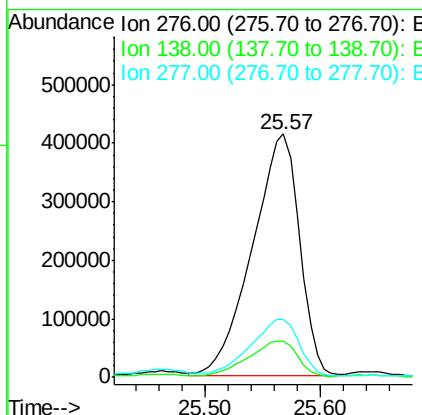
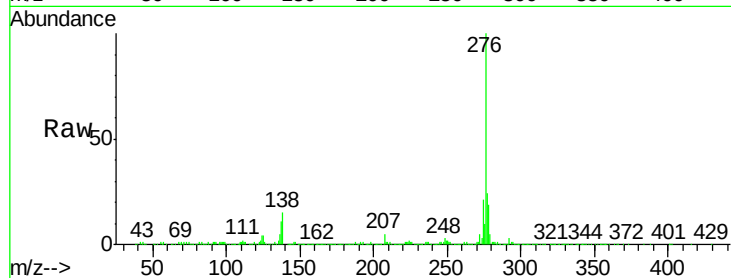


#92

Indeno(1,2,3-cd)pyrene
Concen: 78.92 ng/ul
RT: 25.57 min Scan# 3890
Delta R.T. 0.03 min
Lab File: BM002240.D
Acq: 05 Aug 2015 19:45

Instrument :
BNA_M
ClientSampleId :

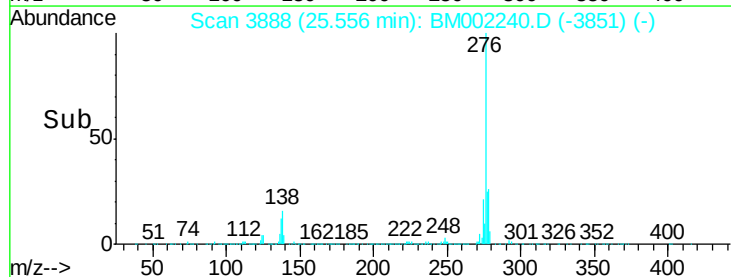
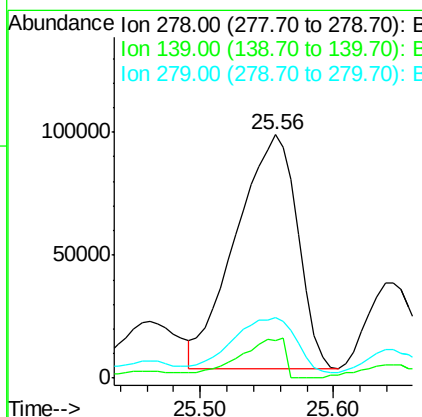
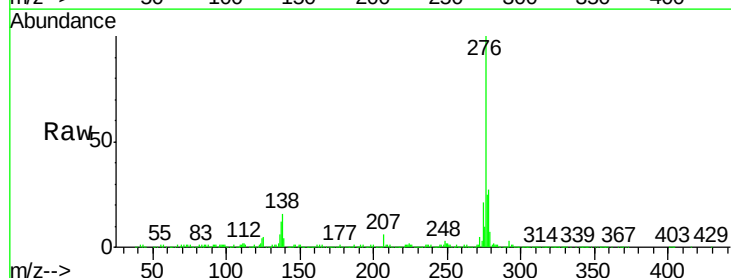
Tot Ion:276 Resp: 1172977
Ion Ratio Lower Upper
276 100
138 15.1 15.4 23.0#
277 24.0 20.2 30.2

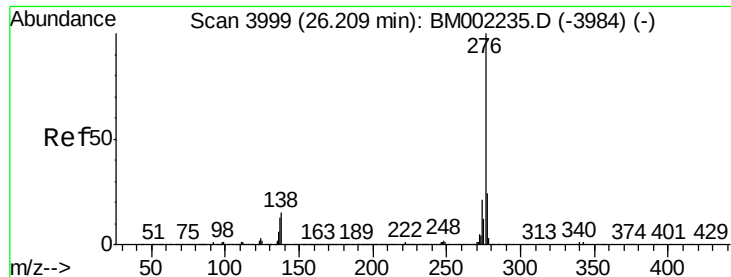


#93

Dibenzo(a,h)anthracene
Concen: 23.99 ng/ul
RT: 25.56 min Scan# 3888
Delta R.T. 0.02 min
Lab File: BM002240.D
Acq: 05 Aug 2015 19:45

Tgt Ion:278 Resp: 304067
Ion Ratio Lower Upper
278 100
139 15.3 10.4 15.6
279 25.1 17.9 26.9





#94

Benzo(a,h,i)perylene

Concen: 84.97 ng/ul

RT: 26.24 min Scan# 4005

Delta R.T. 0.04 min

Lab File: BM002240.D

Acq: 05 Aug 2015 19:45

Instrument :

BNA_M

ClientSampleId :

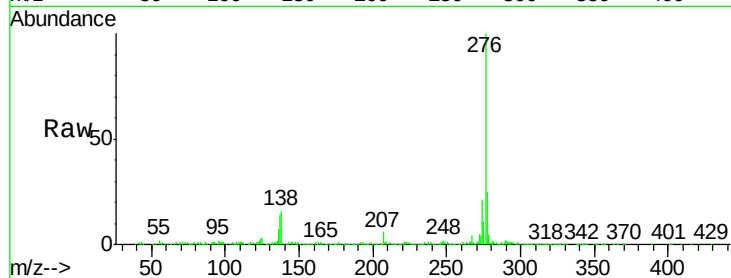
Tot Ion:276 Resp: 1051737

Ion Ratio Lower Upper

276 100

138 15.8 12.5 18.7

277 25.0 19.4 29.0



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

