

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072315\
 Data File : BM002023.D
 Acq On : 23 Jul 2015 19:12
 Operator : TP/UM
 Sample : G3000-18
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02J2RE

Quant Time: Jul 24 01:33:41 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 24 01:29:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	75408	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	283001	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.28	164	154029	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.03	188	328537	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	402448	20.00	ng/ul	0.00
85) Perylene-d12	23.45	264	401966	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	3239	2.10	ng/uL	0.00
5) Phenol-d5	6.79	99	86256	14.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	48687	14.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	73737	15.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	52988	10.48	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	37913	17.94	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	42921	18.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	79710	16.84	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	37723	7.74	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	226750	18.25	ng/ul	0.00
46) Acenaphthylene-d8	13.97	160	281965	18.87	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	34945	16.61	ng/ul	0.00
57) Fluorene-d10	15.27	176	196619	18.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.41	200	4532	2.13	ng/ul	0.00
70) Anthracene-d10	17.13	188	288799	18.73	ng/ul	0.00
78) Pyrene-d10	19.44	212	328886	17.89	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.31	264	321140	15.80	ng/ul	0.01

Target Compounds

					Qvalue
4) Benzaldehyde	6.76	77	4508	1.51 ng/ul#	82
6) Phenol	6.82	94	10120	1.59 ng/ul	94
14) Acetophenone	8.44	105	52867	6.62 ng/ul	95
28) Naphthalene	10.45	128	33250	2.33 ng/ul	98
32) Caprolactam	11.42	113	3159	1.45 ng/ul#	63
34) 2-Methylnaphthalene	12.07	142	20671	1.94 ng/ul	98
44) Dimethylphthalate	13.74	163	196174	15.52 ng/ul	100
47) Acenaphthylene	14.00	152	16652	1.09 ng/ul#	80
49) Acenaphthene	14.34	153	17933	1.75 ng/ul	94
53) Dibenzofuran	14.68	168	23028	1.57 ng/ul	95
58) Fluorene	15.33	166	25462	2.07 ng/ul#	91
64) N-Nitrosodiphenylamine	15.54	169	18132	1.85 ng/ul#	54
69) Phenanthrene	17.07	178	243303	13.67 ng/ul	97
71) Anthracene	17.07	178	243303	13.25 ng/ul	98
74) Carbazole	17.44	167	19482	1.23 ng/ul#	43
75) Di-n-butylphthalate	18.00	149	302321	15.83 ng/ul	97
76) Fluoranthene	19.10	202	405377	19.49 ng/ul	97
79) Pyrene	19.47	202	423781	17.60 ng/ul	99
82) Benzo(a)anthracene	21.22	228	189338	7.91 ng/ul#	89
83) Bis(2-ethylhexyl)phthalate	21.14	149	130767	9.74 ng/ul	94
84) Chrysene	21.27	228	248090	11.06 ng/ul#	92
87) Benzo(b)fluoranthene	22.79	252	361255	14.66 ng/ul#	85
88) Benzo(k)fluoranthene	22.79	252	192303	8.12 ng/ul#	86

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QLast Update : Fri Jul 24 01:29:30 2015
Response via : Initial Calibration

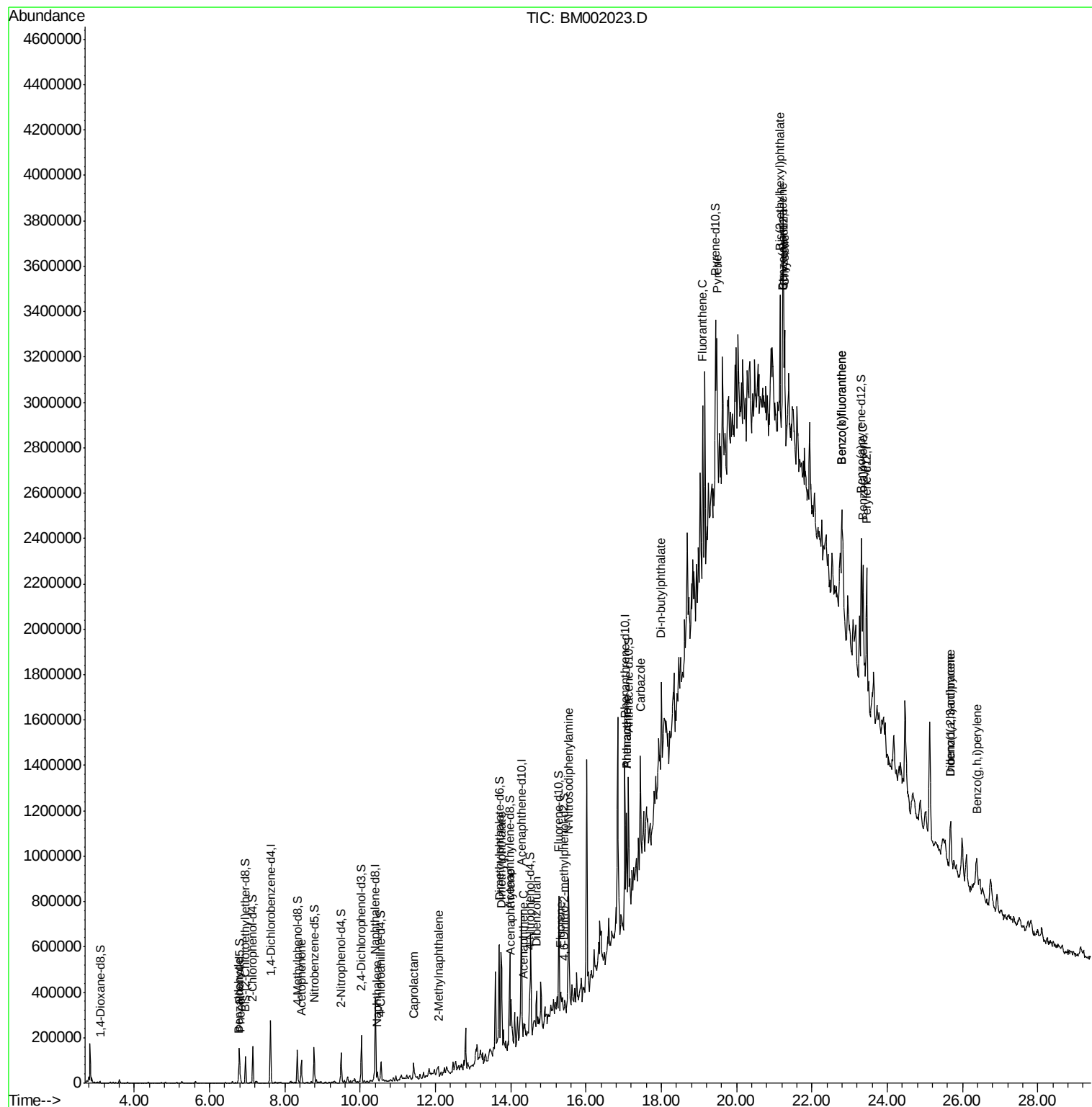
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	23.36	252	215805	9.32	ng/ul#	88
91) Indeno(1,2,3-cd)pyrene	25.68	276	180713	7.44	ng/ul	97
92) Dibenzo(a,h)anthracene	25.68	278	46901	2.28	ng/ul#	59
93) Benzo(g,h,i)perylene	26.37	276	177869	8.91	ng/ul	96

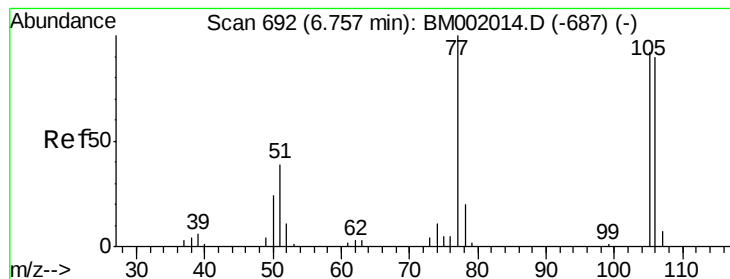
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
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#4

Benzaldehyde

Concen: 1.51 ng/ul

RT: 6.76 min Scan# 693

Delta R.T. 0.01 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

Instrument :

BNA_M

ClientSampleId :

C02J2RE

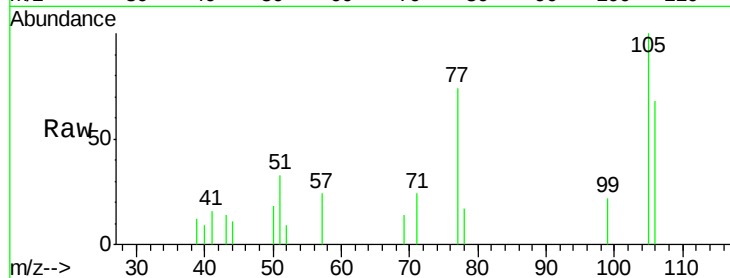
Tgt Ion: 77 Resp: 4508

Ion Ratio Lower Upper

77 100

105 134.4 80.7 121.1#

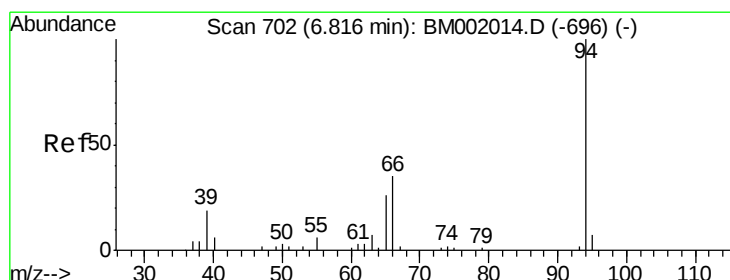
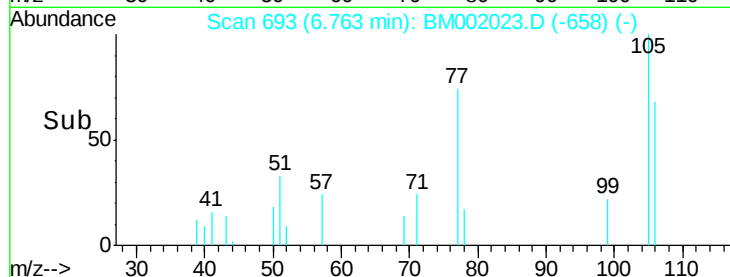
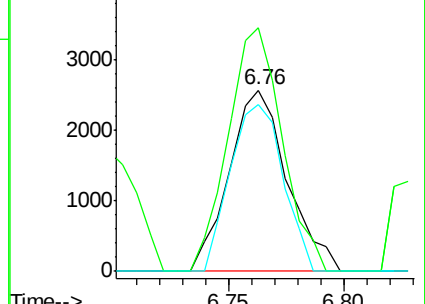
106 92.0 75.6 113.4



Abundance Ion 77.00 (76.70 to 77.70): BM002014.D (-687) (-)

Ion 105.00 (104.70 to 105.70): BM002014.D (-687) (-)

Ion 106.00 (105.70 to 106.70): BM002014.D (-687) (-)



#6

Phenol

Concen: 1.59 ng/ul

RT: 6.82 min Scan# 703

Delta R.T. 0.01 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

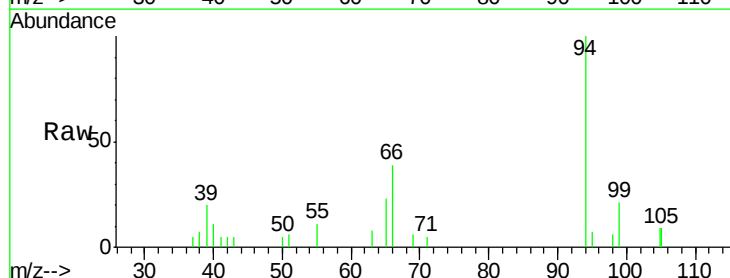
Tgt Ion: 94 Resp: 10120

Ion Ratio Lower Upper

94 100

65 23.4 23.1 34.7

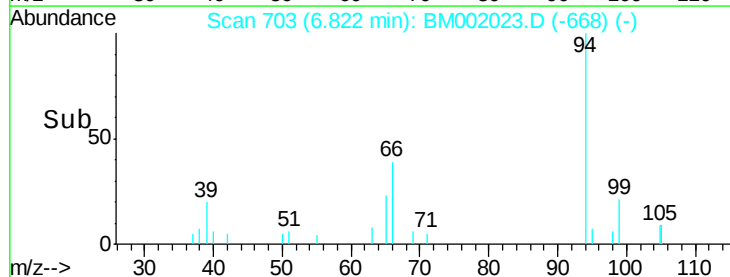
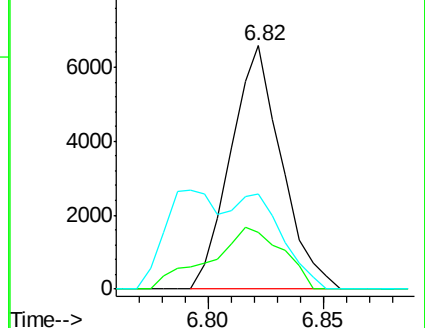
66 39.2 32.5 48.7

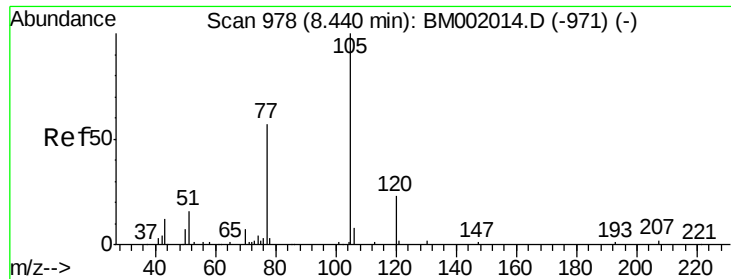


Abundance Ion 94.00 (93.70 to 94.70): BM002014.D (-696) (-)

Ion 65.00 (64.70 to 65.70): BM002014.D (-696) (-)

Ion 66.00 (65.70 to 66.70): BM002014.D (-696) (-)





#14

Acetophenone

Concen: 6.62 ng/ul

RT: 8.44 min Scan# 978

Delta R.T. -0.00 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

Instrument :

BNA_M

ClientSampleId :

C02J2RE

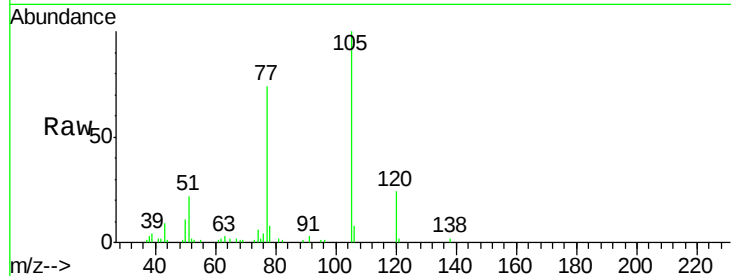
Tgt Ion:105 Resp: 52867

Ion Ratio Lower Upper

105 100

77 74.1 62.2 93.4

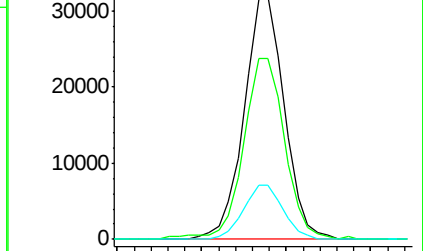
51 22.5 21.4 32.0



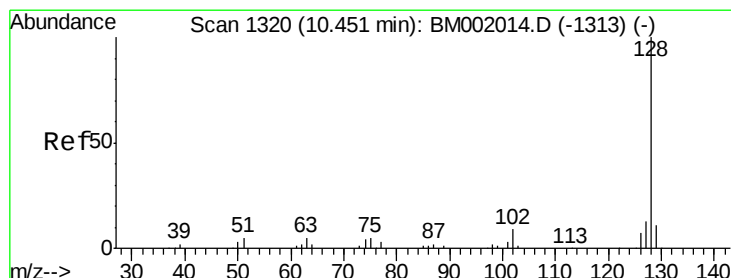
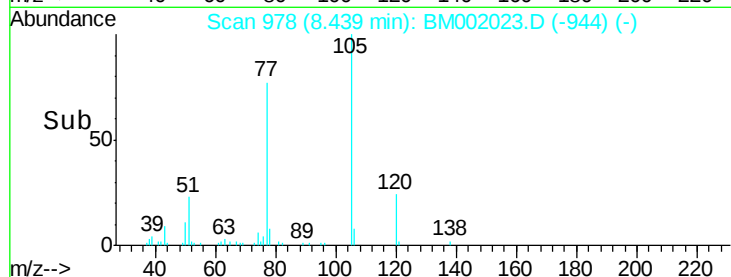
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



Time--> 8.35 8.40 8.45 8.50



#28

Naphthalene

Concen: 2.33 ng/ul

RT: 10.45 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

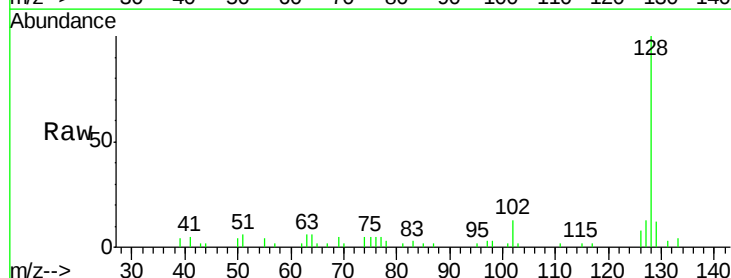
Tgt Ion:128 Resp: 33250

Ion Ratio Lower Upper

128 100

129 12.1 8.6 13.0

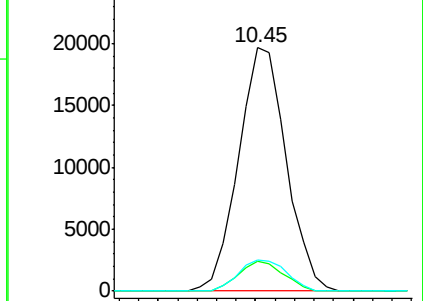
127 12.8 10.4 15.6



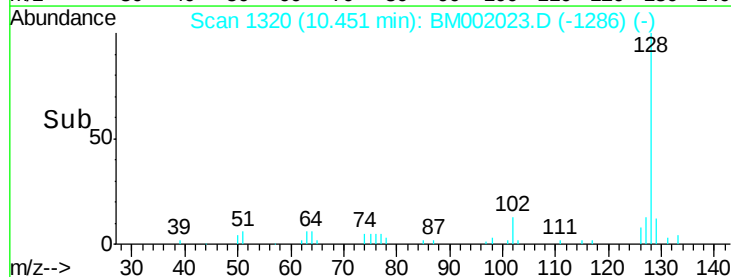
Abundance Ion 128.00 (127.70 to 128.70): E

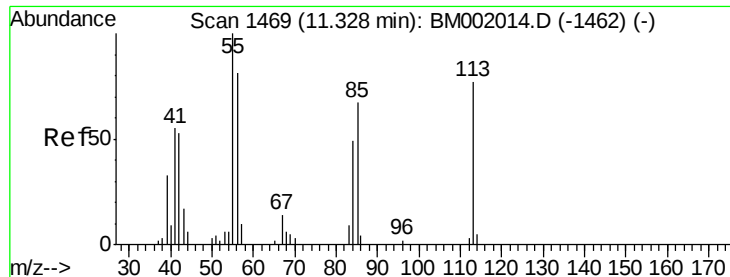
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time--> 10.40 10.45 10.50





#32

Caprolactam

Concen: 1.45 ng/ul

RT: 11.42 min Scan# 1485

Delta R.T. 0.09 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

Instrument :

BNA_M

ClientSampled :

C02J2RE

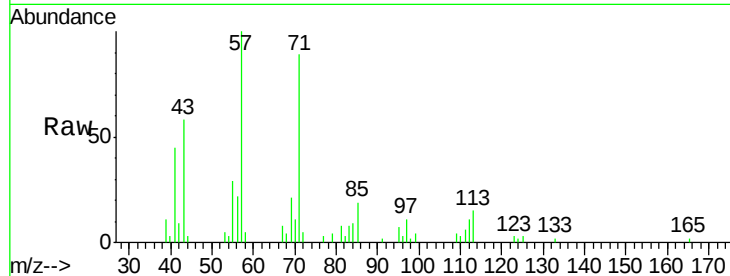
Tgt Ion:113 Resp: 3159

Ion Ratio Lower Upper

113 100

55 193.0 115.6 173.4#

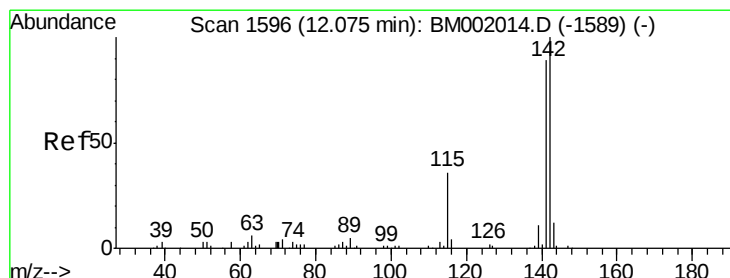
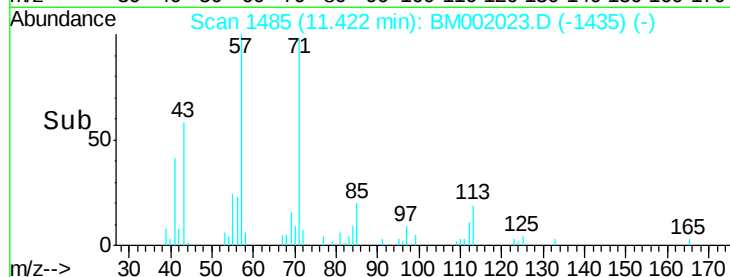
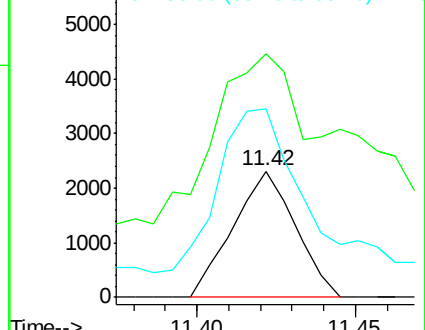
56 149.1 90.3 135.5#



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: 1.94 ng/ul

RT: 12.07 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BM002023.D

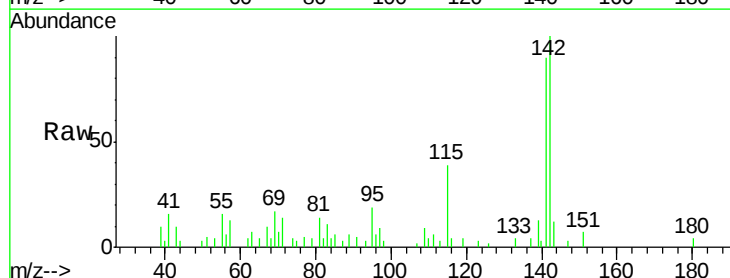
Acq: 23 Jul 2015 19:12

Tgt Ion:142 Resp: 20671

Ion Ratio Lower Upper

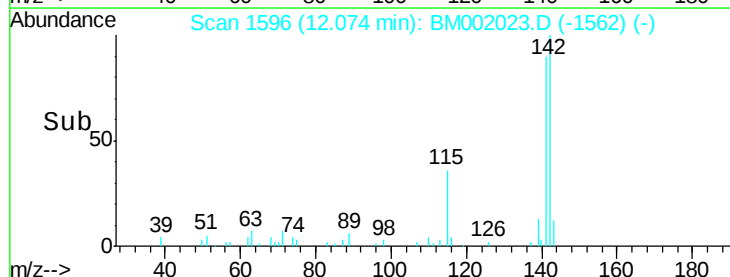
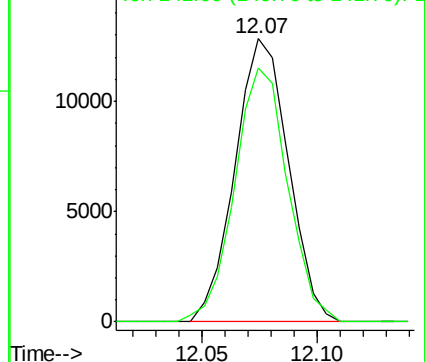
142 100

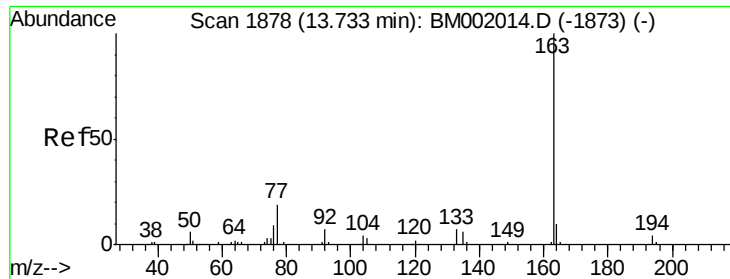
141 89.7 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

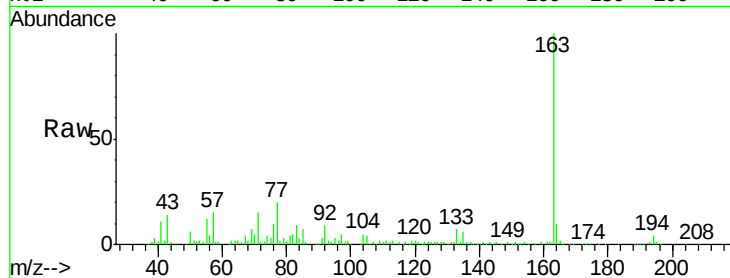




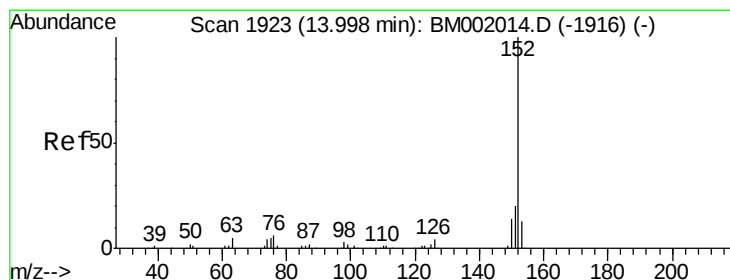
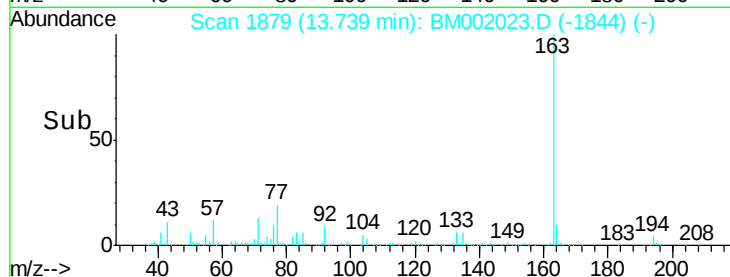
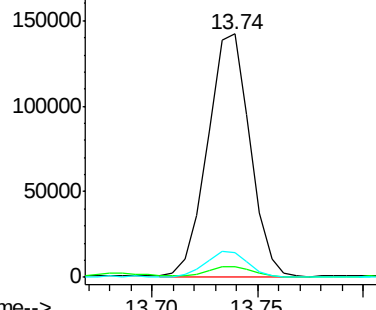
#44
Dimethylphthalate
Concen: 15.52 ng/ul
RT: 13.74 min Scan# 1879
Delta R.T. 0.01 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Instrument :
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Tgt Ion:163 Resp: 196174
Ion Ratio Lower Upper
163 100
194 4.5 3.5 5.3
164 10.4 8.2 12.4

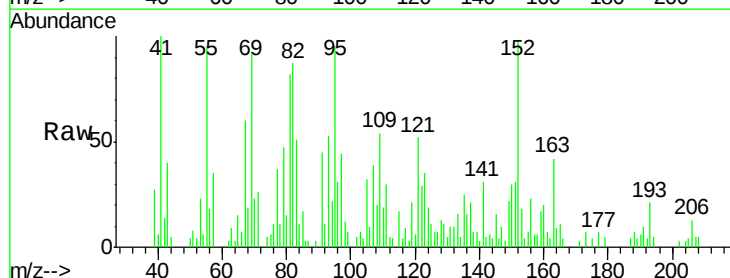


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

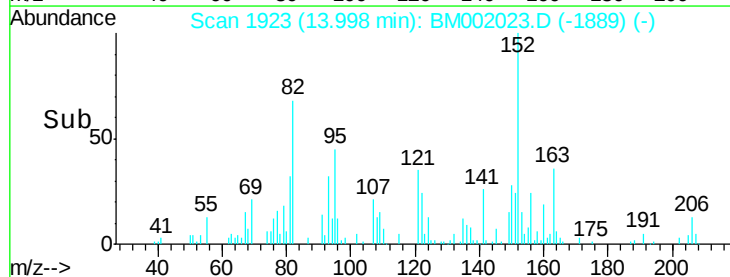
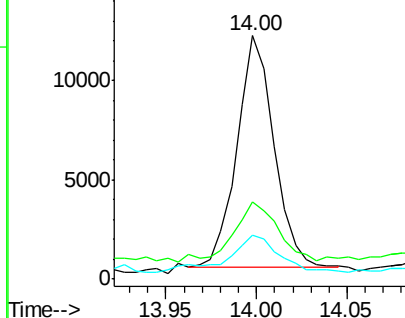


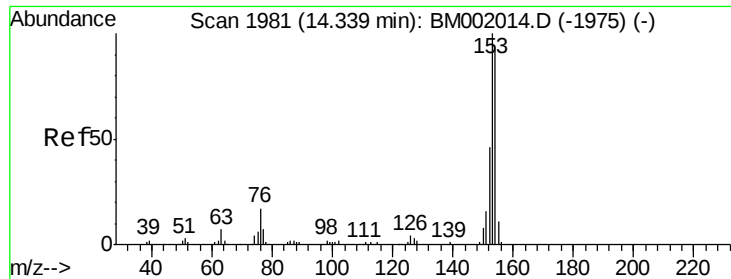
#47
Acenaphthylene
Concen: 1.09 ng/ul
RT: 14.00 min Scan# 1923
Delta R.T. -0.00 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Tgt Ion:152 Resp: 16652
Ion Ratio Lower Upper
152 100
151 31.6 15.8 23.6#
153 17.9 10.7 16.1#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 1.75 ng/ul

RT: 14.34 min Scan# 1981

Delta R.T. -0.00 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

Instrument :

BNA_M

ClientSampleId :

C02J2RE

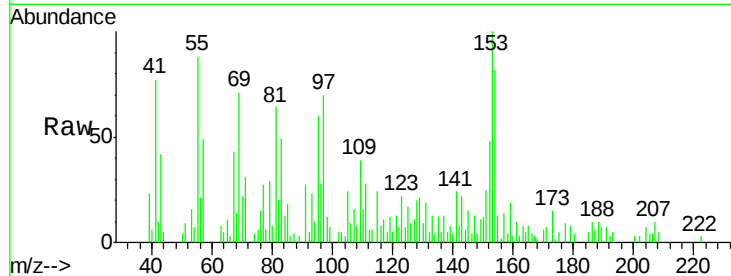
Tgt Ion:153 Resp: 17933

Ion Ratio Lower Upper

153 100

152 47.8 37.2 55.8

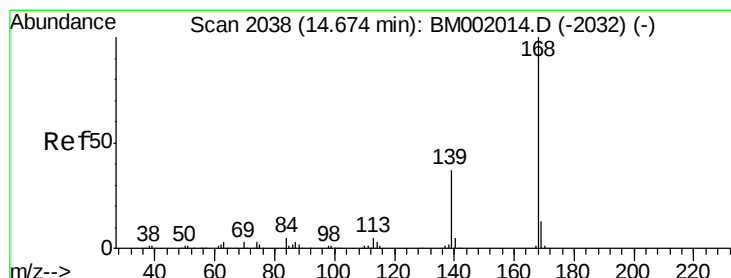
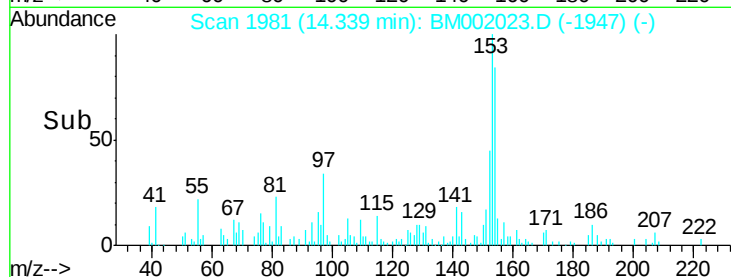
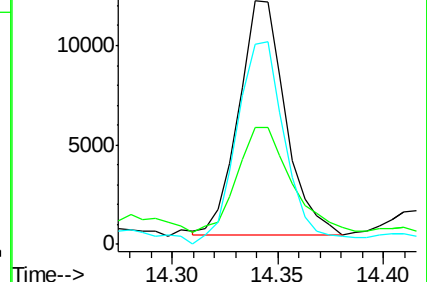
154 82.2 72.2 108.2



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: 1.57 ng/ul

RT: 14.68 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BM002023.D

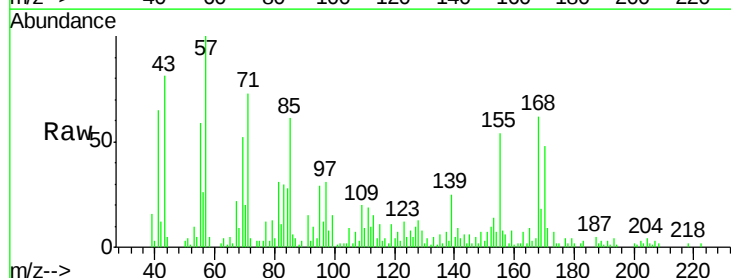
Acq: 23 Jul 2015 19:12

Tgt Ion:168 Resp: 23028

Ion Ratio Lower Upper

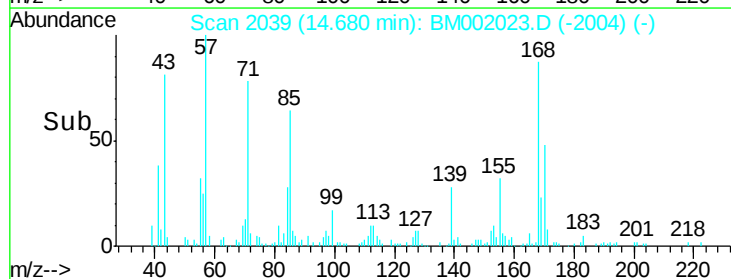
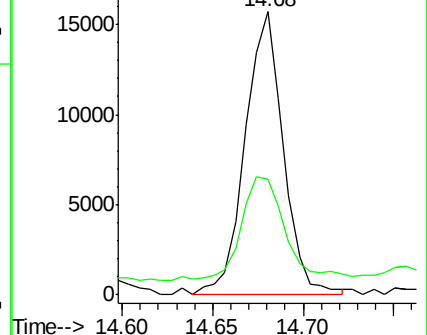
168 100

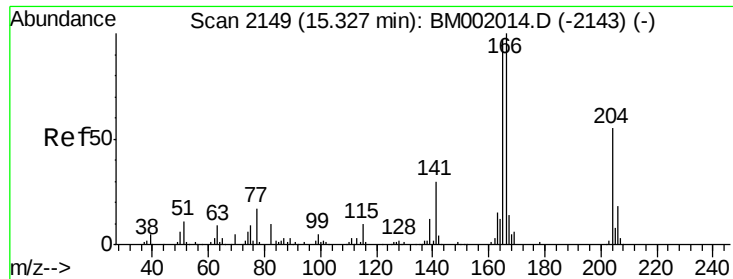
139 40.8 30.2 45.4



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: 15.33 min Scan# 2149

Delta R.T. -0.00 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

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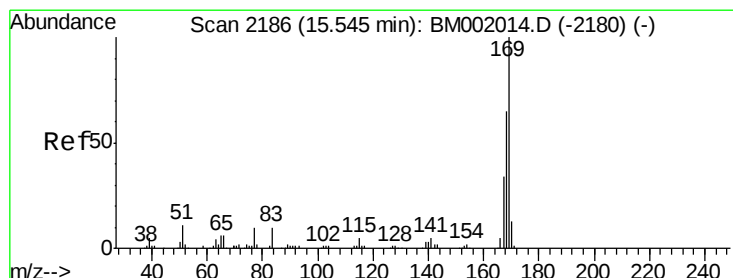
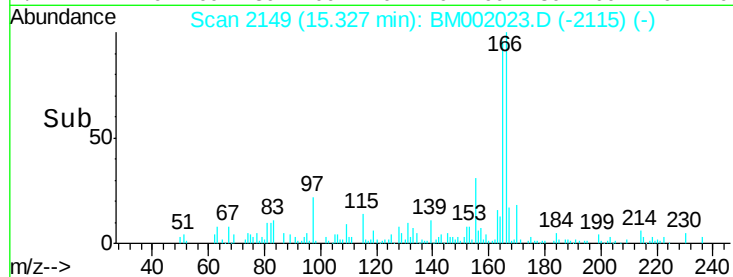
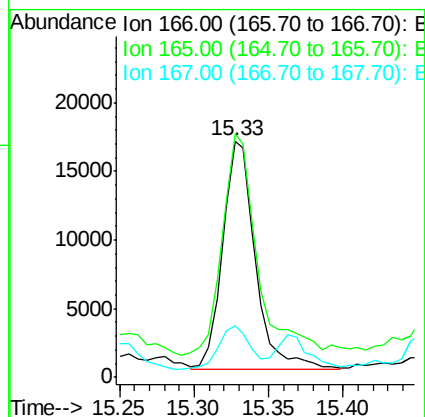
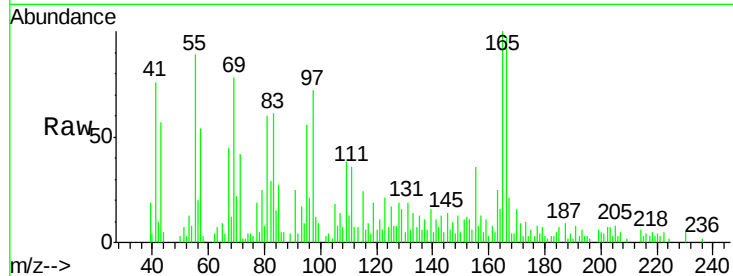
Tgt Ion:166 Resp: 25462

Ion Ratio Lower Upper

166 100

165 103.2 76.7 115.1

167 21.8 10.6 15.8#



#64

N-Nitrosodiphenylamine

Concen: 1.85 ng/ul

RT: 15.54 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

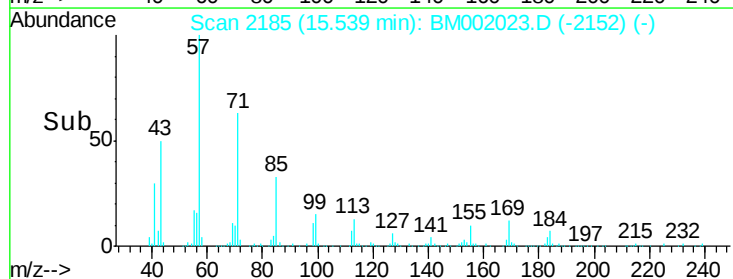
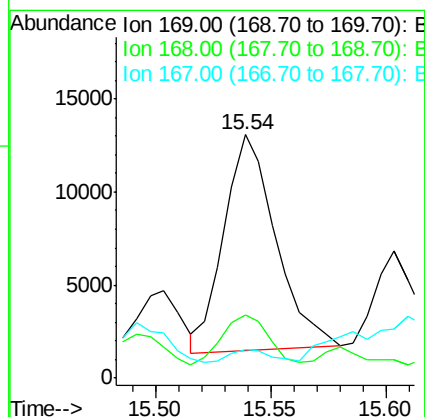
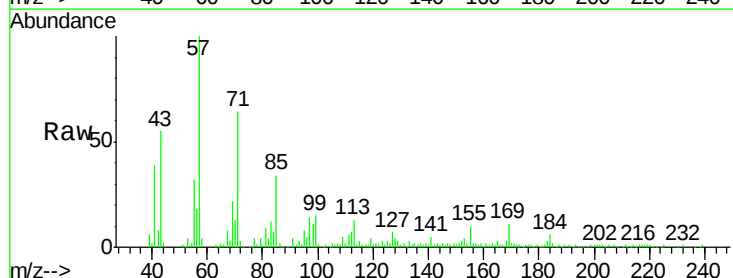
Tgt Ion:169 Resp: 18132

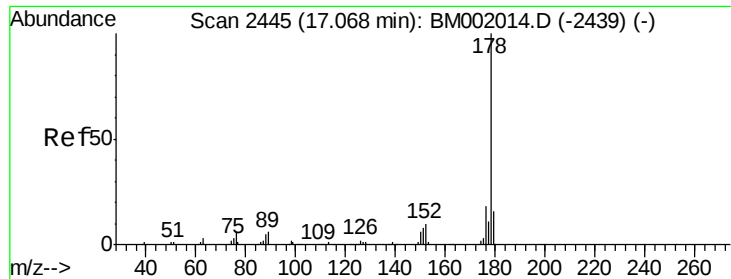
Ion Ratio Lower Upper

169 100

168 25.9 51.8 77.6#

167 11.7 28.4 42.6#





#69

Phenanthrene

Concen: 13.67 ng/ul

RT: 17.07 min Scan# 2446

Delta R.T. 0.01 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

Instrument :

BNA_M

ClientSampleId :

C02J2RE

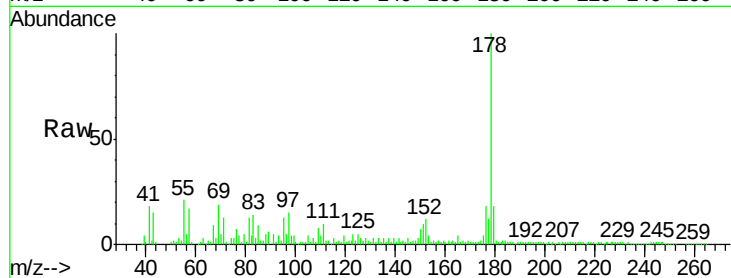
Tgt Ion:178 Resp: 243303

Ion Ratio Lower Upper

178 100

179 17.6 12.1 18.1

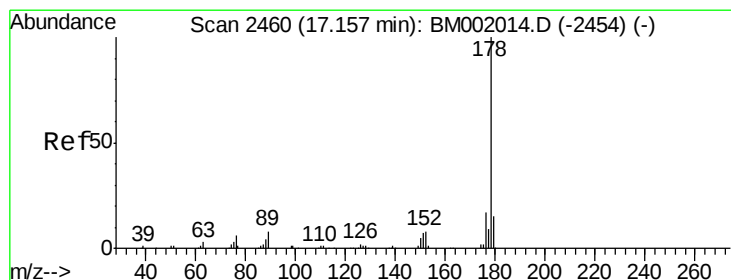
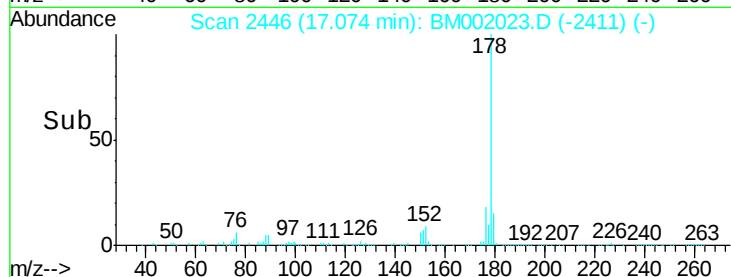
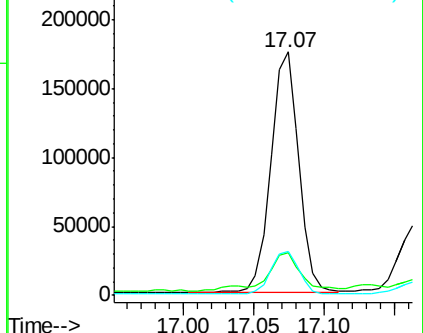
176 18.0 14.6 21.8



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



#71

Anthracene

Concen: 13.25 ng/ul

RT: 17.07 min Scan# 2446

Delta R.T. -0.08 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

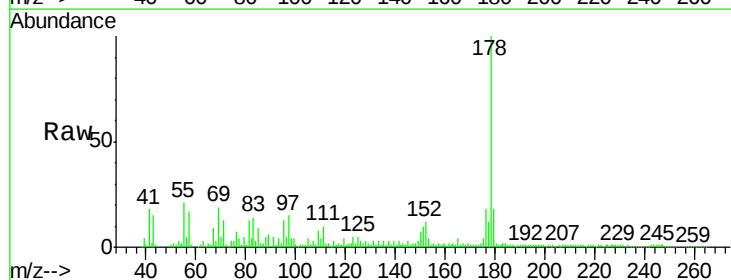
Tgt Ion:178 Resp: 243303

Ion Ratio Lower Upper

178 100

179 17.6 12.4 18.6

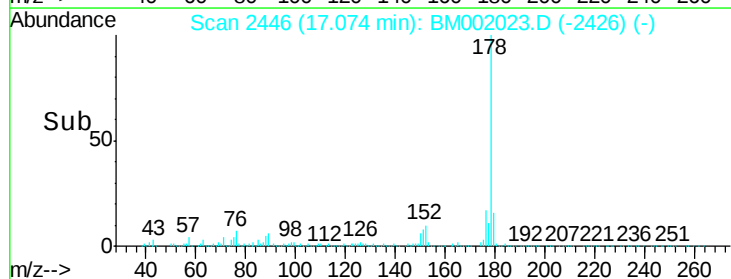
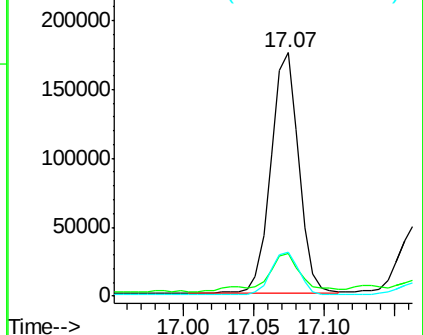
176 18.0 14.3 21.5

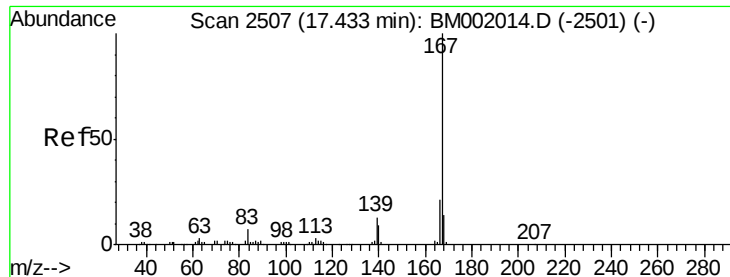


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 1.23 ng/ul

RT: 17.44 min Scan# 2508

Delta R.T. 0.01 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

Instrument :

BNA_M

ClientSampleId :

C02J2RE

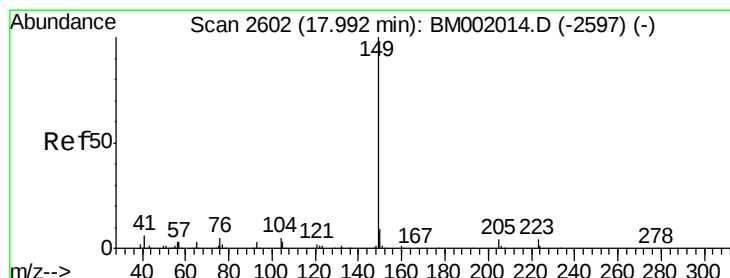
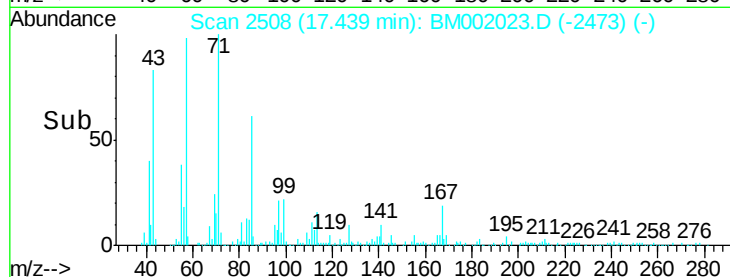
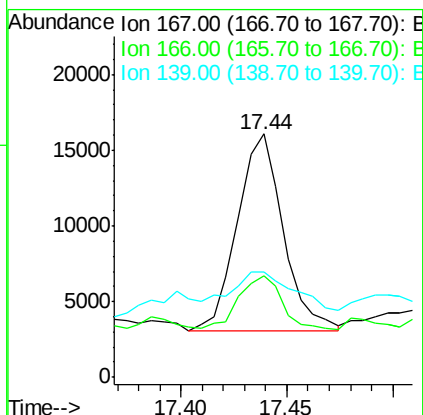
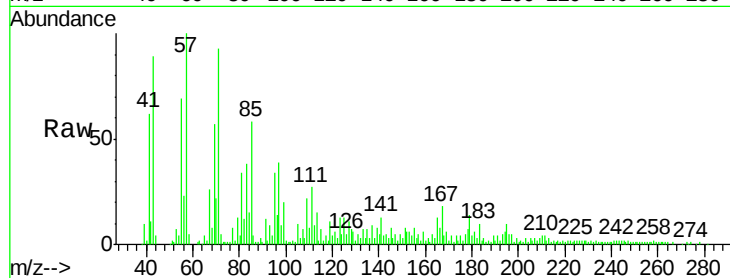
Tgt Ion:167 Resp: 19482

Ion Ratio Lower Upper

167 100

166 41.8 16.8 25.2#

139 43.5 10.2 15.2#



#75

Di-n-butylphthalate

Concen: 15.83 ng/ul

RT: 18.00 min Scan# 2603

Delta R.T. 0.01 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

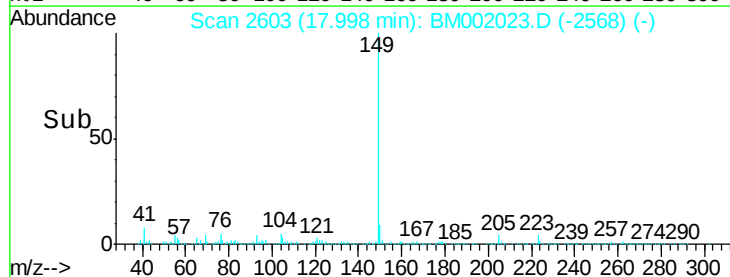
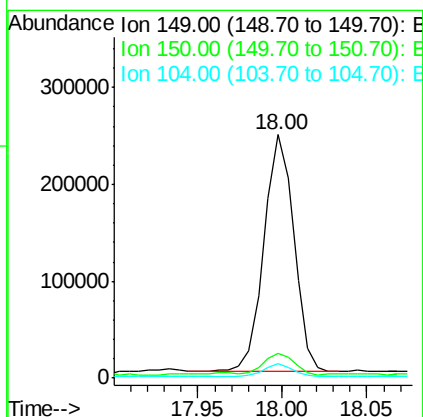
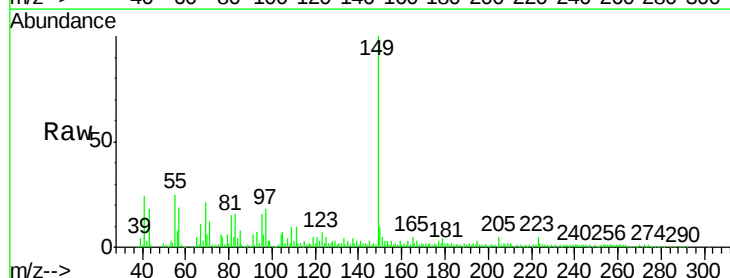
Tgt Ion:149 Resp: 302321

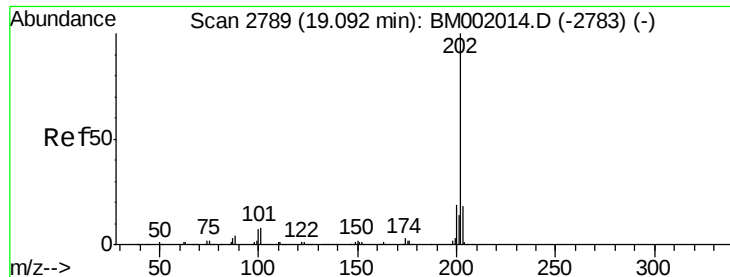
Ion Ratio Lower Upper

149 100

150 10.3 7.3 10.9

104 5.7 4.3 6.5

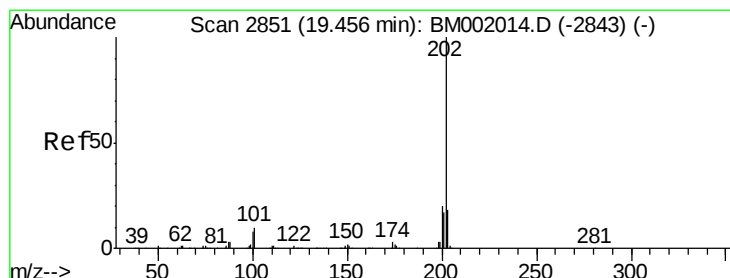
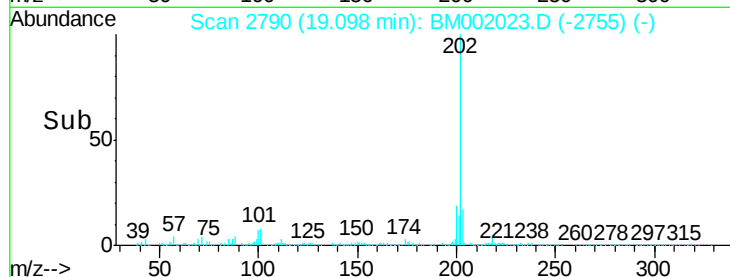
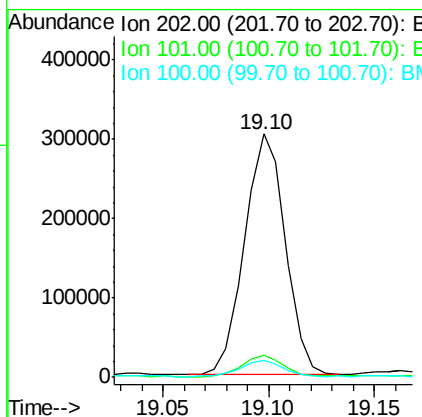
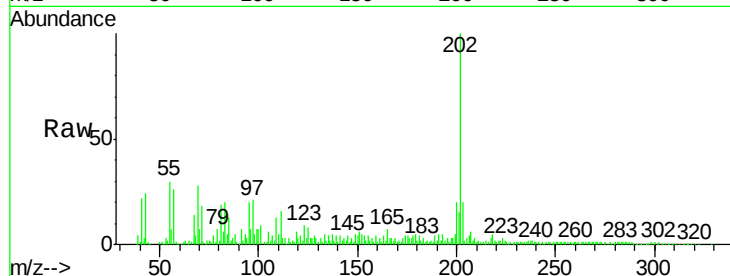




#76
Fluoranthene
Concen: 19.49 ng/ul
RT: 19.10 min Scan# 2790
Delta R.T. 0.01 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

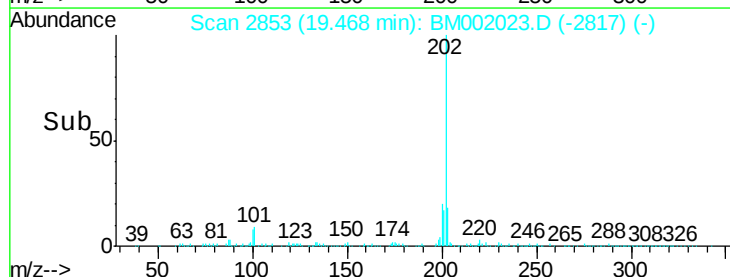
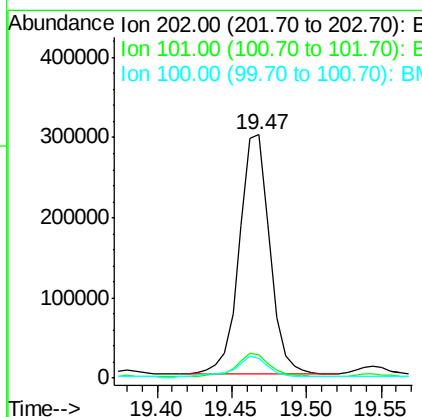
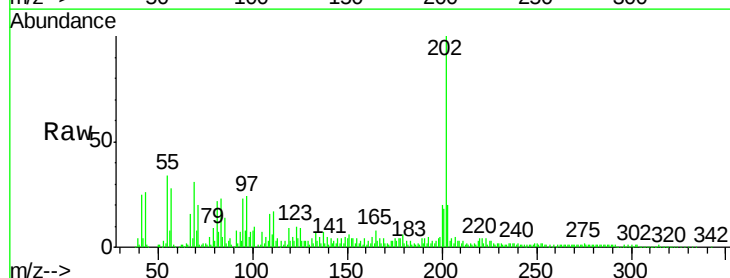
Instrument :
BNA_M
ClientSampleId :
C02J2RE

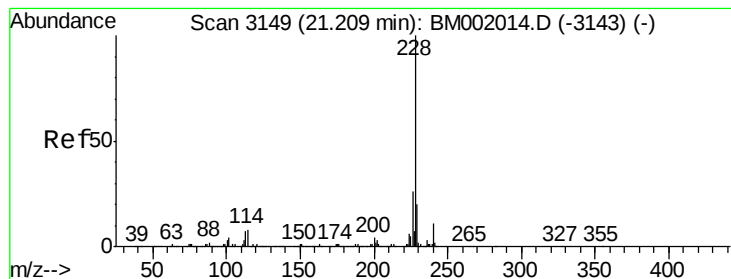
Tgt Ion:	202	Resp:	405377
Ion	Ratio	Lower	Upper
202	100		
101	9.0	6.3	9.5
100	7.2	5.0	7.4



#79
Pyrene
Concen: 17.60 ng/ul
RT: 19.47 min Scan# 2853
Delta R.T. 0.01 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Tgt Ion:	202	Resp:	423781
Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.3	10.9
100	8.1	6.2	9.4





#82

Benzo(a)anthracene

Concen: 7.91 ng/ul

RT: 21.22 min Scan# 3151

Delta R.T. 0.01 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

Instrument :

BNA_M

ClientSampleId :

C02J2RE

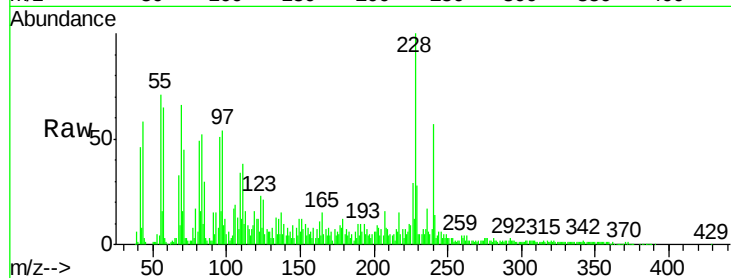
Tgt Ion:228 Resp: 189338

Ion Ratio Lower Upper

228 100

229 27.6 15.4 23.2#

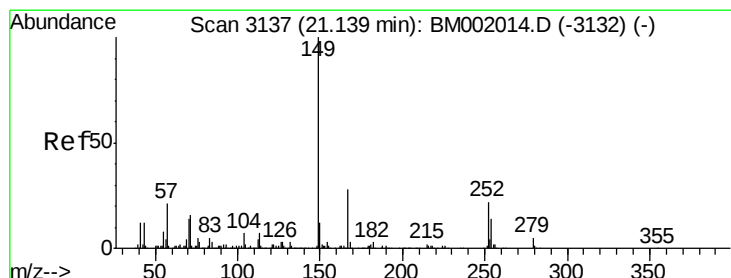
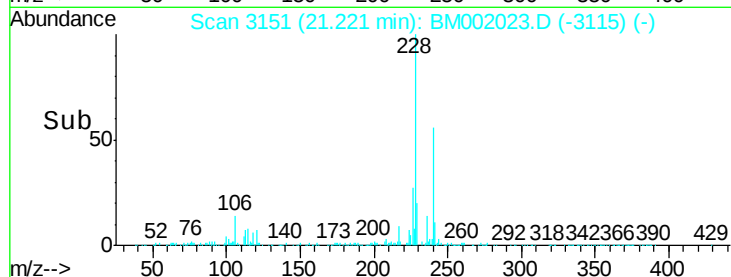
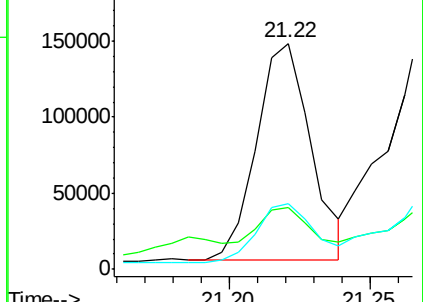
226 28.8 20.7 31.1



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 9.74 ng/ul

RT: 21.14 min Scan# 3138

Delta R.T. 0.01 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

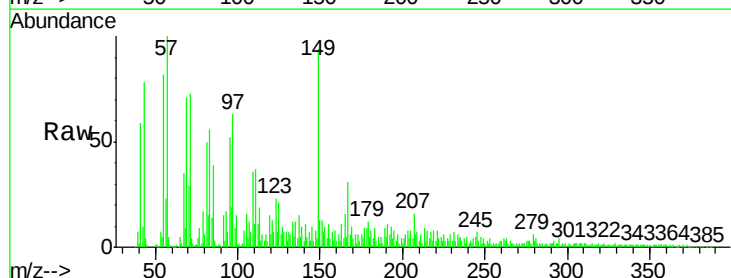
Tgt Ion:149 Resp: 130767

Ion Ratio Lower Upper

149 100

167 32.6 23.2 34.8

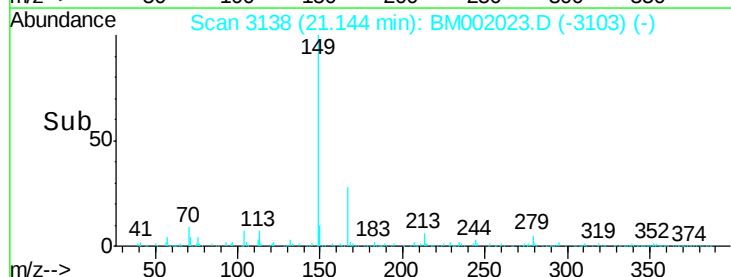
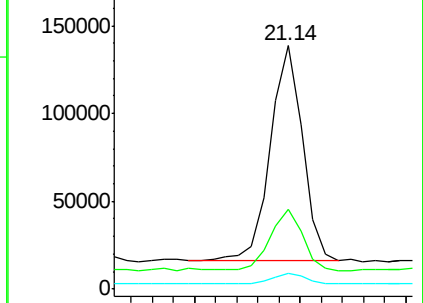
279 6.7 4.5 6.7

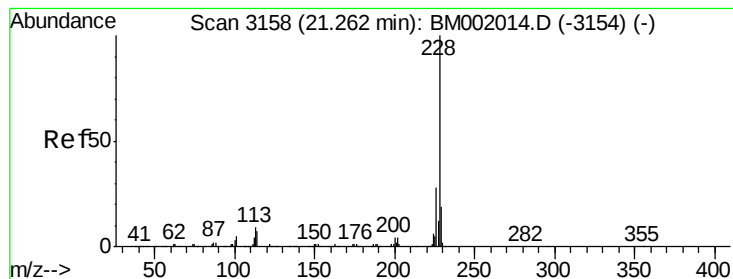


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 11.06 ng/ul

RT: 21.27 min Scan# 3159

Delta R.T. 0.01 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

Instrument :

BNA_M

ClientSampleId :

C02J2RE

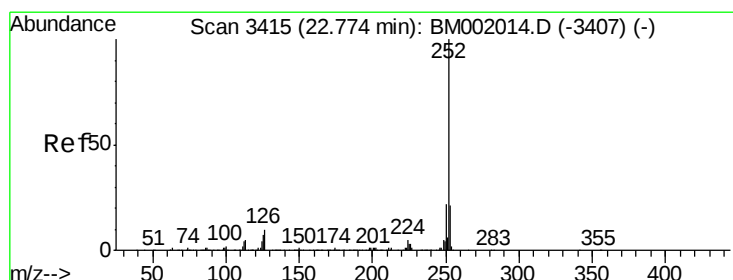
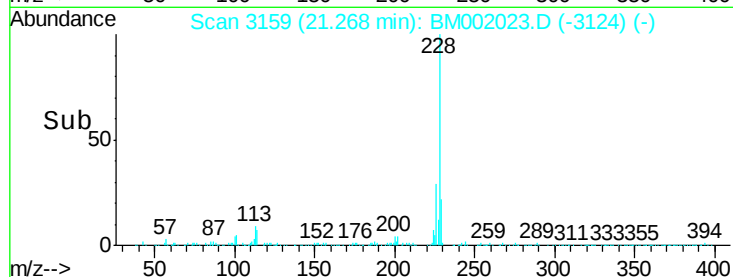
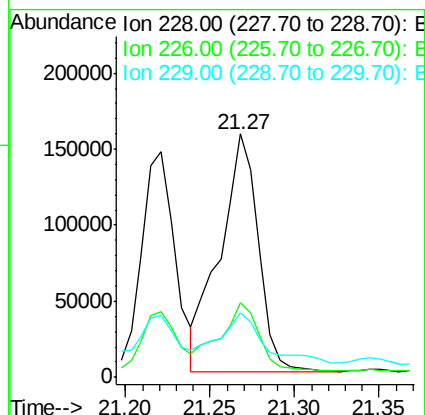
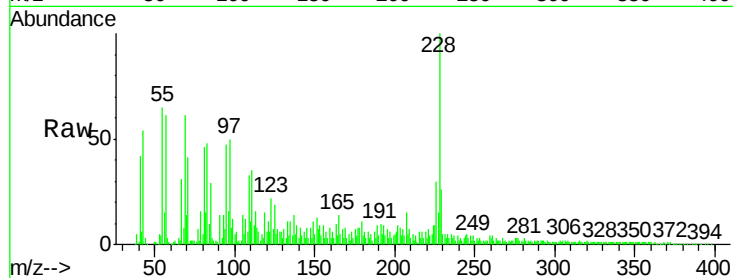
Tgt Ion:228 Resp: 248090

Ion Ratio Lower Upper

228 100

226 30.5 23.0 34.4

229 26.4 15.6 23.4#



#87

Benzo(b)fluoranthene

Concen: 14.66 ng/ul

RT: 22.79 min Scan# 3417

Delta R.T. 0.01 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

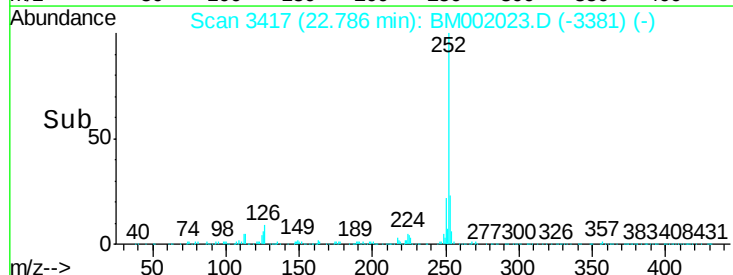
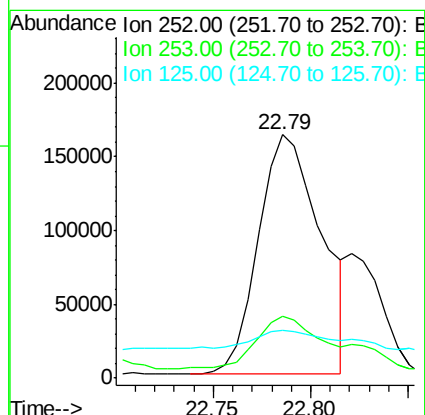
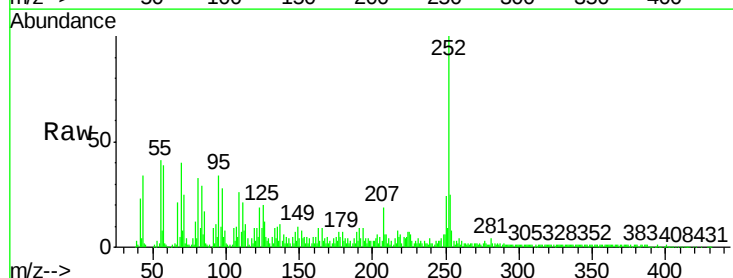
Tgt Ion:252 Resp: 361255

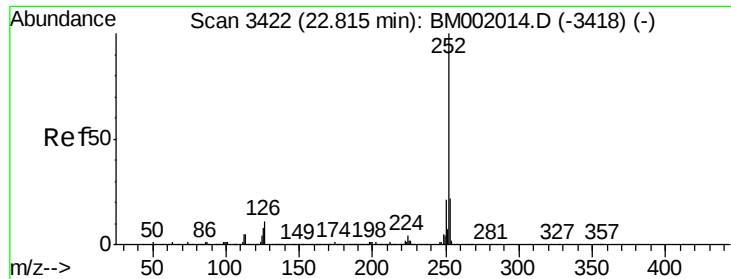
Ion Ratio Lower Upper

252 100

253 25.3 17.2 25.8

125 19.6 5.3 7.9#

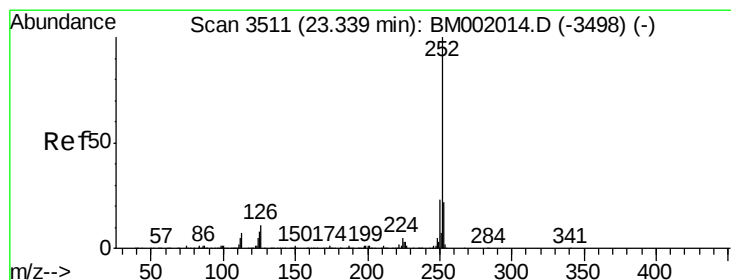
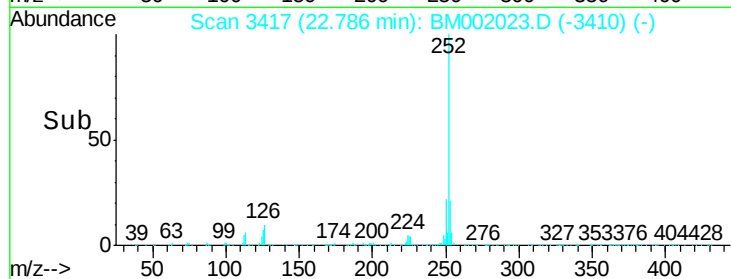
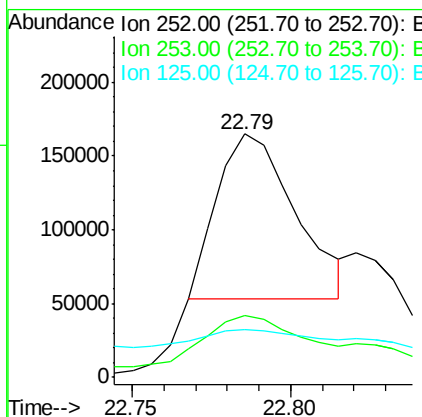
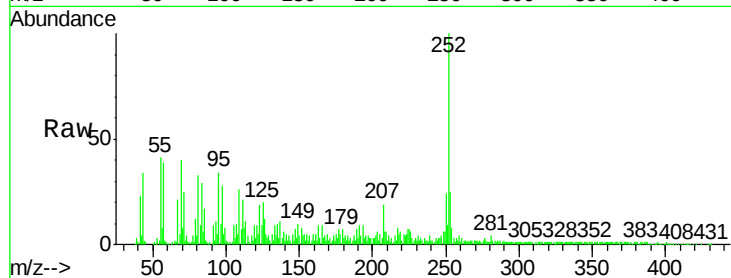




#88
Benzo(k)fluoranthene
Concen: 8.12 ng/ul
RT: 22.79 min Scan# 3417
Delta R.T. -0.03 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

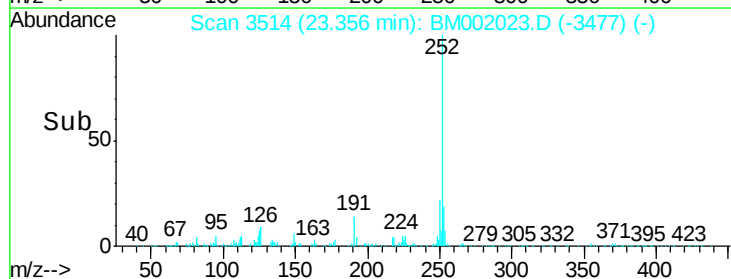
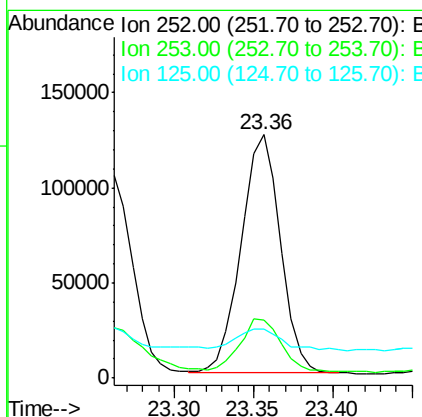
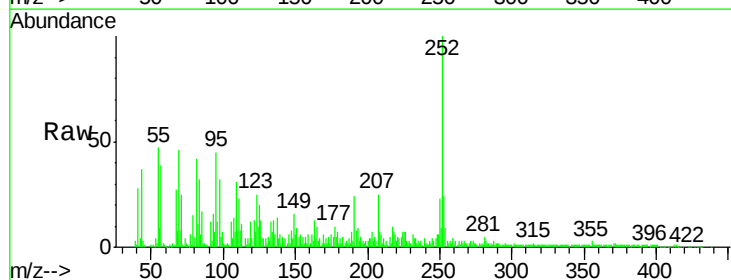
Instrument :
BNA_M
ClientSampleId :
C02J2RE

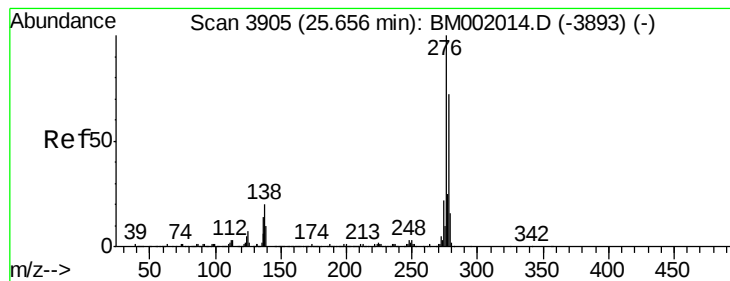
Tgt Ion: 252 Resp: 192303
Ion Ratio Lower Upper
252 100
253 25.3 17.4 26.2
125 19.6 5.1 7.7#



#90
Benzo(a)pyrene
Concen: 9.32 ng/ul
RT: 23.36 min Scan# 3514
Delta R.T. 0.02 min
Lab File: BM002023.D
Acq: 23 Jul 2015 19:12

Tgt Ion: 252 Resp: 215805
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 20.2 6.0 9.0#

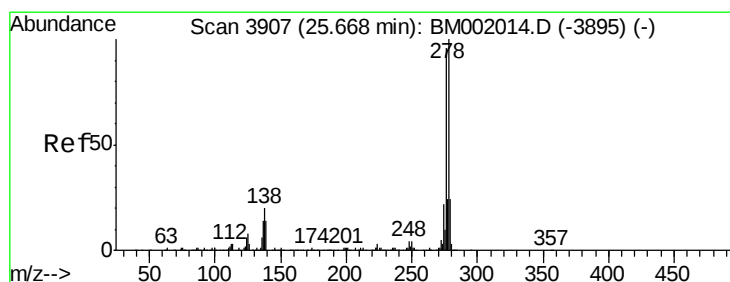
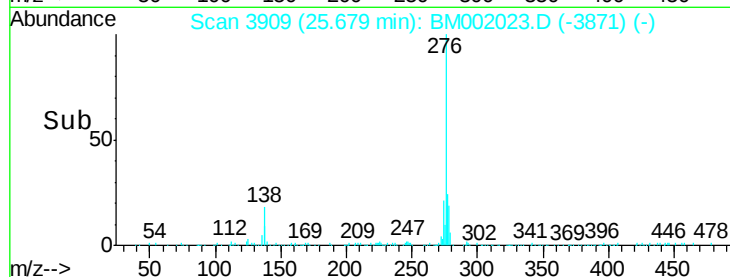
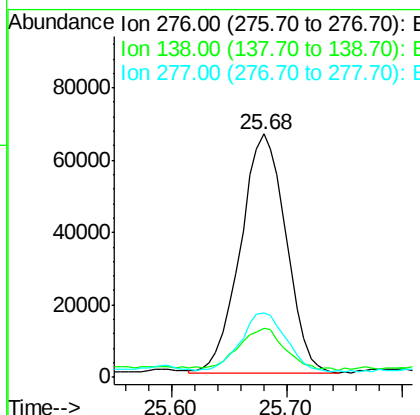
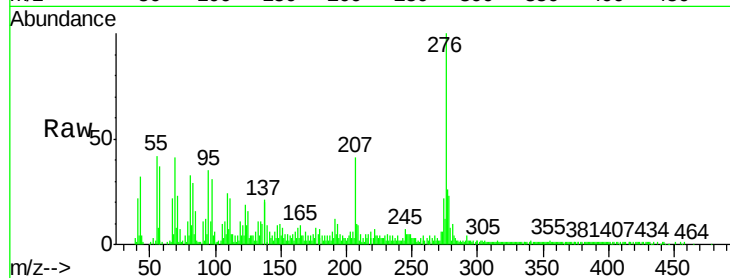




#91
 Indeno(1,2,3-cd)pyrene
 Concen: 7.44 ng/ul
 RT: 25.68 min Scan# 3909
 Delta R.T. 0.02 min
 Lab File: BM002023.D
 Acq: 23 Jul 2015 19:12

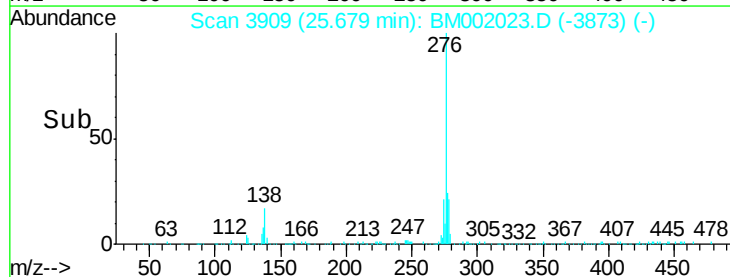
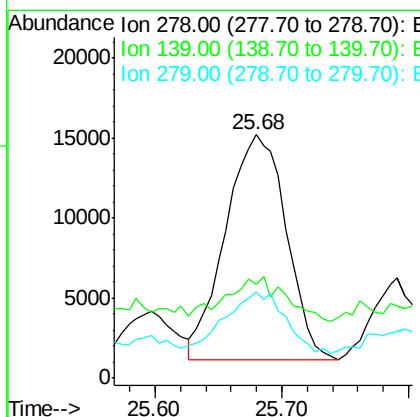
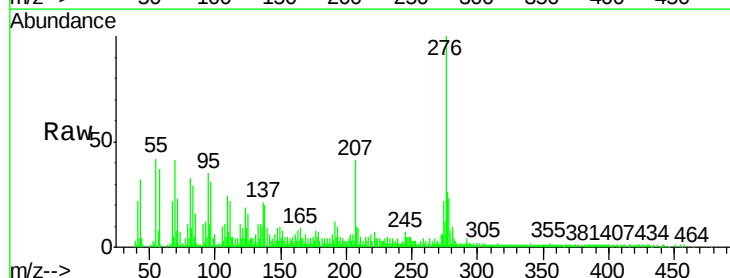
Instrument :
 BNA_M
 ClientSampleId :
 C02J2RE

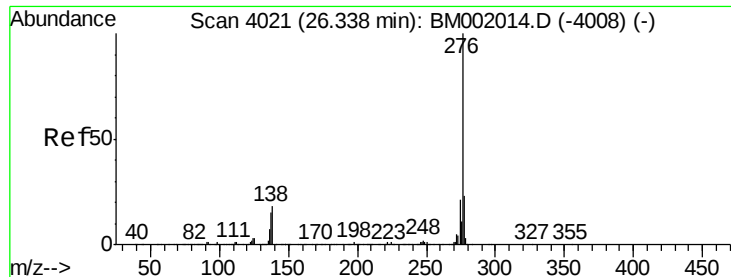
Tgt Ion: 276 Resp: 180713
 Ion Ratio Lower Upper
 276 100
 138 20.4 15.2 22.8
 277 26.4 20.1 30.1



#92
 Dibenzo(a,h)anthracene
 Concen: 2.28 ng/ul
 RT: 25.68 min Scan# 3909
 Delta R.T. 0.01 min
 Lab File: BM002023.D
 Acq: 23 Jul 2015 19:12

Tgt Ion: 278 Resp: 46901
 Ion Ratio Lower Upper
 278 100
 139 38.7 9.5 14.3#
 279 35.6 18.2 27.4#





#93

Benzo(g,h,i)perylene

Concen: 8.91 ng/ul

RT: 26.37 min Scan# 4026

Delta R.T. 0.03 min

Lab File: BM002023.D

Acq: 23 Jul 2015 19:12

Instrument :

BNA_M

ClientSampleId :

C02J2RE

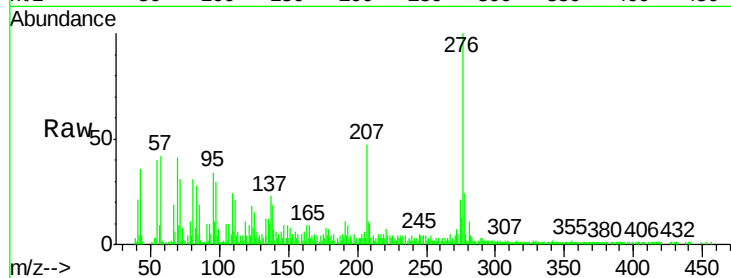
Tgt Ion: 276 Resp: 177869

Ion Ratio Lower Upper

276 100

138 19.1 12.7 19.1

277 24.4 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

