

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
 Data File : BM003669.D
 Acq On : 21 Dec 2015 00:02
 Operator : UM/SJ
 Sample : G4867-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G9DB2

Quant Time: Dec 21 04:00:23 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 03:56:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	22527	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	91744	20.00	ng/ul	0.04
36) Acenaphthene-d10	14.35	164	67000	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.10	188	157374	20.00	ng/ul	0.00
78) Chrysene-d12	21.30	240	215883	20.00	ng/ul	0.00
86) Perylene-d12	23.54	264	219643	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	431	1.03	ng/uL	0.00
5) Phenol-d5	6.87	99	14551	7.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	32866	32.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	42084	27.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	29032	17.66	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	33732	50.69	ng/ul	0.00
22) 2-Nitrophenol-d4	9.58	143	31205	41.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.13	165	50588	37.01	ng/ul	0.02
29) 4-Chloroaniline-d4	10.66	131	3081	1.69	ng/ul	0.03
44) Dimethylphthalate-d6	13.76	166	186075	33.60	ng/ul	0.00
47) Acenaphthylene-d8	14.04	160	216578	34.35	ng/ul	0.00
52) 4-Nitrophenol-d4	14.57	143	9757	9.05	ng/ul	0.00
58) Fluorene-d10	15.34	176	156745	34.21	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.47	200	29474	33.23	ng/ul	0.00
71) Anthracene-d10	17.20	188	260644	36.40	ng/ul	0.00
79) Pyrene-d10	19.50	212	315998	33.51	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.40	264	388136	35.57	ng/ul	0.00

Target Compounds

					Ovalue
4) Benzaldehyde	6.85	77	44417	40.56	ng/ul# 1
6) Phenol	6.90	94	7872	3.94	ng/ul 95
14) Acetophenone	8.50	105	7551	2.94	ng/ul# 39
17) Hexachloroethane	8.76	117	4049	6.61	ng/ul# 7
20) Nitrobenzene	8.96	77	4226	2.75	ng/ul# 8
25) Bis(2-Chloroethoxy)methane	9.90	93	2022	1.09	ng/ul# 72
28) Naphthalene	10.63	128	16380710	3465.52	ng/ul 97
32) Caprolactam	11.34	113	566	1.07	ng/ul# 50
34) 2-Methylnaphthalene	12.17	142	1990557	563.90	ng/ul 100
35) 1-Methylnaphthalene	12.40	142	1774176	529.12	ng/ul 99
41) 1,1'-Biphenyl	13.18	154	321915	59.16	ng/ul 99
43) 2-Nitroaniline	13.48	65	4085	3.61	ng/ul# 16
48) Acenaphthylene	14.07	152	53728	7.79	ng/ul# 78
49) 3-Nitroaniline	14.43	138	1296	1.05	ng/ul# 3
50) Acenaphthene	14.42	153	970392	210.78	ng/ul 99
54) Dibenzofuran	14.75	168	51541	7.84	ng/ul 96
59) Fluorene	15.40	166	378494	71.76	ng/ul 100
61) 4-Nitroaniline	15.40	138	4974	3.64	ng/ul# 33
70) Phenanthrene	17.14	178	681016	78.23	ng/ul 100
72) Anthracene	17.23	178	121892	13.73	ng/ul 99
75) Carbazole	17.50	167	213837	26.39	ng/ul 100
77) Fluoranthene	19.16	202	69641	6.96	ng/ul 99
80) Pyrene	19.53	202	94754	7.63	ng/ul 99

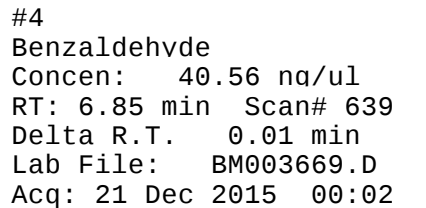
Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
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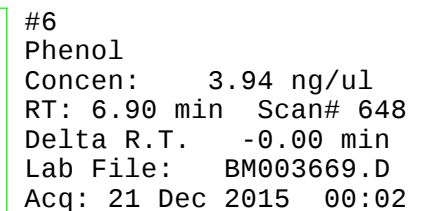
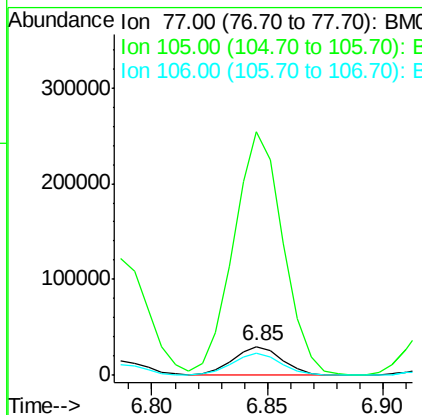
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

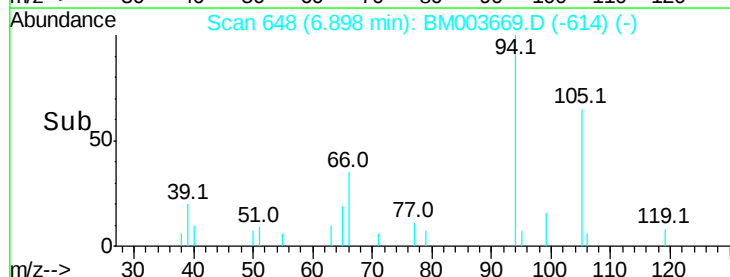
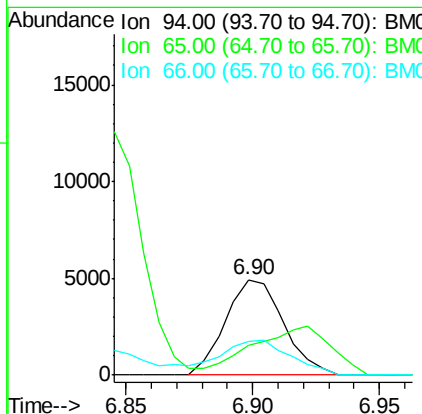


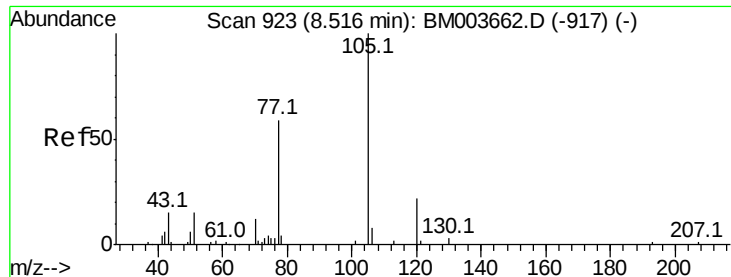
Instrument :
BNA_M
ClientSampleId :
G9DB2

Tot	Ion: 77	Resp:	44417
Ion	Ratio	Lower	Upper
77	100		
105	851.7	80.6	120.8#
106	77.9	77.7	116.5



Tgt	Ion: 94	Resp:	7872
Ion	Ratio	Lower	Upper
94	100		
65	31.0	21.0	31.6
66	35.1	29.3	43.9





#14

Acetophenone

Concen: 2.94 ng/ul

RT: 8.50 min Scan# 920

Delta R.T. -0.02 min

Lab File: BM003669.D

Acq: 21 Dec 2015 00:02

Instrument :

BNA_M

ClientSampleId :

G9DB2

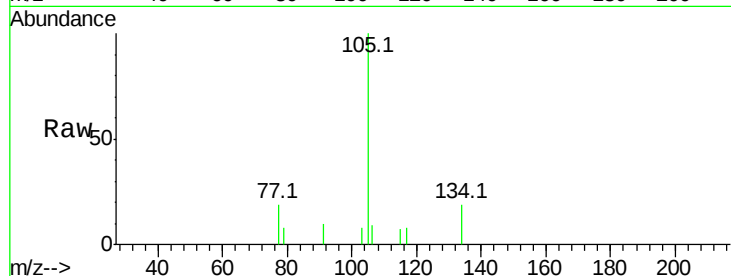
Tot Ion:105 Resp: 7551

Ion Ratio Lower Upper

105 100

77 18.6 59.0 88.4#

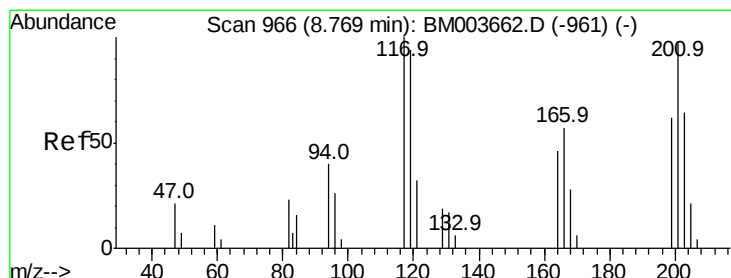
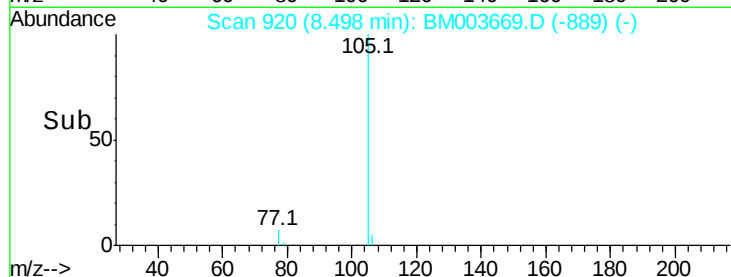
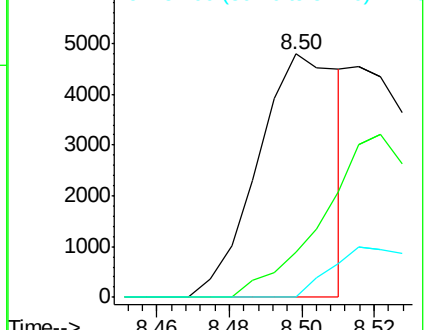
51 0.0 16.4 24.6#



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



#17

Hexachloroethane

Concen: 6.61 ng/ul

RT: 8.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BM003669.D

Acq: 21 Dec 2015 00:02

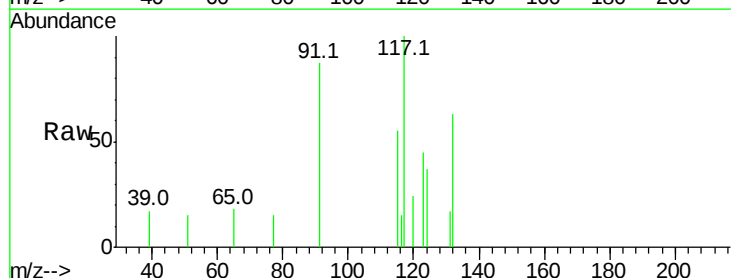
Tgt Ion:117 Resp: 4049

Ion Ratio Lower Upper

117 100

201 0.0 81.5 122.3#

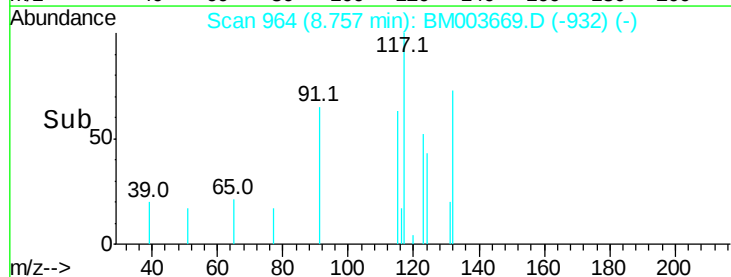
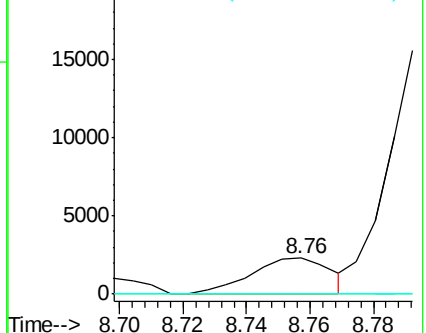
199 0.0 50.6 76.0#

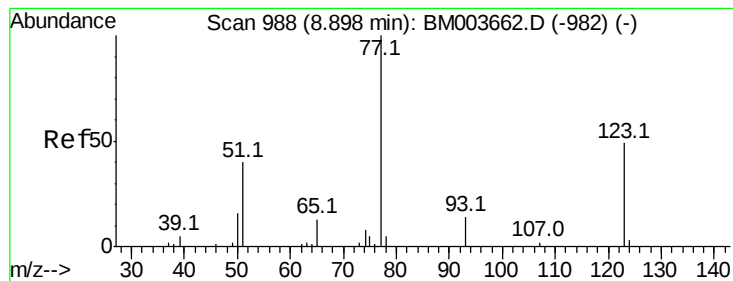


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#20

Nitrobenzene

Concen: 2.75 ng/ul

RT: 8.96 min Scan# 999

Delta R.T. 0.06 min

Lab File: BM003669.D

Acq: 21 Dec 2015 00:02

Instrument :

BNA_M

ClientSampleID :

G9DB2

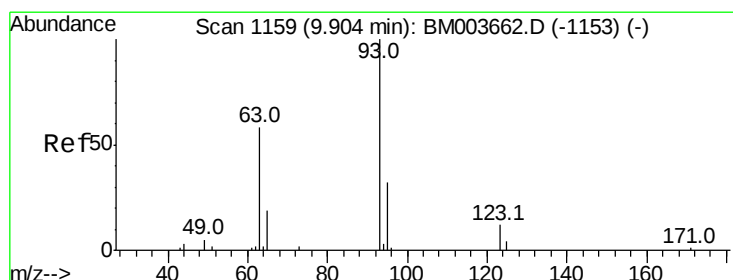
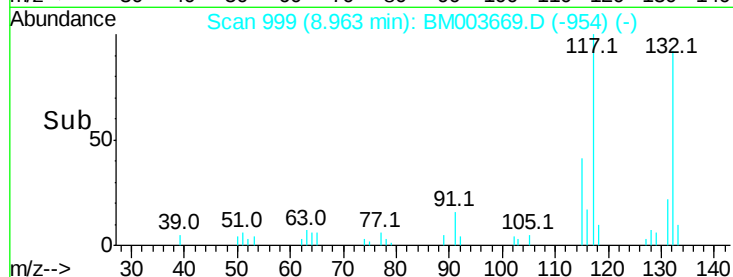
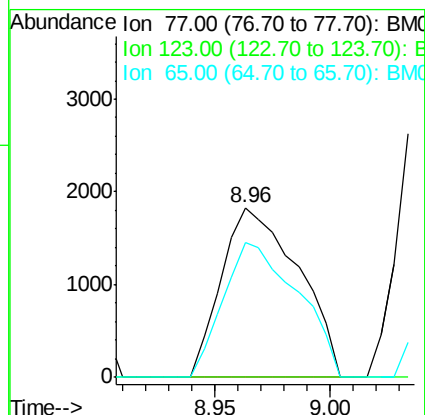
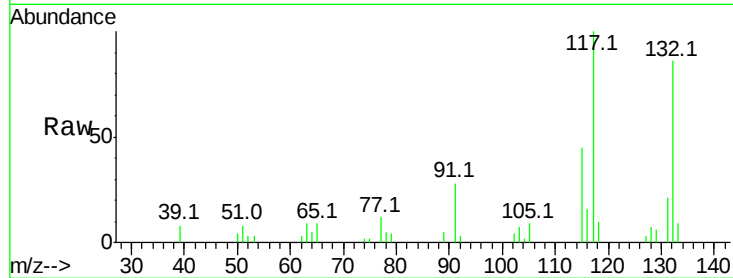
Tot Ion: 77 Resp: 4226

Ion Ratio Lower Upper

77 100

123 0.0 39.0 58.4#

65 79.6 10.4 15.6#



#25

Bis(2-Chloroethoxy)methane

Concen: 1.09 ng/ul

RT: 9.90 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BM003669.D

Acq: 21 Dec 2015 00:02

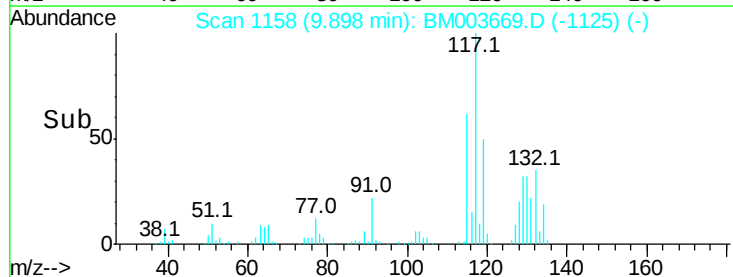
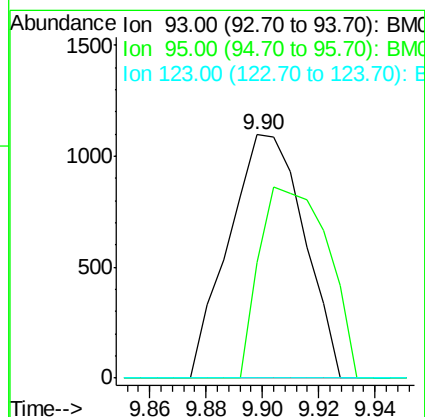
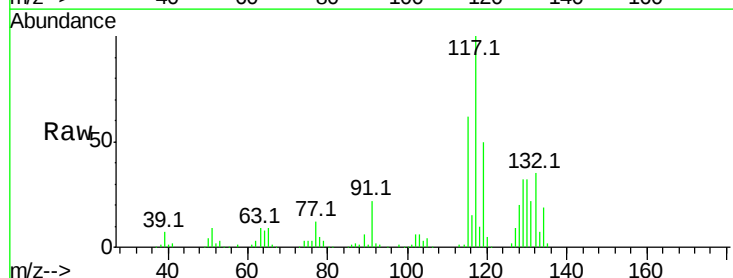
Tgt Ion: 93 Resp: 2022

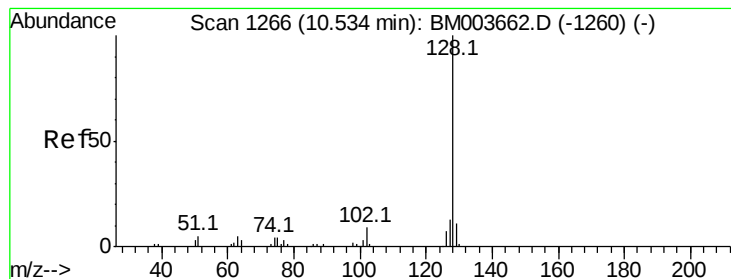
Ion Ratio Lower Upper

93 100

95 47.5 25.8 38.8#

123 0.0 9.8 14.8#





#28

Naphthalene

Concen: 3465.52 ng/ul

RT: 10.63 min Scan# 1283

Delta R.T. 0.10 min

Lab File: BM003669.D

Acq: 21 Dec 2015 00:02

Instrument :

BNA_M

ClientSampleId :

G9DB2

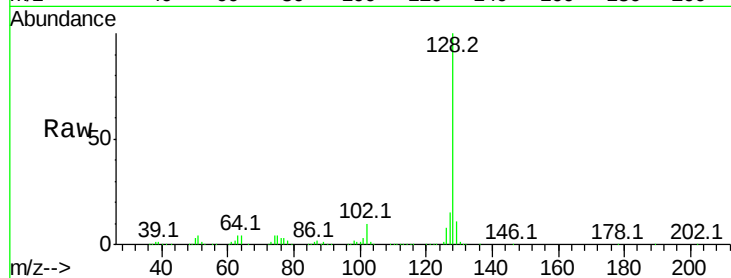
Tot Ion:128 Resp:16380710

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

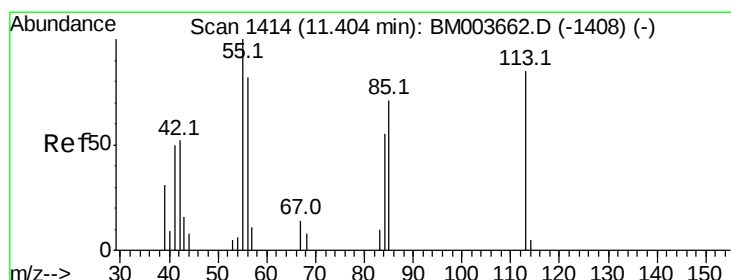
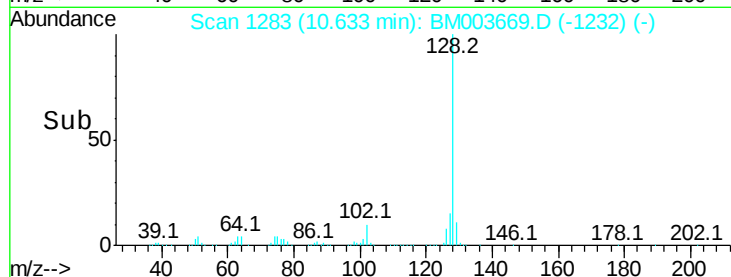
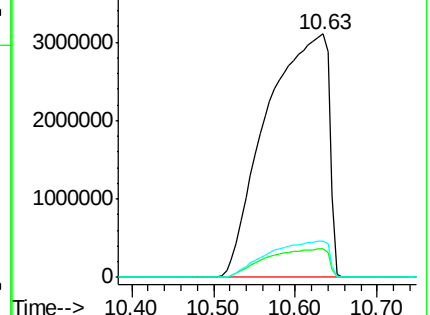
127 14.9 10.5 15.7



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



#32

Caprolactam

Concen: 1.07 ng/ul

RT: 11.34 min Scan# 1403

Delta R.T. -0.06 min

Lab File: BM003669.D

Acq: 21 Dec 2015 00:02

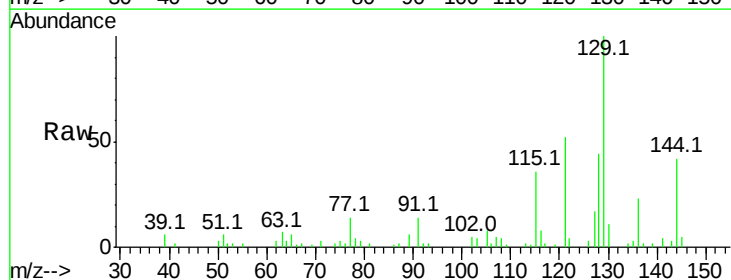
Tgt Ion:113 Resp: 566

Ion Ratio Lower Upper

113 100

55 115.9 101.9 152.9

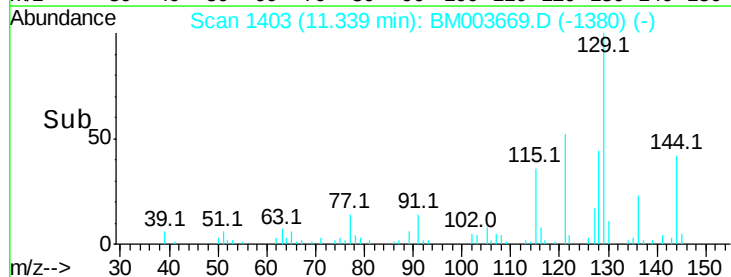
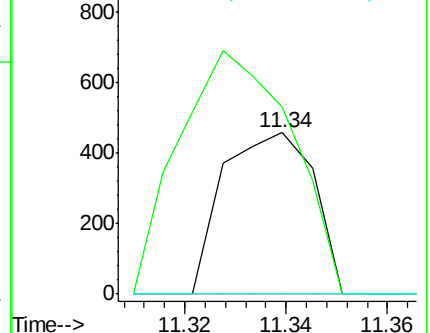
56 0.0 81.2 121.8#

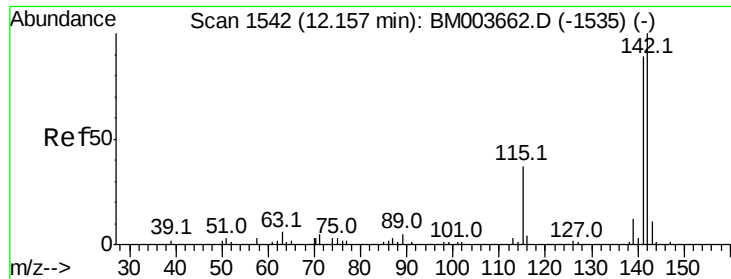


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0

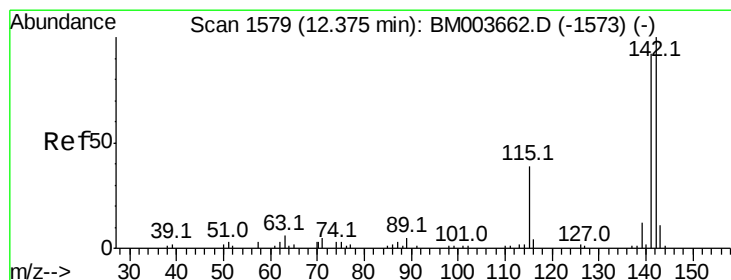
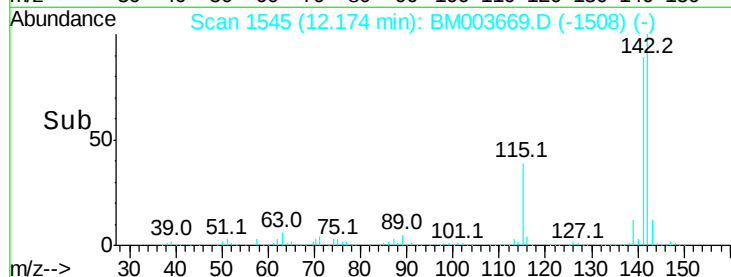
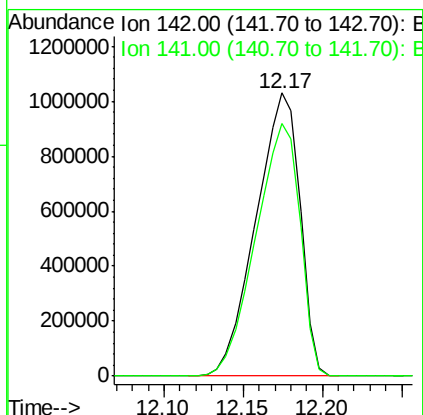
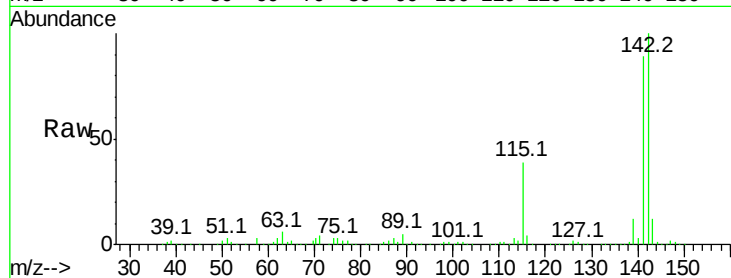




#34
2-Methylnaphthalene
Concen: 563.90 ng/ul
RT: 12.17 min Scan# 1545
Delta R.T. 0.02 min
Lab File: BM003669.D
Acq: 21 Dec 2015 00:02

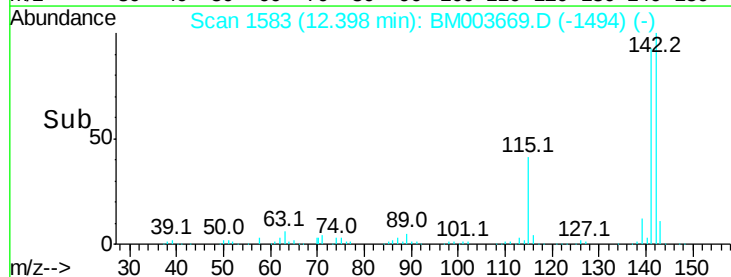
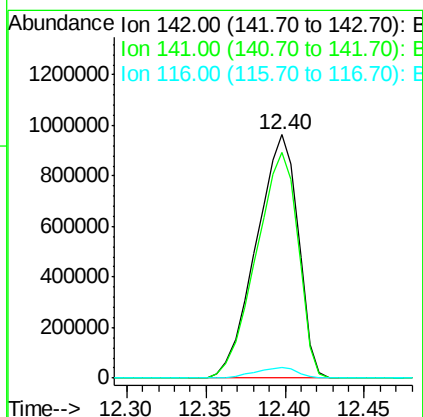
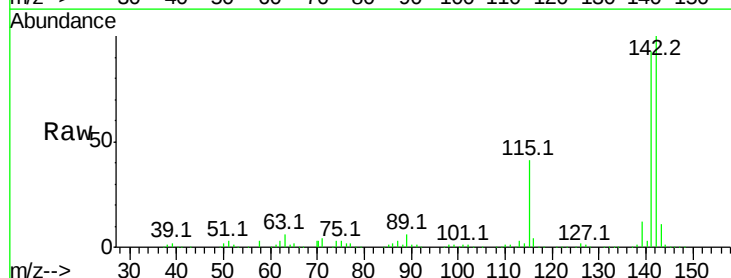
Instrument :
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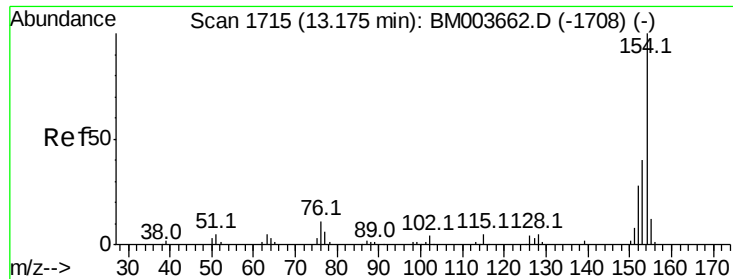
Tot Ion:142 Resp: 1990557
Ion Ratio Lower Upper
142 100
141 89.3 71.6 107.4



#35
1-Methylnaphthalene
Concen: 529.12 ng/ul
RT: 12.40 min Scan# 1583
Delta R.T. 0.02 min
Lab File: BM003669.D
Acq: 21 Dec 2015 00:02

Tgt Ion:142 Resp: 1774176
Ion Ratio Lower Upper
142 100
141 92.9 74.9 112.3
116 4.3 3.1 4.7





#41

1,1'-Biphenyl

Concen: 59.16 ng/ul

RT: 13.18 min Scan# 1716

Delta R.T. 0.01 min

Lab File: BM003669.D

Acq: 21 Dec 2015 00:02

Instrument :

BNA_M

ClientSampleId :

G9DB2

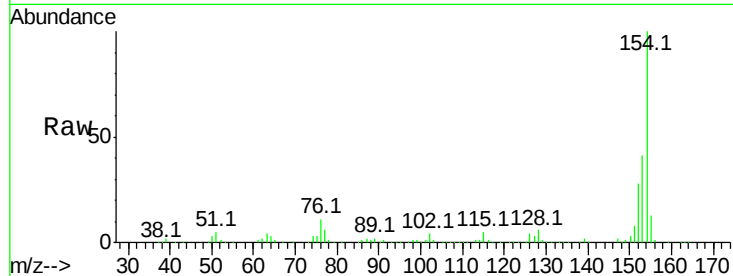
Tot Ion:154 Resp: 321915

Ion Ratio Lower Upper

154 100

153 40.7 32.1 48.1

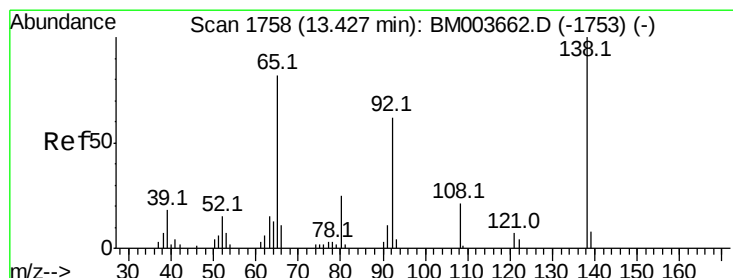
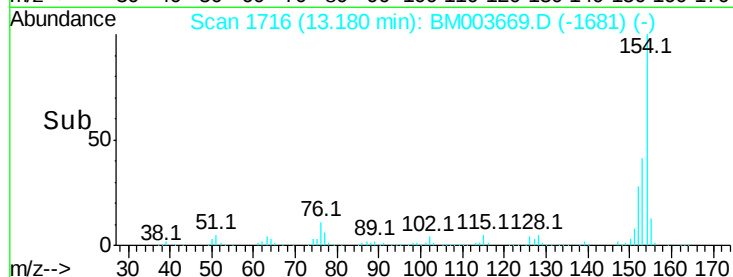
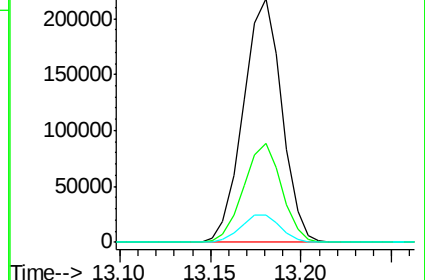
76 11.4 9.5 14.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): E



#43

2-Nitroaniline

Concen: 3.61 ng/ul

RT: 13.48 min Scan# 1767

Delta R.T. 0.05 min

Lab File: BM003669.D

Acq: 21 Dec 2015 00:02

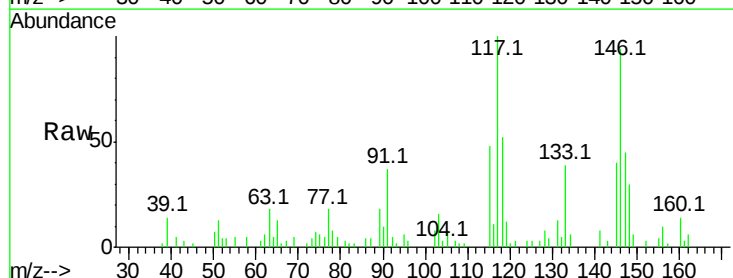
Tgt Ion: 65 Resp: 4085

Ion Ratio Lower Upper

65 100

92 40.3 60.4 90.6#

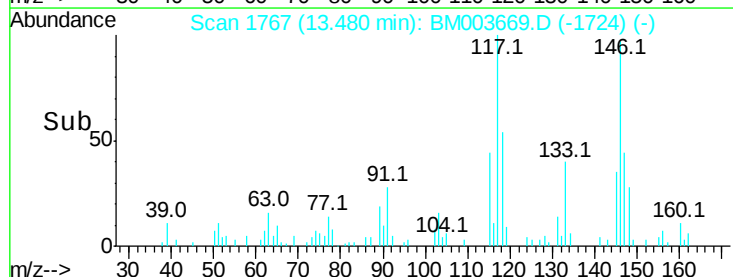
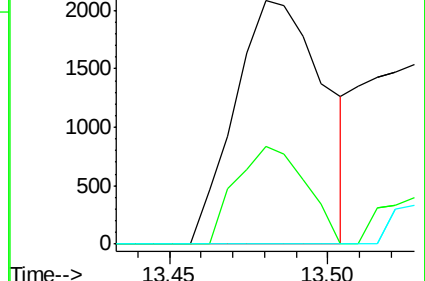
138 0.0 99.8 149.6#

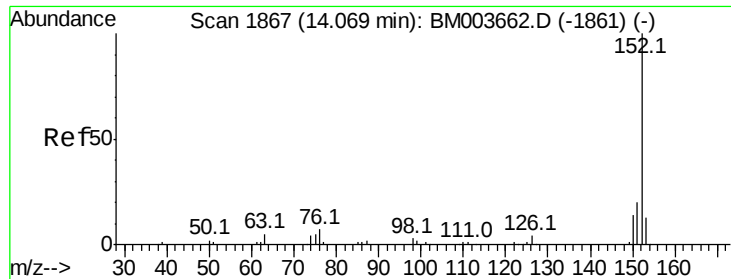


Abundance Ion 65.00 (64.70 to 65.70): E

Ion 92.00 (91.70 to 92.70): E

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 7.79 ng/ul

RT: 14.07 min Scan# 1867

Delta R.T. -0.00 min

Lab File: BM003669.D

Acq: 21 Dec 2015 00:02

Instrument :

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ClientSampleId :

G9DB2

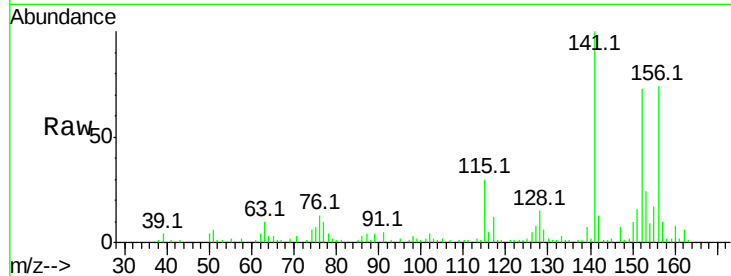
Tot Ion:152 Resp: 53728

Ion Ratio Lower Upper

152 100

151 21.7 15.7 23.5

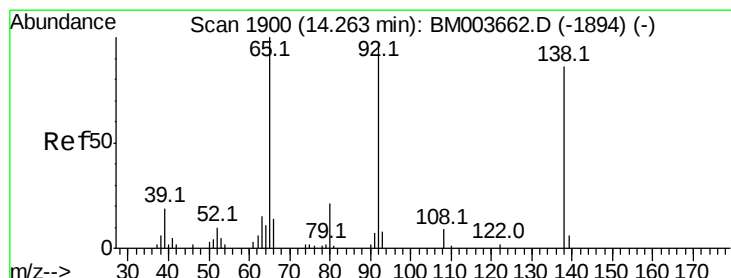
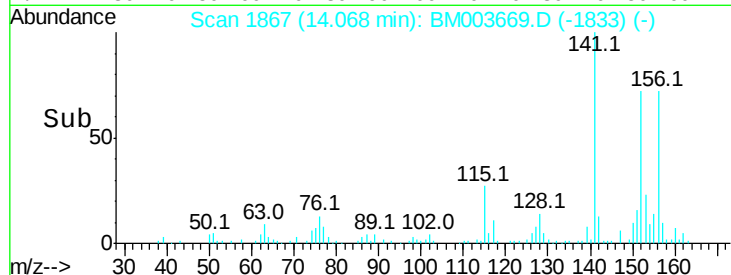
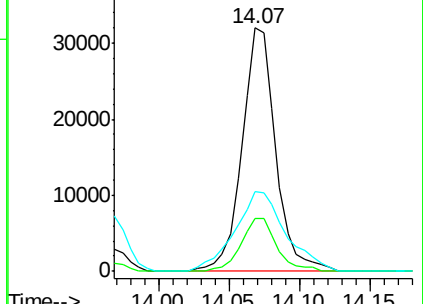
153 32.6 10.5 15.7#



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

3-Nitroaniline

Concen: 1.05 ng/ul

RT: 14.43 min Scan# 1928

Delta R.T. 0.16 min

Lab File: BM003669.D

Acq: 21 Dec 2015 00:02

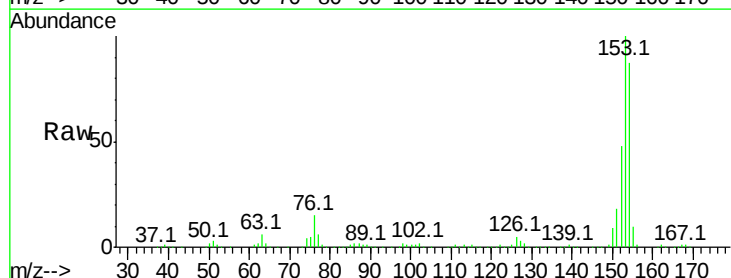
Tgt Ion:138 Resp: 1296

Ion Ratio Lower Upper

138 100

108 0.0 8.7 13.1#

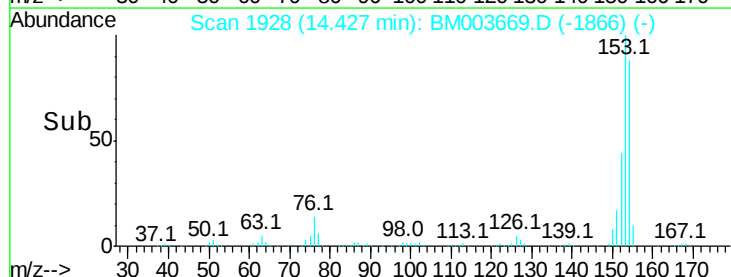
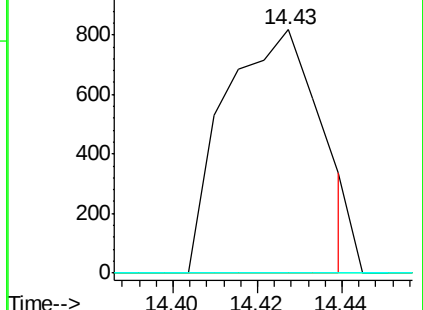
92 0.0 88.2 132.4#

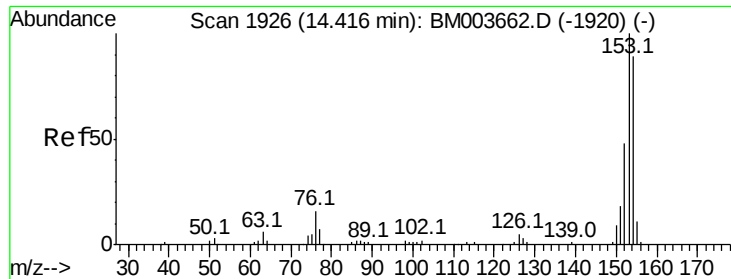


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM





#50

Acenaphthene

Concen: 210.78 ng/ul

RT: 14.42 min Scan# 1927

Delta R.T. 0.01 min

Lab File: BM003669.D

Acq: 21 Dec 2015 00:02

Instrument :

BNA_M

ClientSampleId :

G9DB2

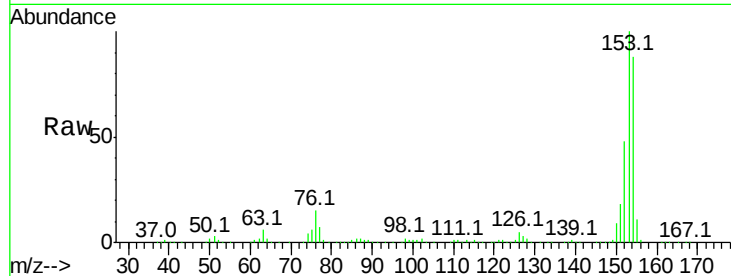
Tot Ion:153 Resp: 970392

Ion Ratio Lower Upper

153 100

152 47.9 38.3 57.5

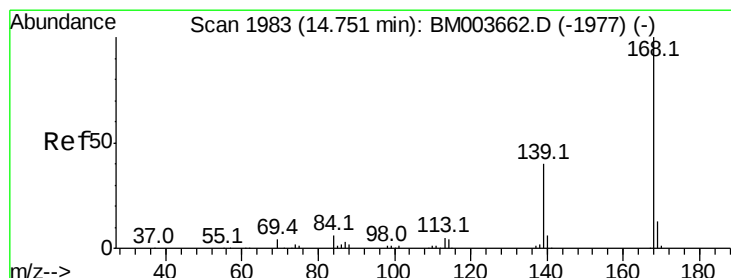
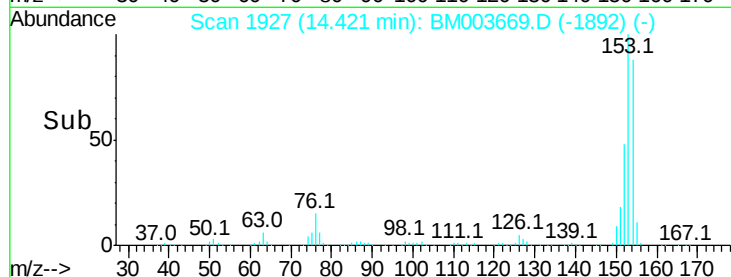
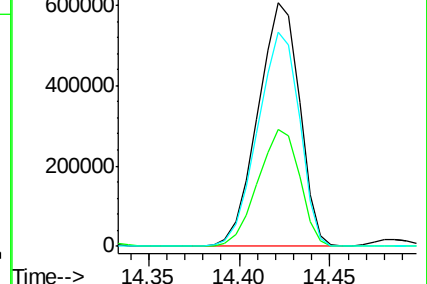
154 88.0 71.8 107.8



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: 7.84 ng/ul

RT: 14.75 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BM003669.D

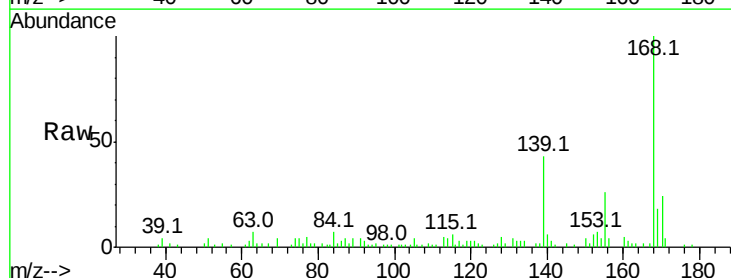
Acq: 21 Dec 2015 00:02

Tgt Ion:168 Resp: 51541

Ion Ratio Lower Upper

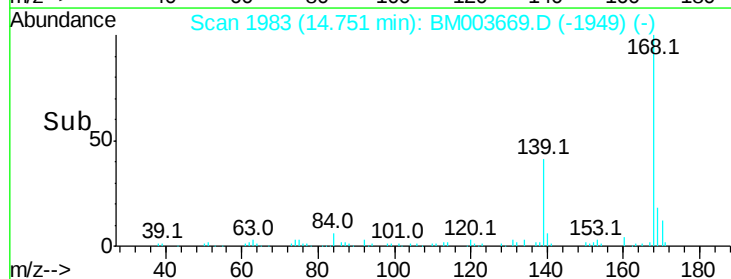
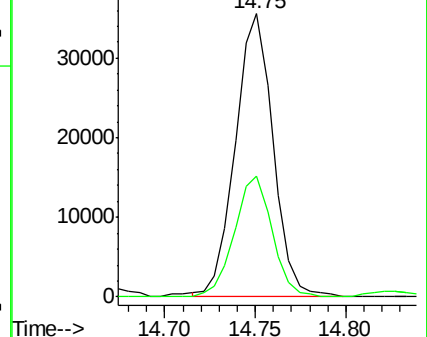
168 100

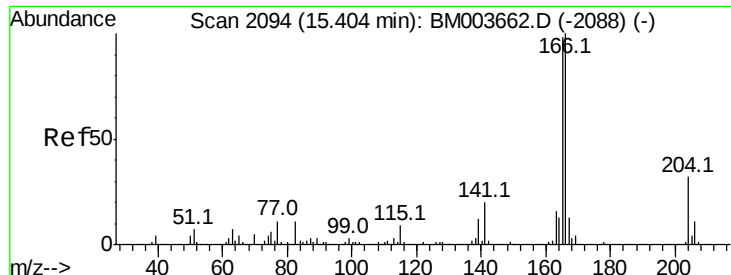
139 42.7 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 71.76 ng/ul

RT: 15.40 min Scan# 2094

Delta R.T. -0.00 min

Lab File: BM003669.D

Acq: 21 Dec 2015 00:02

Instrument :

BNA_M

ClientSampleId :

G9DB2

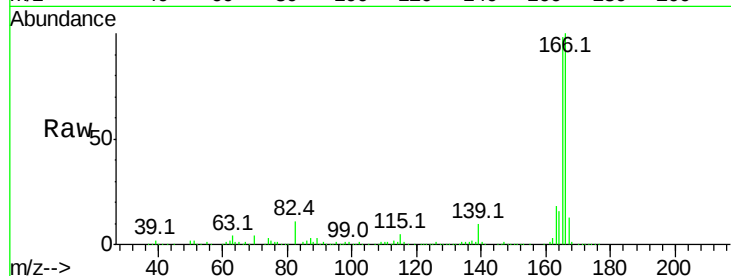
Tot Ion:166 Resp: 378494

Ion Ratio Lower Upper

166 100

165 98.4 78.5 117.7

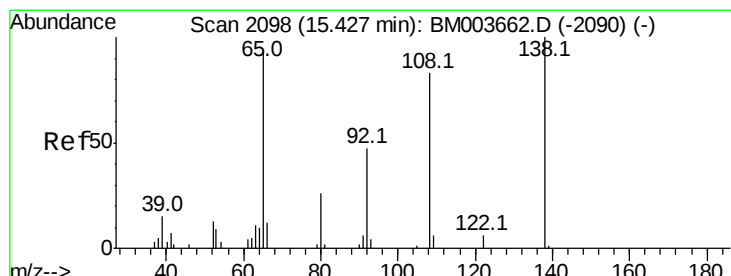
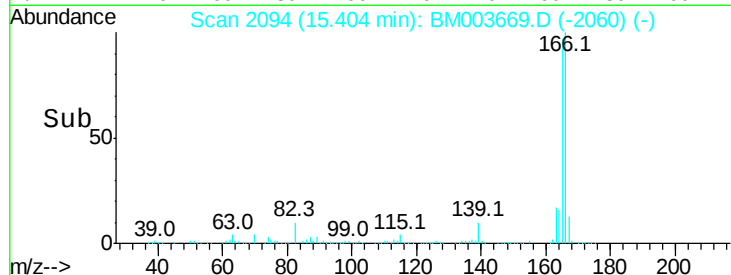
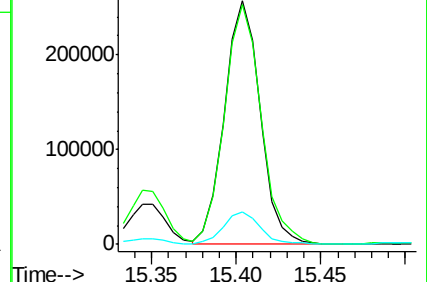
167 13.4 10.7 16.1



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



#61

4-Nitroaniline

Concen: 3.64 ng/ul

RT: 15.40 min Scan# 2094

Delta R.T. -0.02 min

Lab File: BM003669.D

Acq: 21 Dec 2015 00:02

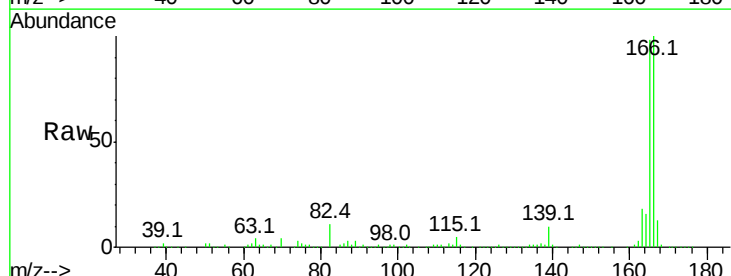
Tgt Ion:138 Resp: 4974

Ion Ratio Lower Upper

138 100

92 10.2 40.6 60.8#

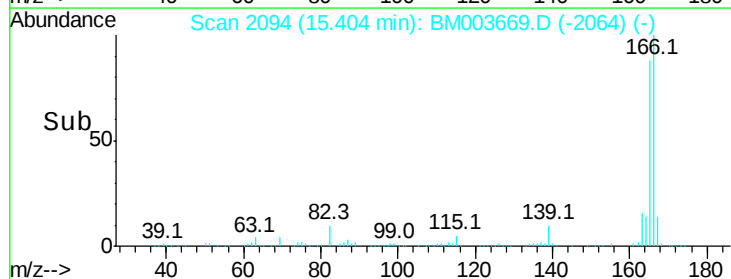
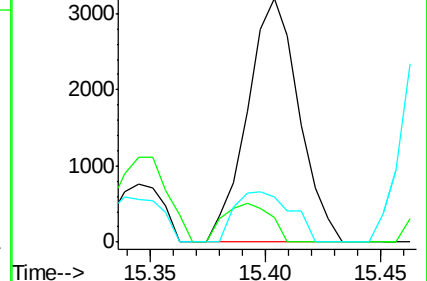
108 18.8 67.0 100.6#

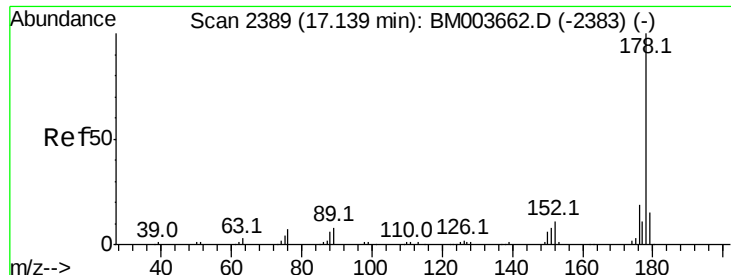


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E

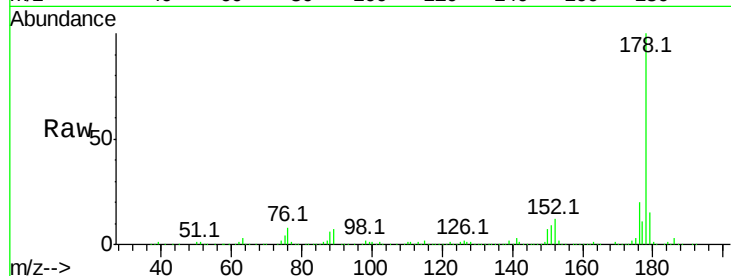




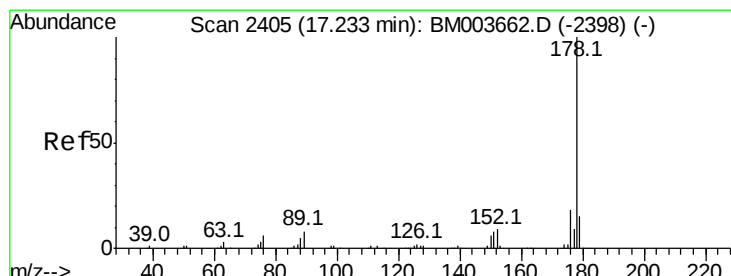
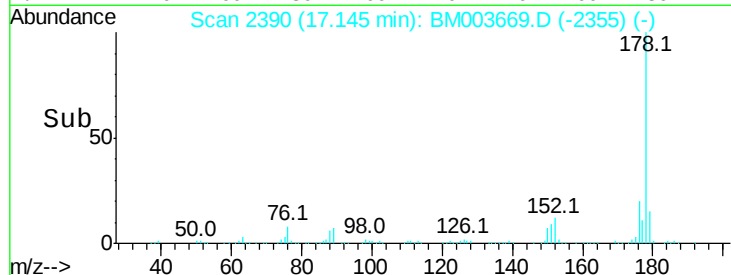
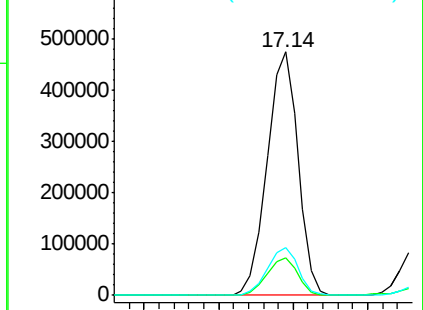
#70
Phenanthrene
Concen: 78.23 ng/ul
RT: 17.14 min Scan# 2390
Delta R.T. 0.01 min
Lab File: BM003669.D
Acq: 21 Dec 2015 00:02

Instrument :
BNA_M
ClientSampleId :
G9DB2

Tot Ion:178 Resp: 681016
Ion Ratio Lower Upper
178 100
179 15.3 12.2 18.4
176 19.6 15.6 23.4

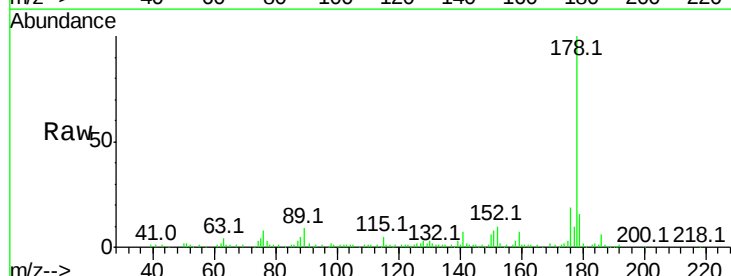


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

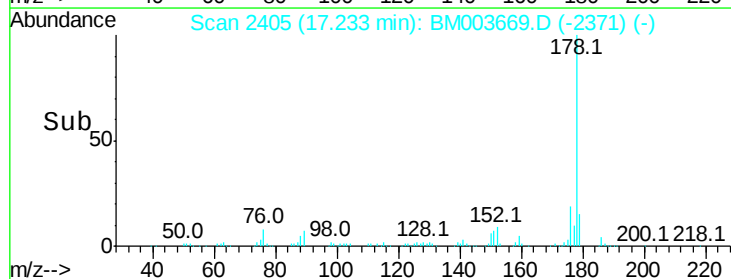
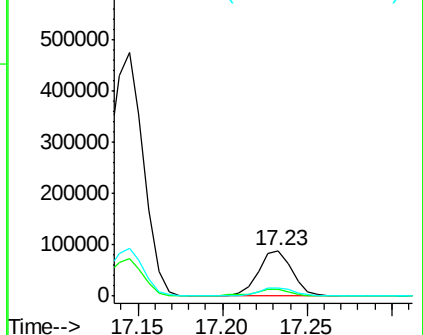


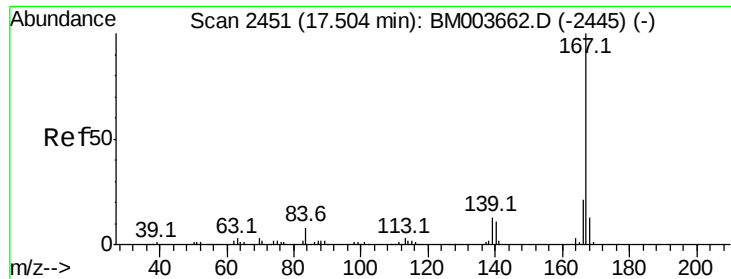
#72
Anthracene
Concen: 13.73 ng/ul
RT: 17.23 min Scan# 2405
Delta R.T. -0.00 min
Lab File: BM003669.D
Acq: 21 Dec 2015 00:02

Tgt Ion:178 Resp: 121892
Ion Ratio Lower Upper
178 100
179 15.6 12.1 18.1
176 18.9 14.8 22.2



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: 26.39 ng/ul

RT: 17.50 min Scan# 2451

Delta R.T. -0.00 min

Lab File: BM003669.D

Acq: 21 Dec 2015 00:02

Instrument :

BNA_M

ClientSampleId :

G9DB2

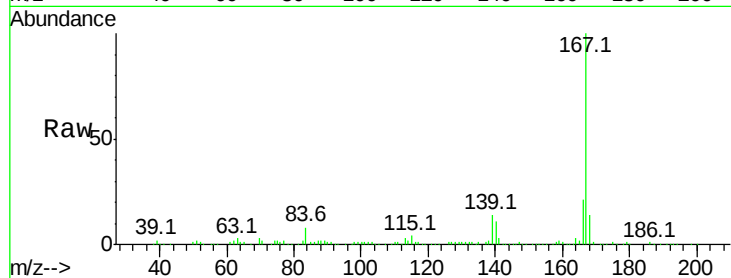
Tot Ion:167 Resp: 213837

Ion Ratio Lower Upper

167 100

166 21.3 17.0 25.6

139 13.9 11.0 16.4



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

17.50

150000

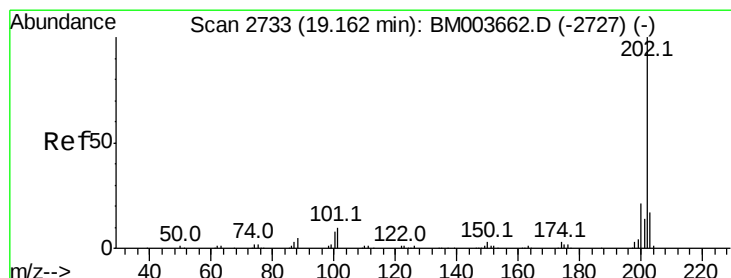
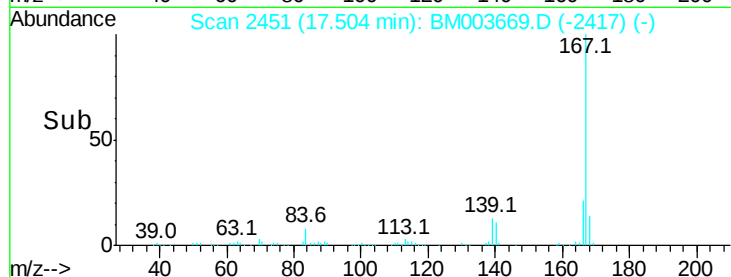
100000

50000

0

Time-->

17.45 17.50 17.55



#77

Fluoranthene

Concen: 6.96 ng/ul

RT: 19.16 min Scan# 2733

Delta R.T. -0.00 min

Lab File: BM003669.D

Acq: 21 Dec 2015 00:02

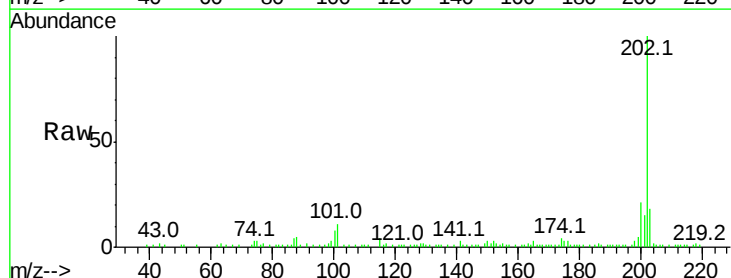
Tgt Ion:202 Resp: 69641

Ion Ratio Lower Upper

202 100

101 11.2 8.8 13.2

100 7.8 6.6 9.8



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

19.16

60000

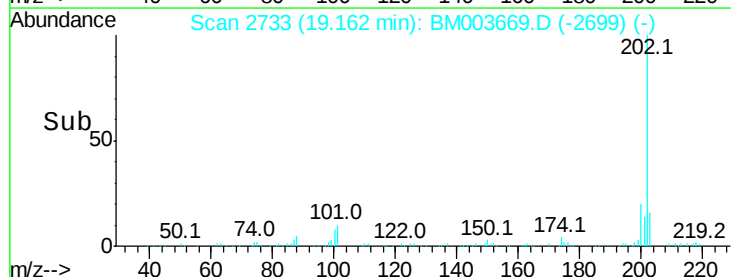
40000

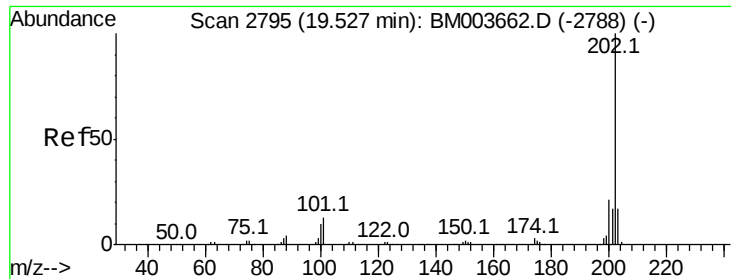
20000

0

Time-->

19.10 19.15 19.20

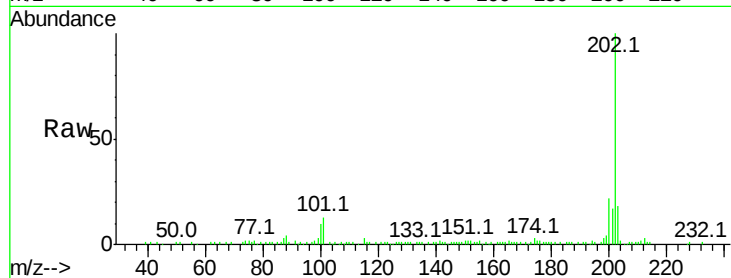




#80
 Pvrene
 Concen: 7.63 ng/ul
 RT: 19.53 min Scan# 2795
 Delta R.T. -0.00 min
 Lab File: BM003669.D
 Acq: 21 Dec 2015 00:02

Instrument :
 BNA_M
 ClientSampleId :
 G9DB2

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.9	10.2	15.2
100	10.0	8.5	12.7



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

