

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
 Data File : BM005256.D
 Acq On : 06 May 2016 04:11
 Operator : UM/SJ
 Sample : H2813-13
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC7T4

Quant Time: May 06 05:58:29 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 06 04:26:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	96949	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	463933	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	299931	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	733657	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	878781	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	874225	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	1965	0.95	ng/uL	0.00
5) Phenol-d5	6.95	99	37122	4.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	103353	20.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.31	132	110236	16.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	77807	10.71	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	74072	22.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	85106	22.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.19	165	143794	20.63	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	4995	0.60	ng/ul	0.01
43) Dimethylphthalate-d6	13.83	166	547370	22.77	ng/ul	0.00
46) Acenaphthylene-d8	14.10	160	638162	22.63	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	18887	4.30	ng/ul	0.00
57) Fluorene-d10	15.41	176	480244	23.13	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	92574	22.43	ng/ul	0.00
70) Anthracene-d10	17.26	188	784329	24.18	ng/ul	0.00
76) Pyrene-d10	19.56	212	929238	22.91	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	947932	24.50	ng/ul	-0.01

Target Compounds

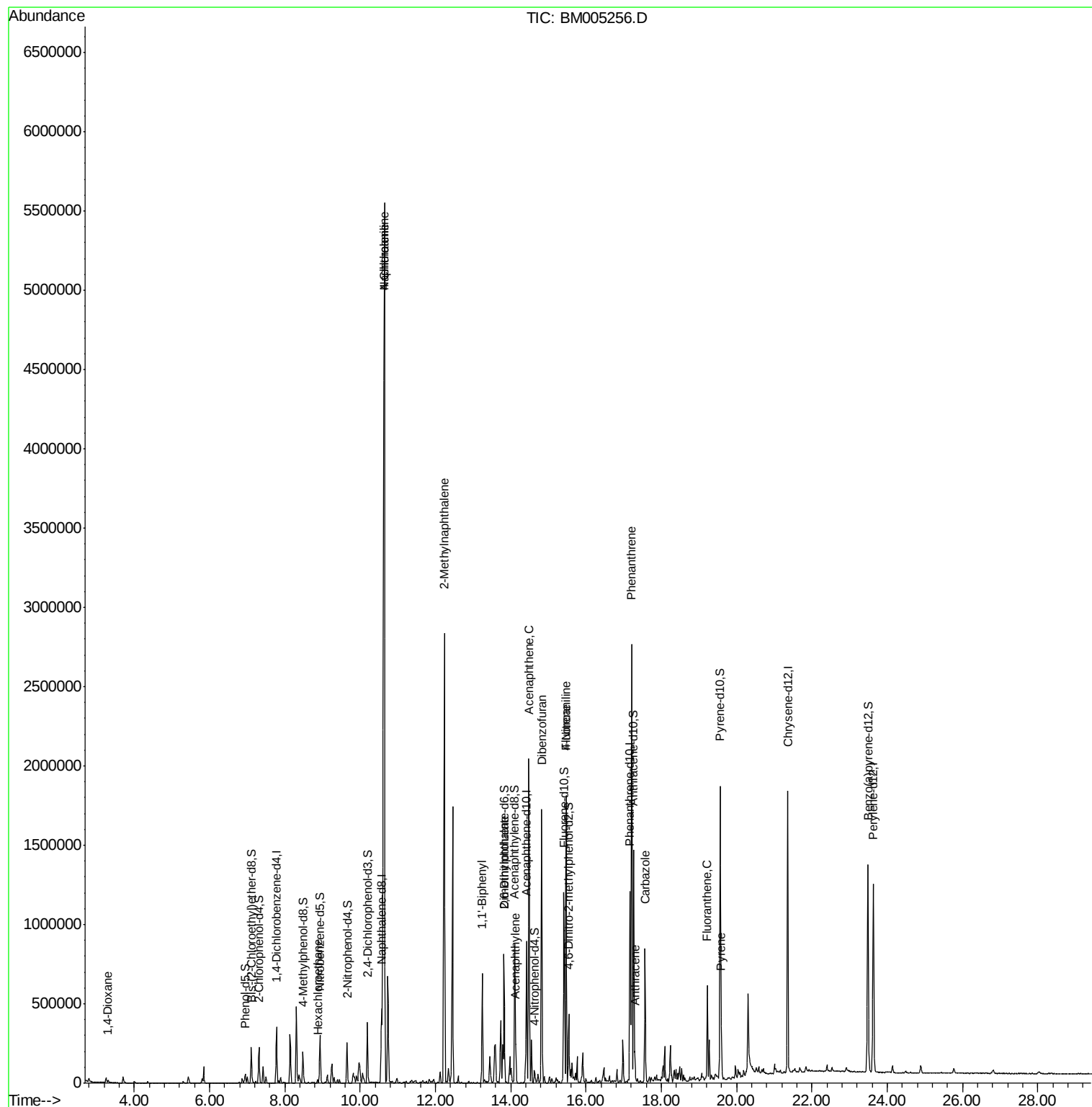
						Qvalue
2) 1,4-Dioxane	3.30	88	8844	2.35	ng/uL	97
17) Hexachloroethane	8.87	117	3690	1.44	ng/ul#	8
28) Naphthalene	10.64	128	6833841	292.77	ng/ul	98
30) 4-Chloroaniline	10.64	127	945978	110.57	ng/ul#	18
34) 2-Methylnaphthalene	12.23	142	1495962	85.69	ng/ul	100
40) 1,1'-Biphenyl	13.24	154	370628	15.60	ng/ul	100
45) 2,6-Dinitrotoluene	13.82	165	4887	1.03	ng/ul#	50
47) Acenaphthylene	14.13	152	85921	2.88	ng/ul#	94
49) Acenaphthene	14.48	153	861022	43.80	ng/ul	99
53) Dibenzofuran	14.82	168	1099756	38.55	ng/ul	98
58) Fluorene	15.47	166	836404	37.50	ng/ul	99
60) 4-Nitroaniline	15.47	138	9801	1.83	ng/ul#	14
69) Phenanthrene	17.21	178	1719106	44.56	ng/ul	100
71) Anthracene	17.30	178	128441	3.34	ng/ul	99
72) Carbazole	17.57	167	527911	15.60	ng/ul	99
74) Fluoranthene	19.22	202	334458	7.83	ng/ul	99
77) Pyrene	19.59	202	203047	3.98	ng/ul	98

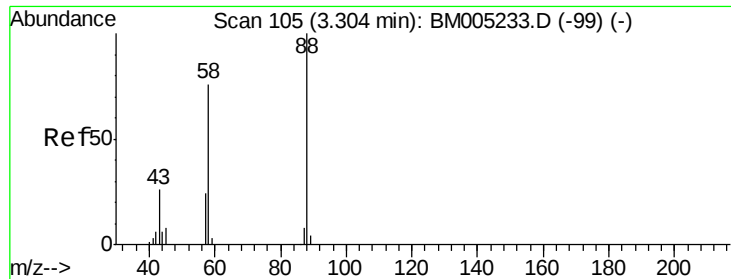
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 2.35 ng/uL

RT: 3.30 min Scan# 105

Delta R.T. -0.00 min

Lab File: BM005256.D

Acq: 06 May 2016 04:11

Instrument :

BNA_M

ClientSampleId :

BC7T4

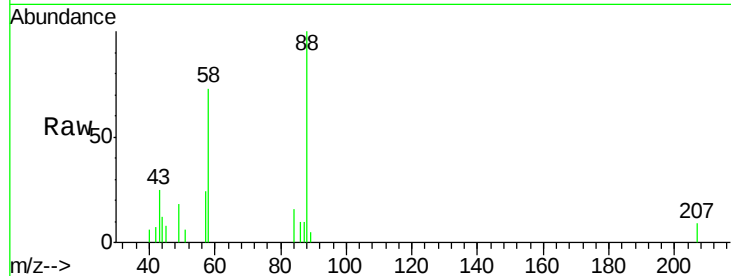
Tgt Ion: 88 Resp: 8844

Ion Ratio Lower Upper

88 100

43 24.5 19.3 28.9

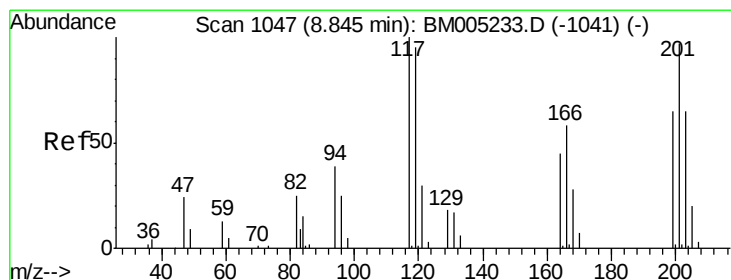
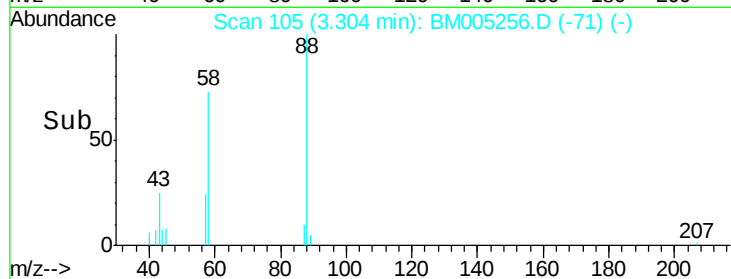
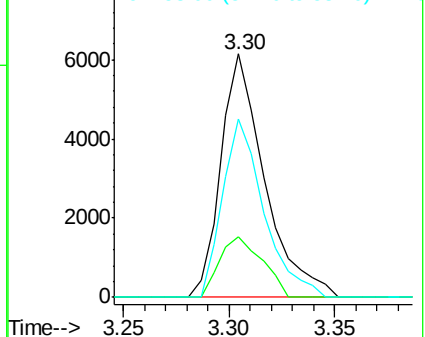
58 69.1 57.9 86.9



Abundance Ion 88.00 (87.70 to 88.70): BM005233.D (-99) (-)

Ion 43.00 (42.70 to 43.70): BM005233.D (-99) (-)

Ion 58.00 (57.70 to 58.70): BM005233.D (-99) (-)



#17

Hexachloroethane

Concen: 1.44 ng/uL

RT: 8.87 min Scan# 1051

Delta R.T. 0.02 min

Lab File: BM005256.D

Acq: 06 May 2016 04:11

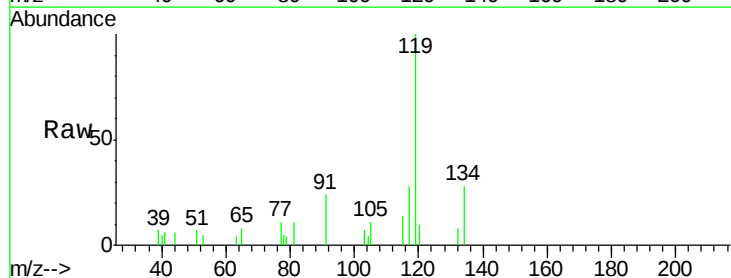
Tgt Ion: 117 Resp: 3690

Ion Ratio Lower Upper

117 100

201 0.0 78.1 117.1#

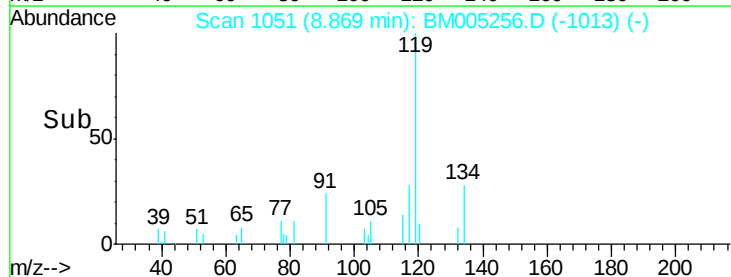
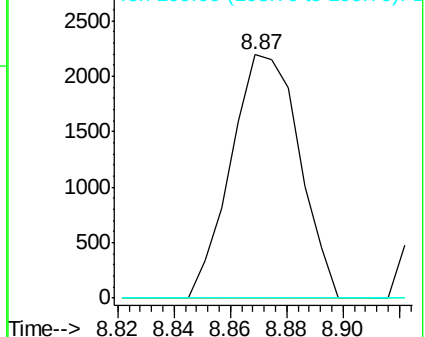
199 0.0 50.2 75.2#

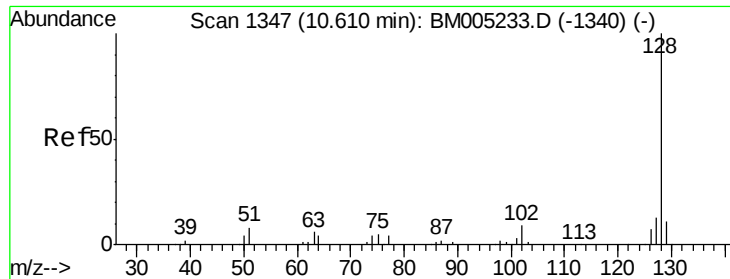


Abundance Ion 117.00 (116.70 to 117.70): BM005233.D (-1041) (-)

Ion 201.00 (200.70 to 201.70): BM005233.D (-1041) (-)

Ion 199.00 (198.70 to 199.70): BM005233.D (-1041) (-)

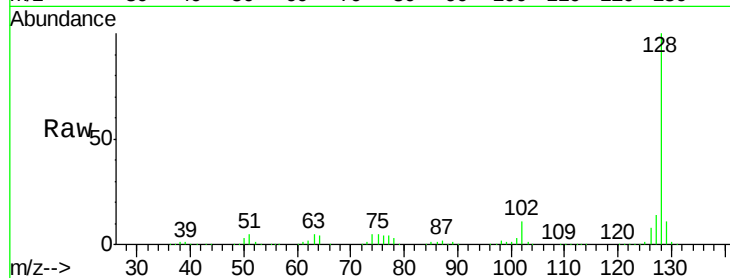




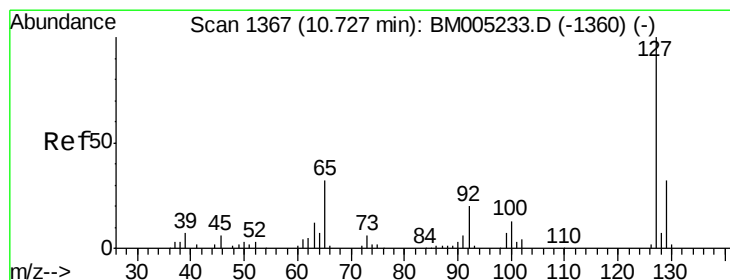
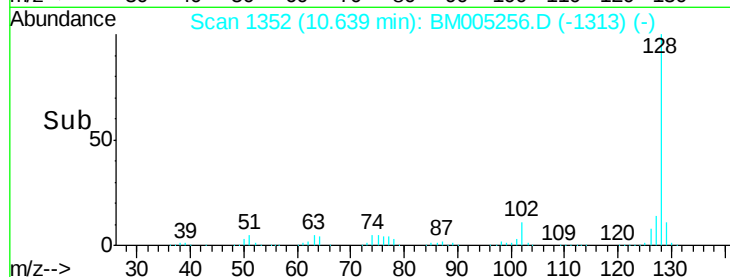
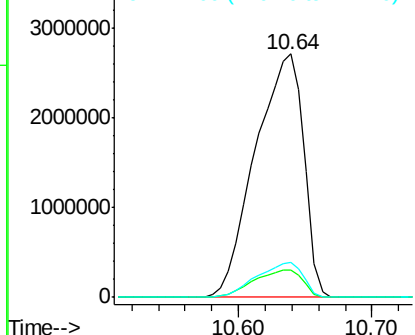
#28
Naphthalene
Concen: 292.77 ng/ul
RT: 10.64 min Scan# 1352
Delta R.T. 0.03 min
Lab File: BM005256.D
Acq: 06 May 2016 04:11

Instrument :
BNA_M
ClientSampleId :
BC7T4

Tgt Ion:128 Resp: 6833841
Ion Ratio Lower Upper
128 100
129 11.2 8.4 12.6
127 14.1 10.8 16.2

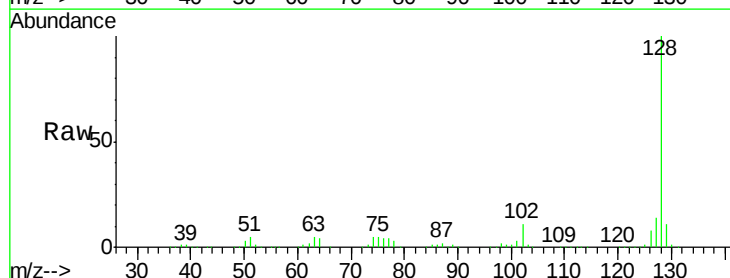


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

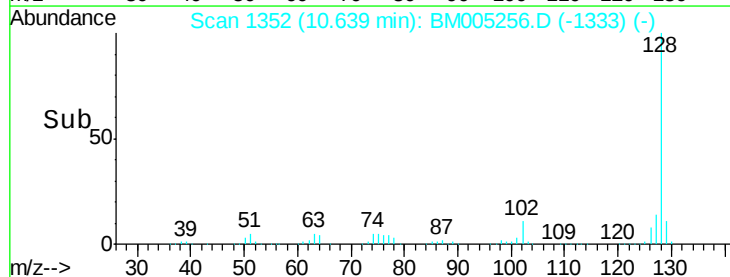
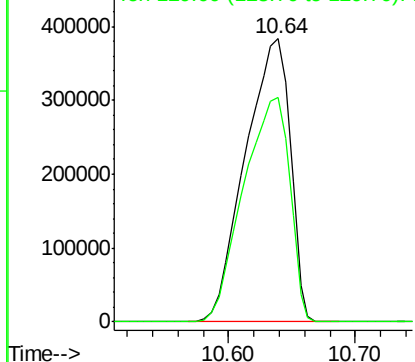


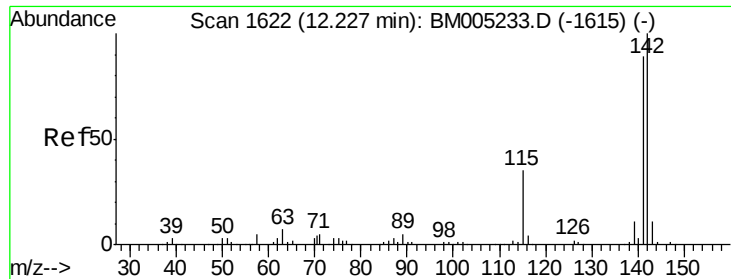
#30
4-Chloroaniline
Concen: 110.57 ng/ul
RT: 10.64 min Scan# 1352
Delta R.T. -0.09 min
Lab File: BM005256.D
Acq: 06 May 2016 04:11

Tgt Ion:127 Resp: 945978
Ion Ratio Lower Upper
127 100
129 79.3 26.5 39.7#



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

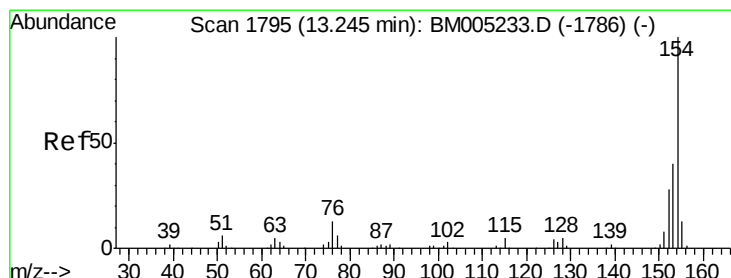
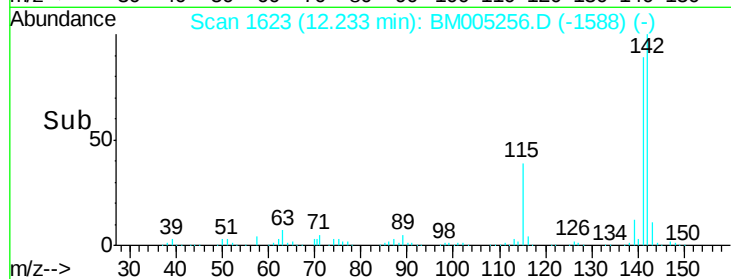
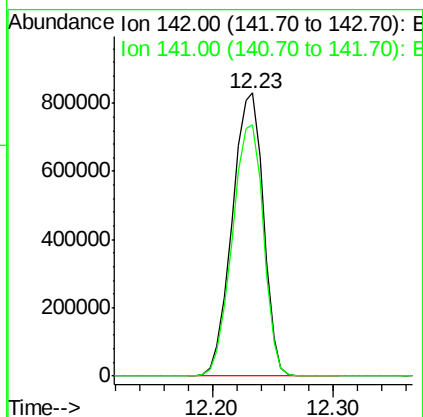
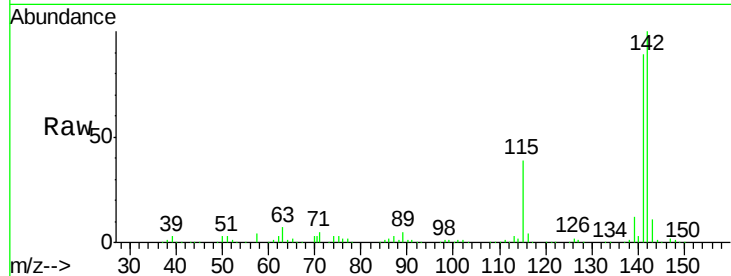




#34
 2-Methylnaphthalene
 Concen: 85.69 ng/u1
 RT: 12.23 min Scan# 1623
 Delta R.T. 0.01 min
 Lab File: BM005256.D
 Acq: 06 May 2016 04:11

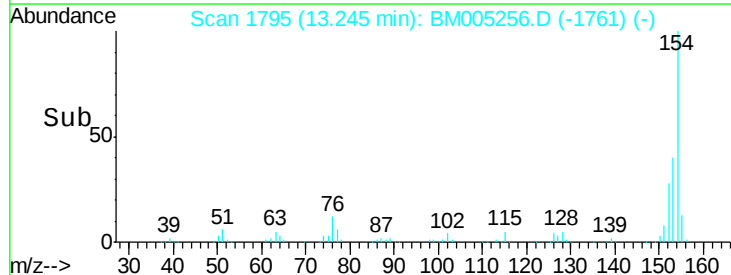
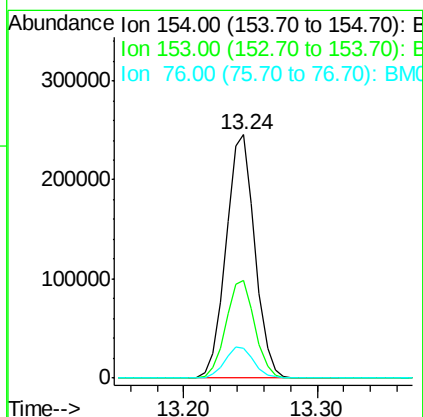
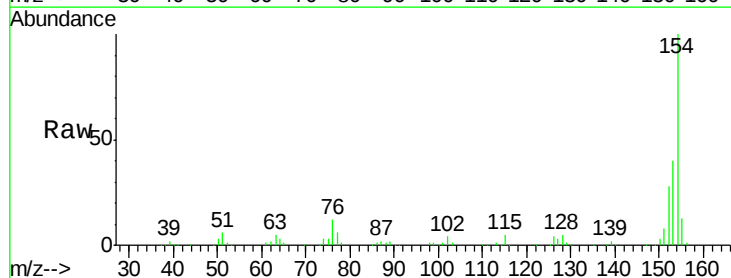
Instrument :
 BNA_M
 ClientSampleId :
 BC7T4

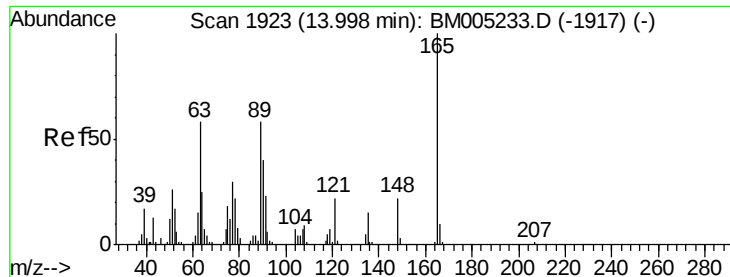
Tgt Ion:142 Resp: 1495962
 Ion Ratio Lower Upper
 142 100
 141 88.7 71.3 106.9



#40
 1,1'-Biphenyl
 Concen: 15.60 ng/u1
 RT: 13.24 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: BM005256.D
 Acq: 06 May 2016 04:11

Tgt Ion:154 Resp: 370628
 Ion Ratio Lower Upper
 154 100
 153 40.1 32.1 48.1
 76 12.5 10.6 15.8





#45

2,6-Dinitrotoluene

Concen: 1.03 ng/ul

RT: 13.82 min Scan# 1893

Delta R.T. -0.18 min

Lab File: BM005256.D

Acq: 06 May 2016 04:11

Instrument :

BNA_M

ClientSampleId :

BC7T4

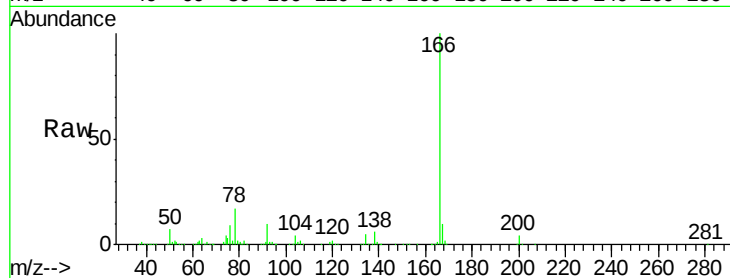
Tgt Ion:165 Resp: 4887

Ion Ratio Lower Upper

165 100

89 10.2 52.2 78.4#

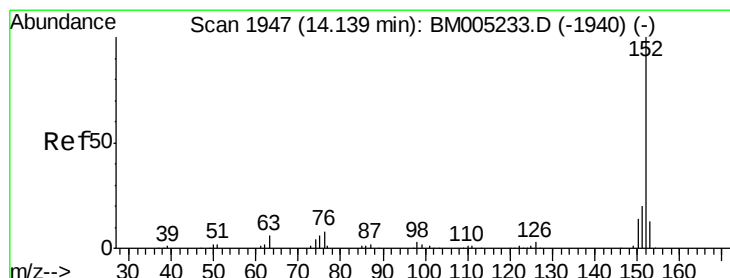
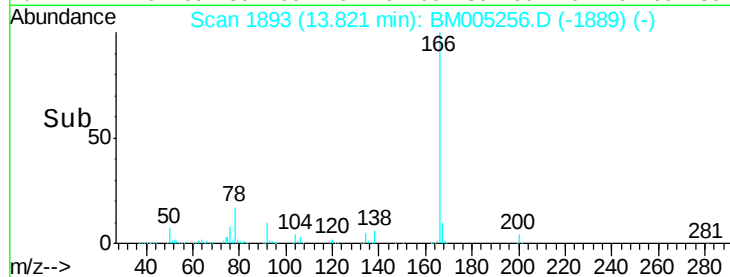
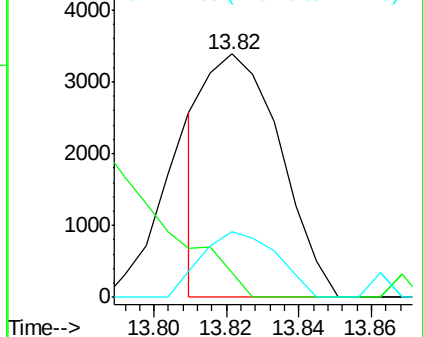
121 26.8 21.0 31.4



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM0

Ion 121.00 (120.70 to 121.70): E



#47

Acenaphthylene

Concen: 2.88 ng/ul

RT: 14.13 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BM005256.D

Acq: 06 May 2016 04:11

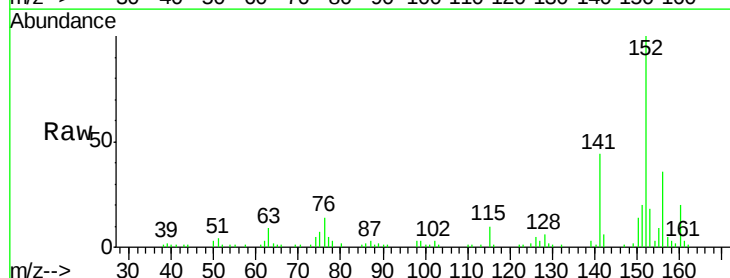
Tgt Ion:152 Resp: 85921

Ion Ratio Lower Upper

152 100

151 20.3 16.0 24.0

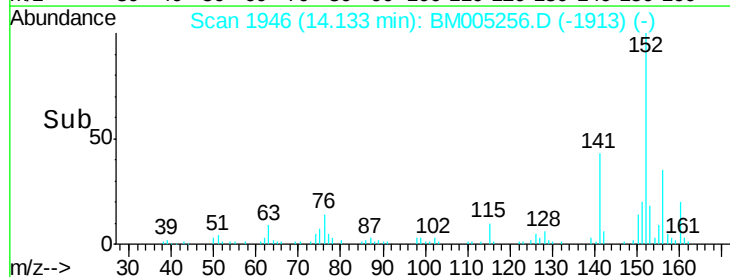
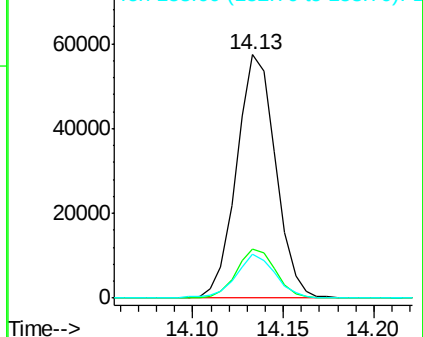
153 18.2 10.3 15.5#

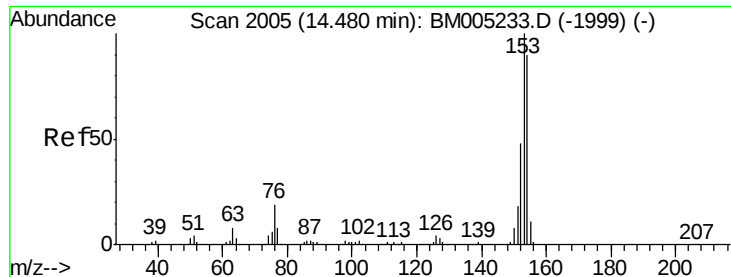


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 43.80 ng/ul

RT: 14.48 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BM005256.D

Acq: 06 May 2016 04:11

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BC7T4

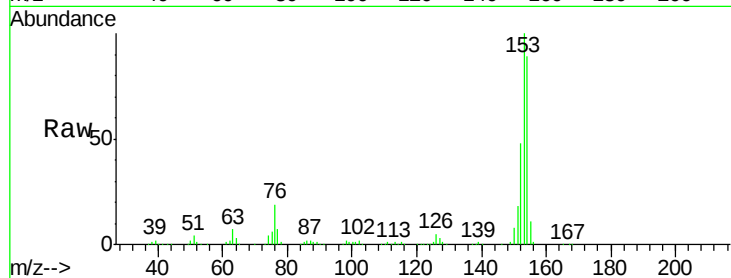
Tgt Ion:153 Resp: 861022

Ion Ratio Lower Upper

153 100

152 47.8 38.9 58.3

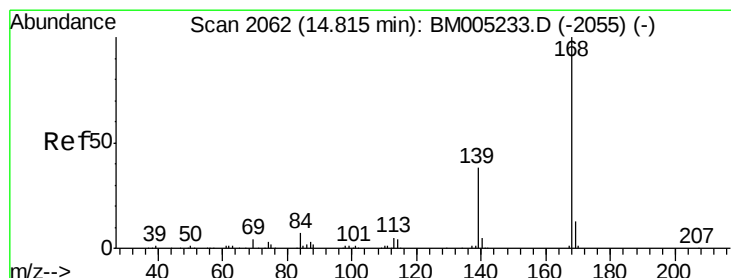
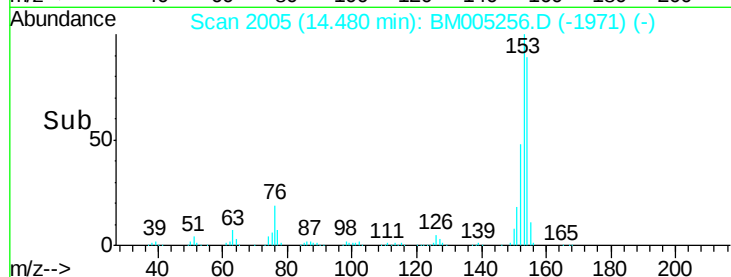
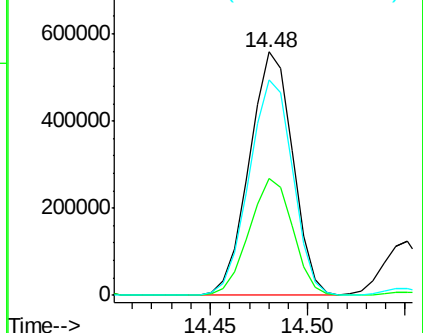
154 88.7 70.3 105.5



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



#53

Dibenzofuran

Concen: 38.55 ng/ul

RT: 14.82 min Scan# 2062

Delta R.T. -0.00 min

Lab File: BM005256.D

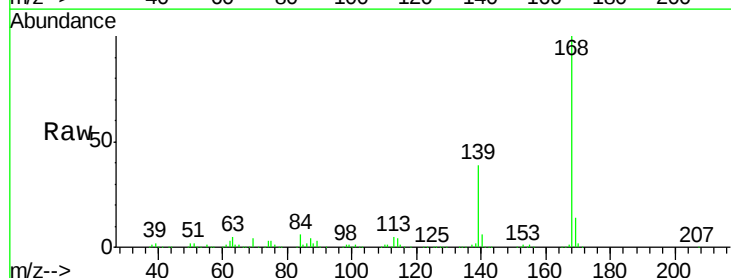
Acq: 06 May 2016 04:11

Tgt Ion:168 Resp: 1099756

Ion Ratio Lower Upper

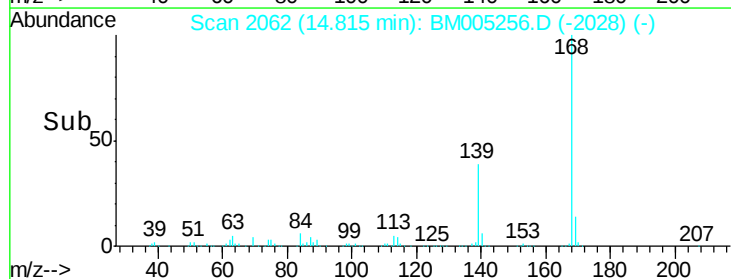
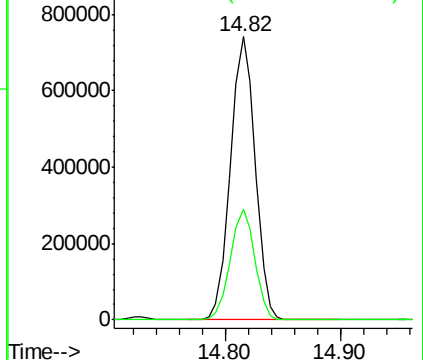
168 100

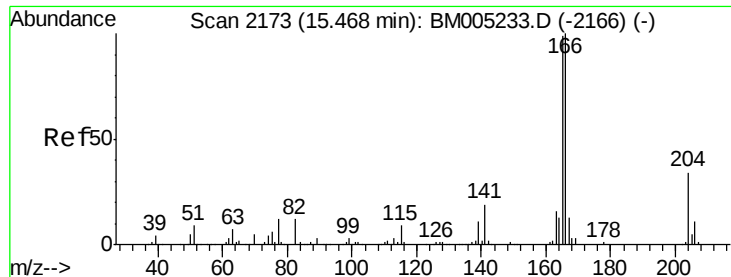
139 38.9 30.3 45.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 37.50 ng/ul

RT: 15.47 min Scan# 2173

Delta R.T. -0.00 min

Lab File: BM005256.D

Acq: 06 May 2016 04:11

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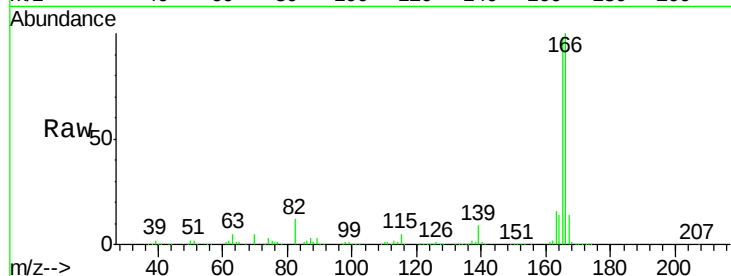
Tgt Ion:166 Resp: 836404

Ion Ratio Lower Upper

166 100

165 98.3 77.9 116.9

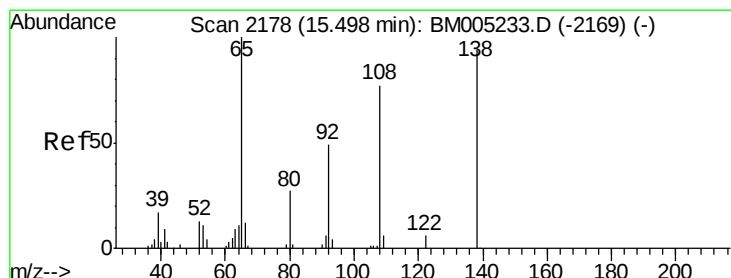
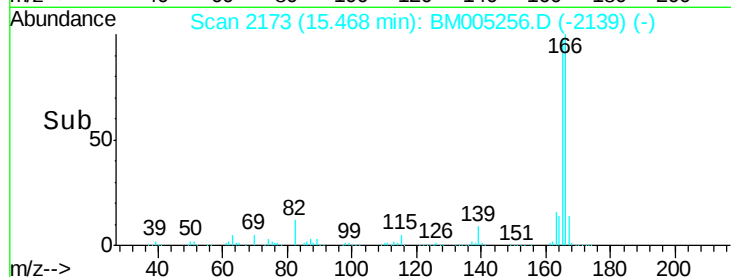
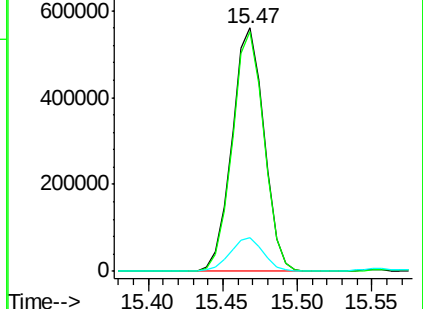
167 13.7 10.6 16.0



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



#60

4-Nitroaniline

Concen: 1.83 ng/ul

RT: 15.47 min Scan# 2173

Delta R.T. -0.03 min

Lab File: BM005256.D

Acq: 06 May 2016 04:11

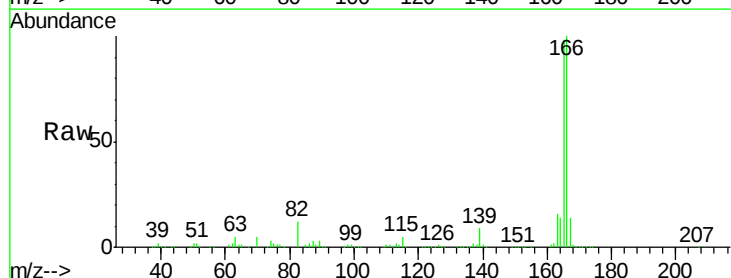
Tgt Ion:138 Resp: 9801

Ion Ratio Lower Upper

138 100

92 0.0 44.3 66.5#

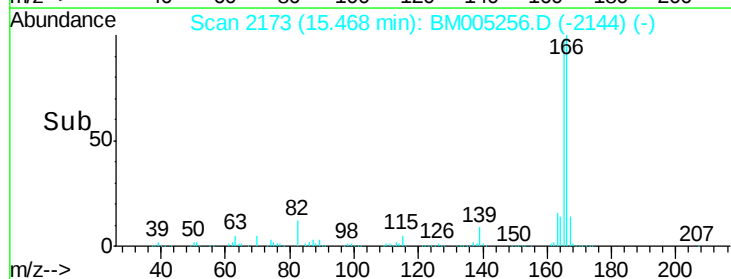
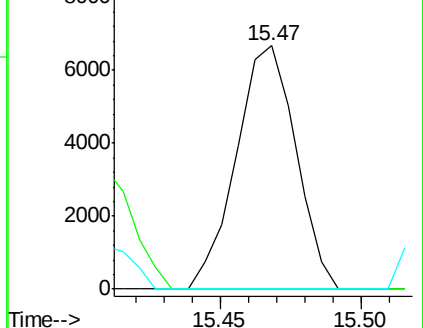
108 0.0 66.3 99.5#

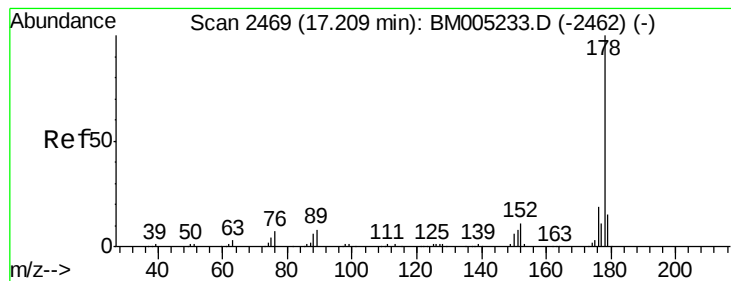


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 44.56 ng/ul

RT: 17.21 min Scan# 2469

Delta R.T. -0.00 min

Lab File: BM005256.D

Acq: 06 May 2016 04:11

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BNA_M

ClientSampleId :

BC7T4

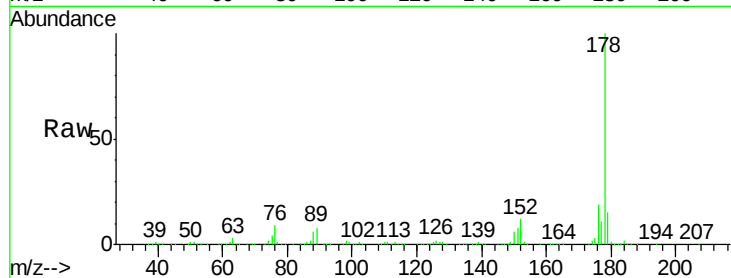
Tgt Ion:178 Resp: 1719106

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

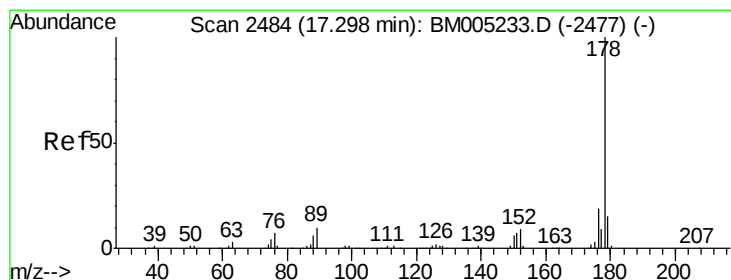
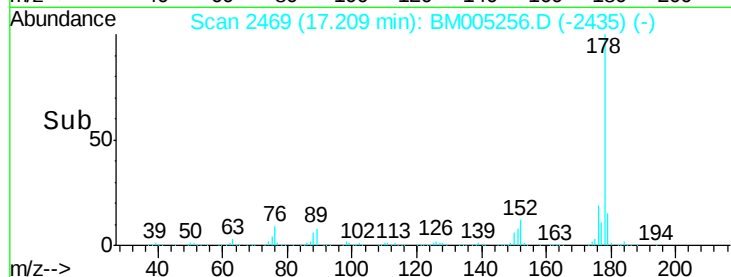
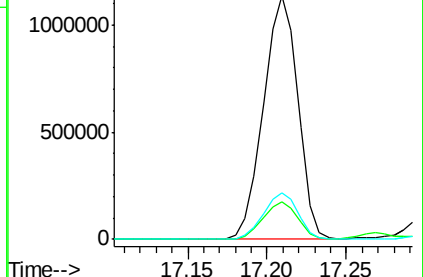
176 19.3 15.2 22.8



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: 3.34 ng/ul

RT: 17.30 min Scan# 2484

Delta R.T. -0.00 min

Lab File: BM005256.D

Acq: 06 May 2016 04:11

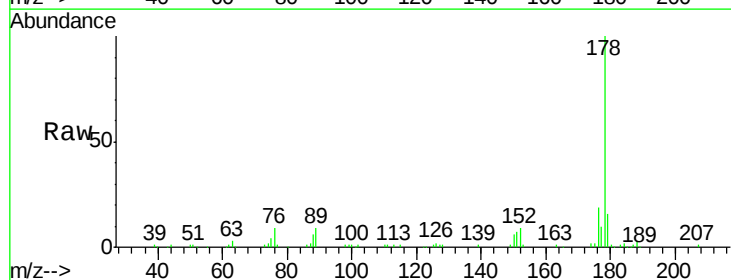
Tgt Ion:178 Resp: 128441

Ion Ratio Lower Upper

178 100

179 16.2 12.4 18.6

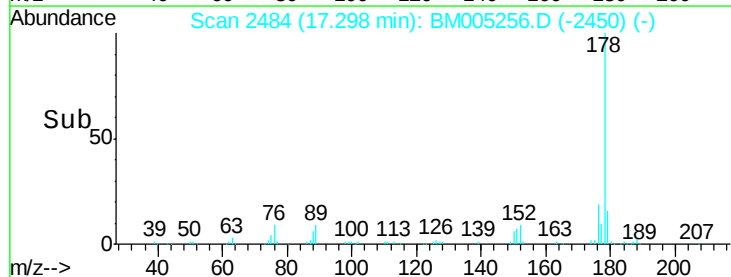
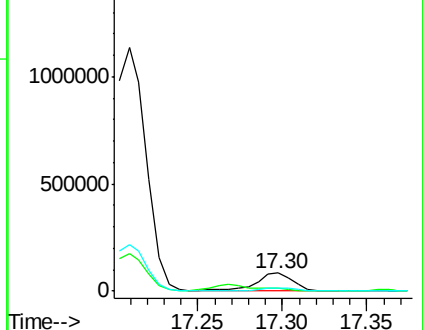
176 19.2 15.1 22.7

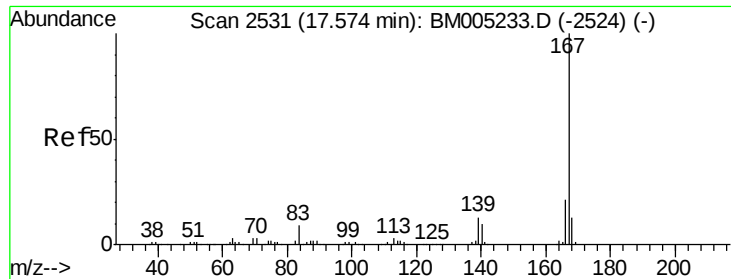


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 15.60 ng/ul

RT: 17.57 min Scan# 2530

Delta R.T. -0.01 min

Lab File: BM005256.D

Acq: 06 May 2016 04:11

Instrument :

BNA_M

ClientSampleId :

BC7T4

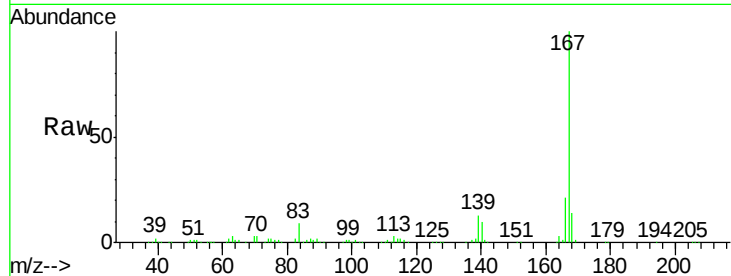
Tgt Ion:167 Resp: 527911

Ion Ratio Lower Upper

167 100

166 21.0 17.1 25.7

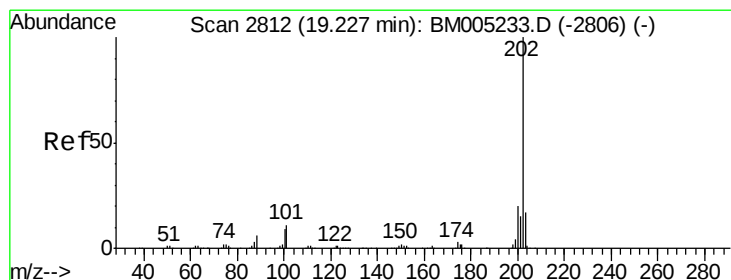
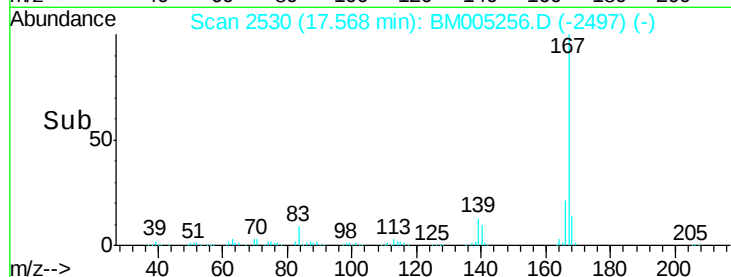
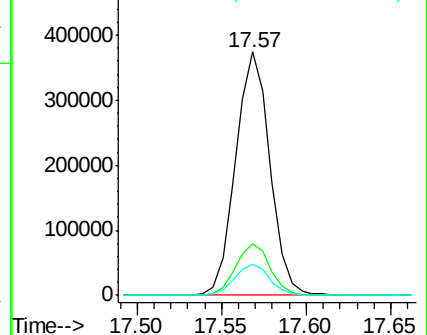
139 12.8 10.2 15.2



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



#74

Fluoranthene

Concen: 7.83 ng/ul

RT: 19.22 min Scan# 2811

Delta R.T. -0.01 min

Lab File: BM005256.D

Acq: 06 May 2016 04:11

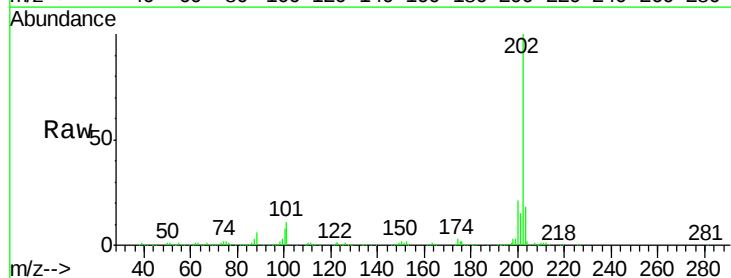
Tgt Ion:202 Resp: 334458

Ion Ratio Lower Upper

202 100

101 11.3 9.2 13.8

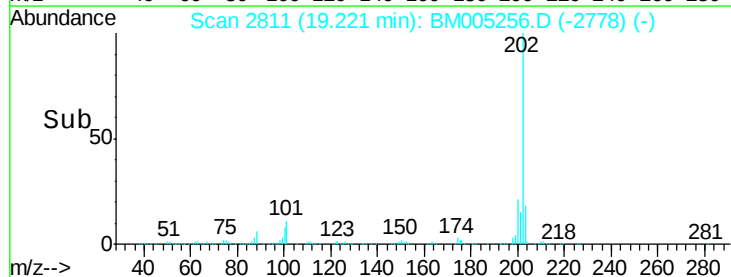
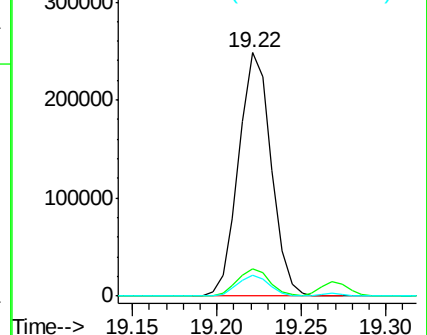
100 8.5 7.1 10.7

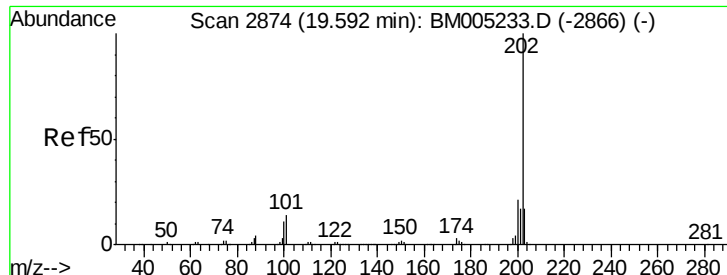


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

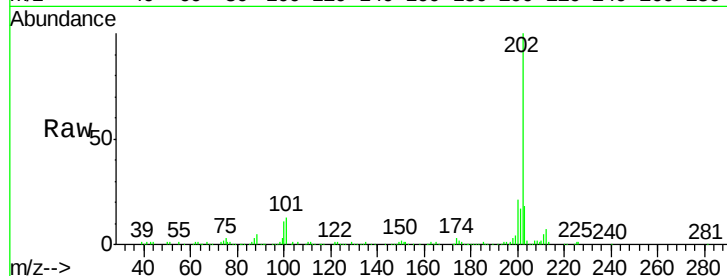




#77
 Pyrene
 Concen: 3.98 ng/ul
 RT: 19.59 min Scan# 2873
 Delta R.T. -0.01 min
 Lab File: BM005256.D
 Acq: 06 May 2016 04:11

Instrument :
 BNA_M
 ClientSampleId :
 BC7T4

Tgt Ion:	202	Resp:	203047
Ion	Ratio	Lower	Upper
202	100		
101	12.6	10.8	16.2
100	10.9	8.4	12.6



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

