

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\
 Data File : BM005101.D
 Acq On : 27 Apr 2016 17:39
 Operator : UM/SJ
 Sample : H2584-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC7Q1

Quant Time: Apr 28 04:17:35 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 28 04:13:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	76541	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	294199	20.00	ng/ul	0.03
35) Acenaphthene-d10	14.44	164	206720	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	464891	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	483177	20.00	ng/ul	0.00
83) Perylene-d12	23.66	264	380277	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	2377	1.58	ng/uL	0.00
5) Phenol-d5	6.97	99	53819	8.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	113648	31.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	131855	26.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	97909	18.24	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	81135	39.82	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	91516	40.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	159086	36.84	ng/ul	0.02
29) 4-Chloroaniline-d4	10.75	131	7953	1.57	ng/ul	0.02
43) Dimethylphthalate-d6	13.85	166	536849	32.88	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	637069	32.77	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	27646	9.69	ng/ul	0.00
57) Fluorene-d10	15.43	176	460983	32.13	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	80097	30.29	ng/ul	0.00
70) Anthracene-d10	17.29	188	712829	34.19	ng/ul	0.00
76) Pyrene-d10	19.58	212	789838	35.91	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.52	264	566810	33.27	ng/ul	0.00

Target Compounds

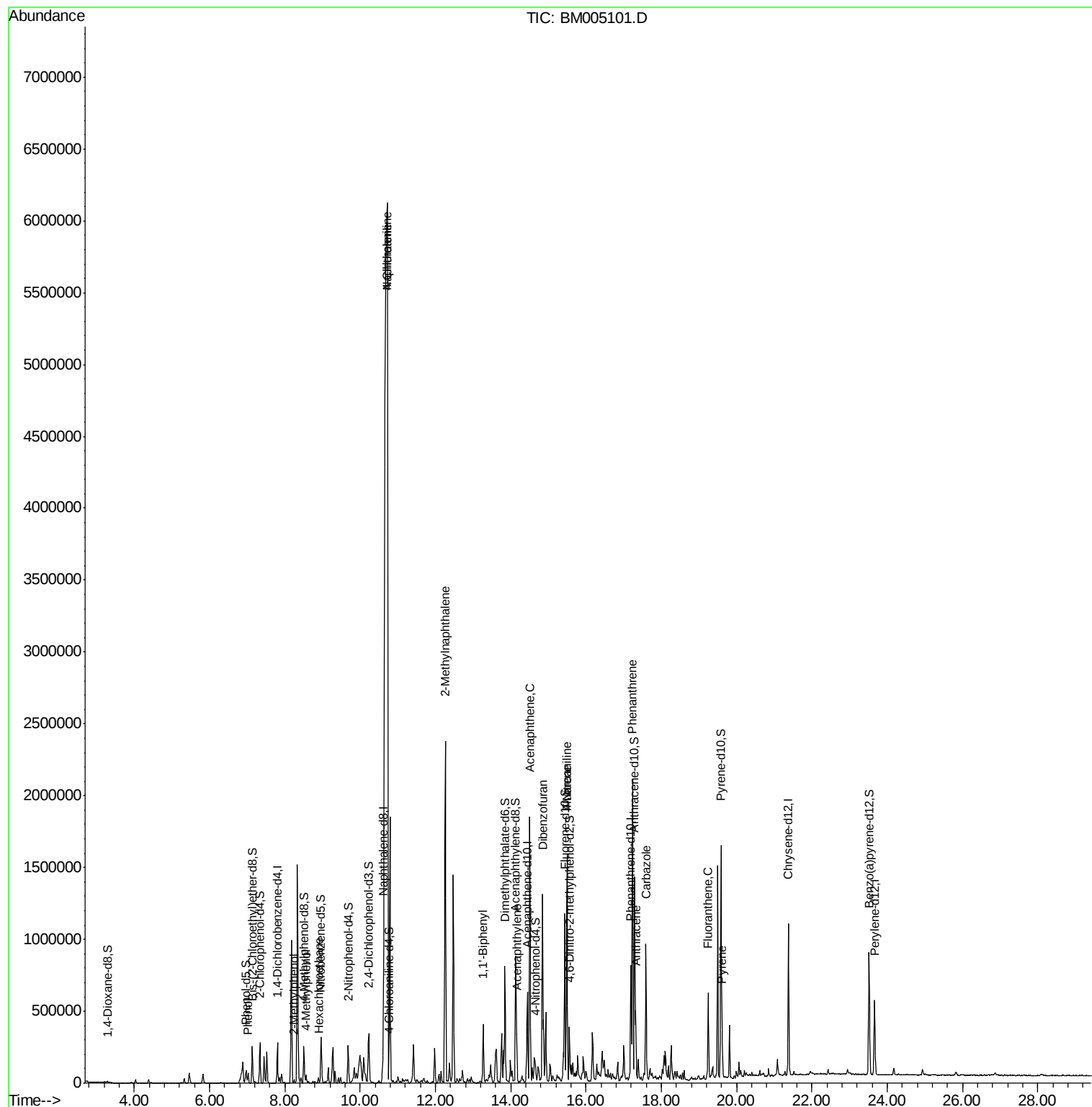
						Ovalue
6) Phenol	7.00	94	7552	1.14	ng/ul	97
11) 2-Methylphenol	8.25	108	8878	1.72	ng/ul	95
16) 4-Methylphenol	8.56	108	22145	3.86	ng/ul	95
17) Hexachloroethane	8.90	117	5203	2.54	ng/ul#	3
28) Naphthalene	10.72	128	15915496	1072.61	ng/ul	97
30) 4-Chloroaniline	10.72	127	2281403	442.68	ng/ul#	20
34) 2-Methylnaphthalene	12.26	142	1228384	111.84	ng/ul	99
40) 1,1'-Biophenyl	13.27	154	213274	13.04	ng/ul	99
47) Acenaphthylene	14.16	152	163659	7.96	ng/ul	98
49) Acenaphthene	14.50	153	774289	57.21	ng/ul	99
53) Dibenzofuran	14.84	168	817789	40.97	ng/ul	99
58) Fluorene	15.49	166	736539	47.53	ng/ul	99
60) 4-Nitroaniline	15.49	138	8477	2.44	ng/ul#	15
69) Phenanthrene	17.23	178	1339216	54.13	ng/ul	99
71) Anthracene	17.32	178	298305	11.96	ng/ul	99
72) Carbazole	17.59	167	609563	28.50	ng/ul	99
74) Fluoranthene	19.24	202	324560	11.92	ng/ul	100
77) Pyrene	19.61	202	195399	7.00	ng/ul	99

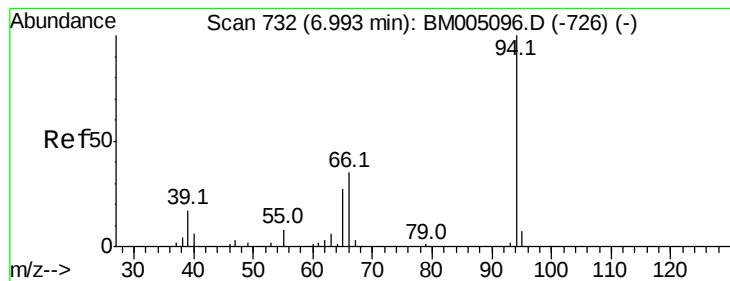
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 1.14 ng/ul

RT: 7.00 min Scan# 733

Delta R.T. 0.01 min

Lab File: BM005101.D

Acq: 27 Apr 2016 17:39

Instrument :

BNA_M

ClientSampleId :

BC7Q1

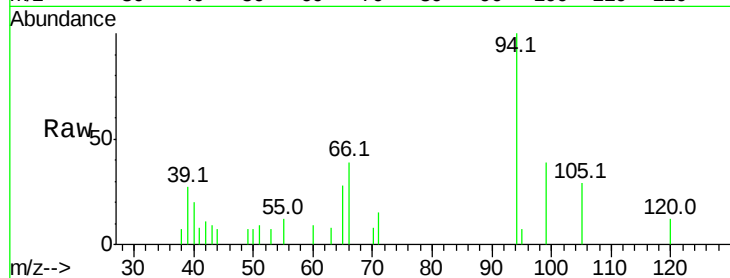
Tot Ion: 94 Resp: 7552

Ion Ratio Lower Upper

94 100

65 28.3 21.6 32.4

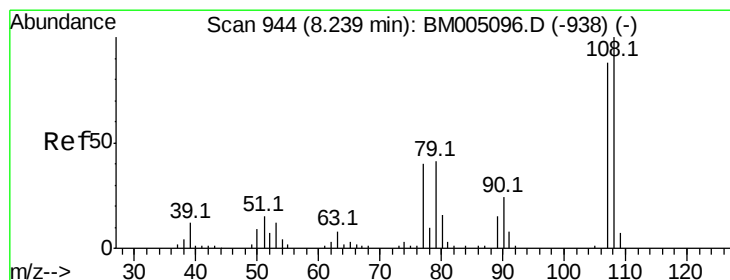
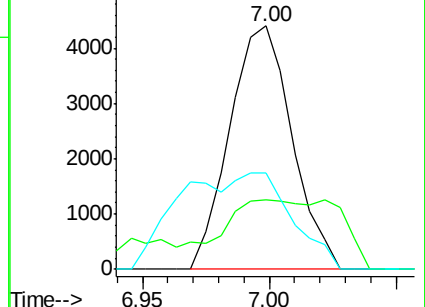
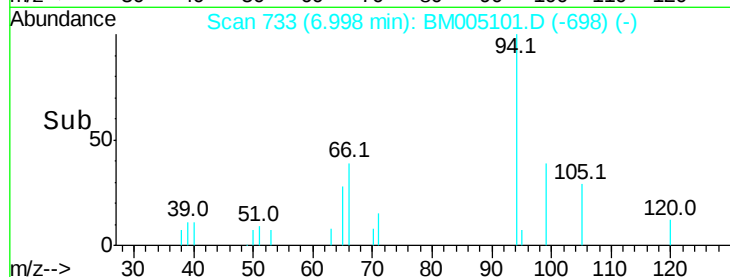
66 39.5 29.6 44.4



Abundance Ion 94.00 (93.70 to 94.70): BM005101.D (-698) (-)

Ion 65.00 (64.70 to 65.70): BM005101.D (-698) (-)

Ion 66.00 (65.70 to 66.70): BM005101.D (-698) (-)



#11

2-Methylphenol

Concen: 1.72 ng/ul

RT: 8.25 min Scan# 945

Delta R.T. 0.01 min

Lab File: BM005101.D

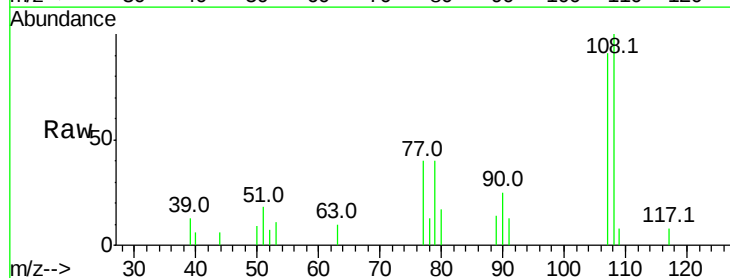
Acq: 27 Apr 2016 17:39

Tgt Ion:108 Resp: 8878

Ion Ratio Lower Upper

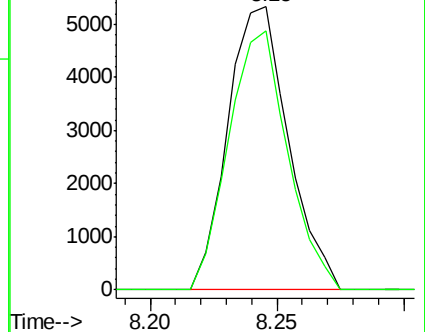
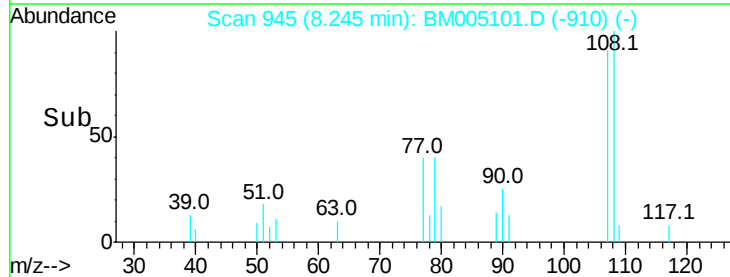
108 100

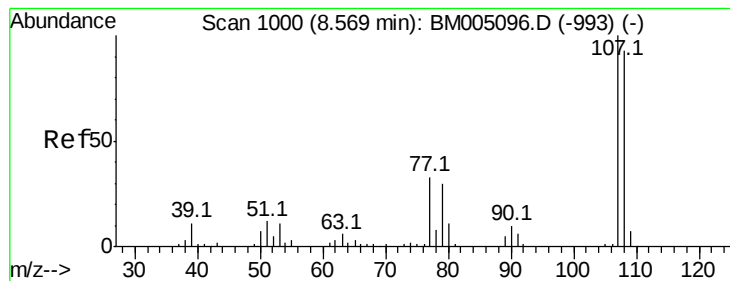
107 91.4 69.4 104.0



Abundance Ion 108.00 (107.70 to 108.70): BM005101.D (-910) (-)

Ion 107.00 (106.70 to 107.70): BM005101.D (-910) (-)





#16

4-Methylphenol

Concen: 3.86 ng/ul

RT: 8.56 min Scan# 999

Delta R.T. -0.01 min

Lab File: BM005101.D

Acq: 27 Apr 2016 17:39

Instrument :

BNA_M

ClientSampleId :

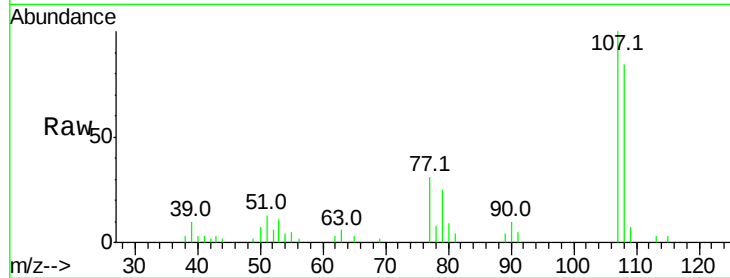
BC7Q1

Tot Ion:108 Resp: 22145

Ion Ratio Lower Upper

108 100

107 119.7 91.0 136.6



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.56

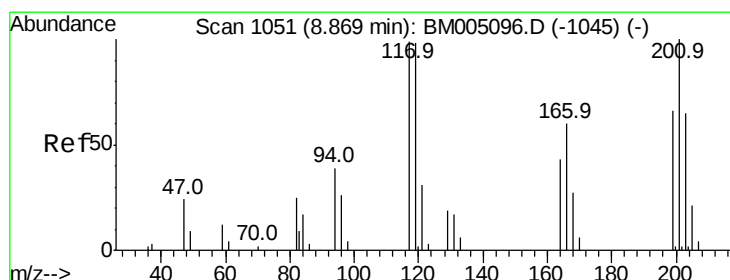
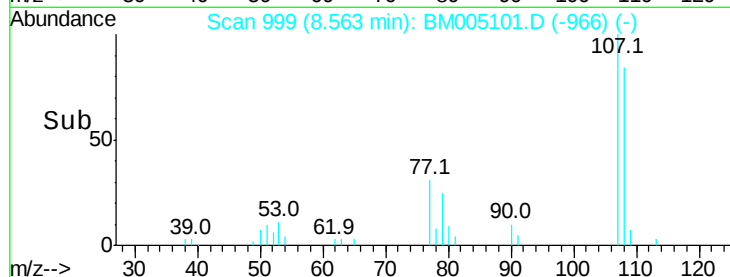
15000

10000

5000

0

Time--> 8.50 8.55 8.60



#17

Hexachloroethane

Concen: 2.54 ng/ul

RT: 8.90 min Scan# 1056

Delta R.T. 0.03 min

Lab File: BM005101.D

Acq: 27 Apr 2016 17:39

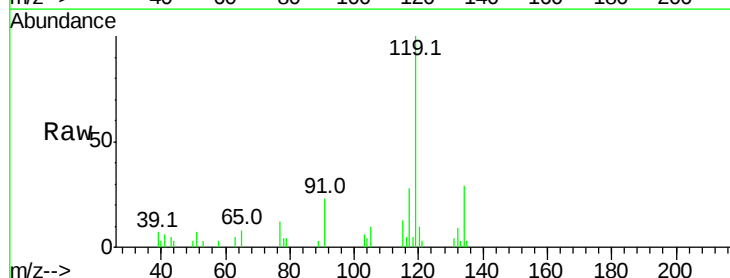
Tgt Ion:117 Resp: 5203

Ion Ratio Lower Upper

117 100

201 0.0 88.5 132.7#

199 0.0 55.4 83.2#



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

8.90

4000

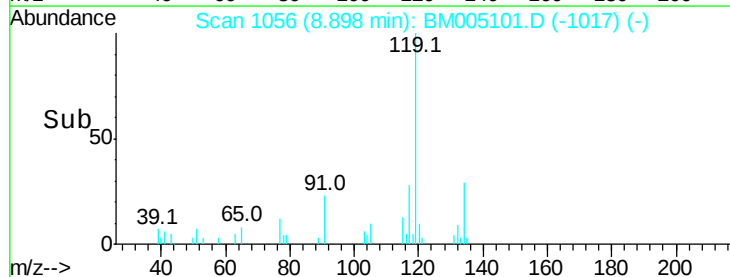
3000

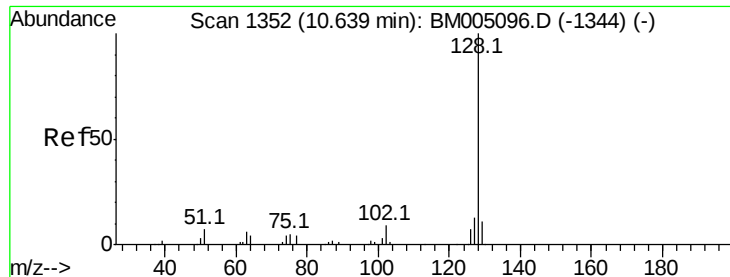
2000

1000

0

Time--> 8.86 8.88 8.90 8.92 8.94





#28

Naphthalene

Concen: 1072.61 ng/ul

RT: 10.72 min Scan# 1366

Delta R.T. 0.08 min

Lab File: BM005101.D

Acq: 27 Apr 2016 17:39

Instrument :

BNA_M

ClientSampleId :

BC7Q1

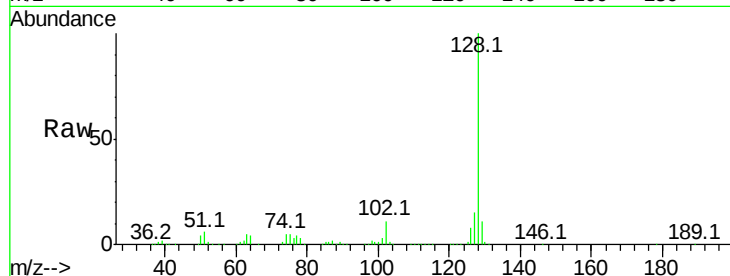
Tot Ion:128 Resp:15915496

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

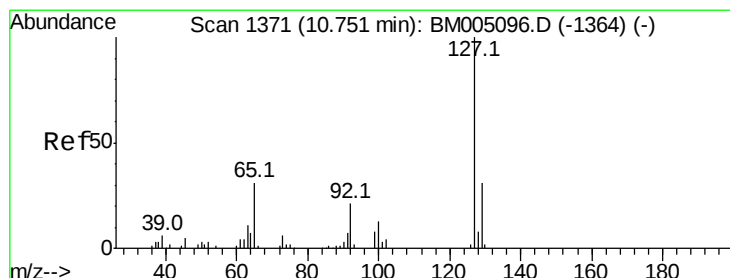
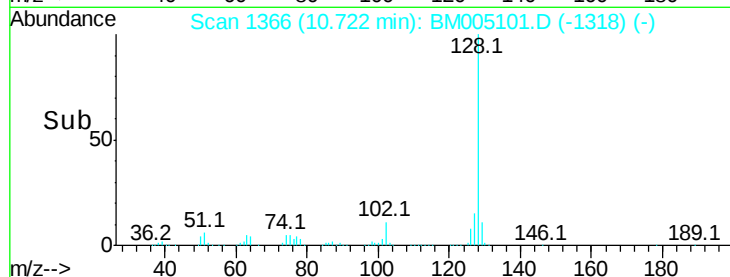
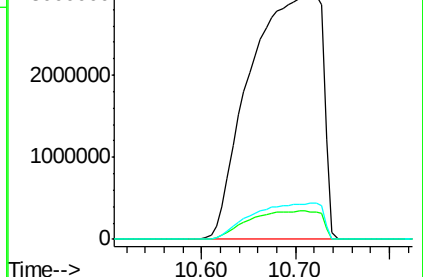
127 14.7 10.6 15.8



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: 442.68 ng/ul

RT: 10.72 min Scan# 1365

Delta R.T. -0.04 min

Lab File: BM005101.D

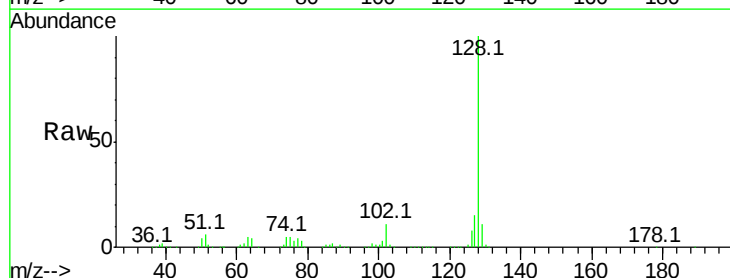
Acq: 27 Apr 2016 17:39

Tgt Ion:127 Resp: 2281403

Ion Ratio Lower Upper

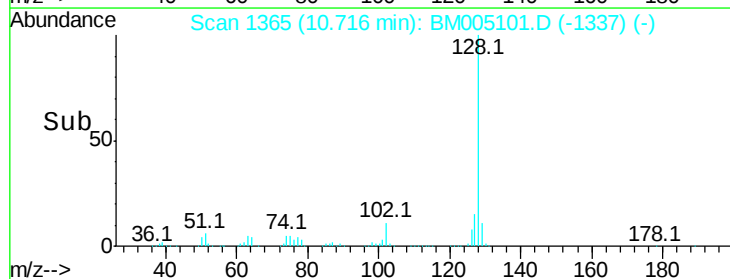
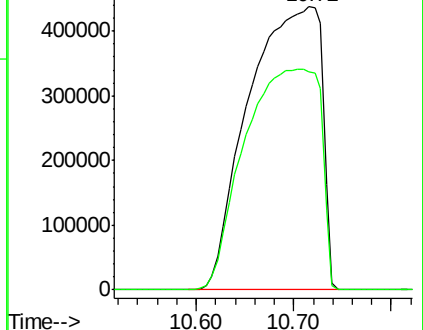
127 100

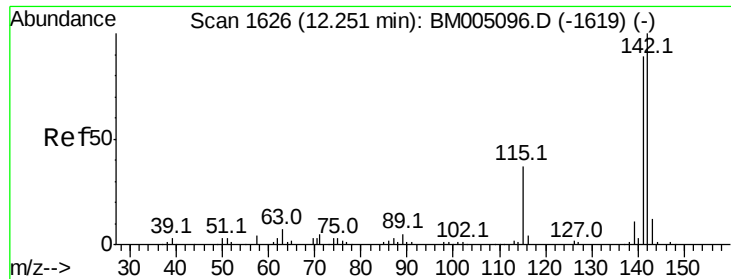
129 77.2 26.0 39.0#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

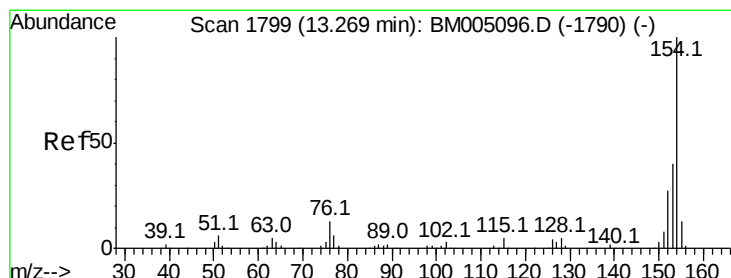
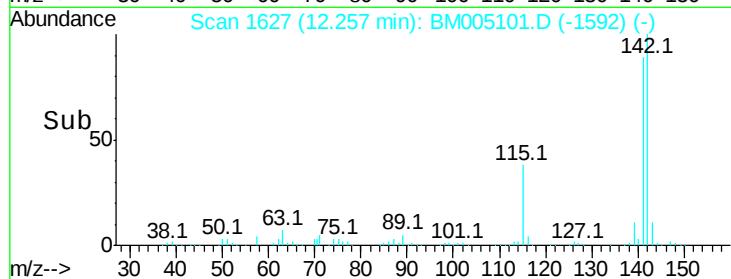
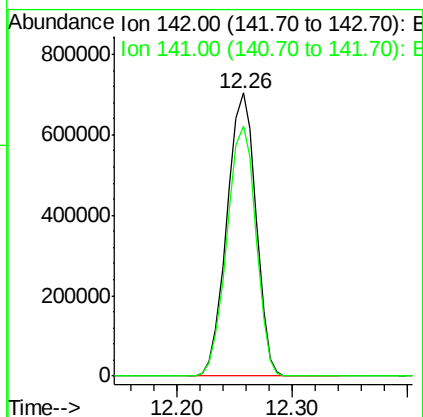
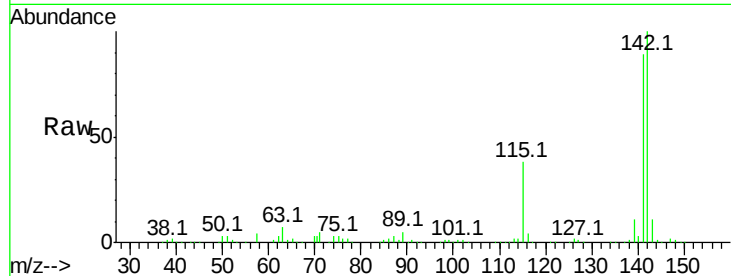




#34
 2-Methylnaphthalene
 Concen: 111.84 ng/ul
 RT: 12.26 min Scan# 1627
 Delta R.T. 0.01 min
 Lab File: BM005101.D
 Acq: 27 Apr 2016 17:39

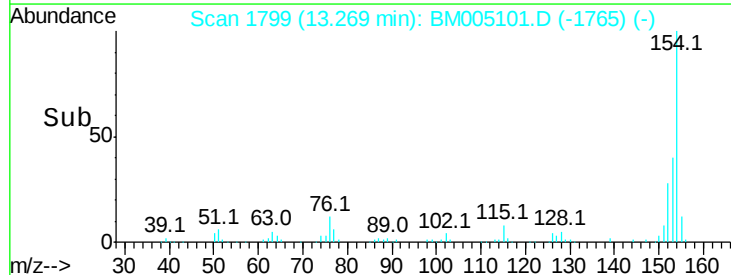
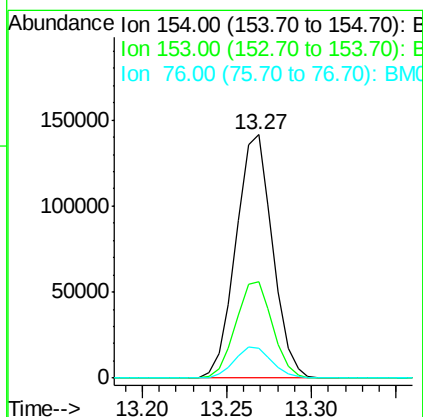
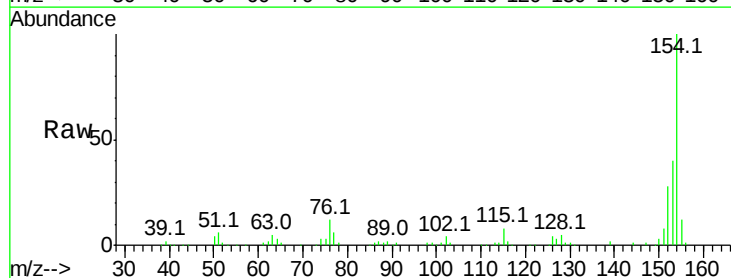
Instrument :
 BNA_M
 ClientSampleId :
 BC7Q1

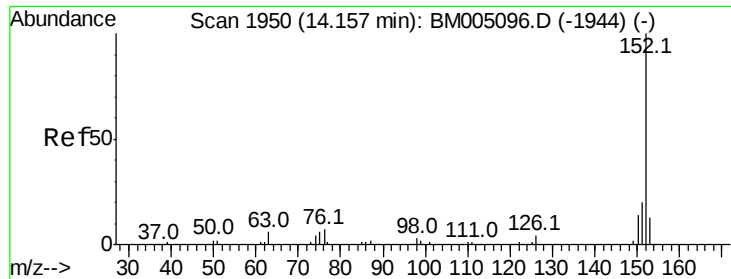
Tot Ion:142 Resp: 1228384
 Ion Ratio Lower Upper
 142 100
 141 88.6 70.3 105.5



#40
 1,1'-Biphenyl
 Concen: 13.04 ng/ul
 RT: 13.27 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: BM005101.D
 Acq: 27 Apr 2016 17:39

Tgt Ion:154 Resp: 213274
 Ion Ratio Lower Upper
 154 100
 153 39.8 31.5 47.3
 76 12.4 10.1 15.1





#47

Acenaphthylene

Concen: 7.96 ng/ul

RT: 14.16 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BM005101.D

Acq: 27 Apr 2016 17:39

Instrument :

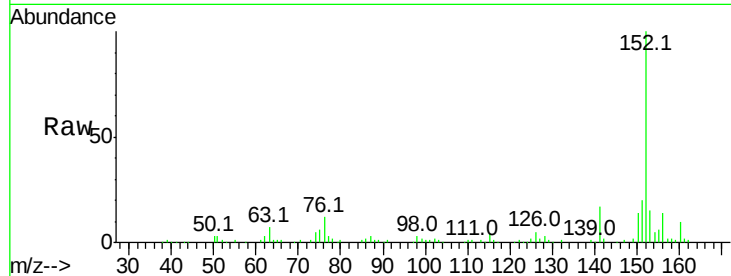
BNA_M

ClientSampleId :

BC7Q1

Tot Ion:152 Resp: 163659

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	14.6	10.3	15.5

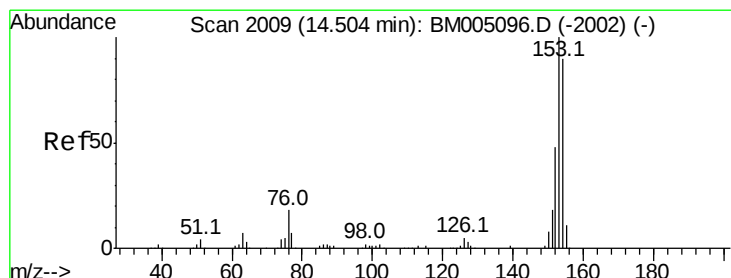
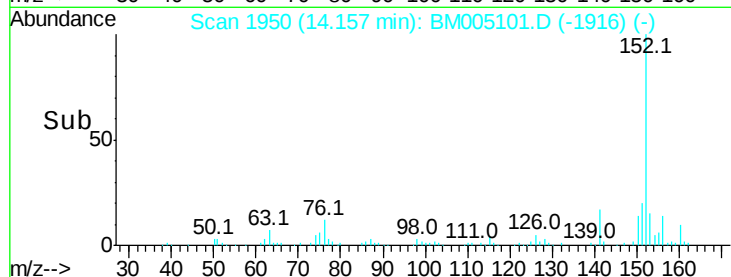
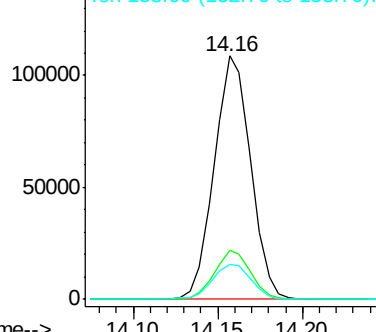


Abundance

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: 57.21 ng/ul

RT: 14.50 min Scan# 2009

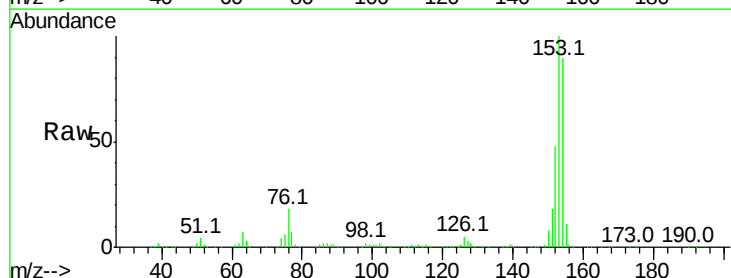
Delta R.T. 0.00 min

Lab File: BM005101.D

Acq: 27 Apr 2016 17:39

Tgt Ion:153 Resp: 774289

Ion	Ratio	Lower	Upper
153	100		
152	47.9	37.7	56.5
154	89.7	71.4	107.2

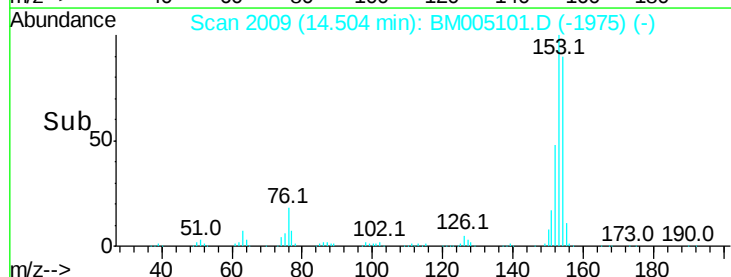
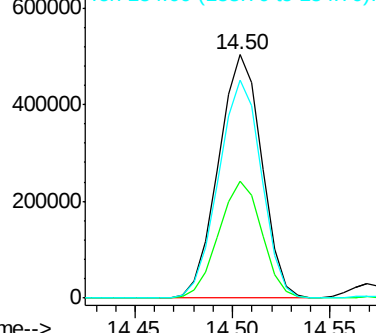


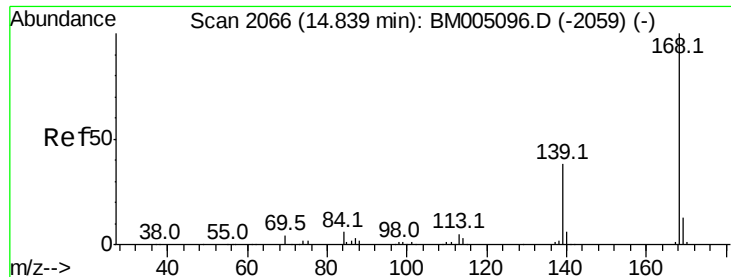
Abundance

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

Dibenzo(furan)

Concen: 40.97 ng/ul

RT: 14.84 min Scan# 2066

Delta R.T. 0.00 min

Lab File: BM005101.D

Acq: 27 Apr 2016 17:39

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ClientSampleId :

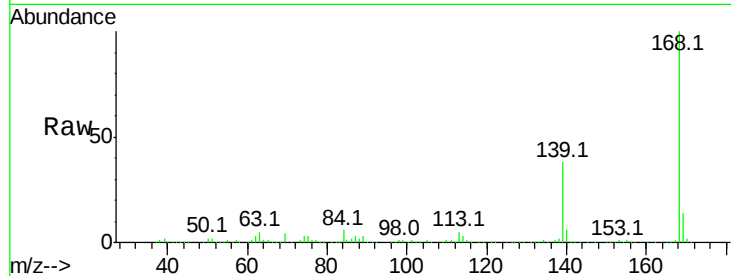
BC7Q1

Tot Ion:168 Resp: 817789

Ion Ratio Lower Upper

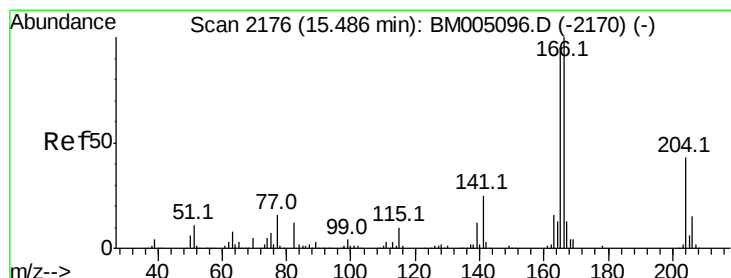
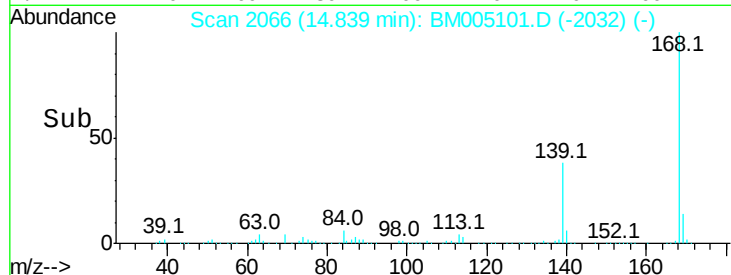
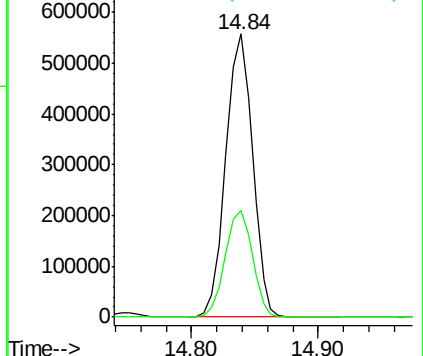
168 100

139 37.8 29.9 44.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 47.53 ng/ul

RT: 15.49 min Scan# 2177

Delta R.T. 0.01 min

Lab File: BM005101.D

Acq: 27 Apr 2016 17:39

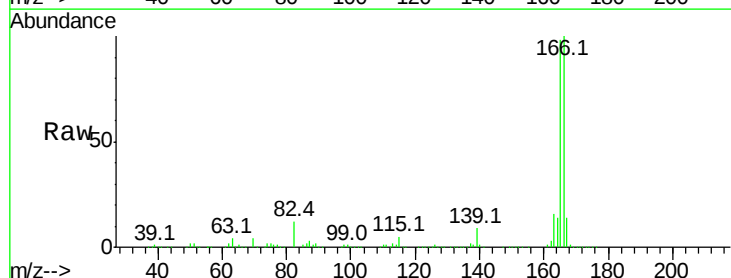
Tgt Ion:166 Resp: 736539

Ion Ratio Lower Upper

166 100

165 97.9 77.7 116.5

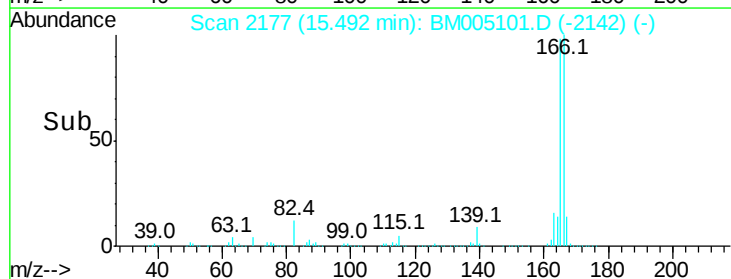
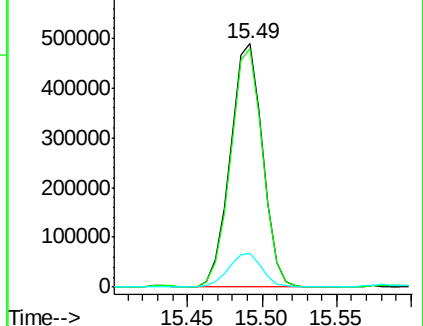
167 13.8 10.9 16.3

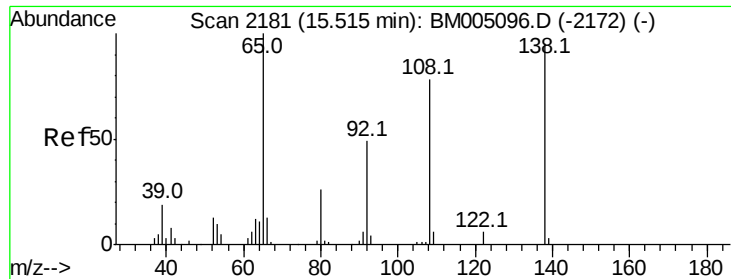


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

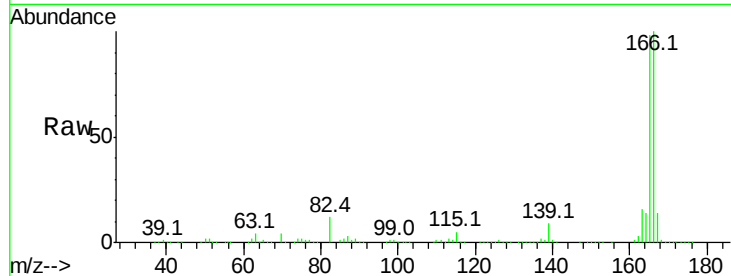




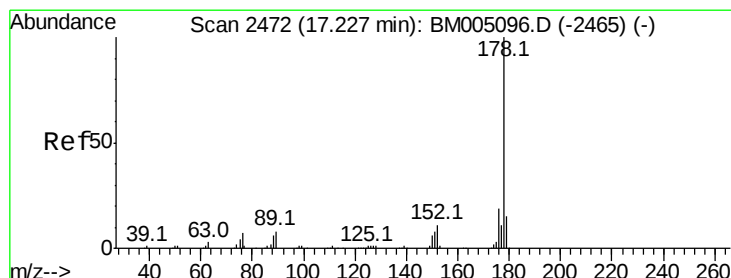
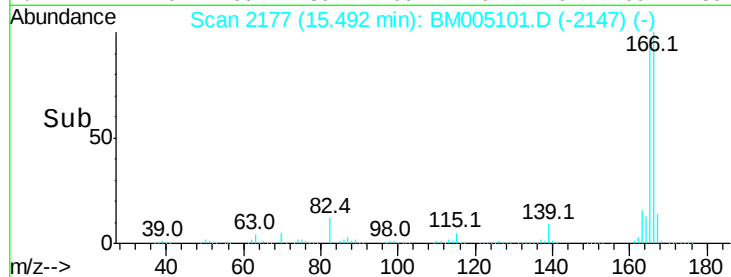
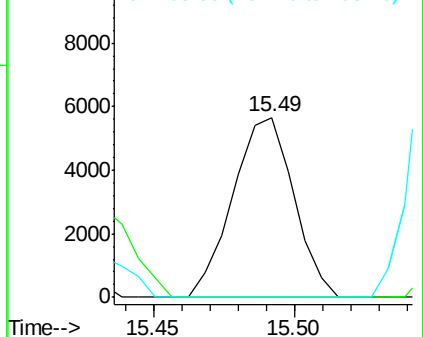
#60
4-Nitroaniline
Concen: 2.44 ng/ul
RT: 15.49 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BM005101.D
Acq: 27 Apr 2016 17:39

Instrument :
BNA_M
ClientSampleId :
BC7Q1

Tot Ion:138 Resp: 8477
Ion Ratio Lower Upper
138 100
92 0.0 41.0 61.6#
108 0.0 66.8 100.2#

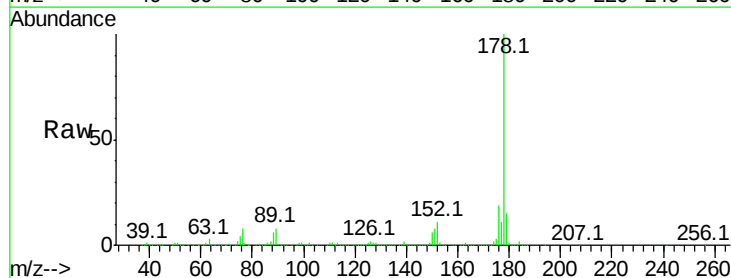


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E

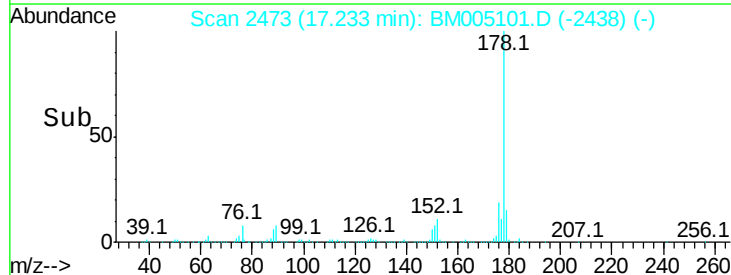
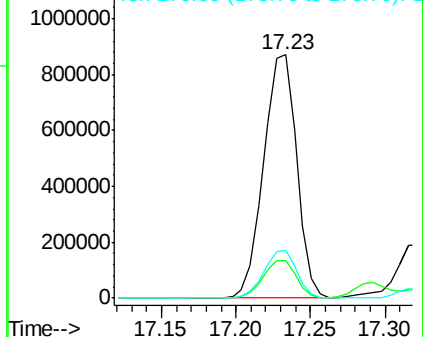


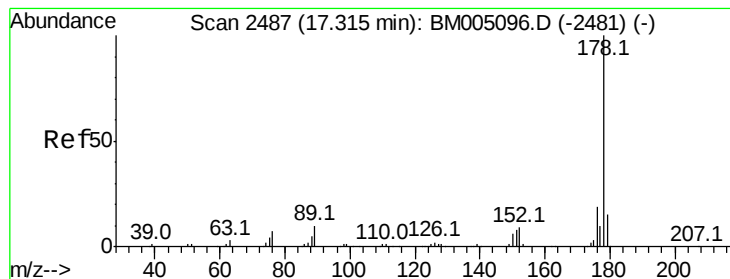
#69
Phenanthrene
Concen: 54.13 ng/ul
RT: 17.23 min Scan# 2473
Delta R.T. 0.01 min
Lab File: BM005101.D
Acq: 27 Apr 2016 17:39

Tgt Ion:178 Resp: 1339216
Ion Ratio Lower Upper
178 100
179 15.3 11.8 17.8
176 19.4 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: 11.96 ng/ul

RT: 17.32 min Scan# 2488

Delta R.T. 0.01 min

Lab File: BM005101.D

Acq: 27 Apr 2016 17:39

Instrument :

BNA_M

ClientSampleId :

BC7Q1

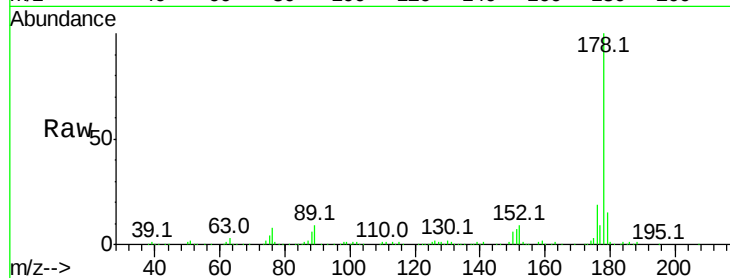
Tot Ion:178 Resp: 298305

Ion Ratio Lower Upper

178 100

179 15.4 12.1 18.1

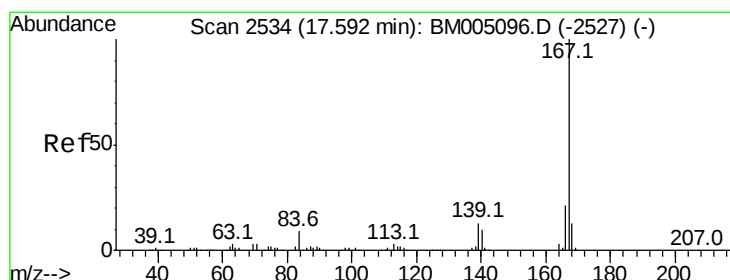
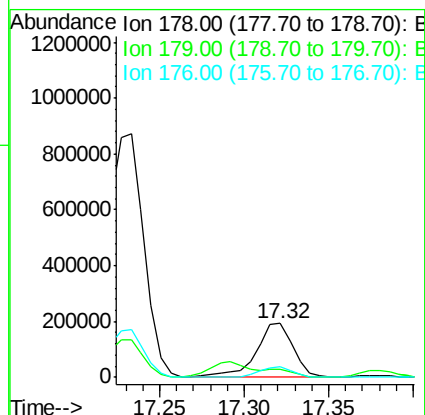
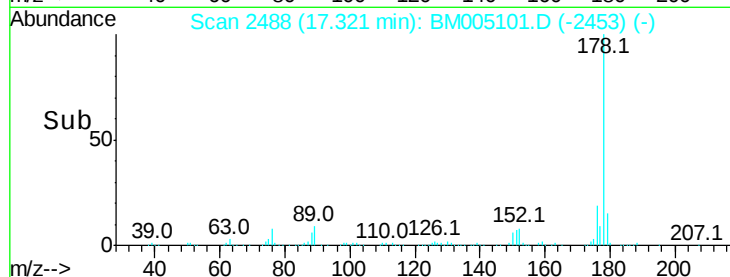
176 18.7 14.6 22.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Carbazole

Concen: 28.50 ng/ul

RT: 17.59 min Scan# 2534

Delta R.T. 0.00 min

Lab File: BM005101.D

Acq: 27 Apr 2016 17:39

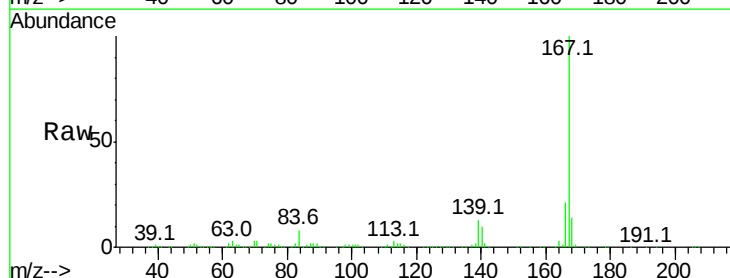
Tgt Ion:167 Resp: 609563

Ion Ratio Lower Upper

167 100

166 21.1 16.6 25.0

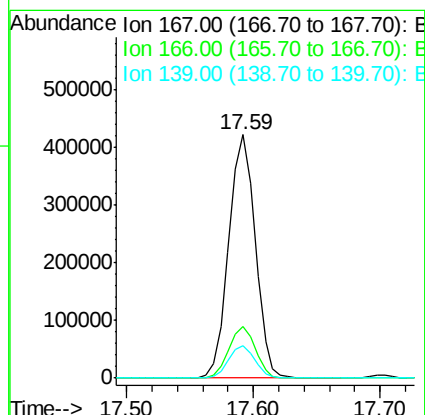
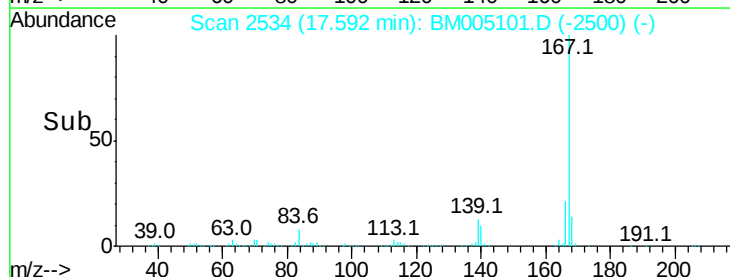
139 13.1 10.2 15.4

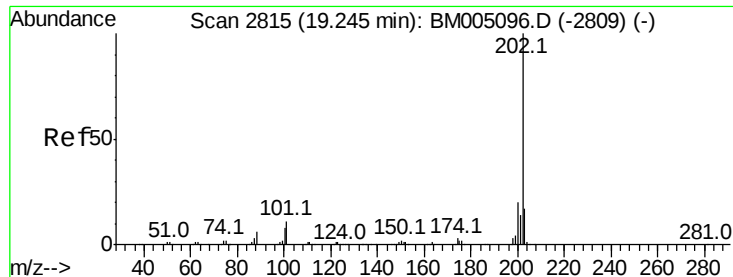


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 11.92 ng/ul

RT: 19.24 min Scan# 2815

Delta R.T. 0.00 min

Lab File: BM005101.D

Acq: 27 Apr 2016 17:39

Instrument :

BNA_M

ClientSampleId :

BC7Q1

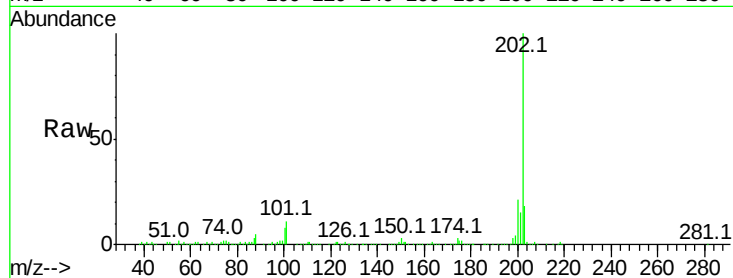
Tot Ion:202 Resp: 324560

Ion Ratio Lower Upper

202 100

101 11.0 9.0 13.4

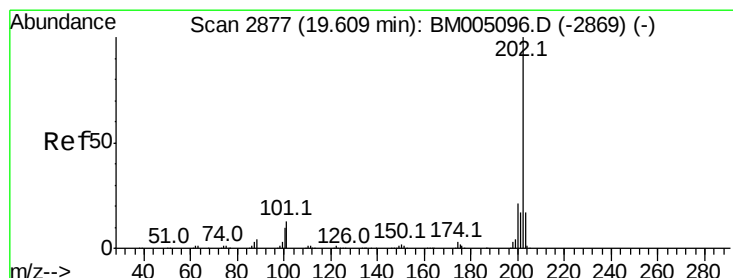
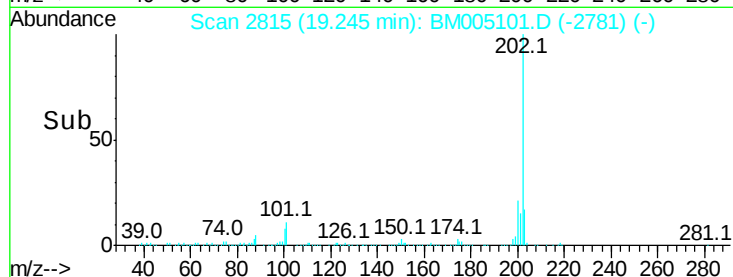
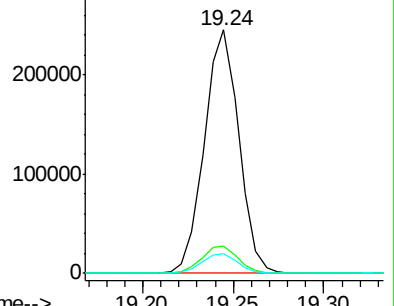
100 8.1 6.6 10.0



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: 7.00 ng/ul

RT: 19.61 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BM005101.D

Acq: 27 Apr 2016 17:39

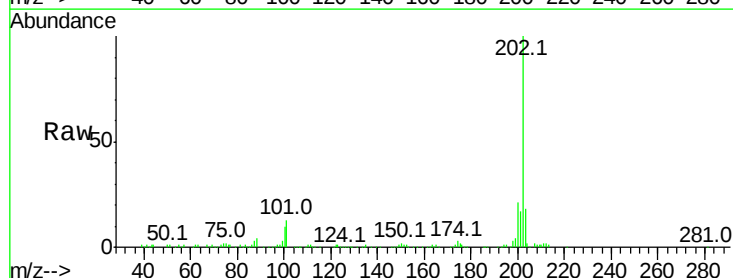
Tgt Ion:202 Resp: 195399

Ion Ratio Lower Upper

202 100

101 12.7 10.5 15.7

100 9.9 8.2 12.2



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

