

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
 Data File : BM003671.D
 Acq On : 21 Dec 2015 01:13
 Operator : UM/SJ
 Sample : G4867-19
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G9DB4

Quant Time: Dec 21 15:00:50 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	24583	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	116368	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.35	164	73113	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.10	188	176891	20.00	ng/ul	0.00
78) Chrysene-d12	21.29	240	222924	20.00	ng/ul	0.00
86) Perylene-d12	23.54	264	196678	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	465	1.02	ng/uL	0.00
5) Phenol-d5	6.87	99	16251	7.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	38758	35.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	50126	29.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	34471	19.21	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	33757	39.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	36818	38.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	60972	35.17	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.76	166	229578	37.99	ng/ul	0.00
47) Acenaphthylene-d8	14.04	160	268794	39.07	ng/ul	0.00
52) 4-Nitrophenol-d4	14.56	143	10594	9.00	ng/ul	0.00
58) Fluorene-d10	15.34	176	196073	39.22	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.47	200	36045	36.15	ng/ul	0.00
71) Anthracene-d10	17.20	188	323378	40.18	ng/ul	0.00
79) Pyrene-d10	19.50	212	378752	38.90	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.40	264	386172	39.53	ng/ul	0.00

Target Compounds

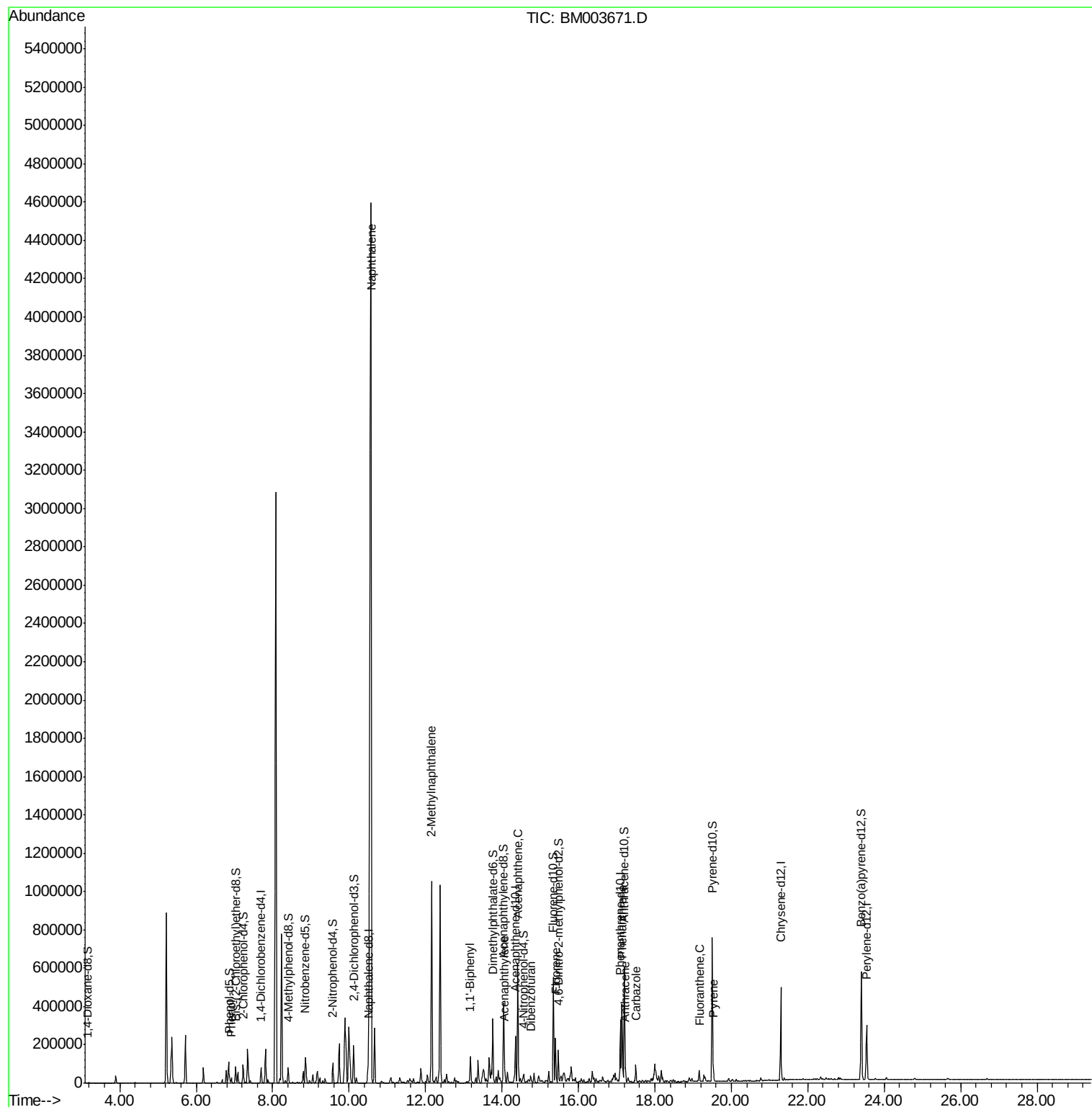
					Ovalue
6) Phenol	6.90	94	3596	1.65	ng/ul 93
28) Naphthalene	10.57	128	6153383	1026.35	ng/ul 98
34) 2-Methylnaphthalene	12.16	142	500101	111.69	ng/ul 100
41) 1,1'-Biphenyl	13.17	154	71418	12.03	ng/ul 100
48) Acenaphthylene	14.07	152	16333	2.17	ng/ul# 83
50) Acenaphthene	14.42	153	254440	50.65	ng/ul 99
54) Dibenzofuran	14.75	168	11808	1.65	ng/ul 94
59) Fluorene	15.40	166	101610	17.65	ng/ul 100
70) Phenanthrene	17.14	178	235619	24.08	ng/ul 99
72) Anthracene	17.23	178	43404	4.35	ng/ul 98
75) Carbazole	17.50	167	54598	5.99	ng/ul 99
77) Fluoranthene	19.16	202	33490	2.98	ng/ul 99
80) Pyrene	19.53	202	48291	3.76	ng/ul 100

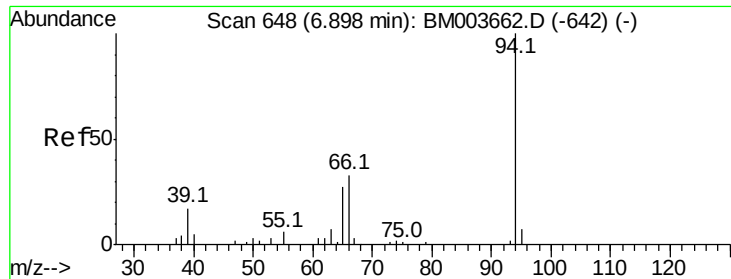
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 1.65 ng/ul

RT: 6.90 min Scan# 648

Delta R.T. 0.00 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

Instrument :

BNA_M

ClientSampleId :

G9DB4

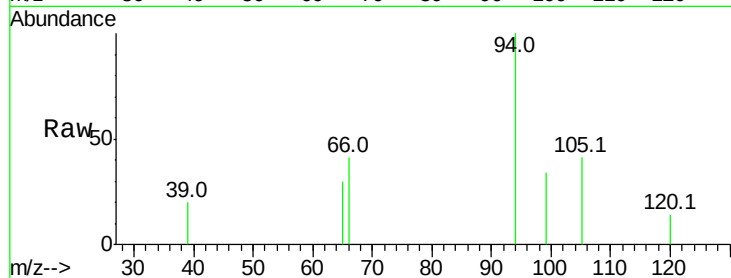
Tot Ion: 94 Resp: 3596

Ion Ratio Lower Upper

94 100

65 30.5 21.0 31.6

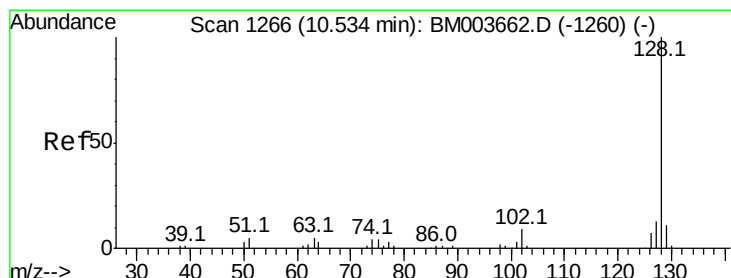
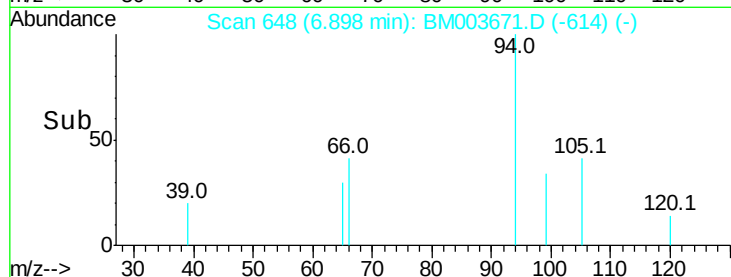
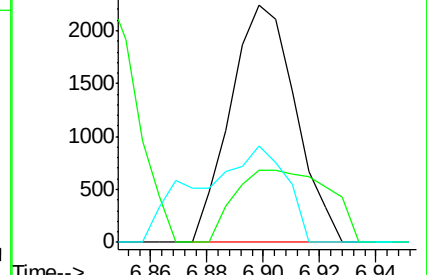
66 40.6 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM003662.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BM003662.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BM003662.D (-642) (-)



#28

Naphthalene

Concen: 1026.35 ng/ul

RT: 10.57 min Scan# 1273

Delta R.T. 0.04 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

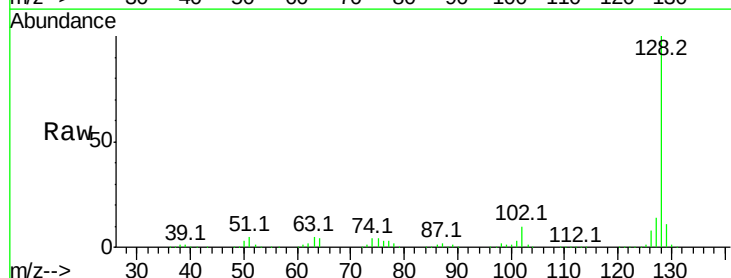
Tgt Ion:128 Resp: 6153383

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

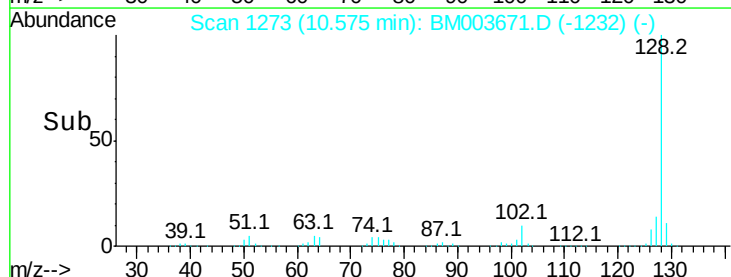
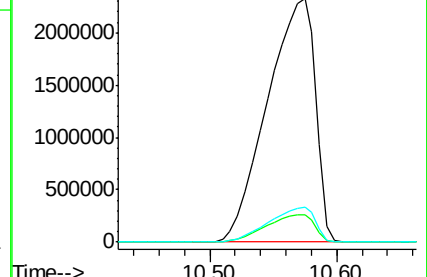
127 14.2 10.5 15.7

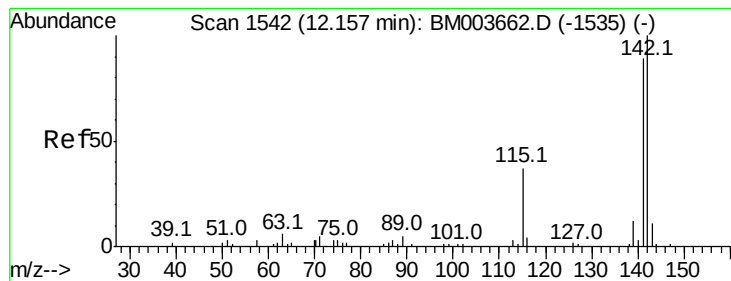


Abundance Ion 128.00 (127.70 to 128.70): BM003662.D (-1260) (-)

Ion 129.00 (128.70 to 129.70): BM003662.D (-1260) (-)

Ion 127.00 (126.70 to 127.70): BM003662.D (-1260) (-)





#34

2-Methylnaphthalene

Concen: 111.69 ng/ul

RT: 12.16 min Scan# 1542

Delta R.T. 0.00 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

Instrument :

BNA_M

ClientSampleId :

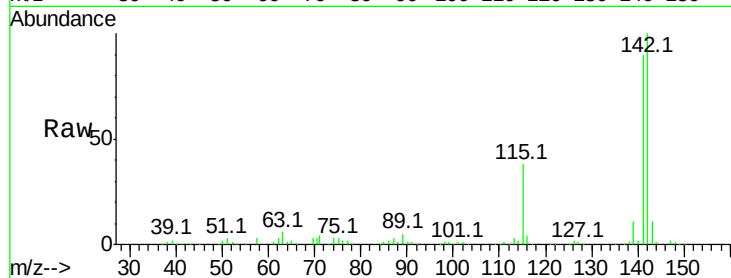
G9DB4

Tot Ion:142 Resp: 500101

Ion Ratio Lower Upper

142 100

141 89.8 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.16

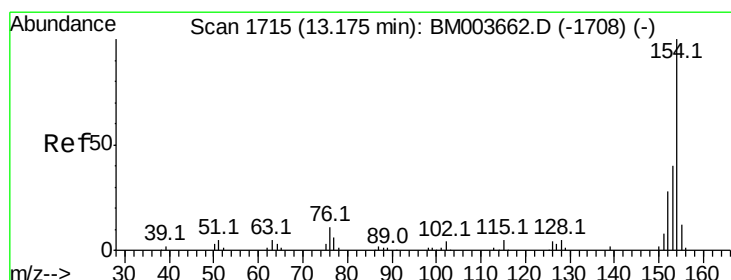
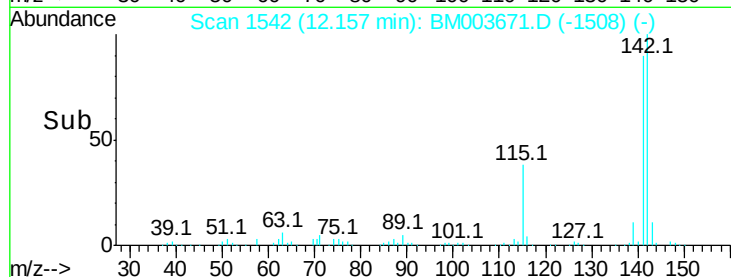
300000

200000

100000

0

Time-->



#41

1,1'-Biphenyl

Concen: 12.03 ng/ul

RT: 13.17 min Scan# 1715

Delta R.T. 0.00 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

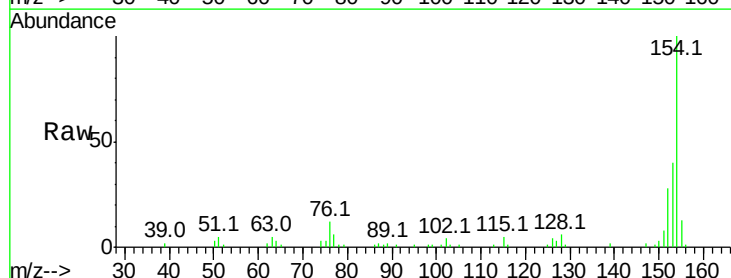
Tgt Ion:154 Resp: 71418

Ion Ratio Lower Upper

154 100

153 39.9 32.1 48.1

76 11.6 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): BM

13.17

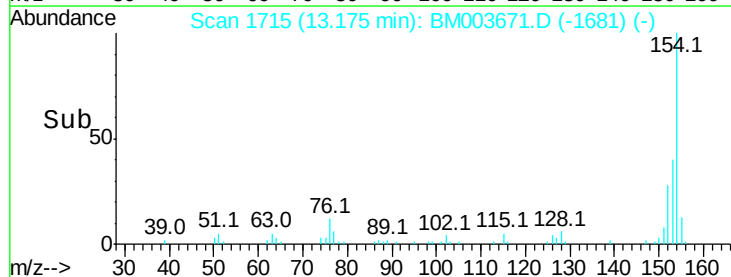
60000

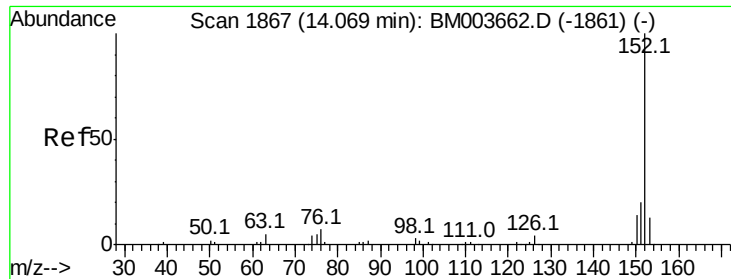
40000

20000

0

Time-->





#48

Acenaphthylene

Concen: 2.17 ng/ul

RT: 14.07 min Scan# 1867

Delta R.T. 0.00 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

Instrument :

BNA_M

ClientSampled :

G9DB4

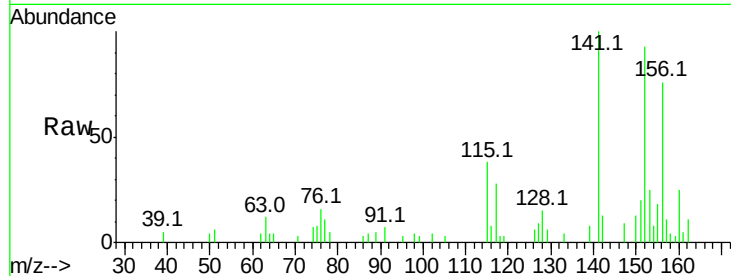
Tot Ion:152 Resp: 16333

Ion Ratio Lower Upper

152 100

151 21.5 15.7 23.5

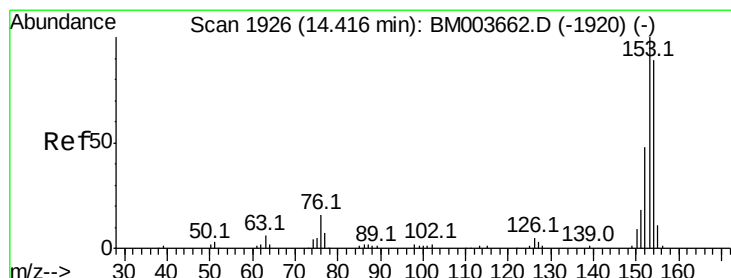
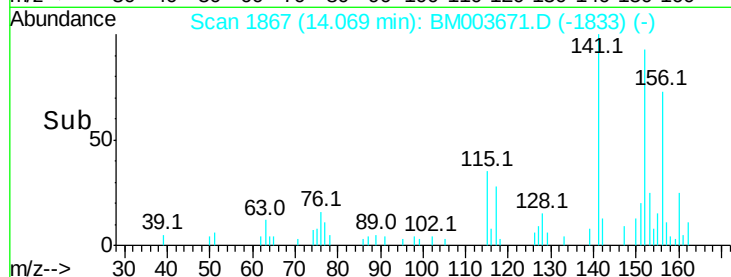
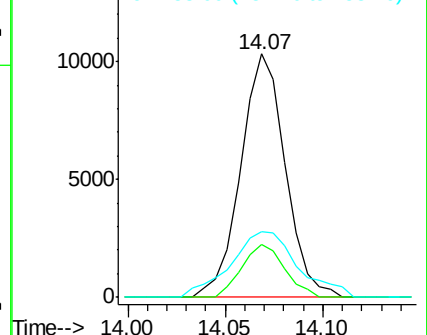
153 27.1 10.5 15.7#



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



#50

Acenaphthene

Concen: 50.65 ng/ul

RT: 14.42 min Scan# 1926

Delta R.T. -0.00 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

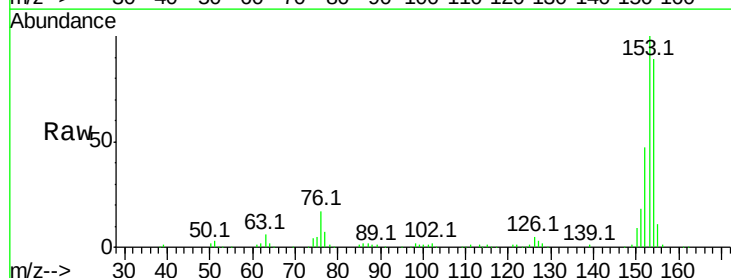
Tgt Ion:153 Resp: 254440

Ion Ratio Lower Upper

153 100

152 47.3 38.3 57.5

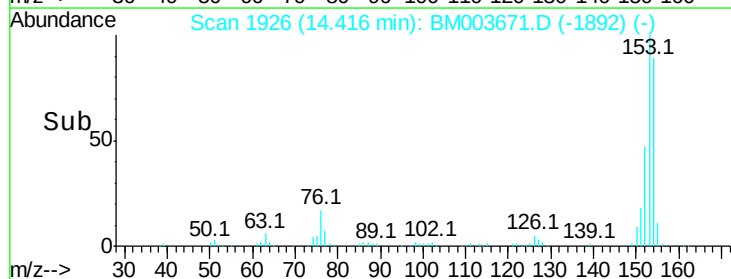
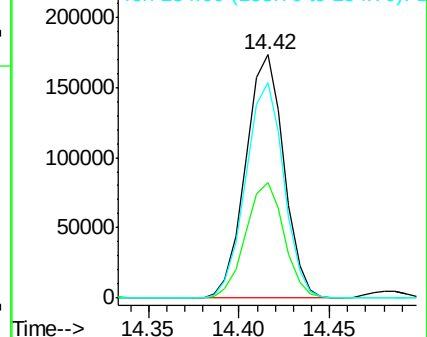
154 88.6 71.8 107.8

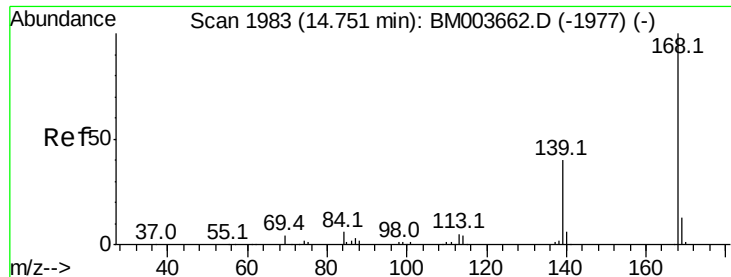


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 1.65 ng/ul

RT: 14.75 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

Instrument :

BNA_M

ClientSampleId :

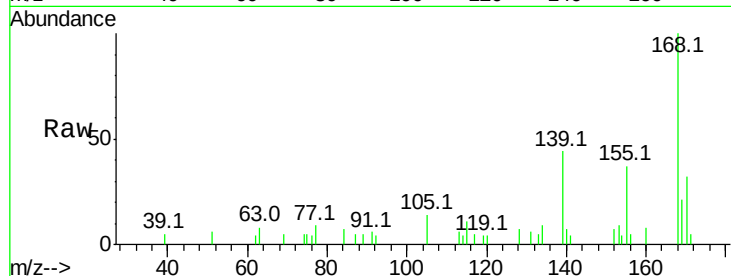
G9DB4

Tot Ion:168 Resp: 11808

Ion Ratio Lower Upper

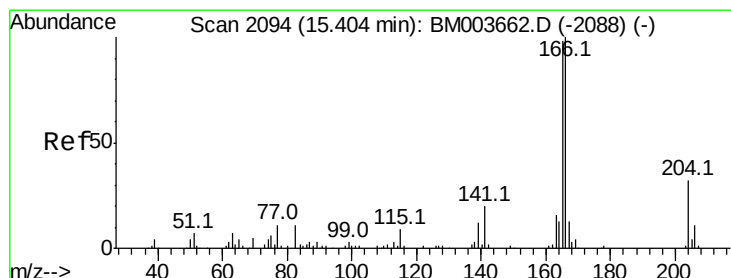
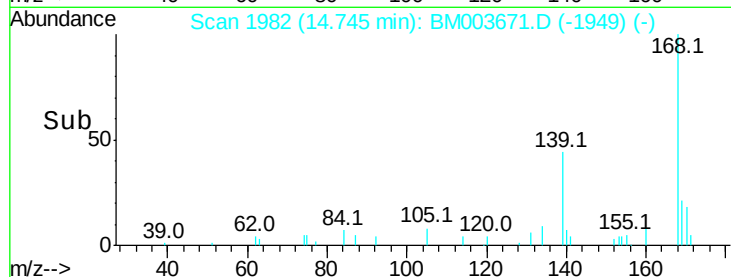
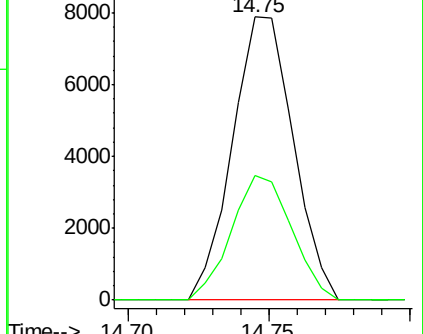
168 100

139 44.0 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: 17.65 ng/ul

RT: 15.40 min Scan# 2093

Delta R.T. -0.01 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

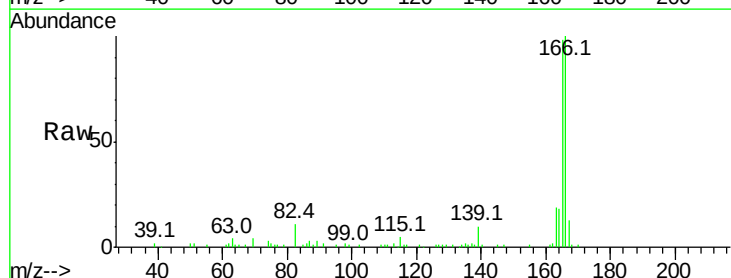
Tgt Ion:166 Resp: 101610

Ion Ratio Lower Upper

166 100

165 97.8 78.5 117.7

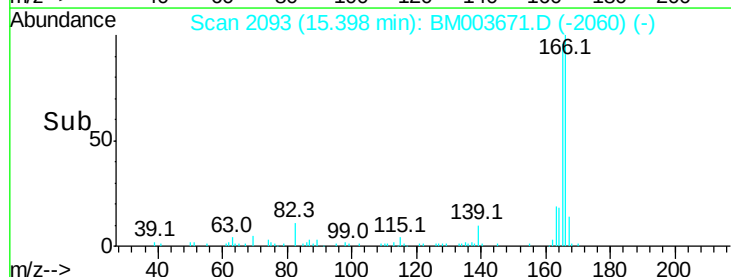
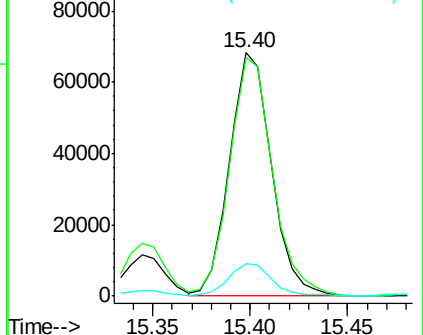
167 13.3 10.7 16.1

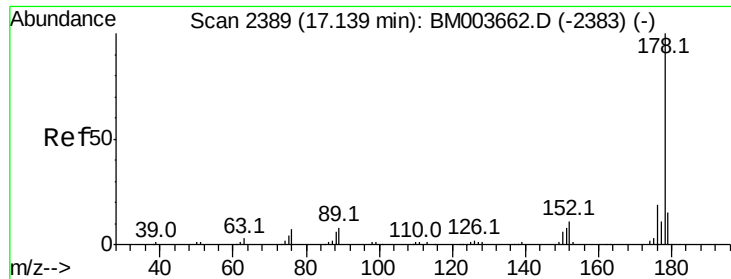


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 24.08 ng/ul

RT: 17.14 min Scan# 2389

Delta R.T. -0.00 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

Instrument :

BNA_M

ClientSampleId :

G9DB4

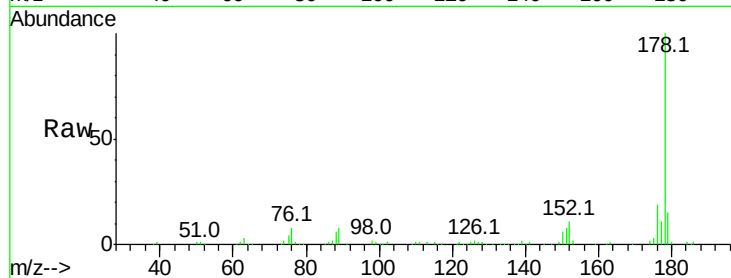
Tot Ion:178 Resp: 235619

Ion Ratio Lower Upper

178 100

179 15.0 12.2 18.4

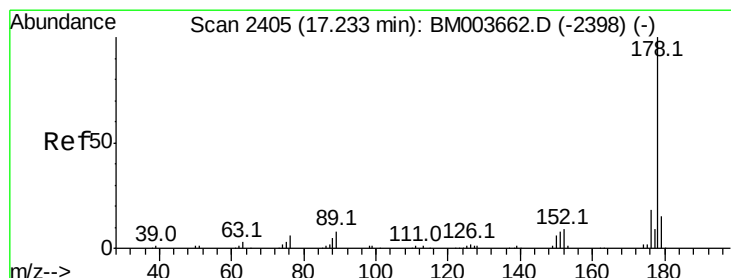
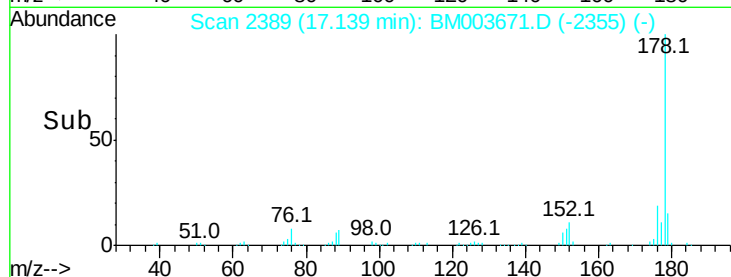
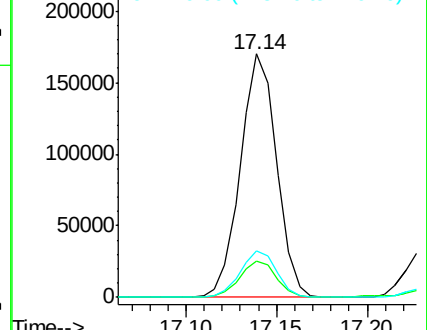
176 19.3 15.6 23.4



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: 4.35 ng/ul

RT: 17.23 min Scan# 2405

Delta R.T. 0.00 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

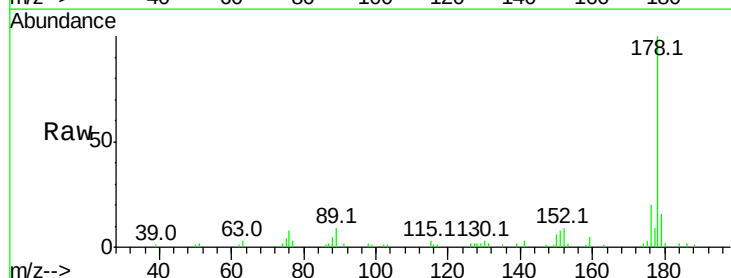
Tgt Ion:178 Resp: 43404

Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

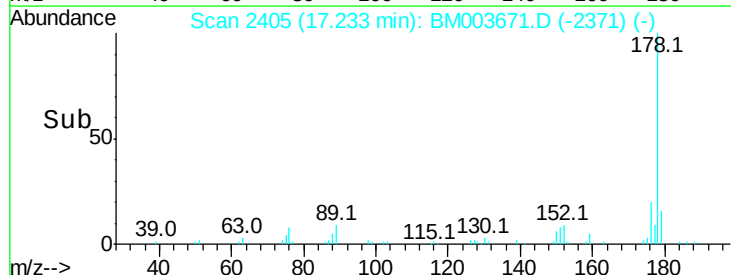
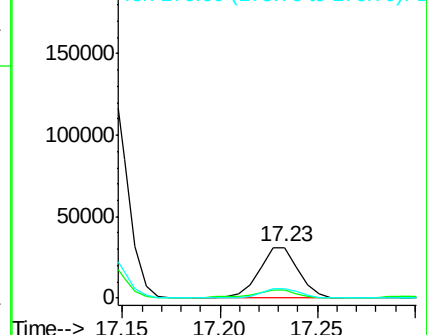
176 19.5 14.8 22.2

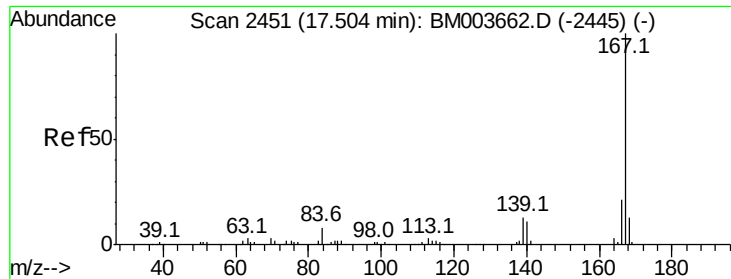


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 5.99 ng/ul

RT: 17.50 min Scan# 2451

Delta R.T. -0.00 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

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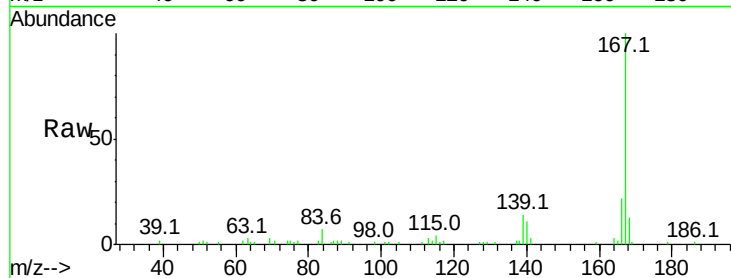
Tot Ion:167 Resp: 54598

Ion Ratio Lower Upper

167 100

166 21.7 17.0 25.6

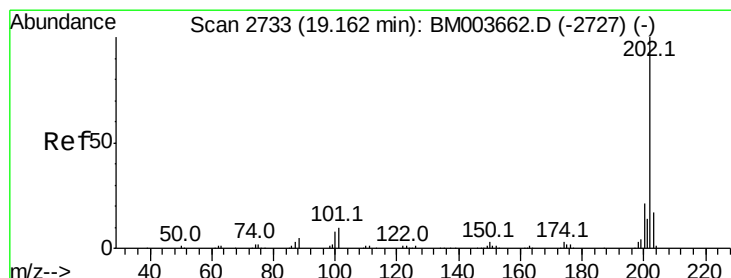
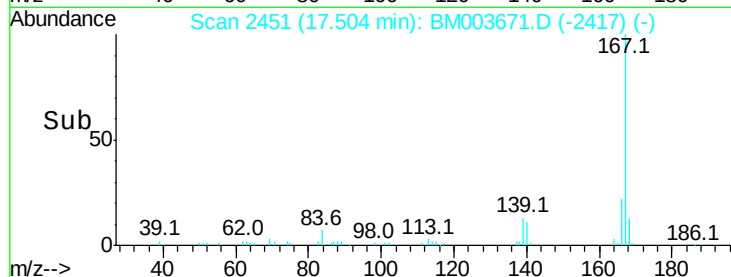
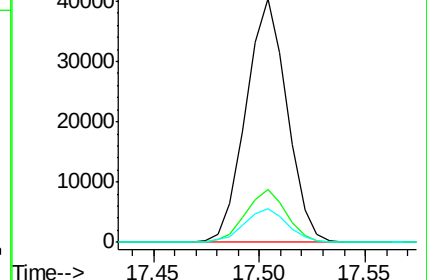
139 14.1 11.0 16.4



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



#77

Fluoranthene

Concen: 2.98 ng/ul

RT: 19.16 min Scan# 2733

Delta R.T. -0.00 min

Lab File: BM003671.D

Acq: 21 Dec 2015 01:13

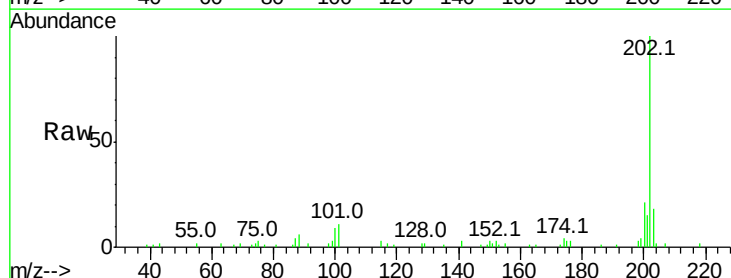
Tgt Ion:202 Resp: 33490

Ion Ratio Lower Upper

202 100

101 11.1 8.8 13.2

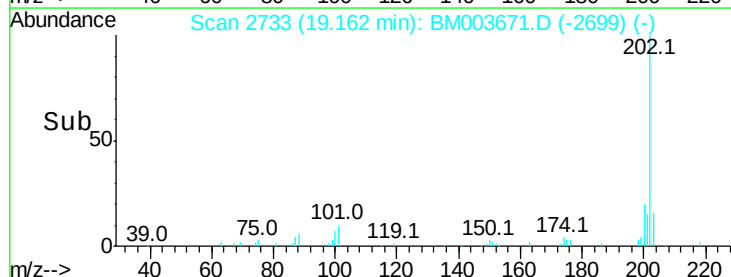
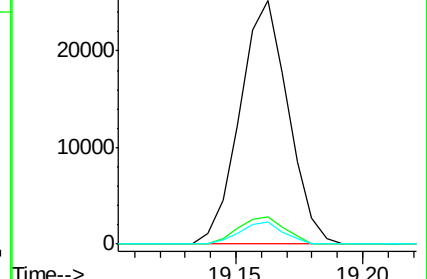
100 8.9 6.6 9.8

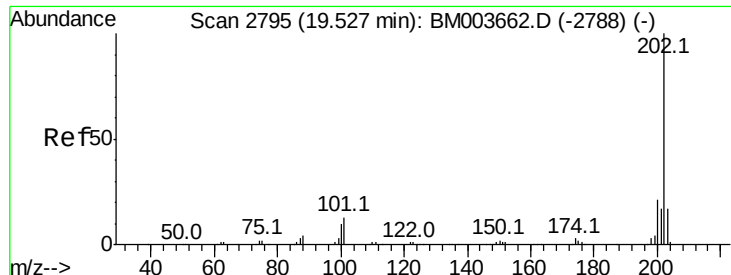


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80

Pvrene

Concen: 3.76 ng/ul

RT: 19.53 min Scan# 2795

Delta R.T. -0.00 min

Lab File: BM003671.D

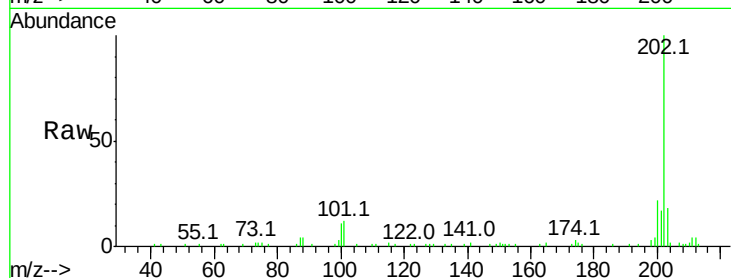
Acq: 21 Dec 2015 01:13

Instrument :

BNA_M

ClientSampleId :

G9DB4



Tot Ion:202 Resp: 48291

Ion Ratio Lower Upper

202 100

101 12.5 10.2 15.2

100 10.6 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

