

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
 Data File : BM003668.D
 Acq On : 20 Dec 2015 23:27
 Operator : UM/SJ
 Sample : G4867-16
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G9DB1

Quant Time: Dec 21 04:34:56 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	27970	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	127069	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.35	164	77974	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.10	188	185378	20.00	ng/ul	0.00
78) Chrysene-d12	21.30	240	226252	20.00	ng/ul	0.00
86) Perylene-d12	23.54	264	193692	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.16	96	593	1.14	ng/uL	0.00
5) Phenol-d5	6.87	99	19269	8.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	45427	36.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	57837	30.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	39240	19.22	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	41026	44.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	41655	40.16	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	67949	35.89	ng/ul	0.01
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.76	166	244574	37.95	ng/ul	0.00
47) Acenaphthylene-d8	14.04	160	288707	39.35	ng/ul	0.00
52) 4-Nitrophenol-d4	14.56	143	11482	9.15	ng/ul	0.00
58) Fluorene-d10	15.34	176	208933	39.19	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.47	200	37251	35.65	ng/ul	0.00
71) Anthracene-d10	17.20	188	337604	40.03	ng/ul	0.00
79) Pyrene-d10	19.50	212	394746	39.94	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.40	264	383721	39.88	ng/ul	0.00

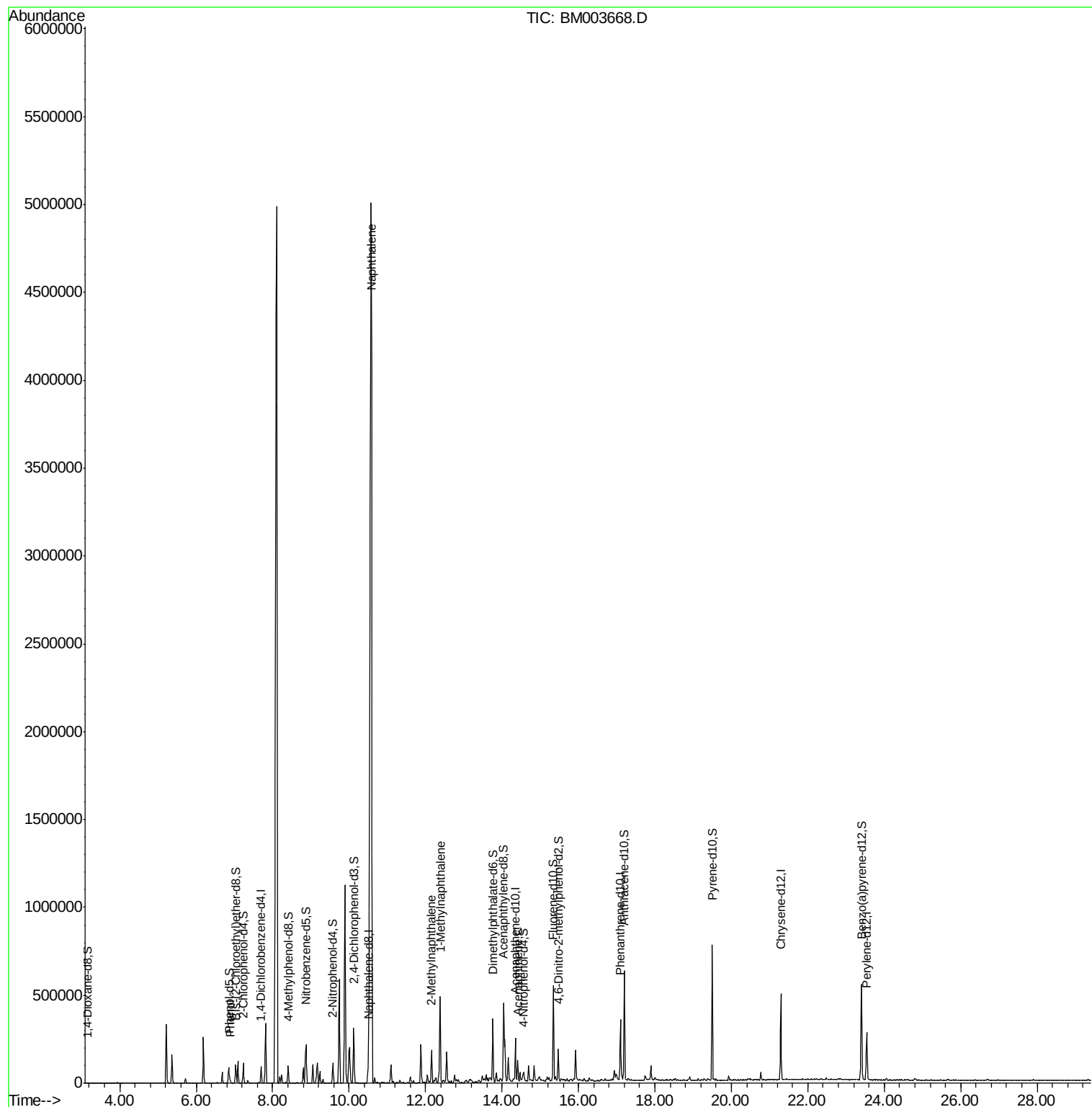
Target Compounds						Ovalue
6) Phenol	6.90	94	5924	2.39	ng/ul	98
28) Naphthalene	10.59	128	7830689	1196.12	ng/ul	98
34) 2-Methylnaphthalene	12.16	142	78334	16.02	ng/ul	99
35) 1-Methylnaphthalene	12.38	142	234479	50.49	ng/ul	99
50) Acenaphthene	14.42	153	45953	8.58	ng/ul	98

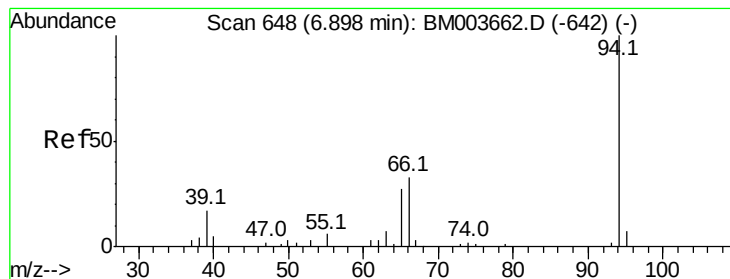
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.39 ng/ul

RT: 6.90 min Scan# 648

Delta R.T. -0.00 min

Lab File: BM003668.D

Acq: 20 Dec 2015 23:27

Instrument :

BNA_M

ClientSampleId :

G9DB1

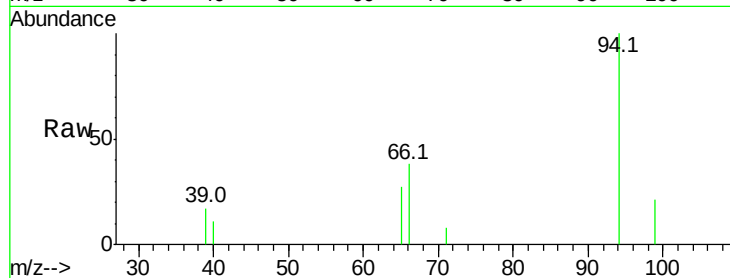
Tot Ion: 94 Resp: 5924

Ion Ratio Lower Upper

94 100

65 27.0 21.0 31.6

66 37.8 29.3 43.9



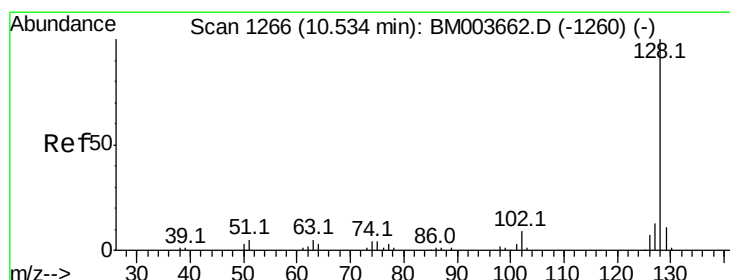
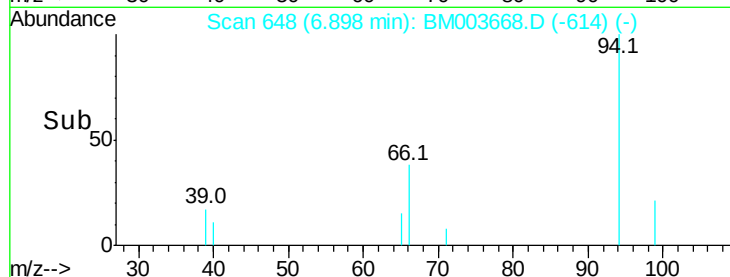
Abundance Ion 94.00 (93.70 to 94.70): BM003662.D (-642) (-)

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

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

6.90

Time-->



#28

Naphthalene

Concen: 1196.12 ng/ul

RT: 10.59 min Scan# 1275

Delta R.T. 0.05 min

Lab File: BM003668.D

Acq: 20 Dec 2015 23:27

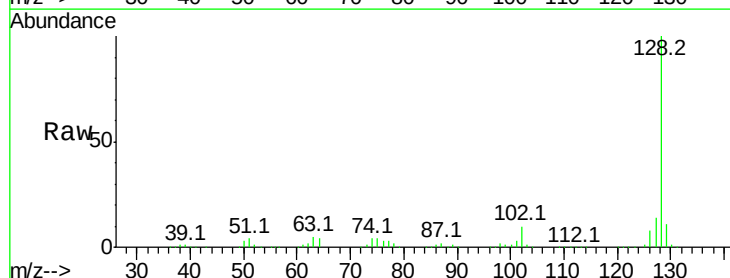
Tgt Ion: 128 Resp: 7830689

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 14.5 10.5 15.7



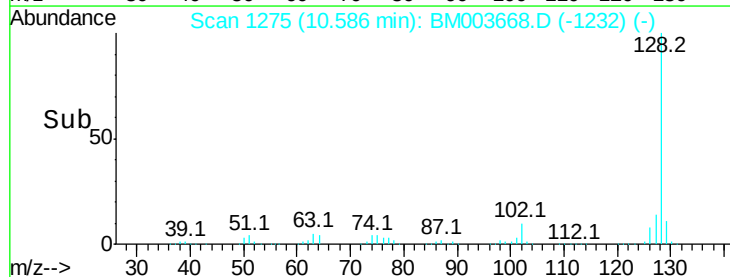
Abundance Ion 128.00 (127.70 to 128.70): BM003662.D (-1260) (-)

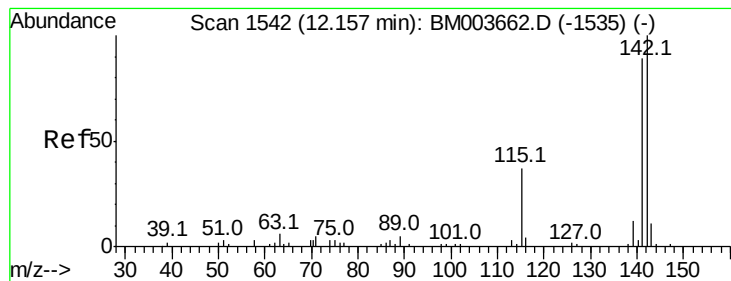
Ion 129.00 (128.70 to 129.70): BM003662.D (-1260) (-)

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

10.59

Time-->





#34

2-Methylnaphthalene

Concen: 16.02 ng/ul

RT: 12.16 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BM003668.D

Acq: 20 Dec 2015 23:27

Instrument :

BNA_M

ClientSampled :

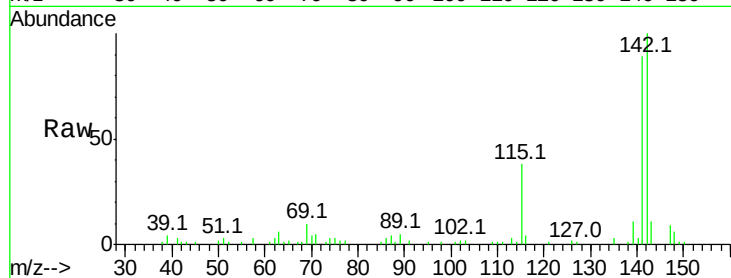
G9DB1

Tot Ion:142 Resp: 78334

Ion Ratio Lower Upper

142 100

141 88.9 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

50000

40000

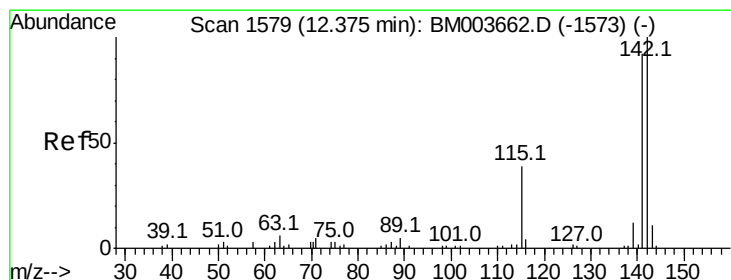
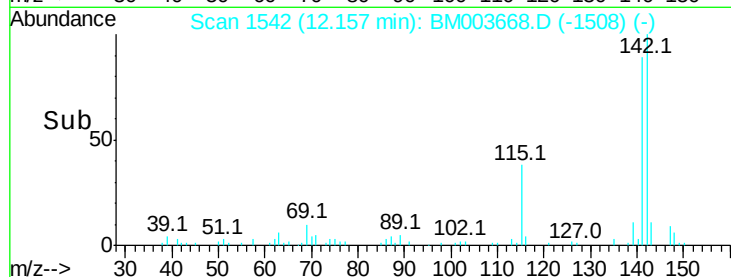
30000

20000

10000

0

Time--> 12.10 12.15 12.20



#35

1-Methylnaphthalene

Concen: 50.49 ng/ul

RT: 12.38 min Scan# 1580

Delta R.T. 0.01 min

Lab File: BM003668.D

Acq: 20 Dec 2015 23:27

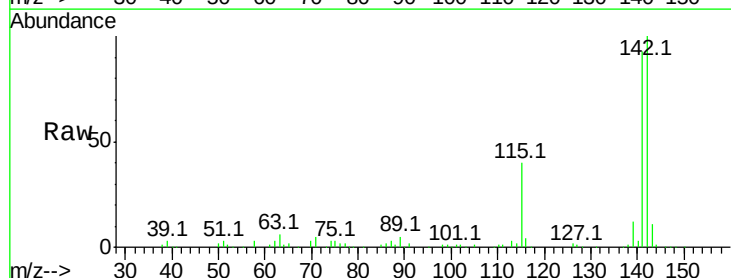
Tgt Ion:142 Resp: 234479

Ion Ratio Lower Upper

142 100

141 93.0 74.9 112.3

116 4.1 3.1 4.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

200000

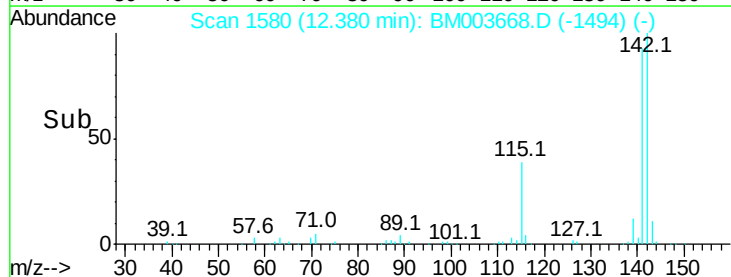
150000

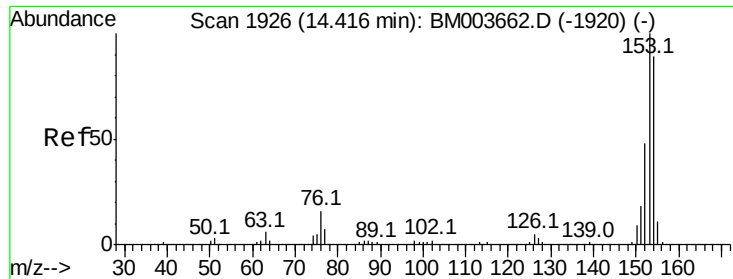
100000

50000

0

Time--> 12.30 12.35 12.40





#50

Acenaphthene

Concen: 8.58 ng/ul

RT: 14.42 min Scan# 1926

Delta R.T. -0.00 min

Lab File: BM003668.D

Acq: 20 Dec 2015 23:27

Instrument :

BNA_M

ClientSampleId :

G9DB1

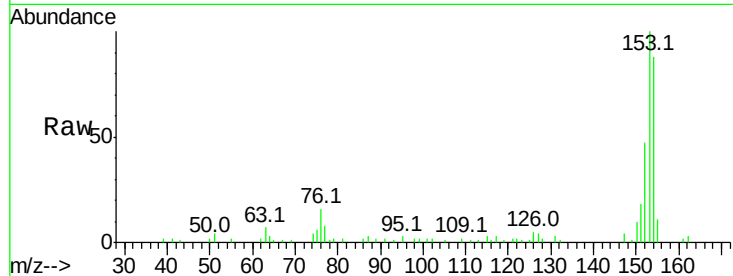
Tot Ion:153 Resp: 45953

Ion Ratio Lower Upper

153 100

152 46.9 38.3 57.5

154 87.5 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

