

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062516\
 Data File : BM006001.D
 Acq On : 25 Jun 2016 15:02
 Operator : UM/SJ
 Sample : H3669-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y59

Quant Time: Jun 26 04:41:13 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jun 26 04:39:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	167839	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1011153	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	776983	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1982707	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	2362720	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	2589964	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	6932	1.84	ng/uL	0.00
3) Phenol-d5	6.83	99	282573	16.00	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	193273	19.68	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	218056	17.73	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	185433	12.44	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	128469	16.69	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	147795	17.25	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	263847	16.06	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	292476	16.41	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1063150	15.98	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1272059	16.49	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	143516	10.11	ng/ul	0.00
21) Fluorene-d10	15.30	176	954158	16.80	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	120305	10.93	ng/ul	0.00
26) Anthracene-d10	17.15	188	1535790	16.86	ng/ul	0.00
30) Pyrene-d10	19.45	212	1874630	18.11	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1954797	16.72	ng/ul	0.00

Target Compounds

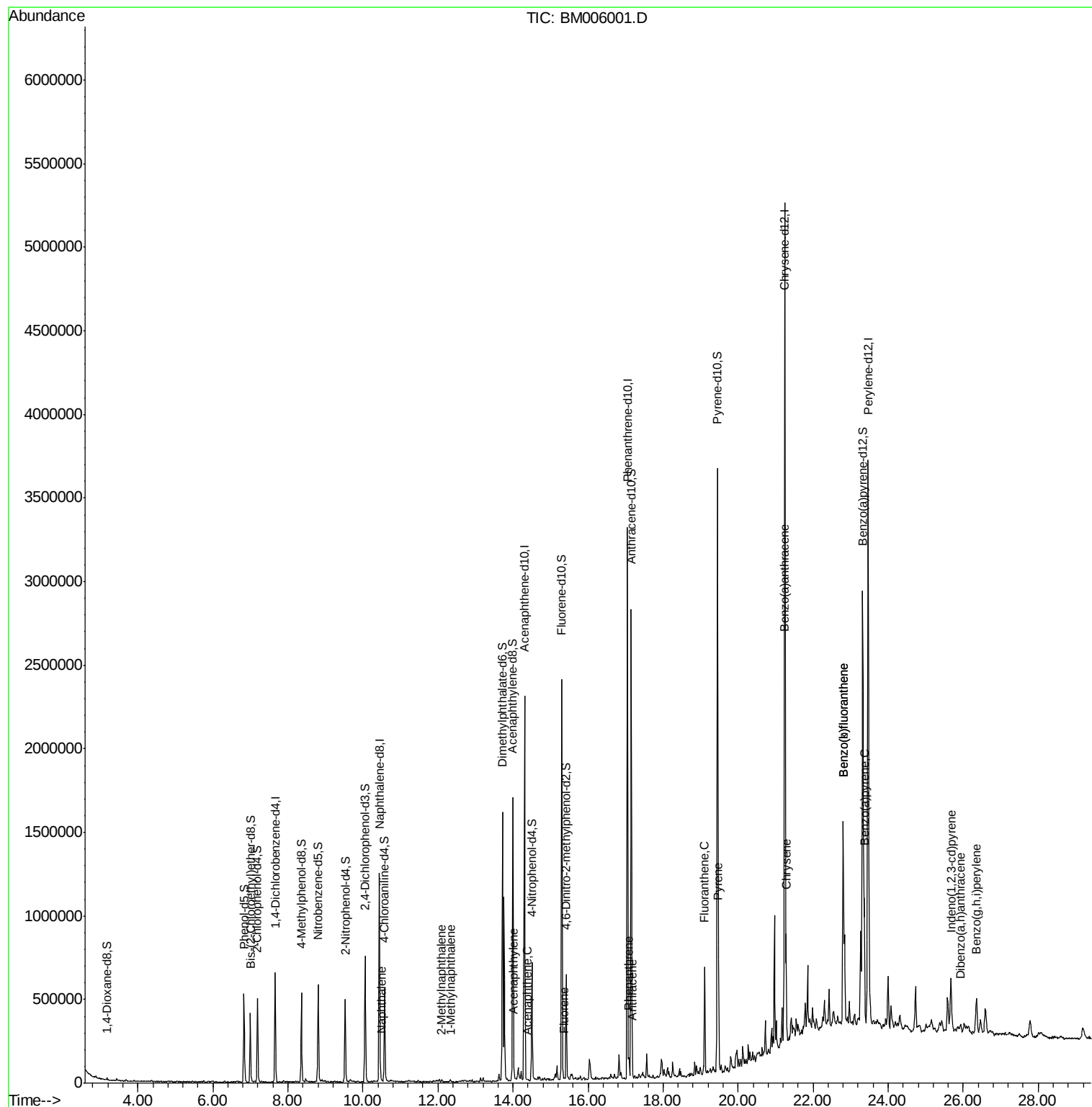
						Qvalue
11) Naphthalene	10.49	128	9883	0.20	ng/ul#	96
13) 2-Methylnaphthalene	12.11	142	6644	0.16	ng/ul	90
14) 1-Methylnaphthalene	12.33	142	5483	0.14	ng/ul#	86
18) Acenaphthylene	14.03	152	26415	0.32	ng/ul	98
19) Acenaphthene	14.37	153	1865	0.04	ng/ul#	71
22) Fluorene	15.36	166	2270	0.04	ng/ul#	85
25) Phenanthrene	17.09	178	80957	0.76	ng/ul	99
27) Anthracene	17.19	178	26092	0.24	ng/ul	96
28) Fluoranthene	19.11	202	384434	2.81	ng/ul	98
31) Pyrene	19.48	202	374304	2.77	ng/ul	100
32) Benzo(a)anthracene	21.23	228	268997	1.92	ng/ul	97
33) Chrysene	21.28	228	426421	3.33	ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	860338	5.72	ng/ul	97
36) Benzo(k)fluoranthene	22.80	252	860338	6.15	ng/ul	97
38) Benzo(a)pyrene	23.37	252	430055	2.98	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.67	276	311034	1.81	ng/ul	96
40) Dibenzo(a,h)anthracene	25.93	278	46238	0.32	ng/ul	94
41) Benzo(g,h,i)perylene	26.36	276	266792	1.79	ng/ul	98

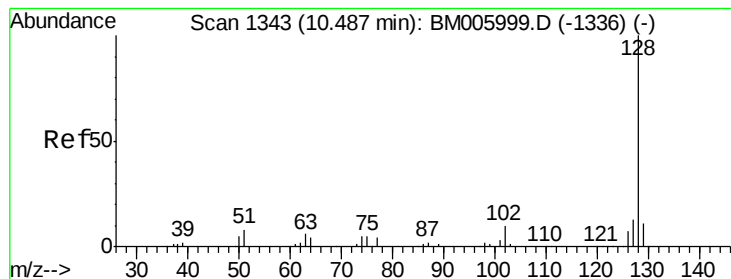
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sun Jun 26 04:39:40 2016
Response via : Initial Calibration





#11

Naphthalene

Concen: 0.20 ng/ul

RT: 10.49 min Scan# 1344

Delta R.T. 0.01 min

Lab File: BM006001.D

Acq: 25 Jun 2016 15:02

Instrument :

BNA_M

ClientSampleId :

D9Y59

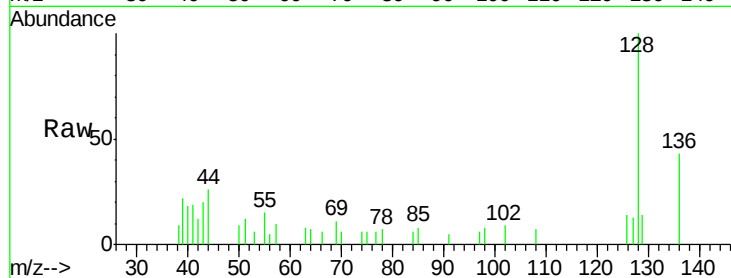
Tgt Ion:128 Resp: 9883

Ion Ratio Lower Upper

128 100

129 14.0 8.6 13.0#

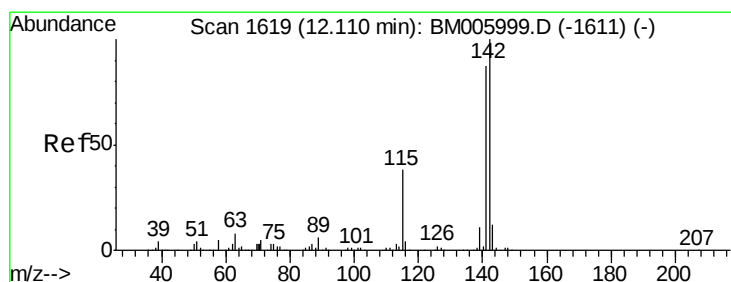
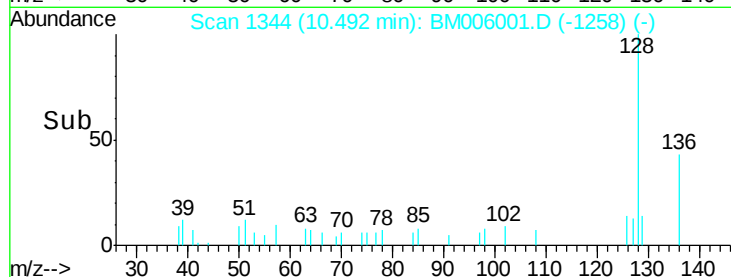
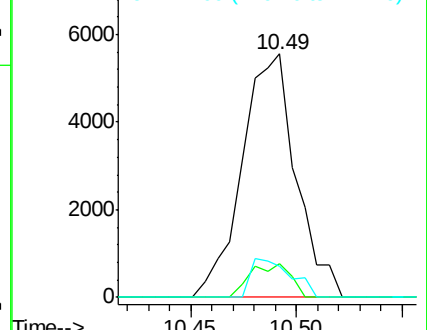
127 12.6 10.2 15.4



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



#13

2-Methylnaphthalene

Concen: 0.16 ng/ul

RT: 12.11 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BM006001.D

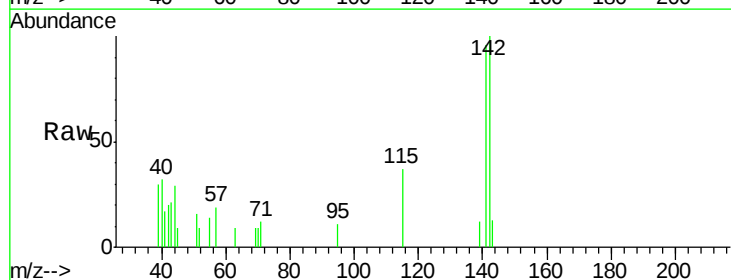
Acq: 25 Jun 2016 15:02

Tgt Ion:142 Resp: 6644

Ion Ratio Lower Upper

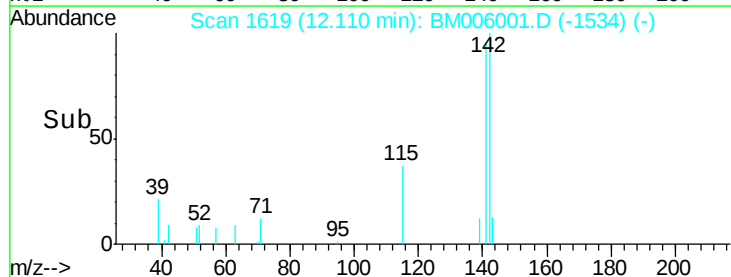
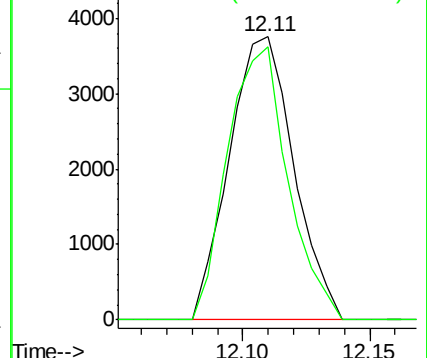
142 100

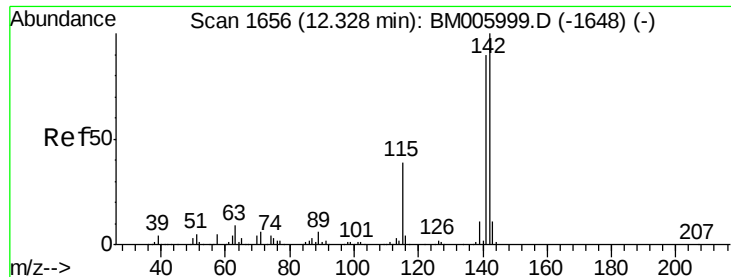
141 96.4 69.4 104.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

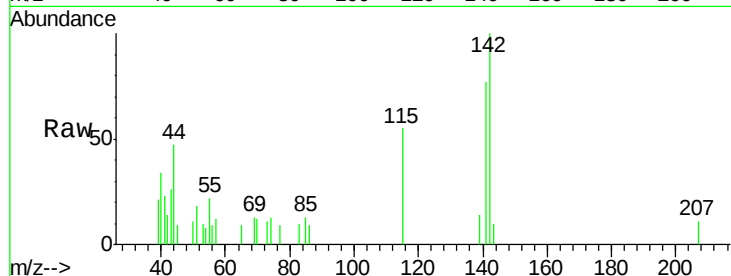




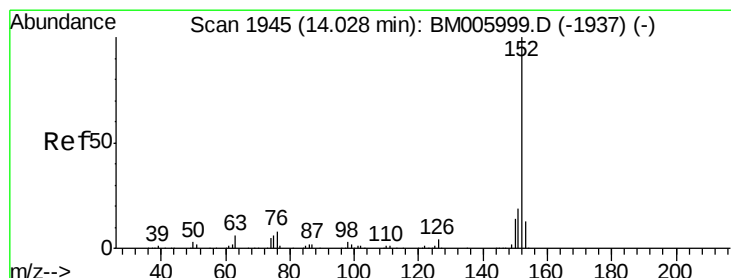
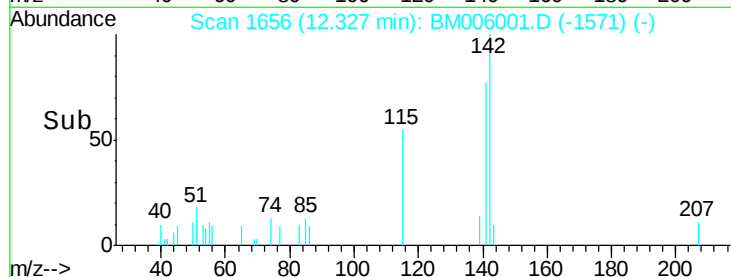
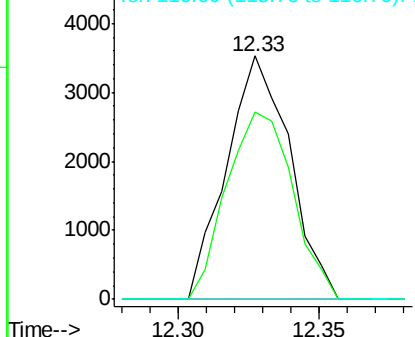
#14
1-Methylnaphthalene
Concen: 0.14 ng/ul
RT: 12.33 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BM006001.D
Acq: 25 Jun 2016 15:02

Instrument :
BNA_M
ClientSampleId :
D9Y59

Tgt Ion:142 Resp: 5483
Ion Ratio Lower Upper
142 100
141 77.1 72.3 108.5
116 0.0 3.4 5.0#

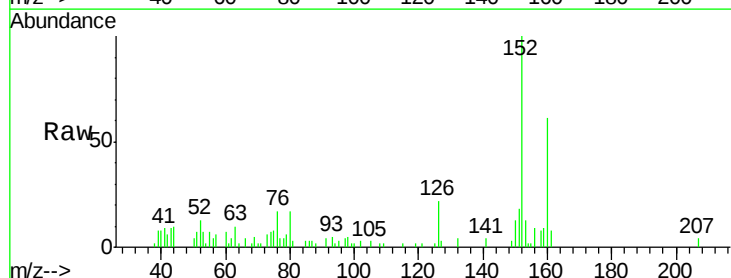


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

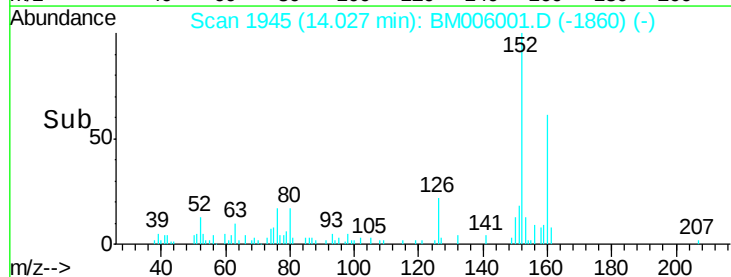
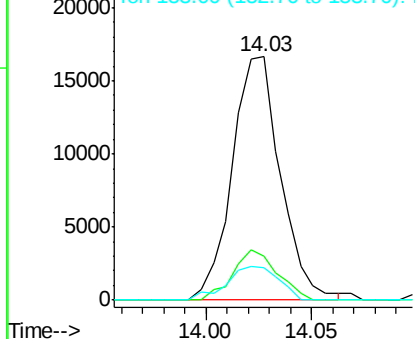


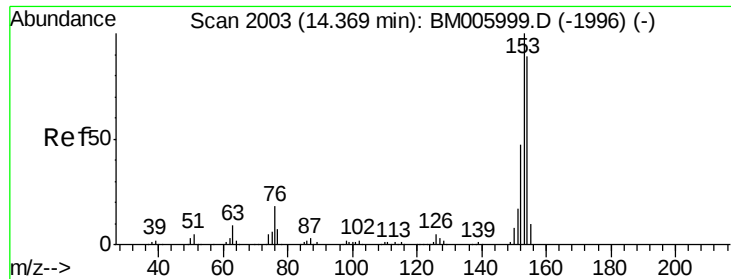
#18
Acenaphthylene
Concen: 0.32 ng/ul
RT: 14.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: BM006001.D
Acq: 25 Jun 2016 15:02

Tgt Ion:152 Resp: 26415
Ion Ratio Lower Upper
152 100
151 18.1 15.5 23.3
153 13.3 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





#19

Acenaphthene

Concen: 0.04 ng/ul

RT: 14.37 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BM006001.D

Acq: 25 Jun 2016 15:02

Instrument :

BNA_M

ClientSampleId :

D9Y59

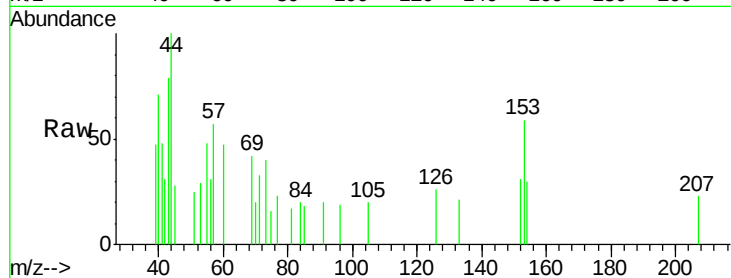
Tgt Ion:153 Resp: 1865

Ion Ratio Lower Upper

153 100

152 52.6 38.6 57.8

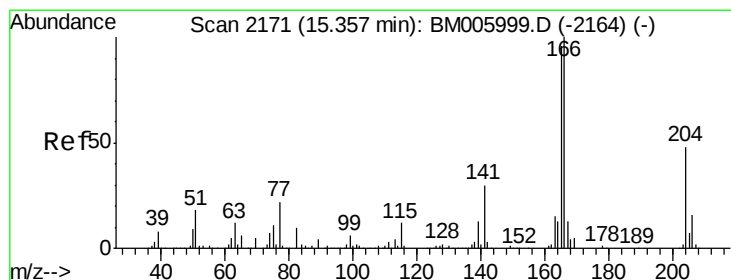
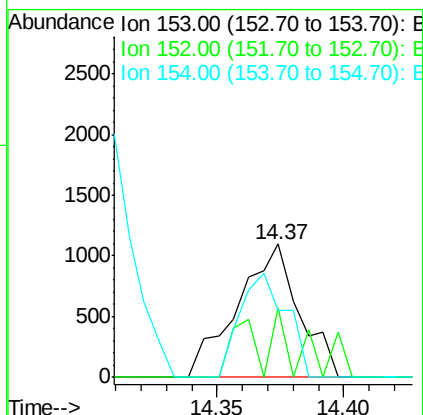
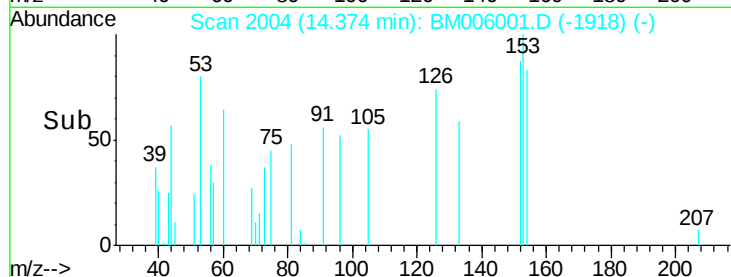
154 50.5 70.7 106.1#



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



#22

Fluorene

Concen: 0.04 ng/ul

RT: 15.36 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BM006001.D

Acq: 25 Jun 2016 15:02

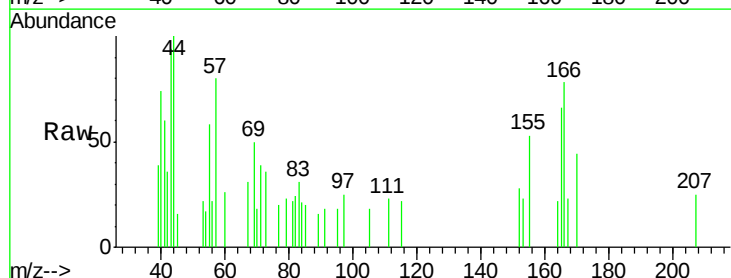
Tgt Ion:166 Resp: 2270

Ion Ratio Lower Upper

166 100

165 84.8 76.8 115.2

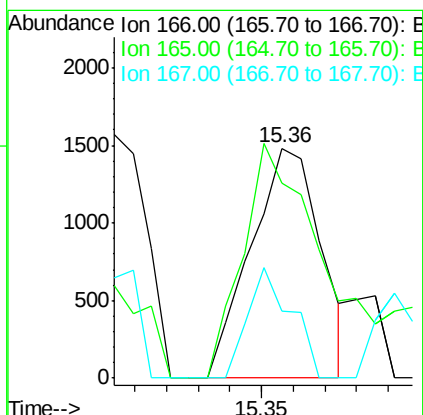
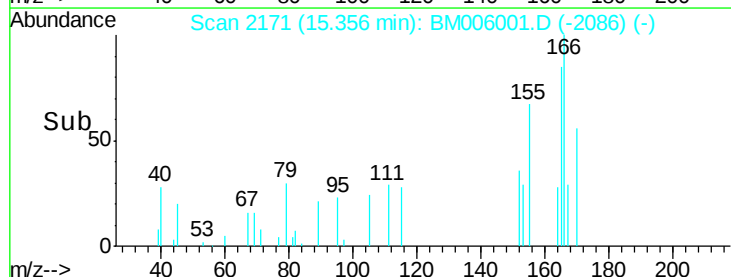
167 29.3 10.8 16.2#

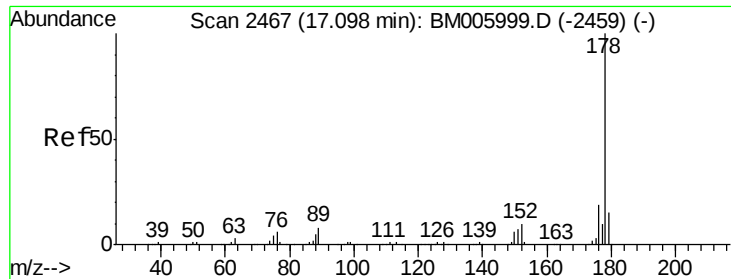


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 0.76 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.01 min

Lab File: BM006001.D

Acq: 25 Jun 2016 15:02

Instrument :

BNA_M

ClientSampleId :

D9Y59

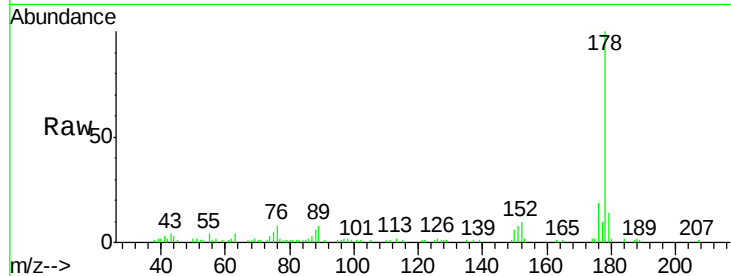
Tgt Ion:178 Resp: 80957

Ion Ratio Lower Upper

178 100

179 14.0 12.1 18.1

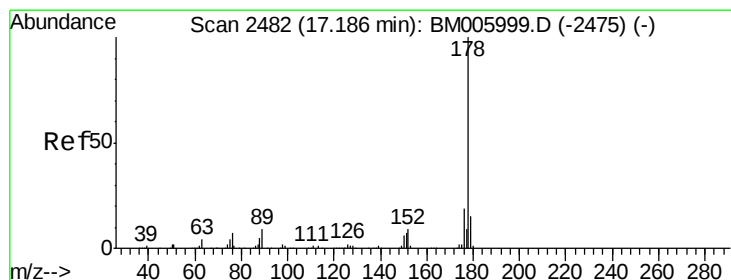
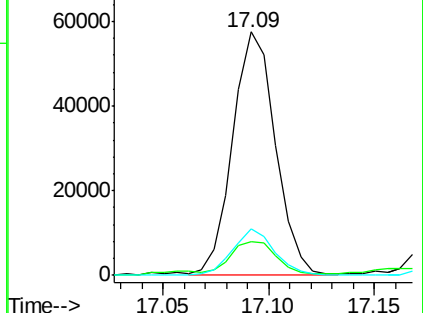
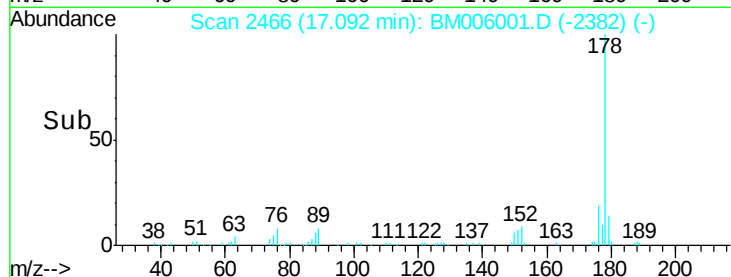
176 19.3 15.4 23.0



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



#27

Anthracene

Concen: 0.24 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. -0.00 min

Lab File: BM006001.D

Acq: 25 Jun 2016 15:02

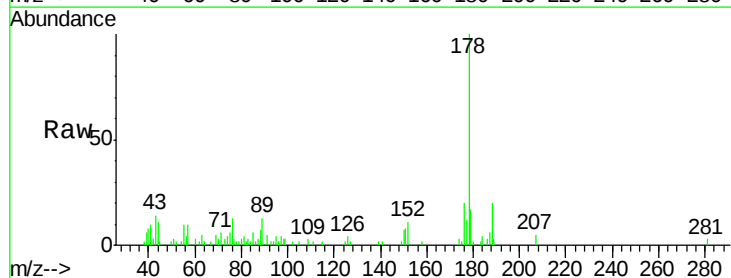
Tgt Ion:178 Resp: 26092

Ion Ratio Lower Upper

178 100

179 17.0 12.2 18.4

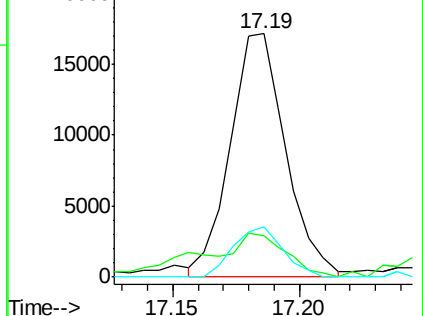
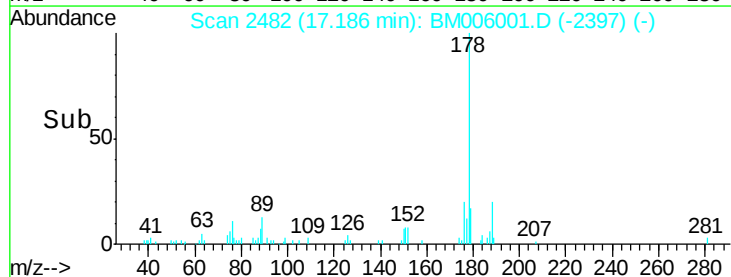
176 20.4 14.9 22.3

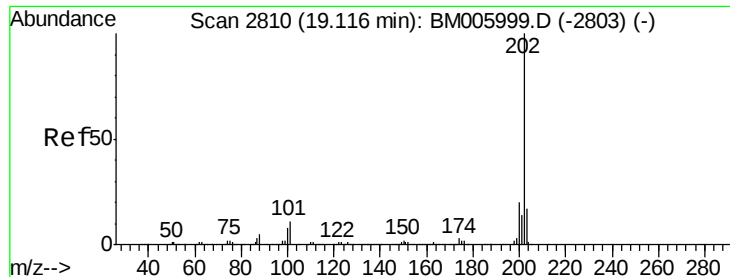


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 2.81 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BM006001.D

Acq: 25 Jun 2016 15:02

Instrument :

BNA_M

ClientSampleId :

D9Y59

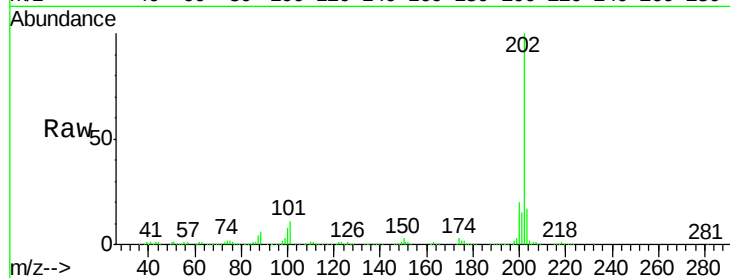
Tgt Ion:202 Resp: 384434

Ion Ratio Lower Upper

202 100

101 11.3 8.2 12.4

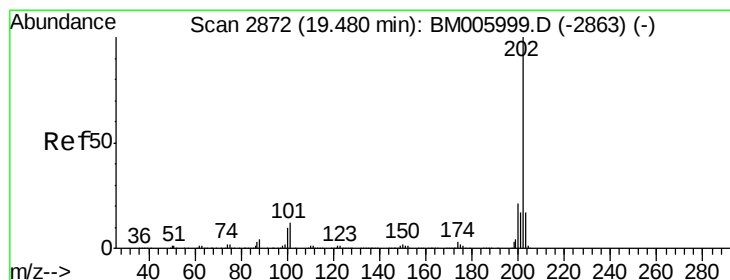
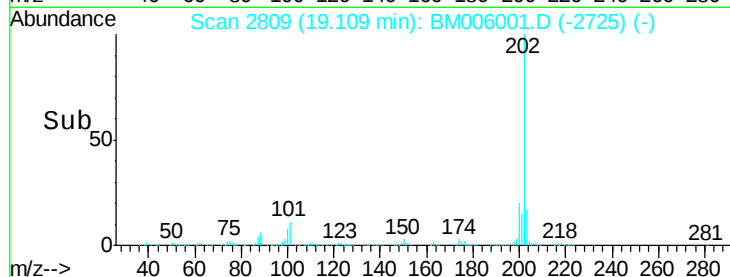
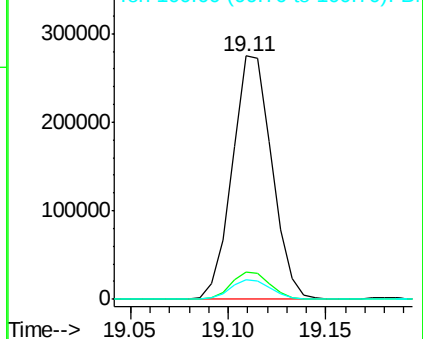
100 8.3 6.3 9.5



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



#31

Pyrene

Concen: 2.77 ng/ul

RT: 19.48 min Scan# 2872

Delta R.T. -0.00 min

Lab File: BM006001.D

Acq: 25 Jun 2016 15:02

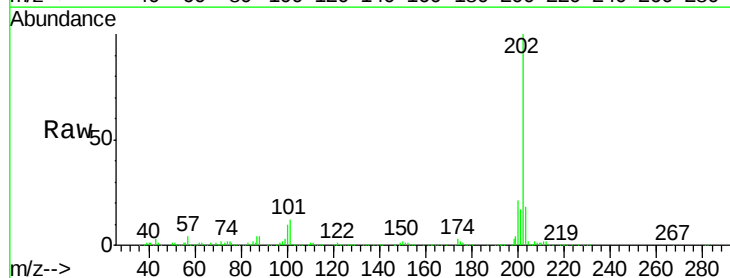
Tgt Ion:202 Resp: 374304

Ion Ratio Lower Upper

202 100

101 12.5 9.8 14.6

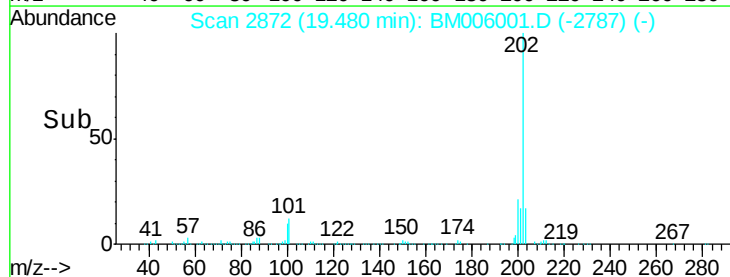
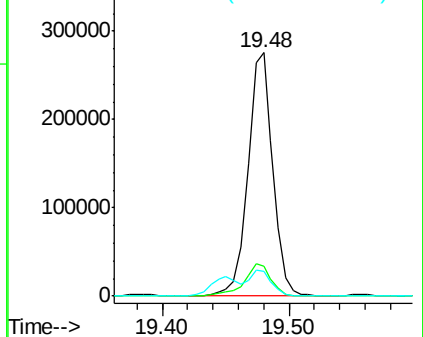
100 10.1 8.2 12.2

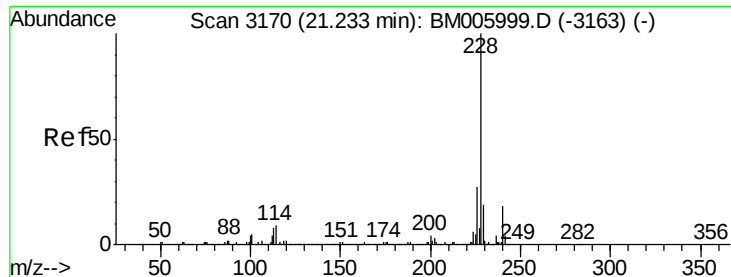


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

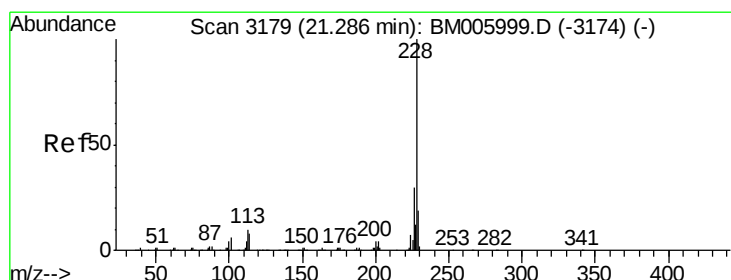
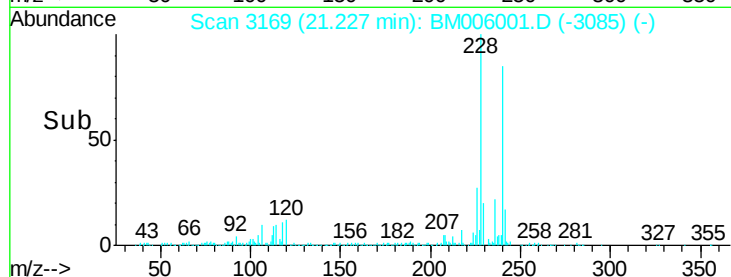
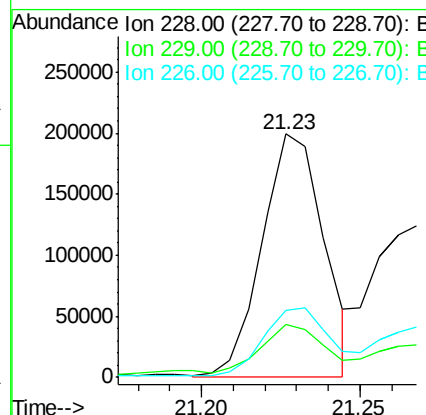
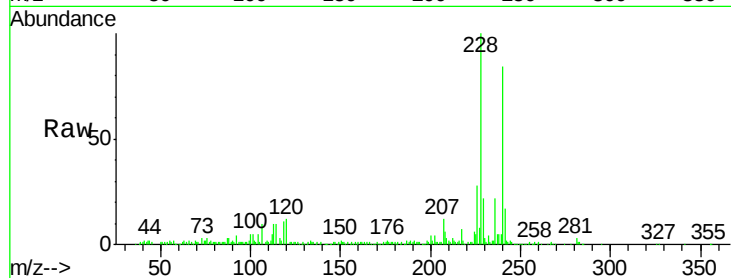




#32
Benzo(a)anthracene
Concen: 1.92 ng/ul
RT: 21.23 min Scan# 3169
Delta R.T. -0.01 min
Lab File: BM006001.D
Acq: 25 Jun 2016 15:02

Instrument :
BNA_M
ClientSampleId :
D9Y59

Tgt Ion:228 Resp: 268997
Ion Ratio Lower Upper
228 100
229 21.7 15.8 23.6
226 27.7 21.5 32.3



#33
Chrysene
Concen: 3.33 ng/ul
RT: 21.28 min Scan# 3178
Delta R.T. -0.01 min
Lab File: BM006001.D
Acq: 25 Jun 2016 15:02

Tgt Ion:228 Resp: 426421
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 21.7 15.4 23.2

