

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062516\
 Data File : BM006003.D
 Acq On : 25 Jun 2016 16:14
 Operator : UM/SJ
 Sample : H3669-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y62

Quant Time: Jun 26 04:41:32 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	209114	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1098945	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	768824	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1989612	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	2591003	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	2885760	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	9455	2.02	ng/uL	0.00
3) Phenol-d5	6.83	99	376155	17.10	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	279462	22.83	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	312931	20.42	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	246800	13.29	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	186141	22.25	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	212356	22.81	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	365544	20.47	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	518110	26.74	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1486736	22.59	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1764111	23.11	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	287881	20.50	ng/ul	0.00
21) Fluorene-d10	15.30	176	1295309	23.05	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	241416	21.86	ng/ul	0.00
26) Anthracene-d10	17.15	188	2129001	23.30	ng/ul	0.00
30) Pyrene-d10	19.45	212	2648744	23.34	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	3003437	23.05	ng/ul	0.00

Target Compounds

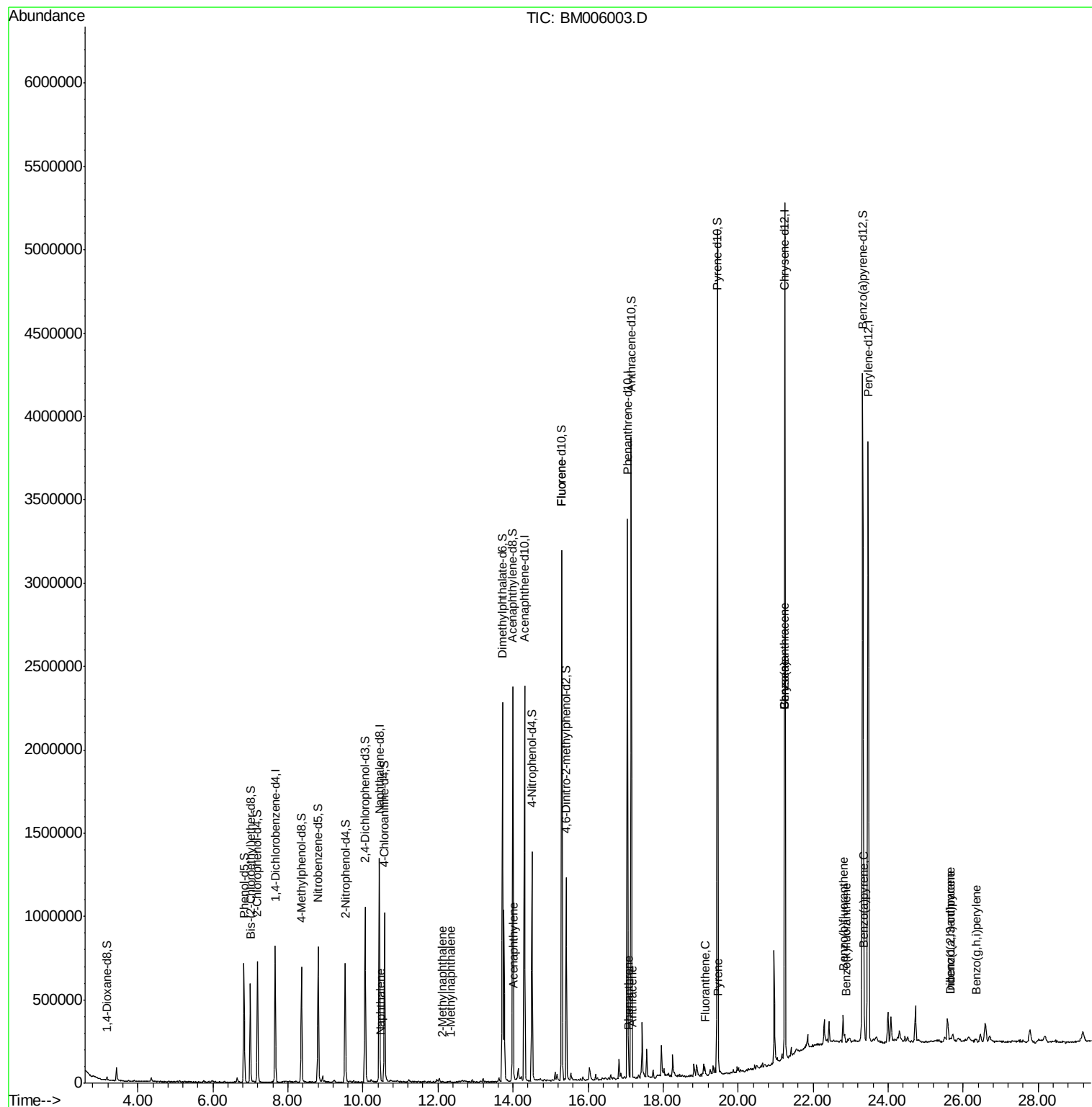
						Qvalue
11) Naphthalene	10.49	128	1456	0.03	ng/ul#	69
13) 2-Methylnaphthalene	12.10	142	654	0.01	ng/ul	94
14) 1-Methylnaphthalene	12.33	142	495	0.01	ng/ul#	96
18) Acenaphthylene	14.02	152	2008	0.02	ng/ul#	61
22) Fluorene	15.30	166	2933	0.05	ng/ul#	4
25) Phenanthrene	17.09	178	10632	0.10	ng/ul#	94
27) Anthracene	17.19	178	2285	0.02	ng/ul#	72
28) Fluoranthene	19.11	202	22771	0.17	ng/ul	98
31) Pyrene	19.48	202	20090	0.14	ng/ul#	90
32) Benzo(a)anthracene	21.23	228	28694	0.19	ng/ul#	91
33) Chrysene	21.23	228	28694	0.20	ng/ul	95
35) Benzo(b)fluoranthene	22.80	252	39129	0.23	ng/ul#	93
36) Benzo(k)fluoranthene	22.88	252	563	0.00	ng/ul#	1
38) Benzo(a)pyrene	23.36	252	24422	0.15	ng/ul#	94
39) Indeno(1,2,3-cd)pyrene	25.67	276	20085	0.10	ng/ul	93
40) Dibenzo(a,h)anthracene	25.67	278	5852	0.04	ng/ul#	90
41) Benzo(g,h,i)perylene	26.33	276	10612	0.06	ng/ul	96

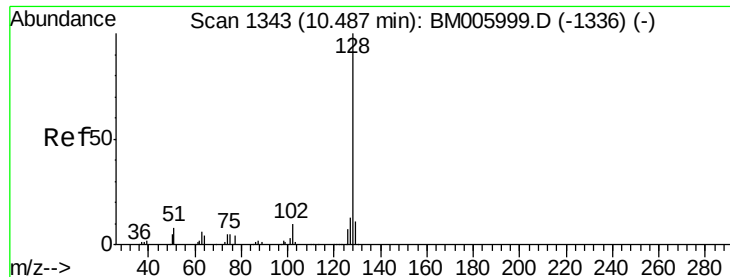
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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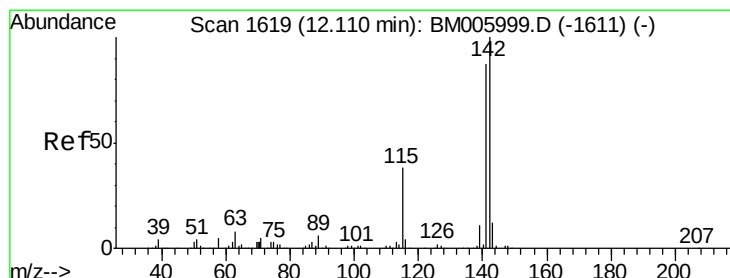
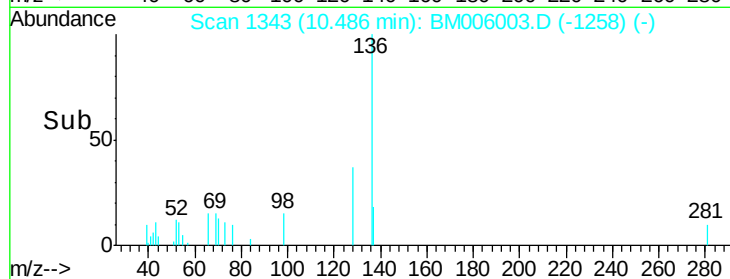
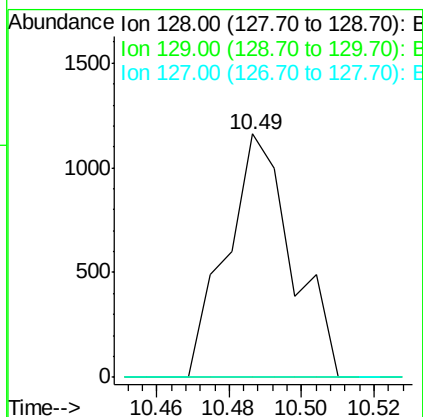
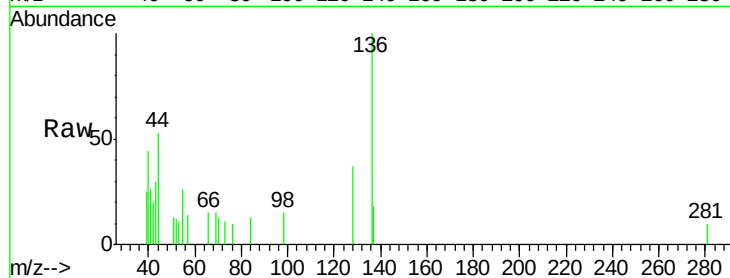




#11
Naphthalene
Concen: 0.03 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BM006003.D
Acq: 25 Jun 2016 16:14

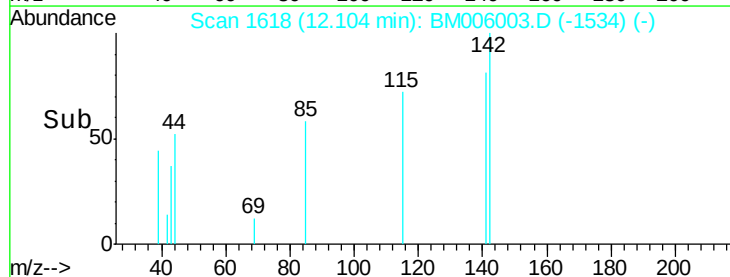
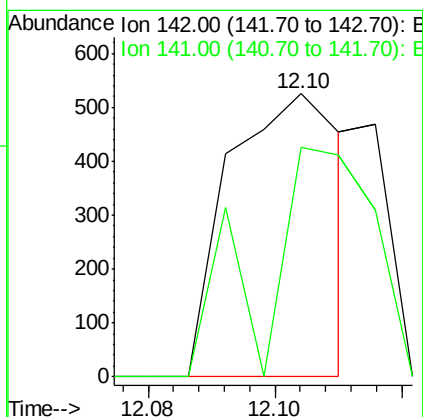
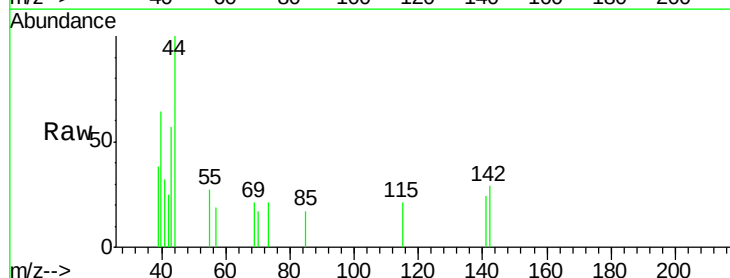
Instrument :
BNA_M
ClientSampleId :
D9Y62

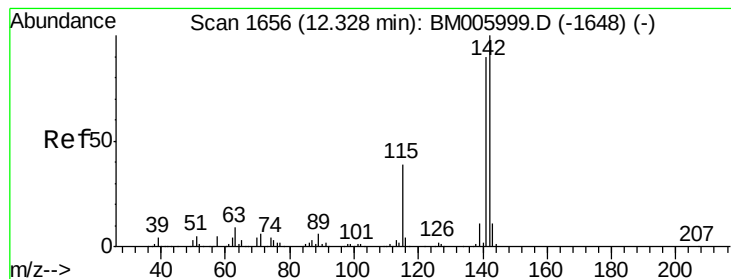
Tgt Ion:128 Resp: 1456
Ion Ratio Lower Upper
128 100
129 0.0 8.6 13.0#
127 0.0 10.2 15.4#



#13
2-Methylnaphthalene
Concen: 0.01 ng/ul
RT: 12.10 min Scan# 1618
Delta R.T. -0.01 min
Lab File: BM006003.D
Acq: 25 Jun 2016 16:14

Tgt Ion:142 Resp: 654
Ion Ratio Lower Upper
142 100
141 81.0 69.4 104.2





#14

1-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.33 min Scan# 1657

Delta R.T. 0.01 min

Lab File: BM006003.D

Acq: 25 Jun 2016 16:14

Instrument :

BNA_M

ClientSampleId :

D9Y62

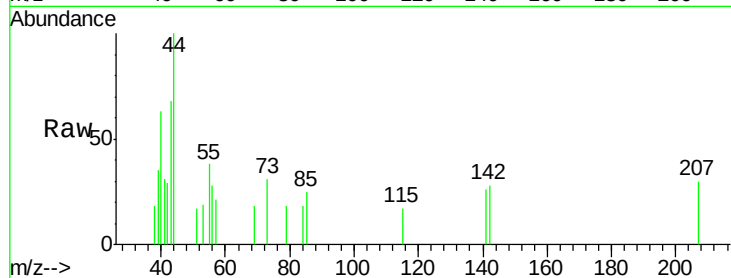
Tgt Ion:142 Resp: 495

Ion Ratio Lower Upper

142 100

141 94.0 72.3 108.5

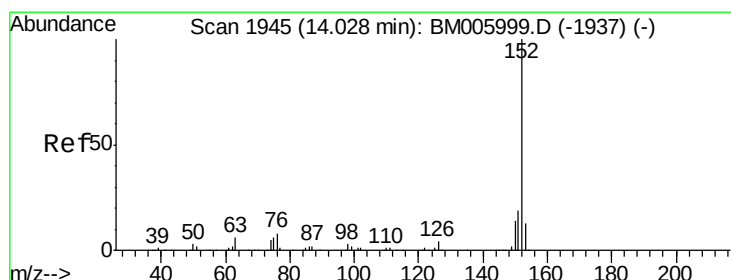
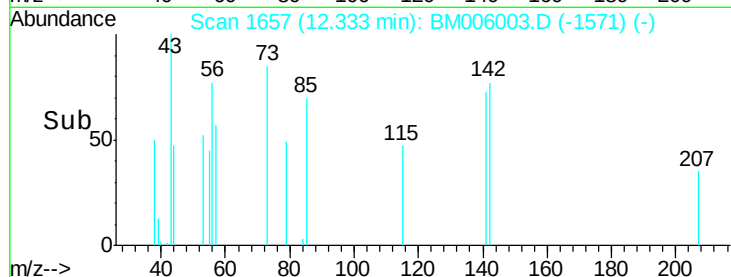
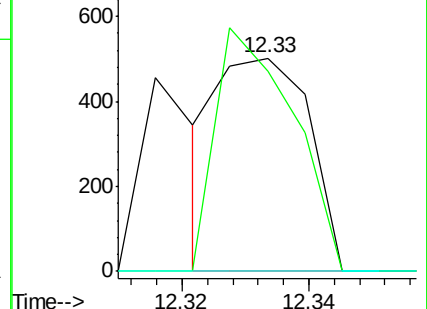
116 0.0 3.4 5.0#



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: 0.02 ng/ul

RT: 14.02 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BM006003.D

Acq: 25 Jun 2016 16:14

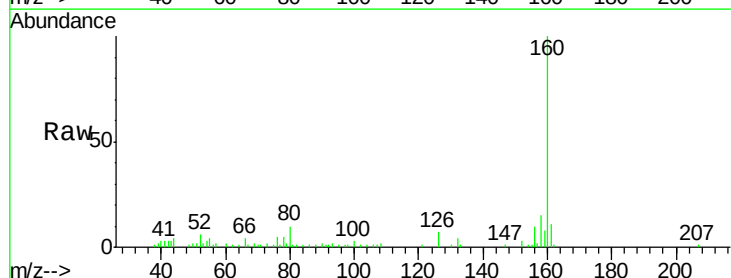
Tgt Ion:152 Resp: 2008

Ion Ratio Lower Upper

152 100

151 0.0 15.5 23.3#

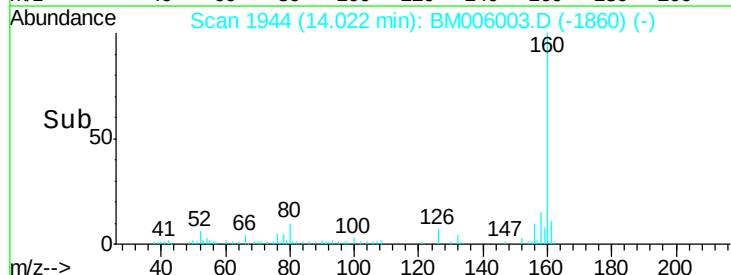
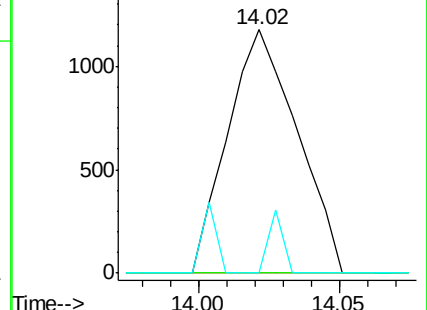
153 0.0 10.5 15.7#

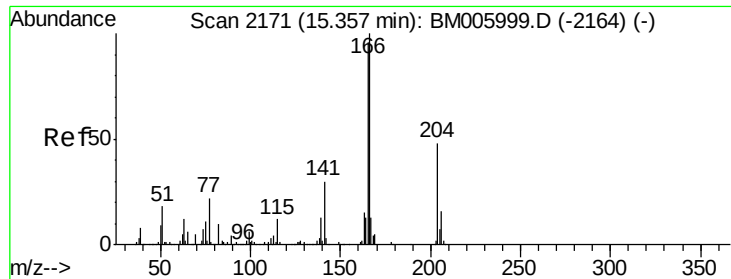


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

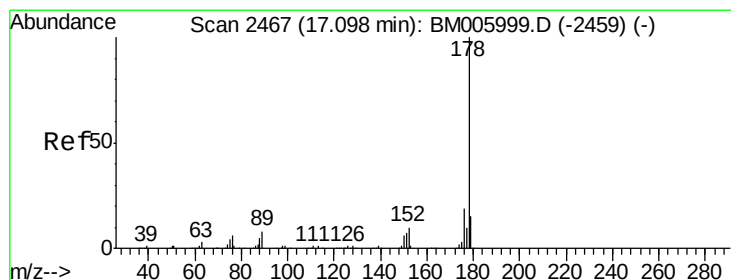
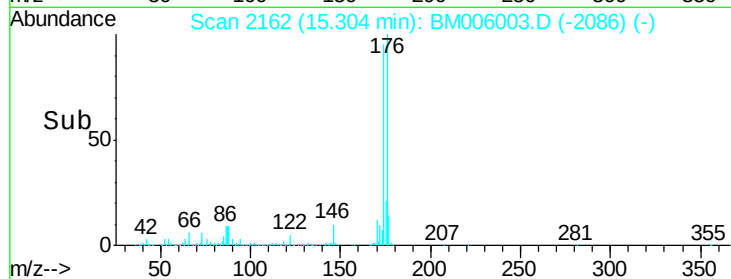
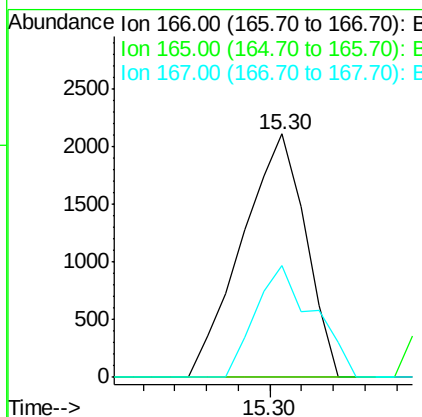
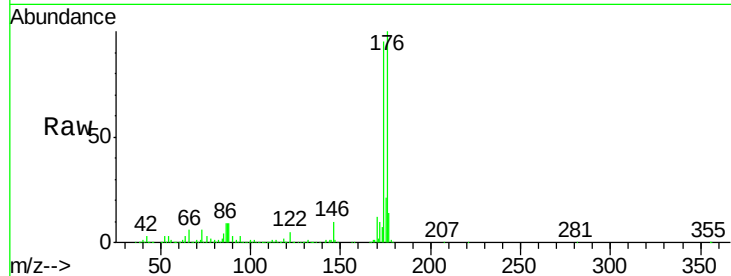




#22
 Fluorene
 Concen: 0.05 ng/ul
 RT: 15.30 min Scan# 2162
 Delta R.T. -0.05 min
 Lab File: BM006003.D
 Acq: 25 Jun 2016 16:14

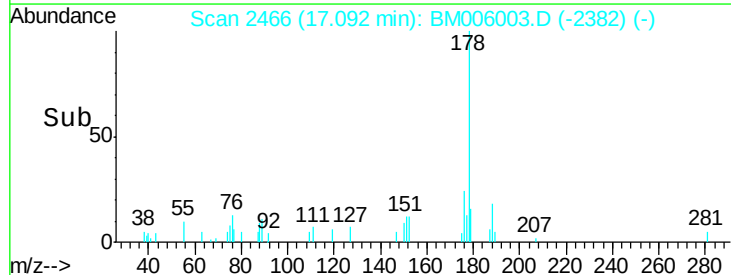
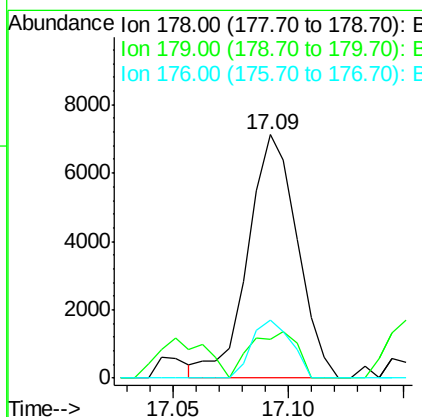
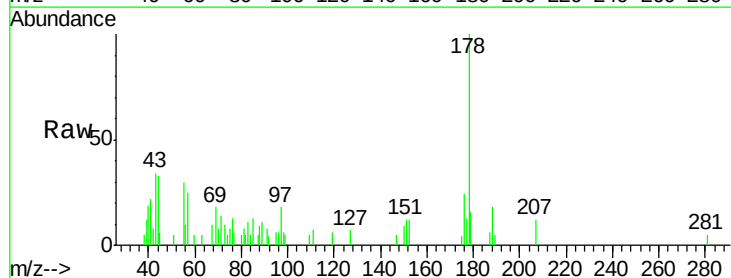
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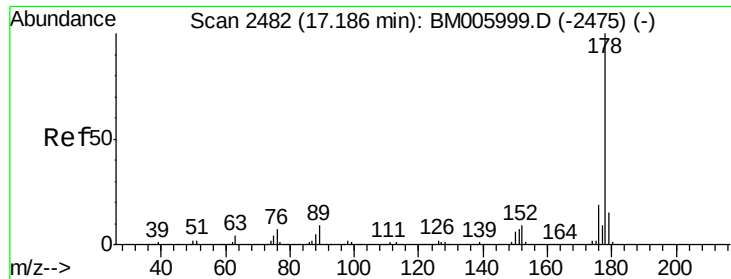
Tgt Ion:166 Resp: 2933
 Ion Ratio Lower Upper
 166 100
 165 0.0 76.8 115.2#
 167 45.7 10.8 16.2#



#25
 Phenanthrene
 Concen: 0.10 ng/ul
 RT: 17.09 min Scan# 2466
 Delta R.T. -0.01 min
 Lab File: BM006003.D
 Acq: 25 Jun 2016 16:14

Tgt Ion:178 Resp: 10632
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.1 18.1
 176 23.6 15.4 23.0#





#27

Anthracene

Concen: 0.02 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. -0.00 min

Lab File: BM006003.D

Acq: 25 Jun 2016 16:14

Instrument :

BNA_M

ClientSampleId :

D9Y62

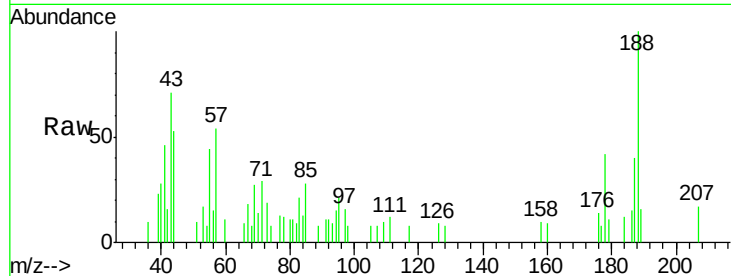
Tgt Ion:178 Resp: 2285

Ion Ratio Lower Upper

178 100

179 25.3 12.2 18.4#

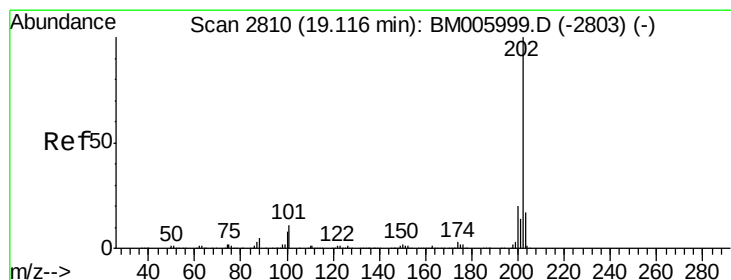
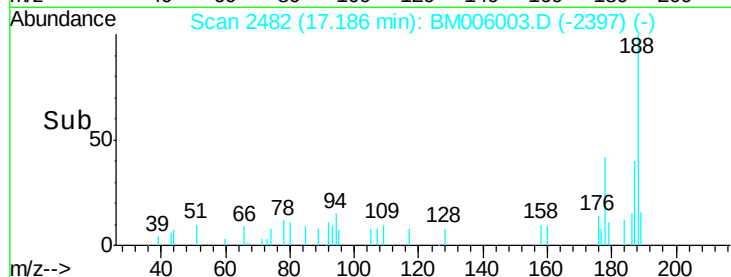
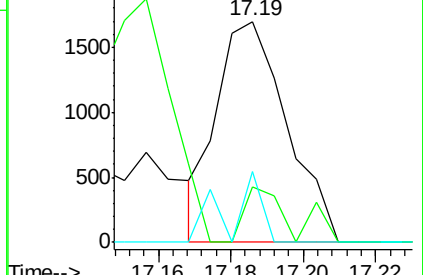
176 32.3 14.9 22.3#



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: 0.17 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BM006003.D

Acq: 25 Jun 2016 16:14

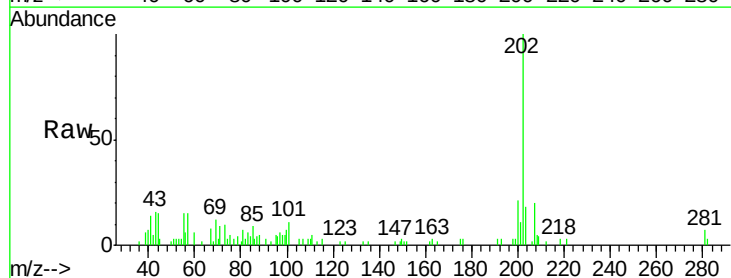
Tgt Ion:202 Resp: 22771

Ion Ratio Lower Upper

202 100

101 11.1 8.2 12.4

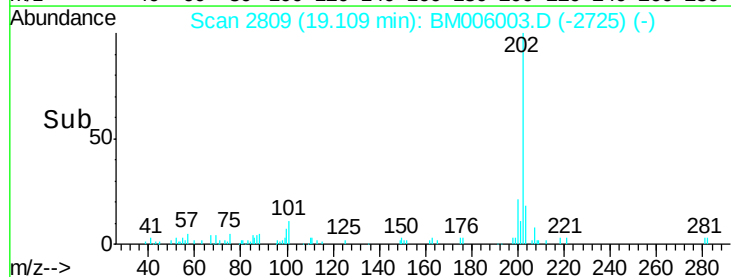
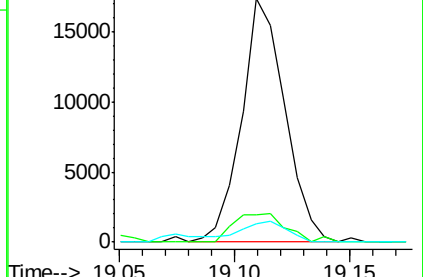
100 7.4 6.3 9.5

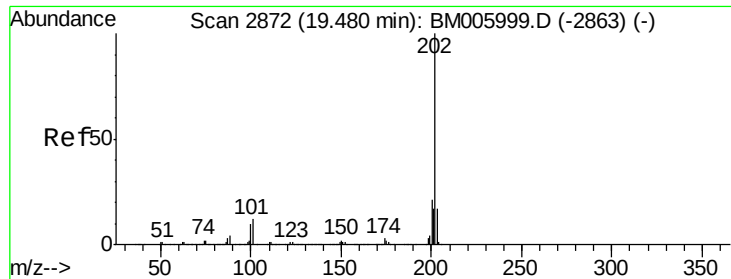


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

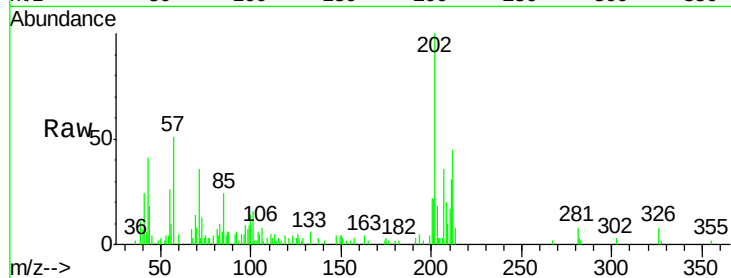




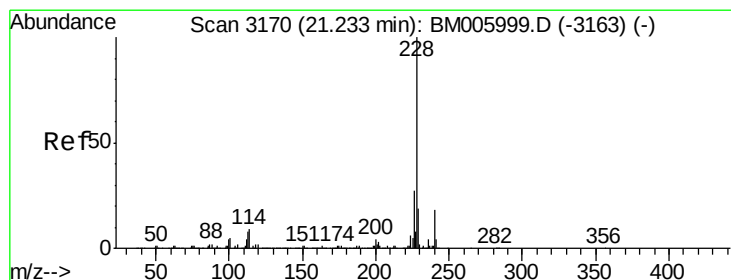
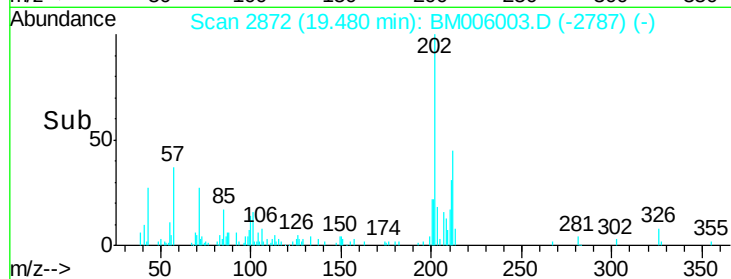
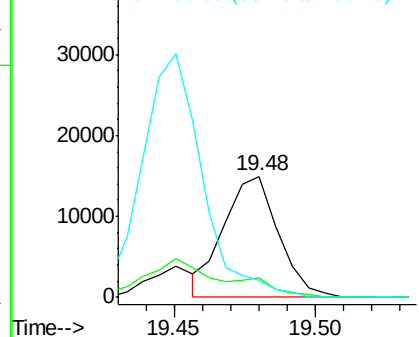
#31
 Pyrene
 Concen: 0.14 ng/ul
 RT: 19.48 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: BM006003.D
 Acq: 25 Jun 2016 16:14

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.4	9.8	14.6#
100	13.9	8.2	12.2#

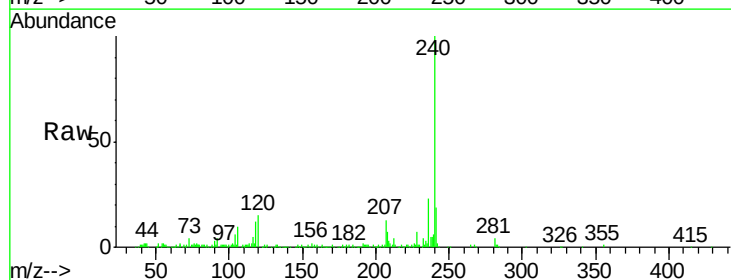


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

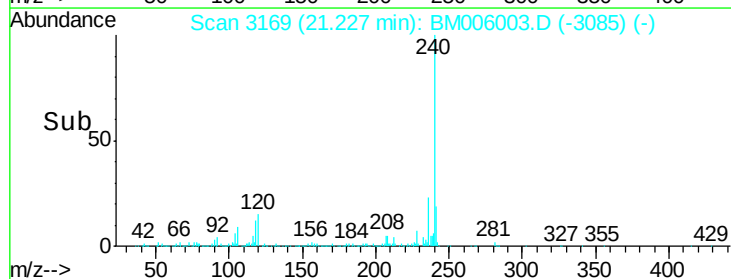
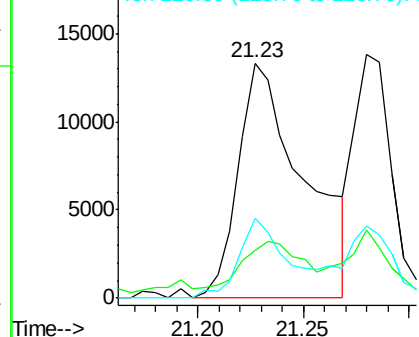


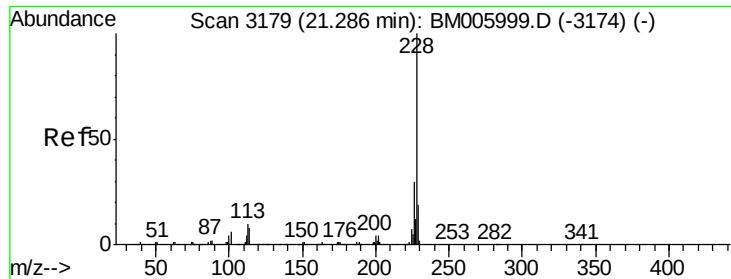
#32
 Benzo(a)anthracene
 Concen: 0.19 ng/ul
 RT: 21.23 min Scan# 3169
 Delta R.T. -0.01 min
 Lab File: BM006003.D
 Acq: 25 Jun 2016 16:14

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.8	23.6
226	33.8	21.5	32.3#



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 229.00 (228.70 to 229.70): E
 Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 0.20 ng/ul

RT: 21.23 min Scan# 3169

Delta R.T. -0.06 min

Lab File: BM006003.D

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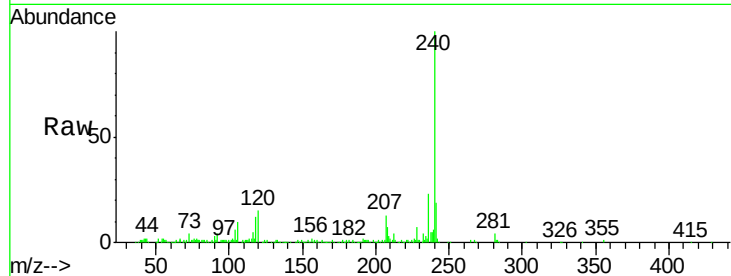
Tgt Ion:228 Resp: 28694

Ion Ratio Lower Upper

228 100

226 33.8 24.3 36.5

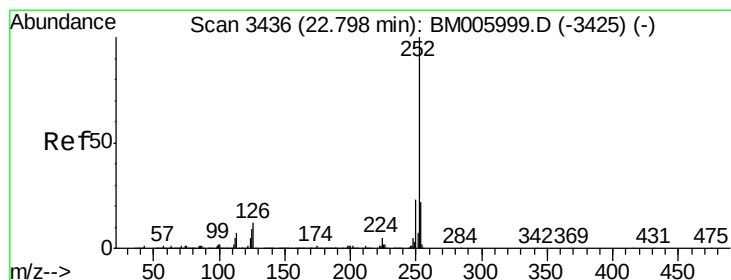
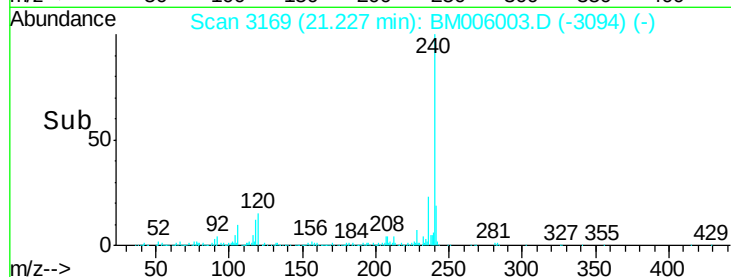
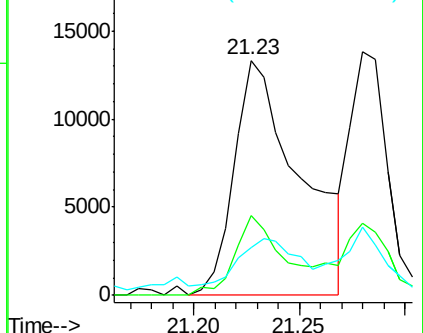
229 20.6 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#35

Benzo(b)fluoranthene

Concen: 0.23 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006003.D

Acq: 25 Jun 2016 16:14

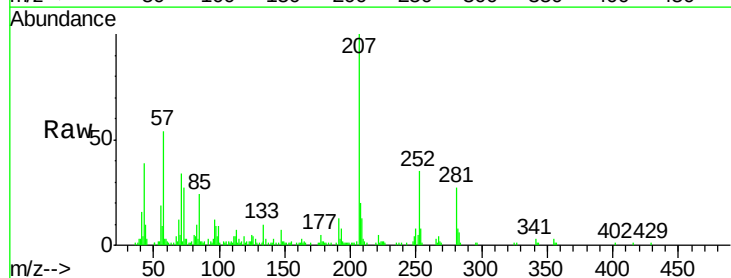
Tgt Ion:252 Resp: 39129

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

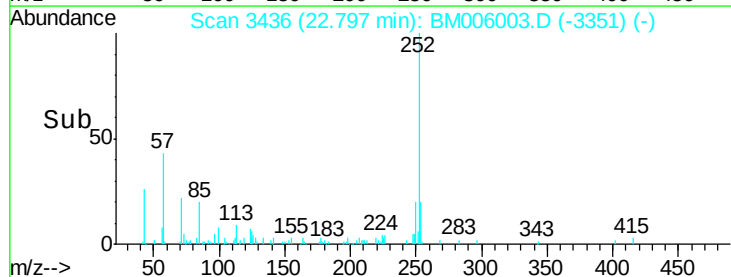
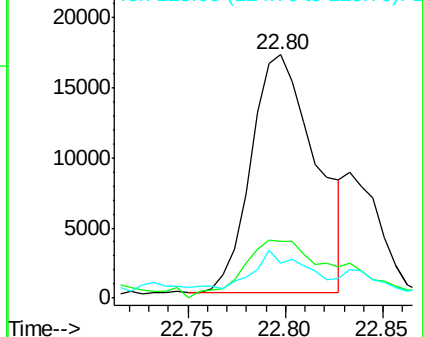
125 14.1 6.8 10.2#

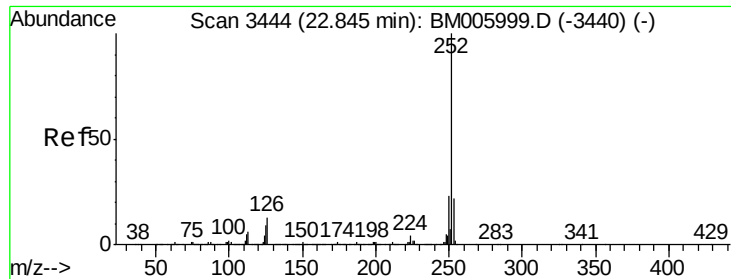


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

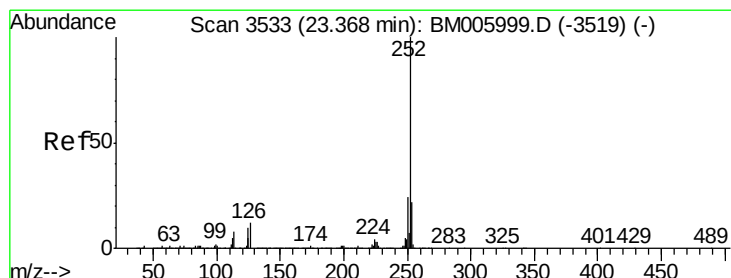
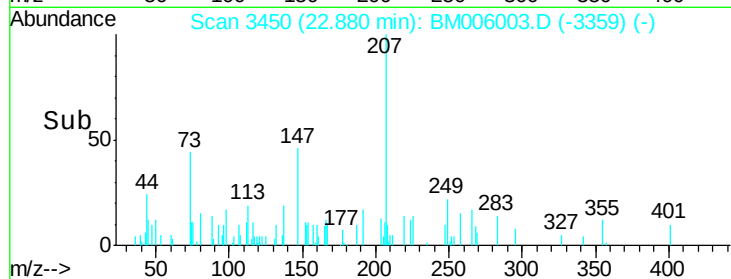
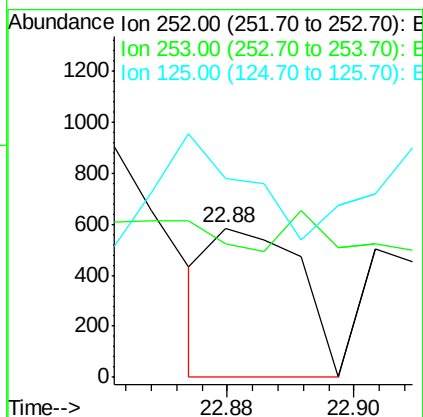
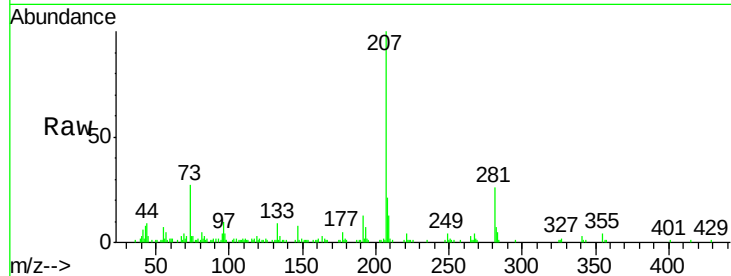




#36
Benzo(k)fluoranthene
Concen: 0.00 ng/ul
RT: 22.88 min Scan# 3450
Delta R.T. 0.04 min
Lab File: BM006003.D
Acq: 25 Jun 2016 16:14

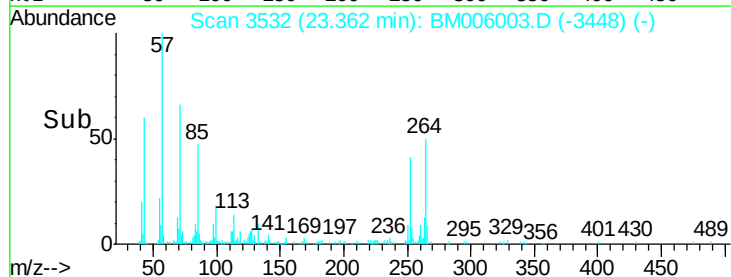
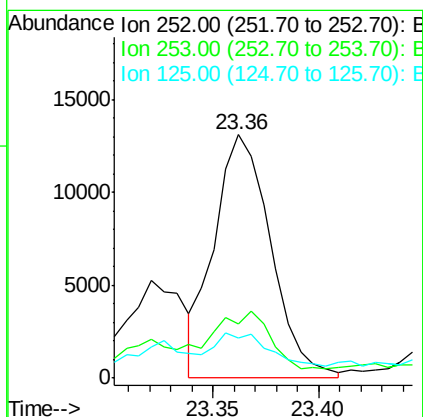
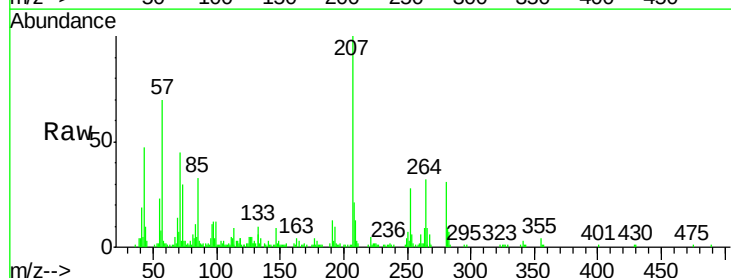
Instrument :
BNA_M
ClientSampleId :
D9Y62

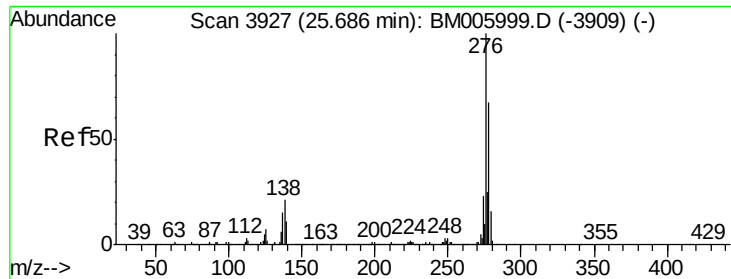
Tgt Ion:252 Resp: 563
Ion Ratio Lower Upper
252 100
253 89.4 17.3 25.9#
125 133.4 7.0 10.4#



#38
Benzo(a)pyrene
Concen: 0.15 ng/ul
RT: 23.36 min Scan# 3532
Delta R.T. -0.01 min
Lab File: BM006003.D
Acq: 25 Jun 2016 16:14

Tgt Ion:252 Resp: 24422
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 16.6 7.8 11.6#





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.10 ng/ul

RT: 25.67 min Scan# 3924

Delta R.T. -0.02 min

Lab File: BM006003.D

Acq: 25 Jun 2016 16:14

Instrument :

BNA_M

ClientSampleId :

D9Y62

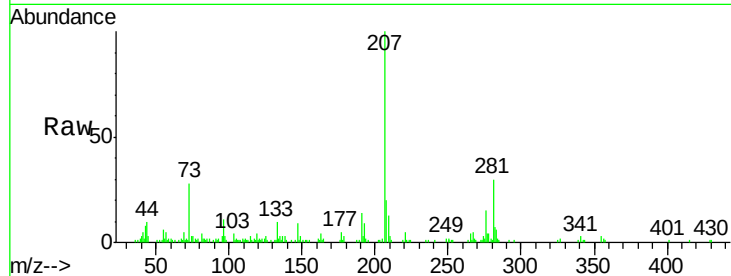
Tgt Ion:276 Resp: 20085

Ion Ratio Lower Upper

276 100

138 17.9 16.6 25.0

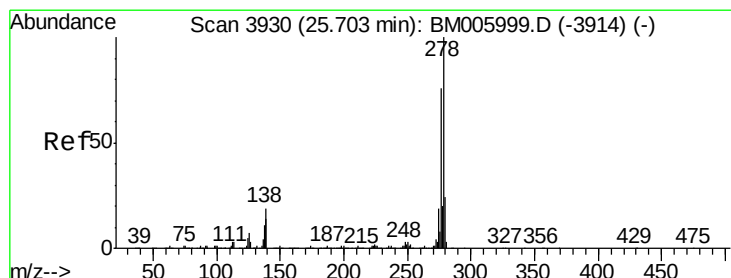
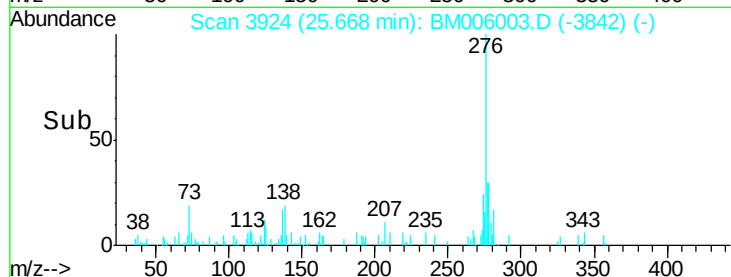
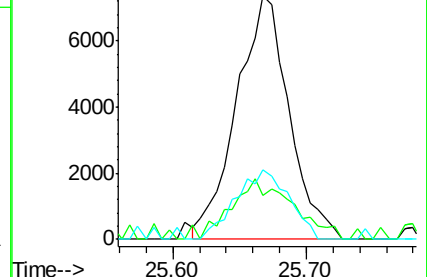
277 28.6 19.6 29.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#40

Dibenzo(a,h)anthracene

Concen: 0.04 ng/ul

RT: 25.67 min Scan# 3925

Delta R.T. -0.03 min

Lab File: BM006003.D

Acq: 25 Jun 2016 16:14

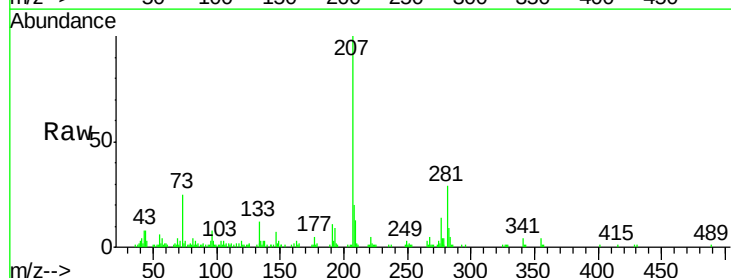
Tgt Ion:278 Resp: 5852

Ion Ratio Lower Upper

278 100

139 21.9 11.4 17.2#

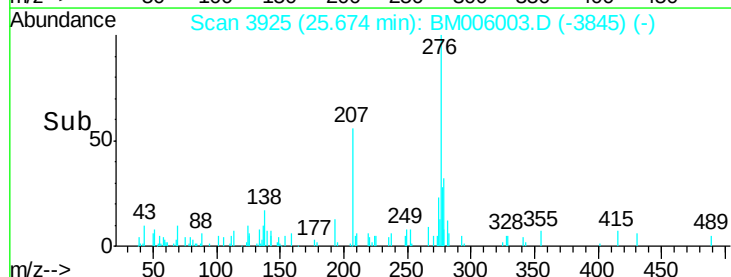
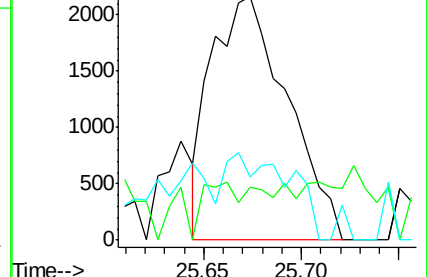
279 25.9 18.8 28.2

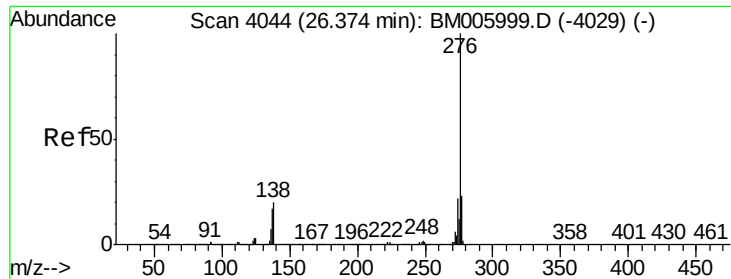


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41

Benzo(g,h,i)perylene

Concen: 0.06 ng/ul

RT: 26.33 min Scan# 4037

Delta R.T. -0.04 min

Lab File: BM006003.D

Acq: 25 Jun 2016 16:14

Instrument :

BNA_M

ClientSampleId :

D9Y62

Tgt Ion: 276 Resp: 10612

Ion Ratio Lower Upper

276 100

138 20.4 15.9 23.9

277 20.5 19.2 28.8

