

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062516\
 Data File : BM006012.D
 Acq On : 25 Jun 2016 21:38
 Operator : UM/SJ
 Sample : H3670-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y81

Quant Time: Jun 26 04:42:56 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	193842	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	984148	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	670104	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1751355	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	2641667	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	3127014	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	4923	1.13	ng/uL	0.00
3) Phenol-d5	6.83	99	175987	8.63	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	125202	11.04	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	139530	9.82	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	116265	6.75	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	77198	10.30	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	82577	9.90	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	154264	9.65	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	225533	13.00	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	618328	10.78	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	734137	11.03	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	100062	8.18	ng/ul	0.00
21) Fluorene-d10	15.30	176	555388	11.34	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	73310	7.54	ng/ul	0.00
26) Anthracene-d10	17.15	188	945863	11.76	ng/ul	0.00
30) Pyrene-d10	19.45	212	1309709	11.32	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1799899	12.75	ng/ul	0.00

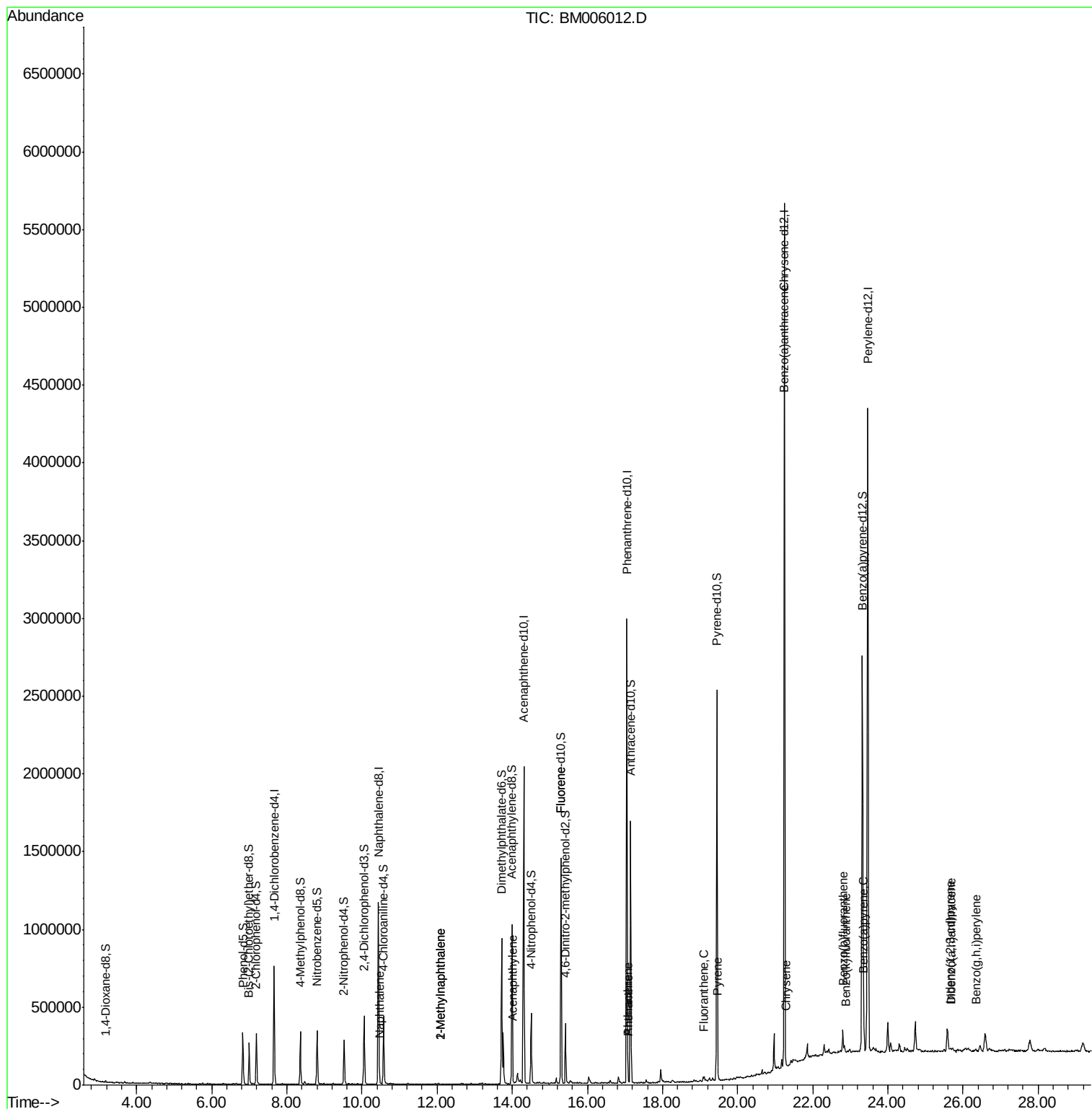
Target Compounds

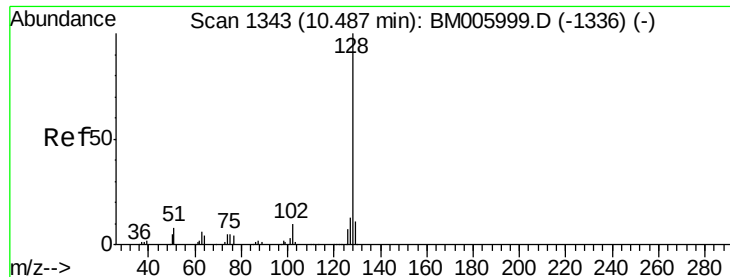
					Qvalue	
11) Naphthalene	10.49	128	1286	0.03	ng/ul#	69
13) 2-Methylnaphthalene	12.10	142	329	0.01	ng/ul	91
14) 1-Methylnaphthalene	12.10	142	329	0.01	ng/ul#	87
18) Acenaphthylene	14.02	152	711	0.01	ng/ul#	61
22) Fluorene	15.30	166	1071	0.02	ng/ul#	10
25) Phenanthrene	17.09	178	6269	0.07	ng/ul	98
27) Anthracene	17.09	178	6269	0.06	ng/ul	99
28) Fluoranthene	19.12	202	16526	0.14	ng/ul	99
31) Pyrene	19.47	202	16441	0.11	ng/ul#	89
32) Benzo(a)anthracene	21.23	228	20476	0.13	ng/ul	98
33) Chrysene	21.28	228	13549	0.09	ng/ul	96
35) Benzo(b)fluoranthene	22.80	252	25361	0.14	ng/ul#	95
36) Benzo(k)fluoranthene	22.89	252	359	0.00	ng/ul#	1
38) Benzo(a)pyrene	23.36	252	17486	0.10	ng/ul#	87
39) Indeno(1,2,3-cd)pyrene	25.66	276	14472	0.07	ng/ul#	94
40) Dibenzo(a,h)anthracene	25.69	278	2686	0.02	ng/ul#	92
41) Benzo(g,h,i)perylene	26.34	276	13876	0.08	ng/ul#	85

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

```
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Sample    : H3670-07  
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ALS Vial  : 20      Sample Multiplier: 1
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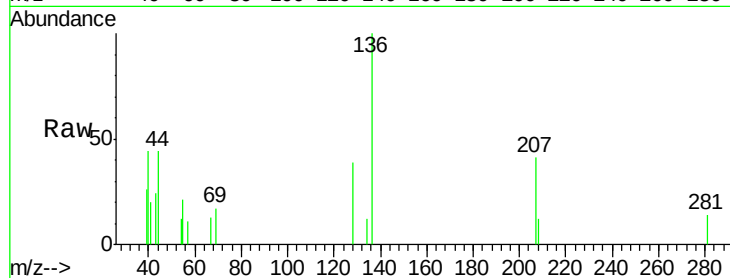




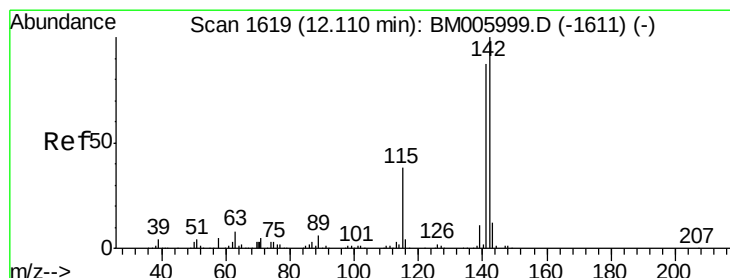
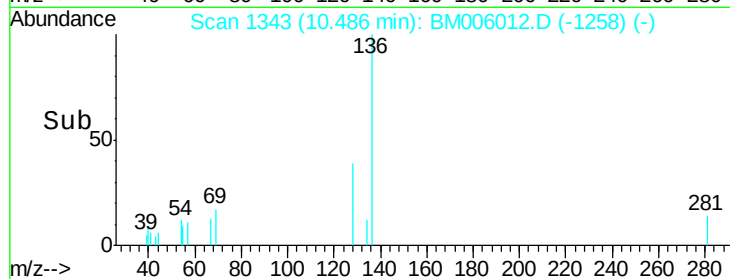
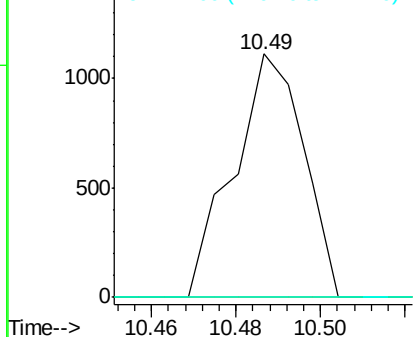
#11
Naphthalene
Concen: 0.03 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BM006012.D
Acq: 25 Jun 2016 21:38

Instrument :
BNA_M
ClientSampleId :
D9Y81

Tgt Ion:128 Resp: 1286
Ion Ratio Lower Upper
128 100
129 0.0 8.6 13.0#
127 0.0 10.2 15.4#

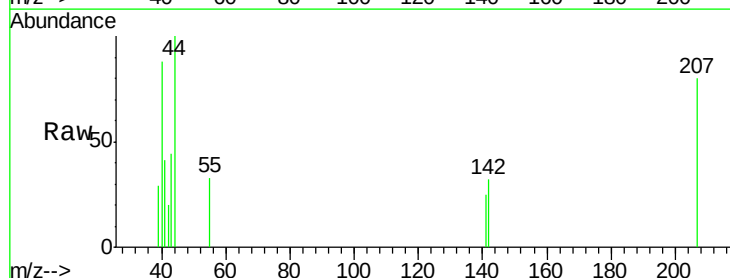


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

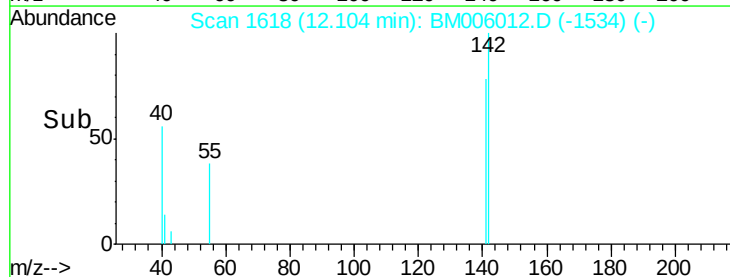
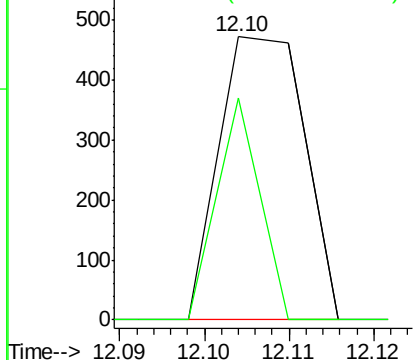


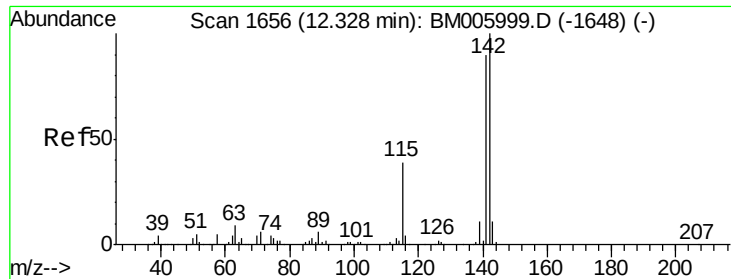
#13
2-Methylnaphthalene
Concen: 0.01 ng/ul
RT: 12.10 min Scan# 1618
Delta R.T. -0.01 min
Lab File: BM006012.D
Acq: 25 Jun 2016 21:38

Tgt Ion:142 Resp: 329
Ion Ratio Lower Upper
142 100
141 78.4 69.4 104.2



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

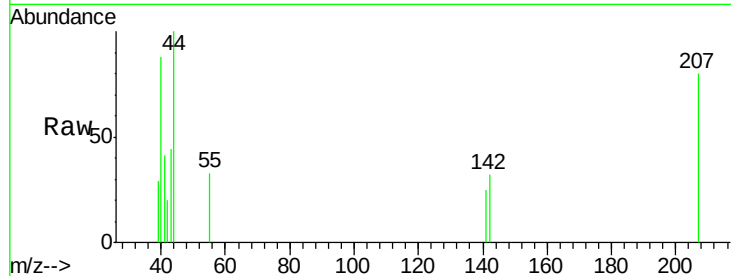




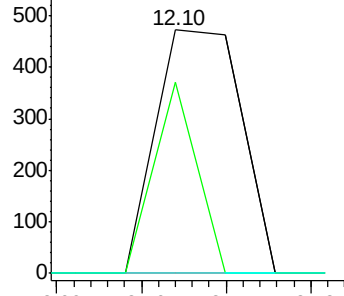
#14
1-Methylnaphthalene
Concen: 0.01 ng/ul
RT: 12.10 min Scan# 1618
Delta R.T. -0.22 min
Lab File: BM006012.D
Acq: 25 Jun 2016 21:38

Instrument :
BNA_M
ClientSampleId :
D9Y81

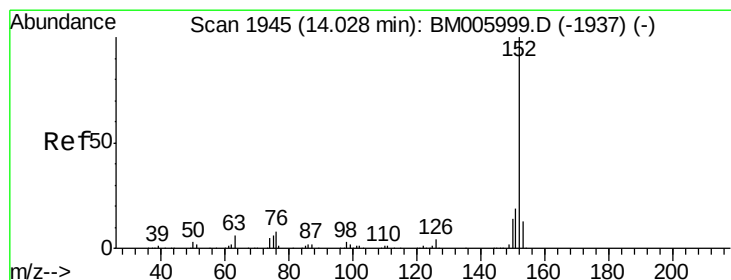
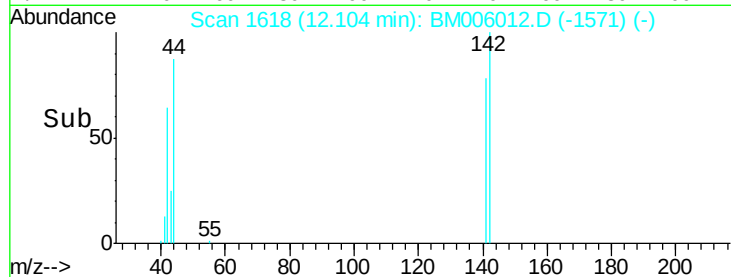
Tgt Ion:142 Resp: 329
Ion Ratio Lower Upper
142 100
141 78.4 72.3 108.5
116 0.0 3.4 5.0#



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

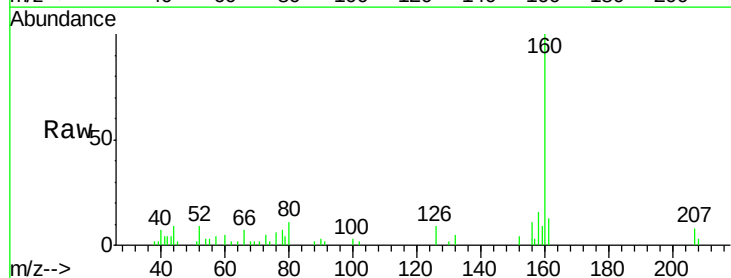


Time--> 12.09 12.10 12.11 12.12

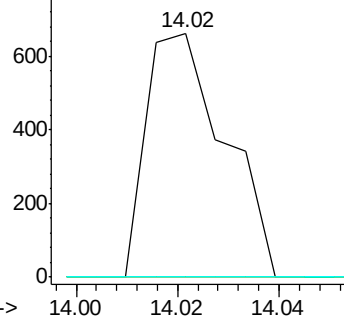


#18
Acenaphthylene
Concen: 0.01 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BM006012.D
Acq: 25 Jun 2016 21:38

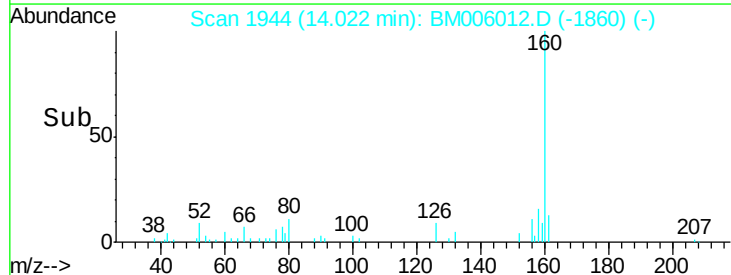
Tgt Ion:152 Resp: 711
Ion Ratio Lower Upper
152 100
151 0.0 15.5 23.3#
153 0.0 10.5 15.7#

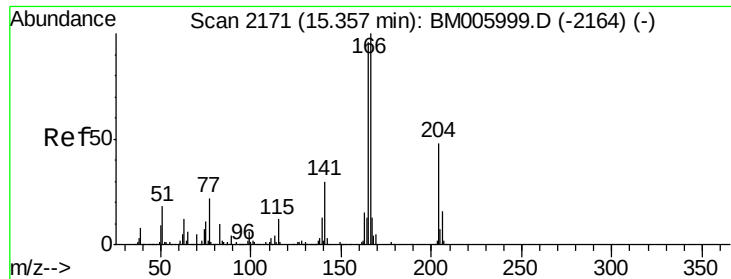


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time--> 14.00 14.02 14.04

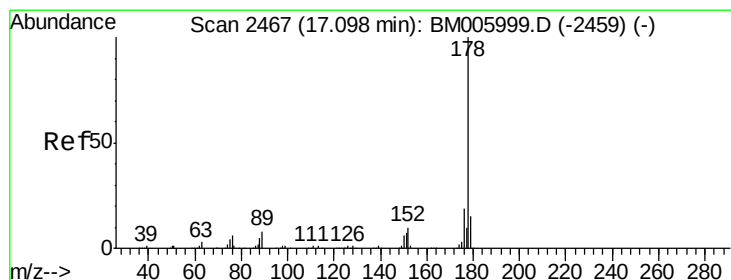
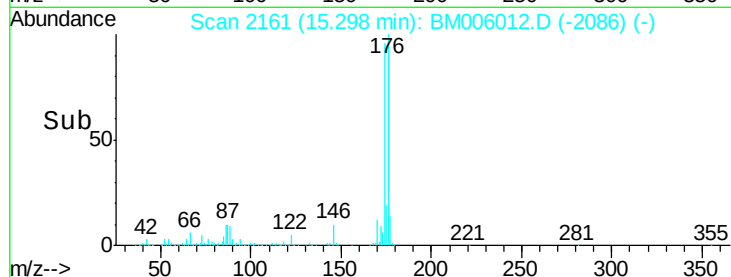
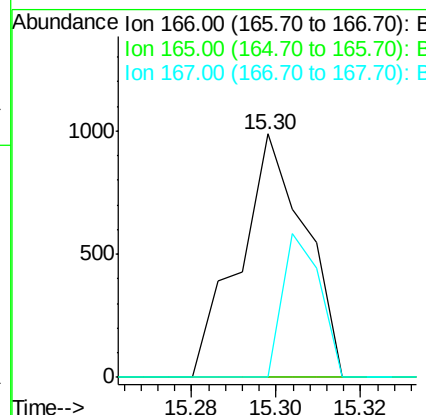
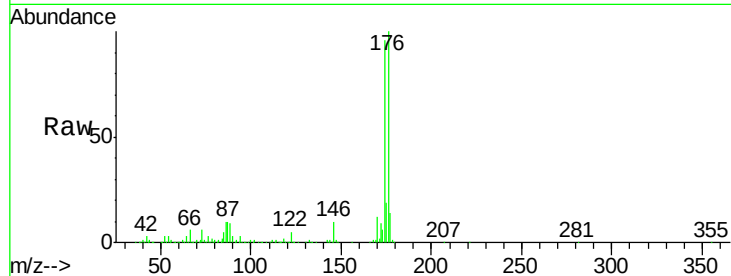




#22
Fluorene
Concen: 0.02 ng/ul
RT: 15.30 min Scan# 2161
Delta R.T. -0.06 min
Lab File: BM006012.D
Acq: 25 Jun 2016 21:38

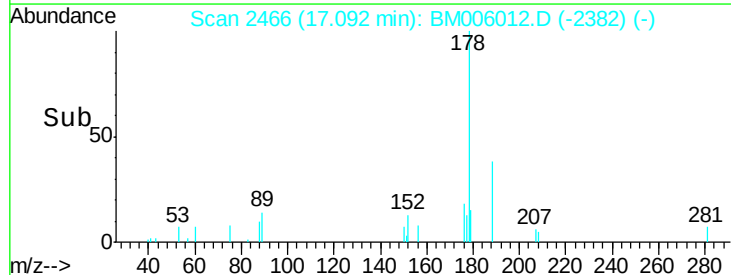
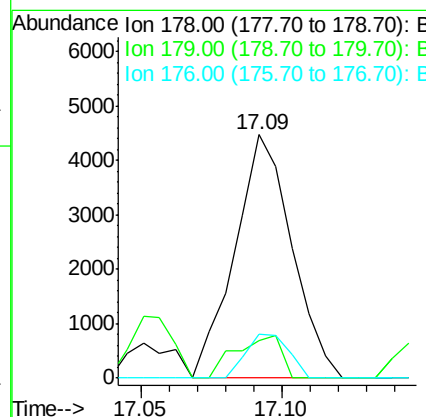
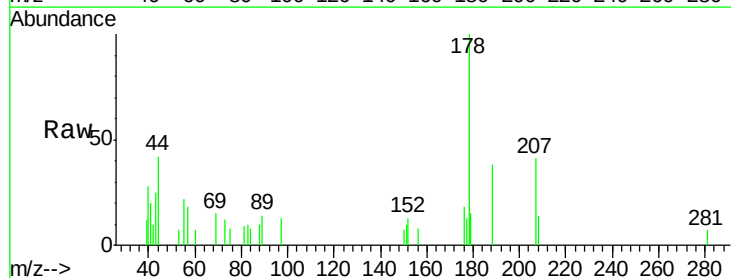
Instrument :
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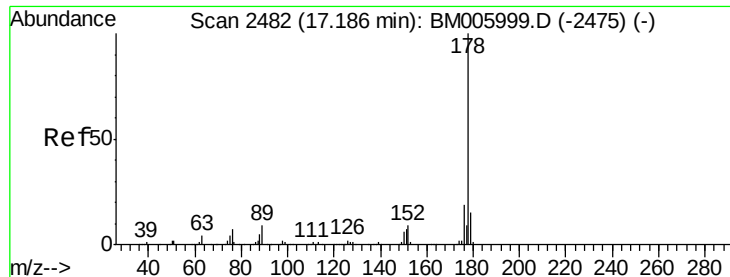
Tgt Ion:166 Resp: 1071
Ion Ratio Lower Upper
166 100
165 0.0 76.8 115.2#
167 0.0 10.8 16.2#



#25
Phenanthrene
Concen: 0.07 ng/ul
RT: 17.09 min Scan# 2466
Delta R.T. -0.01 min
Lab File: BM006012.D
Acq: 25 Jun 2016 21:38

Tgt Ion:178 Resp: 6269
Ion Ratio Lower Upper
178 100
179 15.3 12.1 18.1
176 17.8 15.4 23.0

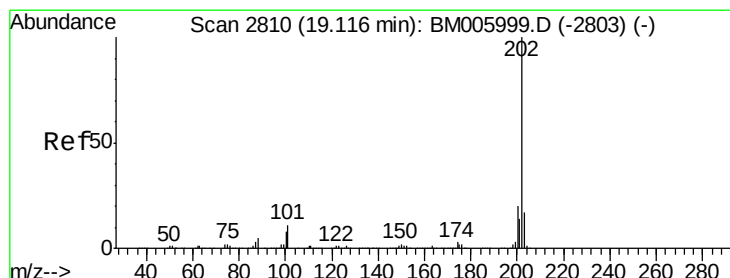
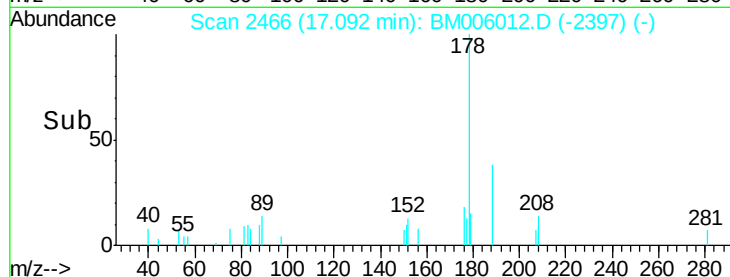
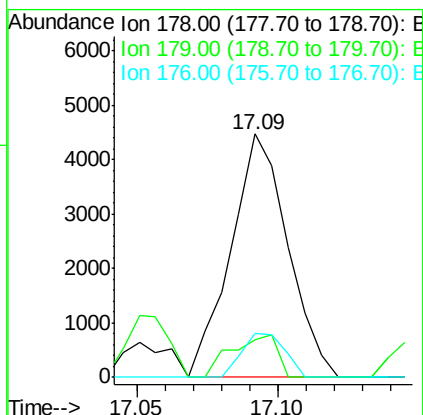
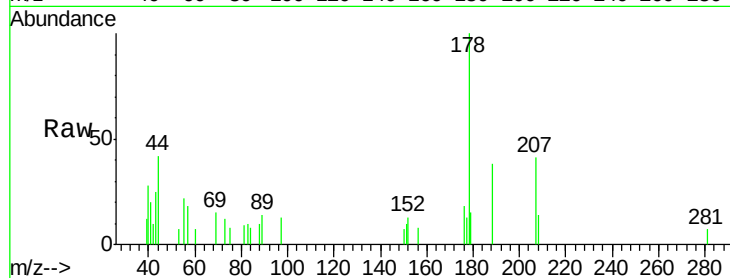




#27
 Anthracene
 Concen: 0.06 ng/ul
 RT: 17.09 min Scan# 2466
 Delta R.T. -0.09 min
 Lab File: BM006012.D
 Acq: 25 Jun 2016 21:38

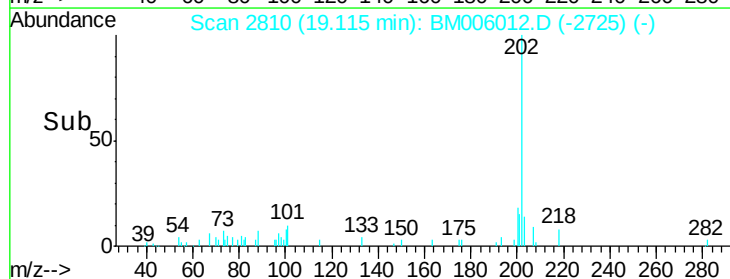
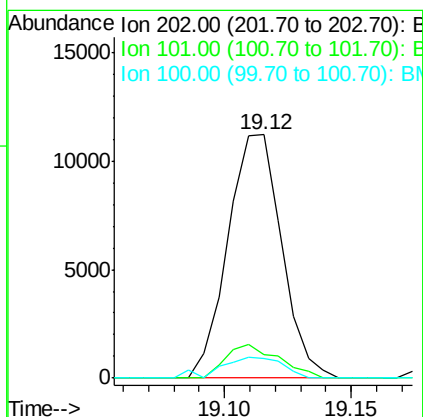
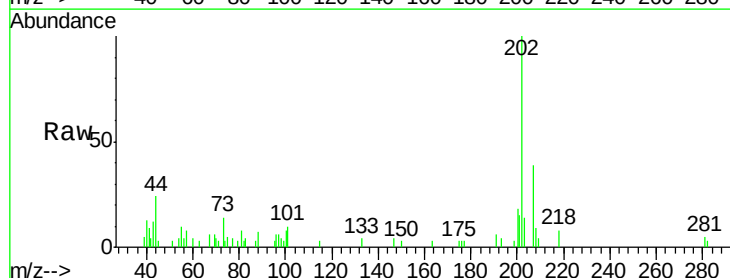
Instrument :
 BNA_M
 ClientSampleId :
 D9Y81

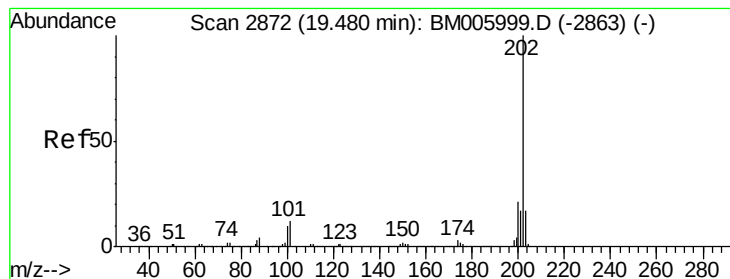
Tgt Ion:178 Resp: 6269
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.2 18.4
 176 17.8 14.9 22.3



#28
 Fluoranthene
 Concen: 0.14 ng/ul
 RT: 19.12 min Scan# 2810
 Delta R.T. -0.00 min
 Lab File: BM006012.D
 Acq: 25 Jun 2016 21:38

Tgt Ion:202 Resp: 16526
 Ion Ratio Lower Upper
 202 100
 101 9.6 8.2 12.4
 100 7.8 6.3 9.5





#31

Pyrene

Concen: 0.11 ng/ul

RT: 19.47 min Scan# 2871

Delta R.T. -0.01 min

Lab File: BM006012.D

Acq: 25 Jun 2016 21:38

Instrument :

BNA_M

ClientSampleId :

D9Y81

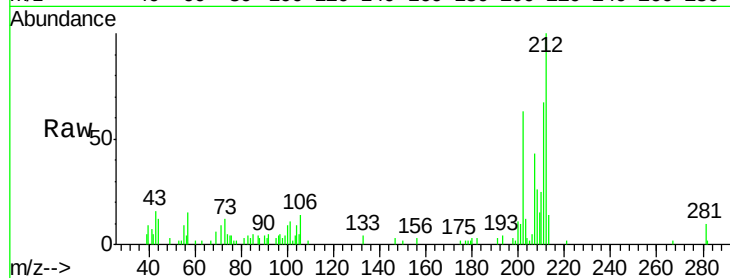
Tgt Ion:202 Resp: 16441

Ion Ratio Lower Upper

202 100

101 16.6 9.8 14.6#

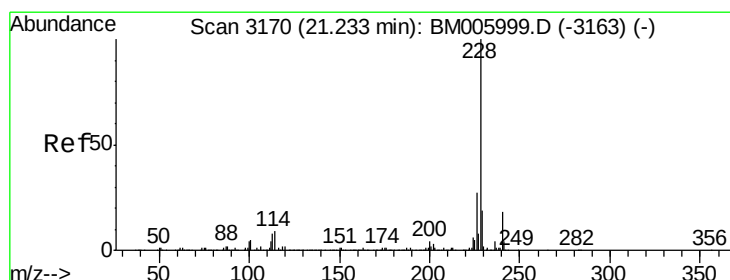
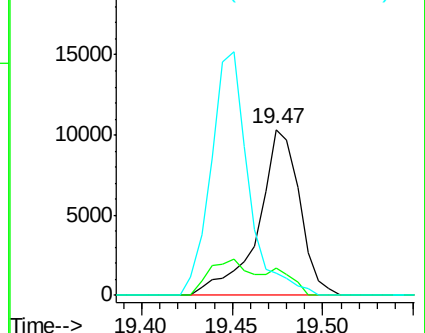
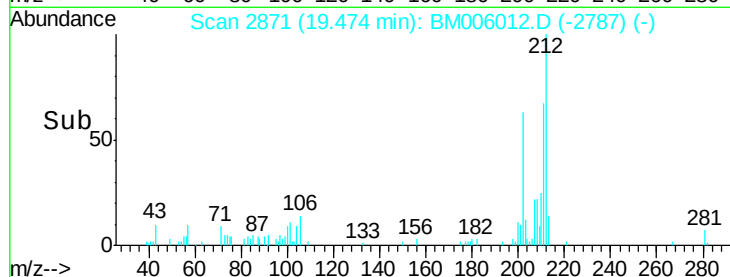
100 13.7 8.2 12.2#



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: 0.13 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BM006012.D

Acq: 25 Jun 2016 21:38

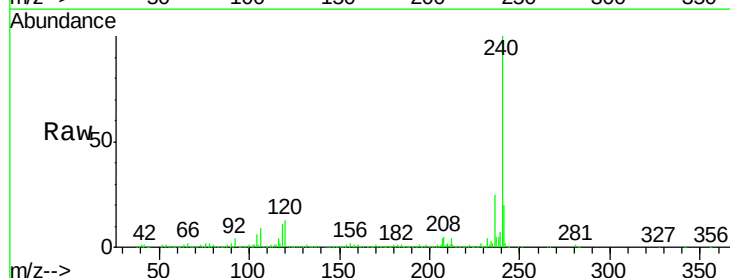
Tgt Ion:228 Resp: 20476

Ion Ratio Lower Upper

228 100

229 17.3 15.8 23.6

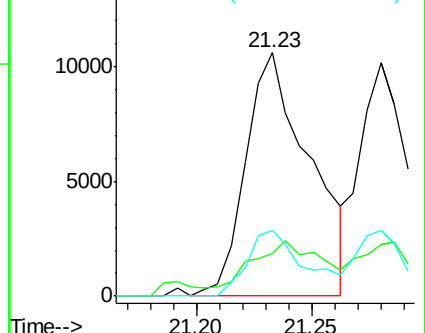
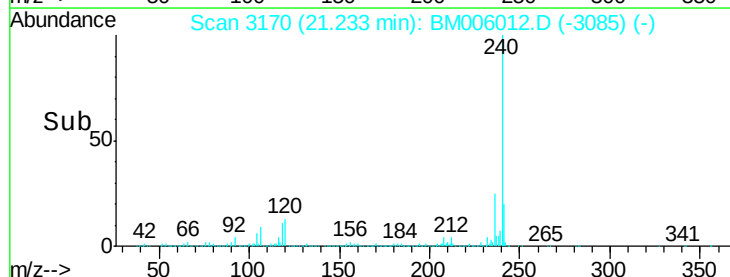
226 26.9 21.5 32.3

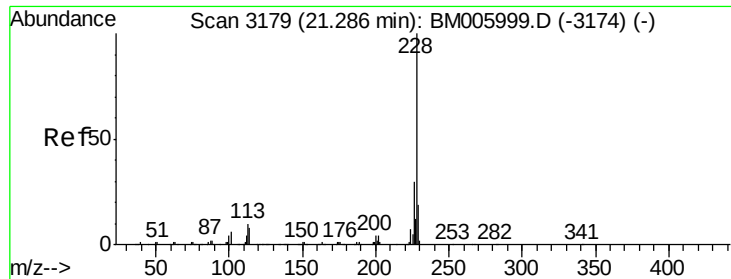


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 0.09 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BM006012.D

Acq: 25 Jun 2016 21:38

Instrument :

BNA_M

ClientSampleId :

D9Y81

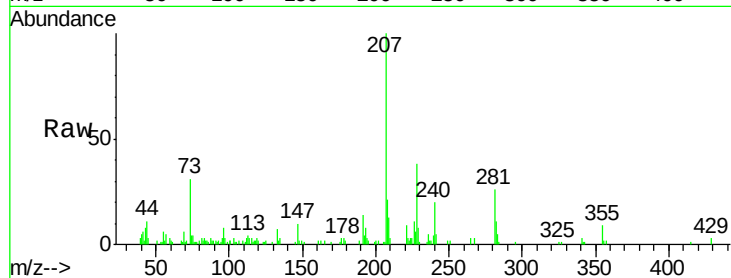
Tgt Ion:228 Resp: 13549

Ion Ratio Lower Upper

228 100

226 28.5 24.3 36.5

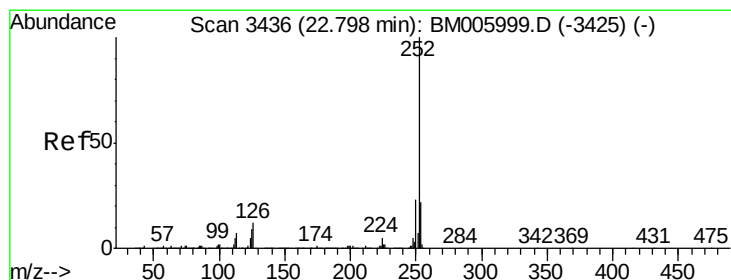
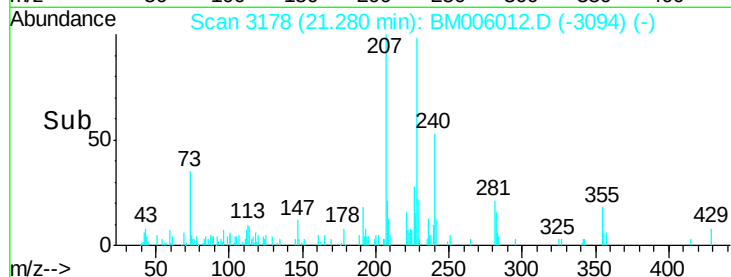
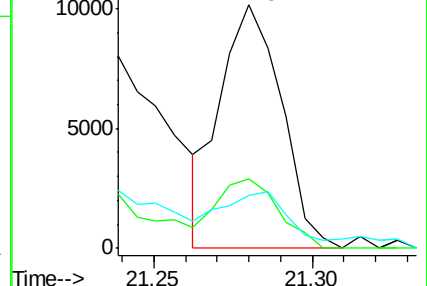
229 21.9 15.4 23.2



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: 0.14 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006012.D

Acq: 25 Jun 2016 21:38

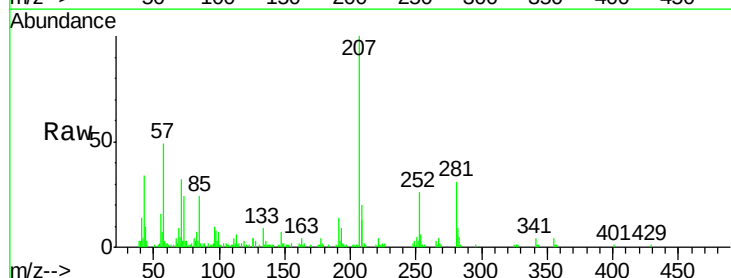
Tgt Ion:252 Resp: 25361

Ion Ratio Lower Upper

252 100

253 21.2 17.2 25.8

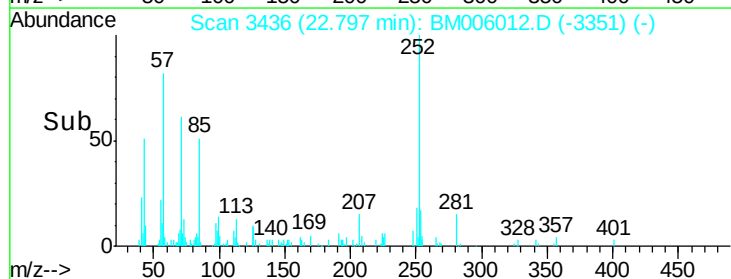
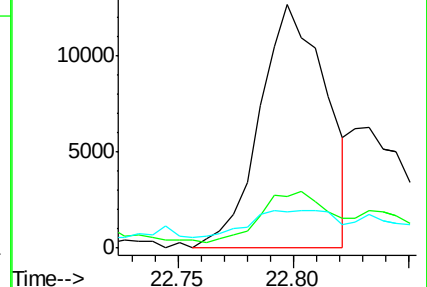
125 14.7 6.8 10.2#

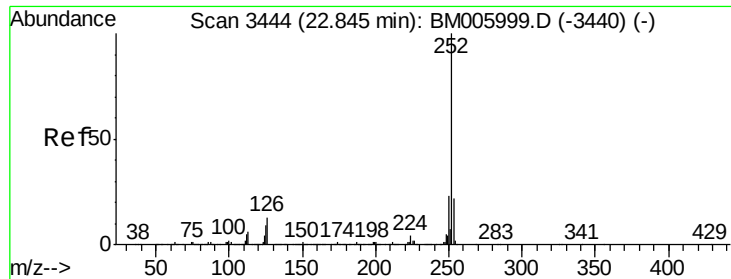


Abundance Ion 252.00 (251.70 to 252.70): E

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: 22.89 min Scan# 3451

Delta R.T. 0.04 min

Lab File: BM006012.D

Acq: 25 Jun 2016 21:38

Instrument :

BNA_M

ClientSampleId :

D9Y81

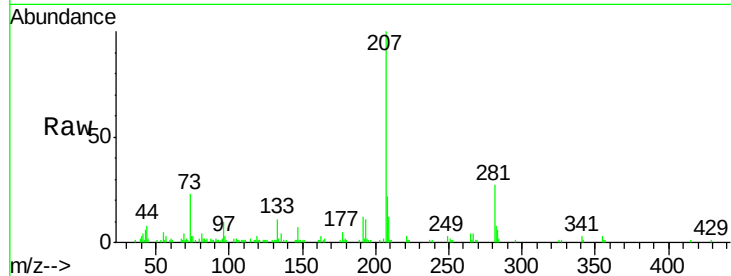
Tgt Ion:252 Resp: 359

Ion Ratio Lower Upper

252 100

253 84.7 17.3 25.9#

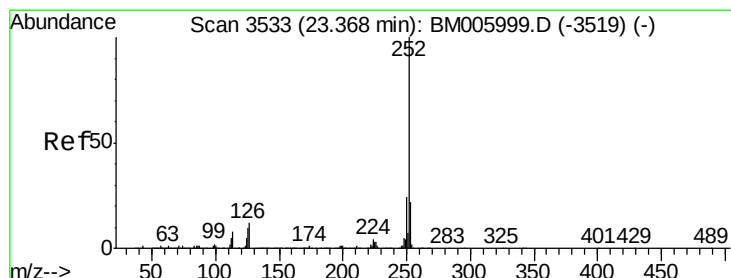
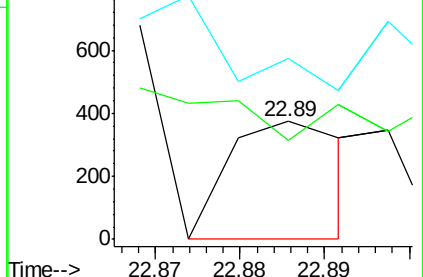
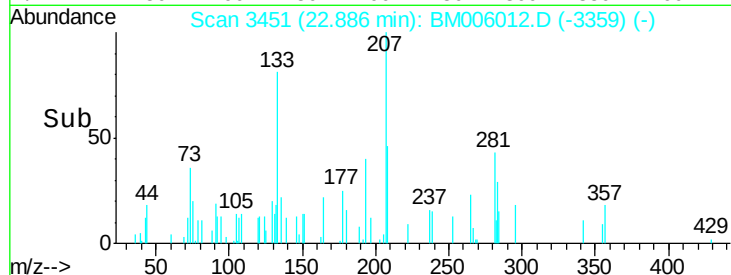
125 153.6 7.0 10.4#



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



#38

Benzo(a)pyrene

Concen: 0.10 ng/ul

RT: 23.36 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BM006012.D

Acq: 25 Jun 2016 21:38

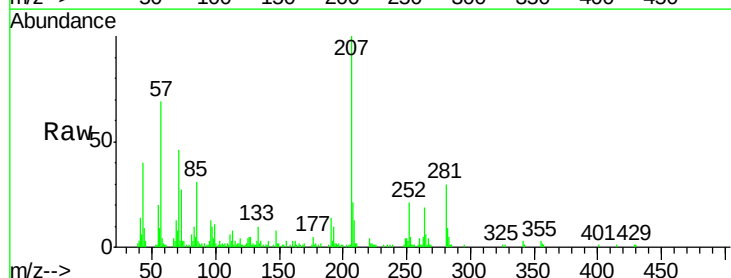
Tgt Ion:252 Resp: 17486

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

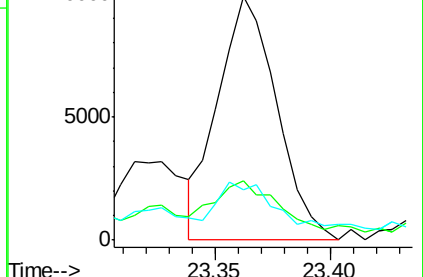
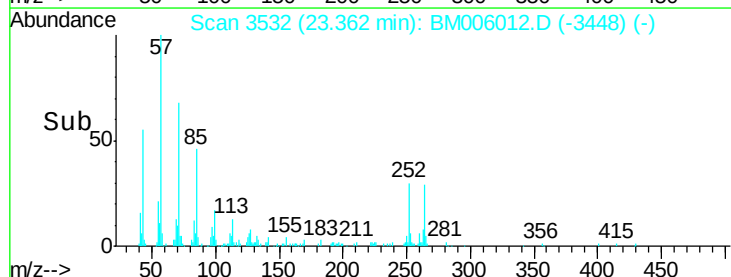
125 20.6 7.8 11.6#

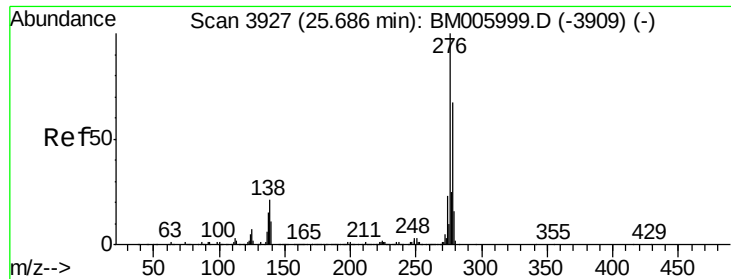


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.07 ng/ul

RT: 25.66 min Scan# 3923

Delta R.T. -0.02 min

Lab File: BM006012.D

Acq: 25 Jun 2016 21:38

Instrument :

BNA_M

ClientSampleId :

D9Y81

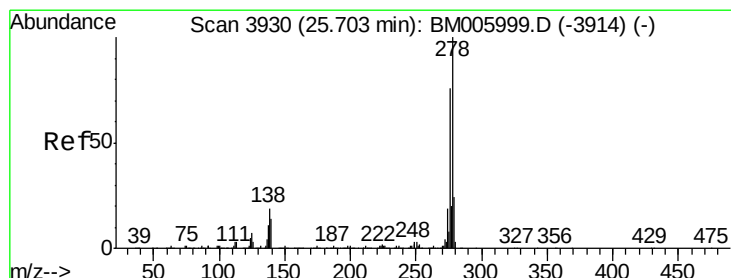
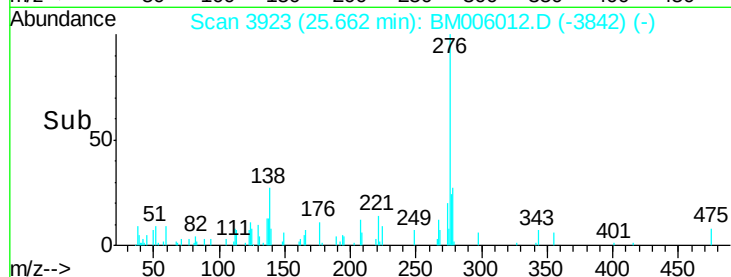
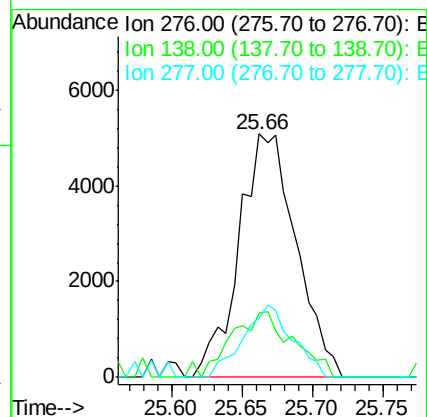
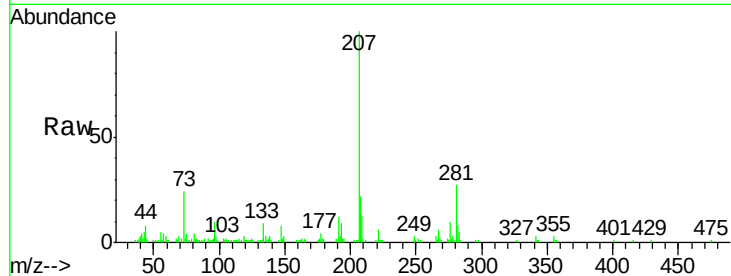
Tgt Ion:276 Resp: 14472

Ion Ratio Lower Upper

276 100

138 26.6 16.6 25.0#

277 24.2 19.6 29.4



#40

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 25.69 min Scan# 3927

Delta R.T. -0.02 min

Lab File: BM006012.D

Acq: 25 Jun 2016 21:38

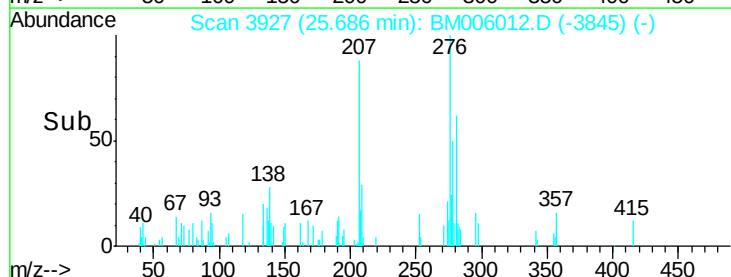
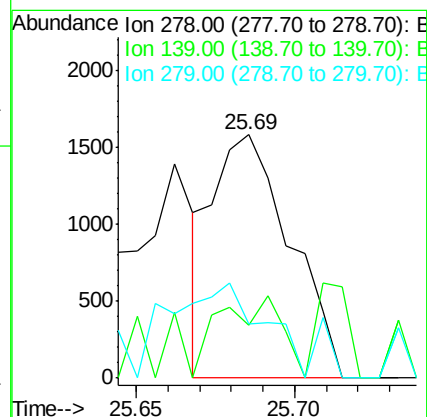
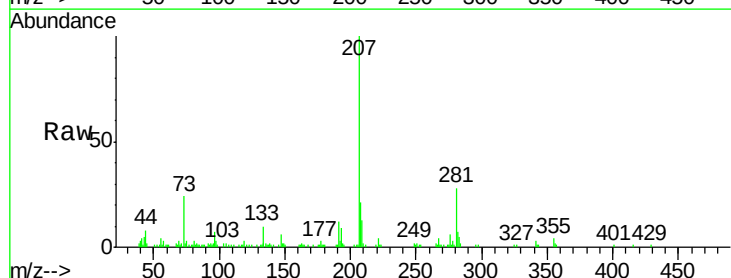
Tgt Ion:278 Resp: 2686

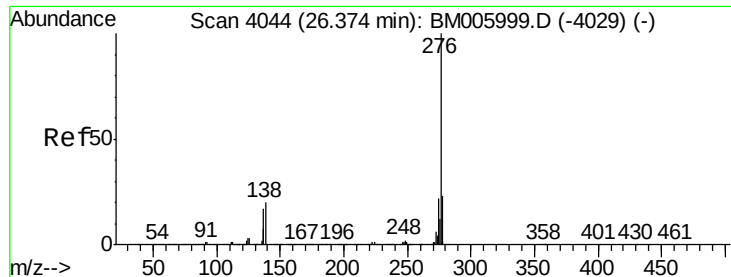
Ion Ratio Lower Upper

278 100

139 21.4 11.4 17.2#

279 22.4 18.8 28.2





#41

Benzo(g,h,i)perylene

Concen: 0.08 ng/ul

RT: 26.34 min Scan# 4039

Delta R.T. -0.03 min

Lab File: BM006012.D

Acq: 25 Jun 2016 21:38

Instrument :

BNA_M

ClientSampleId :

D9Y81

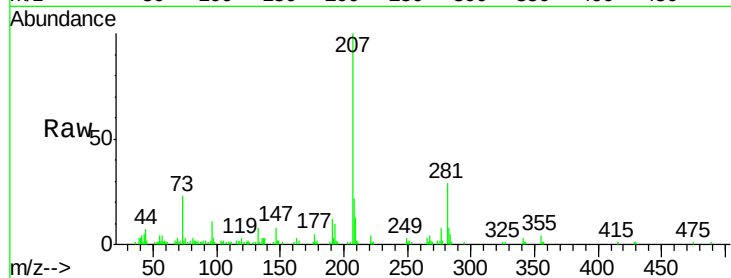
Tgt Ion: 276 Resp: 13876

Ion Ratio Lower Upper

276 100

138 30.2 15.9 23.9#

277 28.6 19.2 28.8



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

