

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062516\
 Data File : BM006014.D
 Acq On : 25 Jun 2016 22:50
 Operator : UM/SJ
 Sample : H3670-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y83

Quant Time: Jun 26 04:43:15 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	209712	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1040331	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	681822	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1732157	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	2464602	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	2912969	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	11304	2.41	ng/uL	0.00
3) Phenol-d5	6.83	99	445647	20.20	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	292520	23.83	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	344963	22.45	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	330779	17.76	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	182167	23.00	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	202173	22.94	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	371560	21.98	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	445484	24.29	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1304327	22.35	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1631987	24.11	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	260143	20.89	ng/ul	0.00
21) Fluorene-d10	15.30	176	1169563	23.47	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	197418	20.53	ng/ul	0.00
26) Anthracene-d10	17.15	188	1910998	24.02	ng/ul	0.00
30) Pyrene-d10	19.45	212	2439077	22.59	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	3144156	23.91	ng/ul	0.00

Target Compounds

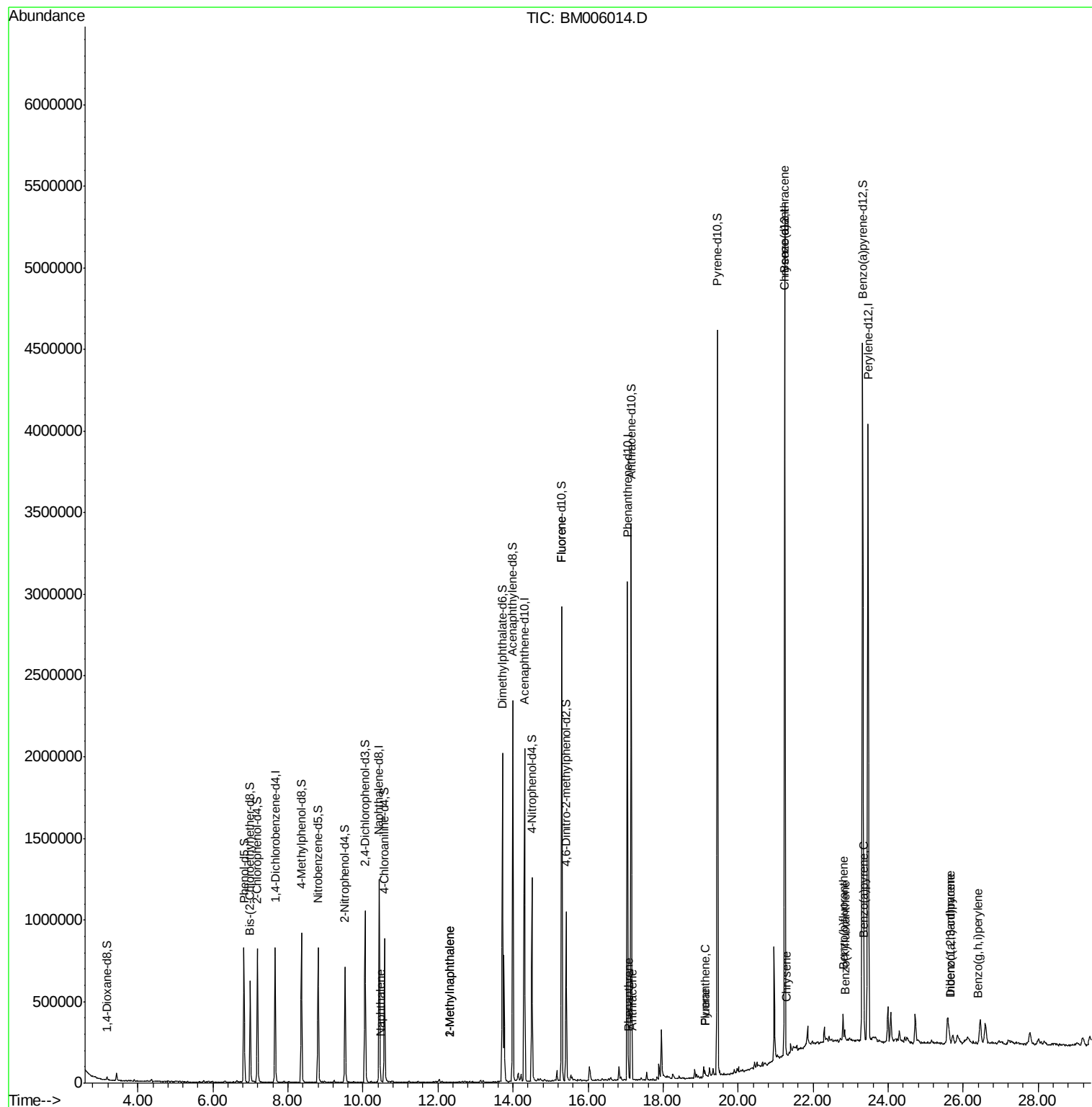
						Qvalue
11) Naphthalene	10.49	128	1364	0.03	ng/ul#	69
13) 2-Methylnaphthalene	12.33	142	1060	0.03	ng/ul	82
14) 1-Methylnaphthalene	12.33	142	1060	0.03	ng/ul#	79
22) Fluorene	15.30	166	2839	0.05	ng/ul#	8
25) Phenanthrene	17.09	178	9674	0.10	ng/ul#	92
27) Anthracene	17.19	178	935	0.01	ng/ul#	61
28) Fluoranthene	19.11	202	13979	0.12	ng/ul#	95
31) Pyrene	19.11	202	13979	0.10	ng/ul	97
32) Benzo(a)anthracene	21.23	228	17664	0.12	ng/ul#	90
33) Chrysene	21.28	228	11869	0.09	ng/ul#	89
35) Benzo(b)fluoranthene	22.79	252	15222	0.09	ng/ul#	69
36) Benzo(k)fluoranthene	22.87	252	309	0.00	ng/ul#	1
38) Benzo(a)pyrene	23.36	252	8929	0.06	ng/ul#	51
39) Indeno(1,2,3-cd)pyrene	25.67	276	3576	0.02	ng/ul#	74
40) Dibenzo(a,h)anthracene	25.67	278	287	0.00	ng/ul#	34
41) Benzo(g,h,i)perylene	26.39	276	123	0.00	ng/ul#	54

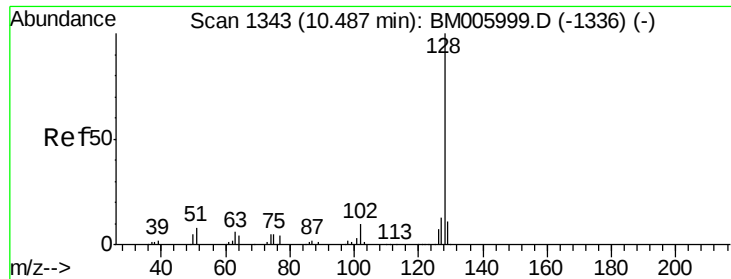
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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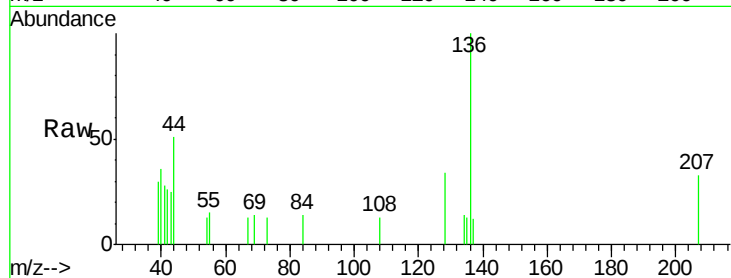




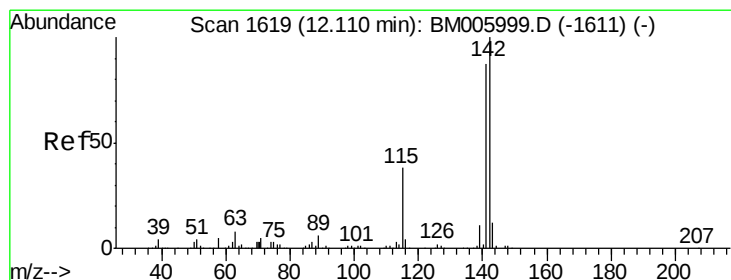
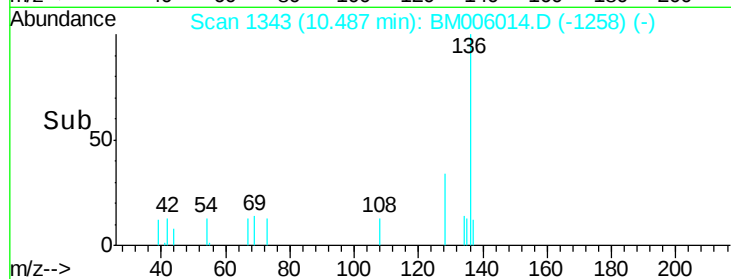
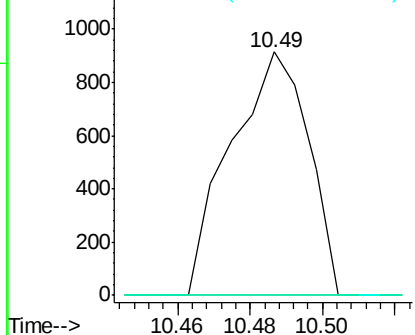
#11
Naphthalene
Concen: 0.03 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BM006014.D
Acq: 25 Jun 2016 22:50

Instrument :
BNA_M
ClientSampleId :
D9Y83

Tgt Ion:128 Resp: 1364
Ion Ratio Lower Upper
128 100
129 0.0 8.6 13.0#
127 0.0 10.2 15.4#

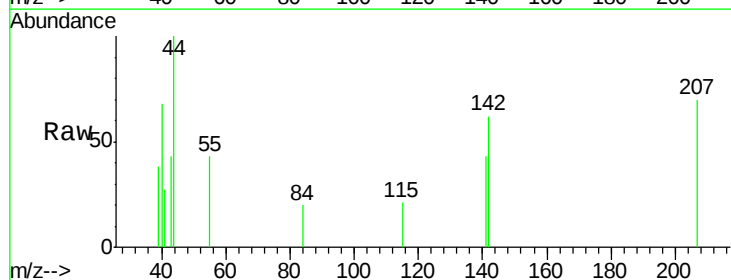


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

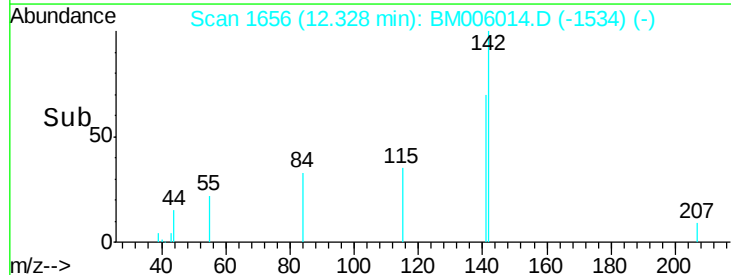
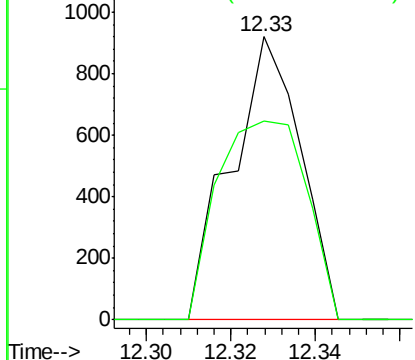


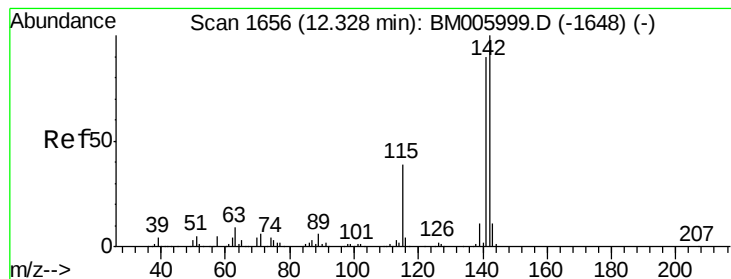
#13
2-Methylnaphthalene
Concen: 0.03 ng/ul
RT: 12.33 min Scan# 1656
Delta R.T. 0.22 min
Lab File: BM006014.D
Acq: 25 Jun 2016 22:50

Tgt Ion:142 Resp: 1060
Ion Ratio Lower Upper
142 100
141 70.1 69.4 104.2



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

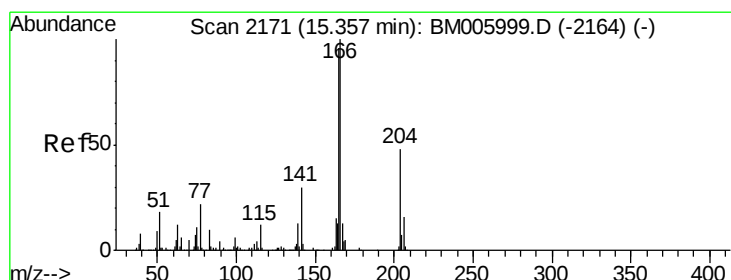
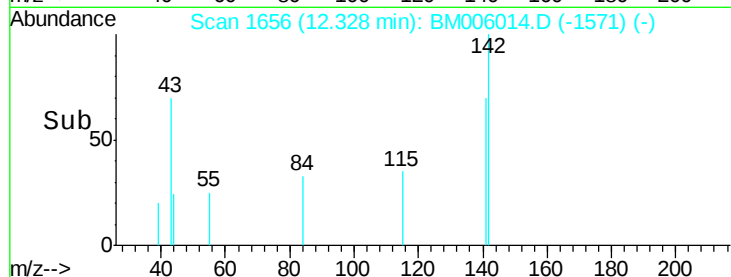
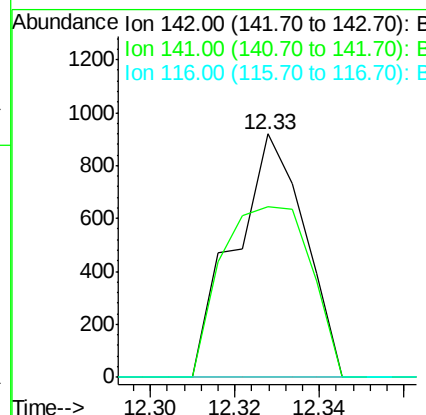
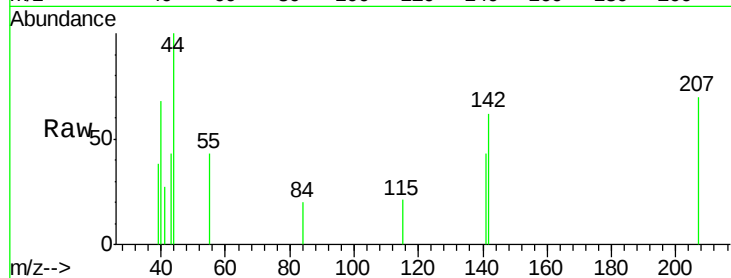




#14
1-Methylnaphthalene
Concen: 0.03 ng/ul
RT: 12.33 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BM006014.D
Acq: 25 Jun 2016 22:50

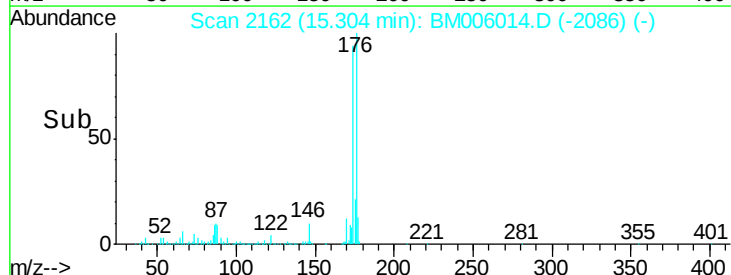
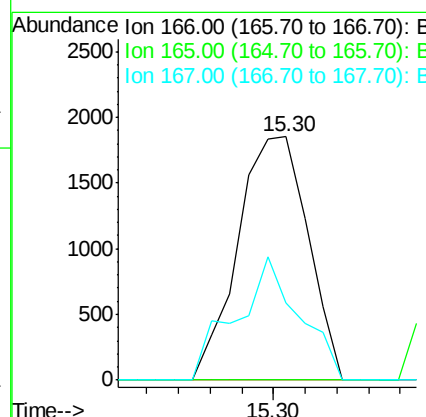
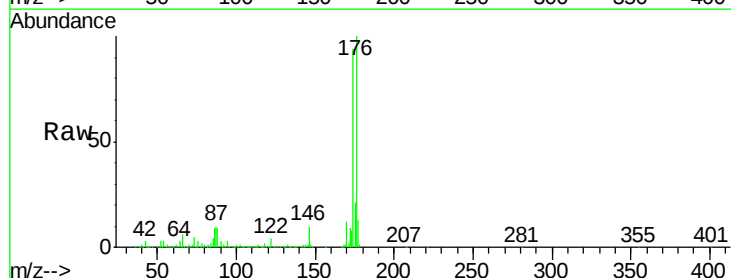
Instrument :
BNA_M
ClientSampleId :
D9Y83

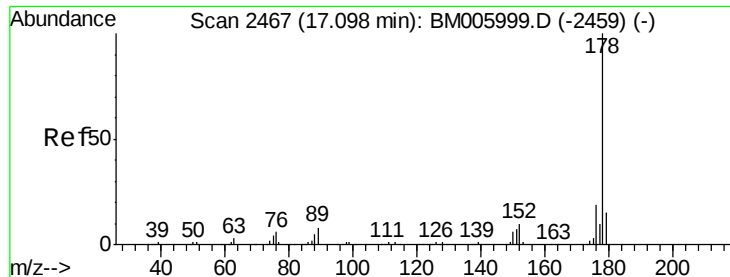
Tgt Ion:142 Resp: 1060
Ion Ratio Lower Upper
142 100
141 70.1 72.3 108.5#
116 0.0 3.4 5.0#



#22
Fluorene
Concen: 0.05 ng/ul
RT: 15.30 min Scan# 2162
Delta R.T. -0.05 min
Lab File: BM006014.D
Acq: 25 Jun 2016 22:50

Tgt Ion:166 Resp: 2839
Ion Ratio Lower Upper
166 100
165 0.0 76.8 115.2#
167 31.7 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: BM006014.D

Acq: 25 Jun 2016 22:50

Instrument :

BNA_M

ClientSampleId :

D9Y83

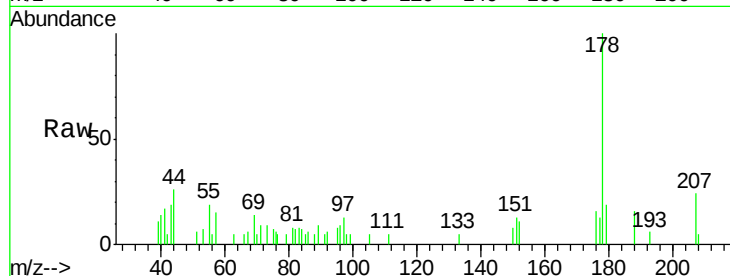
Tgt Ion:178 Resp: 9674

Ion Ratio Lower Upper

178 100

179 18.8 12.1 18.1#

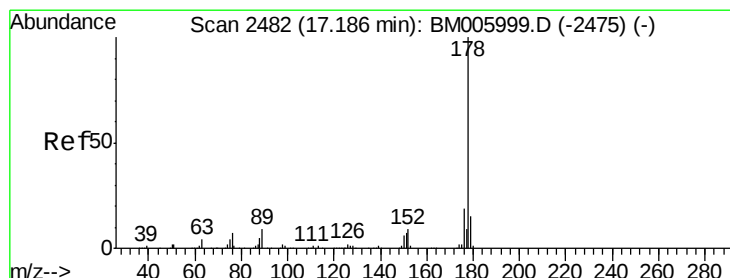
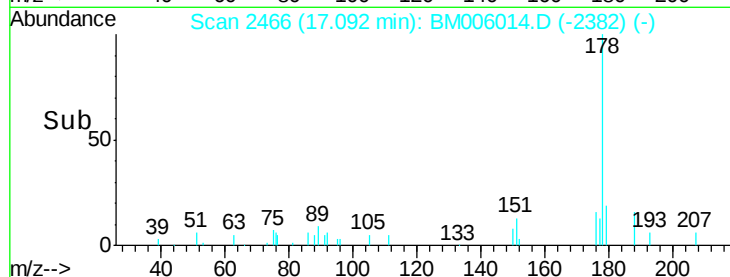
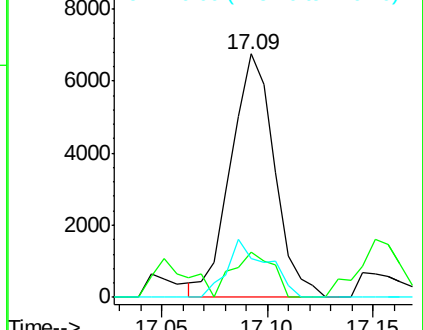
176 16.1 15.4 23.0



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: 0.01 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. -0.00 min

Lab File: BM006014.D

Acq: 25 Jun 2016 22:50

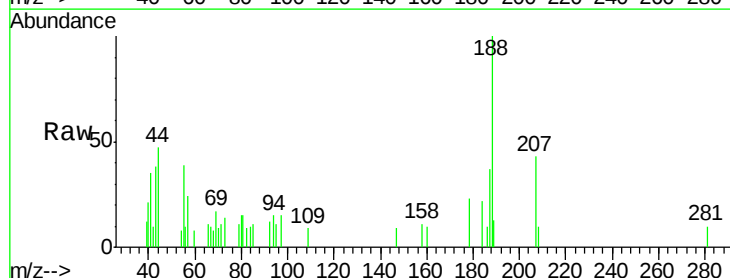
Tgt Ion:178 Resp: 935

Ion Ratio Lower Upper

178 100

179 0.0 12.2 18.4#

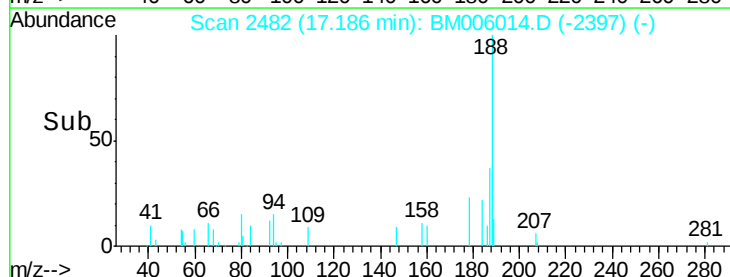
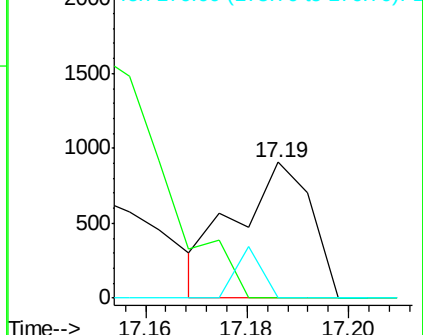
176 0.0 14.9 22.3#

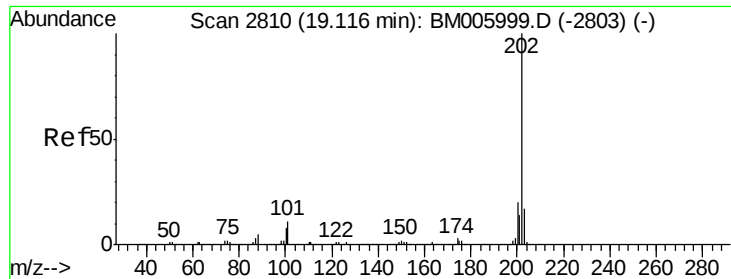


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 0.12 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BM006014.D

Acq: 25 Jun 2016 22:50

Instrument :

BNA_M

ClientSampled :

D9Y83

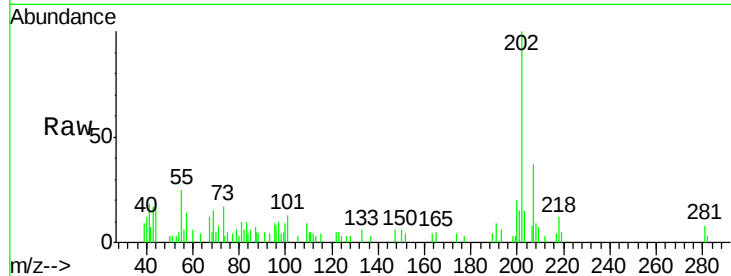
Tgt Ion:202 Resp: 13979

Ion Ratio Lower Upper

202 100

101 12.8 8.2 12.4#

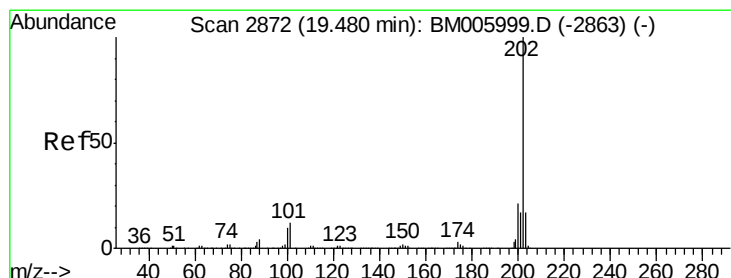
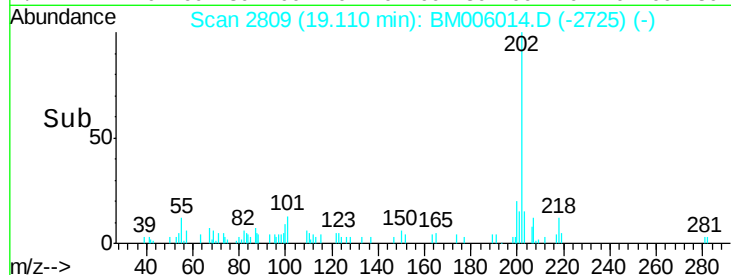
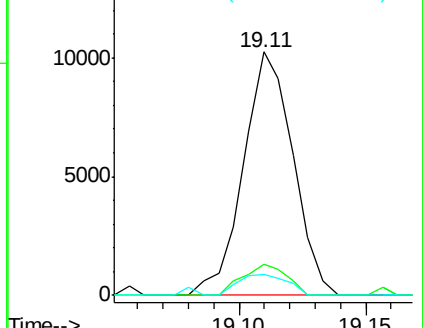
100 8.8 6.3 9.5



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: 0.10 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. -0.37 min

Lab File: BM006014.D

Acq: 25 Jun 2016 22:50

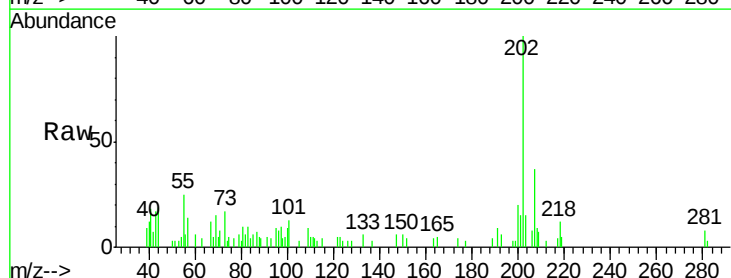
Tgt Ion:202 Resp: 13979

Ion Ratio Lower Upper

202 100

101 12.8 9.8 14.6

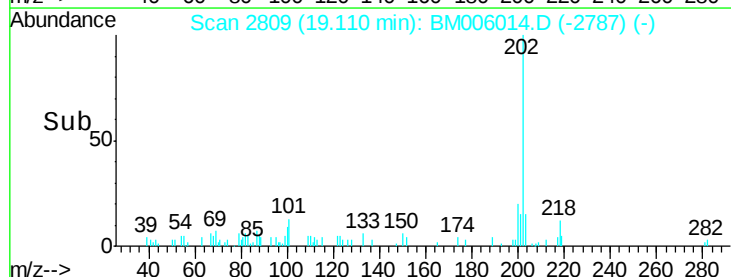
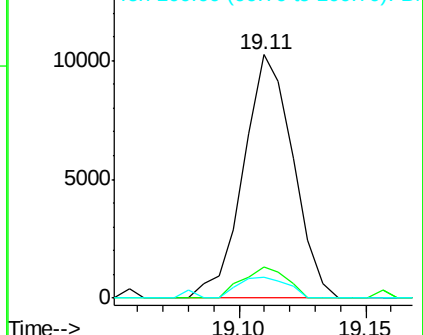
100 8.8 8.2 12.2

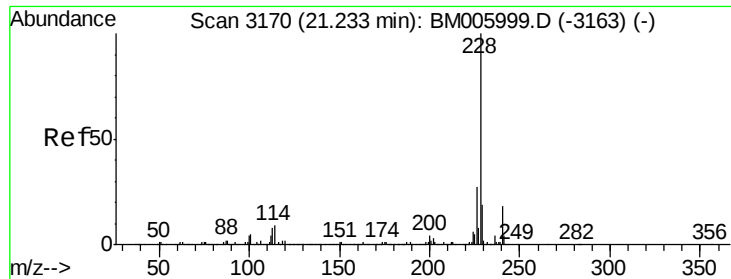


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 0.12 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BM006014.D

Acq: 25 Jun 2016 22:50

Instrument :

BNA_M

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D9Y83

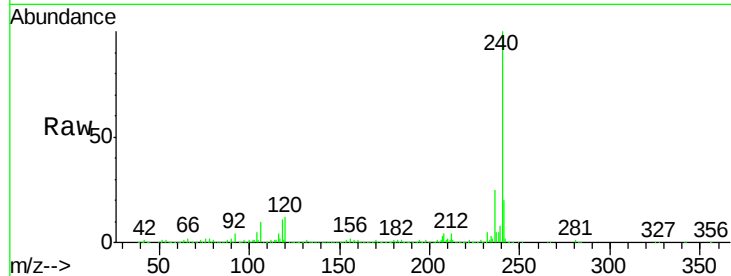
Tgt Ion:228 Resp: 17664

Ion Ratio Lower Upper

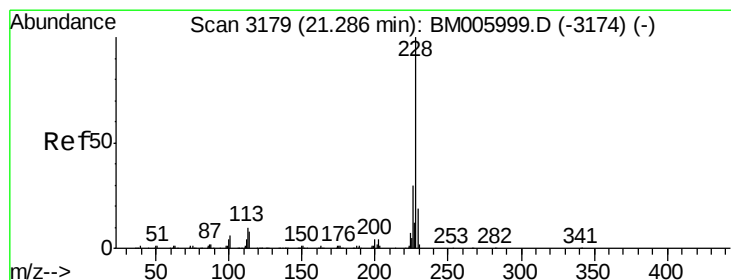
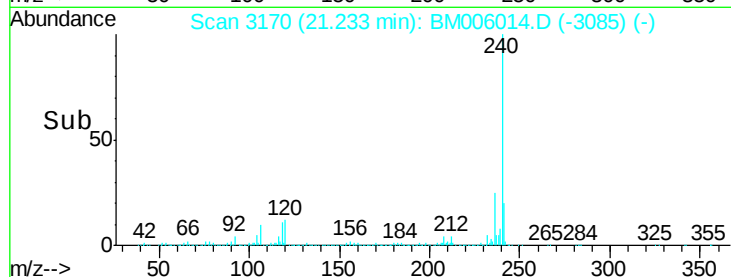
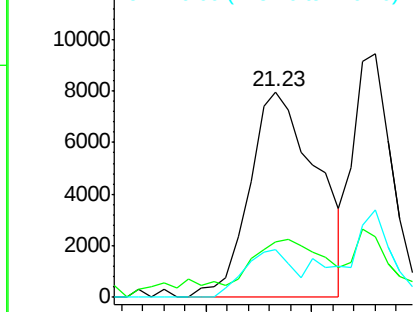
228 100

229 26.8 15.8 23.6#

226 23.4 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: BM006014.D

Acq: 25 Jun 2016 22:50

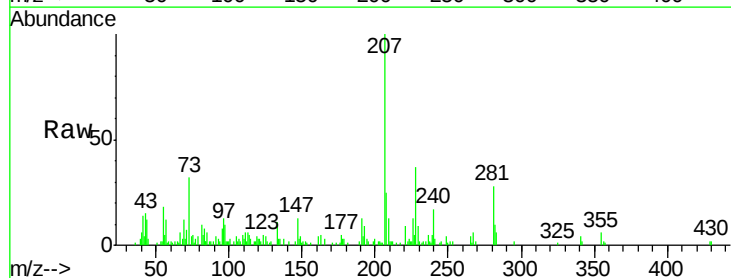
Tgt Ion:228 Resp: 11869

Ion Ratio Lower Upper

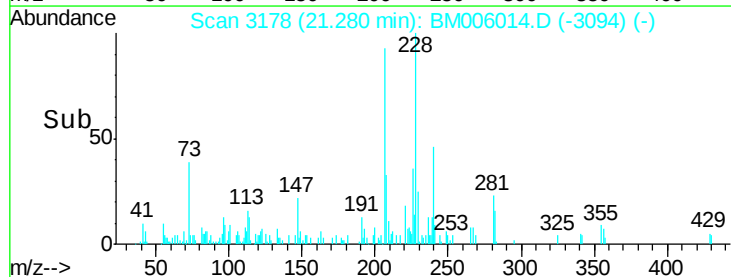
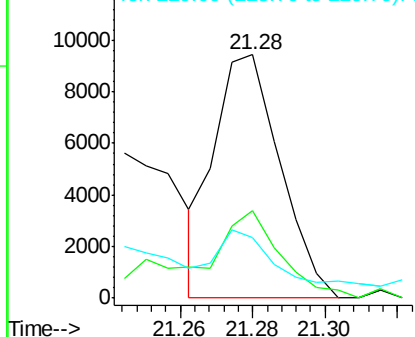
228 100

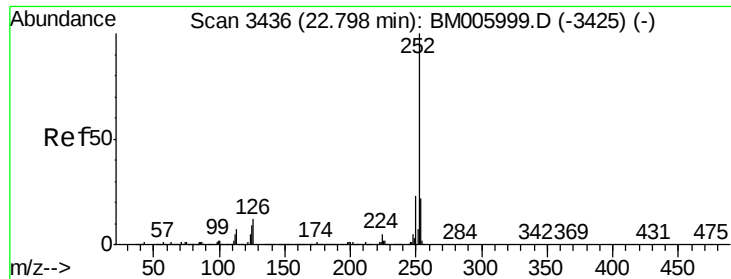
226 35.7 24.3 36.5

229 24.9 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: 0.09 ng/ul

RT: 22.79 min Scan# 3435

Delta R.T. -0.01 min

Lab File: BM006014.D

Acq: 25 Jun 2016 22:50

Instrument :

BNA_M

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D9Y83

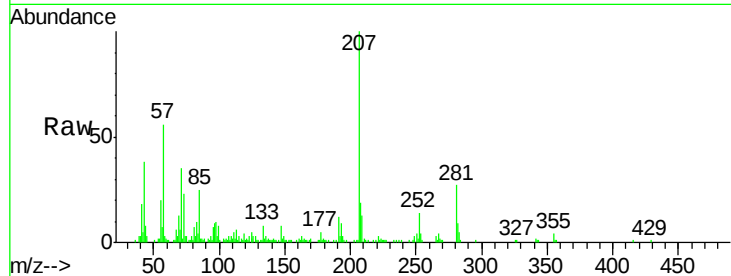
Tgt Ion:252 Resp: 15222

Ion Ratio Lower Upper

252 100

253 27.3 17.2 25.8#

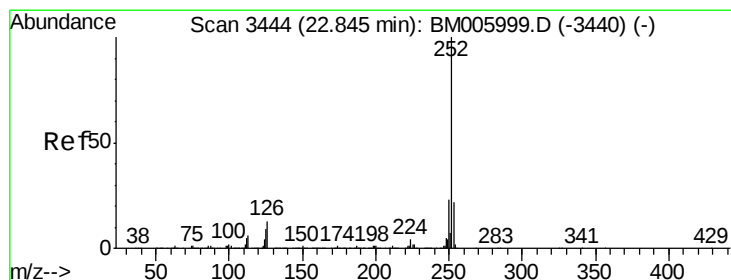
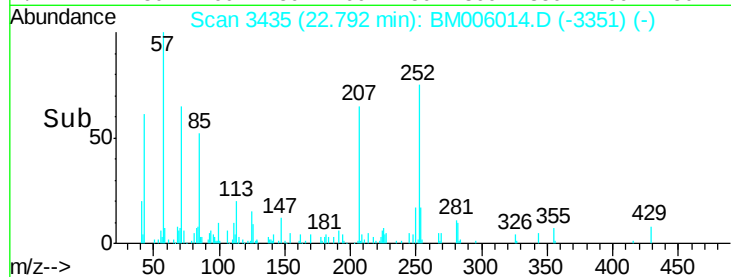
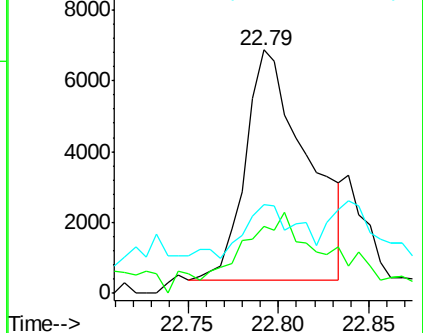
125 36.5 6.8 10.2#



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: 22.87 min Scan# 3448

Delta R.T. 0.02 min

Lab File: BM006014.D

Acq: 25 Jun 2016 22:50

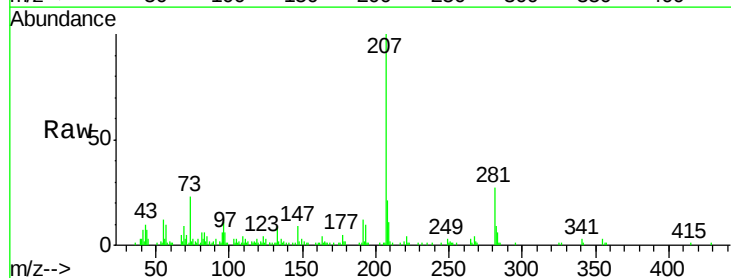
Tgt Ion:252 Resp: 309

Ion Ratio Lower Upper

252 100

253 105.7 17.3 25.9#

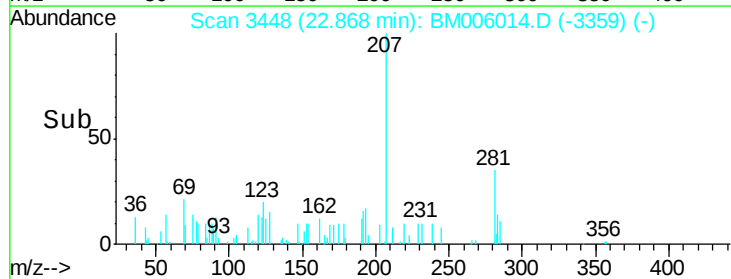
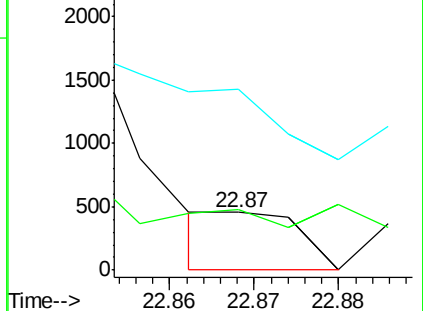
125 314.5 7.0 10.4#

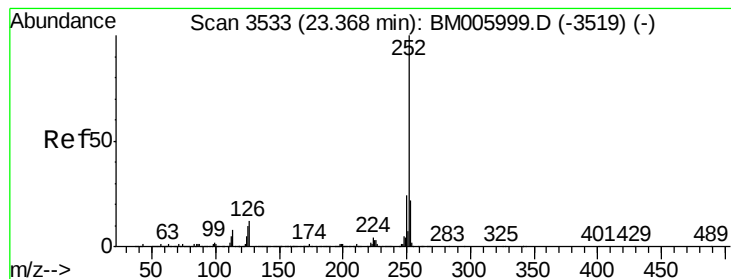


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.36 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BM006014.D

Acq: 25 Jun 2016 22:50

Instrument :

BNA_M

ClientSampleId :

D9Y83

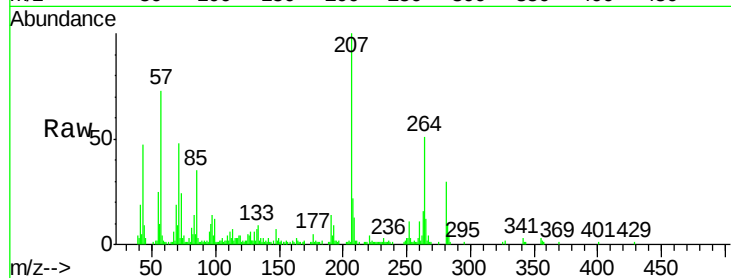
Tgt Ion:252 Resp: 8929

Ion Ratio Lower Upper

252 100

253 31.4 17.6 26.4#

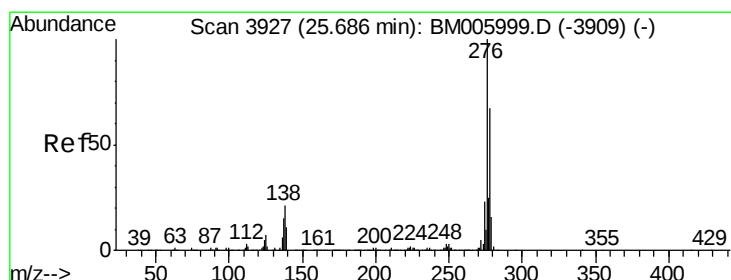
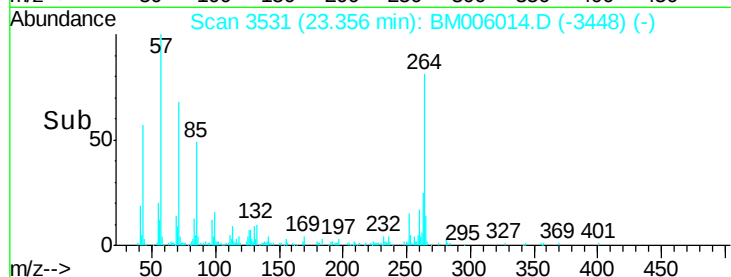
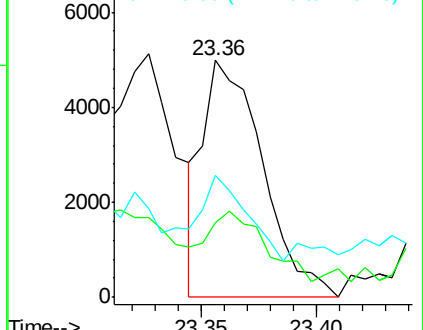
125 51.7 7.8 11.6#



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: 0.02 ng/ul

RT: 25.67 min Scan# 3924

Delta R.T. -0.02 min

Lab File: BM006014.D

Acq: 25 Jun 2016 22:50

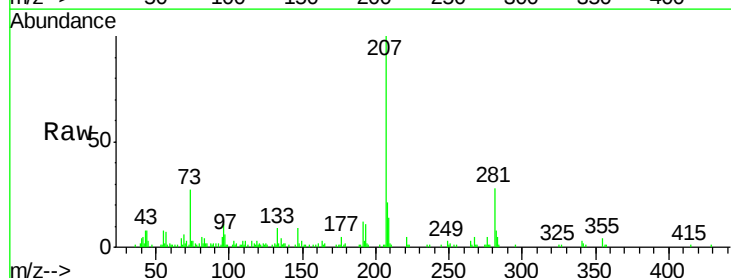
Tgt Ion:276 Resp: 3576

Ion Ratio Lower Upper

276 100

138 45.7 16.6 25.0#

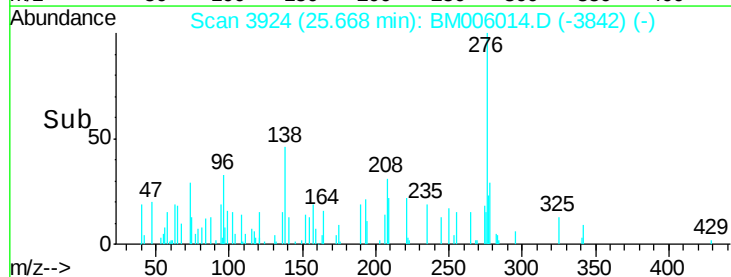
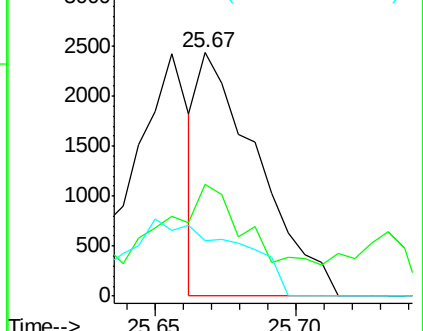
277 23.0 19.6 29.4

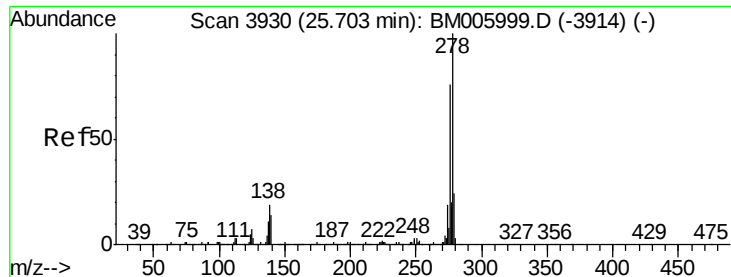


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.67 min Scan# 3925

Delta R.T. -0.03 min

Lab File: BM006014.D

Acq: 25 Jun 2016 22:50

Instrument :

BNA_M

ClientSampleId :

D9Y83

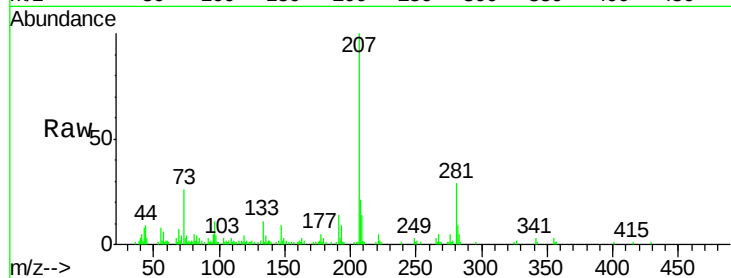
Tgt Ion: 278 Resp: 287

Ion Ratio Lower Upper

278 100

139 52.9 11.4 17.2#

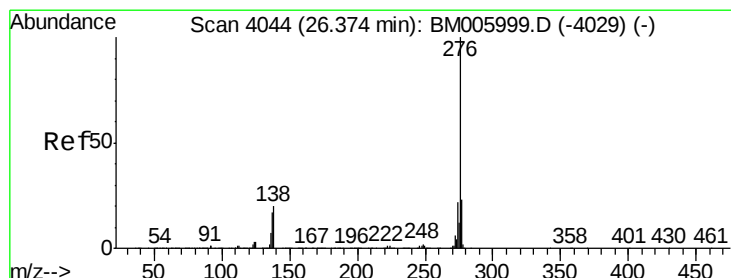
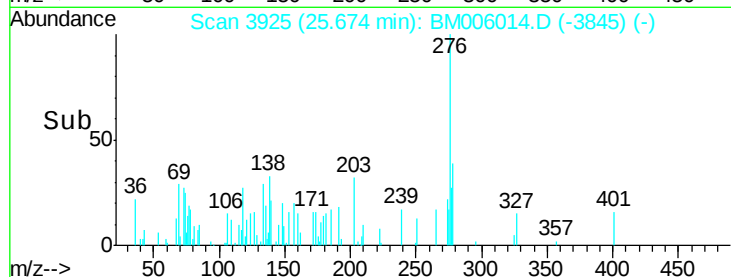
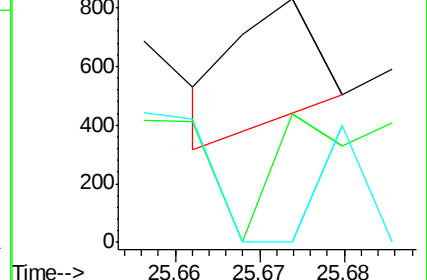
279 0.0 18.8 28.2#



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: 0.00 ng/ul

RT: 26.39 min Scan# 4047

Delta R.T. 0.02 min

Lab File: BM006014.D

Acq: 25 Jun 2016 22:50

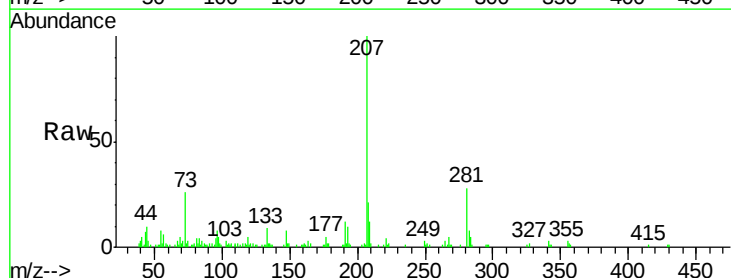
Tgt Ion: 276 Resp: 123

Ion Ratio Lower Upper

276 100

138 0.0 15.9 23.9#

277 0.0 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

