

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062516\
 Data File : BM006006.D
 Acq On : 25 Jun 2016 18:02
 Operator : UM/SJ
 Sample : H3669-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y69

Quant Time: Jun 26 04:42:00 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	175752	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	973074	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	756711	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	2106351	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	2869043	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	3241109	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	2914	0.74	ng/uL	0.00
3) Phenol-d5	6.83	99	140440	7.60	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	96500	9.38	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	107139	8.32	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	119091	7.63	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	62539	8.44	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	65144	7.90	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	118902	7.52	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	192349	11.21	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	592126	9.14	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	648694	8.63	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	118309	8.56	ng/ul	0.00
21) Fluorene-d10	15.30	176	522597	9.45	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	84199	7.20	ng/ul	0.00
26) Anthracene-d10	17.15	188	916472	9.47	ng/ul	0.00
30) Pyrene-d10	19.44	212	1194346	9.50	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.31	264	1418118	9.69	ng/ul	-0.01

Target Compounds

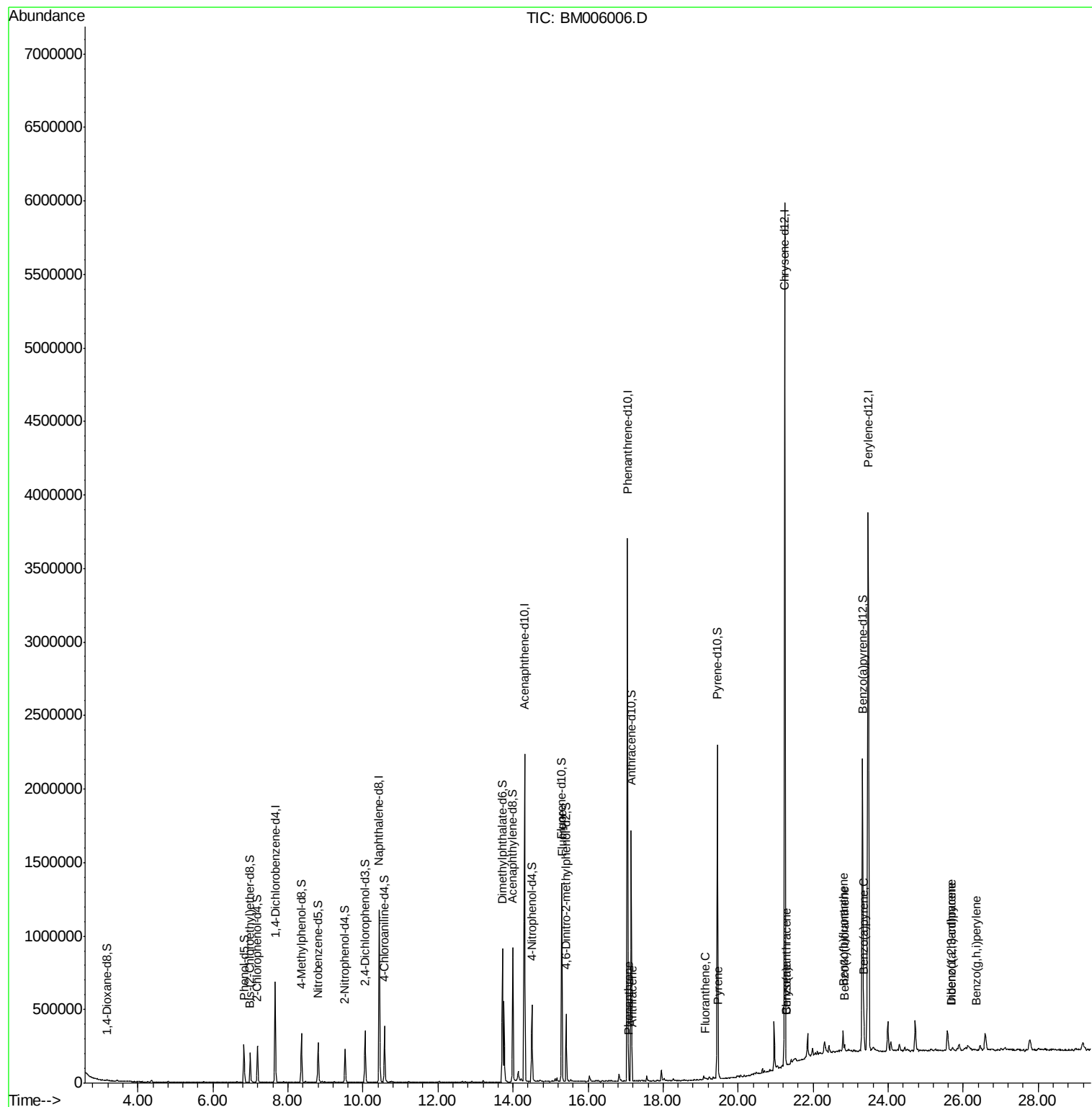
						Qvalue
22) Fluorene	15.31	166	516	0.01	ng/ul#	10
25) Phenanthrene	17.09	178	2067	0.02	ng/ul#	59
27) Anthracene	17.18	178	241	0.00	ng/ul#	61
28) Fluoranthene	19.12	202	3237	0.02	ng/ul#	79
31) Pyrene	19.47	202	3010	0.02	ng/ul#	69
32) Benzo(a)anthracene	21.28	228	3866	0.02	ng/ul	95
33) Chrysene	21.28	228	3866	0.02	ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	4301	0.02	ng/ul#	10
36) Benzo(k)fluoranthene	22.83	252	1456	0.01	ng/ul#	49
38) Benzo(a)pyrene	23.36	252	3669	0.02	ng/ul#	11
39) Indeno(1,2,3-cd)pyrene	25.69	276	207	0.00	ng/ul#	53
40) Dibenzo(a,h)anthracene	25.68	278	294	0.00	ng/ul#	27
41) Benzo(g,h,i)perylene	26.36	276	1133	0.01	ng/ul#	54

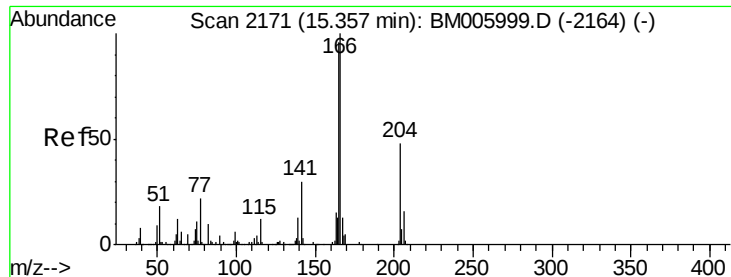
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#22

Fluorene

Concen: 0.01 ng/ul

RT: 15.31 min Scan# 2163

Delta R.T. -0.05 min

Lab File: BM006006.D

Acq: 25 Jun 2016 18:02

Instrument :

BNA_M

ClientSampleId :

D9Y69

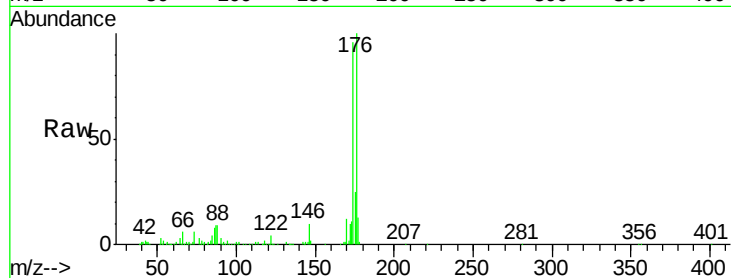
Tgt Ion:166 Resp: 516

Ion Ratio Lower Upper

166 100

165 0.0 76.8 115.2#

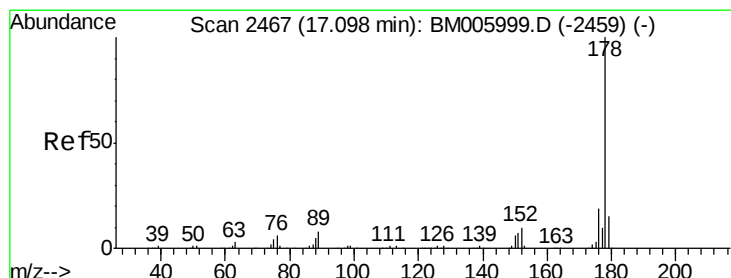
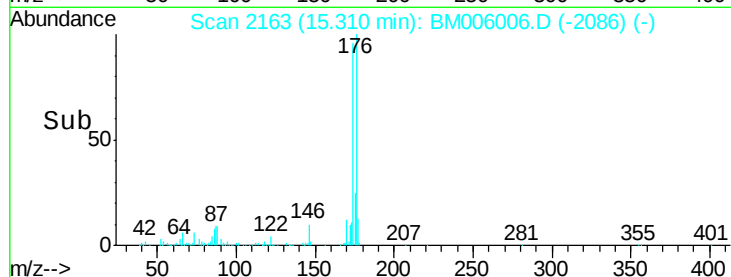
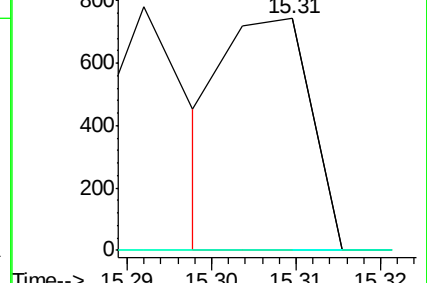
167 0.0 10.8 16.2#



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: 0.02 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.01 min

Lab File: BM006006.D

Acq: 25 Jun 2016 18:02

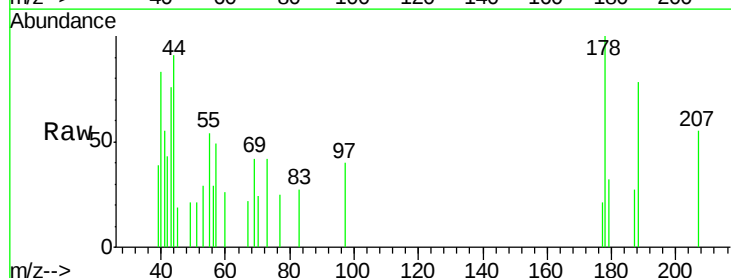
Tgt Ion:178 Resp: 2067

Ion Ratio Lower Upper

178 100

179 31.9 12.1 18.1#

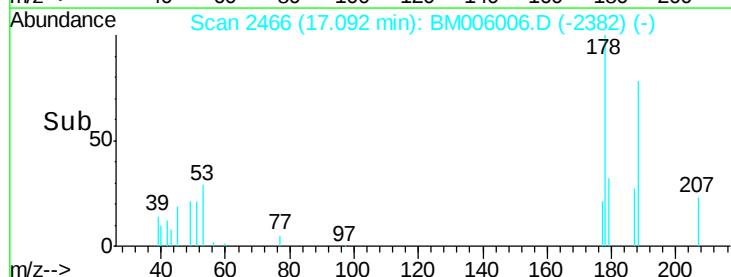
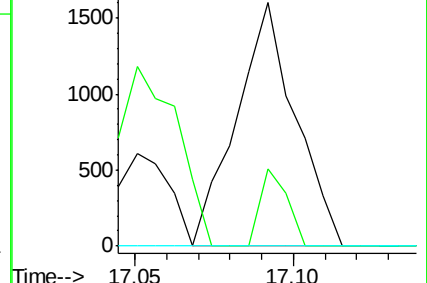
176 0.0 15.4 23.0#

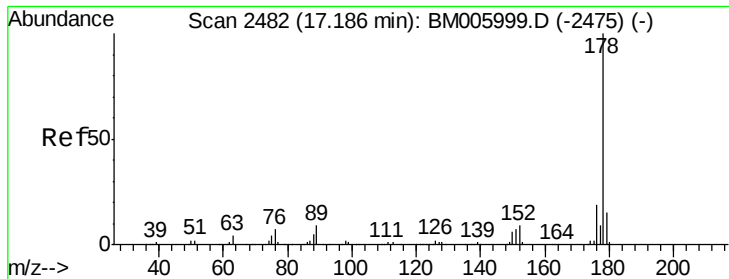


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#27

Anthracene

Concen: 0.00 ng/ul

RT: 17.18 min Scan# 2481

Delta R.T. -0.01 min

Lab File: BM006006.D

Acq: 25 Jun 2016 18:02

Instrument :

BNA_M

ClientSampleId :

D9Y69

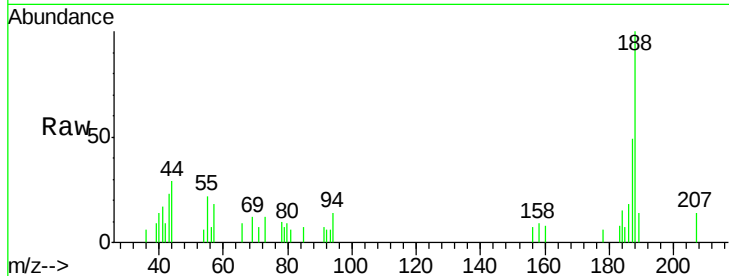
Tgt Ion:178 Resp: 241

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

600

500

400

300

200

100

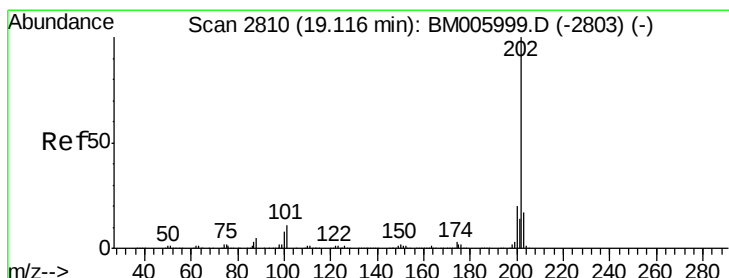
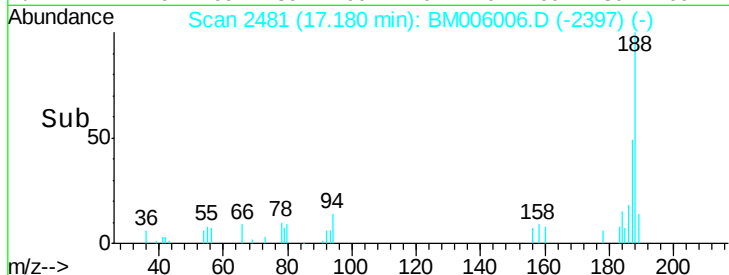
0

17.17

17.18

17.19

Time-->



#28

Fluoranthene

Concen: 0.02 ng/ul

RT: 19.12 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BM006006.D

Acq: 25 Jun 2016 18:02

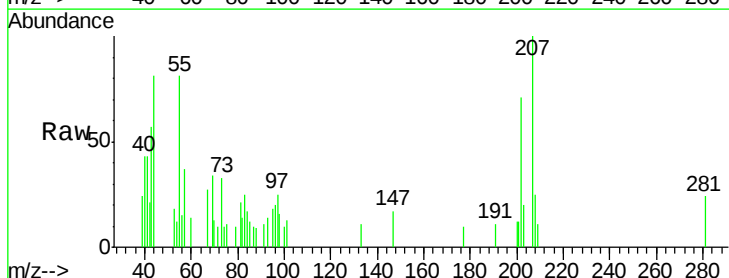
Tgt Ion:202 Resp: 3237

Ion Ratio Lower Upper

202 100

101 18.9 8.2 12.4#

100 14.4 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

3000

2500

2000

1500

1000

500

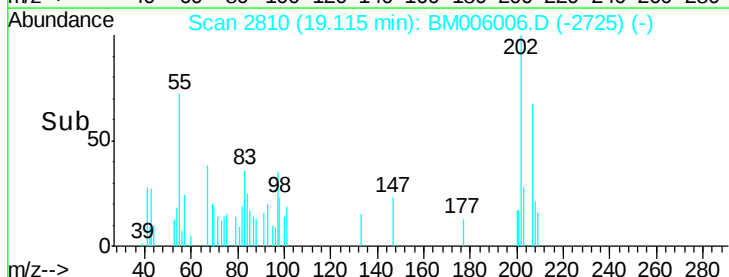
0

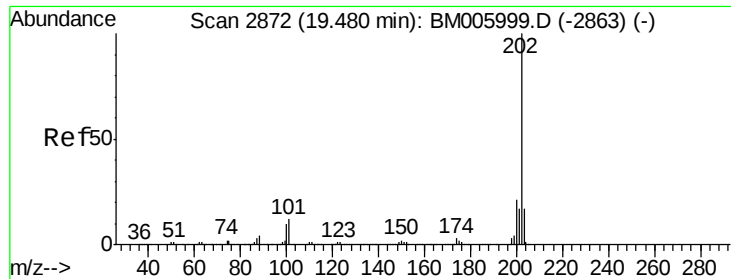
19.10

19.12

19.15

Time-->





#31

Pyrene

Concen: 0.02 ng/ul

RT: 19.47 min Scan# 2871

Delta R.T. -0.01 min

Lab File: BM006006.D

Acq: 25 Jun 2016 18:02

Instrument :

BNA_M

ClientSampleId :

D9Y69

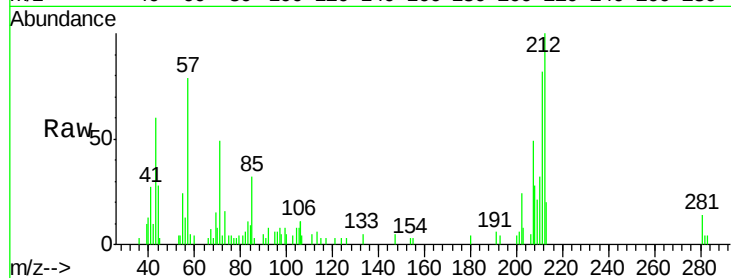
Tgt Ion:202 Resp: 3010

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.6#

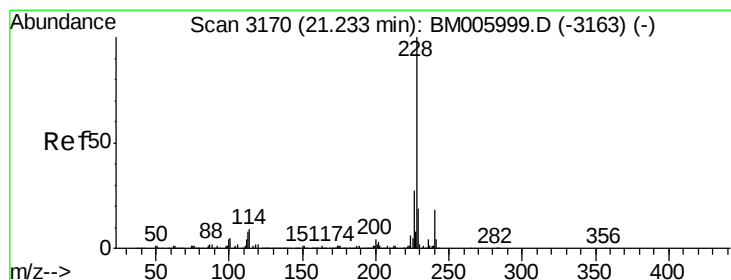
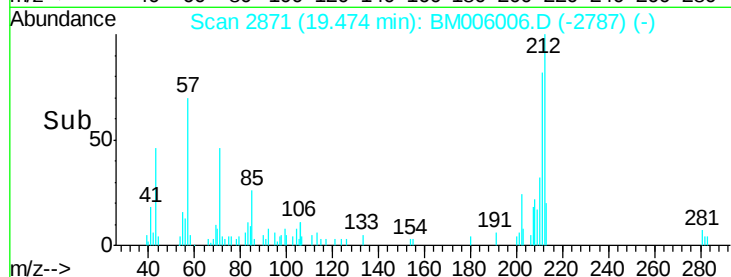
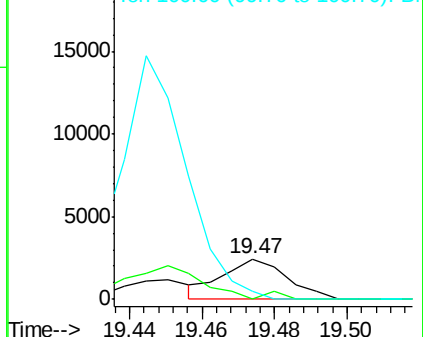
100 21.3 8.2 12.2#



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: 0.02 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. 0.05 min

Lab File: BM006006.D

Acq: 25 Jun 2016 18:02

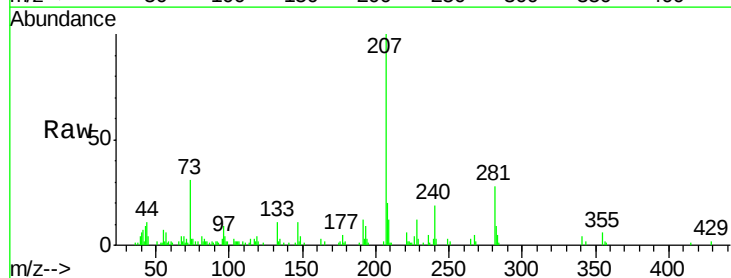
Tgt Ion:228 Resp: 3866

Ion Ratio Lower Upper

228 100

229 21.8 15.8 23.6

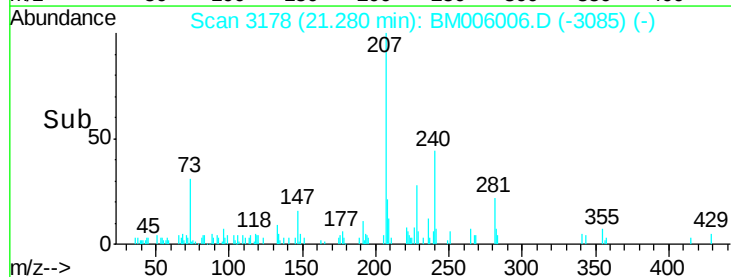
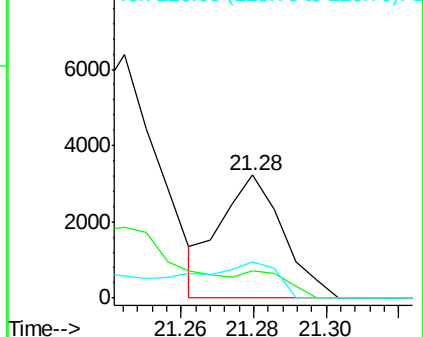
226 29.3 21.5 32.3

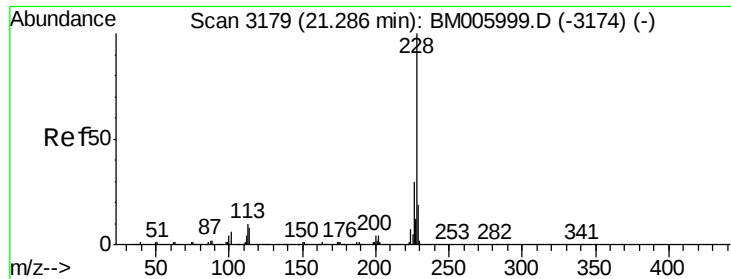


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 0.02 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BM006006.D

Acq: 25 Jun 2016 18:02

Instrument :

BNA_M

ClientSampleId :

D9Y69

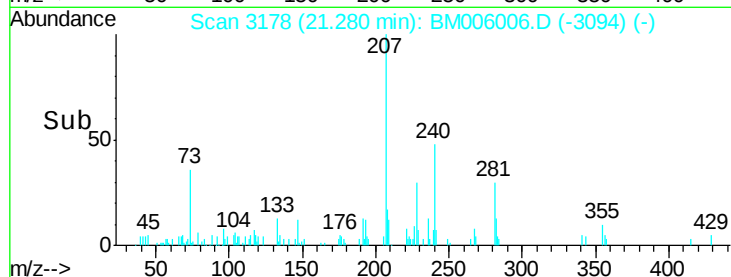
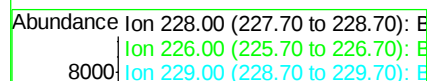
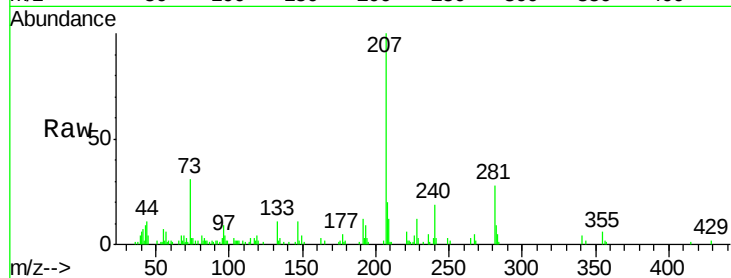
Tgt Ion:228 Resp: 3866

Ion Ratio Lower Upper

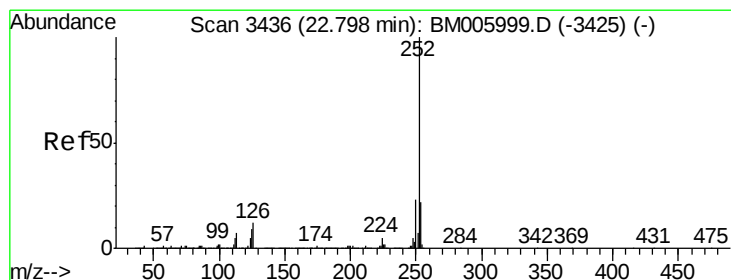
228 100

226 29.3 24.3 36.5

229 21.8 15.4 23.2



Time-->



#35

Benzo(b)fluoranthene

Concen: 0.02 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006006.D

Acq: 25 Jun 2016 18:02

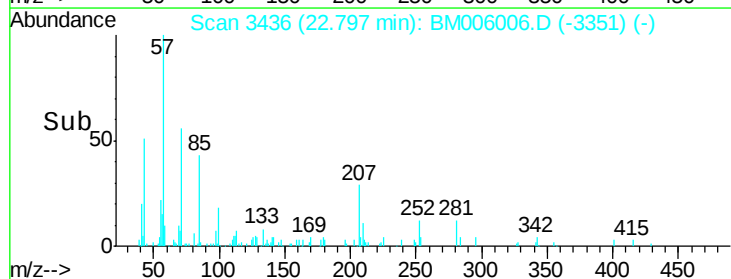
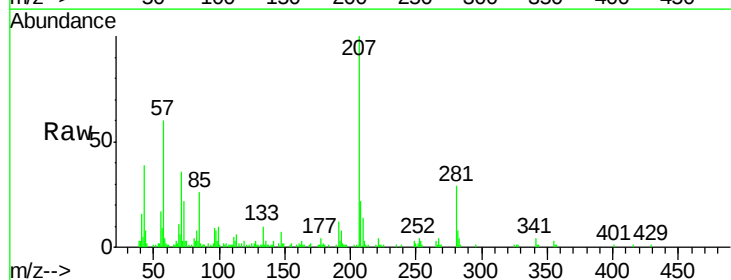
Tgt Ion:252 Resp: 4301

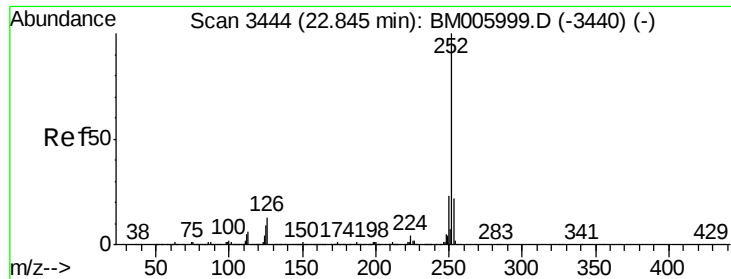
Ion Ratio Lower Upper

252 100

253 57.6 17.2 25.8#

125 52.4 6.8 10.2#

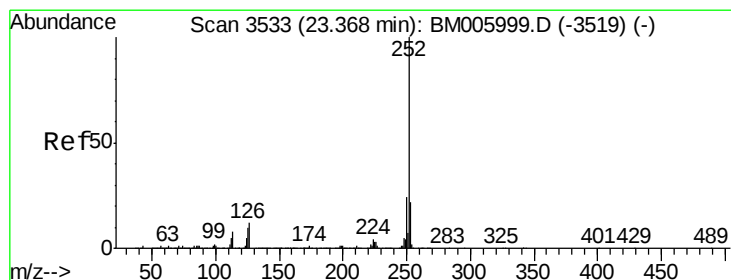
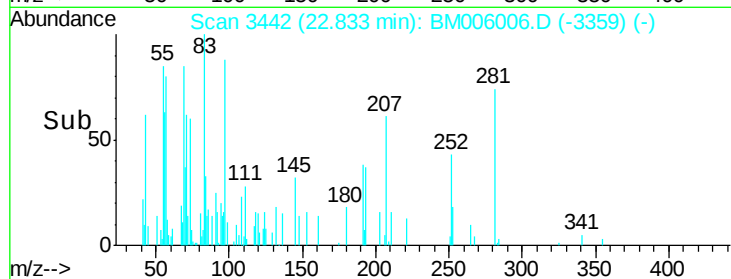
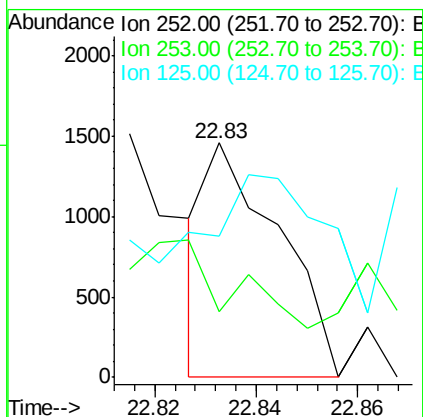
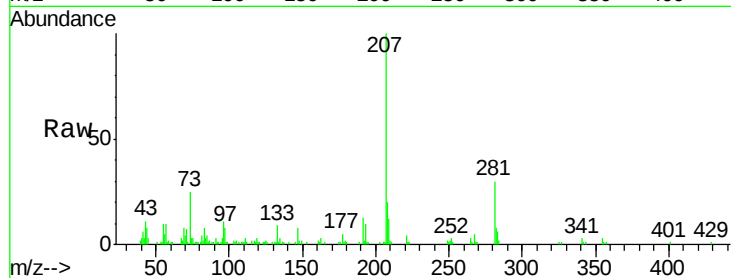




#36
Benzo(k)fluoranthene
Concen: 0.01 ng/ul
RT: 22.83 min Scan# 3442
Delta R.T. -0.01 min
Lab File: BM006006.D
Acq: 25 Jun 2016 18:02

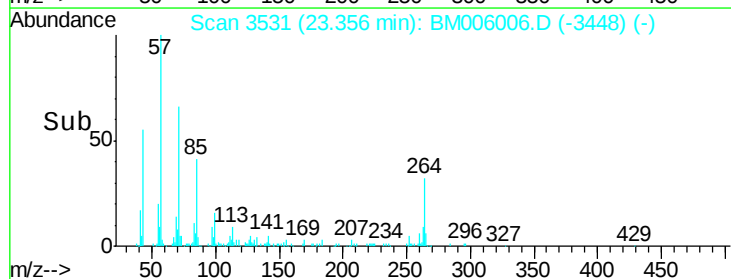
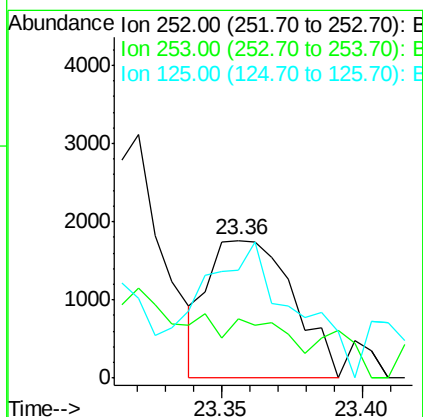
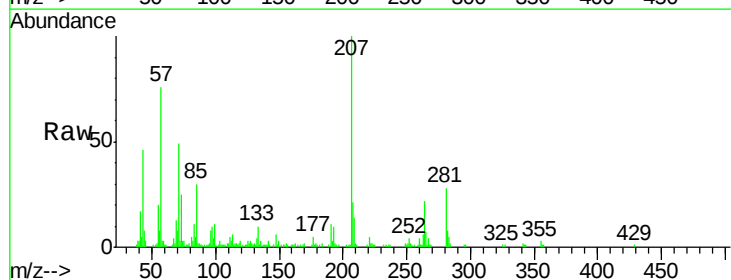
Instrument :
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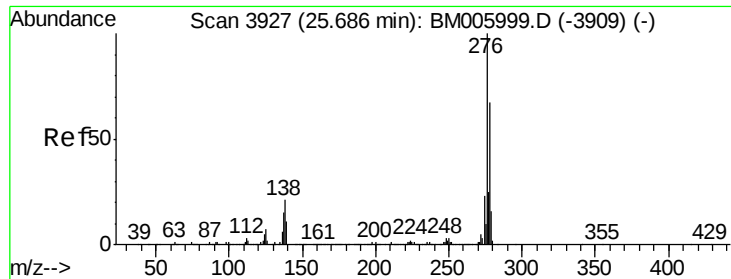
Tgt Ion: 252 Resp: 1456
Ion Ratio Lower Upper
252 100
253 28.2 17.3 25.9#
125 60.0 7.0 10.4#



#38
Benzo(a)pyrene
Concen: 0.02 ng/ul
RT: 23.36 min Scan# 3531
Delta R.T. -0.01 min
Lab File: BM006006.D
Acq: 25 Jun 2016 18:02

Tgt Ion: 252 Resp: 3669
Ion Ratio Lower Upper
252 100
253 43.3 17.6 26.4#
125 79.0 7.8 11.6#





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.69 min Scan# 3928

Delta R.T. 0.01 min

Lab File: BM006006.D

Acq: 25 Jun 2016 18:02

Instrument :

BNA_M

ClientSampleId :

D9Y69

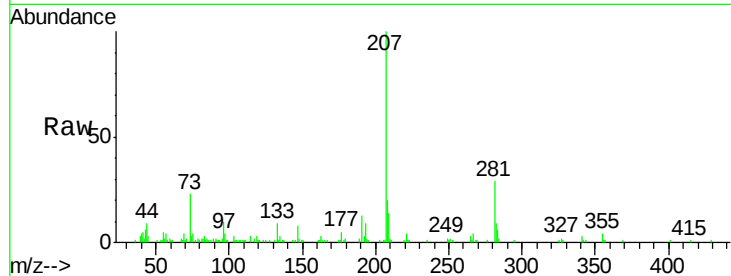
Tgt Ion:276 Resp: 207

Ion Ratio Lower Upper

276 100

138 0.0 16.6 25.0#

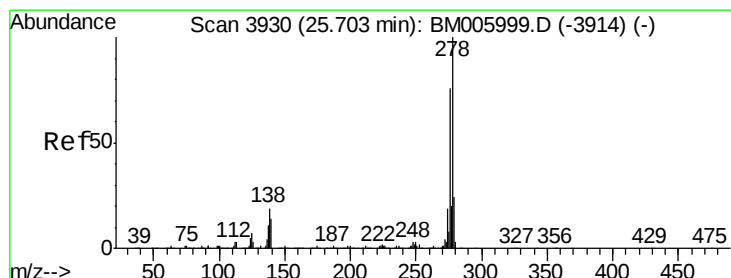
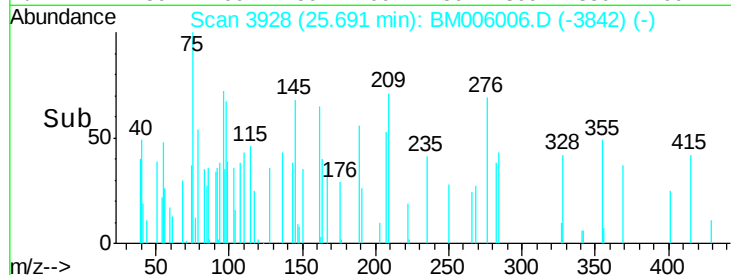
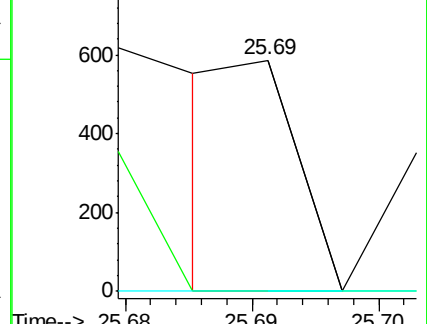
277 0.0 19.6 29.4#



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: 25.68 min Scan# 3926

Delta R.T. -0.02 min

Lab File: BM006006.D

Acq: 25 Jun 2016 18:02

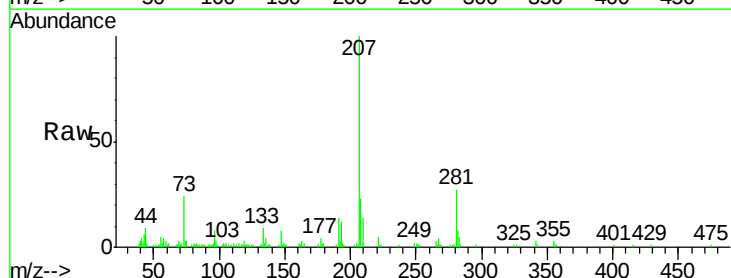
Tgt Ion:278 Resp: 294

Ion Ratio Lower Upper

278 100

139 0.0 11.4 17.2#

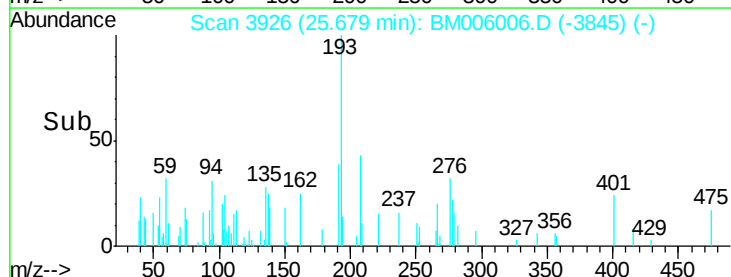
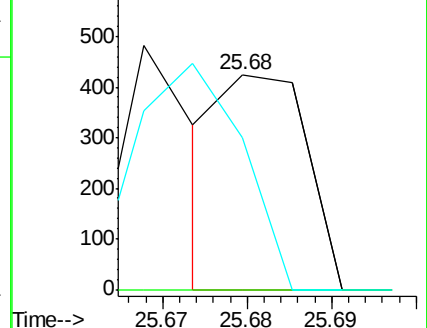
279 70.8 18.8 28.2#

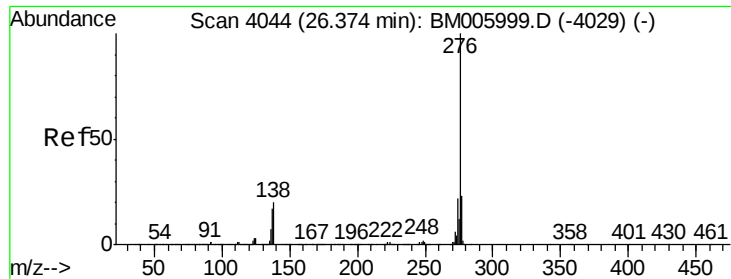


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.01 ng/ul

RT: 26.36 min Scan# 4041

Delta R.T. -0.02 min

Lab File: BM006006.D

Acq: 25 Jun 2016 18:02

Instrument :

BNA_M

ClientSampleId :

D9Y69

Tgt Ion: 276 Resp: 1133

Ion Ratio Lower Upper

276 100

138 0.0 15.9 23.9#

277 0.0 19.2 28.8#

