

Data Path : Z:\HPCHEM1\BNA_M\Data\BM063016\
 Data File : BM006159.D
 Acq On : 30 Jun 2016 14:22
 Operator : UM/SJ
 Sample : H3777-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YC9

Quant Time: Jun 30 16:40:19 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 29 00:57:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	241903	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1173954	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	636369	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	1131767	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	923550	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	1060745	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	7879	1.51	ng/uL	0.00
3) Phenol-d5	6.83	99	447432	22.64	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	267629	22.97	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	339930	22.41	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	363144	22.83	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	170854	21.61	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	191632	21.18	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	351164	21.27	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	260248	19.94	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1005409	22.04	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1243731	22.47	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	162863	18.82	ng/ul	0.00
21) Fluorene-d10	15.30	176	815366	20.95	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	87477	21.82	ng/ul	0.00
26) Anthracene-d10	17.15	188	1050020	23.13	ng/ul	0.00
30) Pyrene-d10	19.46	212	923105	24.82	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.33	264	956774	22.67	ng/ul	0.01

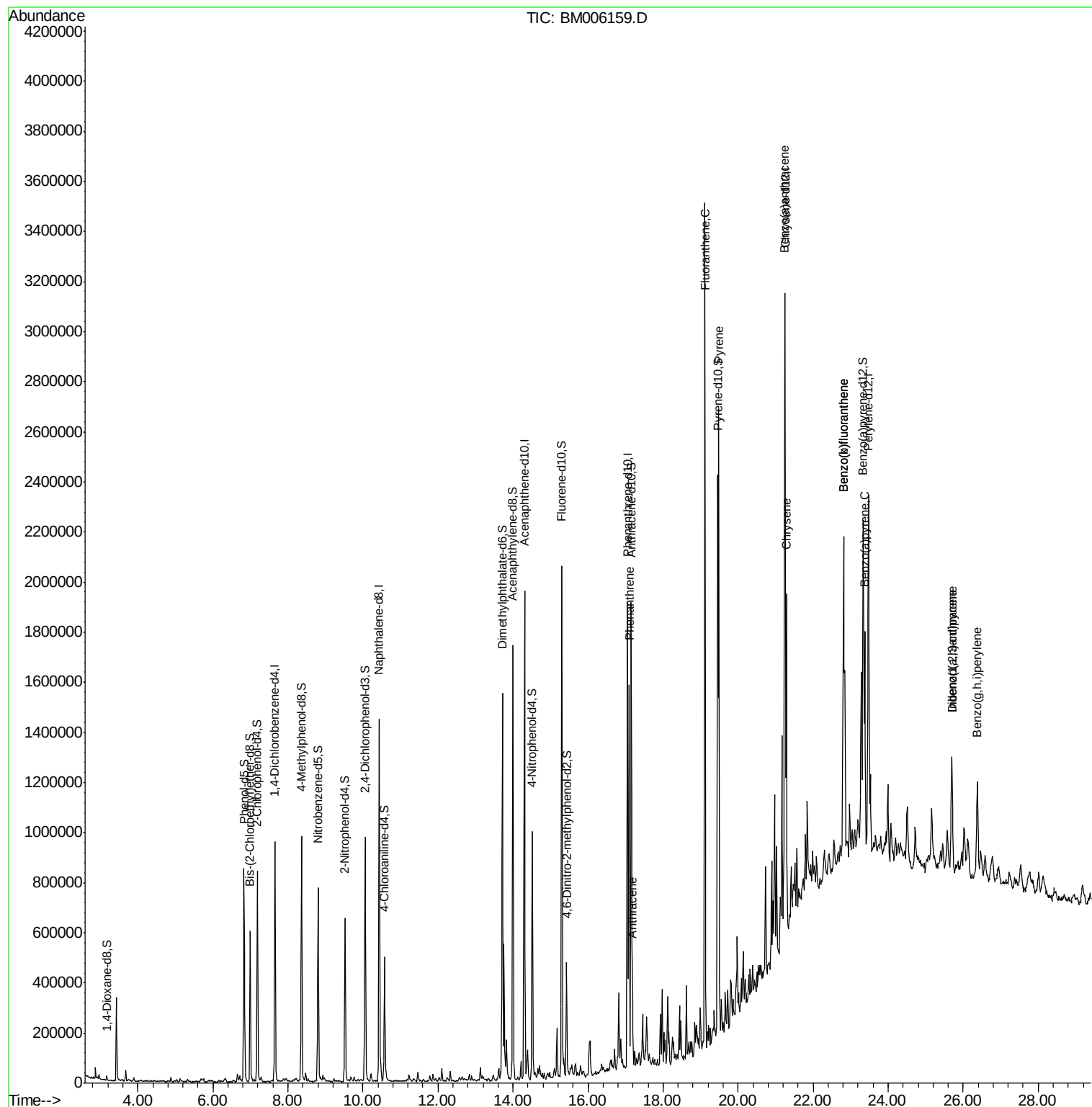
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Phenanthrene	17.10	178	914362	17.07	ng/ul	99
27) Anthracene	17.19	178	189184	3.44	ng/ul	99
28) Fluoranthene	19.12	202	2080415	31.72	ng/ul	98
31) Pyrene	19.49	202	1550898	31.84	ng/ul	95
32) Benzo(a)anthracene	21.24	228	823826	17.15	ng/ul	99
33) Chrysene	21.29	228	799387	18.08	ng/ul	98
35) Benzo(b)fluoranthene	22.81	252	1041841	18.93	ng/ul	98
36) Benzo(k)fluoranthene	22.81	252	1041841	20.17	ng/ul	99
38) Benzo(a)pyrene	23.37	252	609847	11.73	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.70	276	478064	8.84	ng/ul#	91
40) Dibenzo(a,h)anthracene	25.70	278	131828	2.95	ng/ul#	87
41) Benzo(g,h,i)perylene	26.38	276	474909	10.49	ng/ul	98

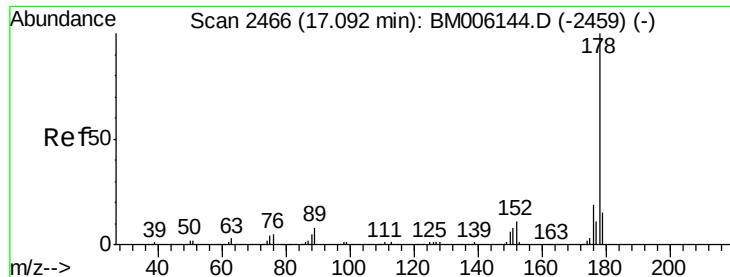
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 17.07 ng/ul

RT: 17.10 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BM006159.D

Acq: 30 Jun 2016 14:22

Instrument :

BNA_M

ClientSampleId :

D9YC9

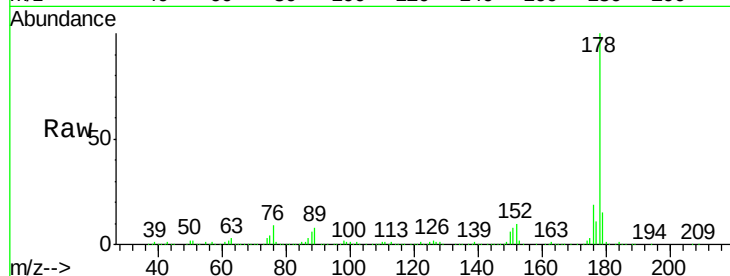
Tgt Ion:178 Resp: 914362

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.2

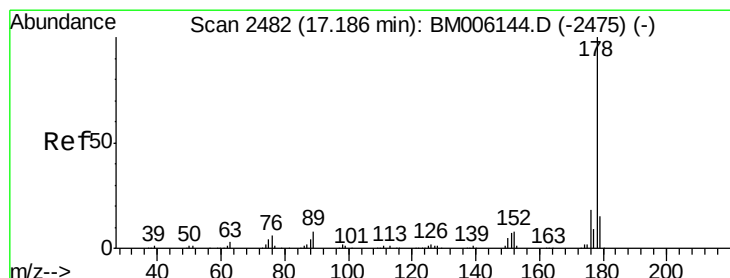
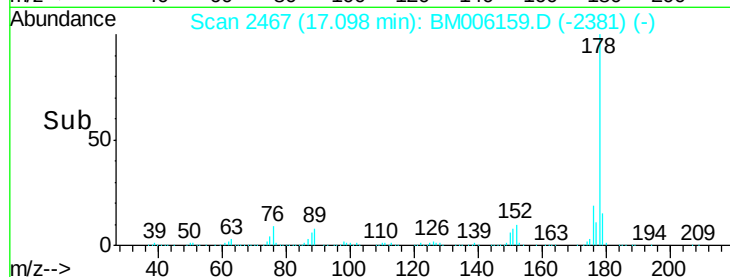
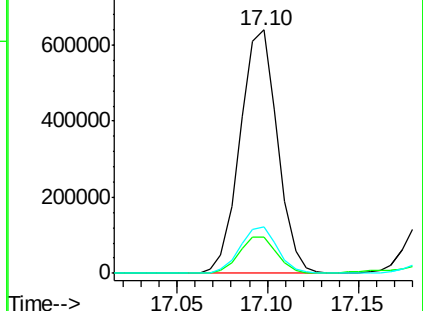
176 19.0 15.3 22.9



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: 3.44 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. 0.00 min

Lab File: BM006159.D

Acq: 30 Jun 2016 14:22

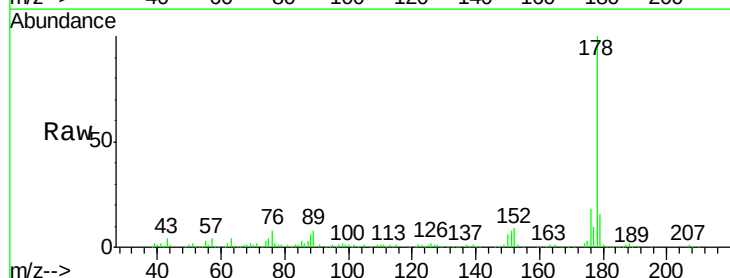
Tgt Ion:178 Resp: 189184

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

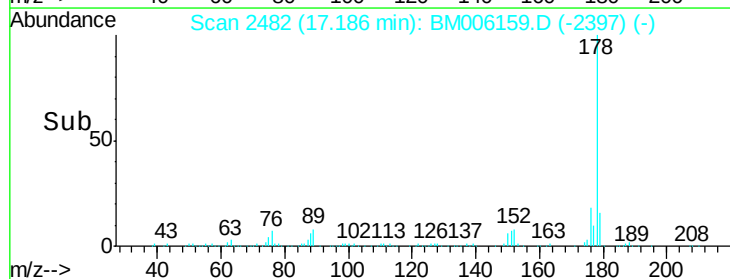
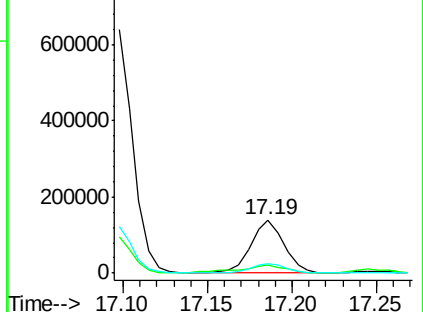
176 18.3 14.6 22.0

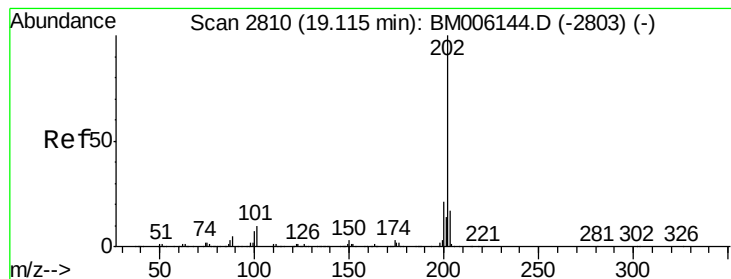


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 31.72 ng/ul

RT: 19.12 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BM006159.D

Acq: 30 Jun 2016 14:22

Instrument :

BNA_M

ClientSampleId :

D9YC9

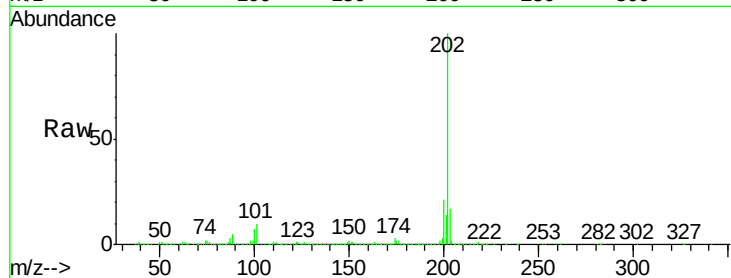
Tgt Ion:202 Resp: 2080415

Ion Ratio Lower Upper

202 100

101 10.0 8.5 12.7

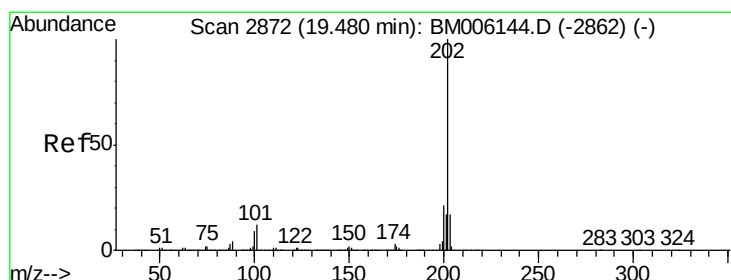
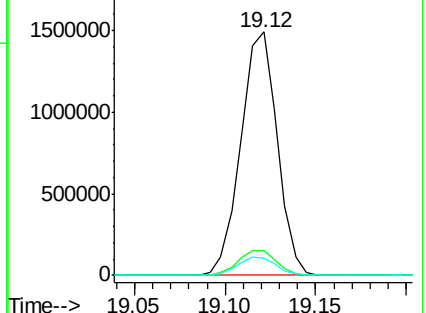
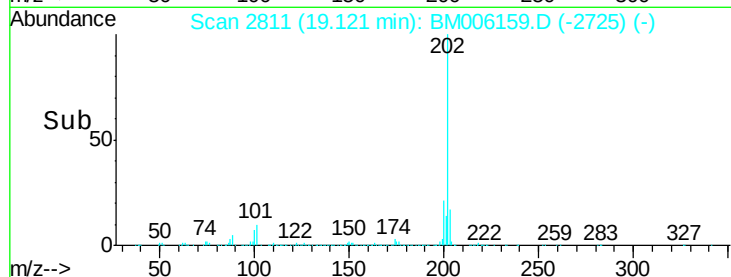
100 7.2 6.5 9.7



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: 31.84 ng/ul

RT: 19.49 min Scan# 2873

Delta R.T. 0.01 min

Lab File: BM006159.D

Acq: 30 Jun 2016 14:22

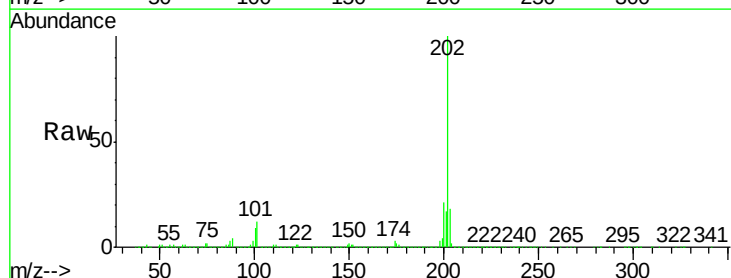
Tgt Ion:202 Resp: 1550898

Ion Ratio Lower Upper

202 100

101 11.8 11.0 16.4

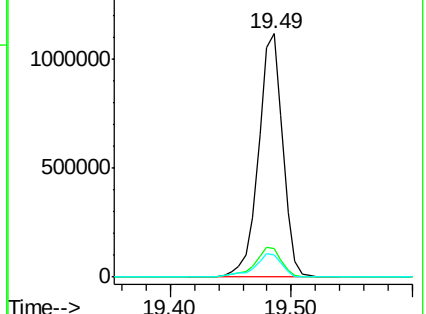
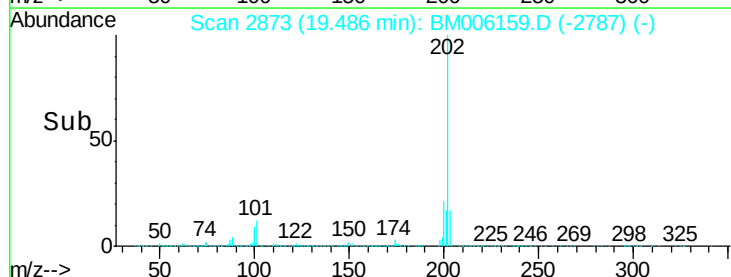
100 9.2 8.9 13.3

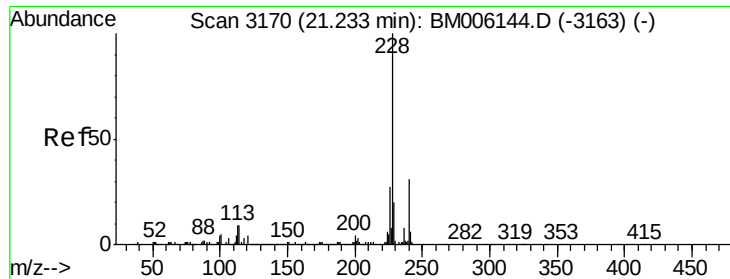


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 17.15 ng/ul

RT: 21.24 min Scan# 3171

Delta R.T. 0.01 min

Lab File: BM006159.D

Acq: 30 Jun 2016 14:22

Instrument :

BNA_M

ClientSampleId :

D9YC9

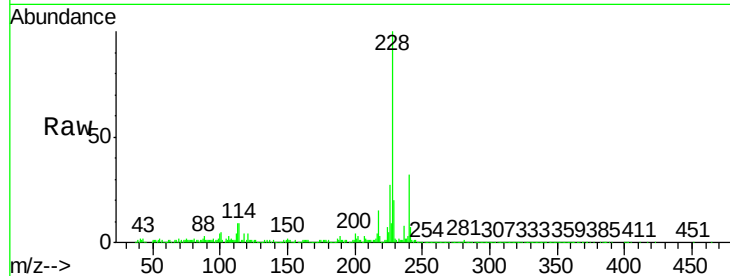
Tgt Ion:228 Resp: 823826

Ion Ratio Lower Upper

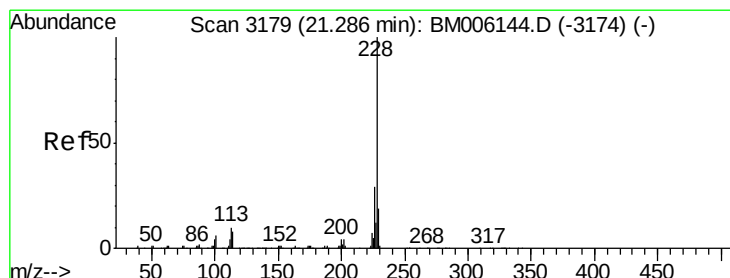
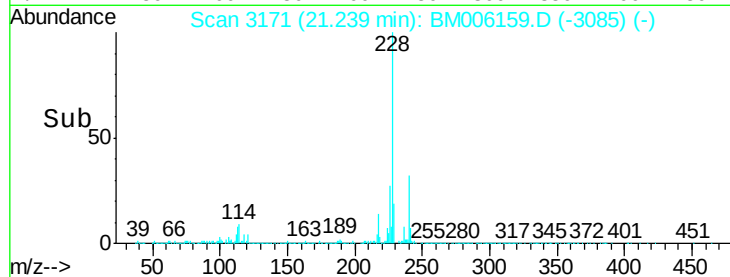
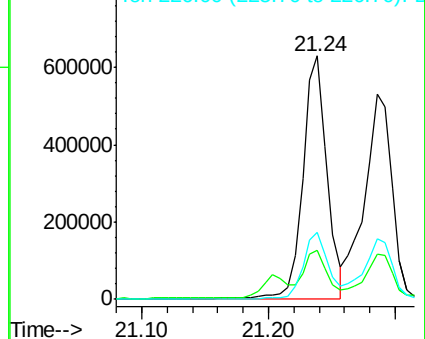
228 100

229 20.3 15.6 23.4

226 27.5 21.6 32.4



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: 18.08 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BM006159.D

Acq: 30 Jun 2016 14:22

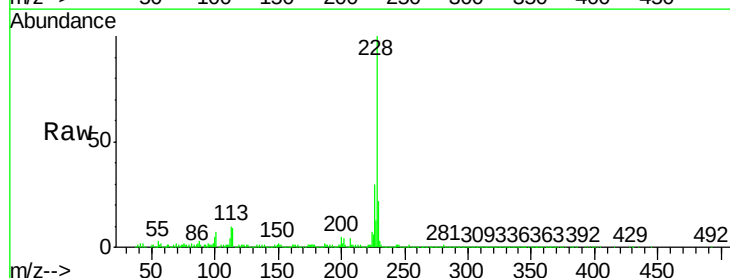
Tgt Ion:228 Resp: 799387

Ion Ratio Lower Upper

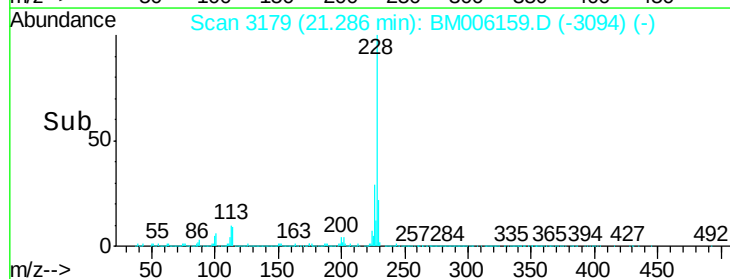
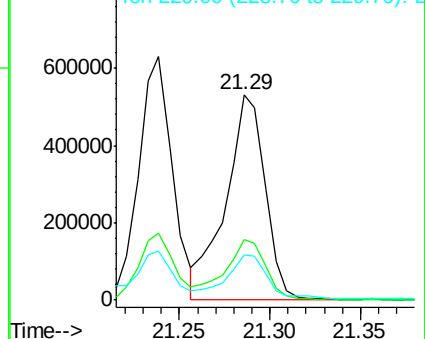
228 100

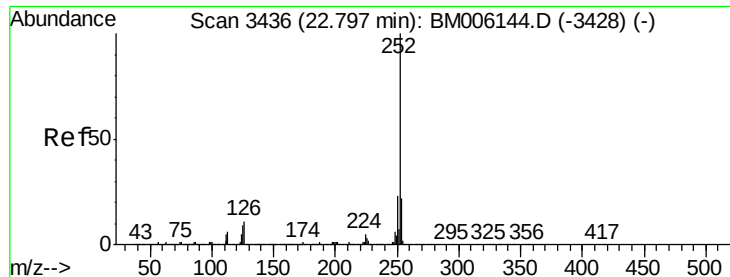
226 29.6 23.8 35.6

229 22.3 15.8 23.6



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: 18.93 ng/ul

RT: 22.81 min Scan# 3438

Delta R.T. 0.01 min

Lab File: BM006159.D

Acq: 30 Jun 2016 14:22

Instrument :

BNA_M

ClientSampleId :

D9YC9

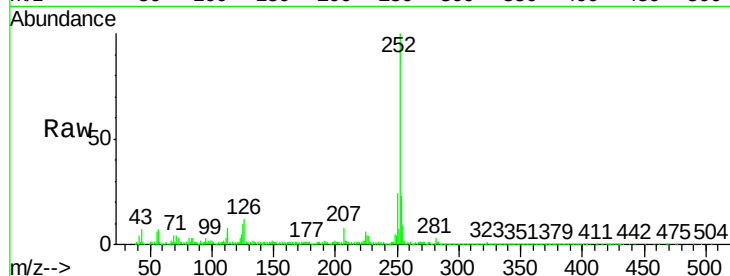
Tgt Ion:252 Resp: 1041841

Ion Ratio Lower Upper

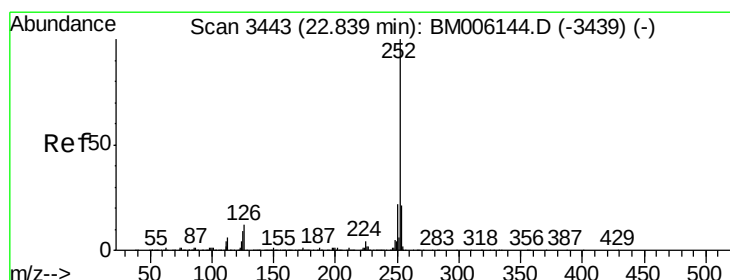
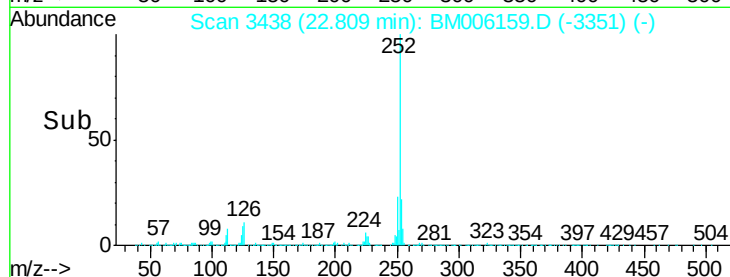
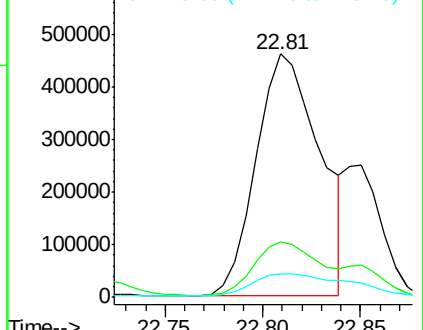
252 100

253 22.5 17.2 25.8

125 9.6 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



#36

Benzo(k)fluoranthene

Concen: 20.17 ng/ul

RT: 22.81 min Scan# 3438

Delta R.T. -0.04 min

Lab File: BM006159.D

Acq: 30 Jun 2016 14:22

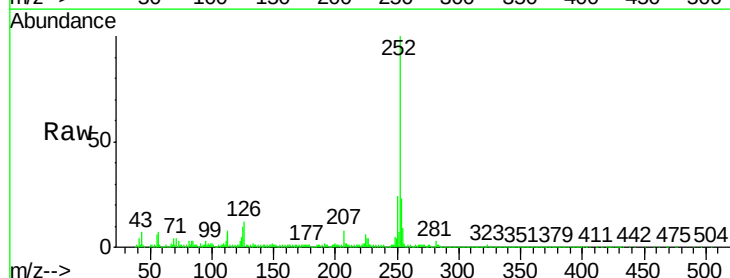
Tgt Ion:252 Resp: 1041841

Ion Ratio Lower Upper

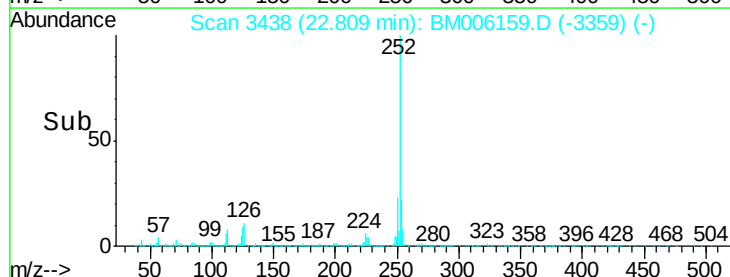
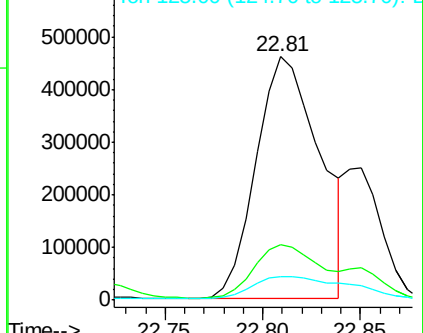
252 100

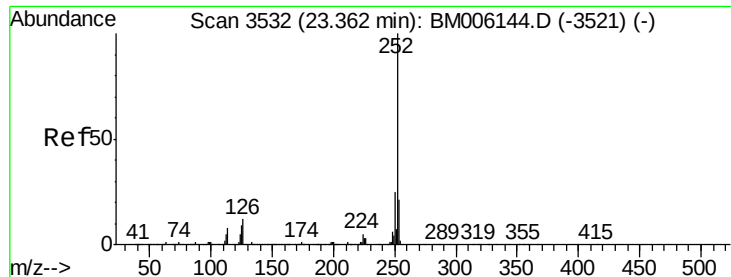
253 22.5 17.6 26.4

125 9.6 8.1 12.1



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: 11.73 ng/ul

RT: 23.37 min Scan# 3534

Delta R.T. 0.01 min

Lab File: BM006159.D

Acq: 30 Jun 2016 14:22

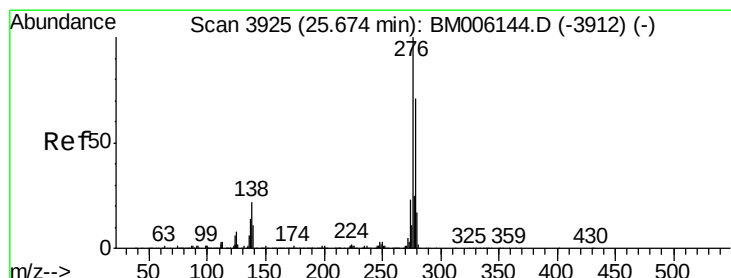
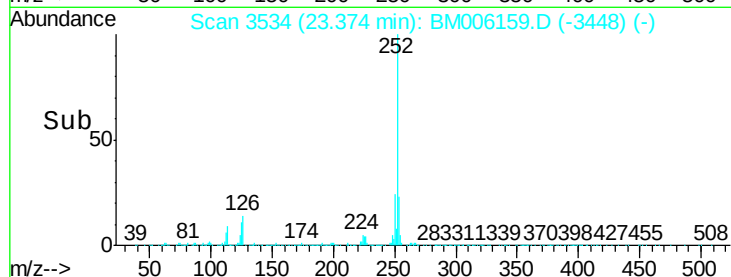
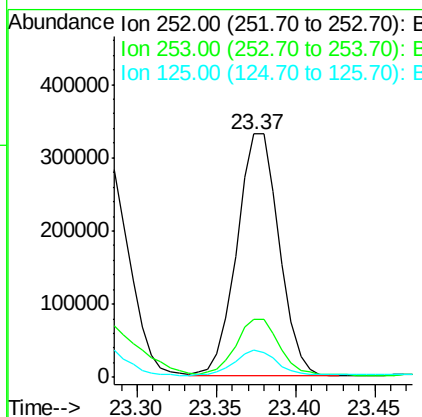
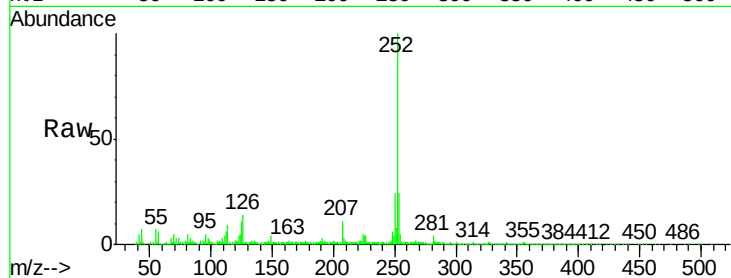
Instrument :

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D9YC9

Tgt Ion:	252	Resp:	609847
Ion Ratio		Lower	Upper
252	100		
253	24.0	17.8	26.6
125	11.4	8.7	13.1



#39

Indeno(1,2,3-cd)pyrene

Concen: 8.84 ng/ul

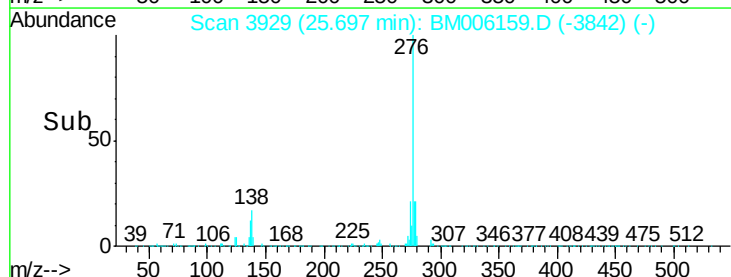
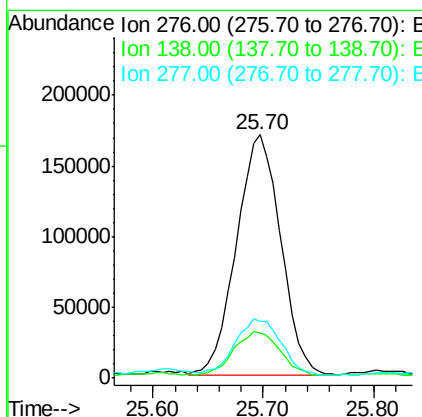
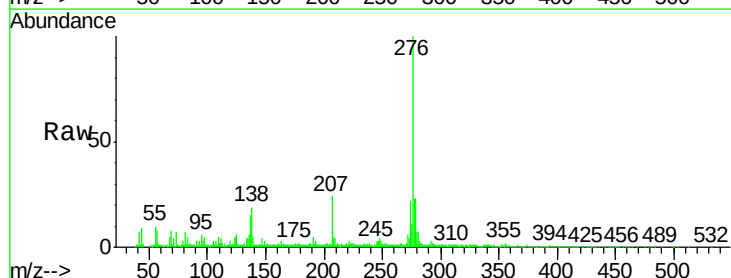
RT: 25.70 min Scan# 3929

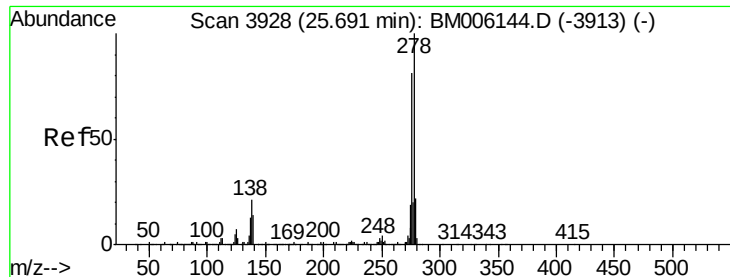
Delta R.T. 0.01 min

Lab File: BM006159.D

Acq: 30 Jun 2016 14:22

Tgt Ion:	276	Resp:	478064
Ion Ratio		Lower	Upper
276	100		
138	18.7	20.4	30.6#
277	23.4	20.6	30.8





#40

Dibenzo(a,h)anthracene

Concen: 2.95 ng/ul

RT: 25.70 min Scan# 3930

Delta R.T. 0.01 min

Lab File: BM006159.D

Acq: 30 Jun 2016 14:22

Instrument :

BNA_M

ClientSampleId :

D9YC9

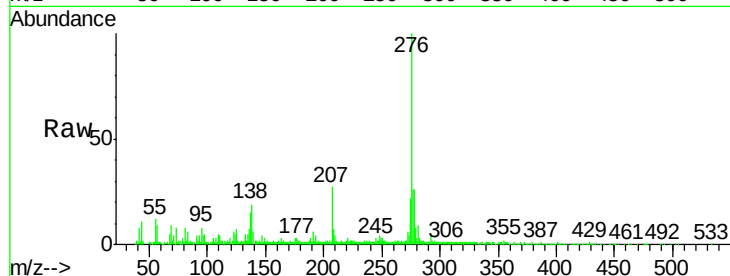
Tgt Ion:278 Resp: 131828

Ion Ratio Lower Upper

278 100

139 21.6 13.0 19.4#

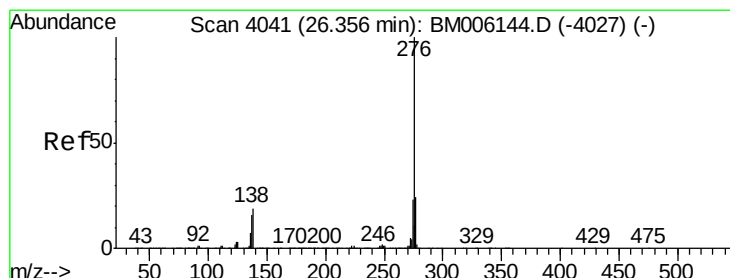
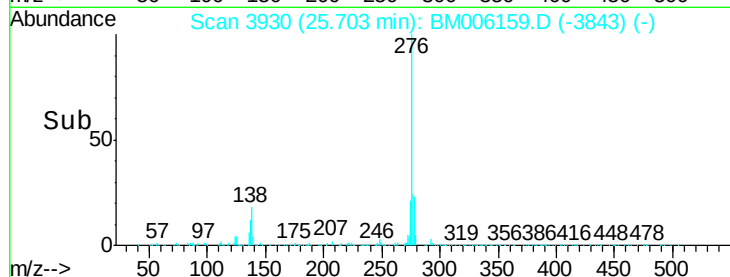
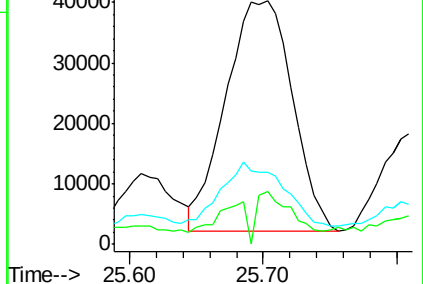
279 29.7 18.8 28.2#



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: 10.49 ng/ul

RT: 26.38 min Scan# 4045

Delta R.T. 0.02 min

Lab File: BM006159.D

Acq: 30 Jun 2016 14:22

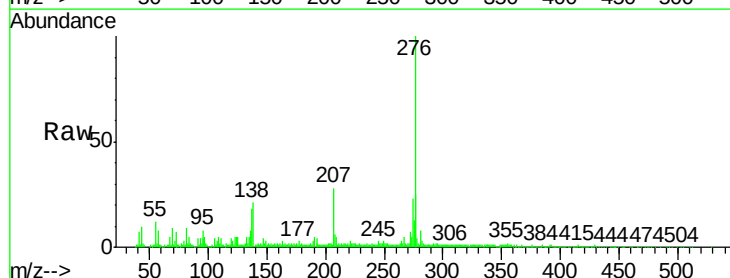
Tgt Ion:276 Resp: 474909

Ion Ratio Lower Upper

276 100

138 20.6 16.6 25.0

277 25.0 18.9 28.3



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

