

Data Path : Z:\HPCHEM1\BNA_M\Data\BM063016\
 Data File : BM006157.D
 Acq On : 30 Jun 2016 13:10
 Operator : UM/SJ
 Sample : H3780-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YF8

Quant Time: Jun 30 15:39:00 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	268453	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1173557	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	647749	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1262584	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	921597	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	1015050	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.16	96	6081	1.05	ng/uL	0.00
3) Phenol-d5	6.83	99	344314	15.70	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	209892	16.23	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	260727	15.49	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	282399	16.00	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	134108	16.97	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	150449	16.63	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	270191	16.37	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	251098	19.25	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	822332	17.71	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1034717	18.36	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	116847	13.26	ng/ul	0.00
21) Fluorene-d10	15.30	176	699042	17.64	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	81408	18.20	ng/ul	0.00
26) Anthracene-d10	17.15	188	931141	18.38	ng/ul	0.00
30) Pyrene-d10	19.45	212	782839	21.09	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.33	264	741794	18.36	ng/ul	0.00

Target Compounds

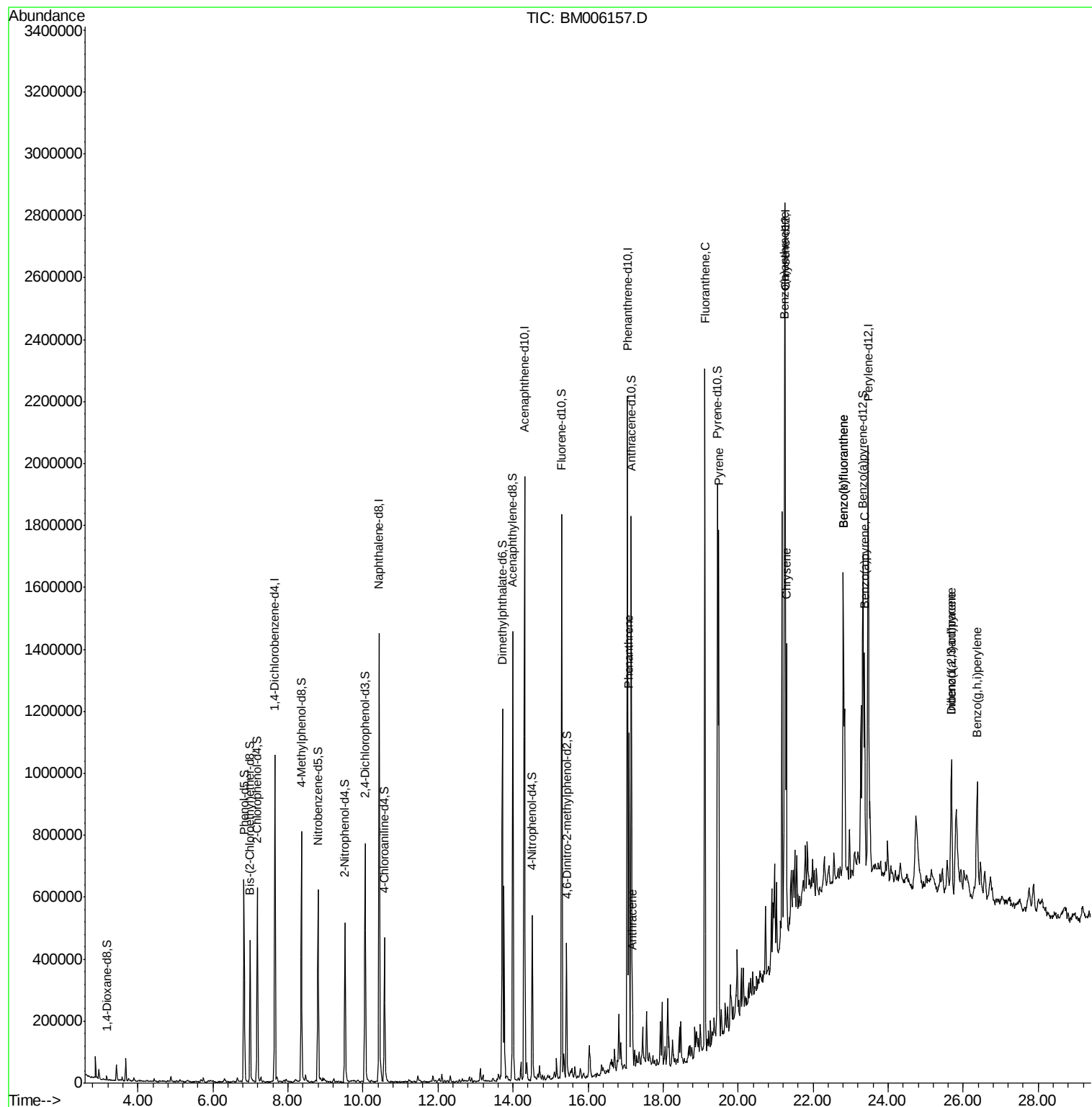
						Qvalue
25) Phenanthrene	17.09	178	623322	10.43	ng/ul	99
27) Anthracene	17.19	178	134231	2.19	ng/ul	99
28) Fluoranthene	19.12	202	1313952	17.96	ng/ul	99
31) Pyrene	19.48	202	974638	20.05	ng/ul	98
32) Benzo(a)anthracene	21.23	228	535914	11.18	ng/ul	98
33) Chrysene	21.29	228	534141	12.11	ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	804748	15.28	ng/ul	99
36) Benzo(k)fluoranthene	22.80	252	804748	16.28	ng/ul	100
38) Benzo(a)pyrene	23.37	252	529724	10.64	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.69	276	422568	8.17	ng/ul#	92
40) Dibenzo(a,h)anthracene	25.69	278	114086	2.67	ng/ul#	88
41) Benzo(g,h,i)perylene	26.37	276	394758	9.12	ng/ul	98

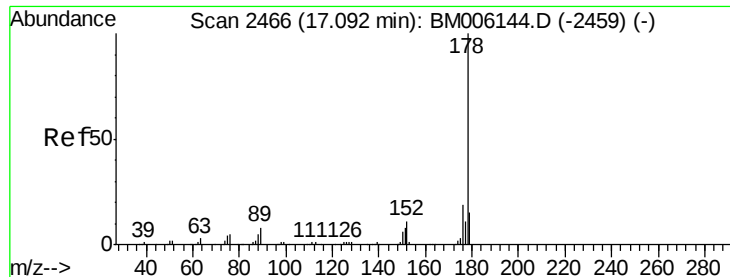
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 10.43 ng/u1

RT: 17.09 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

Instrument :

BNA_M

ClientSampleId :

D9YF8

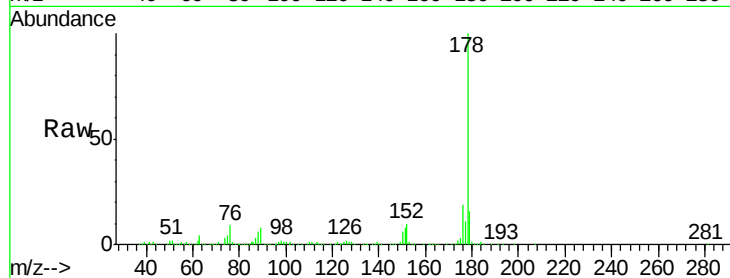
Tgt Ion:178 Resp: 623322

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.2

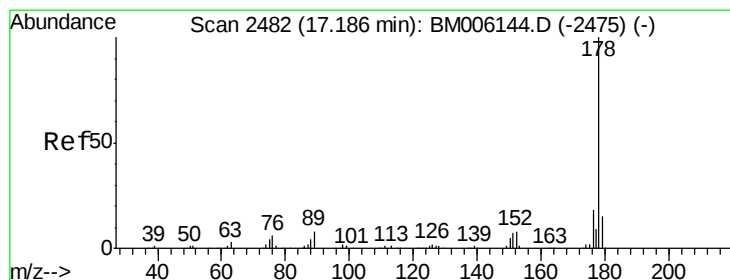
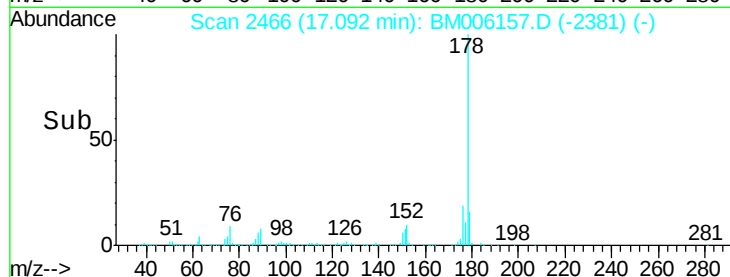
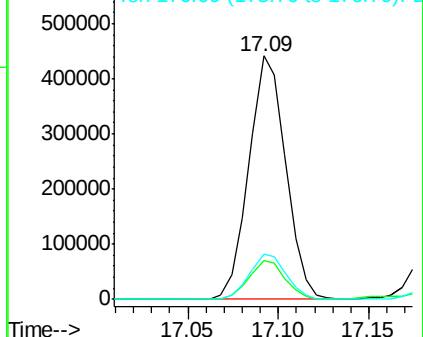
176 18.7 15.3 22.9



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: 2.19 ng/u1

RT: 17.19 min Scan# 2482

Delta R.T. -0.00 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

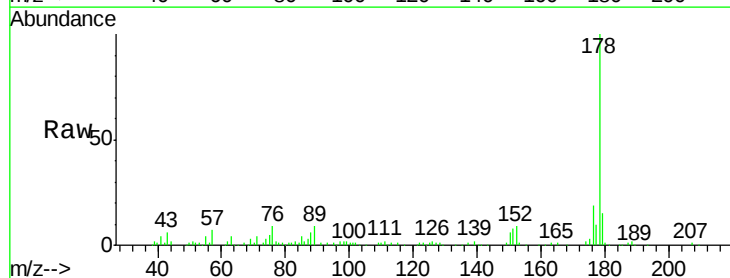
Tgt Ion:178 Resp: 134231

Ion Ratio Lower Upper

178 100

179 15.0 12.3 18.5

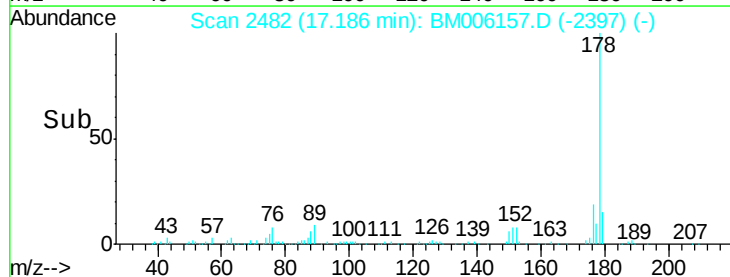
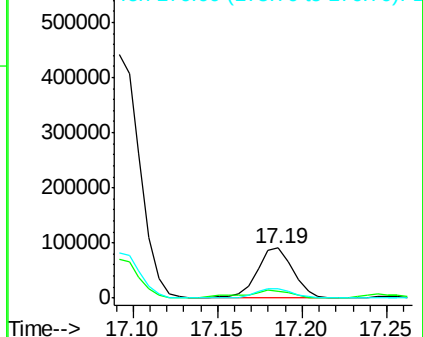
176 19.0 14.6 22.0

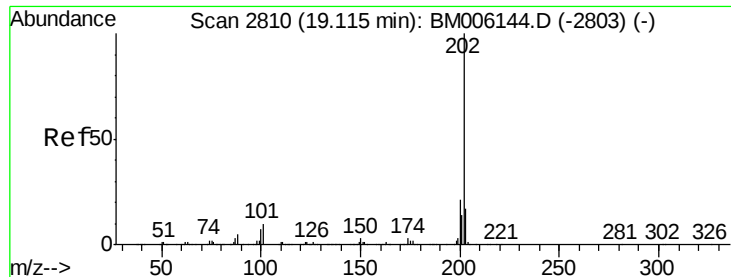


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 17.96 ng/ul

RT: 19.12 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

Instrument :

BNA_M

ClientSampleId :

D9YF8

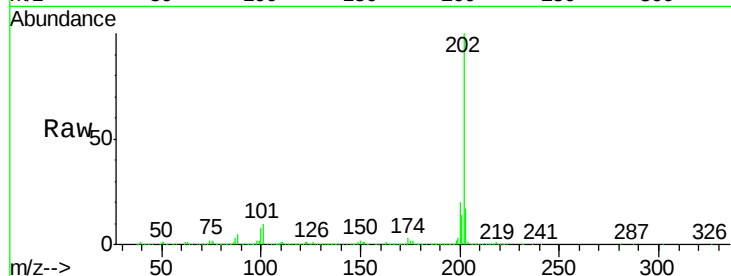
Tgt Ion:202 Resp: 1313952

Ion Ratio Lower Upper

202 100

101 10.3 8.5 12.7

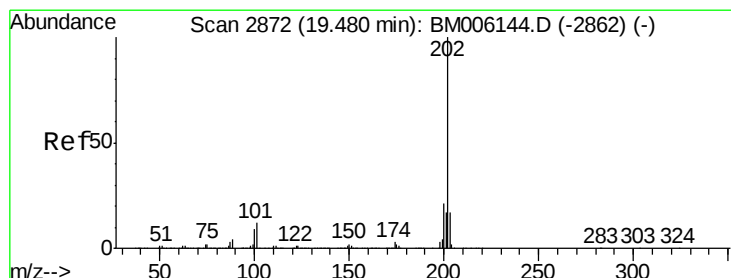
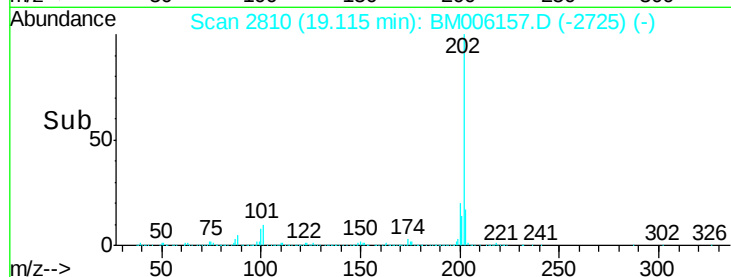
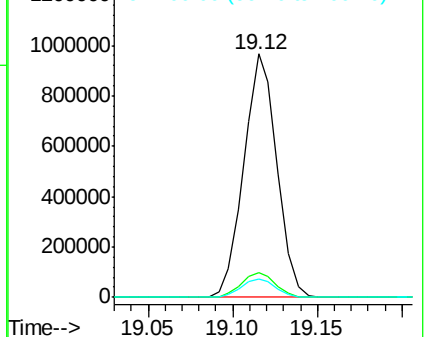
100 7.7 6.5 9.7



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: 20.05 ng/ul

RT: 19.48 min Scan# 2872

Delta R.T. -0.00 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

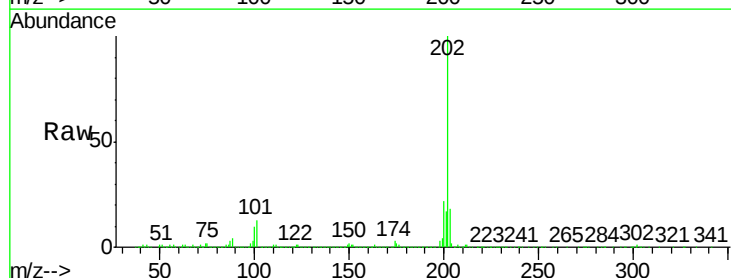
Tgt Ion:202 Resp: 974638

Ion Ratio Lower Upper

202 100

101 12.9 11.0 16.4

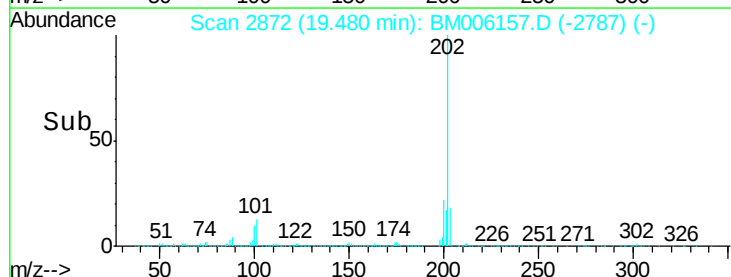
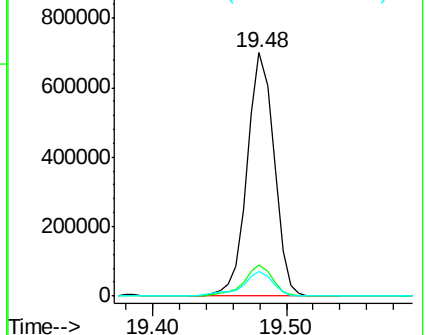
100 10.3 8.9 13.3

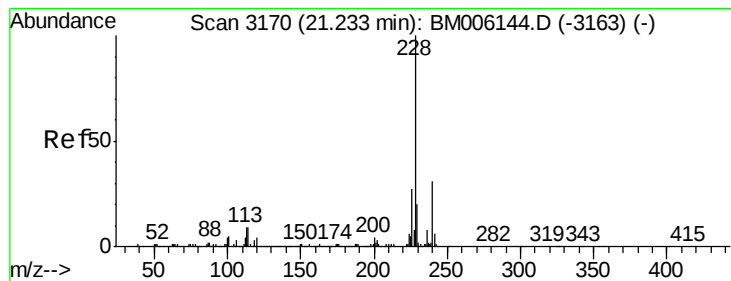


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 11.18 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

Instrument :

BNA_M

ClientSampleId :

D9YF8

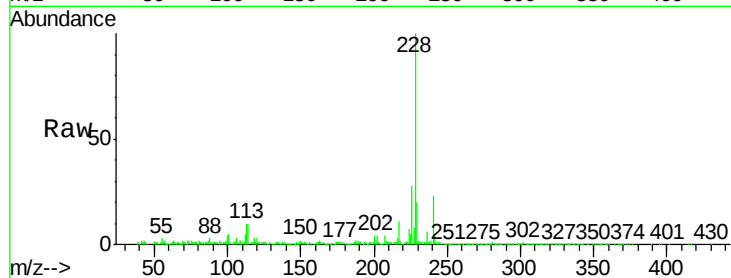
Tgt Ion:228 Resp: 535914

Ion Ratio Lower Upper

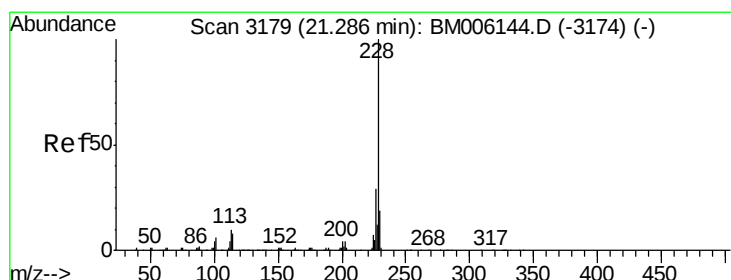
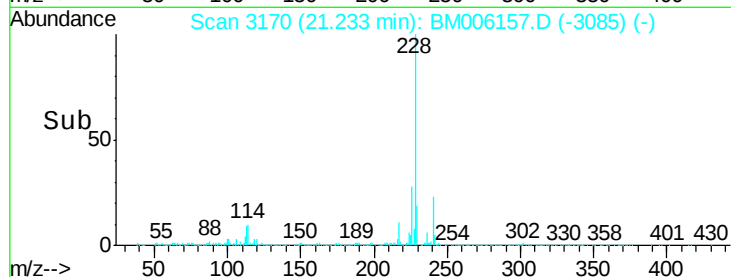
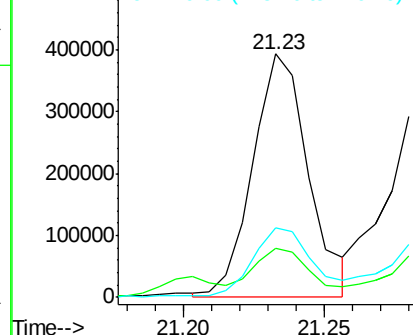
228 100

229 20.4 15.6 23.4

226 28.4 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: 12.11 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. -0.00 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

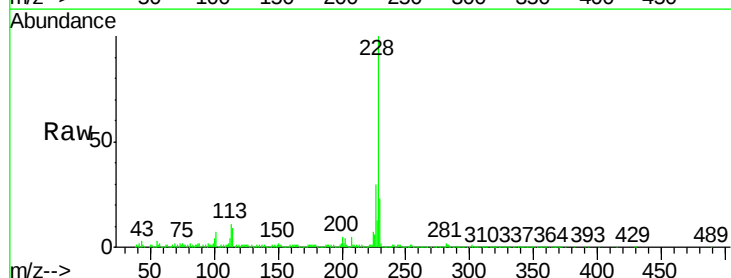
Tgt Ion:228 Resp: 534141

Ion Ratio Lower Upper

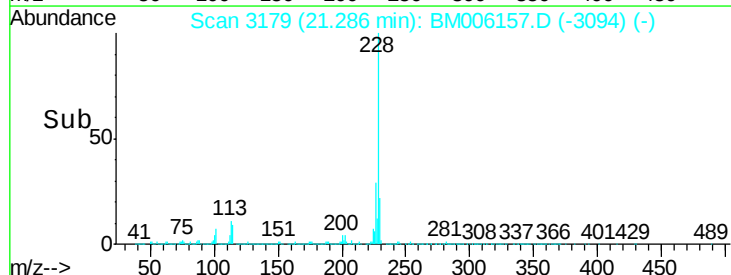
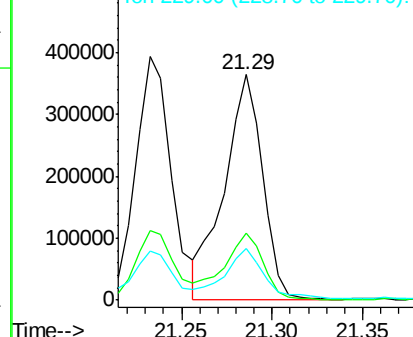
228 100

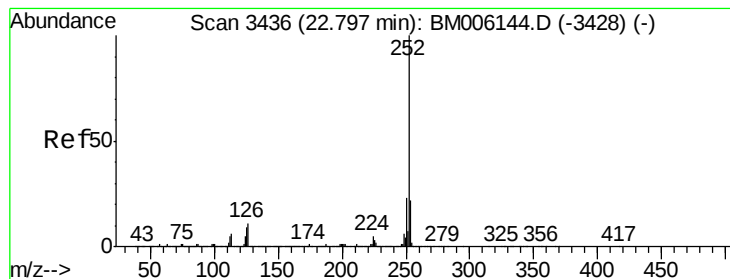
226 29.5 23.8 35.6

229 22.7 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: 15.28 ng/ul

RT: 22.80 min Scan# 3437

Delta R.T. 0.01 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

Instrument :

BNA_M

ClientSampleId :

D9YF8

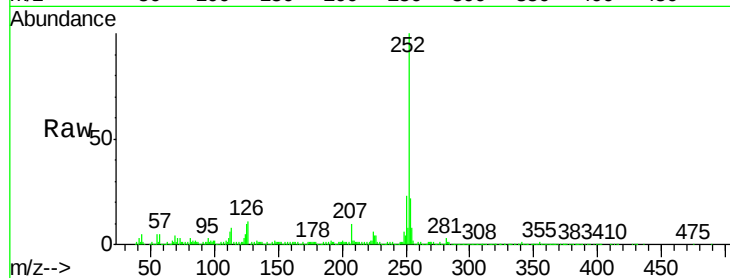
Tgt Ion:252 Resp: 804748

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

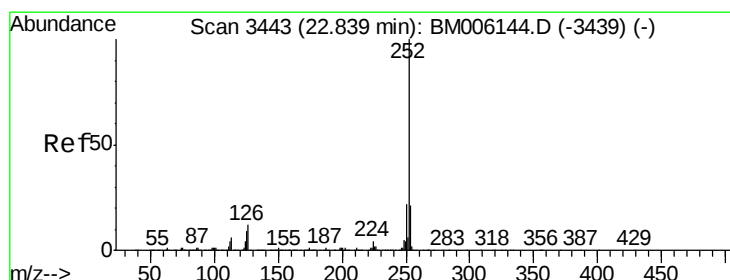
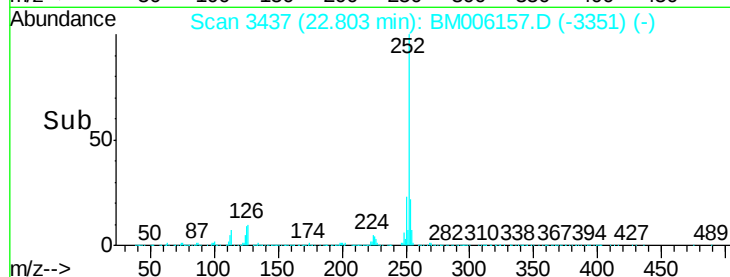
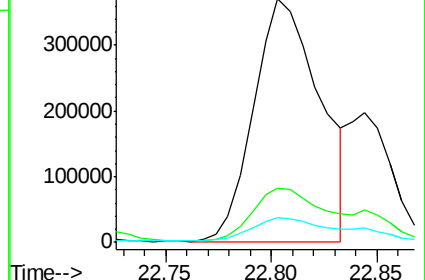
125 10.1 7.8 11.6



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: 16.28 ng/ul

RT: 22.80 min Scan# 3437

Delta R.T. -0.04 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

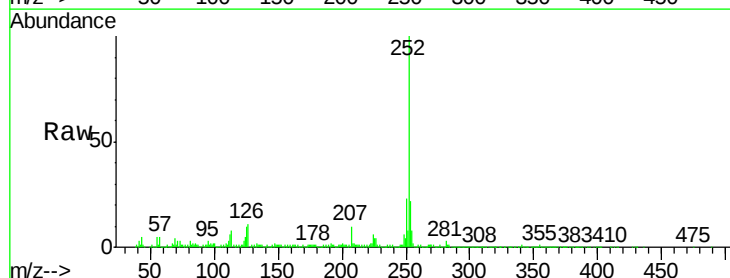
Tgt Ion:252 Resp: 804748

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

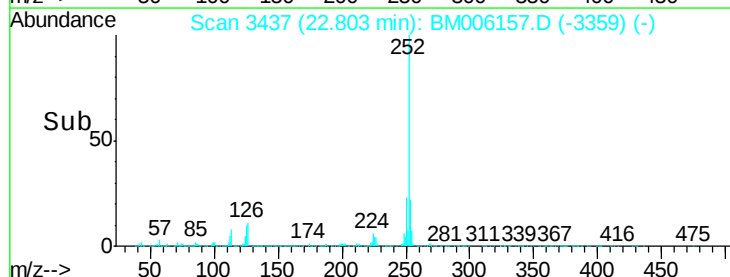
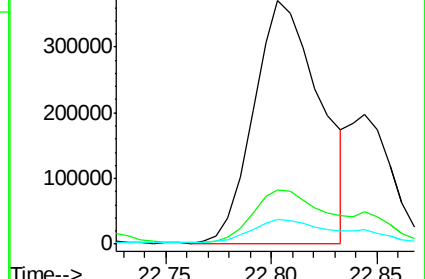
125 10.1 8.1 12.1

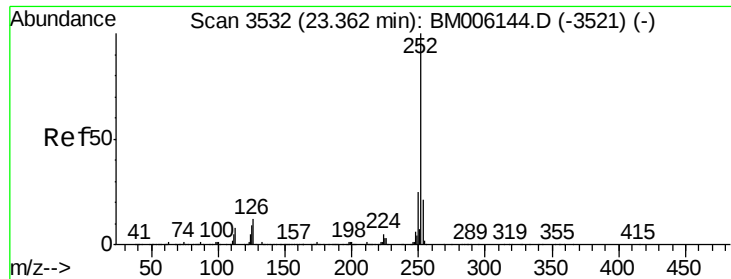


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 10.64 ng/ul

RT: 23.37 min Scan# 3534

Delta R.T. 0.01 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

Instrument :

BNA_M

ClientSampleId :

D9YF8

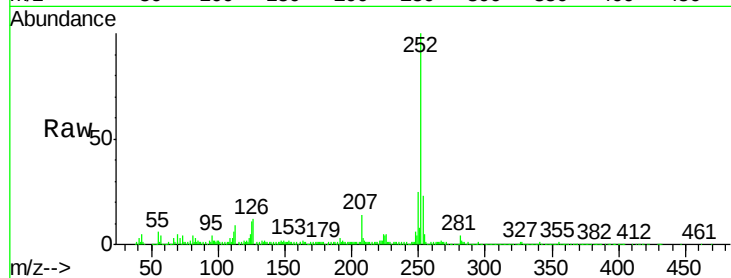
Tgt Ion:252 Resp: 529724

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

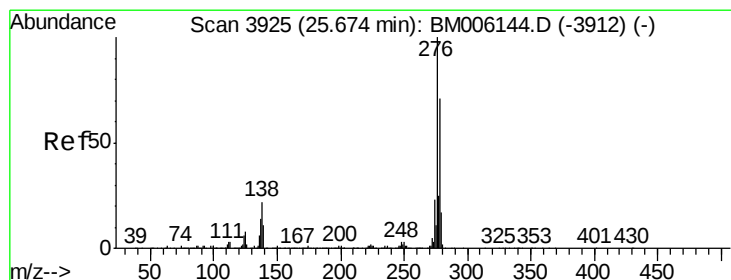
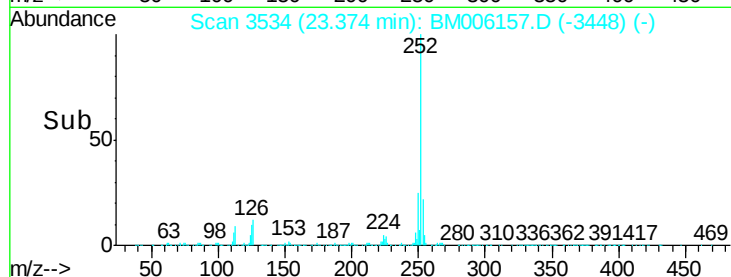
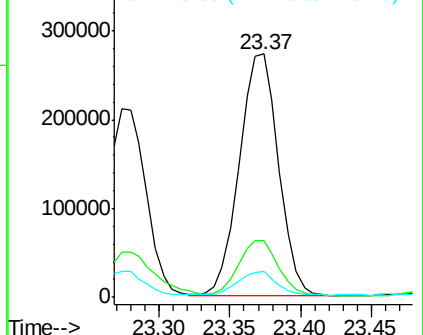
125 10.6 8.7 13.1



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 8.17 ng/ul

RT: 25.69 min Scan# 3928

Delta R.T. 0.01 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

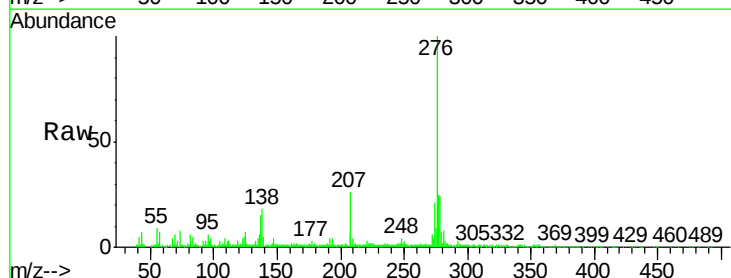
Tgt Ion:276 Resp: 422568

Ion Ratio Lower Upper

276 100

138 18.4 20.4 30.6#

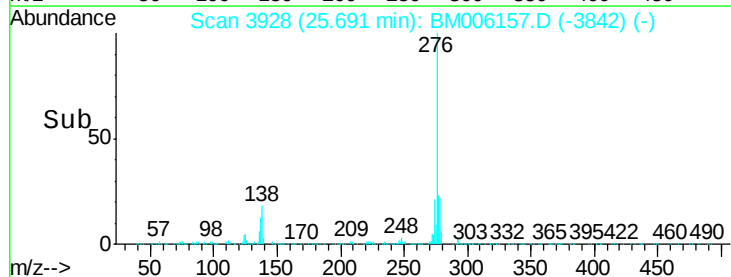
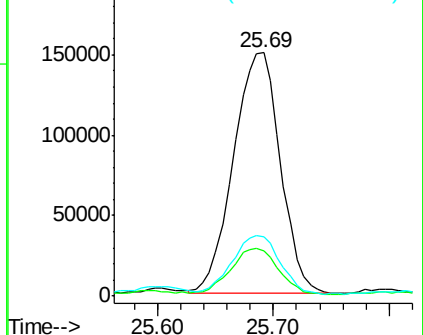
277 24.5 20.6 30.8

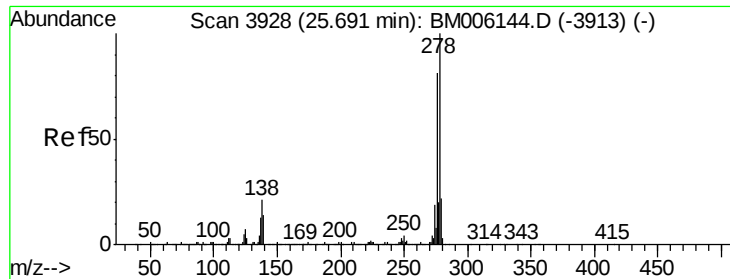


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 2.67 ng/ul

RT: 25.69 min Scan# 3928

Delta R.T. -0.00 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

Instrument :

BNA_M

ClientSampleId :

D9YF8

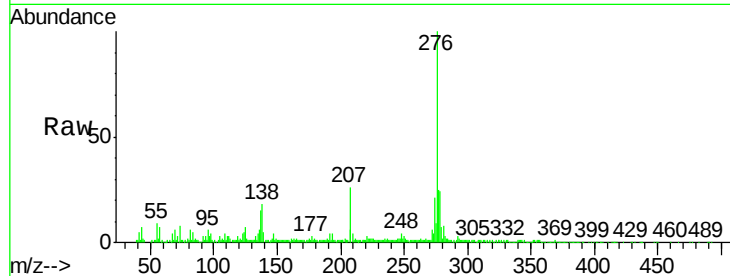
Tgt Ion:278 Resp: 114086

Ion Ratio Lower Upper

278 100

139 19.6 13.0 19.4#

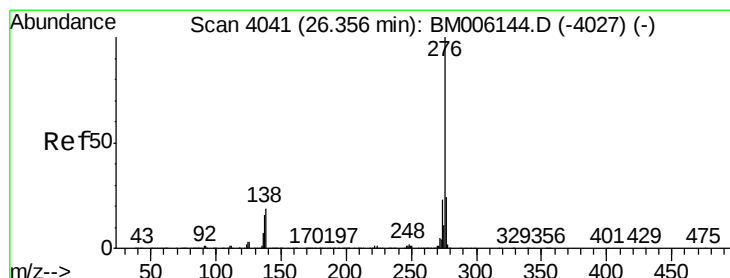
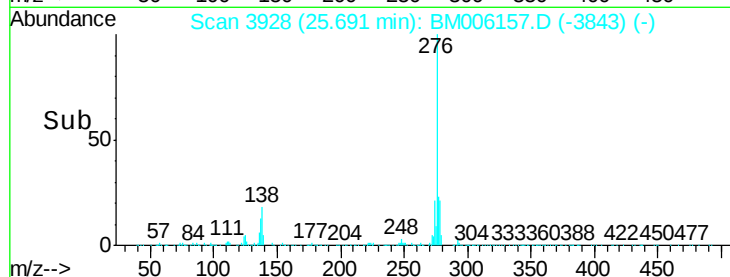
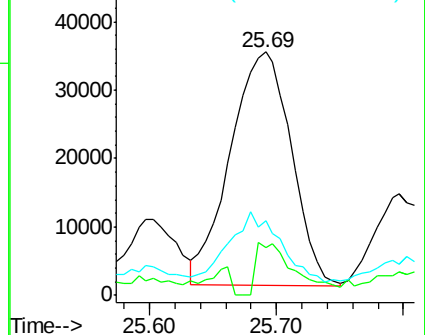
279 30.8 18.8 28.2#



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: 9.12 ng/ul

RT: 26.37 min Scan# 4043

Delta R.T. 0.01 min

Lab File: BM006157.D

Acq: 30 Jun 2016 13:10

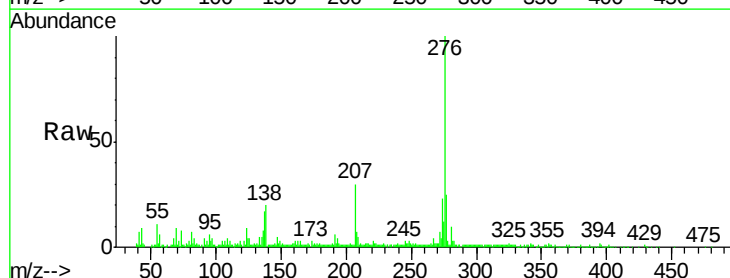
Tgt Ion:276 Resp: 394758

Ion Ratio Lower Upper

276 100

138 19.7 16.6 25.0

277 24.6 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

