

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073116\
 Data File : BM006801.D
 Acq On : 31 Jul 2016 22:53
 Operator : UM/SJ
 Sample : H4188-22
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 06:45:09 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 30 01:37:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	217416	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	938088	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	523426	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	1172621	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	1280586	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1359110	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	7816	1.45	ng/uL	0.00
3) Phenol-d5	6.79	99	311638	16.85	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	207530	18.11	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	257545	17.43	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	207045	14.43	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	126963	17.88	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	139556	18.48	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	244661	17.15	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	294077	18.71	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	741265	18.06	ng/ul	0.00
17) Acenaphthylene-d8	13.94	160	961186	18.35	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	99034	13.89	ng/ul	0.00
21) Fluorene-d10	15.26	176	671904	18.31	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	76442	12.56	ng/ul	0.00
26) Anthracene-d10	17.11	188	1026926	18.44	ng/ul	0.00
30) Pyrene-d10	19.42	212	1153470	19.77	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.28	264	1161221	18.57	ng/ul	0.00

Target Compounds

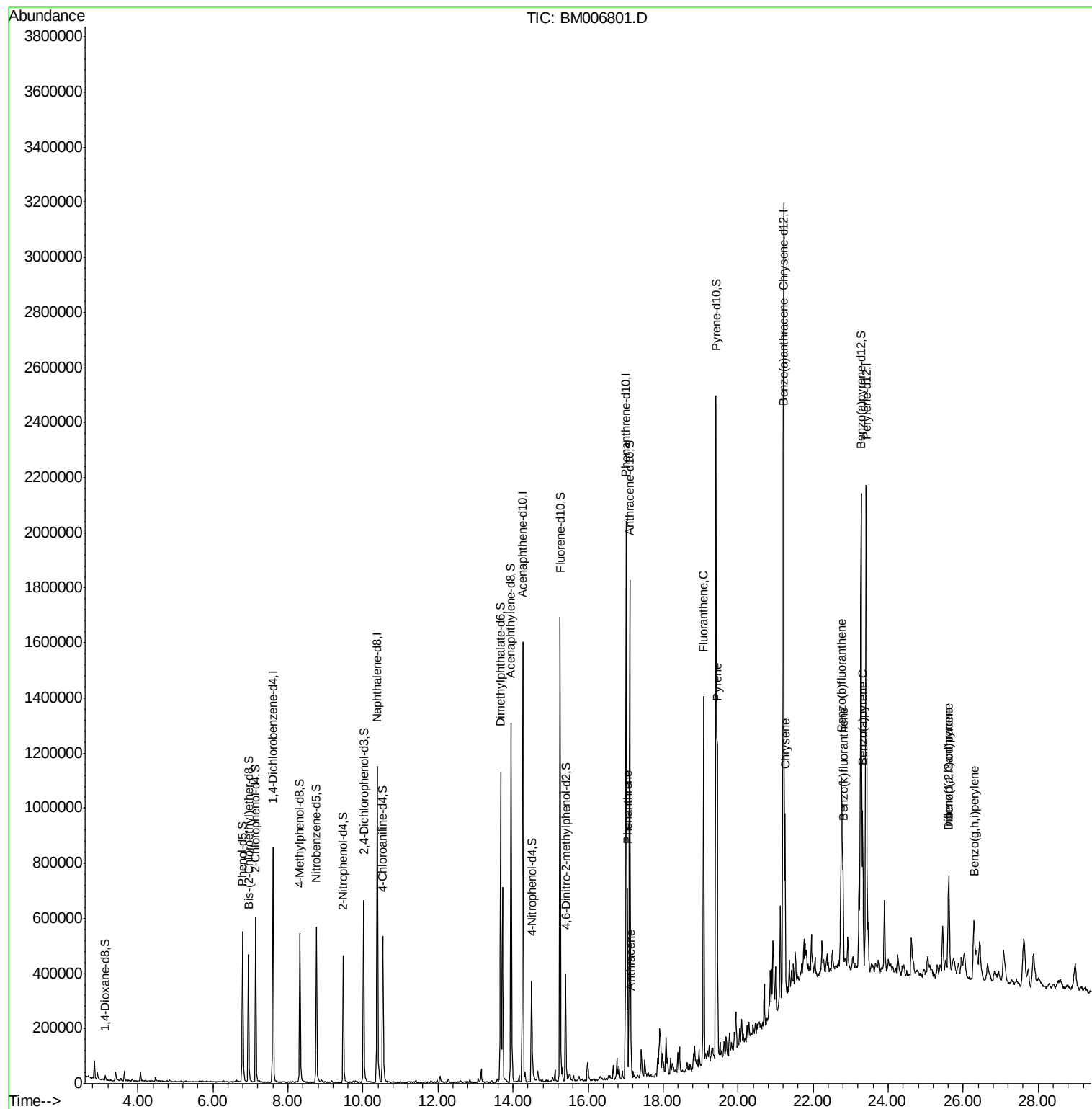
						Ovalue
25) Phenanthrene	17.05	178	409279	6.21	ng/ul	98
27) Anthracene	17.14	178	79438	1.17	ng/ul	97
28) Fluoranthene	19.08	202	836277	10.79	ng/ul	97
31) Pyrene	19.44	202	686514	8.85	ng/ul	97
32) Benzo(a)anthracene	21.20	228	342401	4.41	ng/ul	96
33) Chrysene	21.25	228	398885	5.57	ng/ul	97
35) Benzo(b)fluoranthene	22.76	252	588964	7.23	ng/ul	99
36) Benzo(k)fluoranthene	22.80	252	186499	2.37	ng/ul	95
38) Benzo(a)pyrene	23.32	252	378953	4.78	ng/ul	96
39) Indeno(1,2,3-cd)pyrene	25.62	276	314761	3.43	ng/ul	98
40) Dibenzo(a,h)anthracene	25.61	278	77254	1.01	ng/ul	92
41) Benzo(g,h,i)perylene	26.29	276	266033	3.38	ng/ul#	95

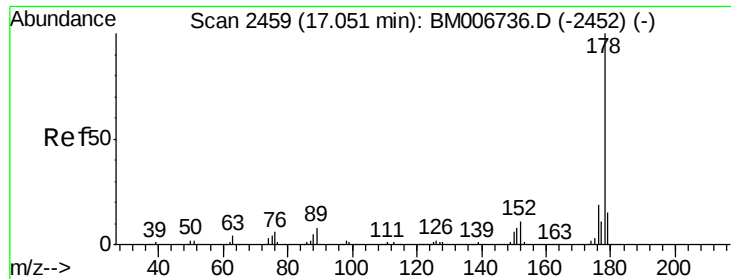
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 01 06:45:09 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration





#25

Phenanthrene

Concen: 6.21 ng/ul

RT: 17.05 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BM006801.D

Acq: 31 Jul 2016 22:53

Instrument :

BNA_M

ClientSampleId :

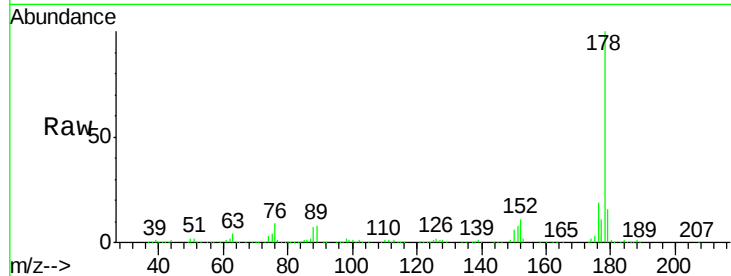
Tot Ion:178 Resp: 409279

Ion Ratio Lower Upper

178 100

179 16.0 11.8 17.8

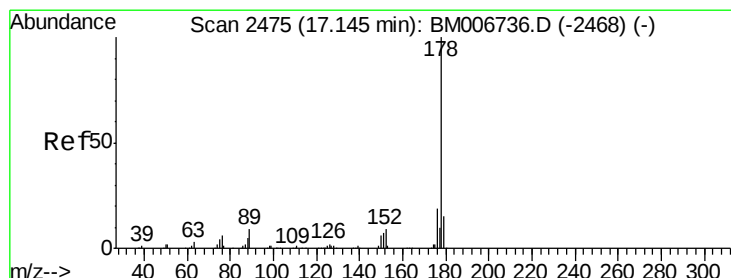
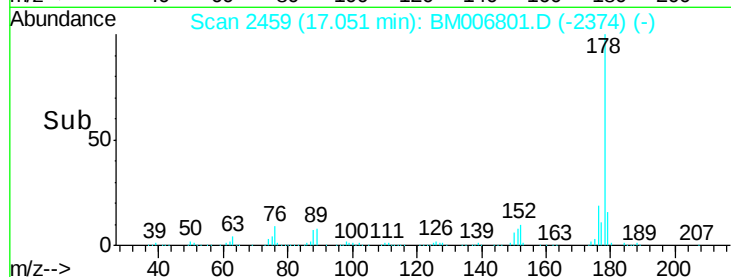
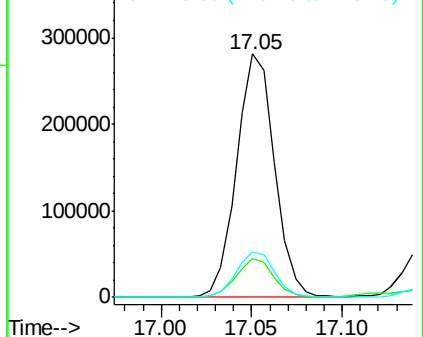
176 18.8 14.8 22.2



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: 1.17 ng/ul

RT: 17.14 min Scan# 2475

Delta R.T. -0.00 min

Lab File: BM006801.D

Acq: 31 Jul 2016 22:53

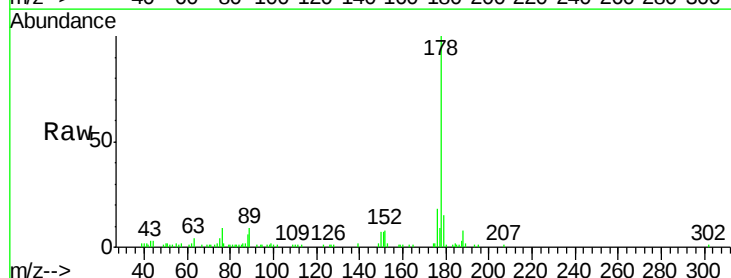
Tgt Ion:178 Resp: 79438

Ion Ratio Lower Upper

178 100

179 15.3 12.9 19.3

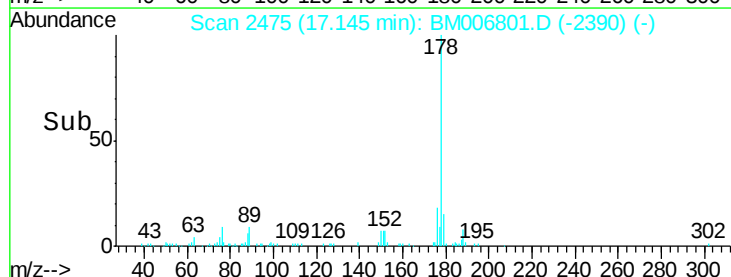
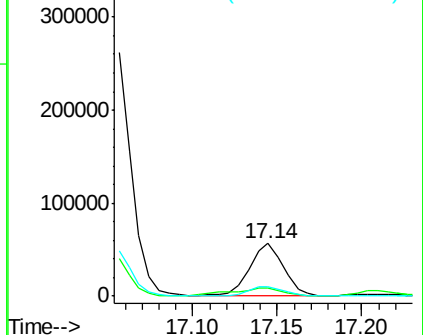
176 17.6 15.6 23.4

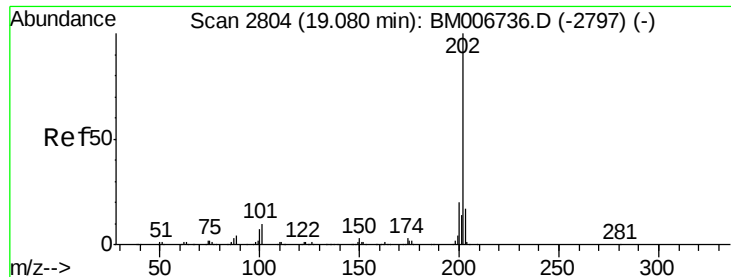


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 10.79 ng/ul

RT: 19.08 min Scan# 2804

Delta R.T. -0.00 min

Lab File: BM006801.D

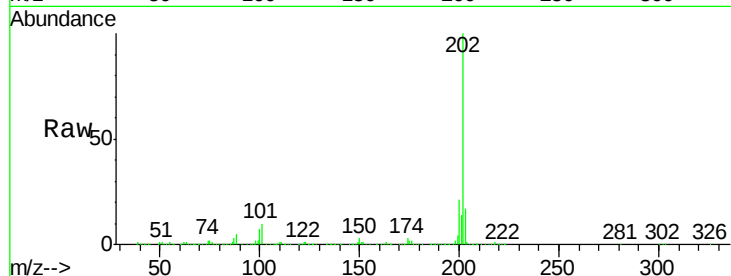
Acq: 31 Jul 2016 22:53

Instrument :

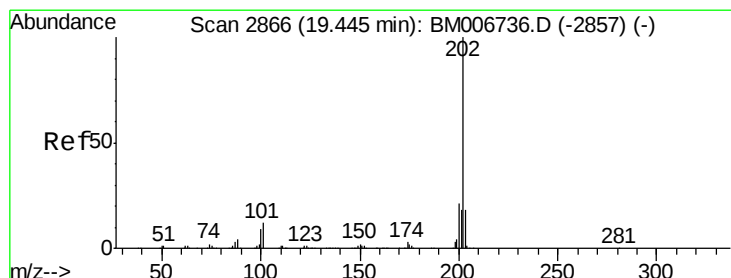
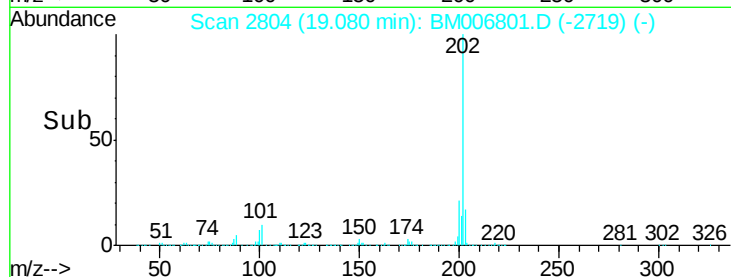
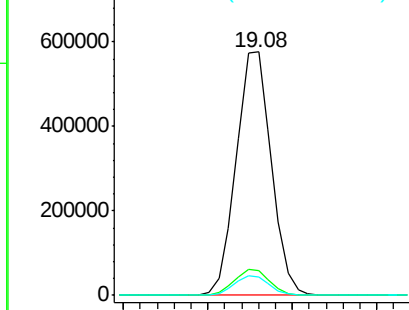
BNA_M

ClientSampleId :

Tot Ion:	202	Resp:	836277
Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.9	13.3
100	7.5	7.0	10.4



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: 8.85 ng/ul

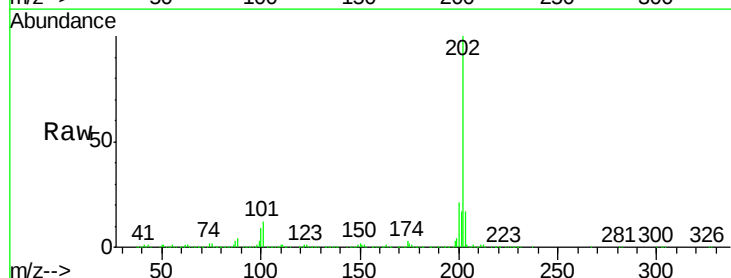
RT: 19.44 min Scan# 2866

Delta R.T. -0.00 min

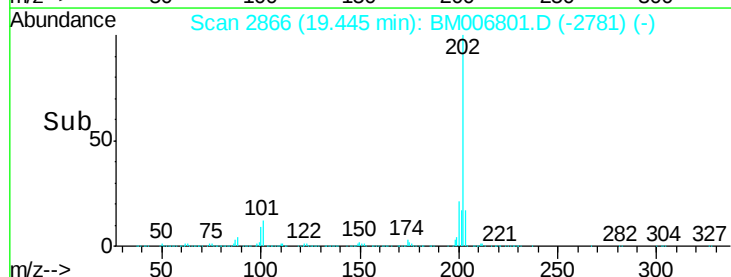
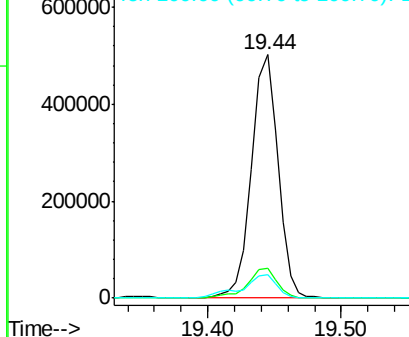
Lab File: BM006801.D

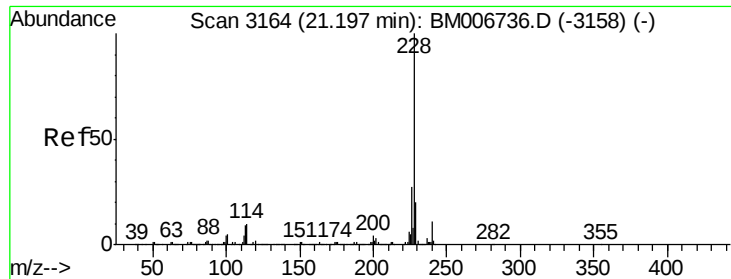
Acq: 31 Jul 2016 22:53

Tgt Ion:	202	Resp:	686514
Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.8	14.8
100	9.4	9.3	13.9



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: 4.41 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BM006801.D

Acq: 31 Jul 2016 22:53

Instrument :

BNA_M

ClientSampleId :

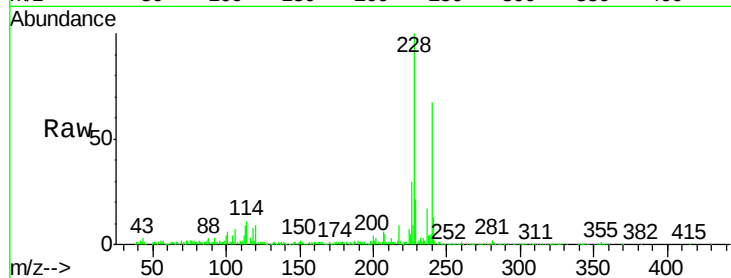
Tot Ion:228 Resp: 342401

Ion Ratio Lower Upper

228 100

229 20.8 16.6 25.0

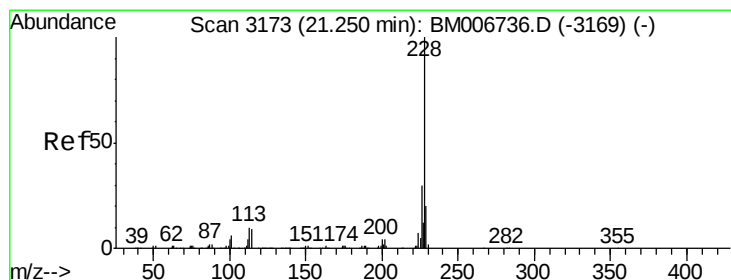
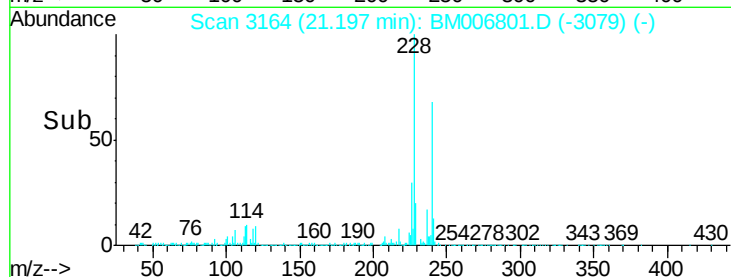
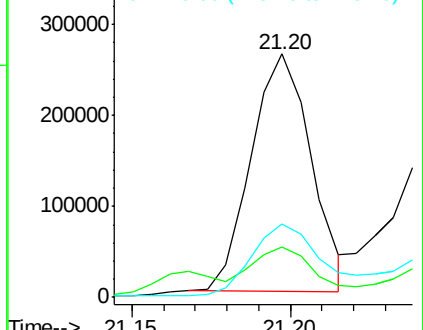
226 30.1 21.0 31.4



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: 5.57 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BM006801.D

Acq: 31 Jul 2016 22:53

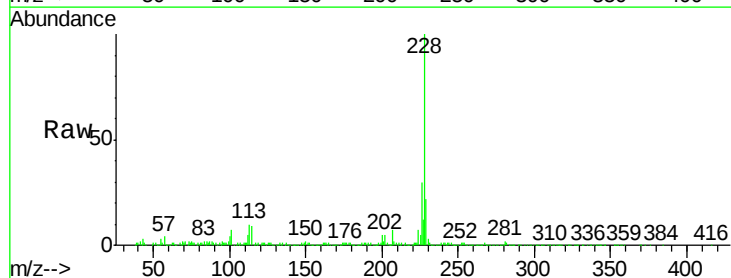
Tgt Ion:228 Resp: 398885

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

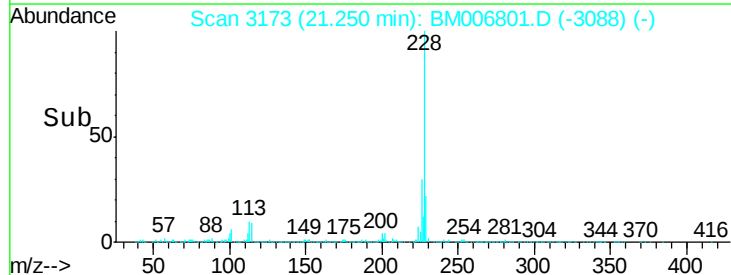
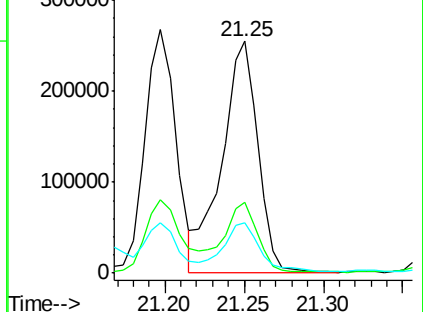
229 21.9 16.2 24.2

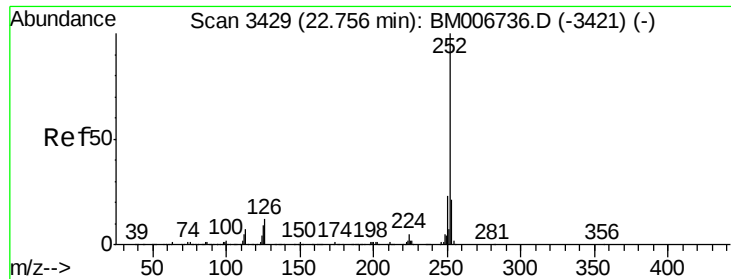


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 7.23 ng/ul

RT: 22.76 min Scan# 3429

Delta R.T. -0.00 min

Lab File: BM006801.D

Acq: 31 Jul 2016 22:53

Instrument :

BNA_M

ClientSampleId :

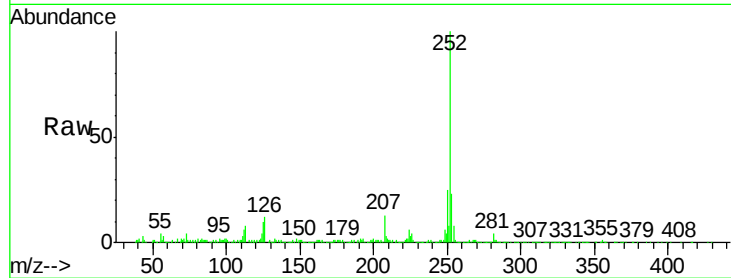
Tot Ion:252 Resp: 588964

Ion Ratio Lower Upper

252 100

253 23.0 18.1 27.1

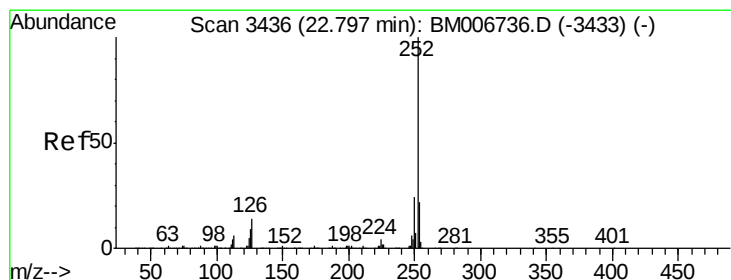
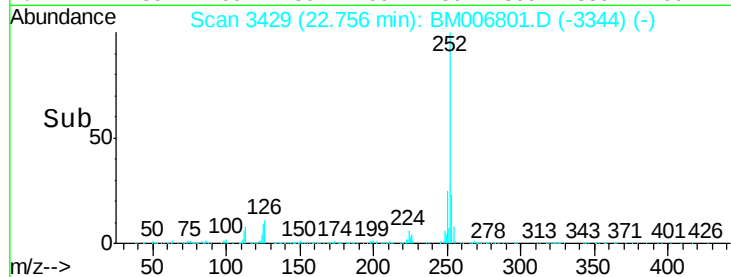
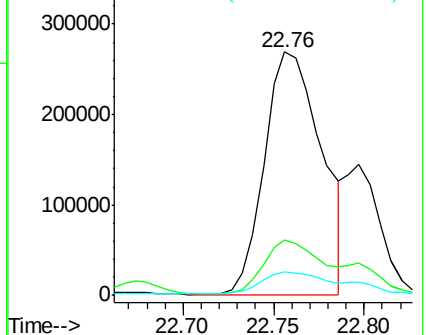
125 9.9 7.6 11.4



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



#36

Benzo(k)fluoranthene

Concen: 2.37 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006801.D

Acq: 31 Jul 2016 22:53

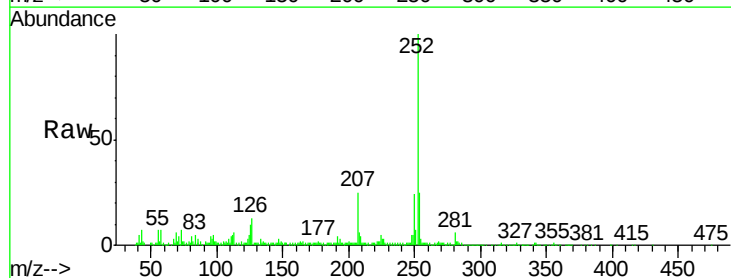
Tgt Ion:252 Resp: 186499

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.8

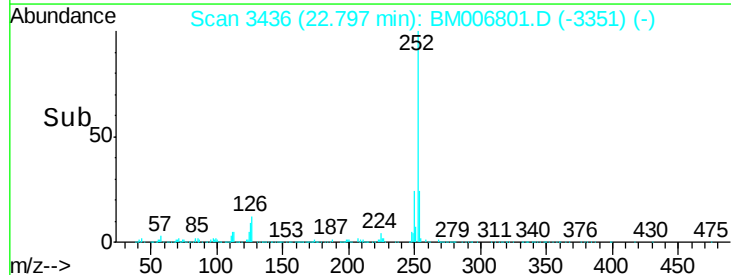
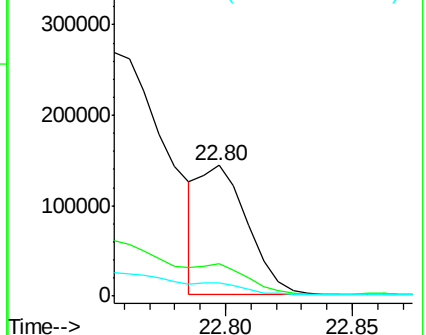
125 10.1 7.7 11.5

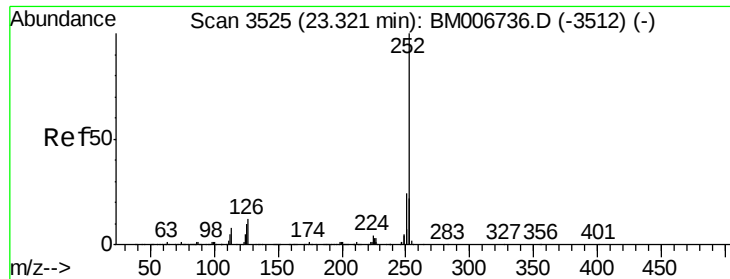


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 4.78 ng/ul

RT: 23.32 min Scan# 3525

Delta R.T. -0.00 min

Lab File: BM006801.D

Acq: 31 Jul 2016 22:53

Instrument :

BNA_M

ClientSampleId :

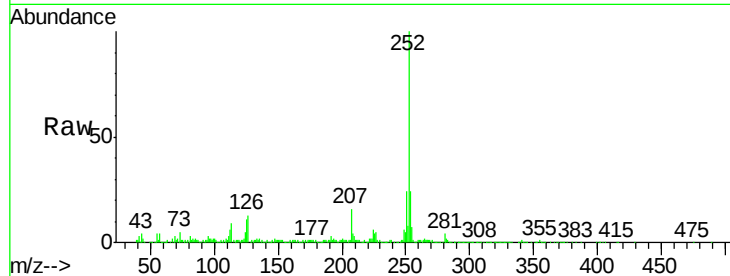
Tot Ion:252 Resp: 378953

Ion Ratio Lower Upper

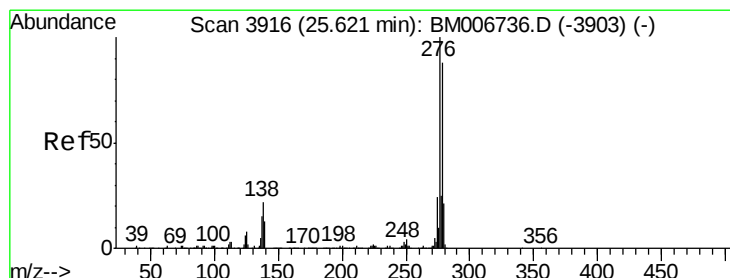
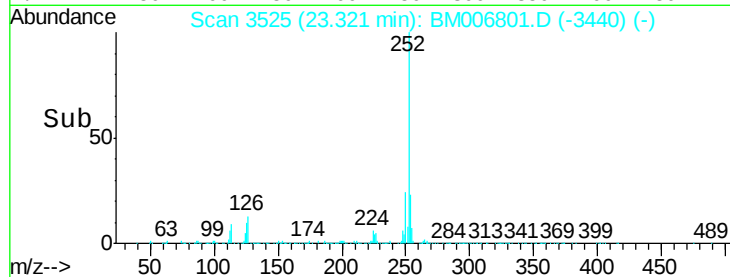
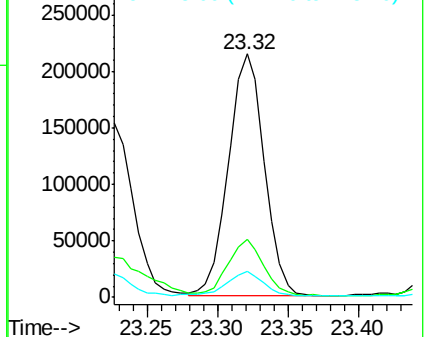
252 100

253 23.9 17.4 26.0

125 10.7 8.2 12.2



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 3.43 ng/ul

RT: 25.62 min Scan# 3916

Delta R.T. -0.00 min

Lab File: BM006801.D

Acq: 31 Jul 2016 22:53

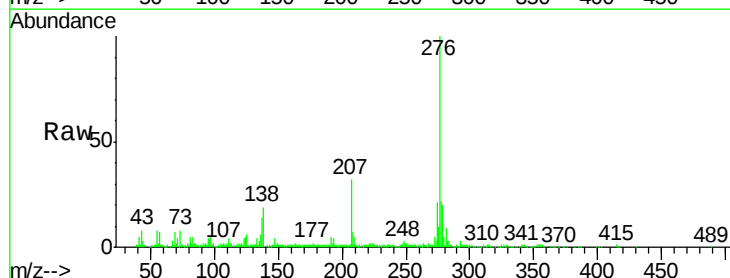
Tgt Ion:276 Resp: 314761

Ion Ratio Lower Upper

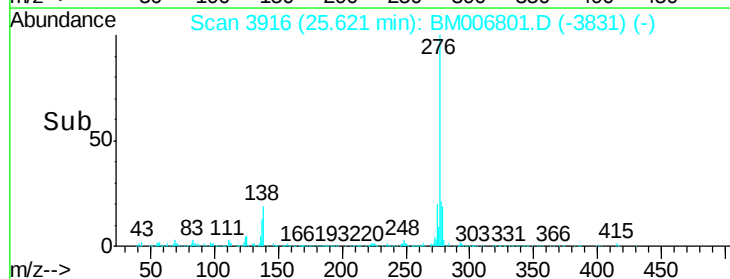
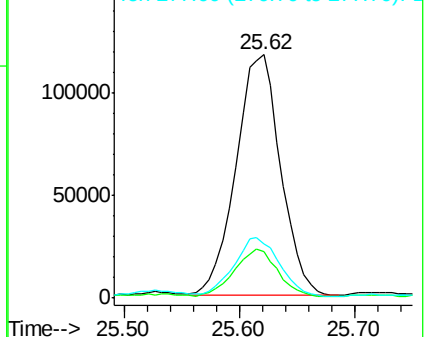
276 100

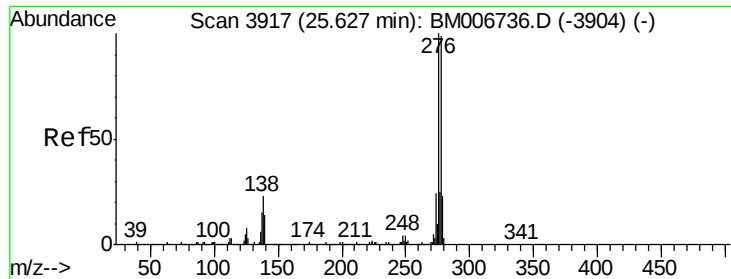
138 19.3 15.8 23.6

277 22.4 19.0 28.6



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: 1.01 ng/ul

RT: 25.61 min Scan# 3915

Delta R.T. -0.01 min

Lab File: BM006801.D

Acq: 31 Jul 2016 22:53

Instrument :

BNA_M

ClientSampleId :

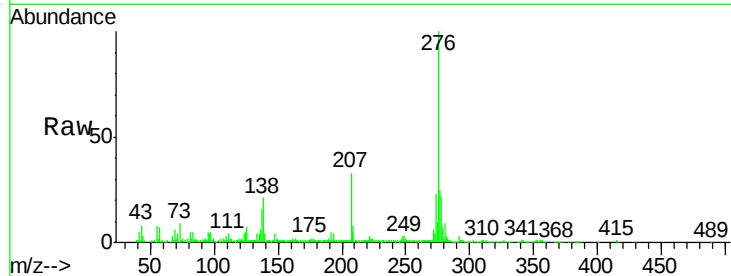
Tot Ion:278 Resp: 77254

Ion Ratio Lower Upper

278 100

139 17.9 12.1 18.1

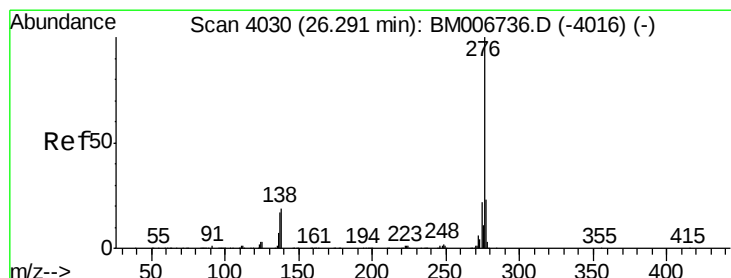
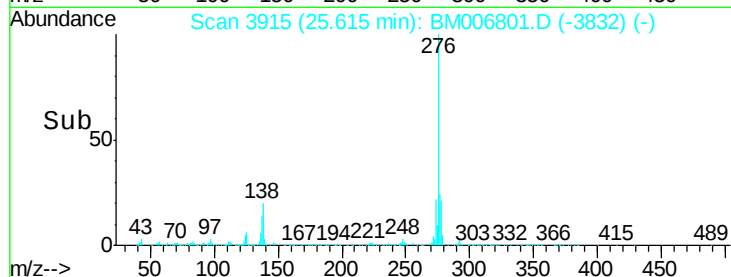
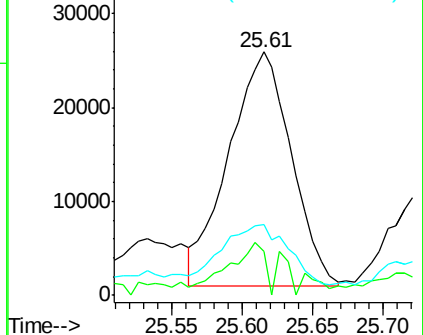
279 29.2 19.8 29.8



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: 3.38 ng/ul

RT: 26.29 min Scan# 4030

Delta R.T. -0.00 min

Lab File: BM006801.D

Acq: 31 Jul 2016 22:53

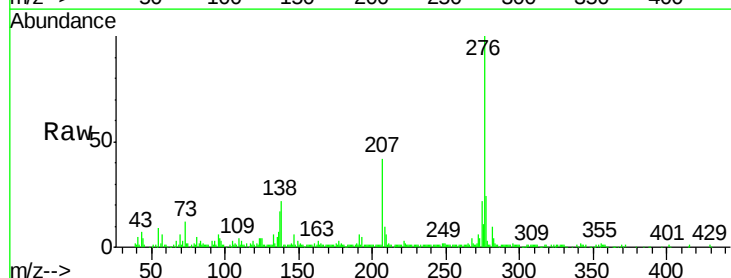
Tgt Ion:276 Resp: 266033

Ion Ratio Lower Upper

276 100

138 21.6 13.9 20.9#

277 23.8 19.8 29.6



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

