

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073116\
 Data File : BM006806.D
 Acq On : 01 Aug 2016 01:56
 Operator : UM/SJ
 Sample : H4188-15MS
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 06:46:07 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	255591	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	1034095	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	558143	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	1238490	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	1340316	20.00	ng/ul	0.00
34) Perylene-d12	23.42	264	1426690	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	10078	1.59	ng/uL	0.00
3) Phenol-d5	6.79	99	318515	14.65	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	229594	17.04	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	277974	16.00	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	160404	9.51	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	144547	18.47	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	158381	19.03	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	271099	17.23	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	232928	13.45	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	839121	19.17	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	1085630	19.44	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	81979	10.79	ng/ul	0.00
21) Fluorene-d10	15.26	176	754776	19.28	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	73802	11.48	ng/ul	0.00
26) Anthracene-d10	17.11	188	1154253	19.63	ng/ul	0.00
30) Pyrene-d10	19.42	212	1279252	20.95	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.28	264	1290508	19.66	ng/ul	0.00

Target Compounds

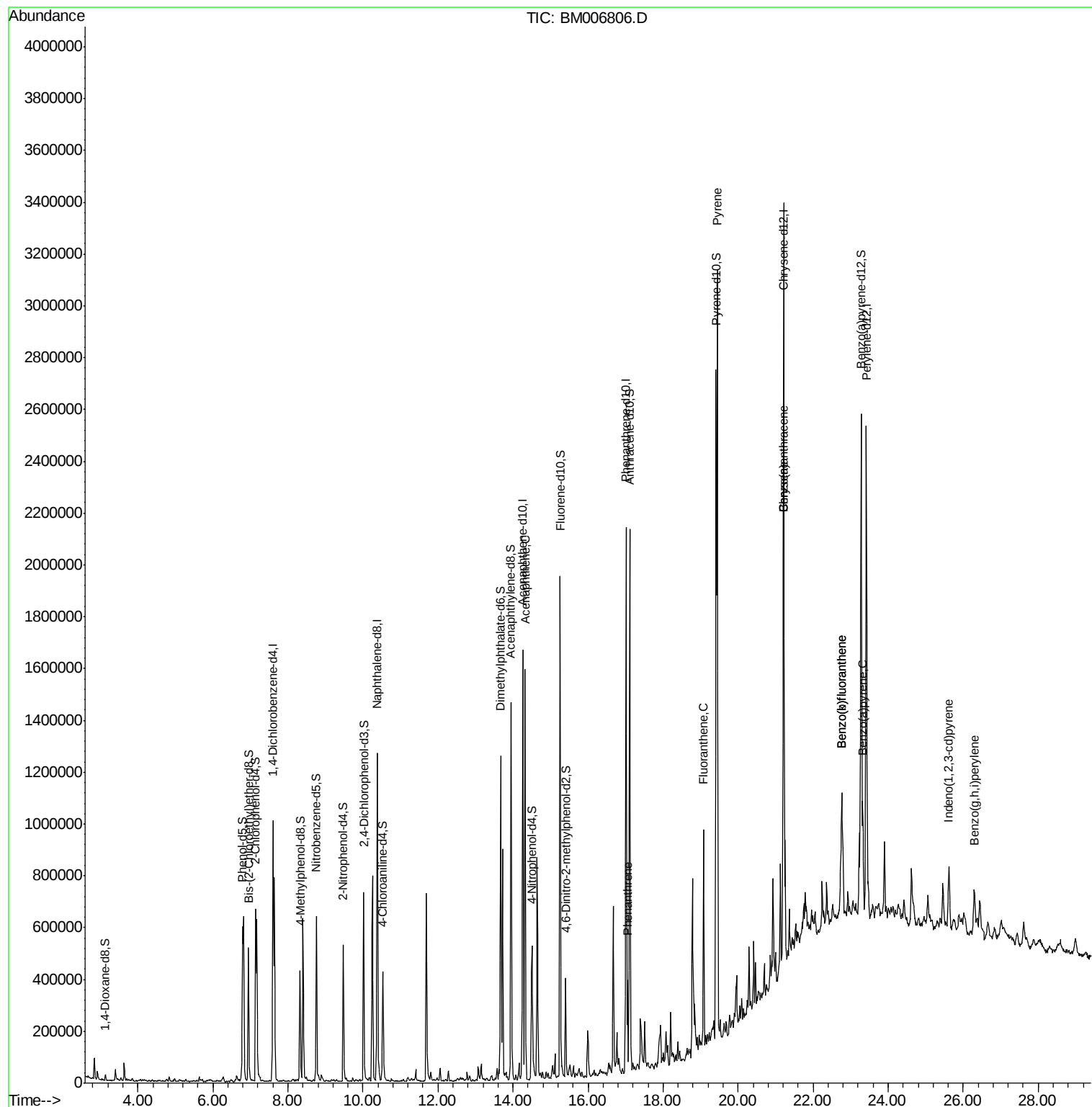
						Ovalue
19) Acenaphthene	14.32	153	630385	16.40	ng/ul	94
25) Phenanthrene	17.05	178	203796	2.93	ng/ul	99
28) Fluoranthene	19.08	202	488574	5.97	ng/ul	97
31) Pyrene	19.44	202	1788531	22.04	ng/ul	97
32) Benzo(a)anthracene	21.20	228	267611	3.29	ng/ul	97
33) Chrysene	21.20	228	267611	3.57	ng/ul	98
35) Benzo(b)fluoranthene	22.76	252	407895	4.77	ng/ul	98
36) Benzo(k)fluoranthene	22.76	252	407895	4.93	ng/ul	97
38) Benzo(a)pyrene	23.32	252	284137	3.41	ng/ul	96
39) Indeno(1,2,3-cd)pyrene	25.63	276	229621	2.38	ng/ul	98
41) Benzo(g,h,i)perylene	26.30	276	228007	2.76	ng/ul#	95

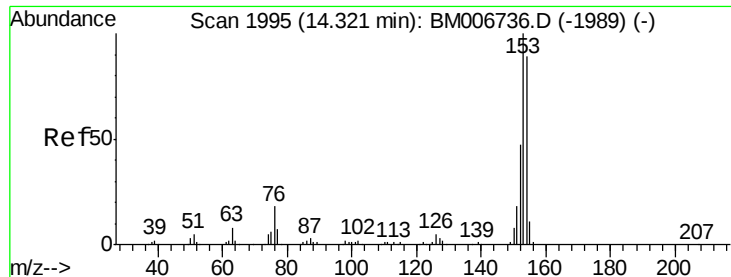
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration





#19

Acenaphthene

Concen: 16.40 ng/ul

RT: 14.32 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BM006806.D

Acq: 01 Aug 2016 01:56

Instrument :

BNA_M

ClientSampleId :

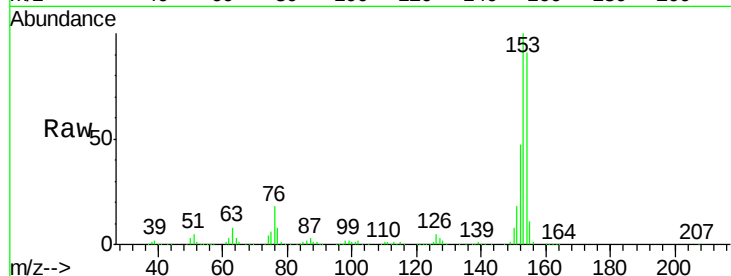
Tot Ion:153 Resp: 630385

Ion Ratio Lower Upper

153 100

152 47.5 36.5 54.7

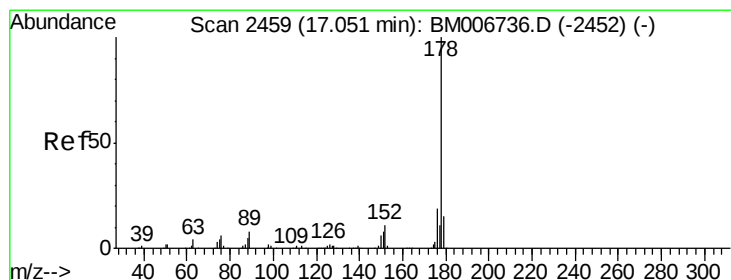
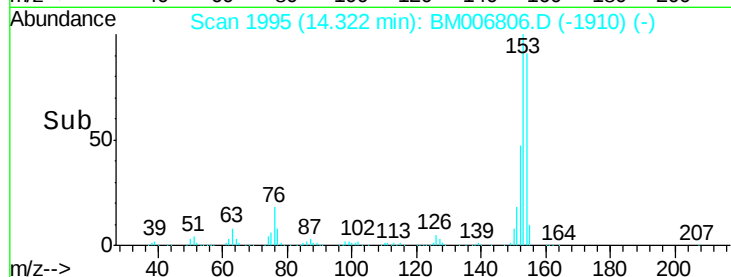
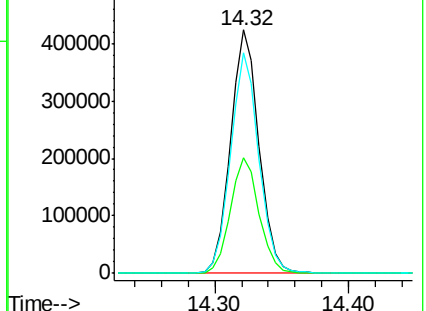
154 90.8 67.3 100.9



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#25

Phenanthrene

Concen: 2.93 ng/ul

RT: 17.05 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BM006806.D

Acq: 01 Aug 2016 01:56

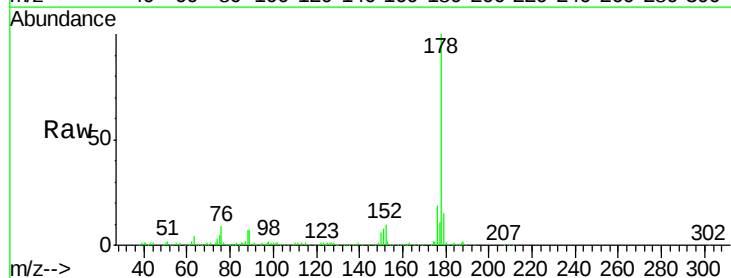
Tgt Ion:178 Resp: 203796

Ion Ratio Lower Upper

178 100

179 15.0 11.8 17.8

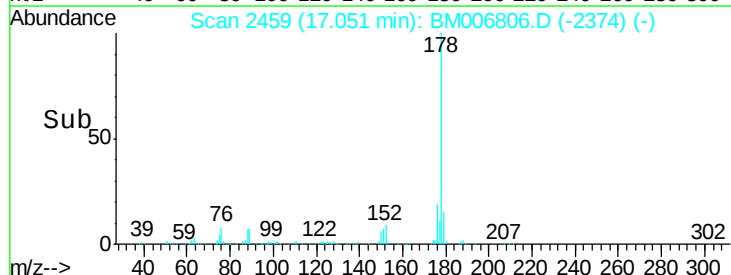
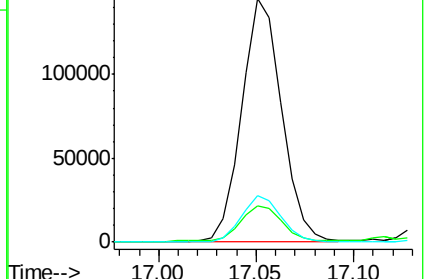
176 19.3 14.8 22.2

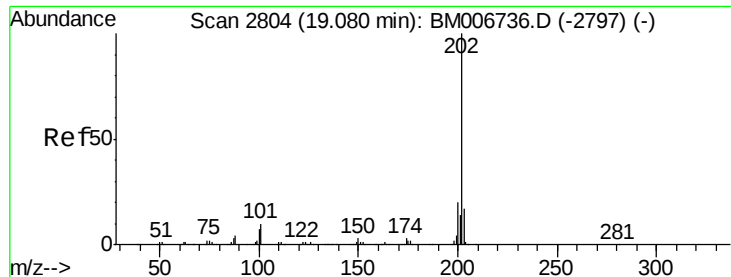


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 5.97 ng/ul

RT: 19.08 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BM006806.D

Acq: 01 Aug 2016 01:56

Instrument :

BNA_M

ClientSampleId :

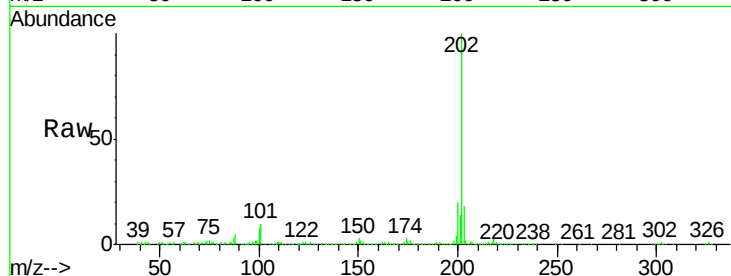
Tot Ion:202 Resp: 488574

Ion Ratio Lower Upper

202 100

101 9.6 8.9 13.3

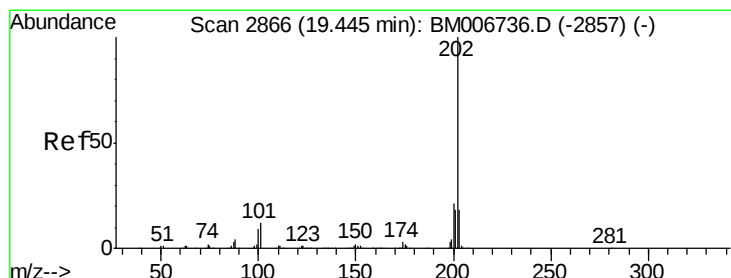
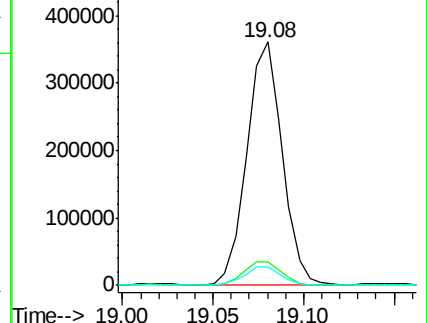
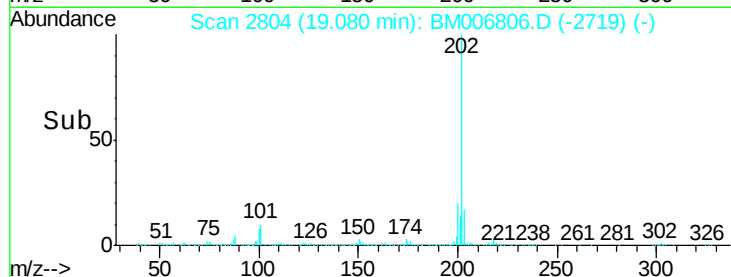
100 7.7 7.0 10.4



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: 22.04 ng/ul

RT: 19.44 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BM006806.D

Acq: 01 Aug 2016 01:56

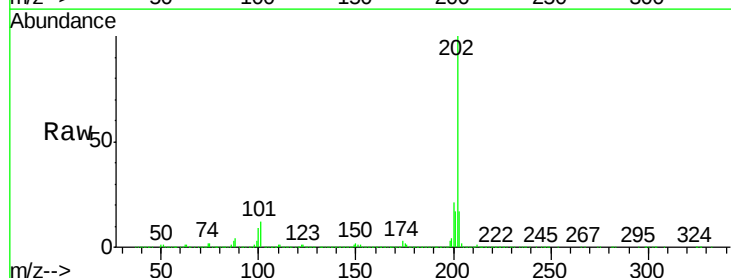
Tgt Ion:202 Resp: 1788531

Ion Ratio Lower Upper

202 100

101 12.2 9.8 14.8

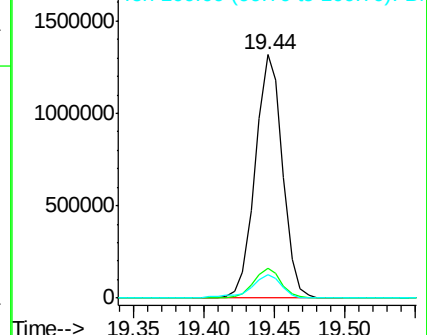
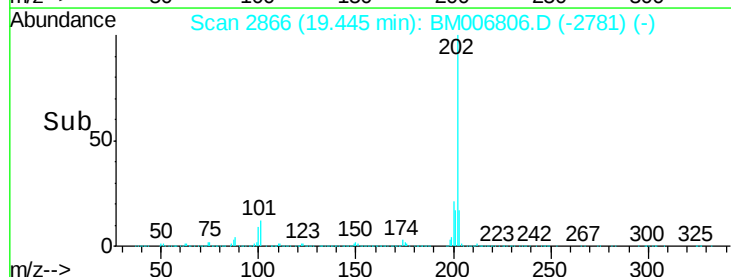
100 9.4 9.3 13.9

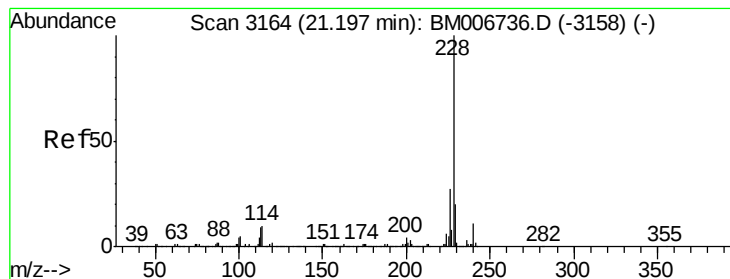


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 3.29 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM006806.D

Acq: 01 Aug 2016 01:56

Instrument :

BNA_M

ClientSampleId :

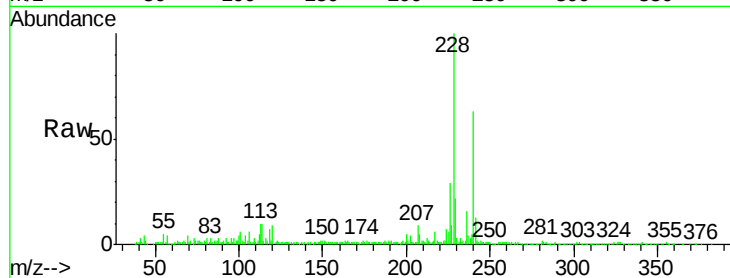
Tot Ion:228 Resp: 267611

Ion Ratio Lower Upper

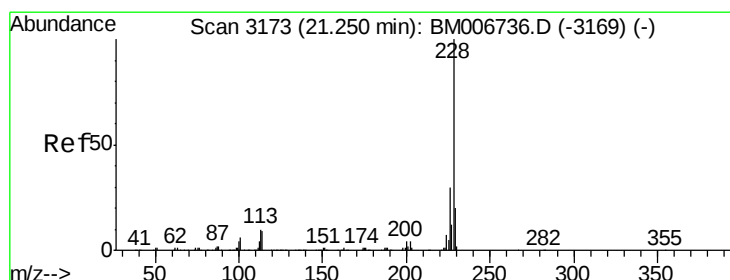
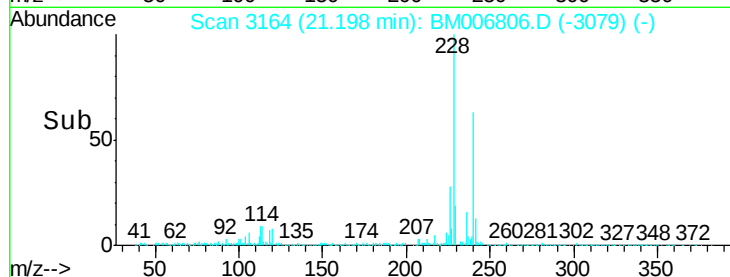
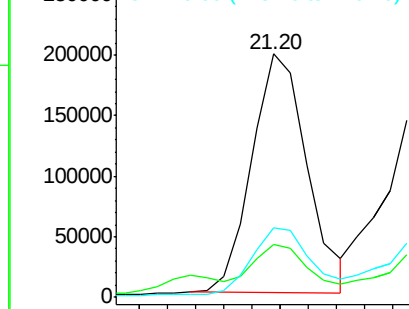
228 100

229 21.6 16.6 25.0

226 28.6 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: 3.57 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. -0.05 min

Lab File: BM006806.D

Acq: 01 Aug 2016 01:56

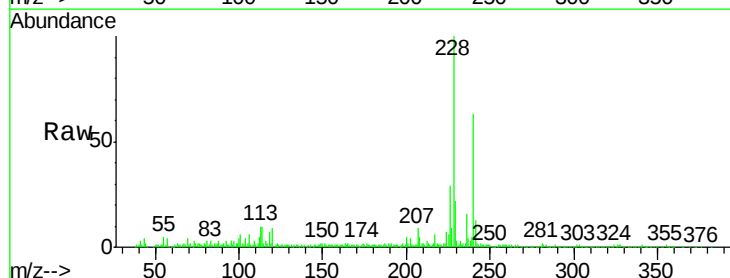
Tgt Ion:228 Resp: 267611

Ion Ratio Lower Upper

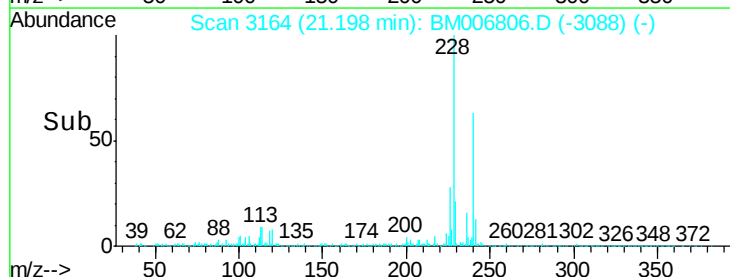
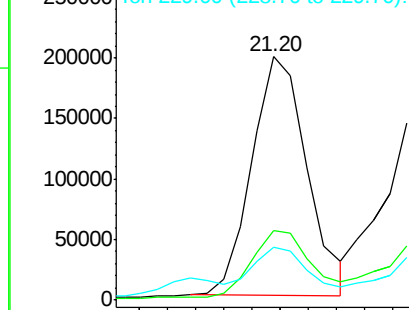
228 100

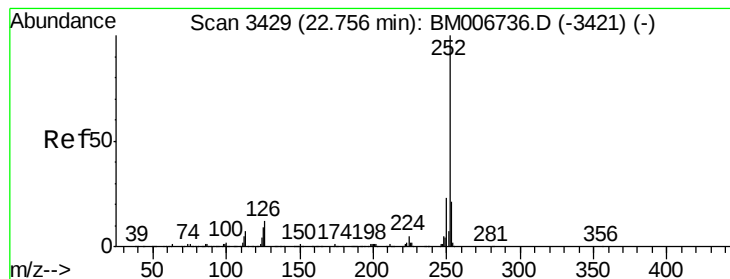
226 28.6 23.4 35.2

229 21.6 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: 4.77 ng/ul

RT: 22.76 min Scan# 3430

Delta R.T. 0.01 min

Lab File: BM006806.D

Acq: 01 Aug 2016 01:56

Instrument :

BNA_M

ClientSampled :

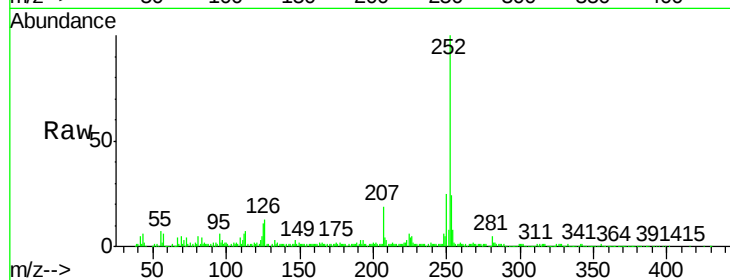
Tot Ion:252 Resp: 407895

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

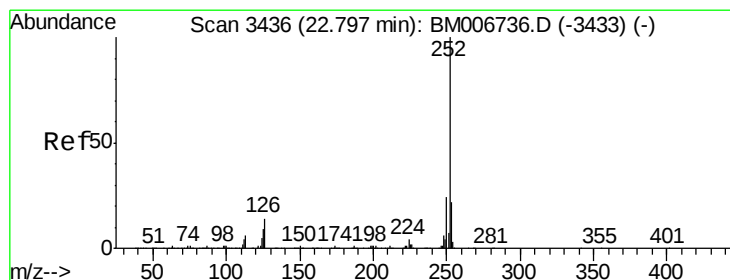
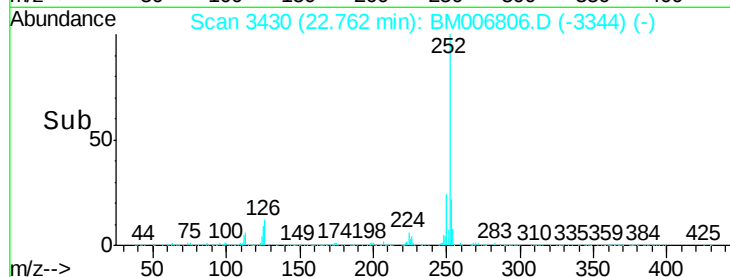
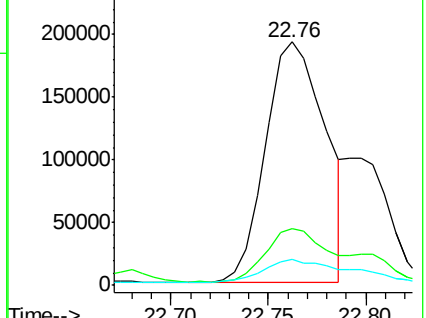
125 10.5 7.6 11.4



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: 4.93 ng/ul

RT: 22.76 min Scan# 3430

Delta R.T. -0.04 min

Lab File: BM006806.D

Acq: 01 Aug 2016 01:56

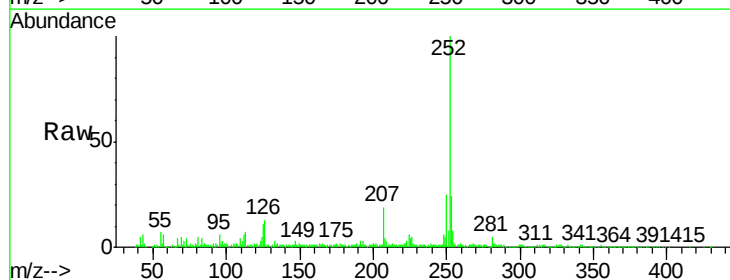
Tgt Ion:252 Resp: 407895

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

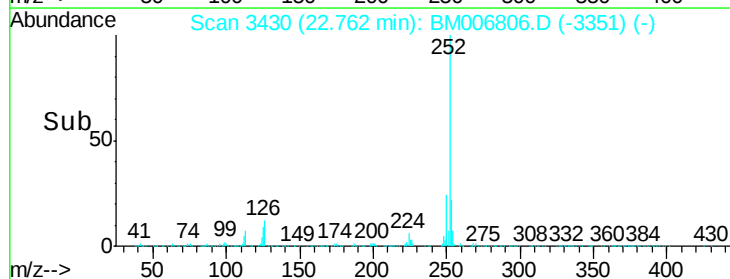
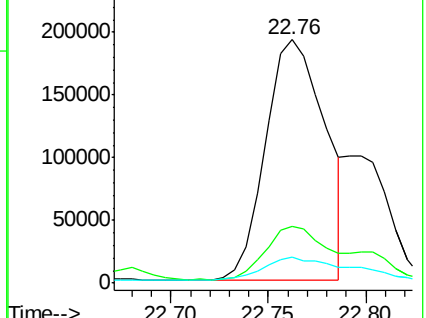
125 10.5 7.7 11.5

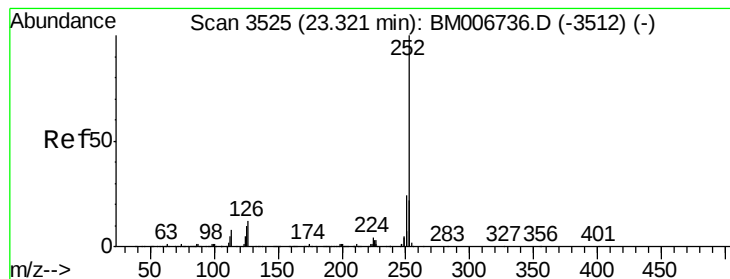


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 3.41 ng/ul

RT: 23.32 min Scan# 3525

Delta R.T. 0.00 min

Lab File: BM006806.D

Acq: 01 Aug 2016 01:56

Instrument :

BNA_M

ClientSampleId :

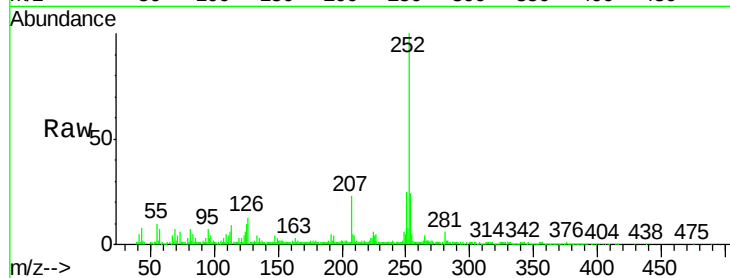
Tot Ion:252 Resp: 284137

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.0

125 10.5 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

200000

150000

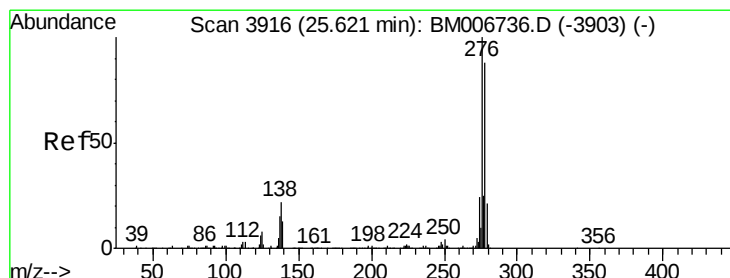
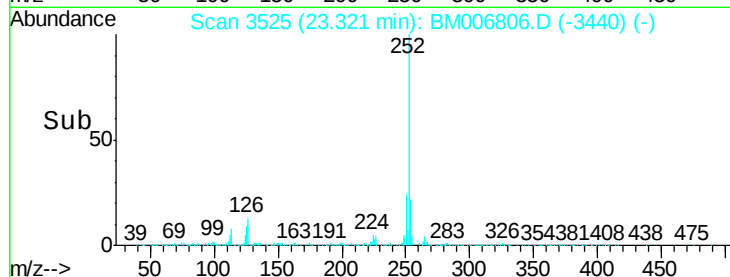
100000

50000

0

23.25 23.30 23.35 23.40

Time-->



#39

Indeno(1,2,3-cd)pyrene

Concen: 2.38 ng/ul

RT: 25.63 min Scan# 3917

Delta R.T. 0.01 min

Lab File: BM006806.D

Acq: 01 Aug 2016 01:56

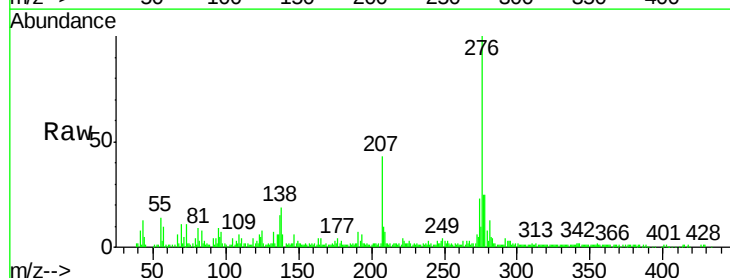
Tgt Ion:276 Resp: 229621

Ion Ratio Lower Upper

276 100

138 19.0 15.8 23.6

277 25.4 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

120000

100000

80000

60000

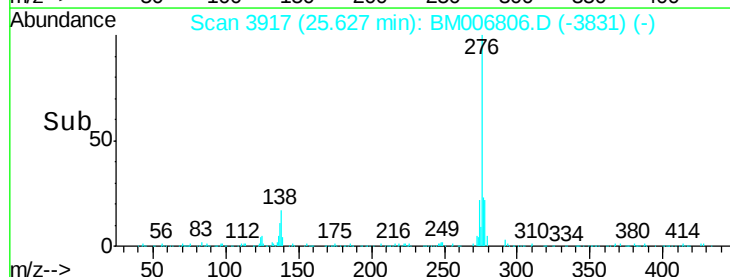
40000

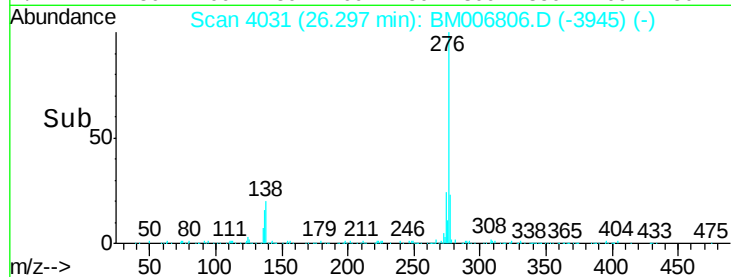
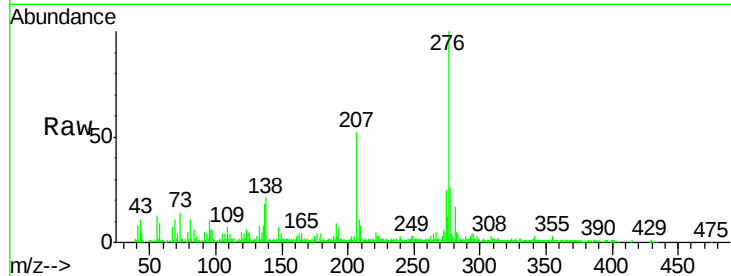
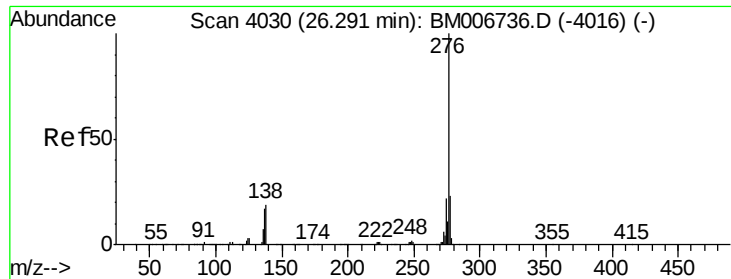
20000

0

25.50 25.60 25.70

Time-->





#41

Benzo(a,h,i)perylene

Concen: 2.76 ng/ul

RT: 26.30 min Scan# 4031

Delta R.T. 0.01 min

Lab File: BM006806.D

Acq: 01 Aug 2016 01:56

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 228007

Ion Ratio Lower Upper

276 100

138 21.1 13.9 20.9#

277 25.7 19.8 29.6

