

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072116\
 Data File : BM006606.D
 Acq On : 22 Jul 2016 03:05
 Operator : UM/SJ
 Sample : H4078-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YR8

Quant Time: Jul 22 03:47:05 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 22 01:56:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	171907	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	719232	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	389853	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	872102	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	1002189	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1045555	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	7258	1.71	ng/uL	0.00
3) Phenol-d5	6.79	99	260287	17.80	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	176586	19.49	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	218884	18.73	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	157146	13.85	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	106223	19.51	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	113368	19.58	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	199341	18.22	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	219638	18.23	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	599961	19.63	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	774754	19.86	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	59141	11.14	ng/ul	0.01
21) Fluorene-d10	15.26	176	535861	19.60	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	44438	9.82	ng/ul	0.00
26) Anthracene-d10	17.12	188	817326	19.74	ng/ul	0.00
30) Pyrene-d10	19.42	212	933400	20.44	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	964911	20.06	ng/ul	0.00

Target Compounds

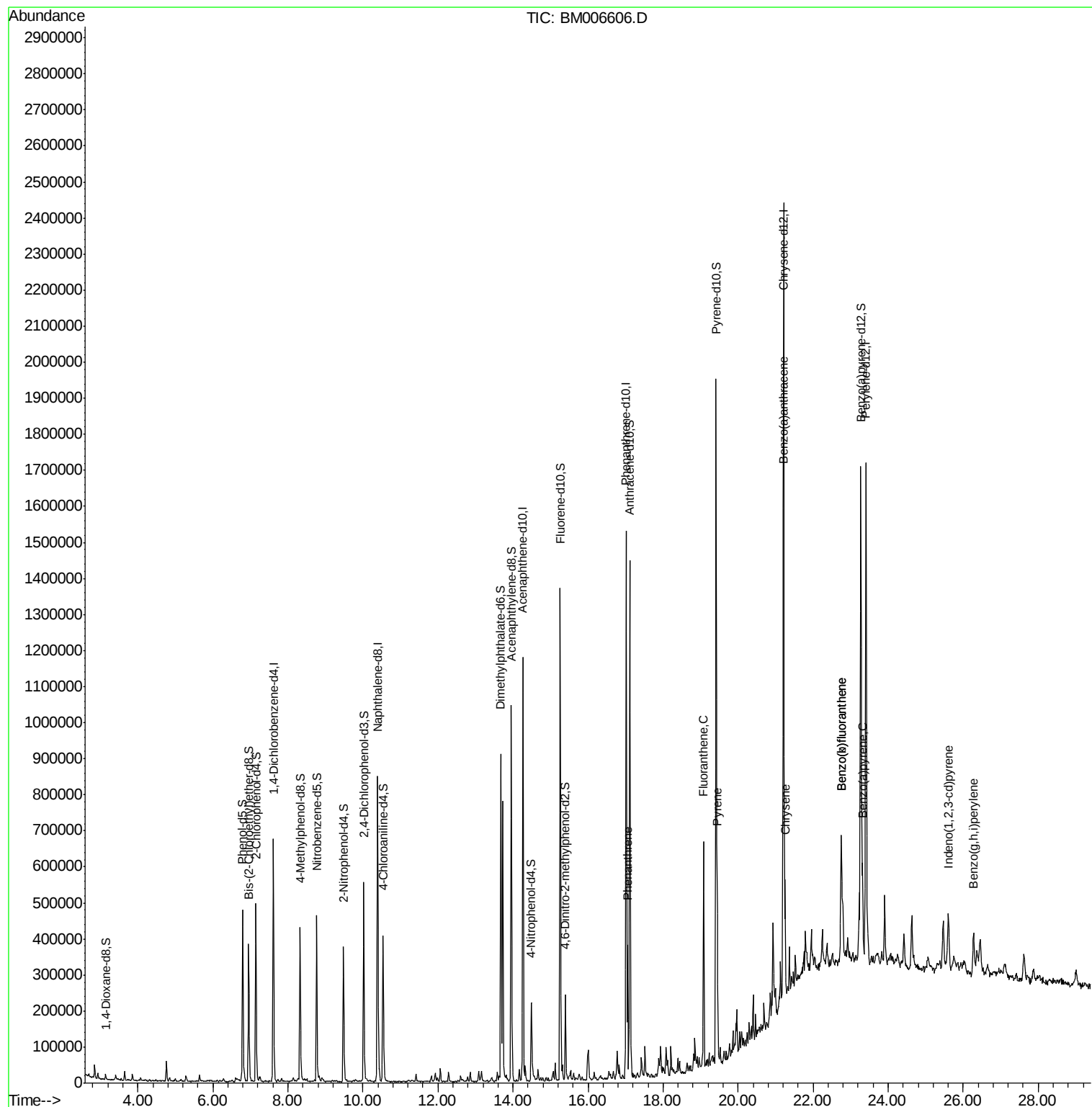
						Qvalue
25) Phenanthrene	17.06	178	214145	4.37	ng/ul	99
28) Fluoranthene	19.08	202	365766	6.35	ng/ul	98
31) Pyrene	19.44	202	302922	4.99	ng/ul	97
32) Benzo(a)anthracene	21.20	228	184747	3.04	ng/ul	97
33) Chrysene	21.25	228	187993	3.36	ng/ul	98
35) Benzo(b)fluoranthene	22.75	252	290725	4.64	ng/ul	97
36) Benzo(k)fluoranthene	22.75	252	290725	4.80	ng/ul	97
38) Benzo(a)pyrene	23.31	252	181115	2.97	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.61	276	140343	1.99	ng/ul	96
41) Benzo(g,h,i)perylene	26.28	276	137895	2.28	ng/ul#	96

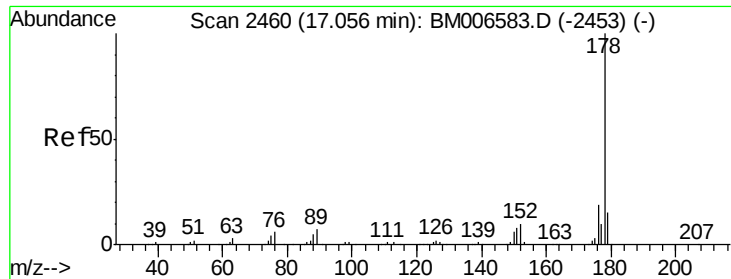
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 4.37 ng/u1

RT: 17.06 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM006606.D

Acq: 22 Jul 2016 03:05

Instrument :

BNA_M

ClientSampleId :

D9YR8

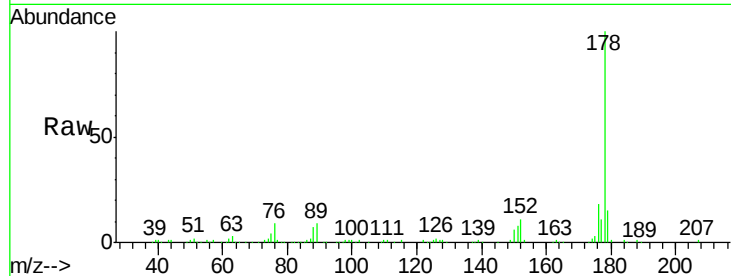
Tgt Ion:178 Resp: 214145

Ion Ratio Lower Upper

178 100

179 14.6 11.8 17.8

176 17.9 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

200000

150000

100000

50000

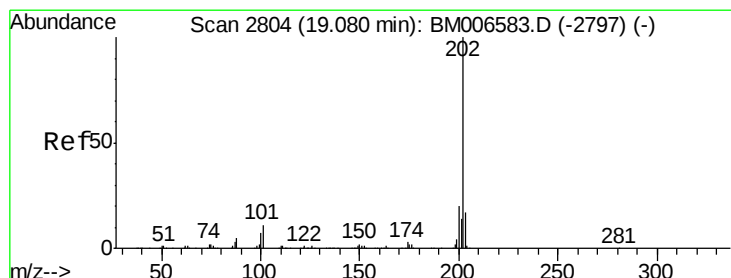
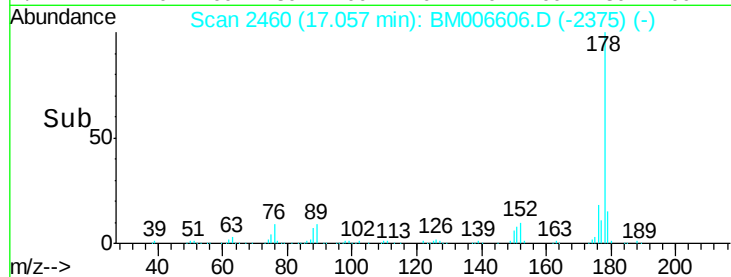
0

17.06

17.05

17.10

Time-->



#28

Fluoranthene

Concen: 6.35 ng/u1

RT: 19.08 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BM006606.D

Acq: 22 Jul 2016 03:05

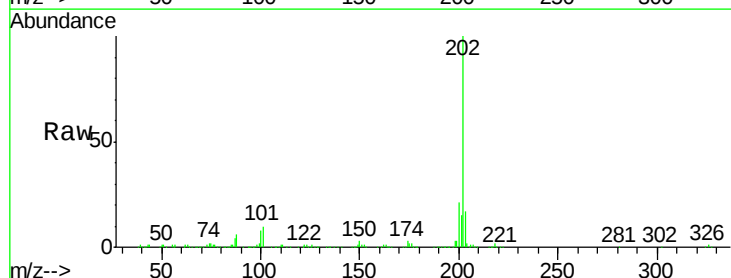
Tgt Ion:202 Resp: 365766

Ion Ratio Lower Upper

202 100

101 10.3 8.9 13.3

100 8.0 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

300000

200000

100000

0

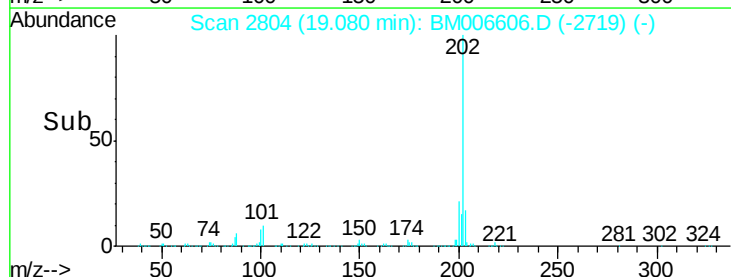
19.08

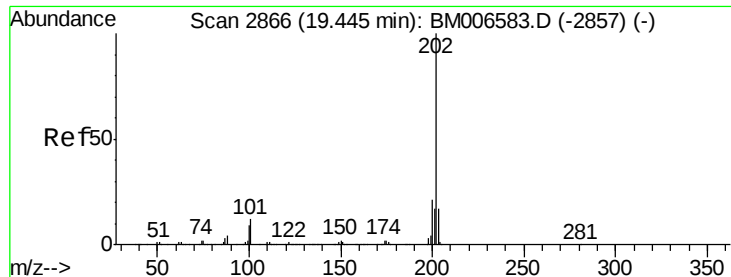
19.05

19.10

19.15

Time-->





#31

Pyrene

Concen: 4.99 ng/ul

RT: 19.44 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BM006606.D

Acq: 22 Jul 2016 03:05

Instrument :

BNA_M

ClientSampleId :

D9YR8

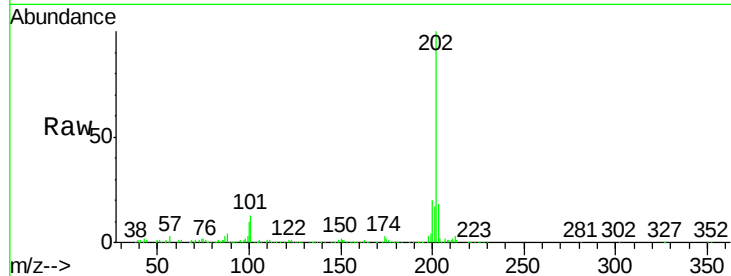
Tgt Ion:202 Resp: 302922

Ion Ratio Lower Upper

202 100

101 12.9 9.8 14.8

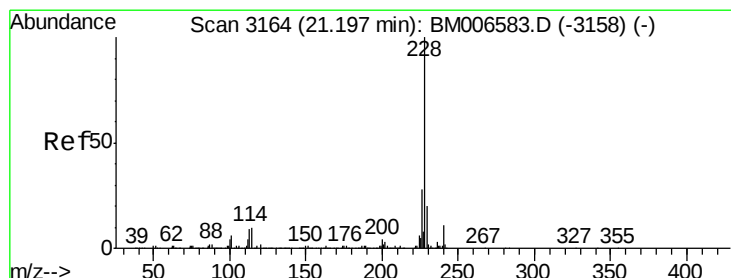
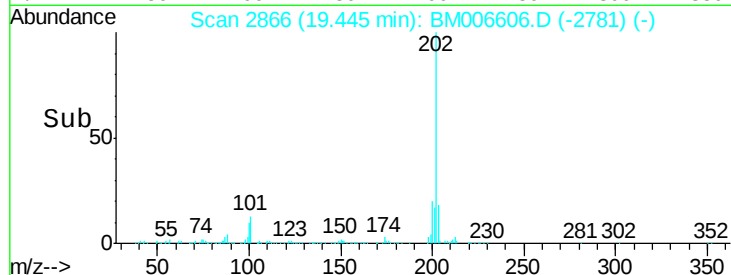
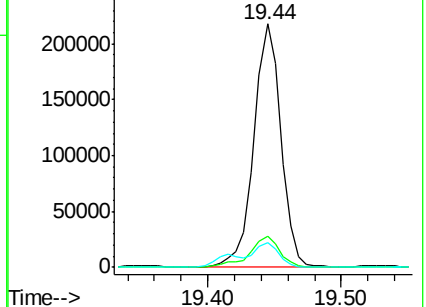
100 10.1 9.3 13.9



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: 3.04 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM006606.D

Acq: 22 Jul 2016 03:05

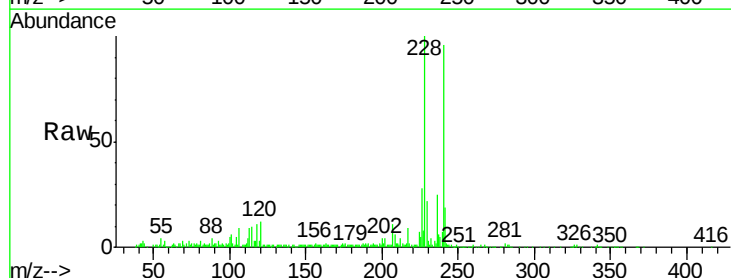
Tgt Ion:228 Resp: 184747

Ion Ratio Lower Upper

228 100

229 21.6 16.6 25.0

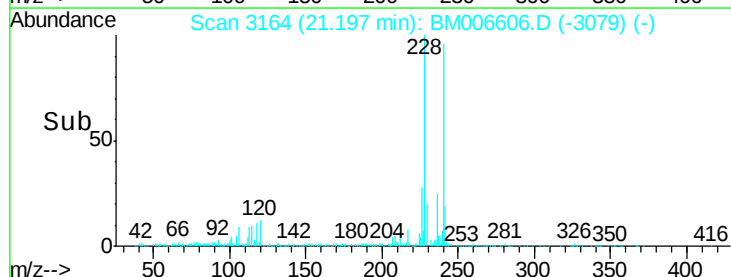
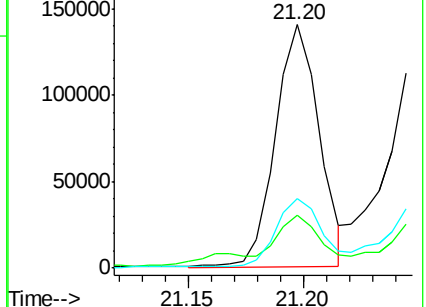
226 28.4 21.0 31.4

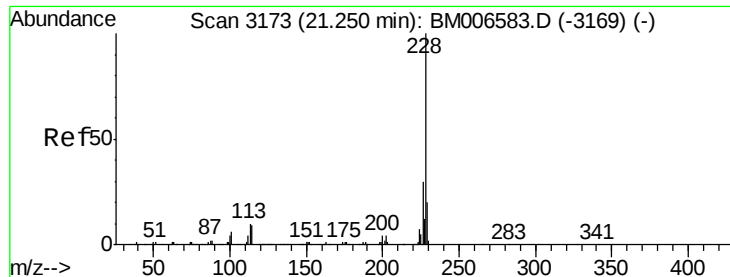


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 3.36 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BM006606.D

Acq: 22 Jul 2016 03:05

Instrument :

BNA_M

ClientSampleId :

D9YR8

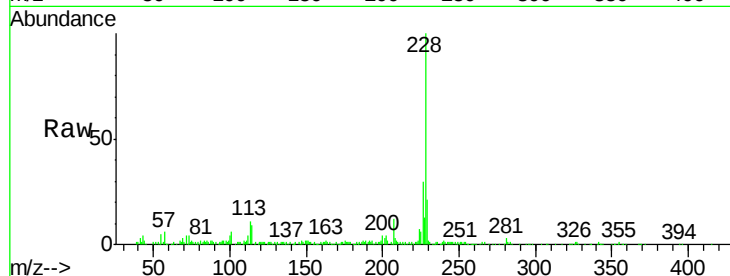
Tgt Ion:228 Resp: 187993

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.2

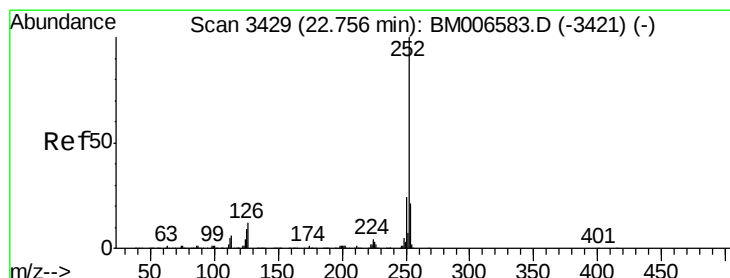
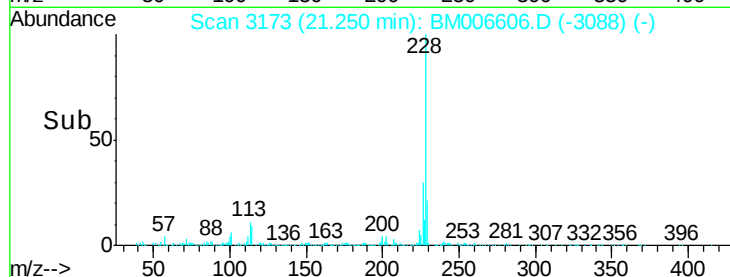
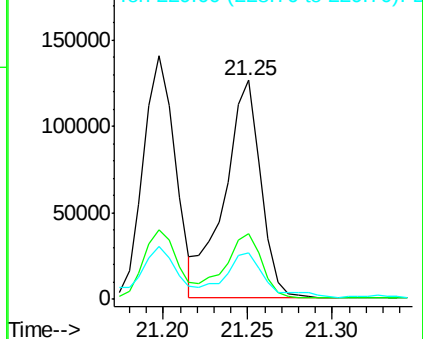
229 21.3 16.2 24.2



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: 4.64 ng/ul

RT: 22.75 min Scan# 3428

Delta R.T. -0.01 min

Lab File: BM006606.D

Acq: 22 Jul 2016 03:05

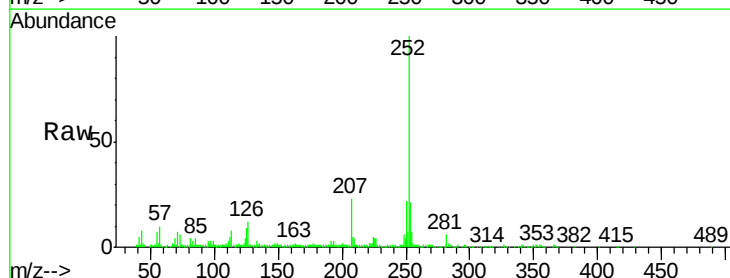
Tgt Ion:252 Resp: 290725

Ion Ratio Lower Upper

252 100

253 20.6 18.1 27.1

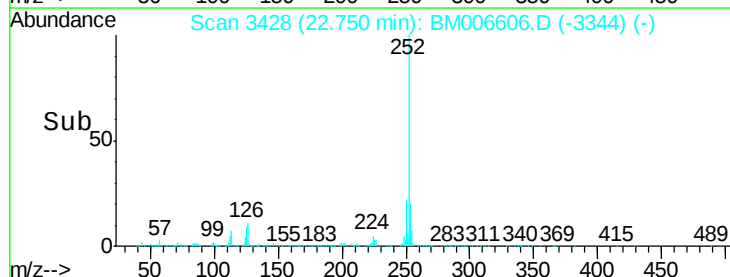
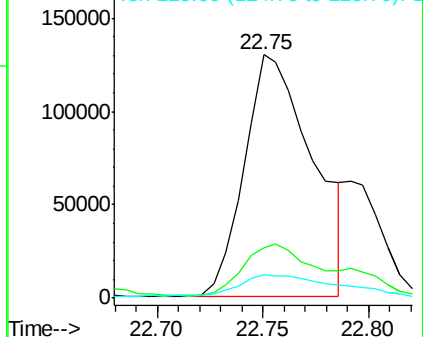
125 9.5 7.6 11.4

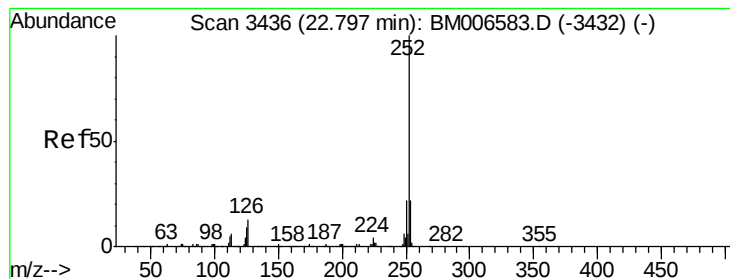


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 4.80 ng/ul

RT: 22.75 min Scan# 3428

Delta R.T. -0.05 min

Lab File: BM006606.D

Acq: 22 Jul 2016 03:05

Instrument :

BNA_M

ClientSampleId :

D9YR8

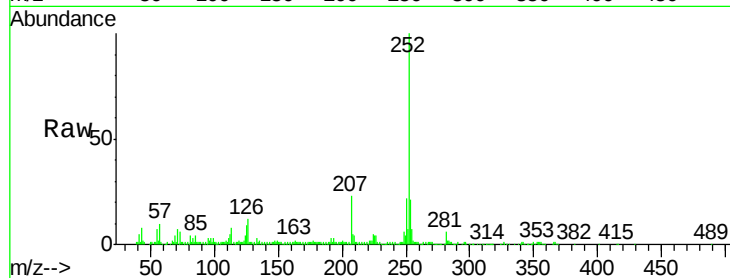
Tgt Ion:252 Resp: 290725

Ion Ratio Lower Upper

252 100

253 20.6 17.8 26.8

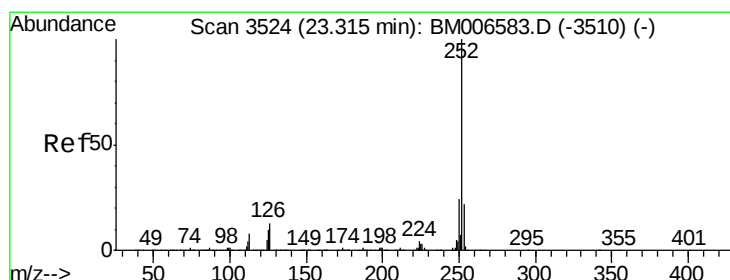
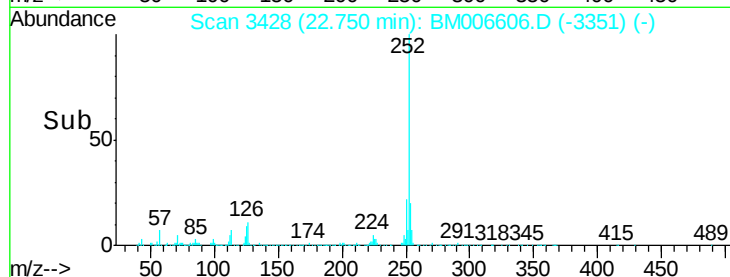
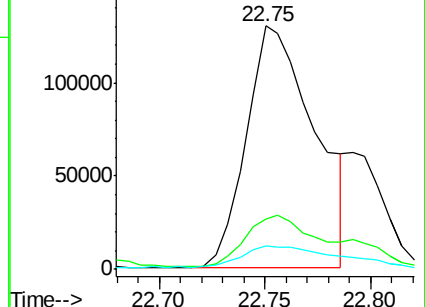
125 9.5 7.7 11.5



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: 2.97 ng/ul

RT: 23.31 min Scan# 3524

Delta R.T. 0.00 min

Lab File: BM006606.D

Acq: 22 Jul 2016 03:05

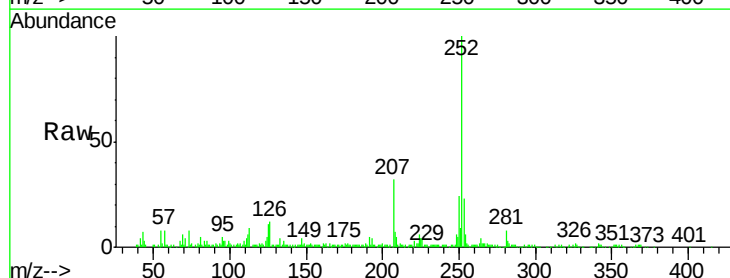
Tgt Ion:252 Resp: 181115

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

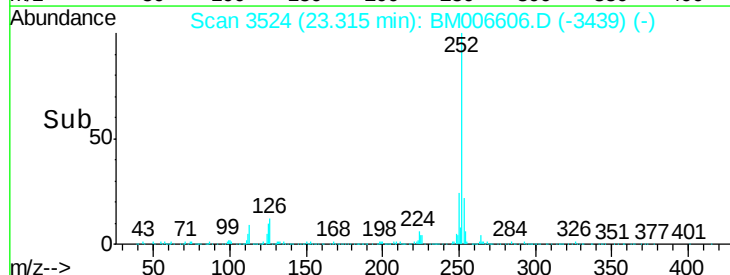
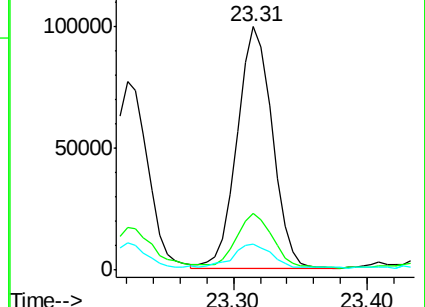
125 10.8 8.2 12.2

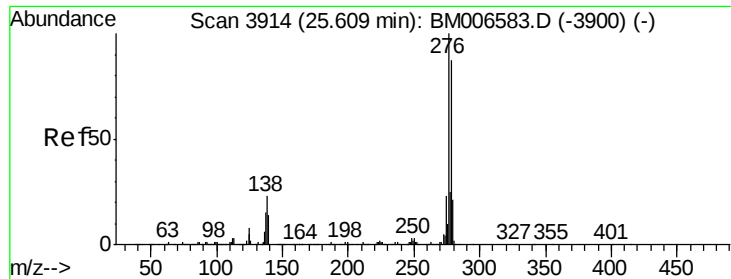


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.99 ng/ul

RT: 25.61 min Scan# 3914

Delta R.T. 0.00 min

Lab File: BM006606.D

Acq: 22 Jul 2016 03:05

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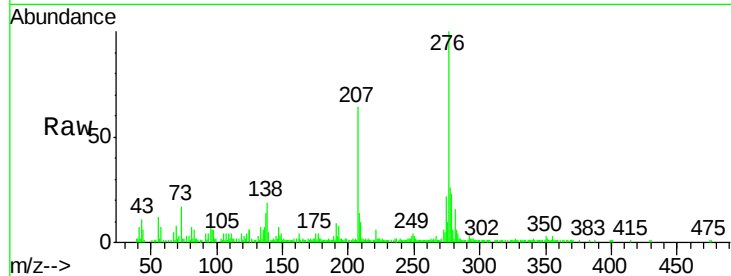
Tgt Ion:276 Resp: 140343

Ion Ratio Lower Upper

276 100

138 18.9 15.8 23.6

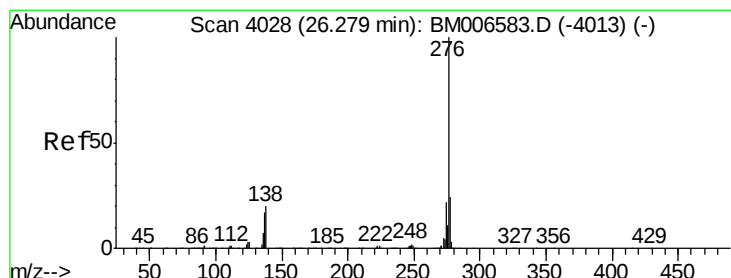
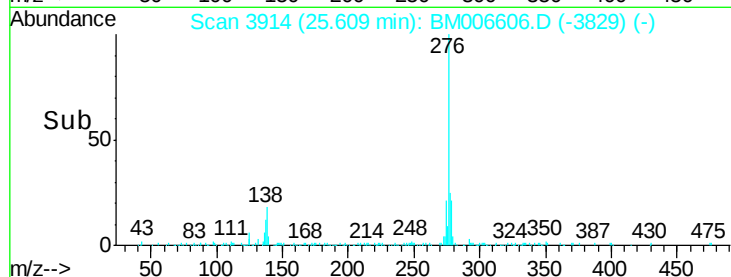
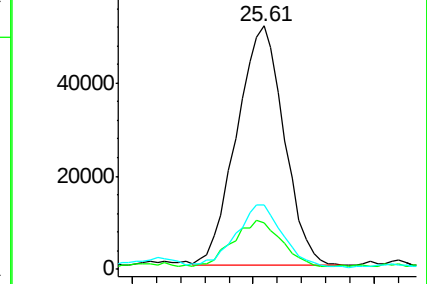
277 26.4 19.0 28.6



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



#41

Benzo(g,h,i)perylene

Concen: 2.28 ng/ul

RT: 26.28 min Scan# 4028

Delta R.T. 0.00 min

Lab File: BM006606.D

Acq: 22 Jul 2016 03:05

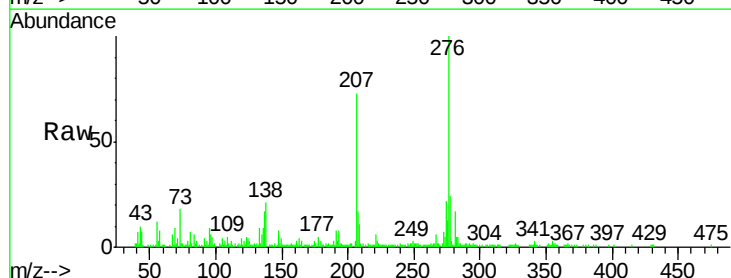
Tgt Ion:276 Resp: 137895

Ion Ratio Lower Upper

276 100

138 20.9 13.9 20.9#

277 23.9 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

