

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072116\
 Data File : BM006611.D
 Acq On : 22 Jul 2016 06:08
 Operator : UM/SJ
 Sample : H4077-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YQ8

Quant Time: Jul 22 07:19:55 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	217797	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	930540	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	512100	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	1118380	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	1197731	20.00	ng/ul	0.00
34) Perylene-d12	23.42	264	1258223	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	5232	0.97	ng/uL	0.00
3) Phenol-d5	6.79	99	177839	9.60	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	142371	12.40	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	159032	10.74	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	91012	6.33	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	88225	12.53	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	92826	12.39	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	148680	10.50	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	127469	8.18	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	510369	12.71	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	665073	12.98	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	19880	2.85	ng/ul	0.02
21) Fluorene-d10	15.26	176	468653	13.05	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	22166	3.82	ng/ul	0.01
26) Anthracene-d10	17.12	188	706490	13.30	ng/ul	0.00
30) Pyrene-d10	19.42	212	795133	14.57	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.28	264	784774	13.56	ng/ul	0.01

Target Compounds

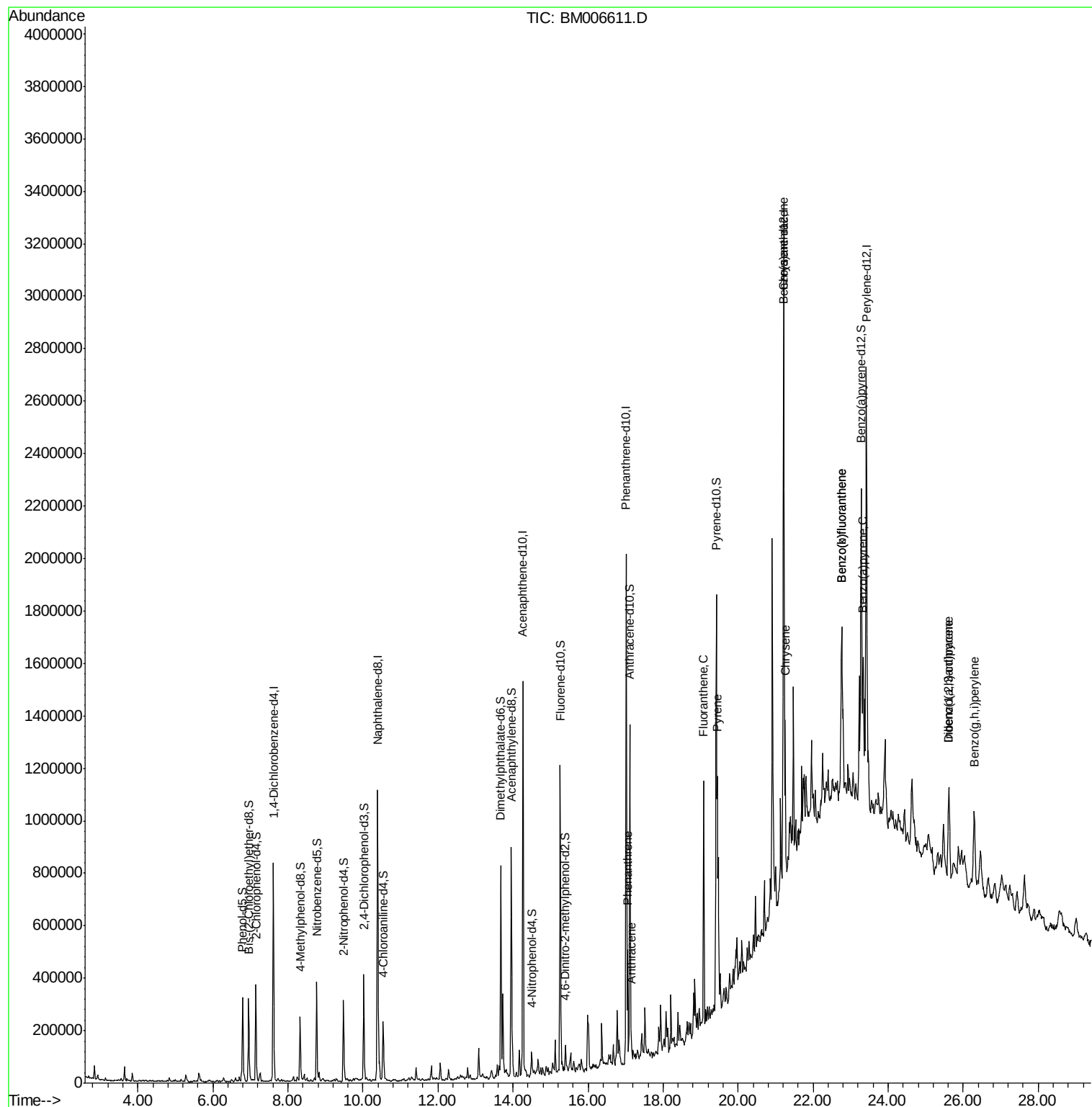
						Qvalue
25) Phenanthrene	17.06	178	250882	3.99	ng/ul	98
27) Anthracene	17.15	178	68662	1.06	ng/ul	98
28) Fluoranthene	19.08	202	548165	7.42	ng/ul	98
31) Pyrene	19.44	202	503290	6.94	ng/ul	97
32) Benzo(a)anthracene	21.20	228	324182	4.47	ng/ul	96
33) Chrysene	21.25	228	353732	5.29	ng/ul	96
35) Benzo(b)fluoranthene	22.76	252	545867	7.24	ng/ul	97
36) Benzo(k)fluoranthene	22.76	252	545867	7.48	ng/ul	96
38) Benzo(a)pyrene	23.33	252	373218	5.08	ng/ul	96
39) Indeno(1,2,3-cd)pyrene	25.62	276	319718	3.76	ng/ul	98
40) Dibenzo(a,h)anthracene	25.62	278	143219	2.03	ng/ul#	90
41) Benzo(g,h,i)perylene	26.30	276	352018	4.83	ng/ul	98

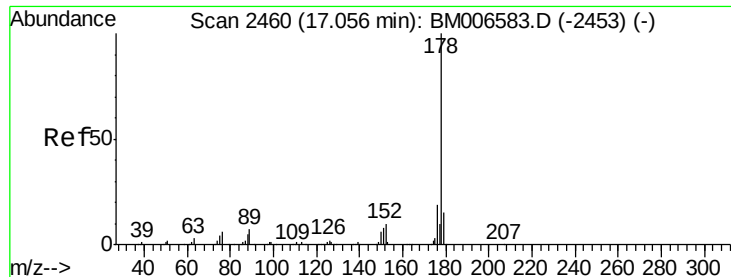
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 3.99 ng/ul

RT: 17.06 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM006611.D

Acq: 22 Jul 2016 06:08

Instrument :

BNA_M

ClientSampleId :

D9YQ8

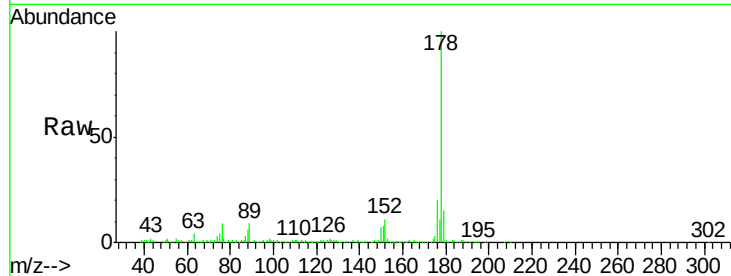
Tgt Ion:178 Resp: 250882

Ion Ratio Lower Upper

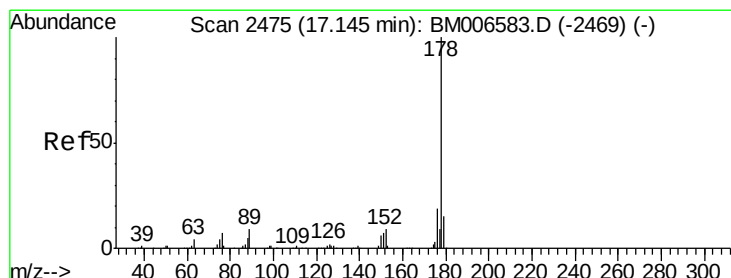
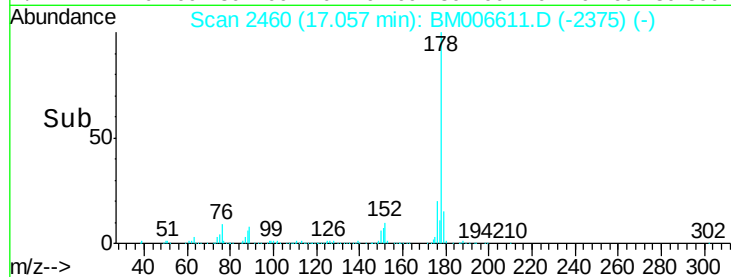
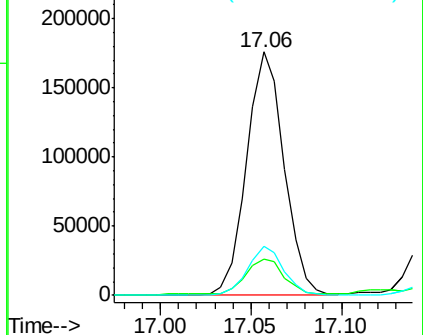
178 100

179 15.0 11.8 17.8

176 20.0 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: 1.06 ng/ul

RT: 17.15 min Scan# 2476

Delta R.T. 0.01 min

Lab File: BM006611.D

Acq: 22 Jul 2016 06:08

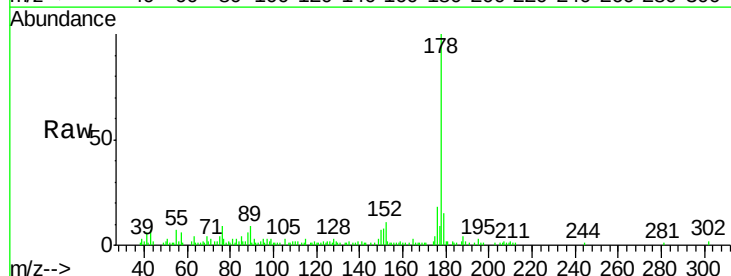
Tgt Ion:178 Resp: 68662

Ion Ratio Lower Upper

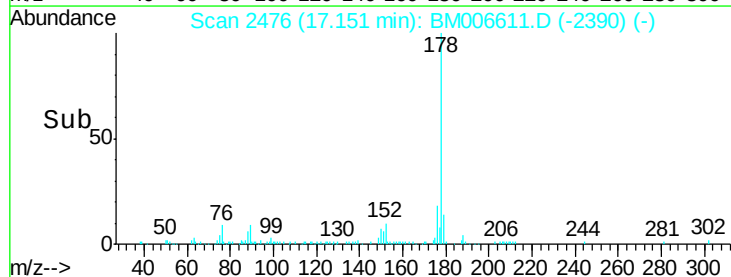
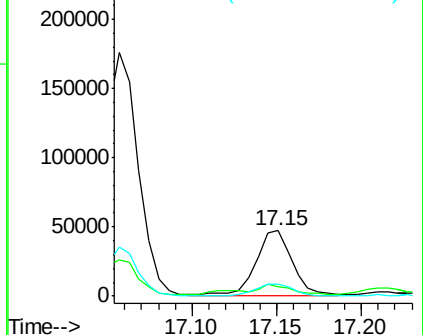
178 100

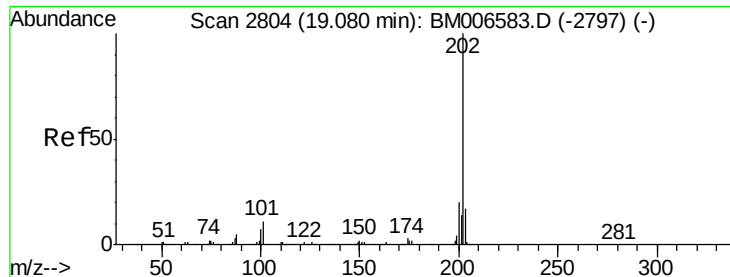
179 15.2 12.9 19.3

176 18.4 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: 7.42 ng/ul

RT: 19.08 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BM006611.D

Acq: 22 Jul 2016 06:08

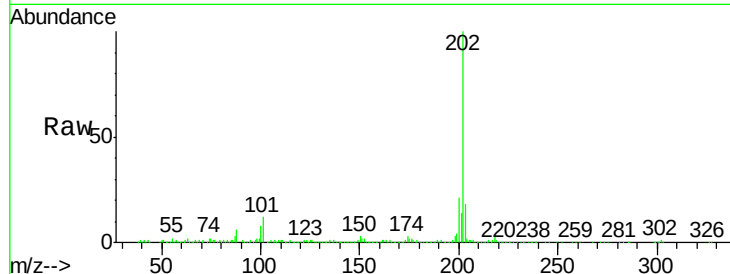
Instrument :

BNA_M

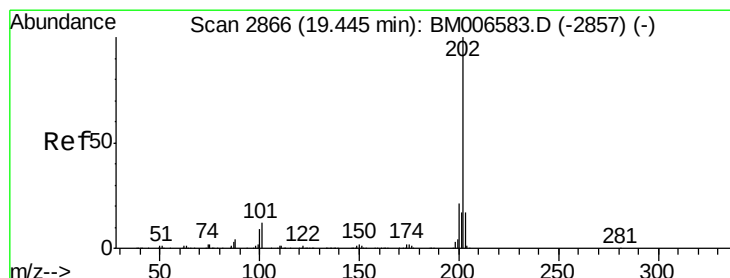
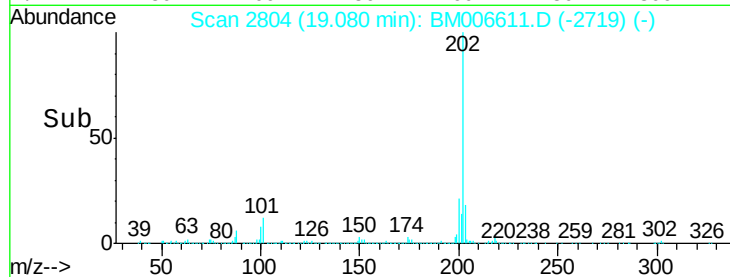
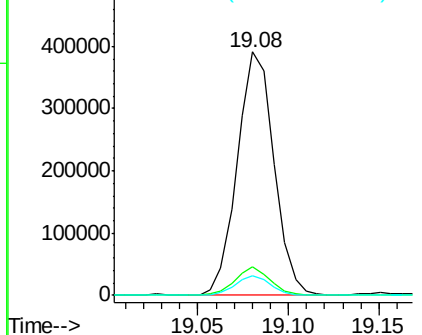
ClientSampleId :

D9YQ8

Tgt Ion:	202	Resp:	548165
Ion Ratio	Lower	Upper	
202	100		
101	11.6	8.9	13.3
100	8.1	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: 6.94 ng/ul

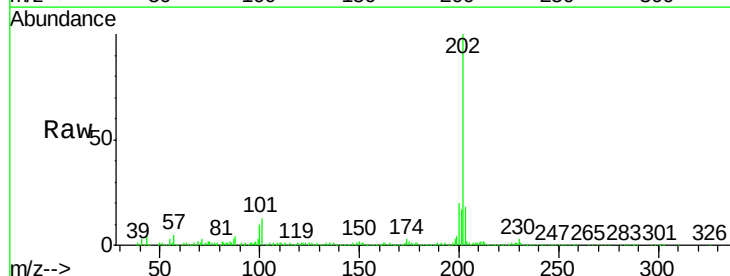
RT: 19.44 min Scan# 2866

Delta R.T. 0.00 min

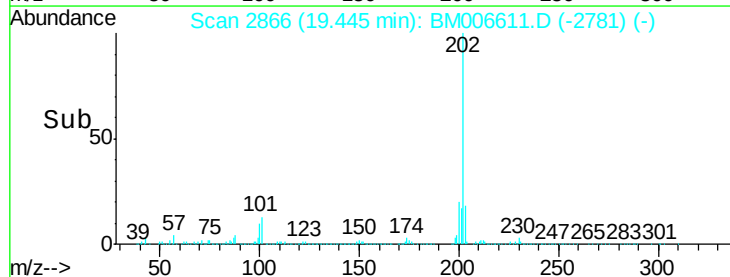
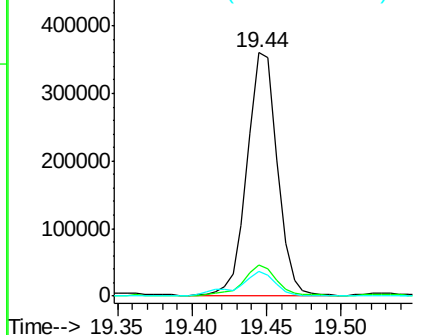
Lab File: BM006611.D

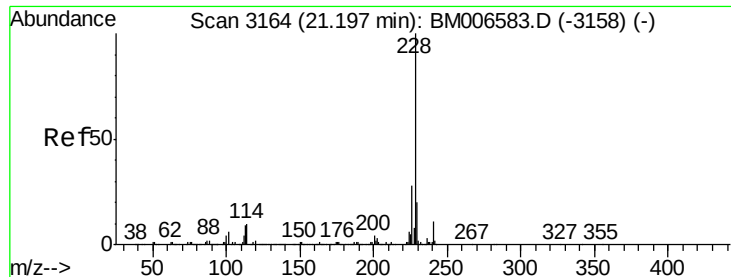
Acq: 22 Jul 2016 06:08

Tgt Ion:	202	Resp:	503290
Ion Ratio	Lower	Upper	
202	100		
101	13.0	9.8	14.8
100	10.0	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: 4.47 ng/ul

RT: 21.20 min Scan# 3165

Delta R.T. 0.01 min

Lab File: BM006611.D

Acq: 22 Jul 2016 06:08

Instrument :

BNA_M

ClientSampleId :

D9YQ8

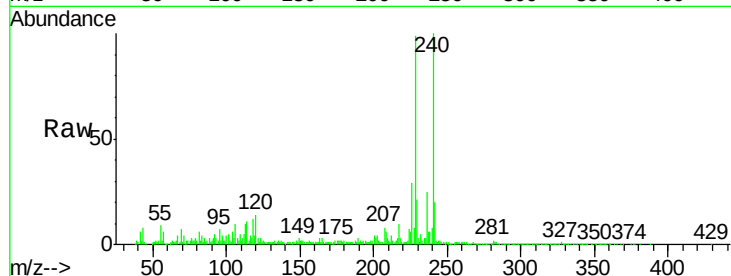
Tgt Ion:228 Resp: 324182

Ion Ratio Lower Upper

228 100

229 21.4 16.6 25.0

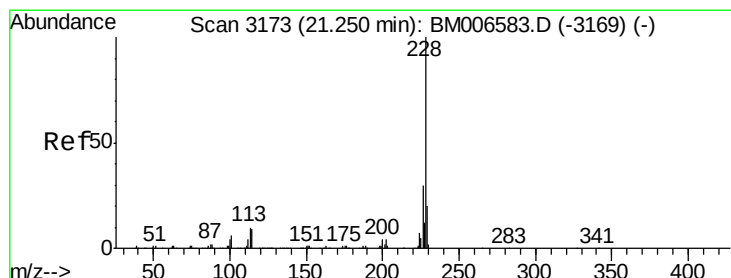
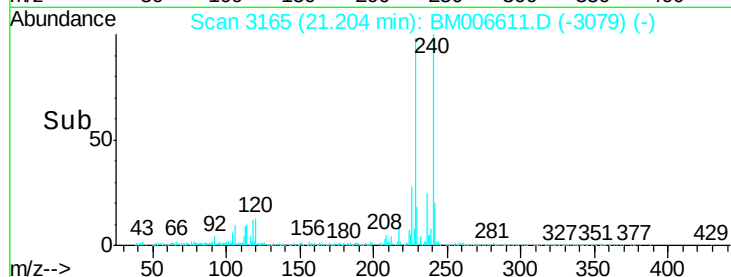
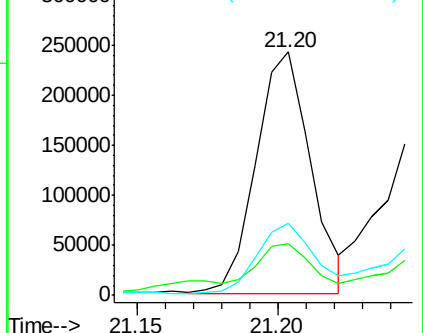
226 29.6 21.0 31.4



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: 5.29 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BM006611.D

Acq: 22 Jul 2016 06:08

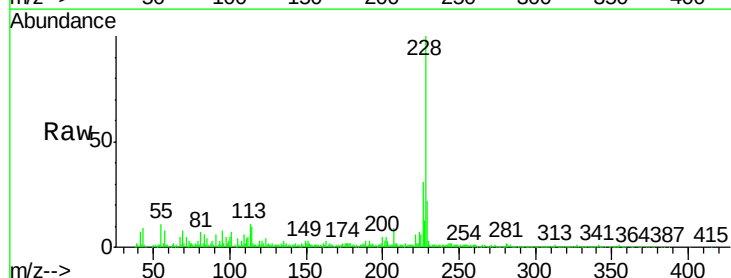
Tgt Ion:228 Resp: 353732

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.2

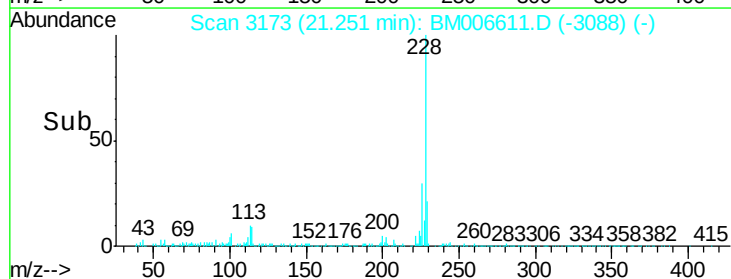
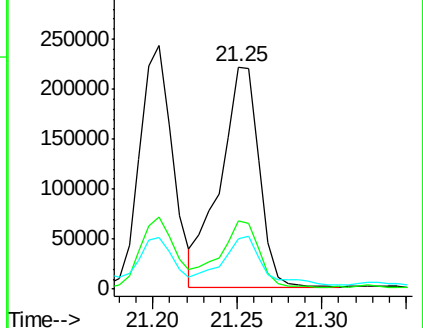
229 22.4 16.2 24.2

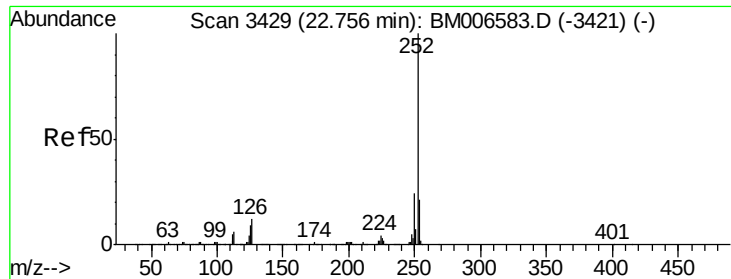


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 7.24 ng/ul

RT: 22.76 min Scan# 3430

Delta R.T. 0.01 min

Lab File: BM006611.D

Acq: 22 Jul 2016 06:08

Instrument :

BNA_M

ClientSampleId :

D9YQ8

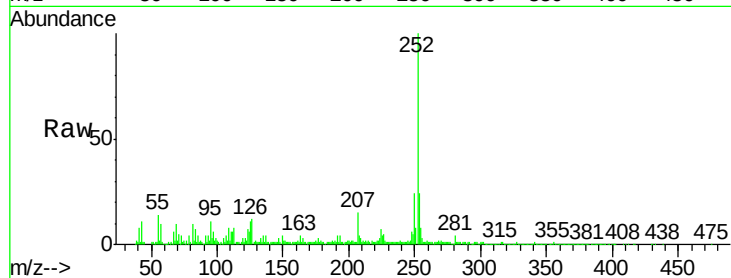
Tgt Ion:252 Resp: 545867

Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

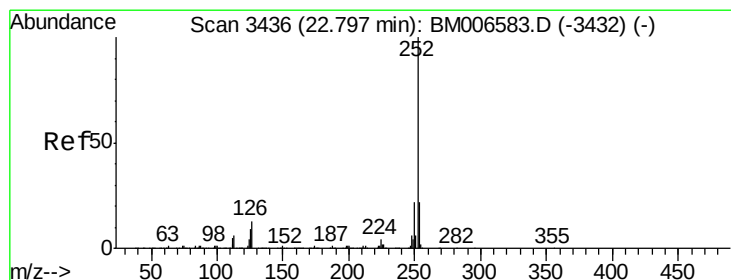
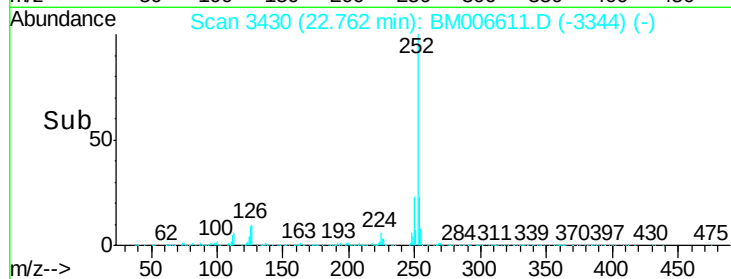
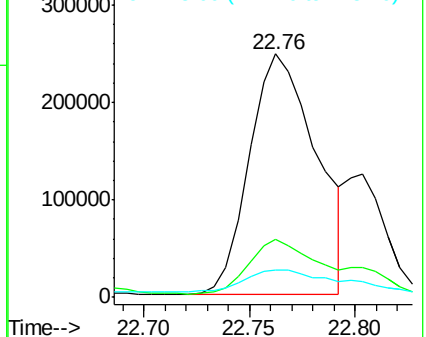
125 11.4 7.6 11.4



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: 7.48 ng/ul

RT: 22.76 min Scan# 3430

Delta R.T. -0.03 min

Lab File: BM006611.D

Acq: 22 Jul 2016 06:08

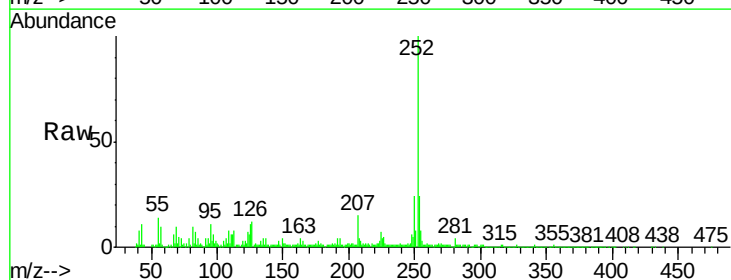
Tgt Ion:252 Resp: 545867

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

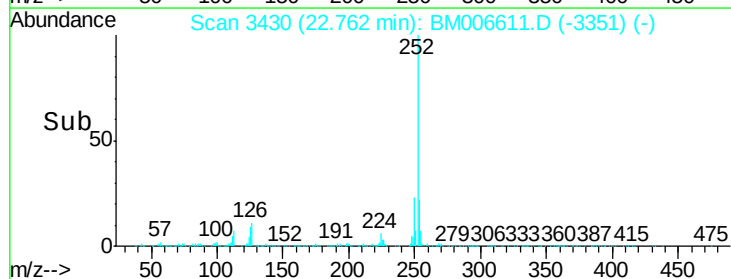
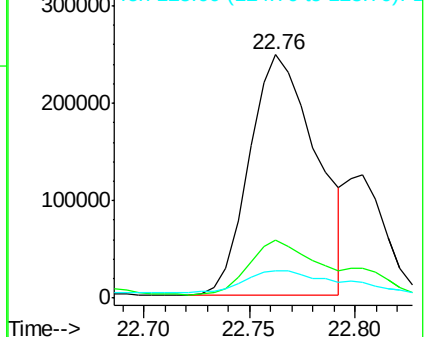
125 11.4 7.7 11.5

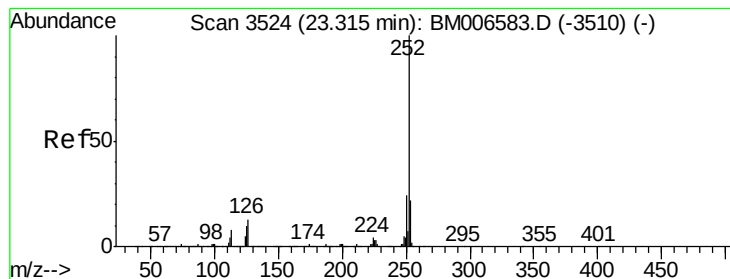


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 5.08 ng/ul

RT: 23.33 min Scan# 3526

Delta R.T. 0.01 min

Lab File: BM006611.D

Acq: 22 Jul 2016 06:08

Instrument :

BNA_M

ClientSampleId :

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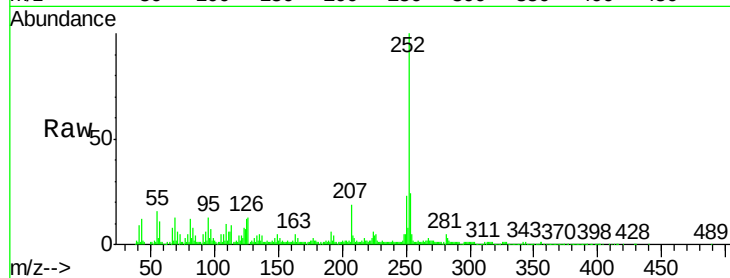
Tgt Ion:252 Resp: 373218

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

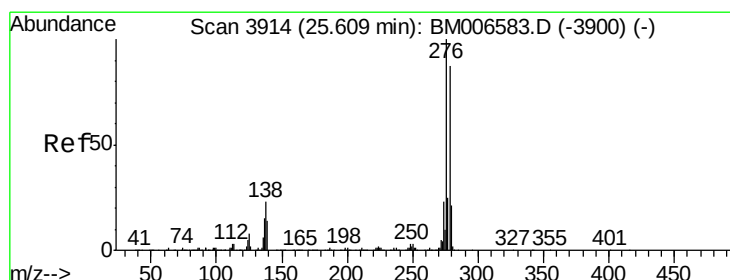
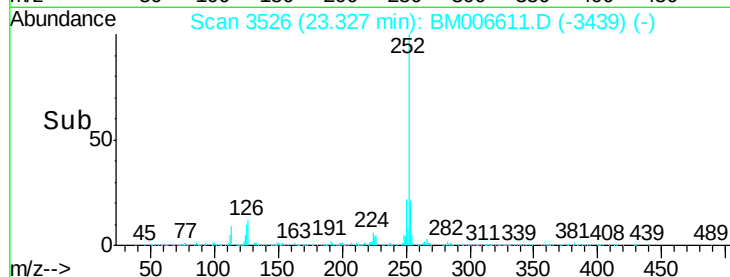
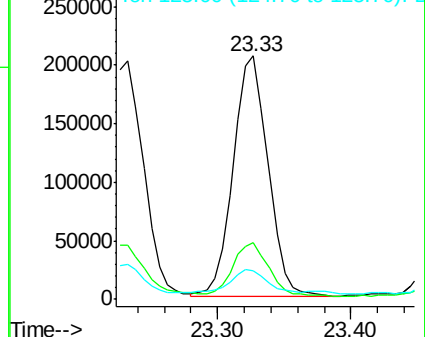
125 11.7 8.2 12.2



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: 3.76 ng/ul

RT: 25.62 min Scan# 3916

Delta R.T. 0.01 min

Lab File: BM006611.D

Acq: 22 Jul 2016 06:08

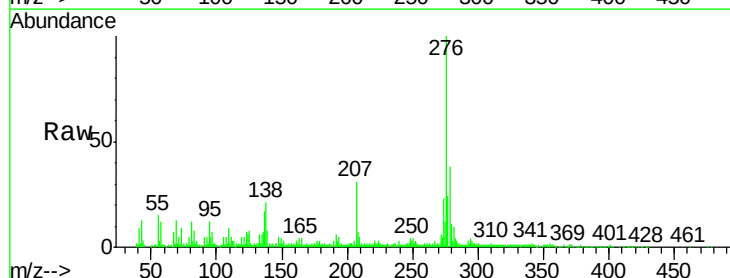
Tgt Ion:276 Resp: 319718

Ion Ratio Lower Upper

276 100

138 20.8 15.8 23.6

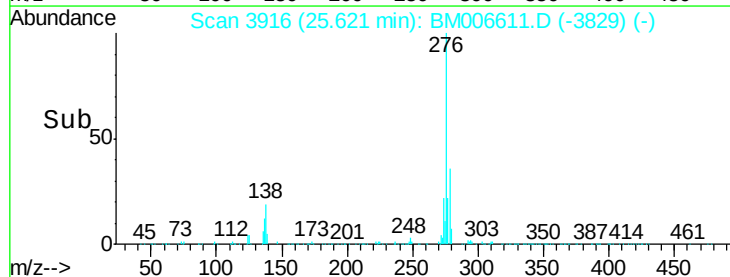
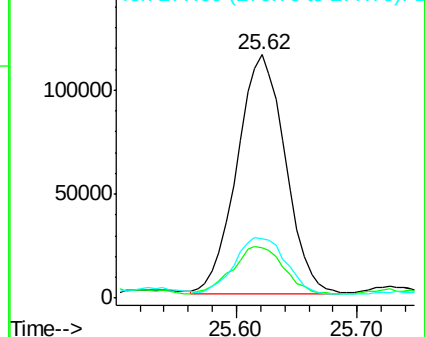
277 24.3 19.0 28.6

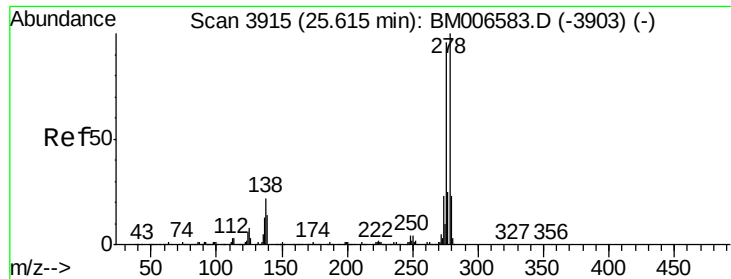


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 2.03 ng/ul

RT: 25.62 min Scan# 3916

Delta R.T. 0.01 min

Lab File: BM006611.D

Acq: 22 Jul 2016 06:08

Instrument :

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ClientSampleId :

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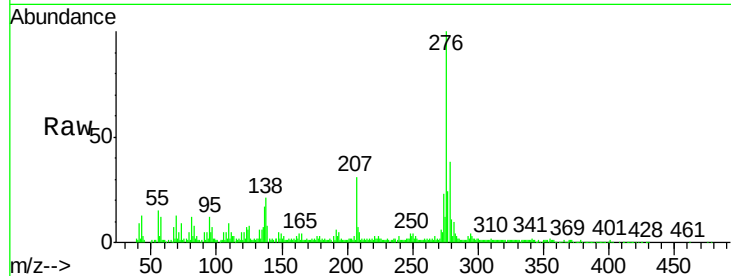
Tgt Ion:278 Resp: 143219

Ion Ratio Lower Upper

278 100

139 20.7 12.1 18.1#

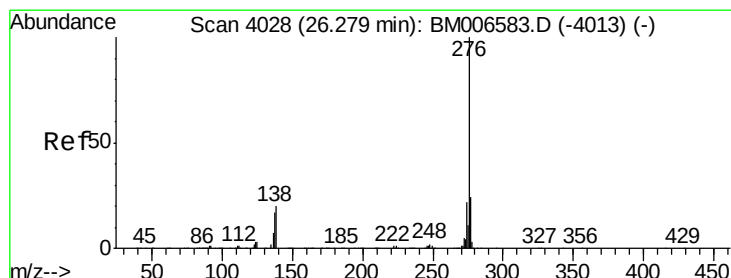
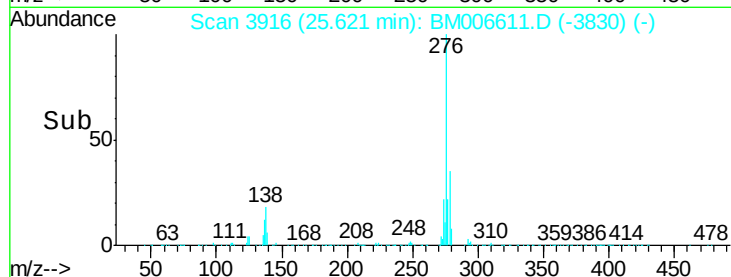
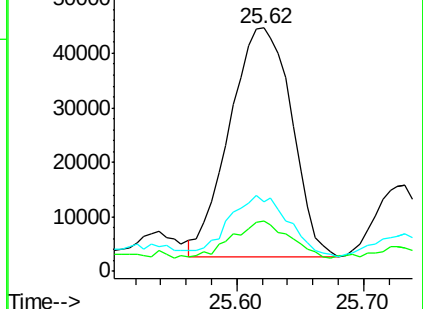
279 28.4 19.8 29.8



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: 4.83 ng/ul

RT: 26.30 min Scan# 4032

Delta R.T. 0.02 min

Lab File: BM006611.D

Acq: 22 Jul 2016 06:08

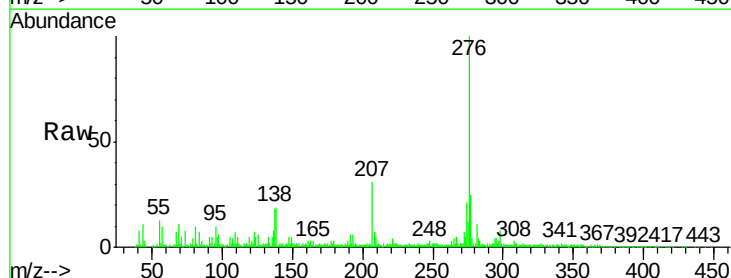
Tgt Ion:276 Resp: 352018

Ion Ratio Lower Upper

276 100

138 19.4 13.9 20.9

277 25.1 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

