

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006620.D
 Acq On : 22 Jul 2016 11:43
 Operator : UM/SJ
 Sample : H4076-08 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YP3

Quant Time: Jul 23 00:16:53 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	165143	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	707332	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	386365	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	860241	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	918329	20.00	ng/ul	0.00
34) Perylene-d12	23.42	264	947528	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	4944	1.21	ng/uL	0.00
3) Phenol-d5	6.80	99	208833	14.86	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	131523	15.11	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	165229	14.72	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	169653	15.57	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	79371	14.82	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	84662	14.87	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	155713	14.47	ng/ul	0.00
12) 4-Chloroaniline-d4	10.54	131	104589	8.83	ng/ul	0.00
16) Dimethylphthalate-d6	13.68	166	457827	15.11	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	603890	15.62	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	59695	11.35	ng/ul	0.00
21) Fluorene-d10	15.26	176	417742	15.42	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	39382	8.82	ng/ul	0.00
26) Anthracene-d10	17.12	188	634678	15.54	ng/ul	0.00
30) Pyrene-d10	19.42	212	703340	16.81	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.28	264	678139	15.56	ng/ul	0.00

Target Compounds

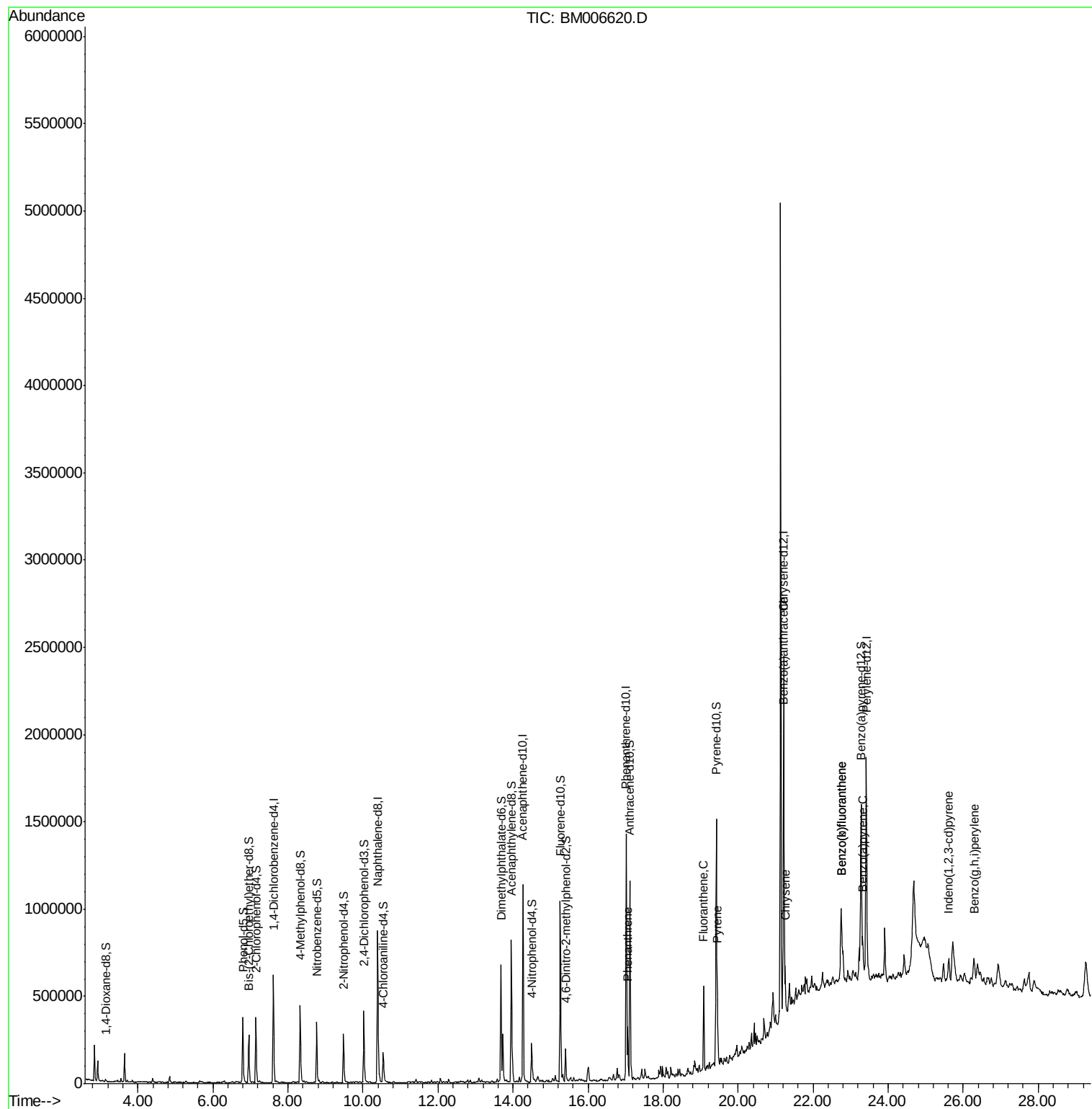
						Qvalue
25) Phenanthrene	17.06	178	184651	3.82	ng/ul	100
28) Fluoranthene	19.09	202	289220	5.09	ng/ul	98
31) Pyrene	19.44	202	240036	4.32	ng/ul	96
32) Benzo(a)anthracene	21.20	228	149140	2.68	ng/ul	95
33) Chrysene	21.25	228	163723	3.19	ng/ul	96
35) Benzo(b)fluoranthene	22.76	252	257419	4.53	ng/ul#	95
36) Benzo(k)fluoranthene	22.76	252	257419	4.69	ng/ul#	95
38) Benzo(a)pyrene	23.32	252	149968	2.71	ng/ul#	94
39) Indeno(1,2,3-cd)pyrene	25.61	276	129308	2.02	ng/ul	96
41) Benzo(g,h,i)perylene	26.30	276	125054	2.28	ng/ul	97

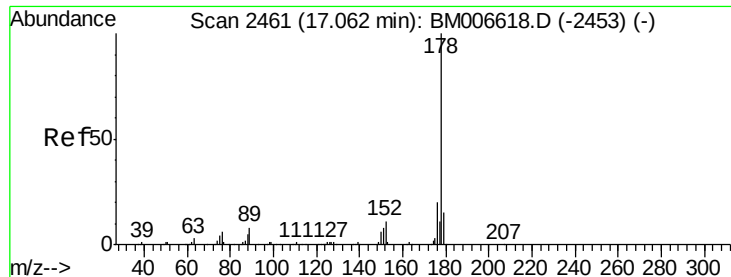
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 3.82 ng/ul

RT: 17.06 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BM006620.D

Acq: 22 Jul 2016 11:43

Instrument :

BNA_M

ClientSampleId :

D9YP3

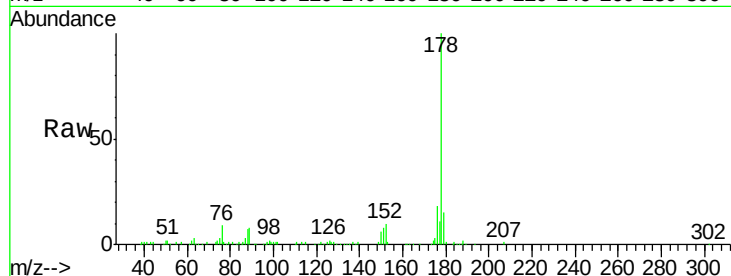
Tgt Ion:178 Resp: 184651

Ion Ratio Lower Upper

178 100

179 15.0 11.8 17.8

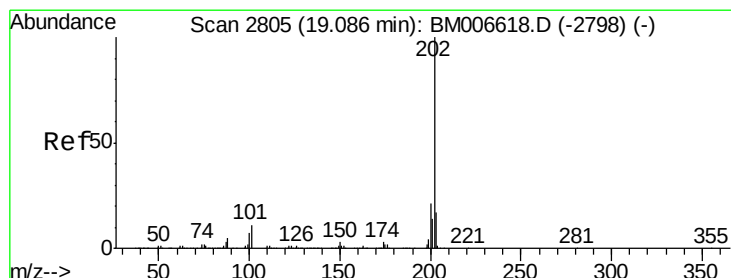
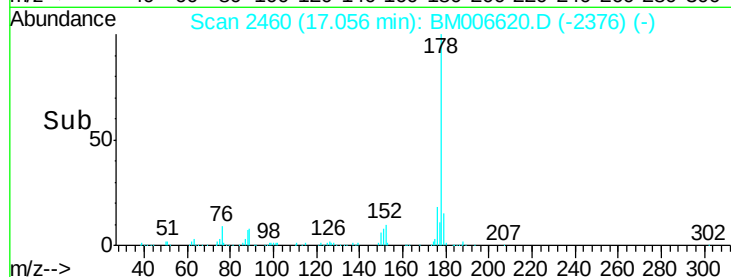
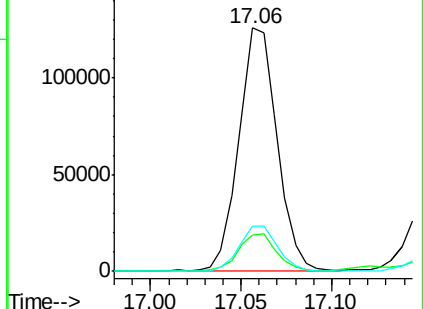
176 18.3 14.8 22.2



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: 5.09 ng/ul

RT: 19.09 min Scan# 2805

Delta R.T. -0.00 min

Lab File: BM006620.D

Acq: 22 Jul 2016 11:43

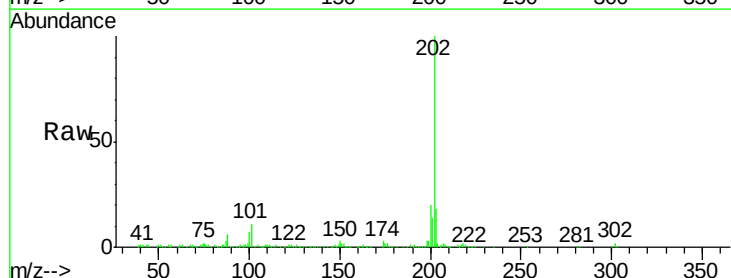
Tgt Ion:202 Resp: 289220

Ion Ratio Lower Upper

202 100

101 10.6 8.9 13.3

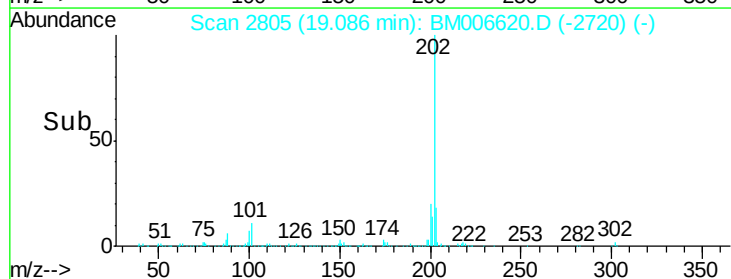
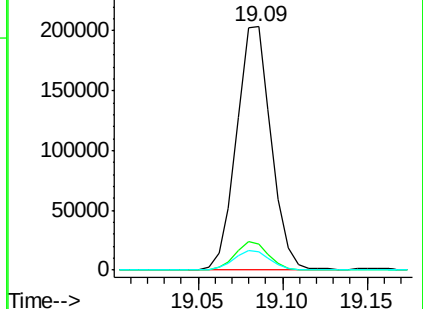
100 7.4 7.0 10.4

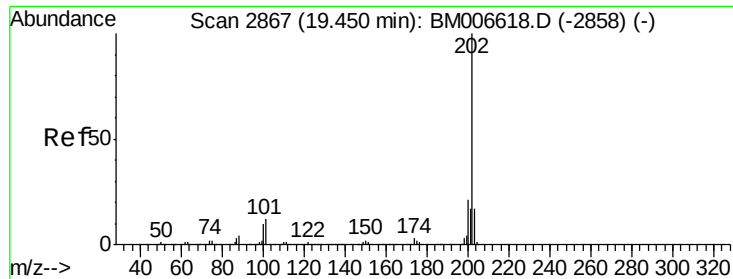


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

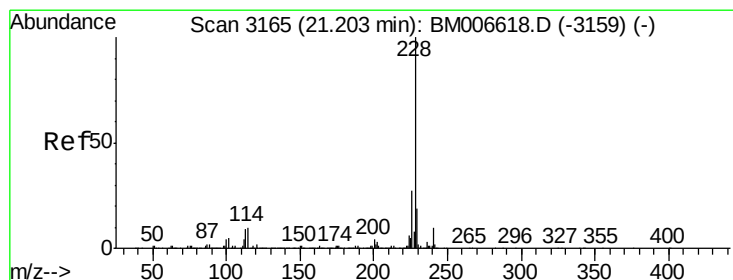
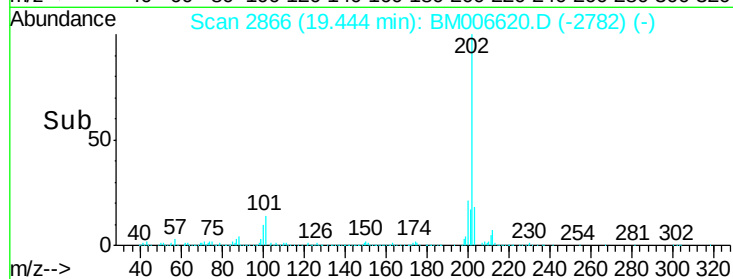
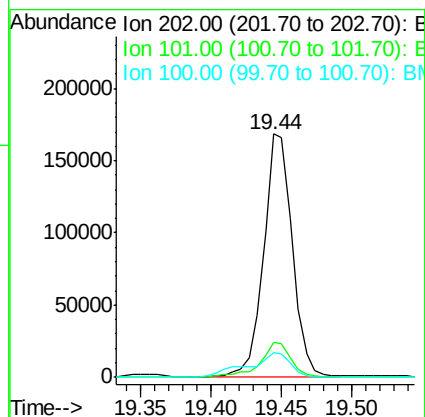
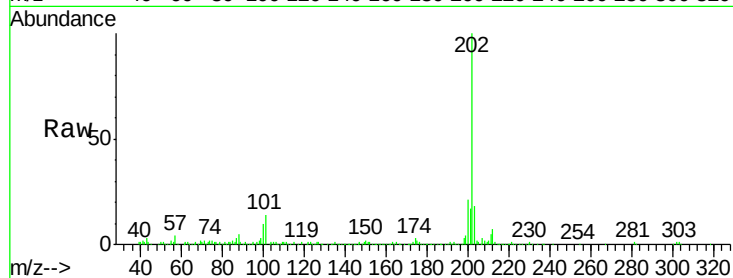




#31
 Pyrene
 Concen: 4.32 ng/ul
 RT: 19.44 min Scan# 2866
 Delta R.T. -0.01 min
 Lab File: BM006620.D
 Acq: 22 Jul 2016 11:43

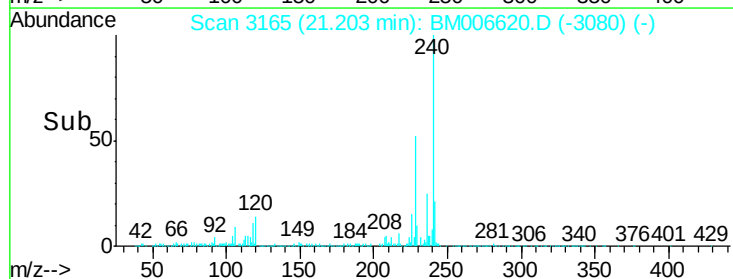
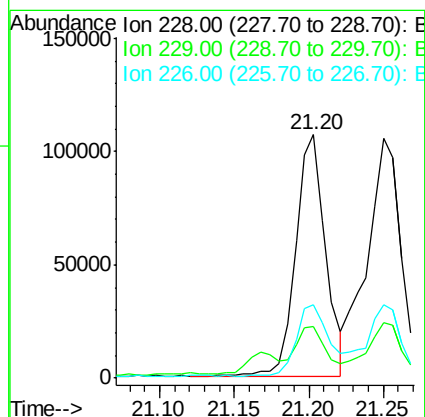
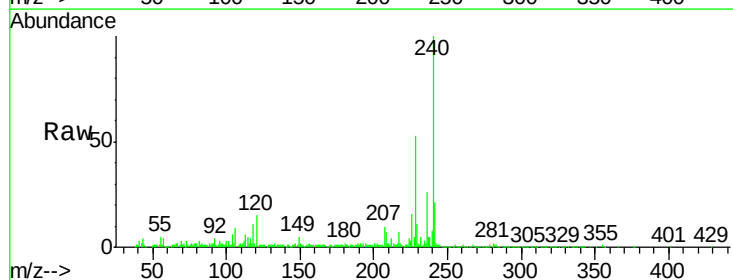
Instrument :
 BNA_M
 ClientSampleId :
 D9YP3

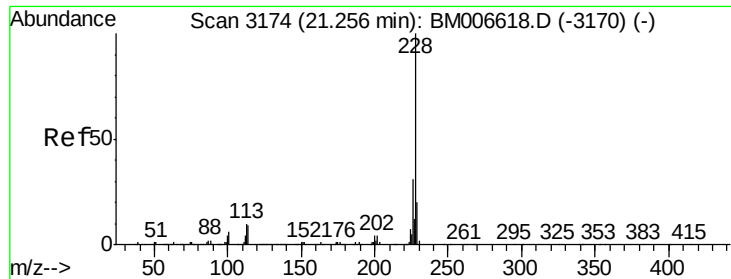
Tgt Ion: 202 Resp: 240036
 Ion Ratio Lower Upper
 202 100
 101 14.2 9.8 14.8
 100 10.2 9.3 13.9



#32
 Benzo(a)anthracene
 Concen: 2.68 ng/ul
 RT: 21.20 min Scan# 3165
 Delta R.T. -0.00 min
 Lab File: BM006620.D
 Acq: 22 Jul 2016 11:43

Tgt Ion: 228 Resp: 149140
 Ion Ratio Lower Upper
 228 100
 229 21.3 16.6 25.0
 226 30.0 21.0 31.4





#33

Chrysene

Concen: 3.19 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. -0.01 min

Lab File: BM006620.D

Acq: 22 Jul 2016 11:43

Instrument :

BNA_M

ClientSampleId :

D9YP3

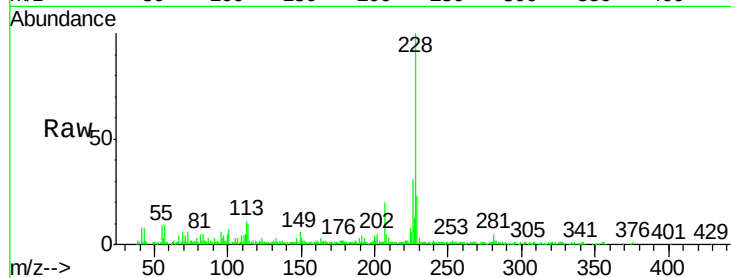
Tgt Ion:228 Resp: 163723

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.2

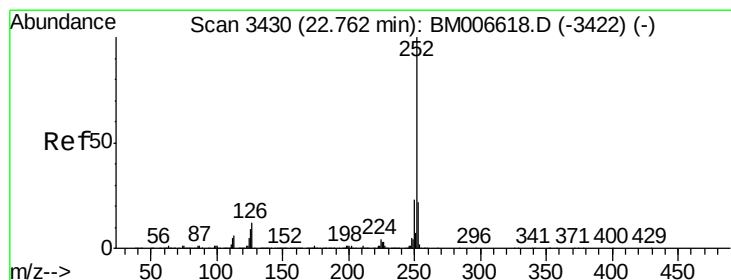
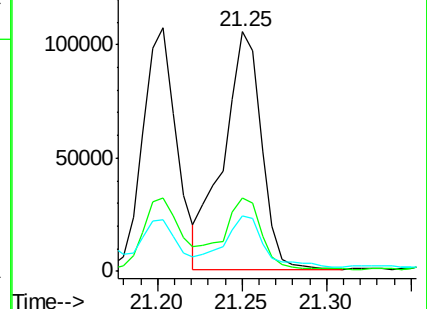
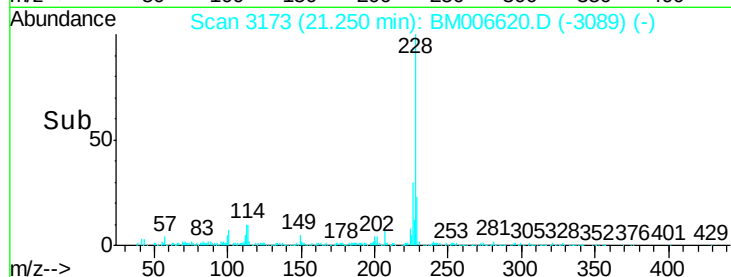
229 23.3 16.2 24.2



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: 4.53 ng/ul

RT: 22.76 min Scan# 3430

Delta R.T. -0.00 min

Lab File: BM006620.D

Acq: 22 Jul 2016 11:43

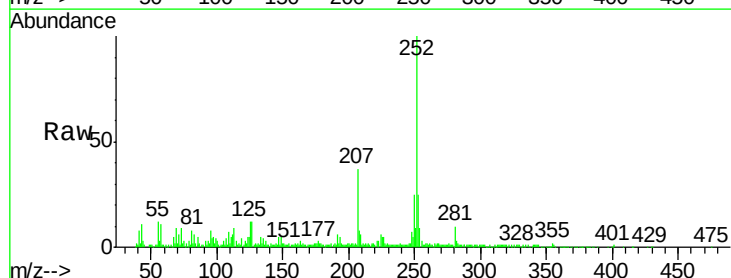
Tgt Ion:252 Resp: 257419

Ion Ratio Lower Upper

252 100

253 24.9 18.1 27.1

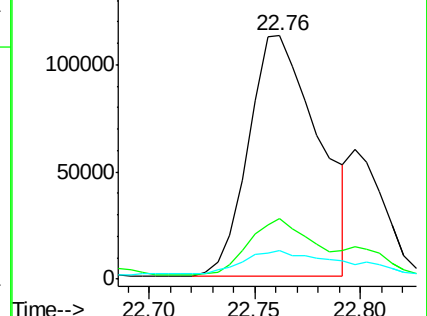
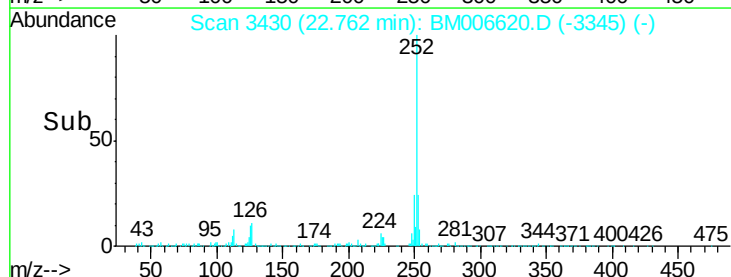
125 11.7 7.6 11.4#

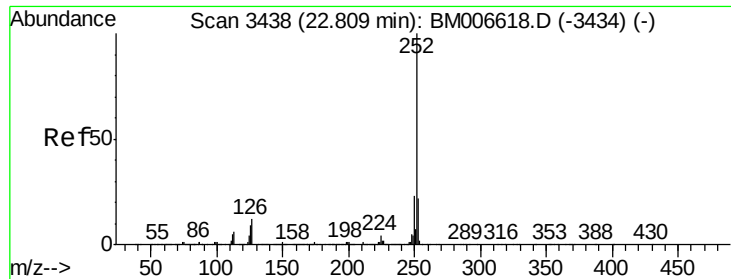


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 4.69 ng/ul

RT: 22.76 min Scan# 3430

Delta R.T. -0.05 min

Lab File: BM006620.D

Acq: 22 Jul 2016 11:43

Instrument :

BNA_M

ClientSampleId :

D9YP3

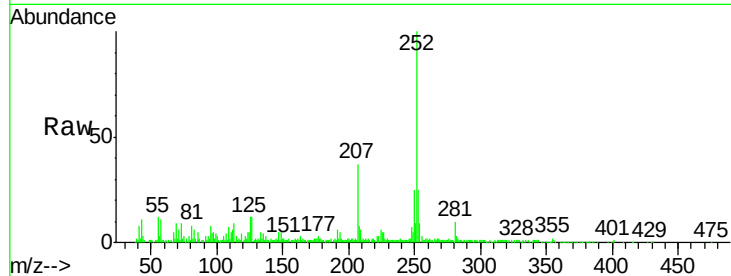
Tgt Ion:252 Resp: 257419

Ion Ratio Lower Upper

252 100

253 24.9 17.8 26.8

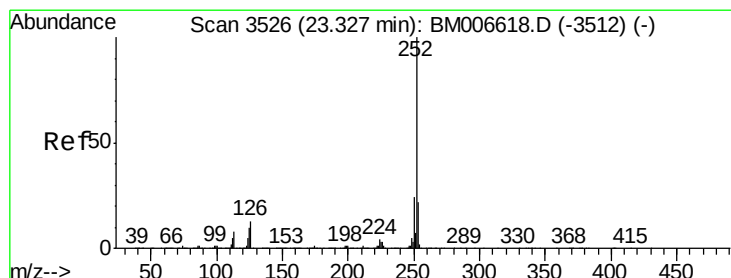
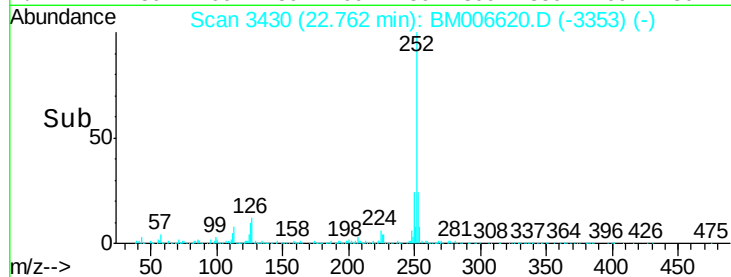
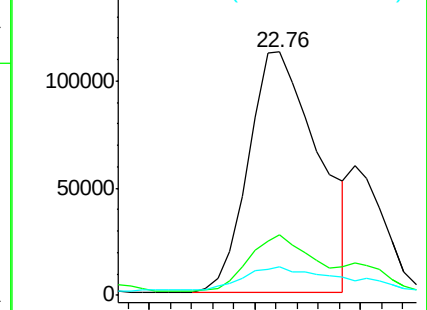
125 11.7 7.7 11.5#



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: 2.71 ng/ul

RT: 23.32 min Scan# 3525

Delta R.T. -0.01 min

Lab File: BM006620.D

Acq: 22 Jul 2016 11:43

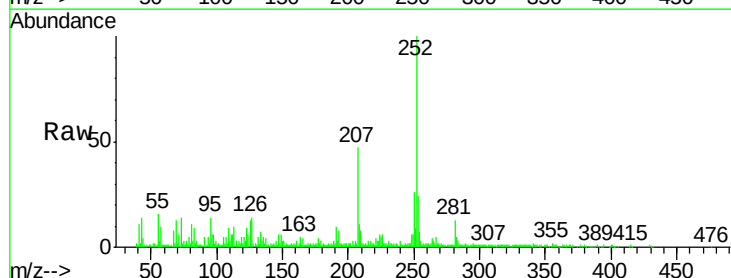
Tgt Ion:252 Resp: 149968

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.0

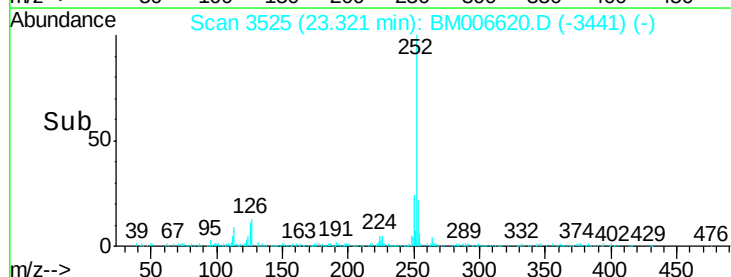
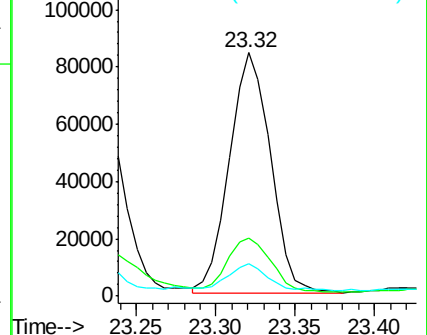
125 13.4 8.2 12.2#

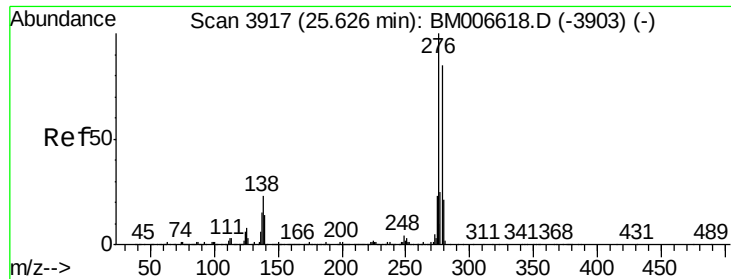


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.02 ng/ul

RT: 25.61 min Scan# 3915

Delta R.T. -0.01 min

Lab File: BM006620.D

Acq: 22 Jul 2016 11:43

Instrument :

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ClientSampleId :

D9YP3

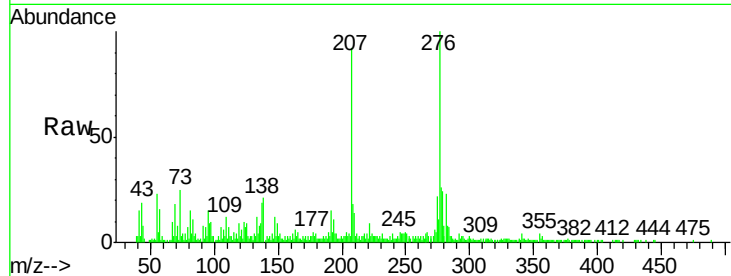
Tgt Ion: 276 Resp: 129308

Ion Ratio Lower Upper

276 100

138 20.9 15.8 23.6

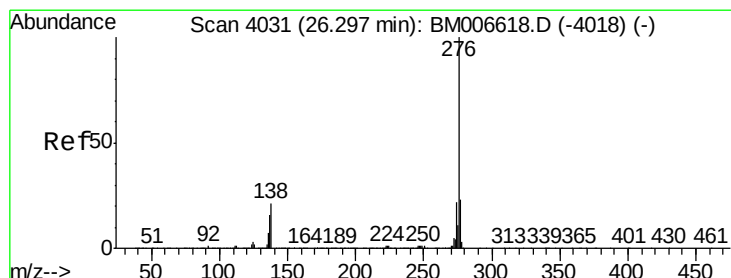
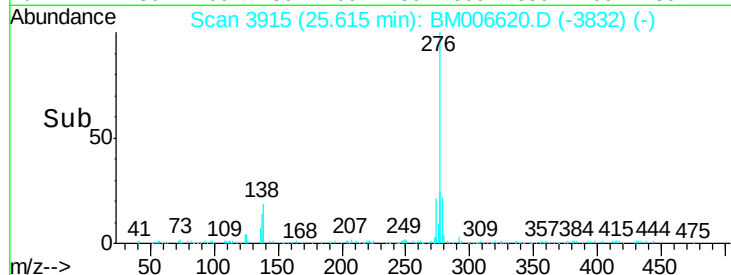
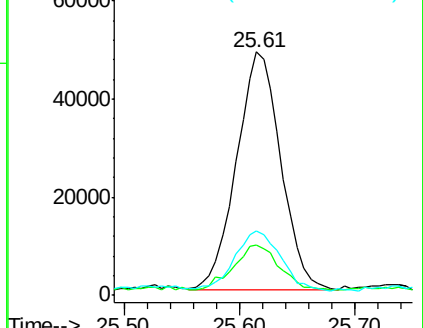
277 26.3 19.0 28.6



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



#41

Benzo(g,h,i)perylene

Concen: 2.28 ng/ul

RT: 26.30 min Scan# 4031

Delta R.T. -0.00 min

Lab File: BM006620.D

Acq: 22 Jul 2016 11:43

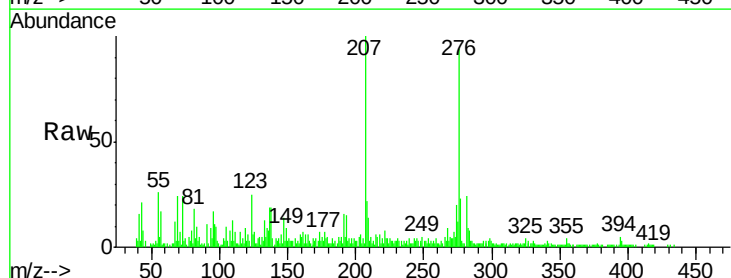
Tgt Ion: 276 Resp: 125054

Ion Ratio Lower Upper

276 100

138 20.3 13.9 20.9

277 24.1 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

