

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080616\
 Data File : BM006964.D
 Acq On : 07 Aug 2016 07:31
 Operator : UM/SJ
 Sample : H4301-20
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0J7

Quant Time: Aug 08 03:54:56 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 08 03:51:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	171017	20.00	ng/ul	0.00
7) Naphthalene-d8	10.32	136	846398	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.20	164	575633	20.00	ng/ul	0.00
23) Phenanthrene-d10	16.96	188	1394706	20.00	ng/ul	0.00
29) Chrysene-d12	21.17	240	1443166	20.00	ng/ul	0.00
34) Perylene-d12	23.36	264	1073183	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.09	96	7555	2.02	ng/uL	0.00
3) Phenol-d5	6.77	99	298593	18.41	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.90	67	246310	24.22	ng/ul	0.00
5) 2-Chlorophenol-d4	7.10	132	250313	21.62	ng/ul	0.00
6) 4-Methylphenol-d8	8.29	113	220191	16.27	ng/ul	0.00
8) Nitrobenzene-d5	8.72	128	140901	22.41	ng/ul	0.00
9) 2-Nitrophenol-d4	9.43	143	163878	21.77	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	9.98	165	293602	20.57	ng/ul	0.00
12) 4-Chloroaniline-d4	10.49	131	371926	21.83	ng/ul	0.00
16) Dimethylphthalate-d6	13.63	166	1226925	24.22	ng/ul	0.00
17) Acenaphthylene-d8	13.90	160	1387006	23.67	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	123900	16.86	ng/ul	0.02
21) Fluorene-d10	15.21	176	1055893	24.52	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.37	200	122826	21.33	ng/ul	0.00
26) Anthracene-d10	17.06	188	1644549	24.41	ng/ul	0.00
30) Pyrene-d10	19.37	212	1887121	27.43	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.22	264	1255178	24.56	ng/ul	0.00

Target Compounds

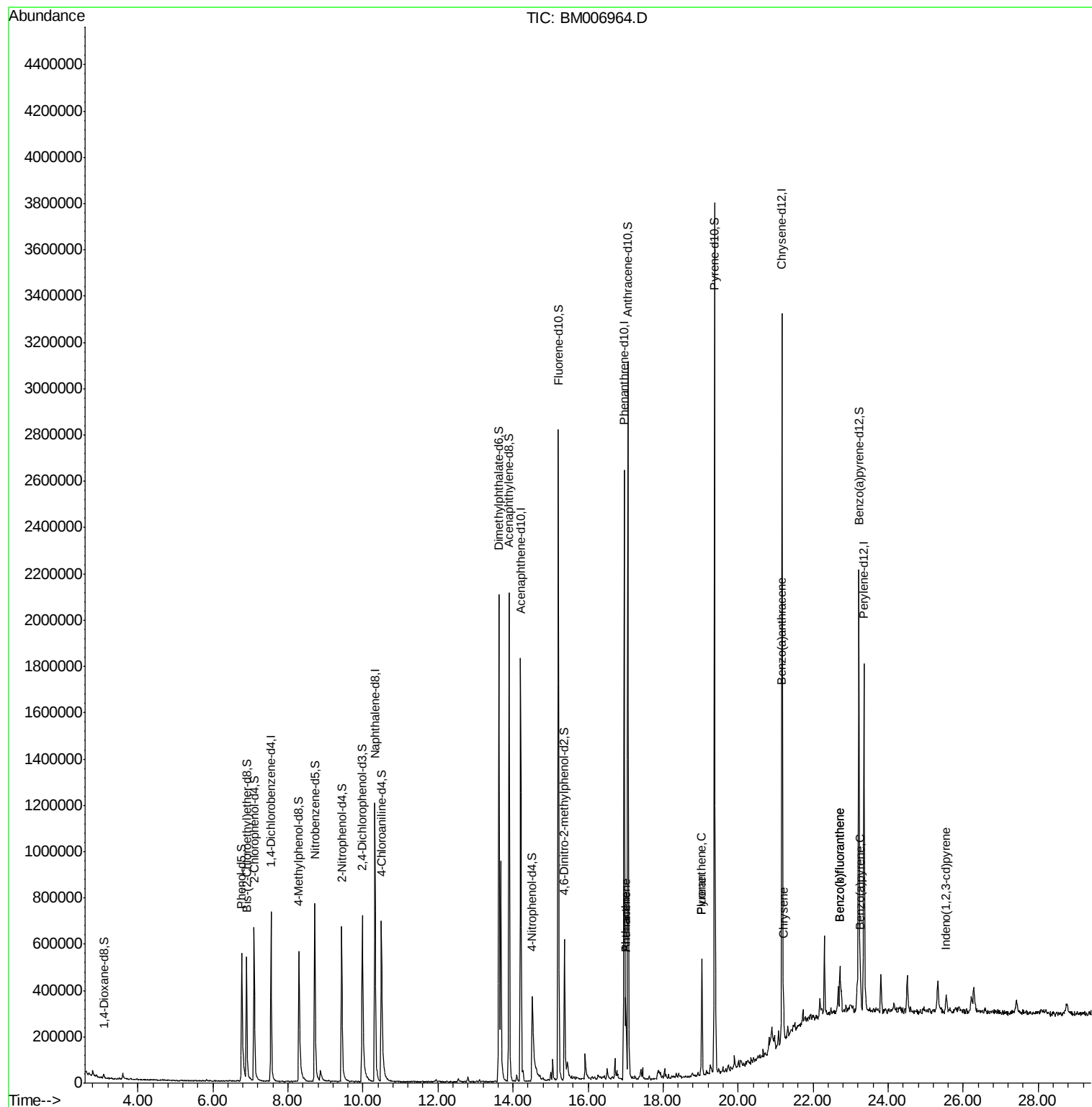
						Qvalue
25) Phenanthrene	17.00	178	187390	2.40	ng/ul	96
27) Anthracene	17.00	178	187390	2.29	ng/ul	96
28) Fluoranthene	19.04	202	302020	3.18	ng/ul#	97
31) Pyrene	19.04	202	302020	3.37	ng/ul	99
32) Benzo(a)anthracene	21.16	228	137234	1.60	ng/ul	95
33) Chrysene	21.21	228	116720	1.55	ng/ul	98
35) Benzo(b)fluoranthene	22.72	252	157956	2.26	ng/ul	99
36) Benzo(k)fluoranthene	22.72	252	157956	2.34	ng/ul	98
38) Benzo(a)pyrene	23.26	252	91592	1.44	ng/ul#	89
39) Indeno(1,2,3-cd)pyrene	25.54	276	71263	1.11	ng/ul	96

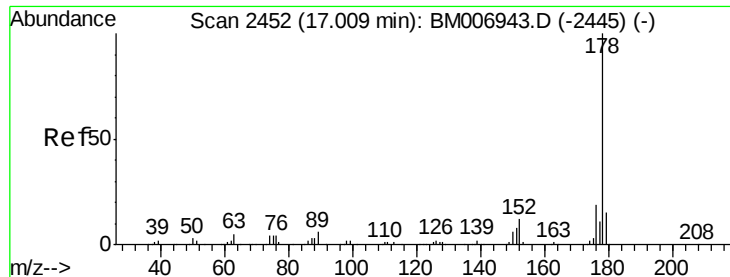
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 2.40 ng/ul

RT: 17.00 min Scan# 2451

Delta R.T. -0.01 min

Lab File: BM006964.D

Acq: 07 Aug 2016 07:31

Instrument :

BNA_M

ClientSampleId :

DA0J7

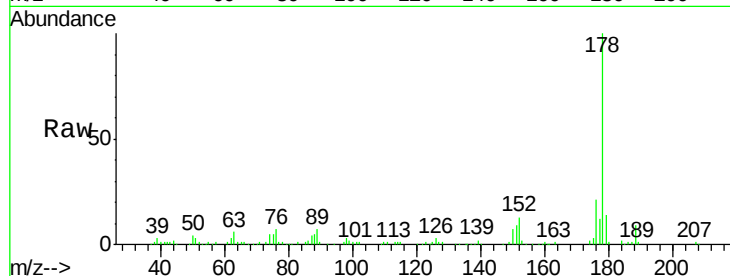
Tgt Ion:178 Resp: 187390

Ion Ratio Lower Upper

178 100

179 13.9 12.0 18.0

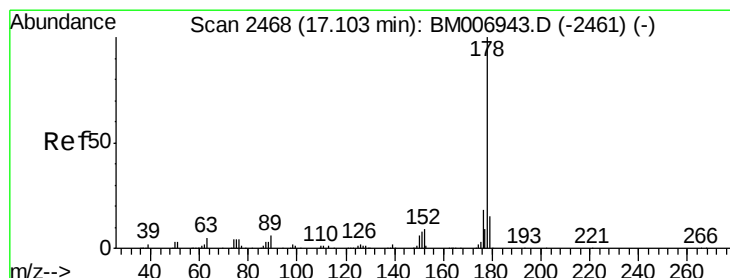
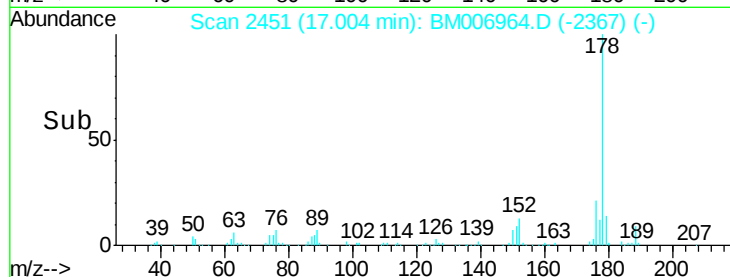
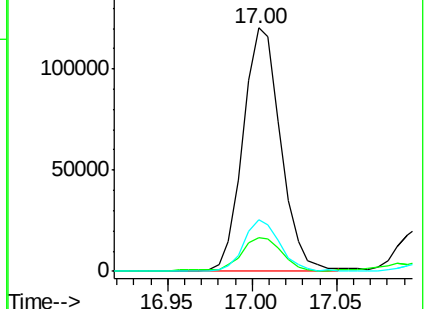
176 21.2 15.0 22.4



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



#27

Anthracene

Concen: 2.29 ng/ul

RT: 17.00 min Scan# 2451

Delta R.T. -0.10 min

Lab File: BM006964.D

Acq: 07 Aug 2016 07:31

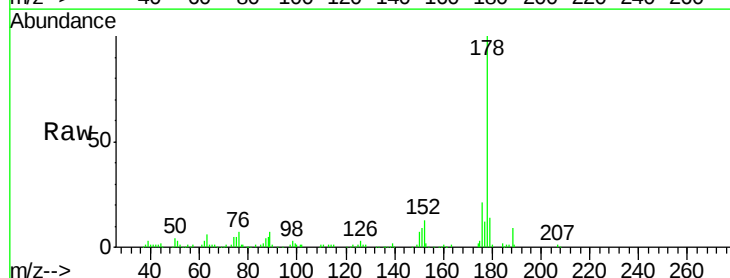
Tgt Ion:178 Resp: 187390

Ion Ratio Lower Upper

178 100

179 13.9 12.5 18.7

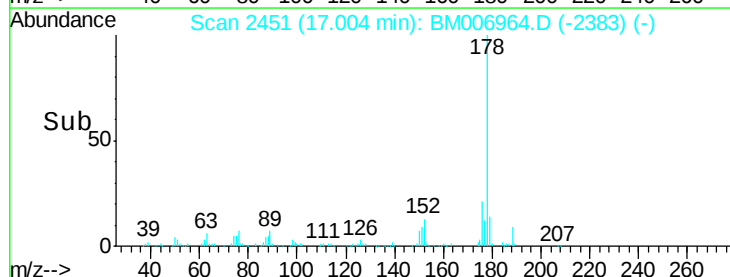
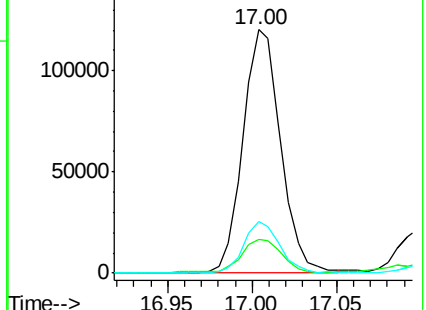
176 21.2 15.4 23.0

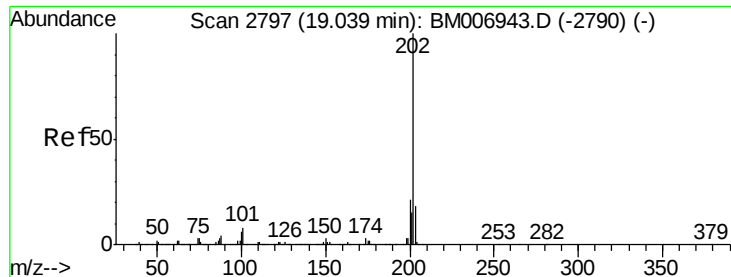


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 3.18 ng/ul

RT: 19.04 min Scan# 2797

Delta R.T. 0.00 min

Lab File: BM006964.D

Acq: 07 Aug 2016 07:31

Instrument :

BNA_M

ClientSampleId :

DA0J7

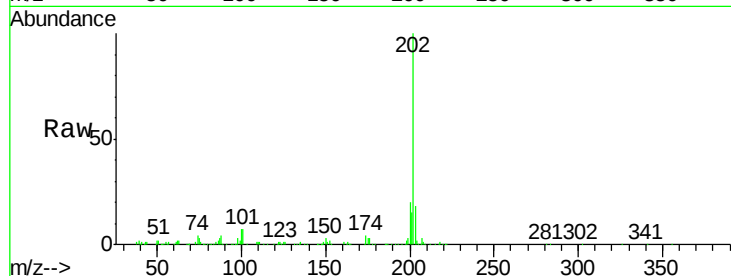
Tgt Ion:202 Resp: 302020

Ion Ratio Lower Upper

202 100

101 7.5 5.6 8.4

100 6.9 4.2 6.4#



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

19.04

250000

200000

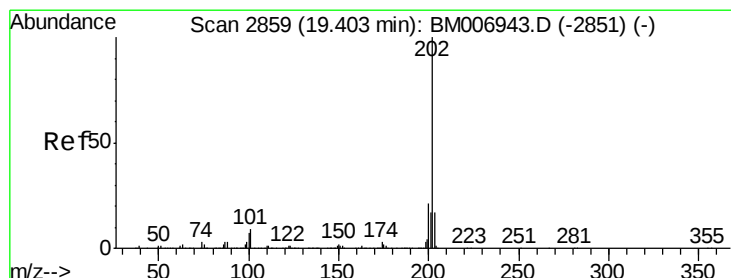
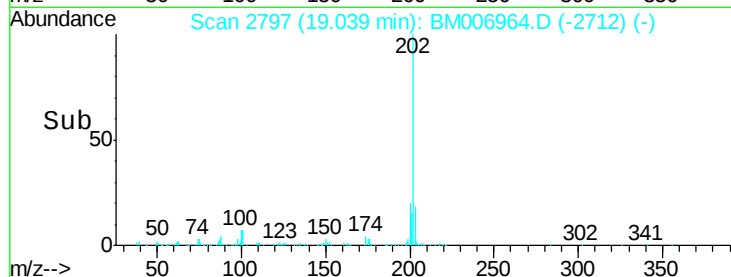
150000

100000

50000

0

Time--> 18.95 19.00 19.05 19.10



#31

Pyrene

Concen: 3.37 ng/ul

RT: 19.04 min Scan# 2797

Delta R.T. -0.36 min

Lab File: BM006964.D

Acq: 07 Aug 2016 07:31

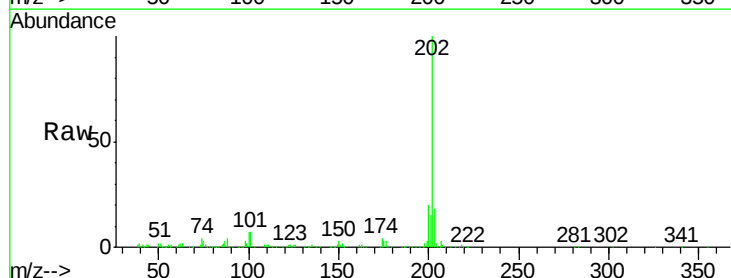
Tgt Ion:202 Resp: 302020

Ion Ratio Lower Upper

202 100

101 7.5 6.4 9.6

100 6.9 5.4 8.2



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

19.04

250000

200000

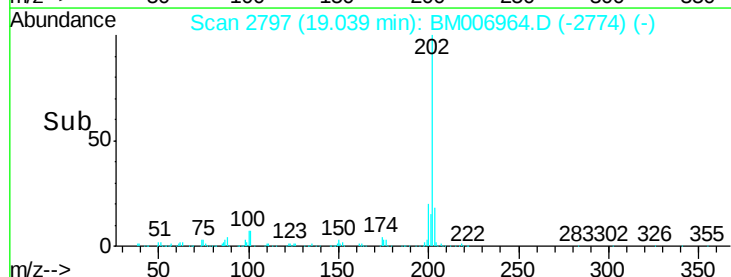
150000

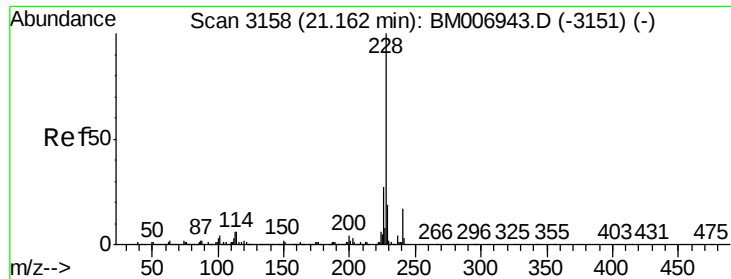
100000

50000

0

Time--> 18.95 19.00 19.05 19.10





#32

Benzo(a)anthracene

Concen: 1.60 ng/ul

RT: 21.16 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BM006964.D

Acq: 07 Aug 2016 07:31

Instrument :

BNA_M

ClientSampleId :

DA0J7

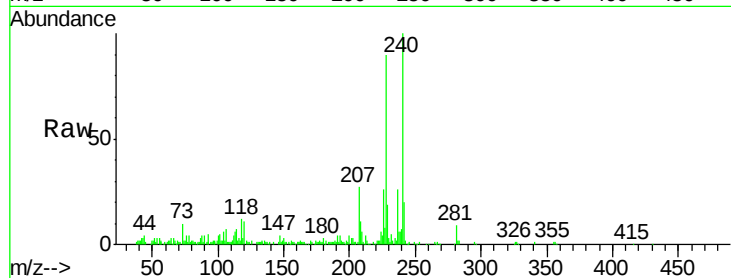
Tgt Ion:228 Resp: 137234

Ion Ratio Lower Upper

228 100

229 21.4 15.2 22.8

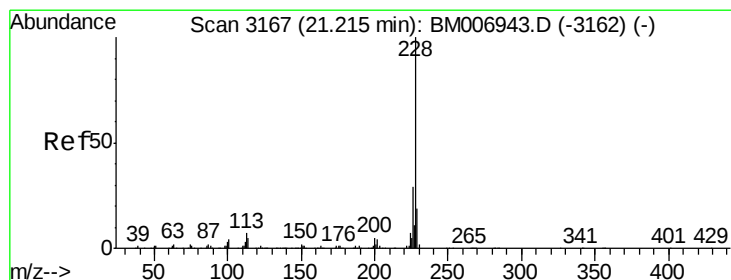
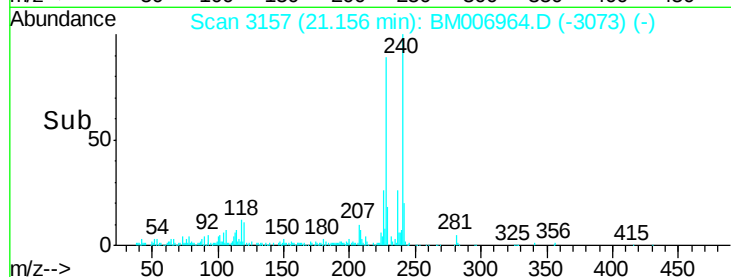
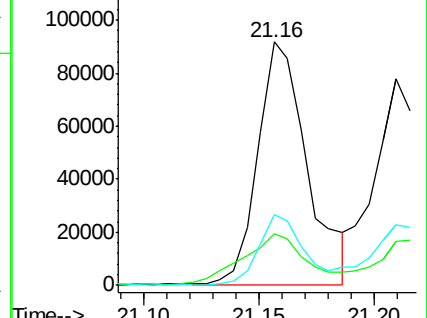
226 29.0 21.3 31.9



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: 1.55 ng/ul

RT: 21.21 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BM006964.D

Acq: 07 Aug 2016 07:31

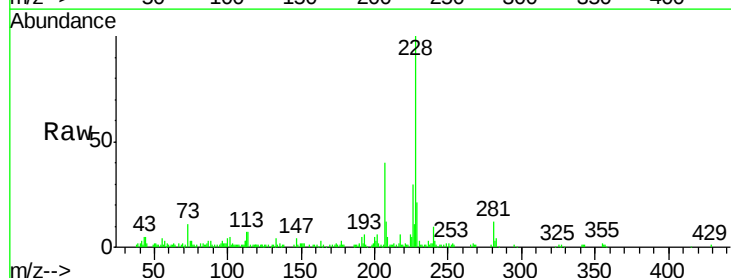
Tgt Ion:228 Resp: 116720

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

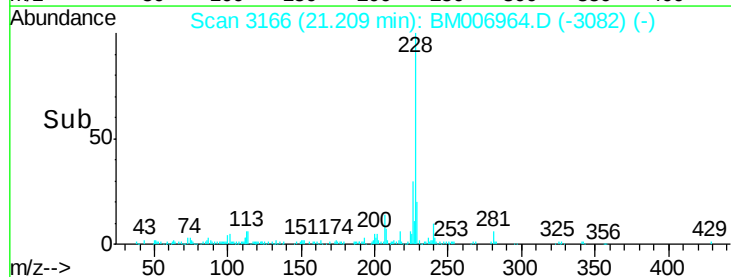
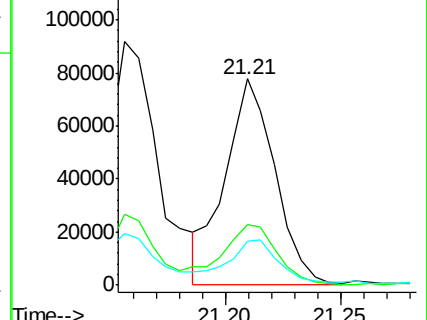
229 21.0 15.1 22.7

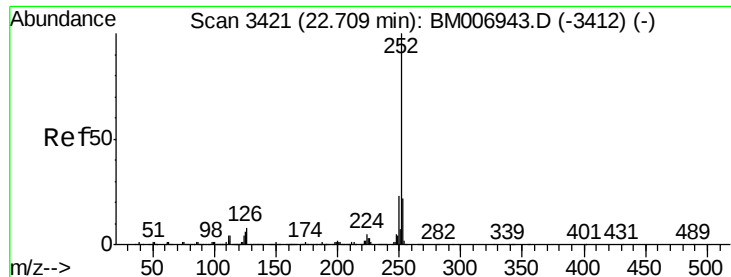


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 2.26 ng/ul

RT: 22.72 min Scan# 3422

Delta R.T. 0.01 min

Lab File: BM006964.D

Acq: 07 Aug 2016 07:31

Instrument :

BNA_M

ClientSampleId :

DA0J7

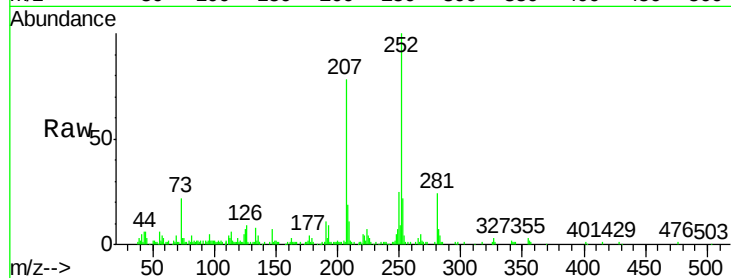
Tgt Ion:252 Resp: 157956

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

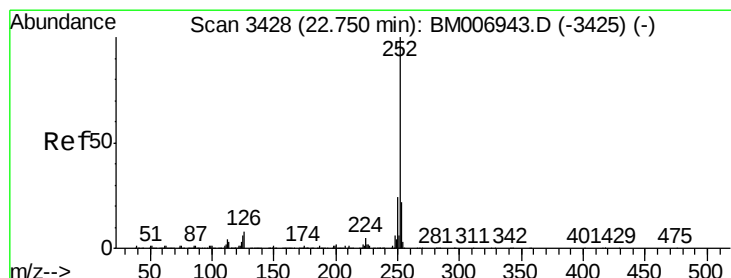
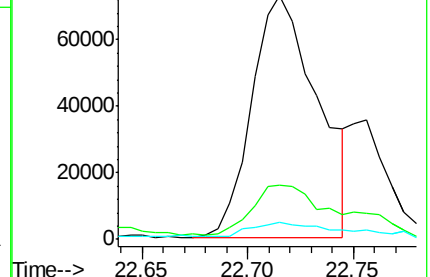
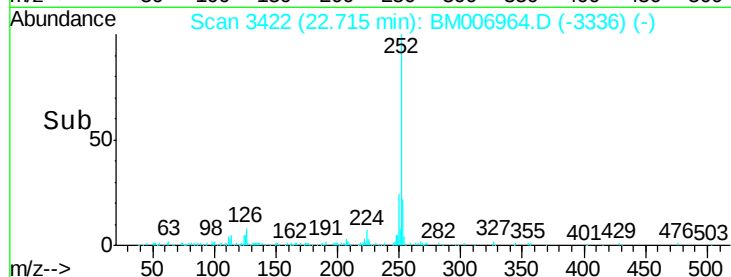
125 7.0 5.1 7.7



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: 2.34 ng/ul

RT: 22.72 min Scan# 3422

Delta R.T. -0.04 min

Lab File: BM006964.D

Acq: 07 Aug 2016 07:31

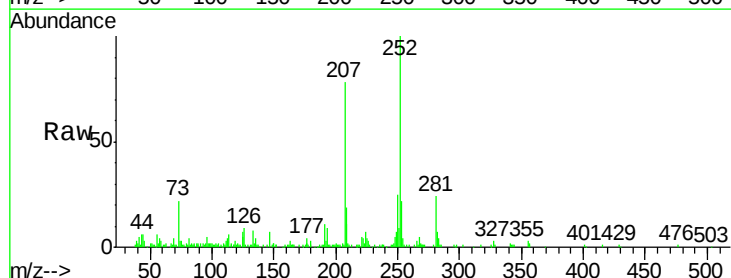
Tgt Ion:252 Resp: 157956

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

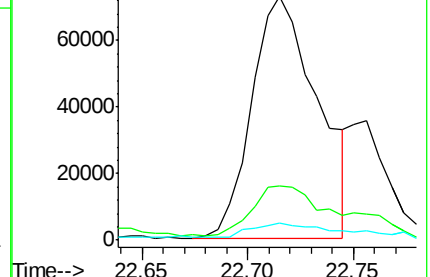
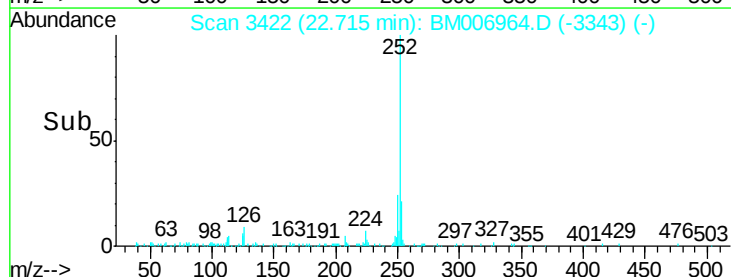
125 7.0 5.1 7.7

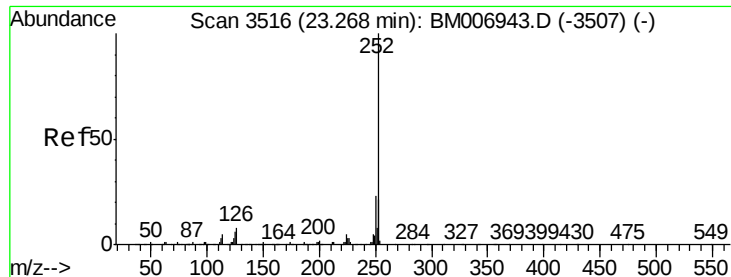


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 1.44 ng/ul

RT: 23.26 min Scan# 3515

Delta R.T. -0.01 min

Lab File: BM006964.D

Acq: 07 Aug 2016 07:31

Instrument :

BNA_M

ClientSampleId :

DA0J7

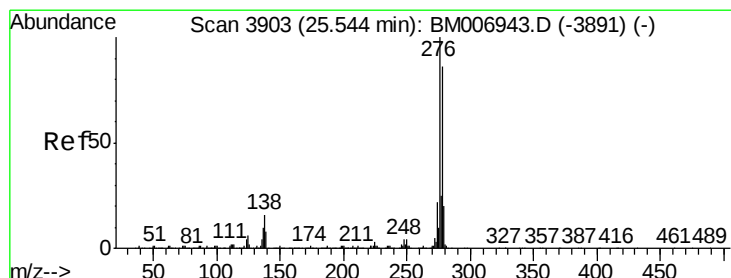
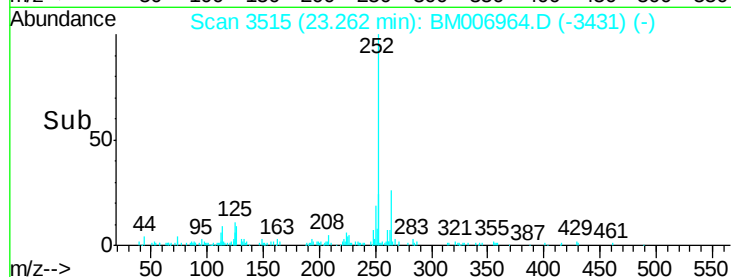
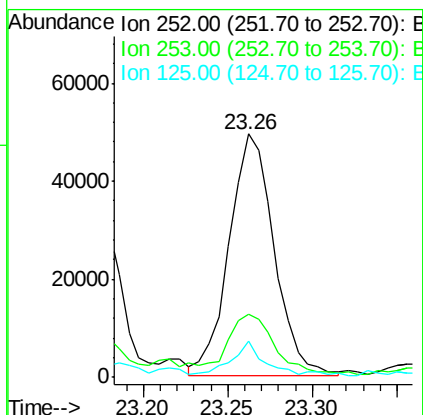
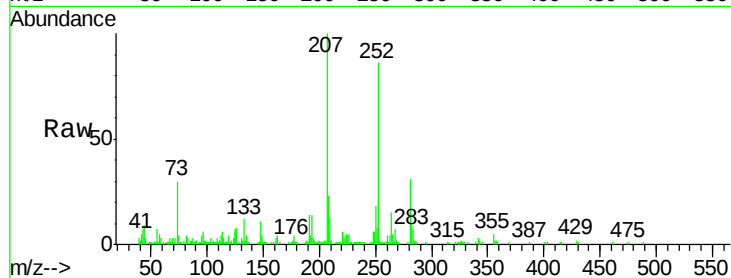
Tgt Ion:252 Resp: 91592

Ion Ratio Lower Upper

252 100

253 26.0 18.2 27.2

125 15.0 5.6 8.4#



#39

Indeno(1,2,3-cd)pyrene

Concen: 1.11 ng/ul

RT: 25.54 min Scan# 3903

Delta R.T. 0.00 min

Lab File: BM006964.D

Acq: 07 Aug 2016 07:31

Tgt Ion:276 Resp: 71263

Ion Ratio Lower Upper

276 100

138 12.9 12.6 19.0

277 26.6 20.3 30.5

