

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073116\
 Data File : BM006799.D
 Acq On : 31 Jul 2016 21:40
 Operator : UM/SJ
 Sample : H4188-09
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 06:44:48 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	183821	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	815289	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	456915	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	1025724	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	1138412	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1172578	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	4105	0.90	ng/uL	0.00
3) Phenol-d5	6.79	99	206532	13.21	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	133500	13.78	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	164053	13.13	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	139065	11.47	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	80921	13.11	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	90779	13.83	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	169536	13.67	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	159348	11.67	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	520678	14.53	ng/ul	0.00
17) Acenaphthylene-d8	13.94	160	669556	14.64	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	67084	10.78	ng/ul	0.00
21) Fluorene-d10	15.26	176	476853	14.88	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	58758	11.04	ng/ul	0.00
26) Anthracene-d10	17.11	188	727114	14.93	ng/ul	0.00
30) Pyrene-d10	19.41	212	844158	16.27	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.28	264	817029	15.15	ng/ul	0.00

Target Compounds

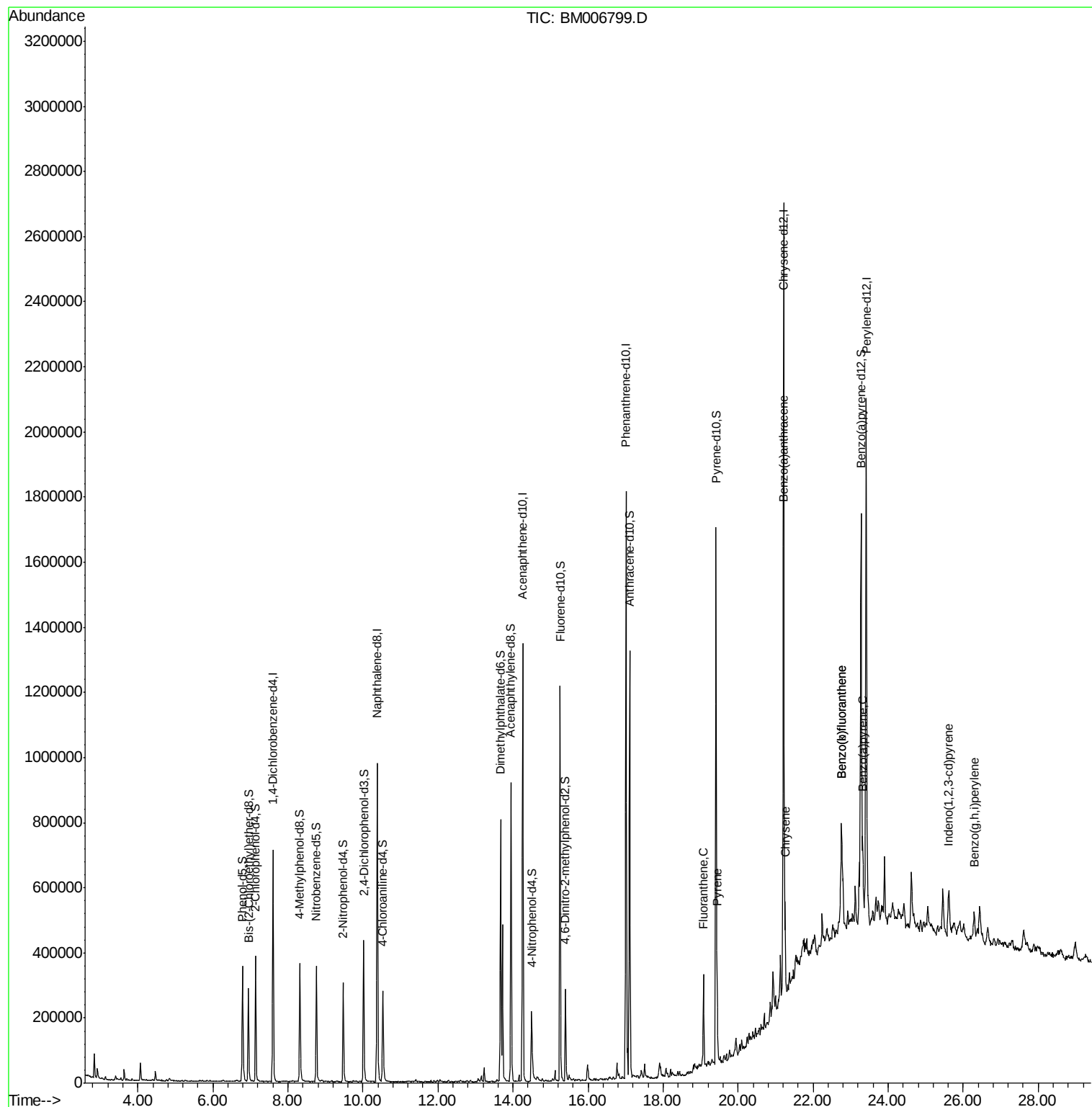
						Ovalue
28) Fluoranthene	19.07	202	164453	2.43	ng/ul	99
31) Pyrene	19.44	202	159445	2.31	ng/ul	96
32) Benzo(a)anthracene	21.20	228	111590	1.62	ng/ul	95
33) Chrysene	21.25	228	151381	2.38	ng/ul	97
35) Benzo(b)fluoranthene	22.76	252	278928	3.97	ng/ul	100
36) Benzo(k)fluoranthene	22.76	252	278928	4.10	ng/ul	99
38) Benzo(a)pyrene	23.32	252	158519	2.32	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.61	276	126367	1.59	ng/ul	97
41) Benzo(a,h,i)perylene	26.29	276	104214	1.53	ng/ul	98

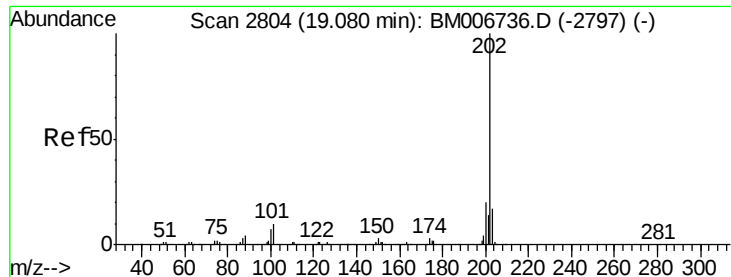
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#28

Fluoranthene

Concen: 2.43 ng/ul

RT: 19.07 min Scan# 2803

Delta R.T. -0.01 min

Lab File: BM006799.D

Acq: 31 Jul 2016 21:40

Instrument :

BNA_M

ClientSampleId :

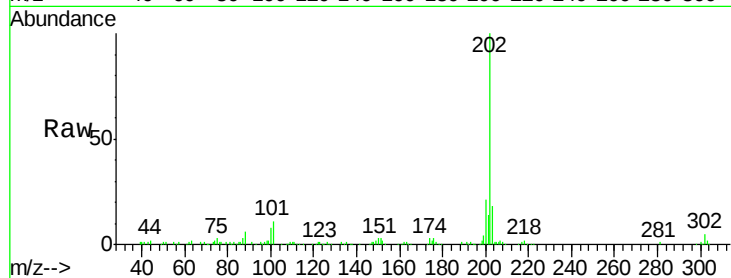
Tot Ion:202 Resp: 164453

Ion Ratio Lower Upper

202 100

101 11.0 8.9 13.3

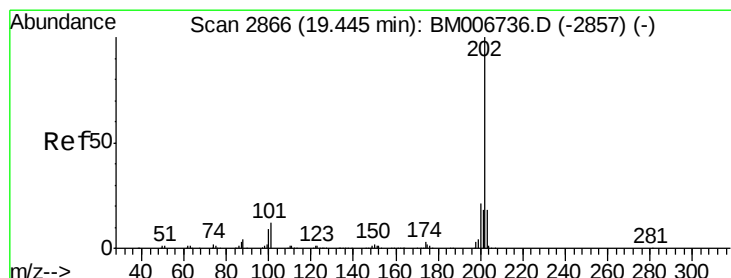
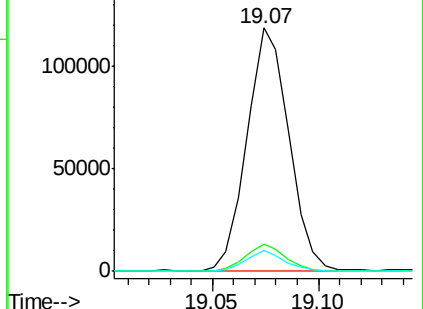
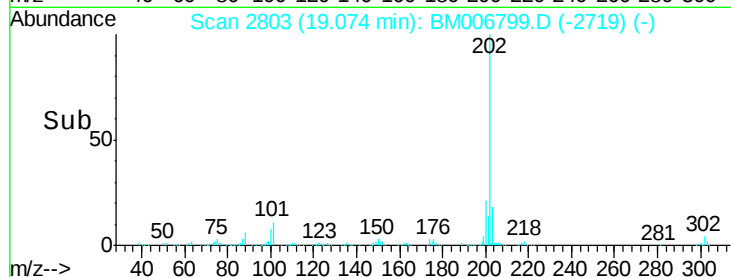
100 8.4 7.0 10.4



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: 2.31 ng/ul

RT: 19.44 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BM006799.D

Acq: 31 Jul 2016 21:40

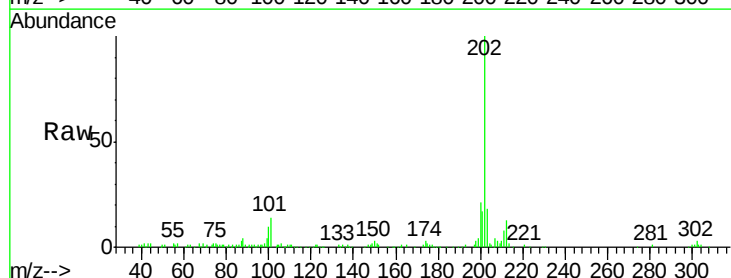
Tgt Ion:202 Resp: 159445

Ion Ratio Lower Upper

202 100

101 14.3 9.8 14.8

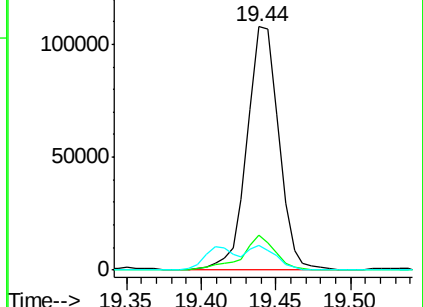
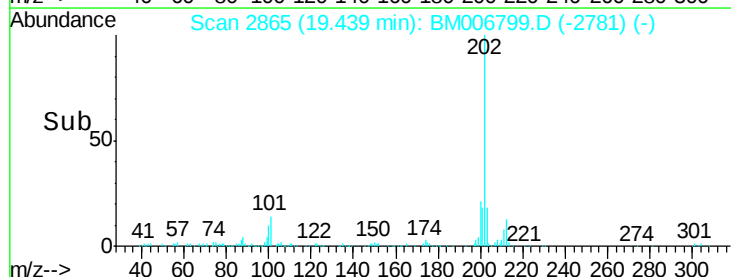
100 10.2 9.3 13.9

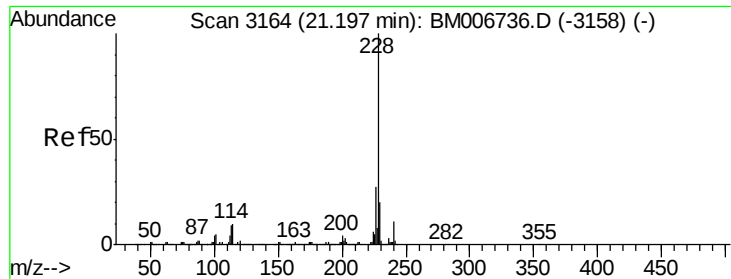


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 1.62 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BM006799.D

Acq: 31 Jul 2016 21:40

Instrument :

BNA_M

ClientSampleId :

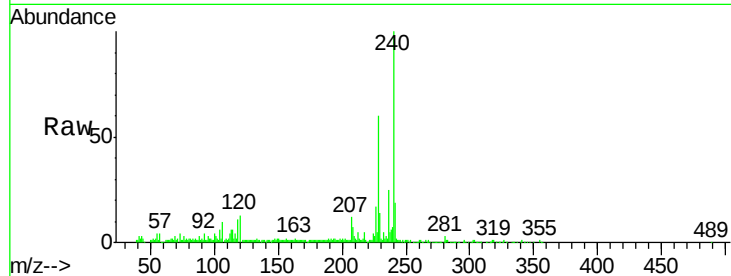
Tot Ion:228 Resp: 111590

Ion Ratio Lower Upper

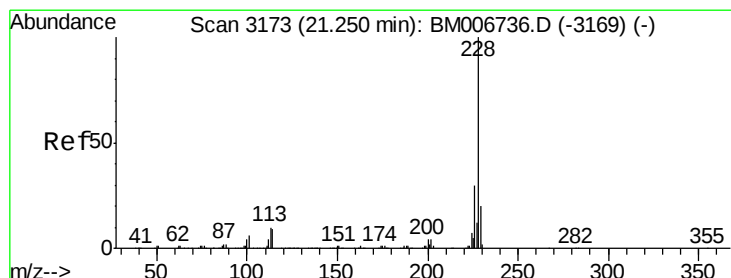
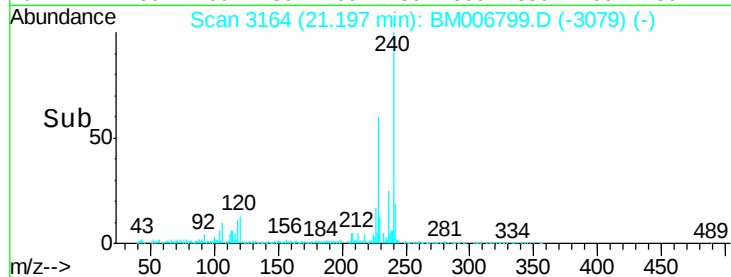
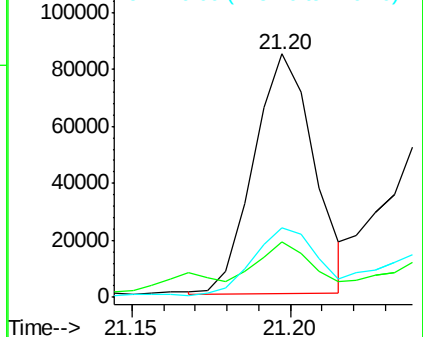
228 100

229 22.7 16.6 25.0

226 28.7 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: 2.38 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BM006799.D

Acq: 31 Jul 2016 21:40

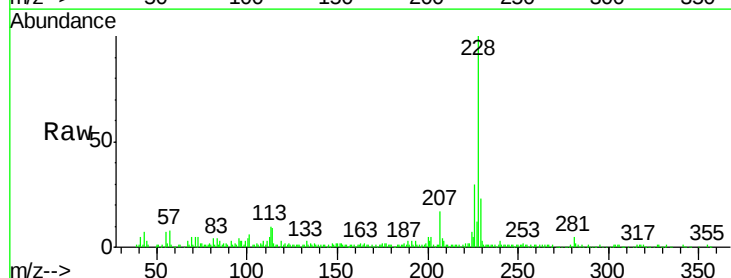
Tgt Ion:228 Resp: 151381

Ion Ratio Lower Upper

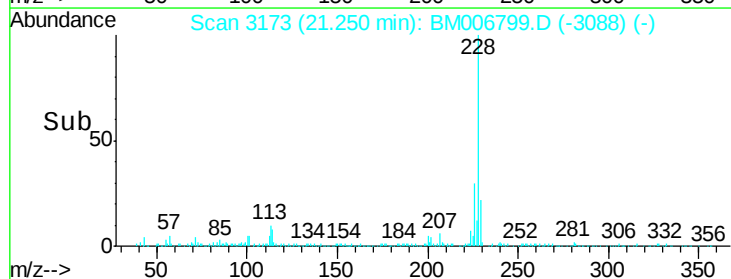
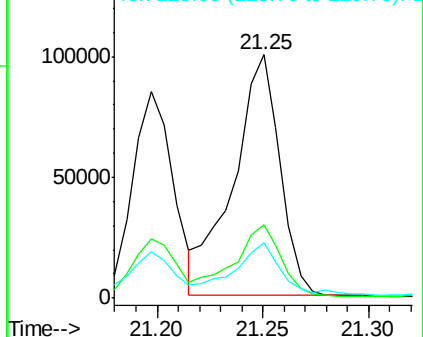
228 100

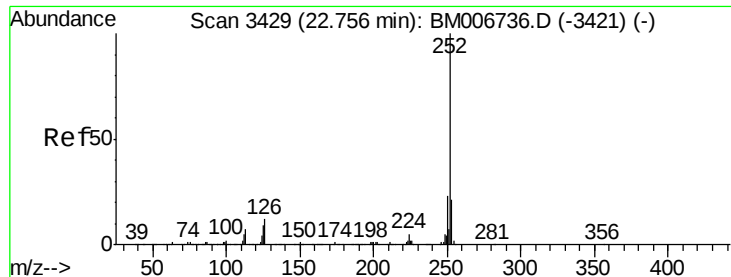
226 30.2 23.4 35.2

229 22.9 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

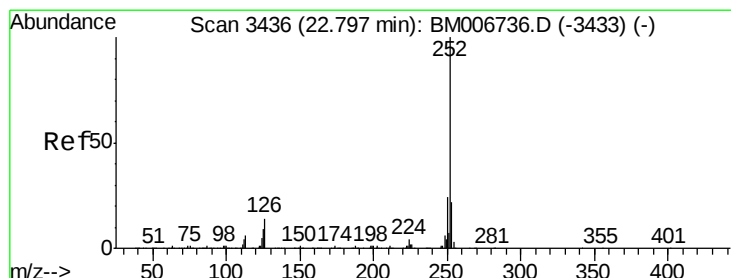
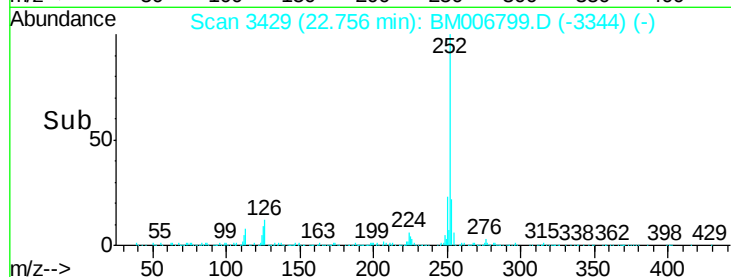
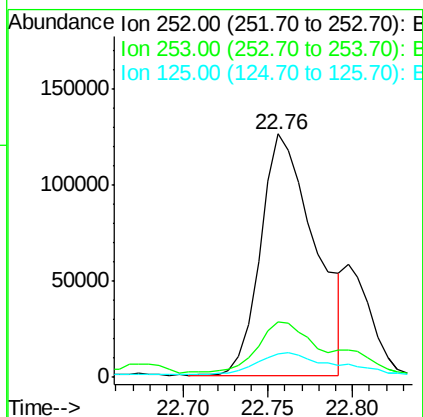
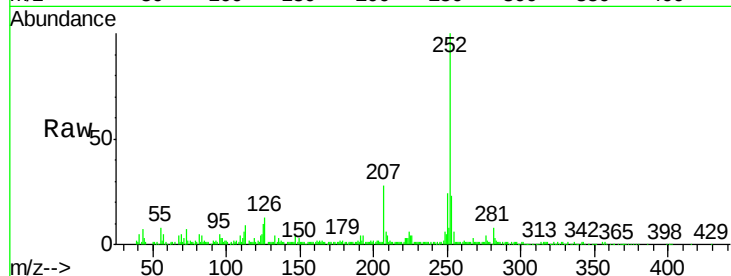




#35
Benzo(b)fluoranthene
Concen: 3.97 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. -0.00 min
Lab File: BM006799.D
Acq: 31 Jul 2016 21:40

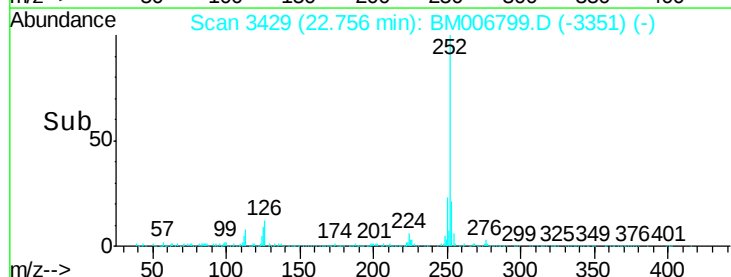
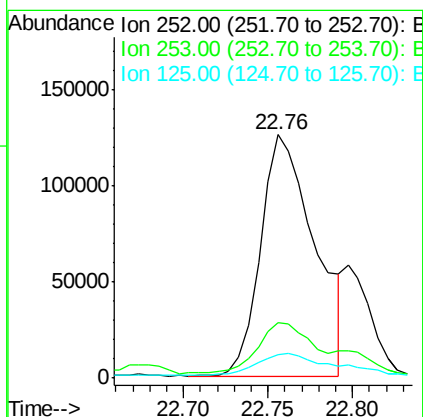
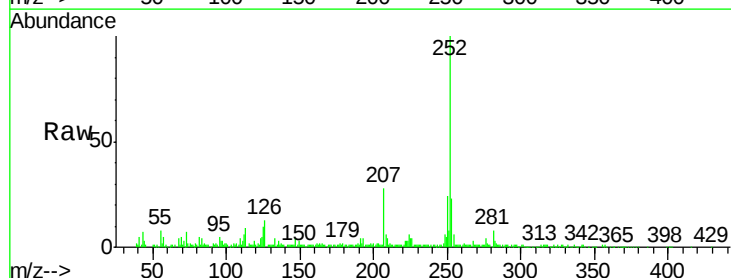
Instrument :
BNA_M
ClientSampleId :

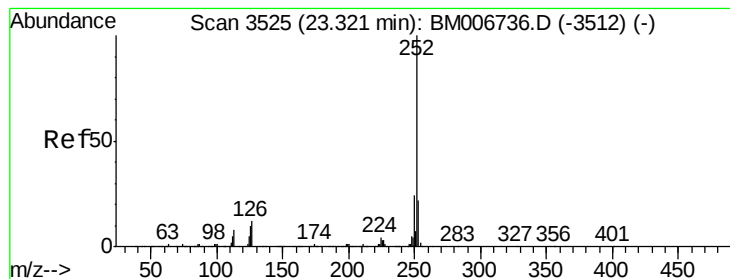
Tot Ion:252 Resp: 278928
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 9.6 7.6 11.4



#36
Benzo(k)fluoranthene
Concen: 4.10 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. -0.04 min
Lab File: BM006799.D
Acq: 31 Jul 2016 21:40

Tgt Ion:252 Resp: 278928
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 9.6 7.7 11.5





#38

Benzo(a)pyrene

Concen: 2.32 ng/ul

RT: 23.32 min Scan# 3525

Delta R.T. -0.00 min

Lab File: BM006799.D

Acq: 31 Jul 2016 21:40

Instrument :

BNA_M

ClientSampleId :

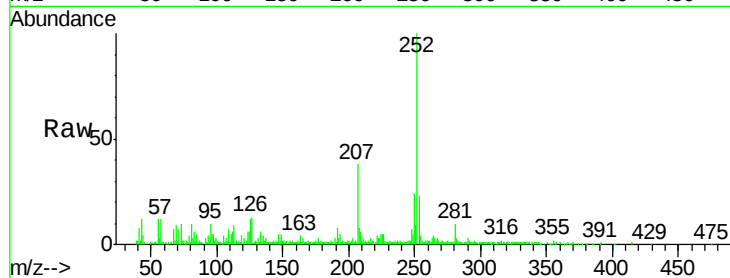
Tot Ion:252 Resp: 158519

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

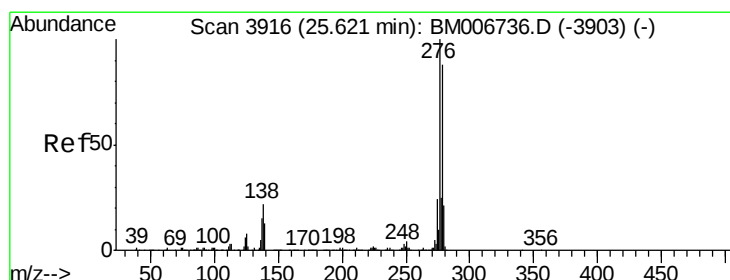
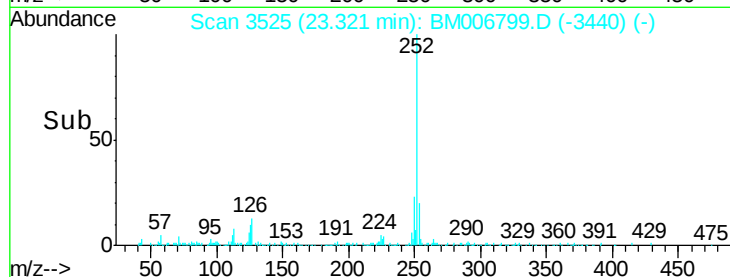
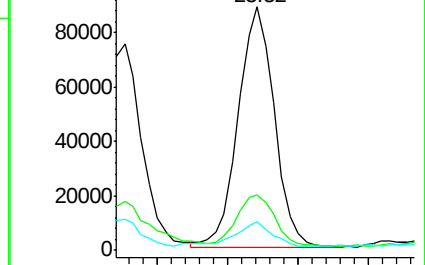
125 11.6 8.2 12.2



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: 1.59 ng/ul

RT: 25.61 min Scan# 3915

Delta R.T. -0.01 min

Lab File: BM006799.D

Acq: 31 Jul 2016 21:40

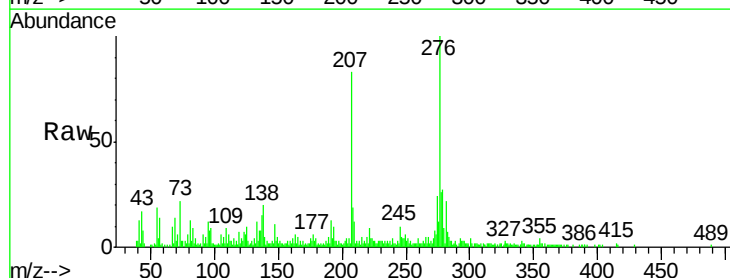
Tgt Ion:276 Resp: 126367

Ion Ratio Lower Upper

276 100

138 20.4 15.8 23.6

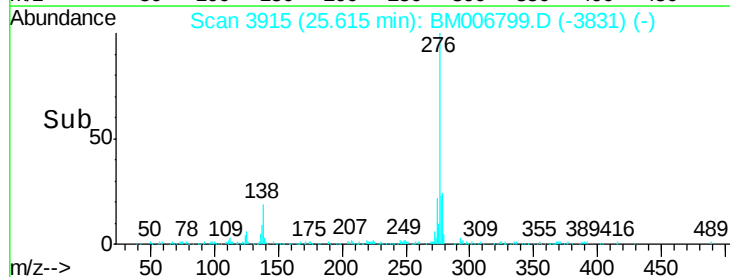
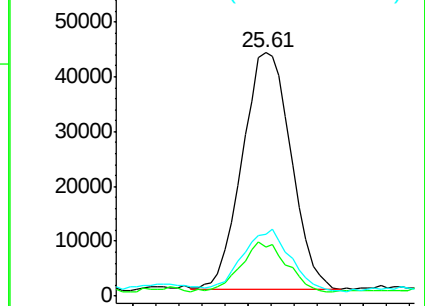
277 25.6 19.0 28.6

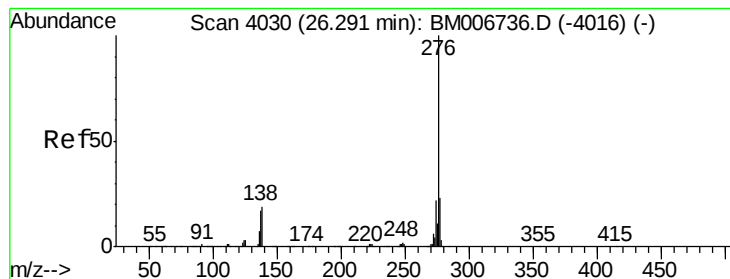


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#41

Benzo(a,h,i)perylene

Concen: 1.53 ng/ul

RT: 26.29 min Scan# 4030

Delta R.T. -0.00 min

Lab File: BM006799.D

Acq: 31 Jul 2016 21:40

Instrument :

BNA_M

ClientSampleId :

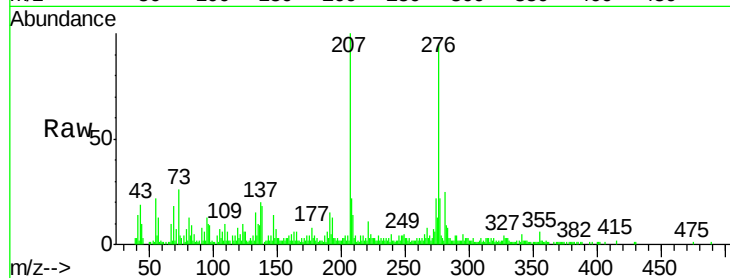
Tot Ion:276 Resp: 104214

Ion Ratio Lower Upper

276 100

138 18.5 13.9 20.9

277 23.7 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

