

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006639.D
 Acq On : 23 Jul 2016 00:17
 Operator : UM/SJ
 Sample : H4076-21
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YQ4

Quant Time: Jul 23 01:12:39 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	7.62	152	179045	20.00	ng/ul	0.00
7) Naphthalene-d8	10.40	136	813408	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	458503	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.03	188	1011631	20.00	ng/ul	0.01
29) Chrysene-d12	21.23	240	1010963	20.00	ng/ul	0.00
34) Perylene-d12	23.44	264	1062623	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	10424	2.35	ng/uL	0.00
3) Phenol-d5	6.80	99	431969	28.36	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	266190	28.21	ng/ul	0.00
5) 2-Chlorophenol-d4	7.16	132	335984	27.60	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	183416	15.53	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	169986	27.61	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	182615	27.89	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	319215	25.80	ng/ul	0.01
12) 4-Chloroaniline-d4	10.55	131	226344	16.61	ng/ul	0.01
16) Dimethylphthalate-d6	13.69	166	997554	27.75	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1277077	27.83	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	168920	27.05	ng/ul	0.02
21) Fluorene-d10	15.27	176	903268	28.09	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	15.42	200	44048	8.39	ng/ul	0.01
26) Anthracene-d10	17.13	188	1316259	27.40	ng/ul	0.01
30) Pyrene-d10	19.43	212	1419865	30.82	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.30	264	1282109	26.23	ng/ul	0.02

Target Compounds

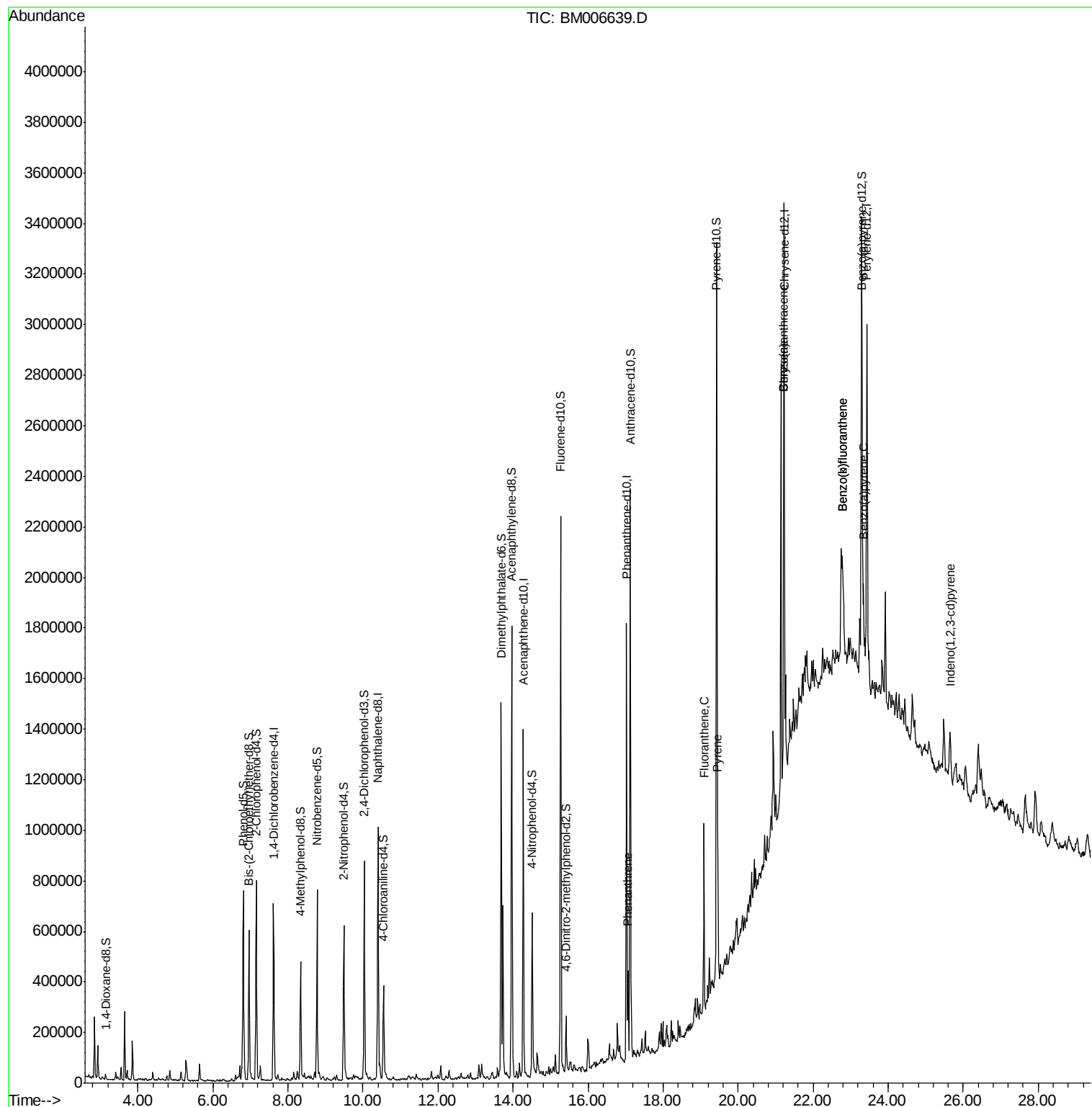
						Qvalue
25) Phenanthrene	17.07	178	184749	3.25	ng/ul	99
28) Fluoranthene	19.09	202	429896	6.43	ng/ul	99
31) Pyrene	19.46	202	372154	6.08	ng/ul	97
32) Benzo(a)anthracene	21.21	228	217063	3.54	ng/ul	96
33) Chrysene	21.21	228	217063	3.84	ng/ul	98
35) Benzo(b)fluoranthene	22.77	252	353374	5.55	ng/ul#	94
36) Benzo(k)fluoranthene	22.77	252	353374	5.74	ng/ul#	93
38) Benzo(a)pyrene	23.34	252	206005	3.32	ng/ul#	92
39) Indeno(1,2,3-cd)pyrene	25.65	276	179522	2.50	ng/ul	94

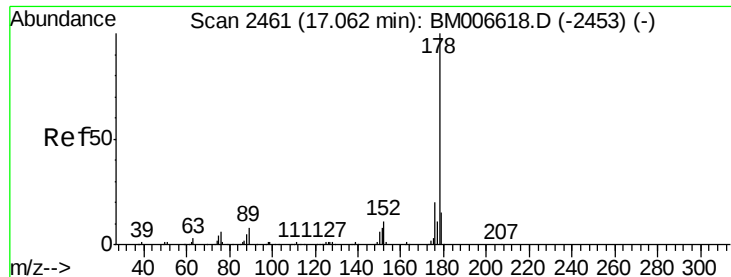
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 3.25 ng/ul

RT: 17.07 min Scan# 2462

Delta R.T. 0.01 min

Lab File: BM006639.D

Acq: 23 Jul 2016 00:17

Instrument :

BNA_M

ClientSampleId :

D9YQ4

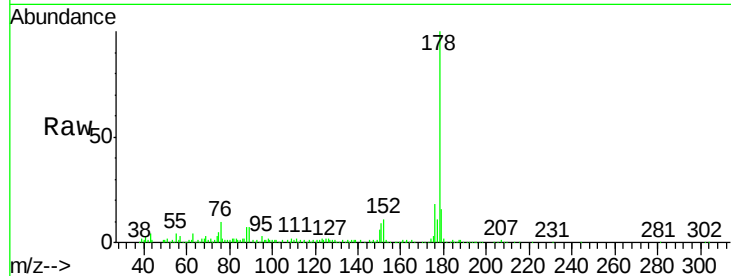
Tgt Ion:178 Resp: 184749

Ion Ratio Lower Upper

178 100

179 15.8 11.8 17.8

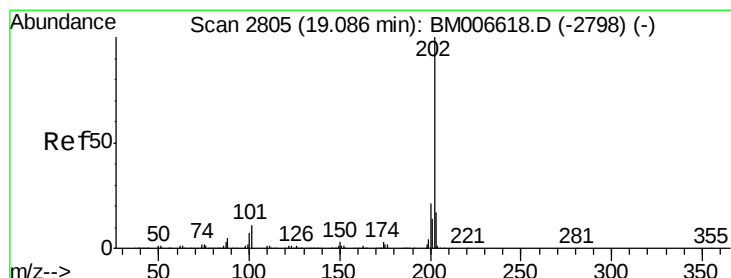
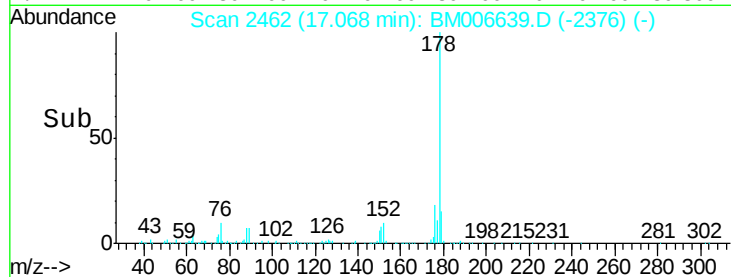
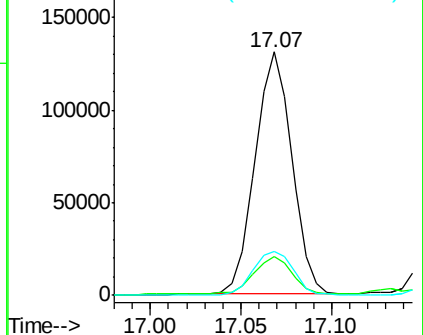
176 18.2 14.8 22.2



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: 6.43 ng/ul

RT: 19.09 min Scan# 2806

Delta R.T. 0.01 min

Lab File: BM006639.D

Acq: 23 Jul 2016 00:17

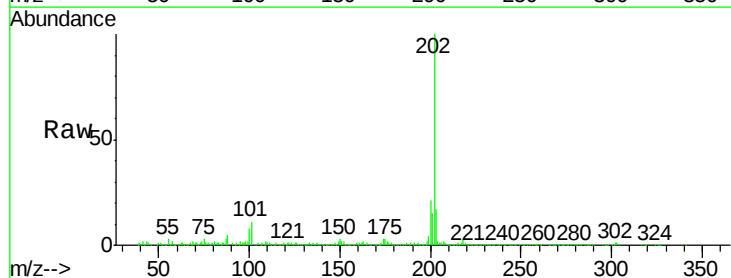
Tgt Ion:202 Resp: 429896

Ion Ratio Lower Upper

202 100

101 11.3 8.9 13.3

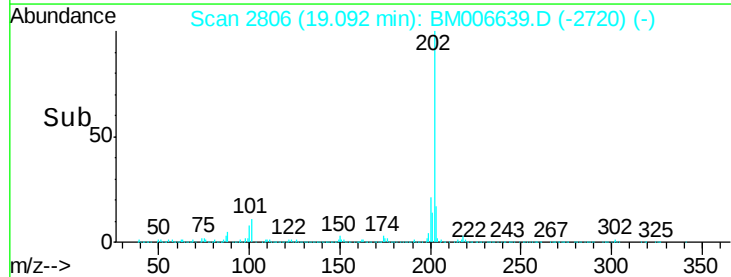
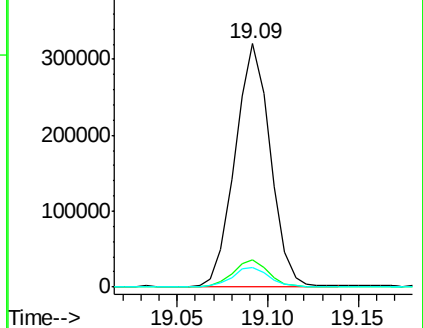
100 7.9 7.0 10.4

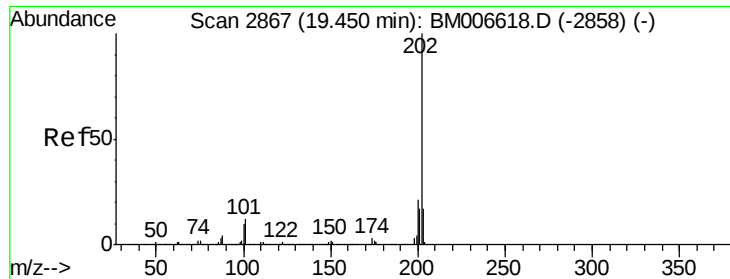


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 6.08 ng/ul

RT: 19.46 min Scan# 2868

Delta R.T. 0.01 min

Lab File: BM006639.D

Acq: 23 Jul 2016 00:17

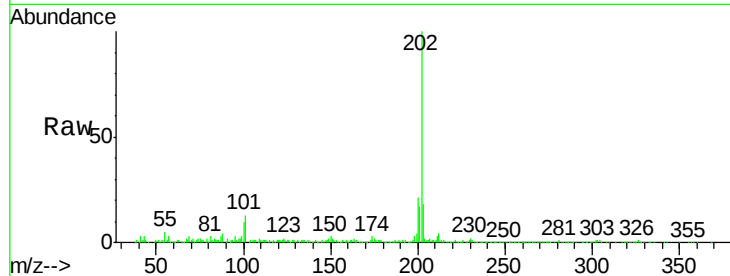
Instrument :

BNA_M

ClientSampleId :

D9YQ4

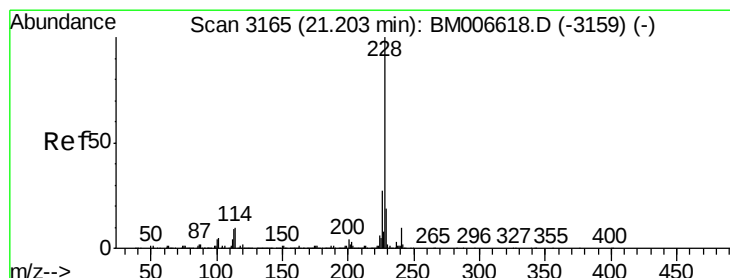
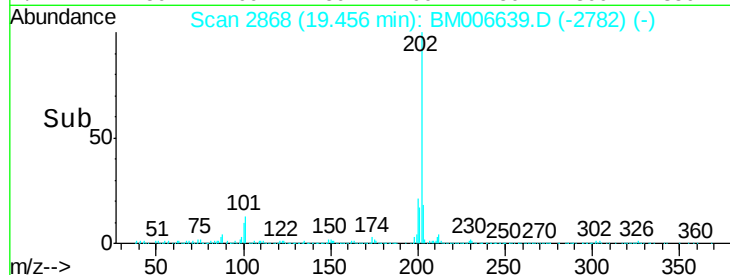
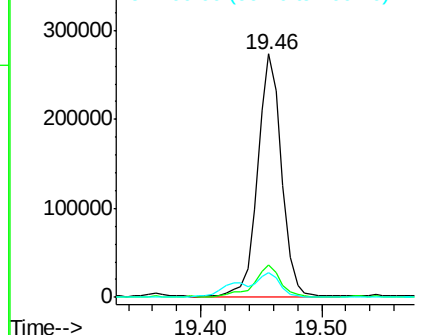
Tgt Ion:	202	Resp:	372154
Ion	Ratio	Lower	Upper
202	100		
101	13.3	9.8	14.8
100	10.4	9.3	13.9



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: 3.54 ng/ul

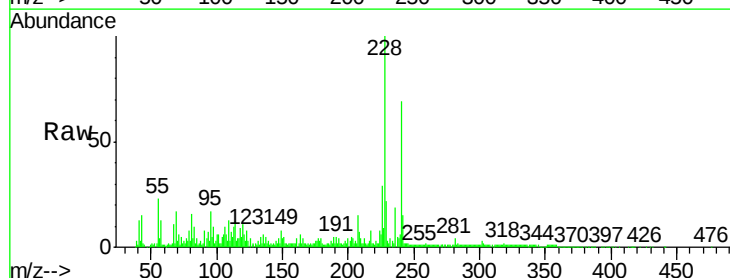
RT: 21.21 min Scan# 3166

Delta R.T. 0.01 min

Lab File: BM006639.D

Acq: 23 Jul 2016 00:17

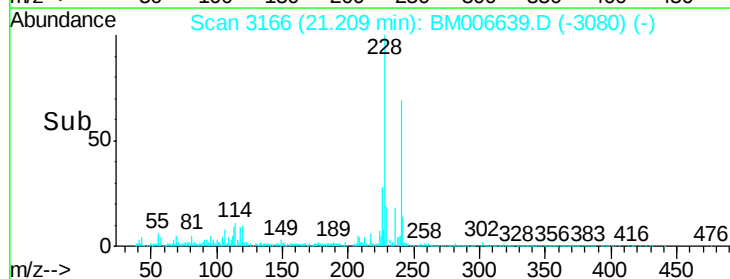
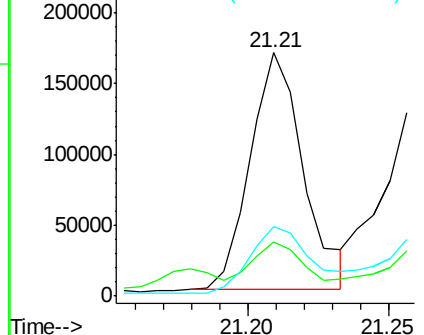
Tgt Ion:	228	Resp:	217063
Ion	Ratio	Lower	Upper
228	100		
229	22.2	16.6	25.0
226	28.8	21.0	31.4

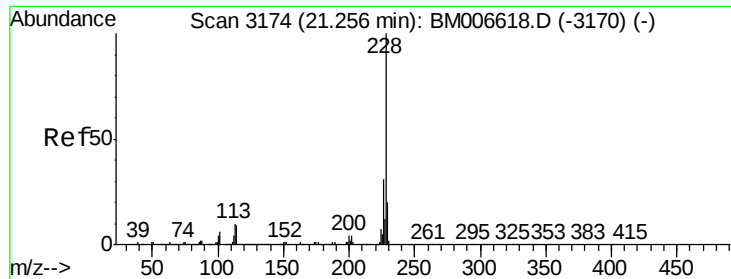


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 3.84 ng/ul

RT: 21.21 min Scan# 3166

Delta R.T. -0.05 min

Lab File: BM006639.D

Acq: 23 Jul 2016 00:17

Instrument :

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ClientSampleId :

D9YQ4

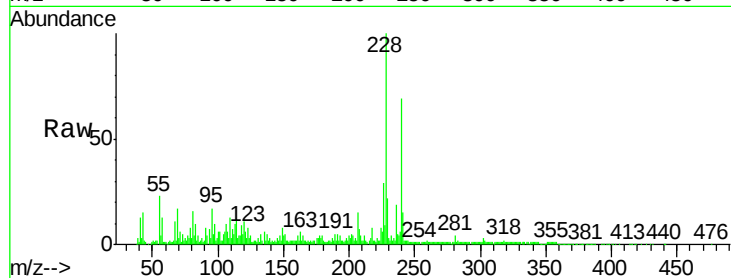
Tgt Ion:228 Resp: 217063

Ion Ratio Lower Upper

228 100

226 28.8 23.4 35.2

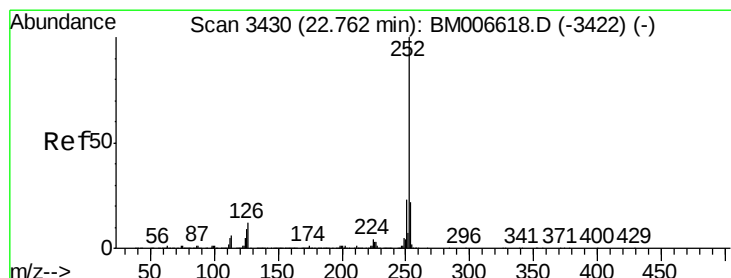
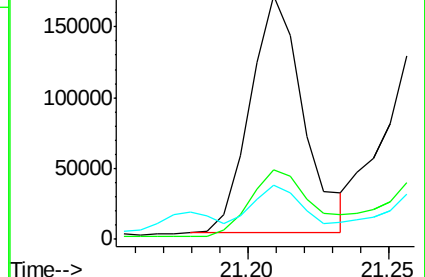
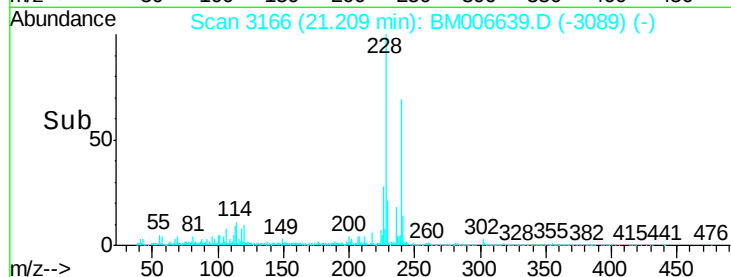
229 22.2 16.2 24.2



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: 5.55 ng/ul

RT: 22.77 min Scan# 3432

Delta R.T. 0.01 min

Lab File: BM006639.D

Acq: 23 Jul 2016 00:17

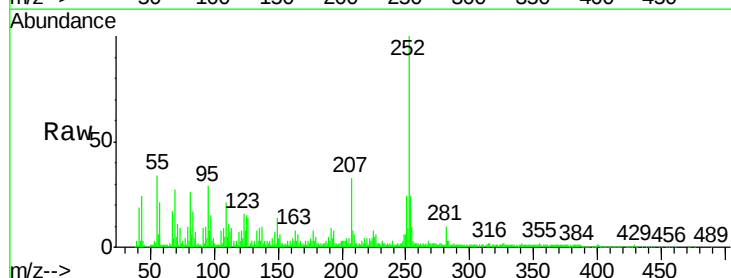
Tgt Ion:252 Resp: 353374

Ion Ratio Lower Upper

252 100

253 23.7 18.1 27.1

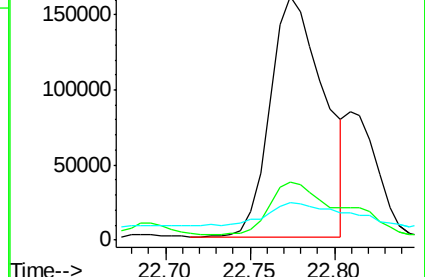
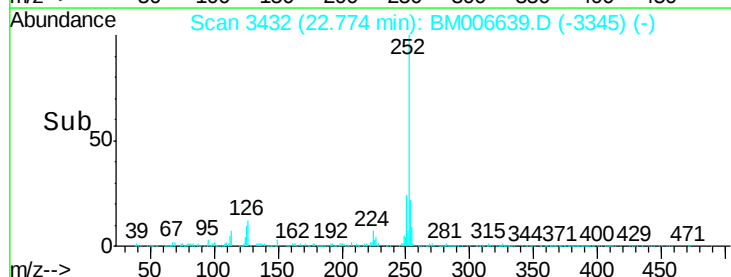
125 15.2 7.6 11.4#

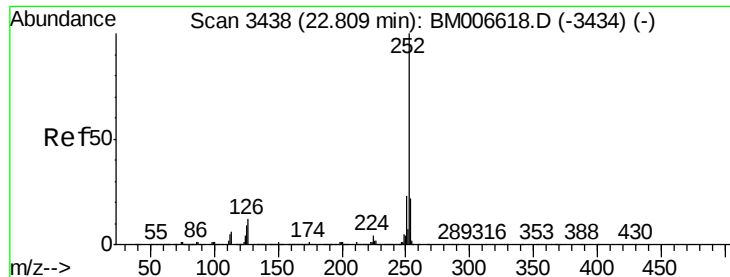


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 5.74 ng/uI

RT: 22.77 min Scan# 3432

Delta R.T. -0.04 min

Lab File: BM006639.D

Acq: 23 Jul 2016 00:17

Instrument :

BNA_M

ClientSampleId :

D9YQ4

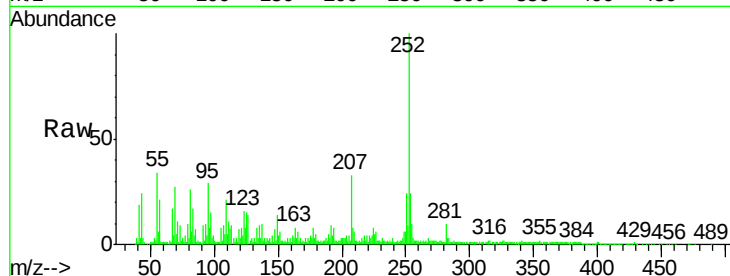
Tgt Ion:252 Resp: 353374

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.8

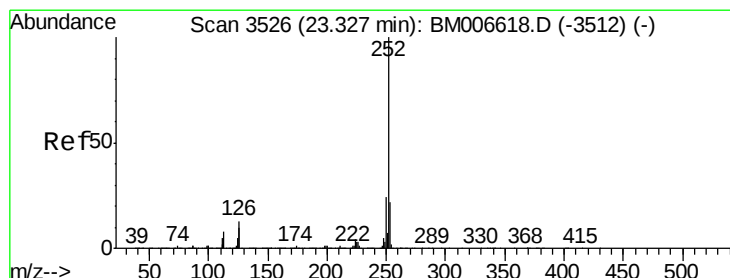
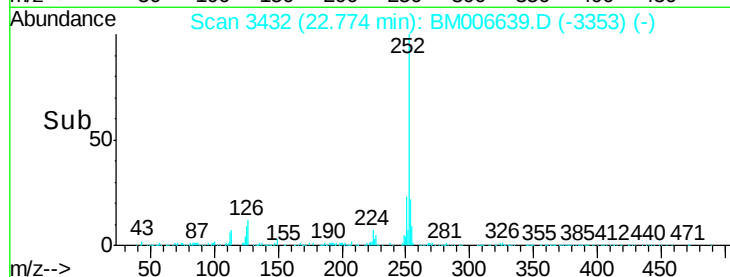
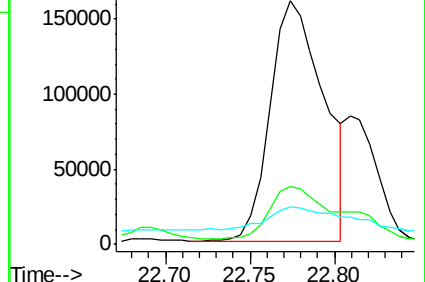
125 15.2 7.7 11.5#



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: 3.32 ng/uI

RT: 23.34 min Scan# 3528

Delta R.T. 0.01 min

Lab File: BM006639.D

Acq: 23 Jul 2016 00:17

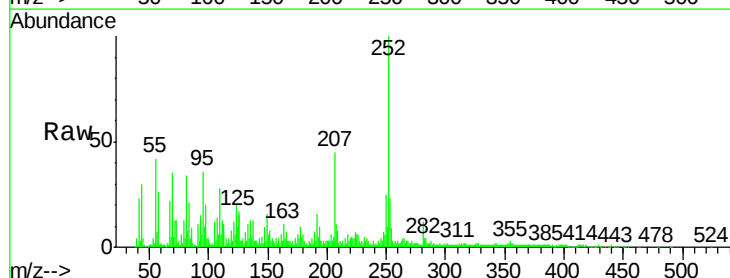
Tgt Ion:252 Resp: 206005

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

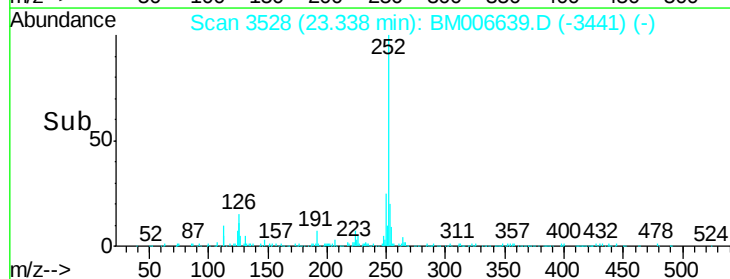
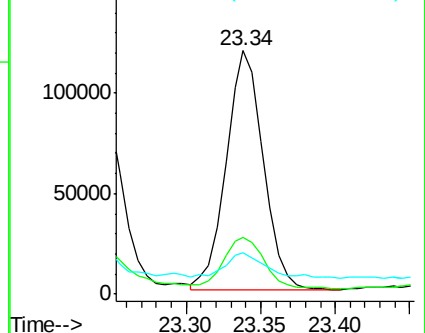
125 17.1 8.2 12.2#

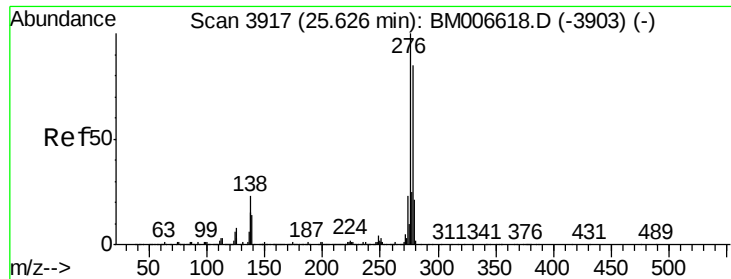


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.50 ng/ul

RT: 25.65 min Scan# 3921

Delta R.T. 0.02 min

Lab File: BM006639.D

Acq: 23 Jul 2016 00:17

Instrument :

BNA_M

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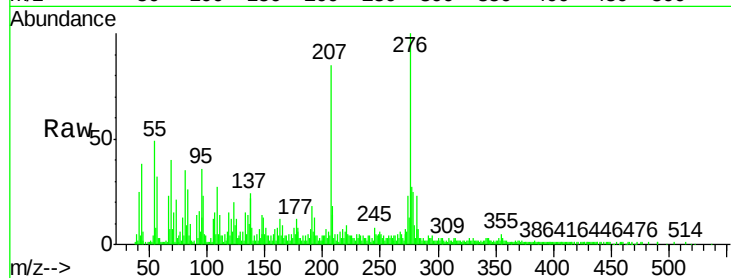
Tgt Ion: 276 Resp: 179522

Ion Ratio Lower Upper

276 100

138 22.3 15.8 23.6

277 26.6 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

