

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072116\
 Data File : BM006598.D
 Acq On : 21 Jul 2016 21:36
 Operator : UM/SJ
 Sample : H4077-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YR5

Quant Time: Jul 22 01:57:21 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	155515	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	691903	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	404339	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.11	188	727367	20.00	ng/ul	0.09
29) Chrysene-d12	21.22	240	1095899	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1143216	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	5267	1.37	ng/uL	0.00
3) Phenol-d5	6.79	99	196680	14.87	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	137833	16.82	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	162298	15.35	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	124638	12.15	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	83162	15.88	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	87847	15.77	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	158300	15.04	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	185401	15.99	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	533612	16.83	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	671373	16.59	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	65527	11.90	ng/ul	0.00
21) Fluorene-d10	15.26	176	484775	17.10	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.48	200	175	0.05	ng/ul	0.09
26) Anthracene-d10	17.11	188	727367	21.06	ng/ul	0.00
30) Pyrene-d10	19.42	212	861041	17.24	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	897729	17.07	ng/ul	0.00

Target Compounds

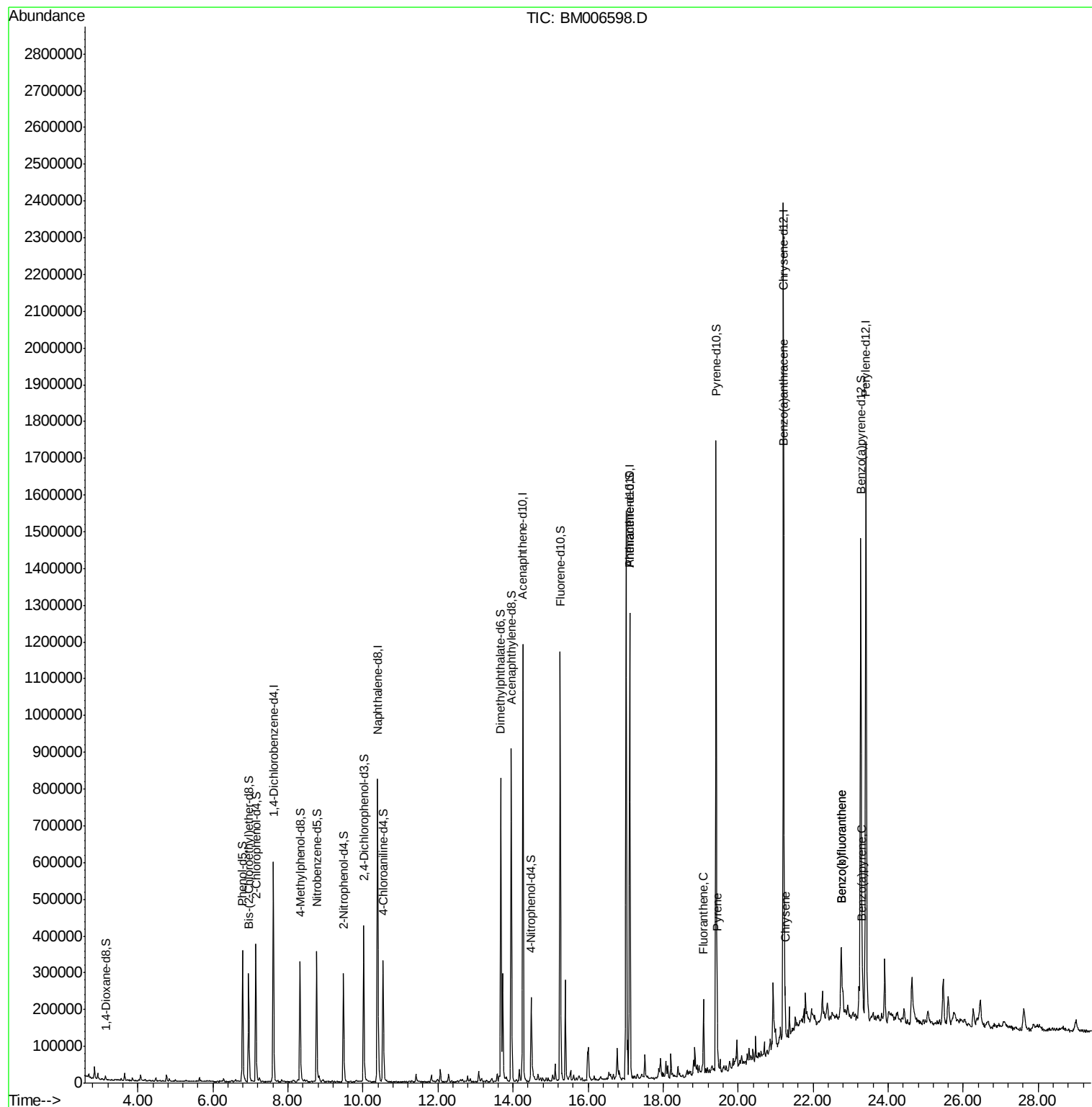
						Qvalue
28) Fluoranthene	19.08	202	113140	2.35	ng/ul	97
31) Pyrene	19.44	202	103904	1.57	ng/ul	98
32) Benzo(a)anthracene	21.20	228	71531	1.08	ng/ul	95
33) Chrysene	21.25	228	82530	1.35	ng/ul	98
35) Benzo(b)fluoranthene	22.76	252	115853	1.69	ng/ul	98
36) Benzo(k)fluoranthene	22.76	252	115853	1.75	ng/ul	98
38) Benzo(a)pyrene	23.31	252	78002	1.17	ng/ul	97

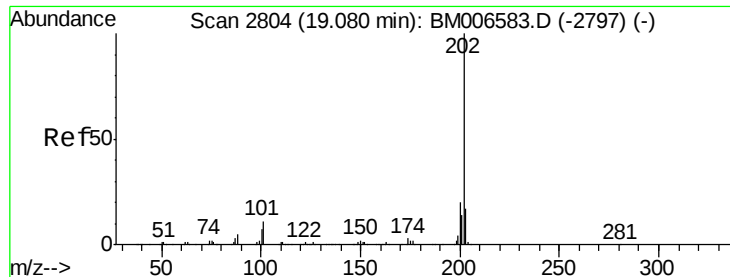
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Fluoranthene

Concen: 2.35 ng/ul

RT: 19.08 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BM006598.D

Acq: 21 Jul 2016 21:36

Instrument :

BNA_M

ClientSampleId :

D9YR5

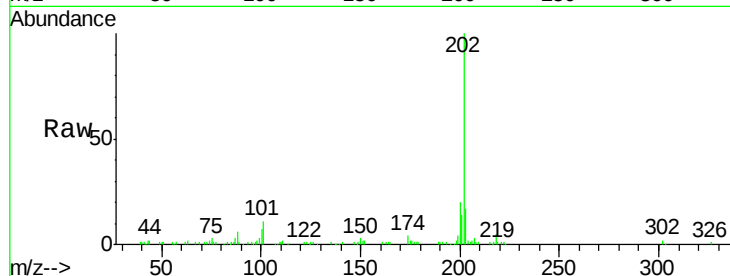
Tgt Ion:202 Resp: 113140

Ion Ratio Lower Upper

202 100

101 10.6 8.9 13.3

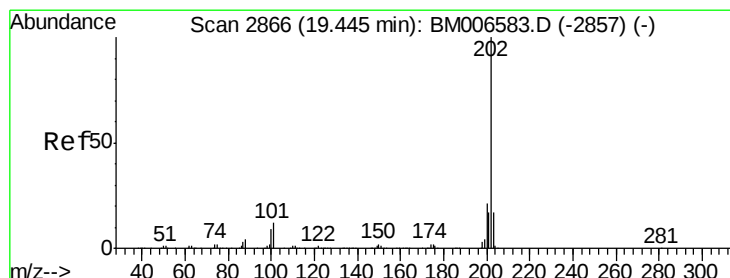
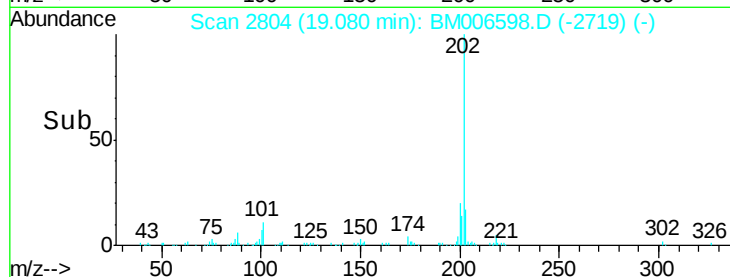
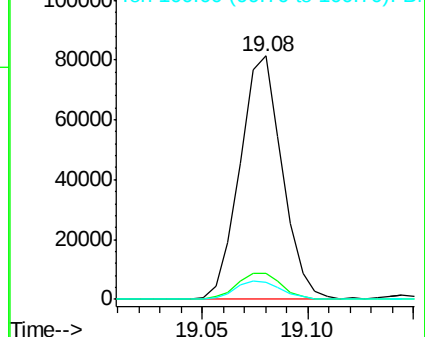
100 7.2 7.0 10.4



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: 1.57 ng/ul

RT: 19.44 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BM006598.D

Acq: 21 Jul 2016 21:36

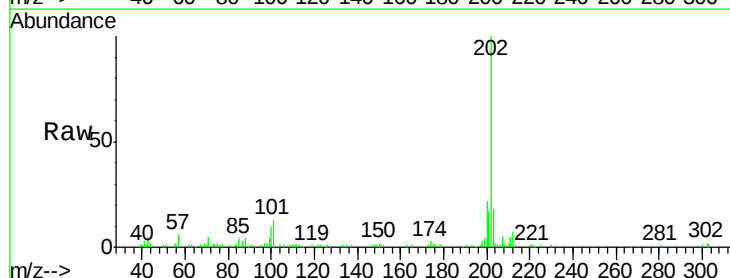
Tgt Ion:202 Resp: 103904

Ion Ratio Lower Upper

202 100

101 12.9 9.8 14.8

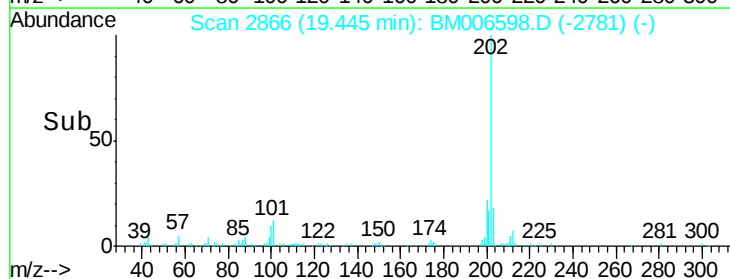
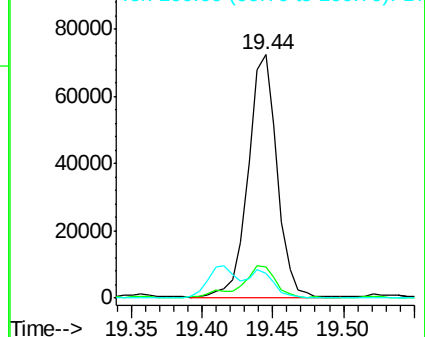
100 10.4 9.3 13.9

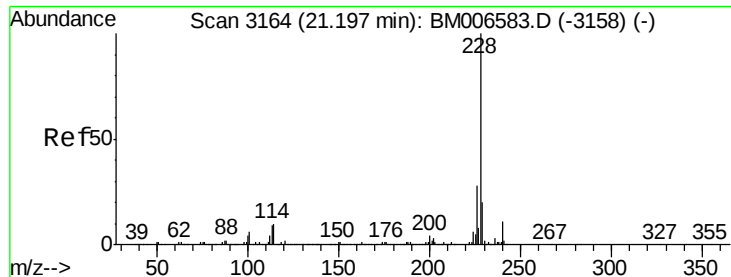


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 1.08 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM006598.D

Acq: 21 Jul 2016 21:36

Instrument :

BNA_M

ClientSampleId :

D9YR5

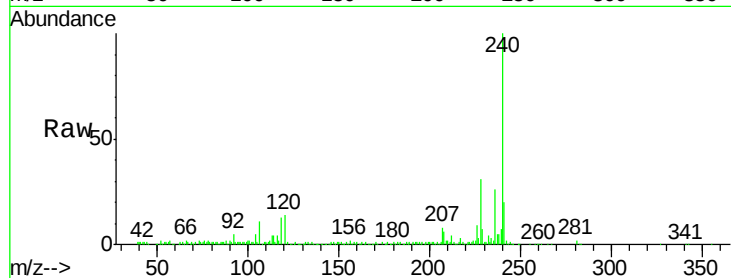
Tgt Ion:228 Resp: 71531

Ion Ratio Lower Upper

228 100

229 22.6 16.6 25.0

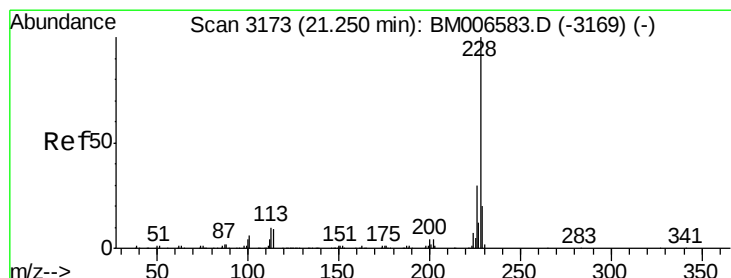
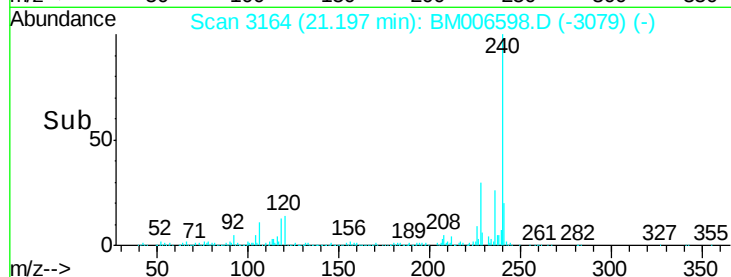
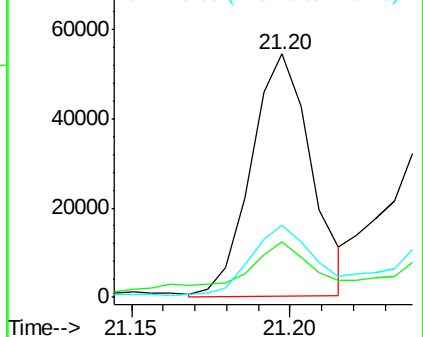
226 29.6 21.0 31.4



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: 1.35 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BM006598.D

Acq: 21 Jul 2016 21:36

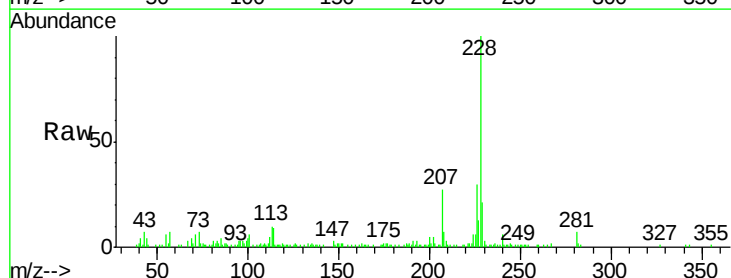
Tgt Ion:228 Resp: 82530

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

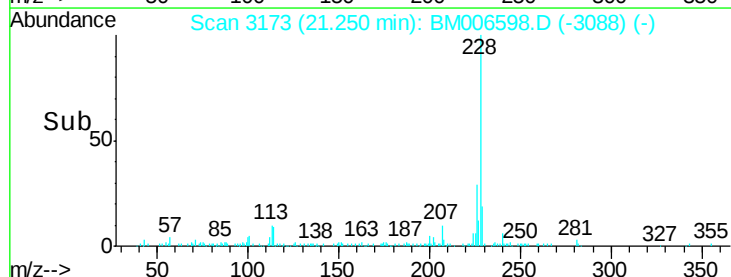
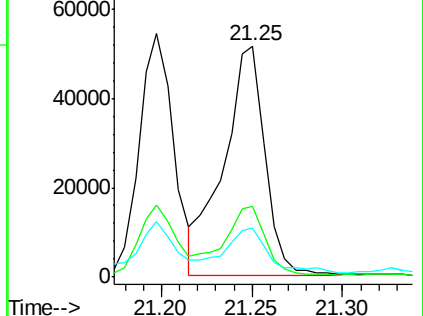
229 21.0 16.2 24.2

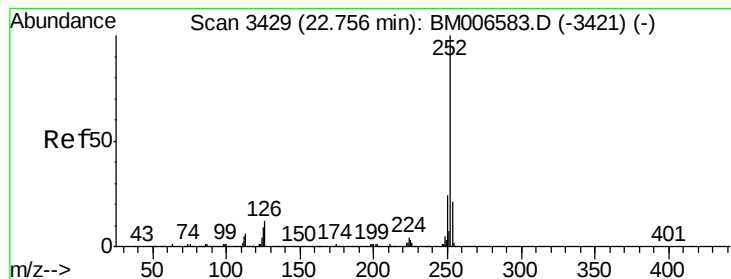


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 1.69 ng/ul

RT: 22.76 min Scan# 3429

Delta R.T. 0.00 min

Lab File: BM006598.D

Acq: 21 Jul 2016 21:36

Instrument :

BNA_M

ClientSampleId :

D9YR5

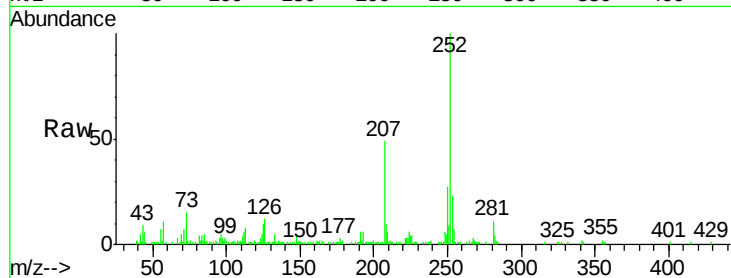
Tgt Ion:252 Resp: 115853

Ion Ratio Lower Upper

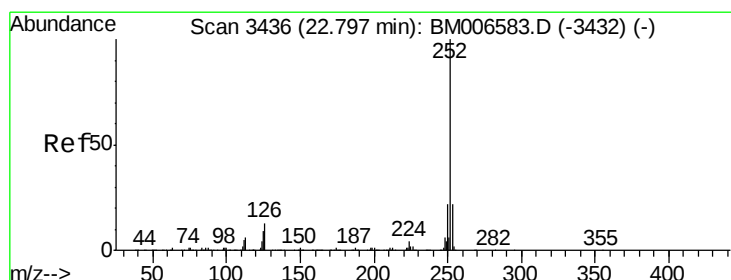
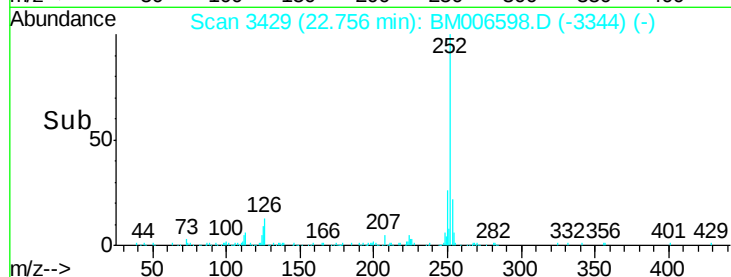
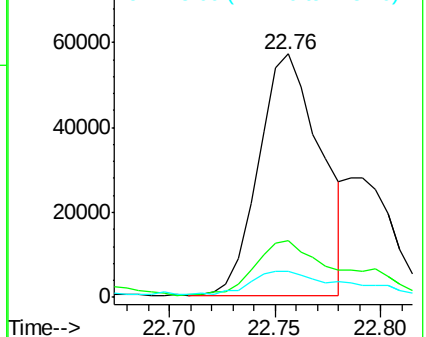
252 100

253 23.4 18.1 27.1

125 10.5 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: 1.75 ng/ul

RT: 22.76 min Scan# 3429

Delta R.T. -0.04 min

Lab File: BM006598.D

Acq: 21 Jul 2016 21:36

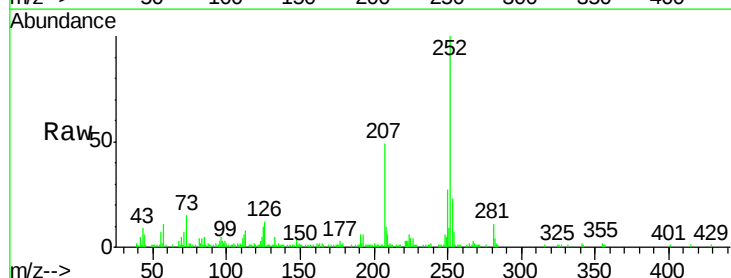
Tgt Ion:252 Resp: 115853

Ion Ratio Lower Upper

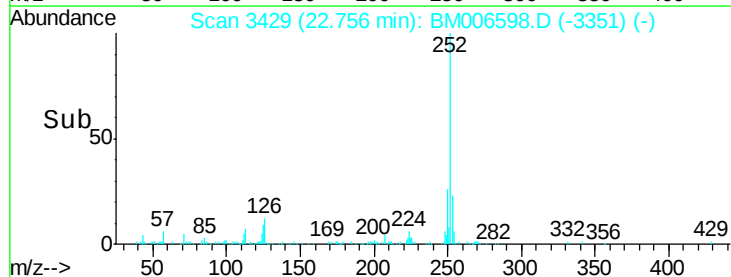
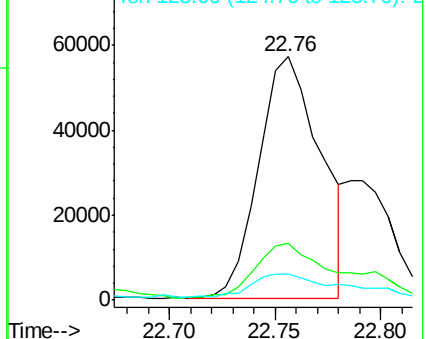
252 100

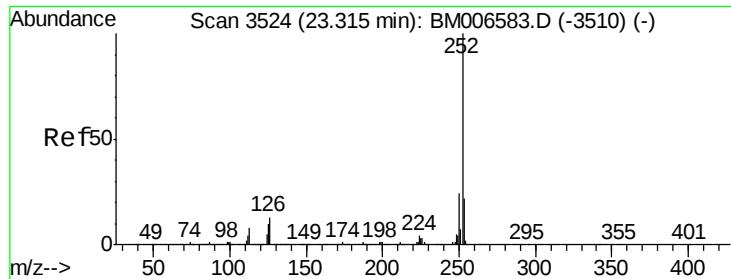
253 23.4 17.8 26.8

125 10.5 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: 1.17 ng/ul

RT: 23.31 min Scan# 3524

Delta R.T. 0.00 min

Lab File: BM006598.D

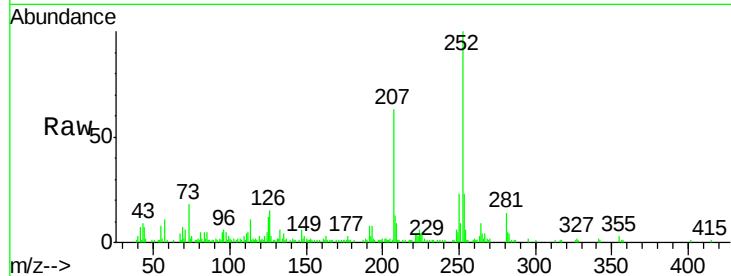
Acq: 21 Jul 2016 21:36

Instrument :

BNA_M

ClientSampleId :

D9YR5



Tgt Ion: 252 Resp: 78002

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 11.7 8.2 12.2

