

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073016\
 Data File : BM006784.D
 Acq On : 31 Jul 2016 11:54
 Operator : UM/SJ
 Sample : H4188-23
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 04:27:02 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	134789	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	594160	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	345793	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	797233	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	923699	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	958620	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	4726	1.42	ng/uL	0.00
3) Phenol-d5	6.79	99	174582	15.22	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	124996	17.60	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	150337	16.41	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	102101	11.48	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	74699	16.61	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	82327	17.21	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.01	165	145059	16.05	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	189181	19.01	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	483257	17.82	ng/ul	0.00
17) Acenaphthylene-d8	13.94	160	608512	17.58	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	56632	12.03	ng/ul	0.00
21) Fluorene-d10	15.25	176	441394	18.20	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	50503	12.20	ng/ul	0.00
26) Anthracene-d10	17.10	188	680193	17.97	ng/ul	0.00
30) Pyrene-d10	19.41	212	795443	18.90	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	807205	18.31	ng/ul	0.00

Target Compounds

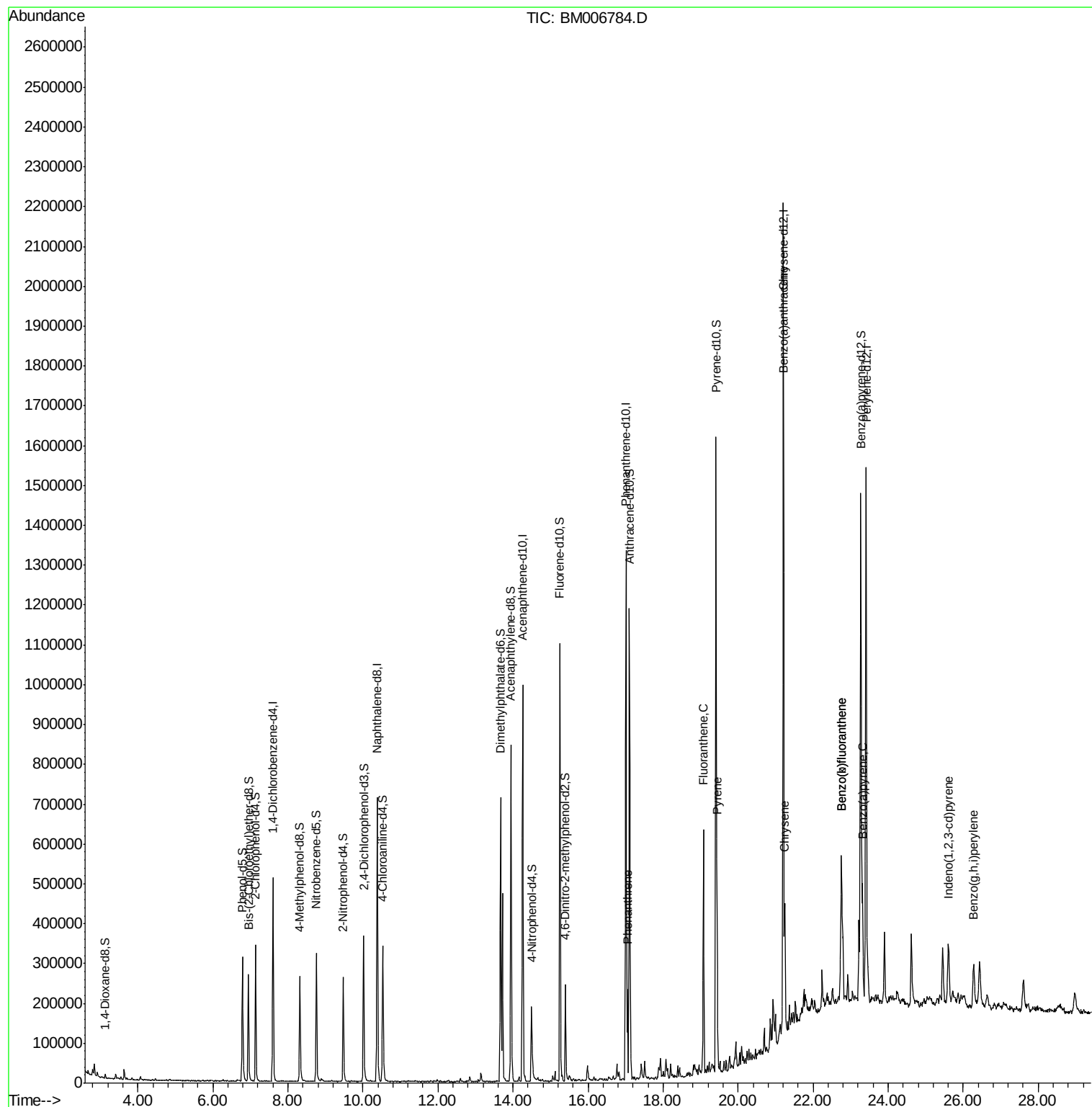
						Ovalue
25) Phenanthrene	17.05	178	134986	3.01	ng/ul	99
28) Fluoranthene	19.07	202	361299	6.86	ng/ul	99
31) Pyrene	19.44	202	299771	5.36	ng/ul	98
32) Benzo(a)anthracene	21.20	228	183248	3.27	ng/ul	97
33) Chrysene	21.24	228	188636	3.65	ng/ul	97
35) Benzo(b)fluoranthene	22.76	252	300468	5.23	ng/ul	98
36) Benzo(k)fluoranthene	22.76	252	300468	5.41	ng/ul	98
38) Benzo(a)pyrene	23.31	252	184975	3.31	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.61	276	151133	2.33	ng/ul	97
41) Benzo(g,h,i)perylene	26.29	276	126346	2.28	ng/ul	97

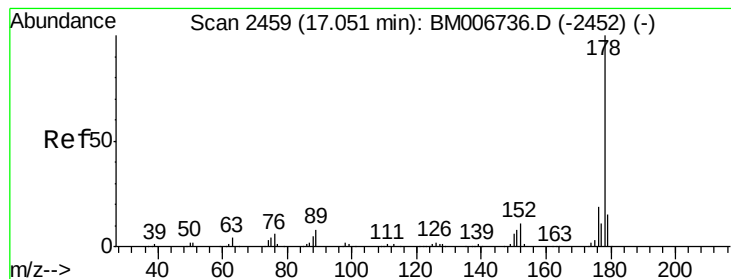
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 3.01 ng/ul

RT: 17.05 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BM006784.D

Acq: 31 Jul 2016 11:54

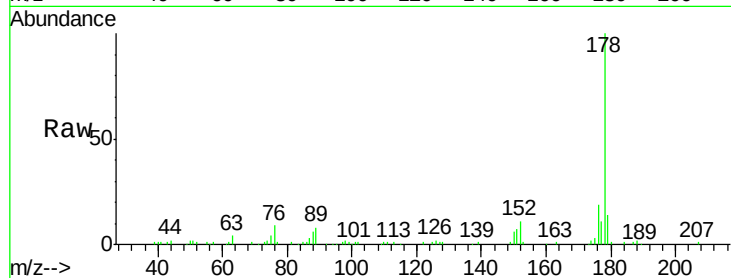
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 134986

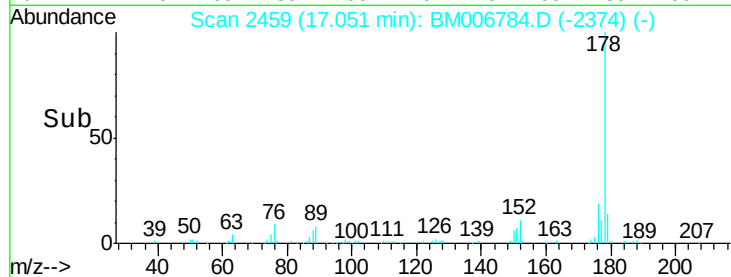
Ion	Ratio	Lower	Upper
178	100		
179	14.3	11.8	17.8
176	18.8	14.8	22.2



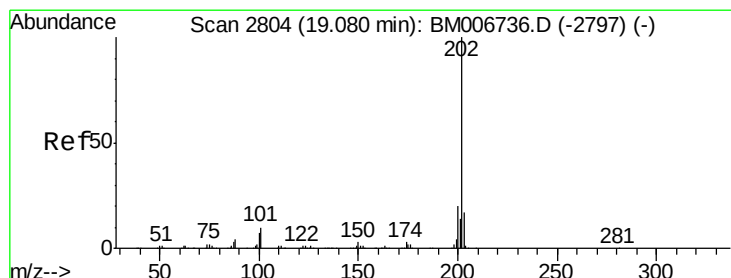
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#28

Fluoranthene

Concen: 6.86 ng/ul

RT: 19.07 min Scan# 2803

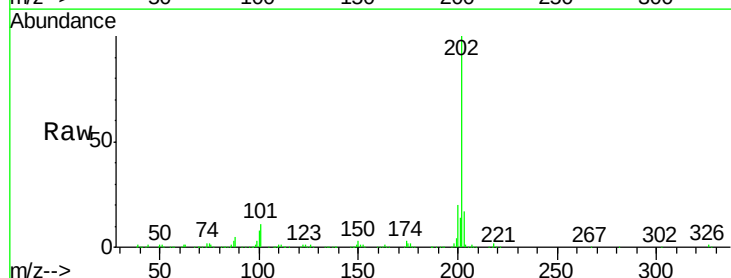
Delta R.T. -0.01 min

Lab File: BM006784.D

Acq: 31 Jul 2016 11:54

Tgt Ion:202 Resp: 361299

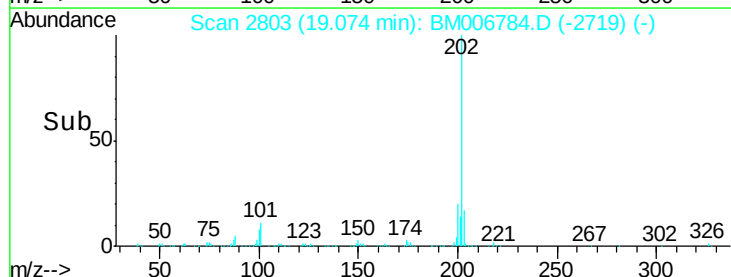
Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.9	13.3
100	8.3	7.0	10.4



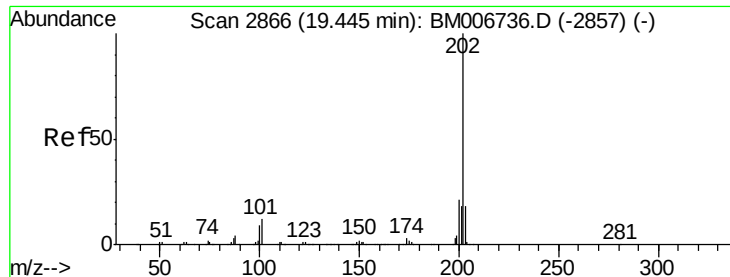
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#31

Pvrene

Concen: 5.36 ng/ul

RT: 19.44 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BM006784.D

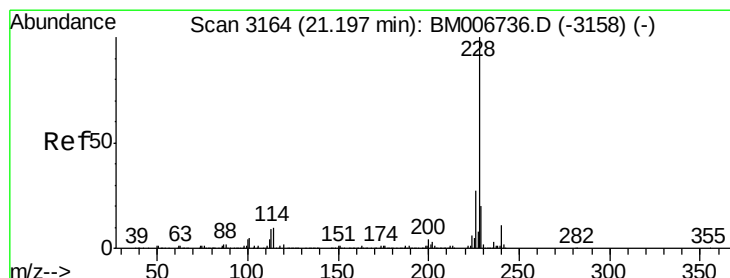
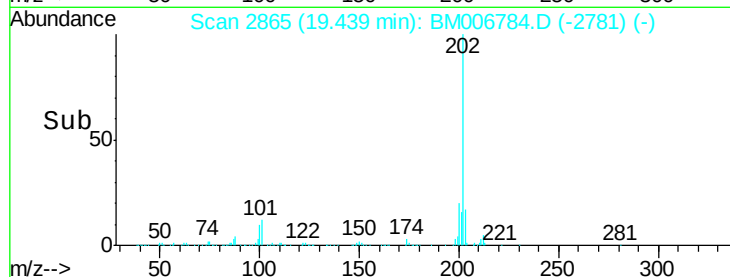
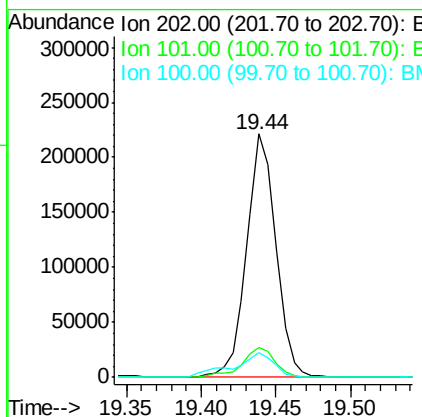
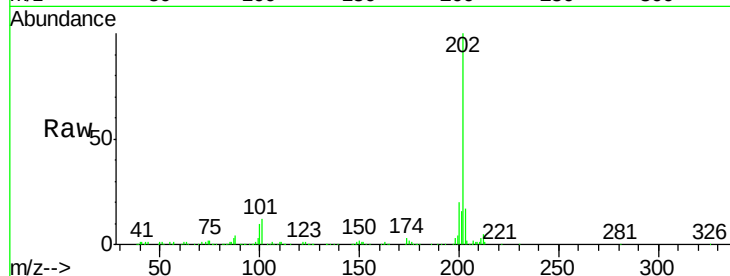
Acq: 31 Jul 2016 11:54

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	202	Resp:	299771
Ion	Ratio	Lower	Upper
202	100		
101	12.4	9.8	14.8
100	10.0	9.3	13.9



#32

Benzo(a)anthracene

Concen: 3.27 ng/ul

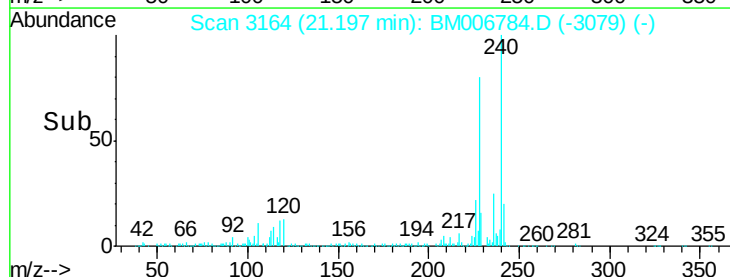
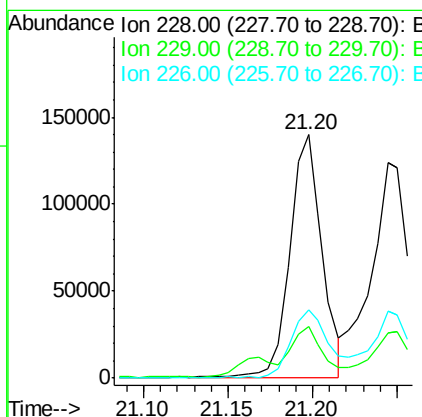
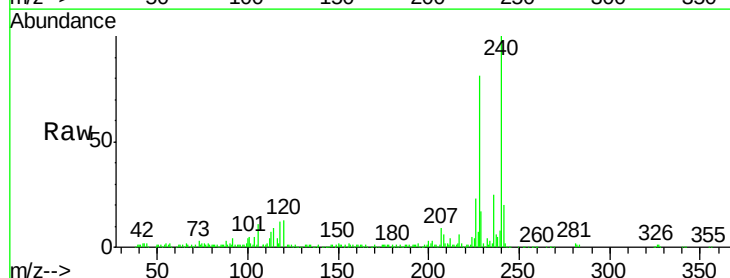
RT: 21.20 min Scan# 3164

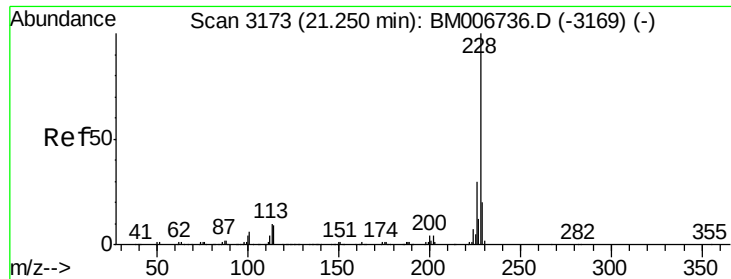
Delta R.T. -0.00 min

Lab File: BM006784.D

Acq: 31 Jul 2016 11:54

Tgt Ion:	228	Resp:	183248
Ion	Ratio	Lower	Upper
228	100		
229	21.2	16.6	25.0
226	28.2	21.0	31.4





#33

Chrysene

Concen: 3.65 ng/ul

RT: 21.24 min Scan# 3172

Delta R.T. -0.01 min

Lab File: BM006784.D

Acq: 31 Jul 2016 11:54

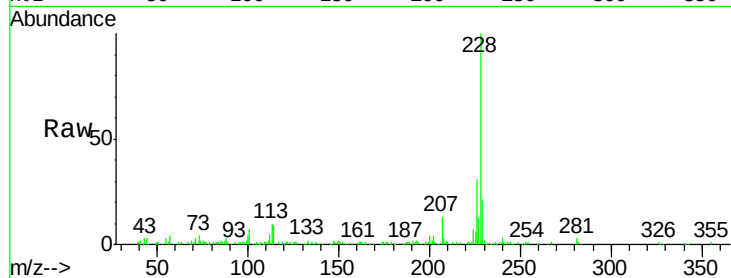
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 188636

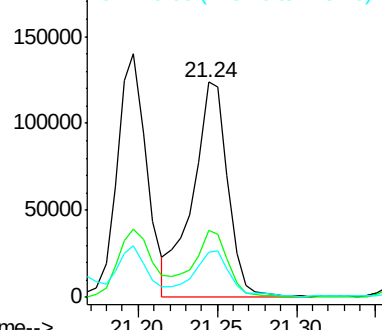
Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.4	35.2
229	20.9	16.2	24.2



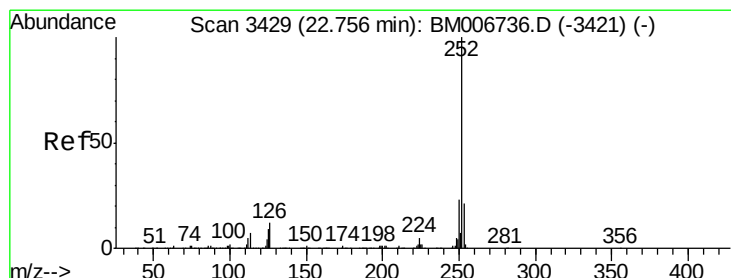
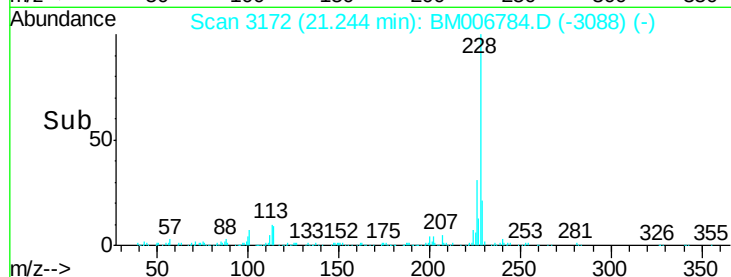
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#35

Benzo(b)fluoranthene

Concen: 5.23 ng/ul

RT: 22.76 min Scan# 3429

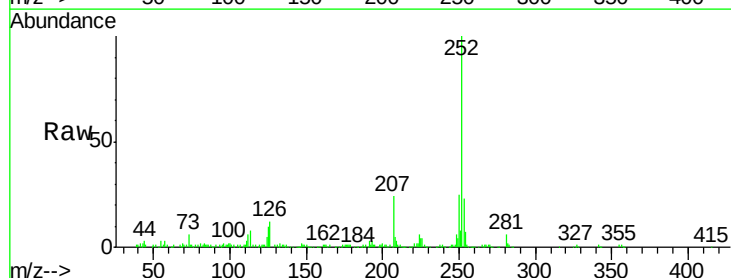
Delta R.T. -0.00 min

Lab File: BM006784.D

Acq: 31 Jul 2016 11:54

Tgt Ion:252 Resp: 300468

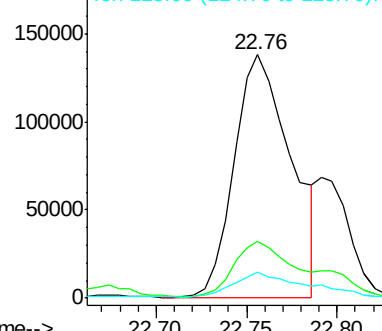
Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	10.4	7.6	11.4



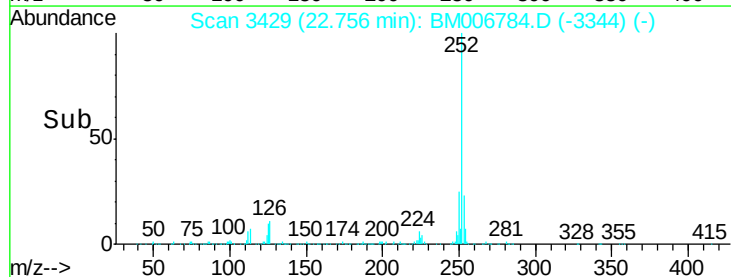
Abundance Ion 252.00 (251.70 to 252.70): E

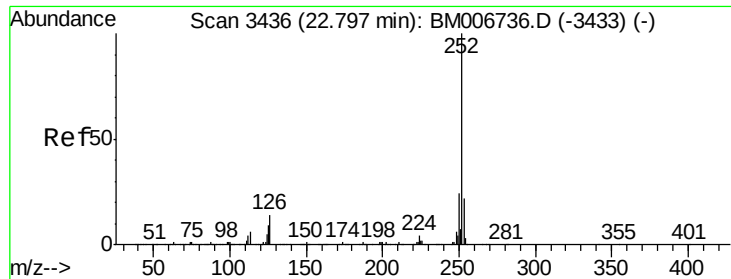
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->

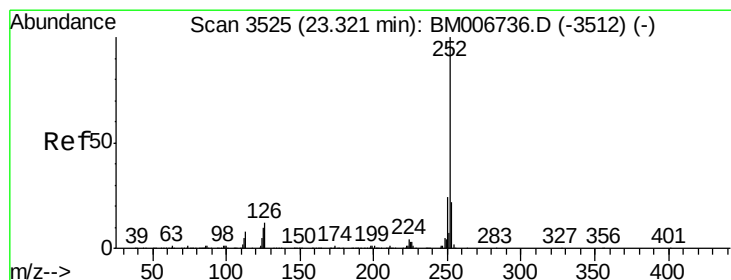
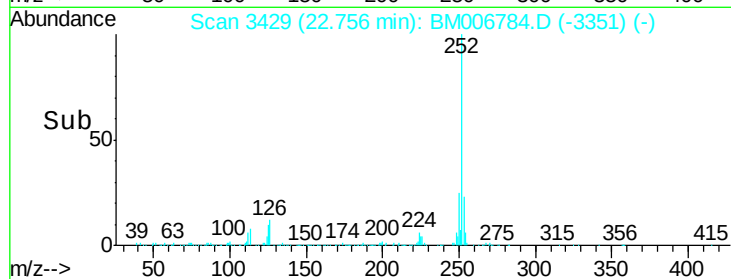
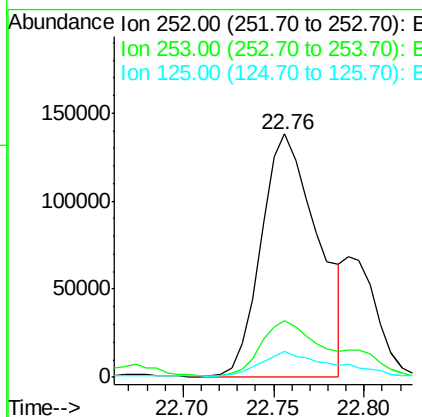
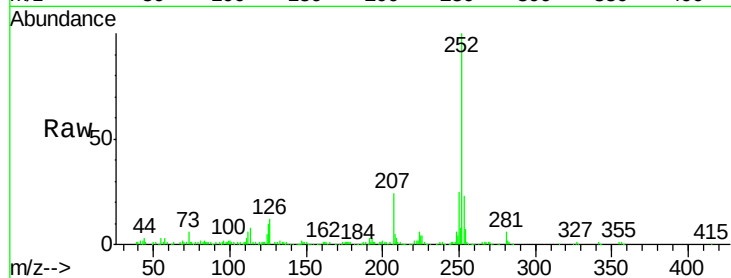




#36
Benzo(k)fluoranthene
Concen: 5.41 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. -0.04 min
Lab File: BM006784.D
Acq: 31 Jul 2016 11:54

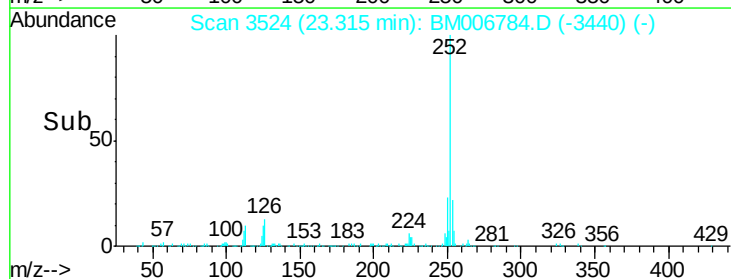
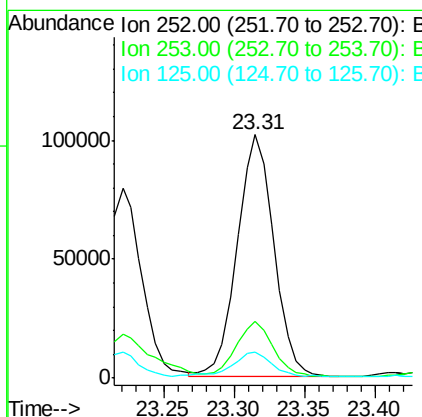
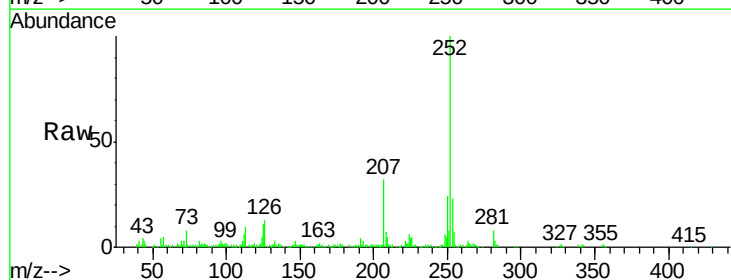
Instrument :
BNA_M
ClientSampleId :

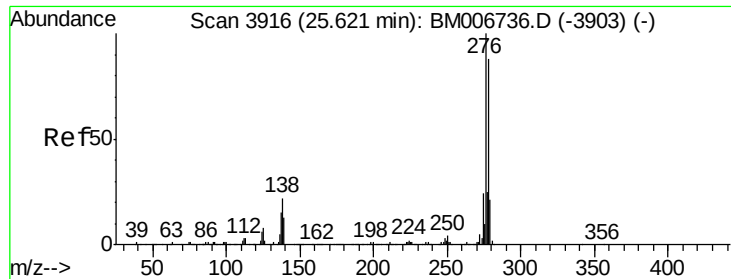
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	10.4	7.7	11.5



#38
Benzo(a)pyrene
Concen: 3.31 ng/ul
RT: 23.31 min Scan# 3524
Delta R.T. -0.01 min
Lab File: BM006784.D
Acq: 31 Jul 2016 11:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	10.7	8.2	12.2





#39

Indeno(1,2,3-cd)pyrene

Concen: 2.33 ng/ul

RT: 25.61 min Scan# 3915

Delta R.T. -0.01 min

Lab File: BM006784.D

Acq: 31 Jul 2016 11:54

Instrument :

BNA_M

ClientSampleId :

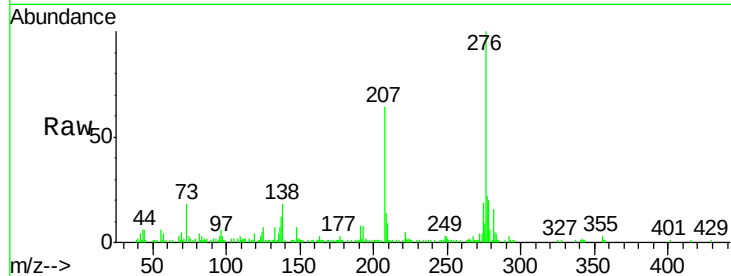
Tot Ion:276 Resp: 151133

Ion Ratio Lower Upper

276 100

138 18.3 15.8 23.6

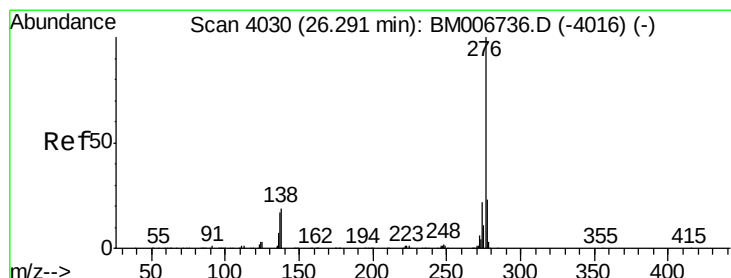
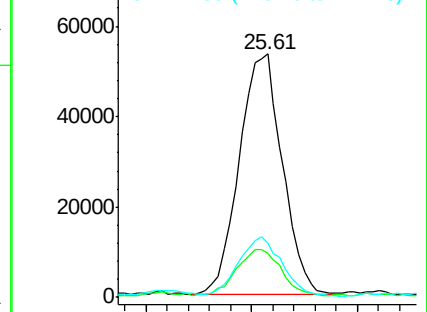
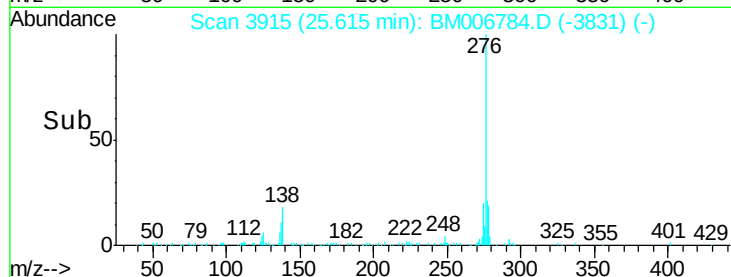
277 22.2 19.0 28.6



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: 26.29 min Scan# 4029

Delta R.T. -0.01 min

Lab File: BM006784.D

Acq: 31 Jul 2016 11:54

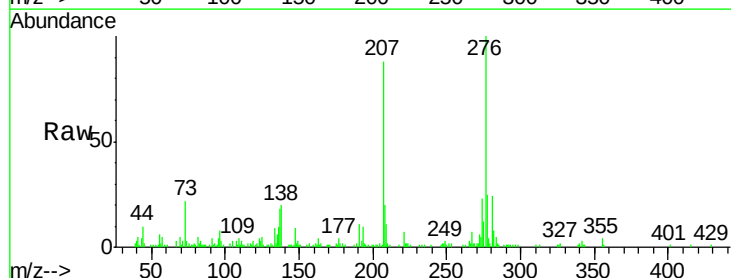
Tgt Ion:276 Resp: 126346

Ion Ratio Lower Upper

276 100

138 19.8 13.9 20.9

277 25.3 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

