

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073116\
 Data File : BM006802.D
 Acq On : 31 Jul 2016 23:30
 Operator : UM/SJ
 Sample : H4189-06
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 06:45:21 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	243168	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	1039400	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	572798	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	1271312	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	1417506	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1484097	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	8788	1.46	ng/uL	0.00
3) Phenol-d5	6.79	99	305429	14.76	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	227589	17.76	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	273508	16.55	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	165749	10.33	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	144183	18.33	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	153931	18.40	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	259696	16.43	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	313923	18.03	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	799525	17.80	ng/ul	0.00
17) Acenaphthylene-d8	13.94	160	1037699	18.10	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	86742	11.12	ng/ul	0.01
21) Fluorene-d10	15.26	176	716425	17.84	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	68872	10.44	ng/ul	0.00
26) Anthracene-d10	17.11	188	1078262	17.86	ng/ul	0.00
30) Pyrene-d10	19.42	212	1251018	19.37	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	1269288	18.59	ng/ul	0.00

Target Compounds

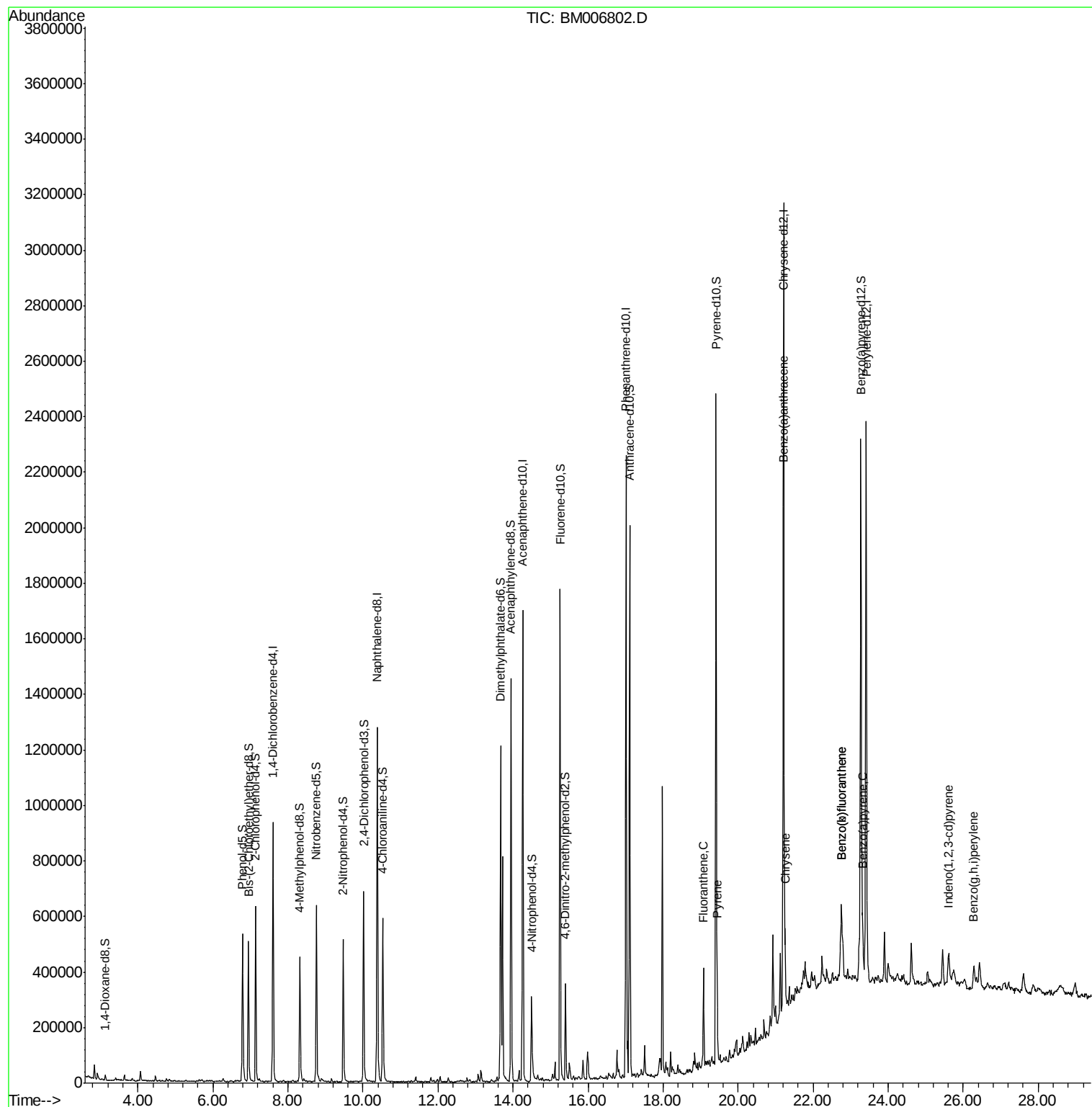
						Ovalue
28) Fluoranthene	19.07	202	200876	2.39	ng/ul	97
31) Pyrene	19.44	202	175940	2.05	ng/ul	97
32) Benzo(a)anthracene	21.20	228	116392	1.35	ng/ul	96
33) Chrysene	21.25	228	142120	1.79	ng/ul	96
35) Benzo(b)fluoranthene	22.76	252	220708	2.48	ng/ul	99
36) Benzo(k)fluoranthene	22.76	252	220708	2.57	ng/ul	100
38) Benzo(a)pyrene	23.31	252	129037	1.49	ng/ul#	93
39) Indeno(1,2,3-cd)pyrene	25.61	276	101448	1.01	ng/ul	98
41) Benzo(a,h,i)perylene	26.29	276	98774	1.15	ng/ul	98

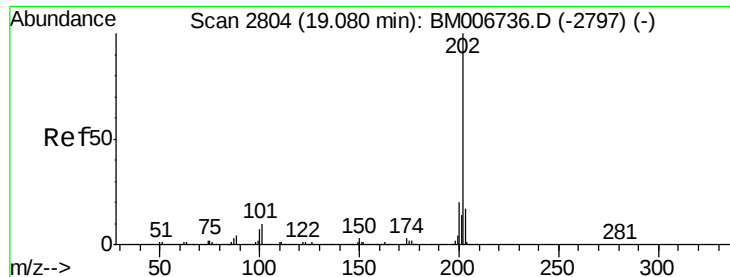
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Fluoranthene

Concen: 2.39 ng/ul

RT: 19.07 min Scan# 2803

Delta R.T. -0.01 min

Lab File: BM006802.D

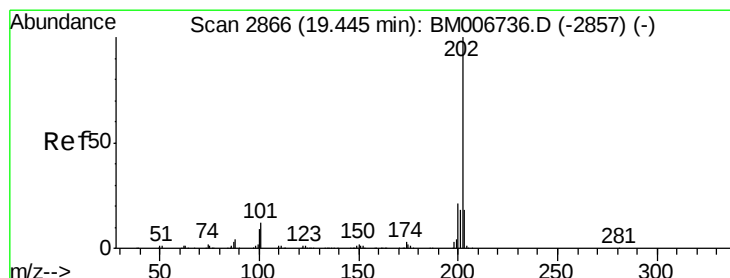
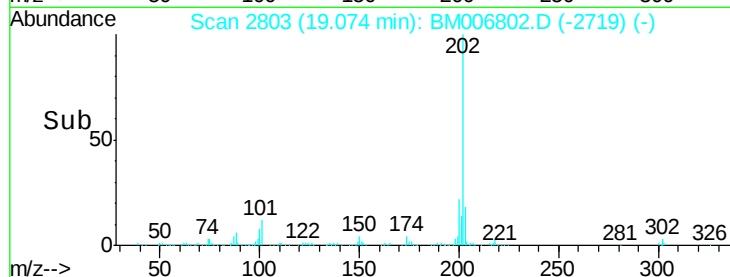
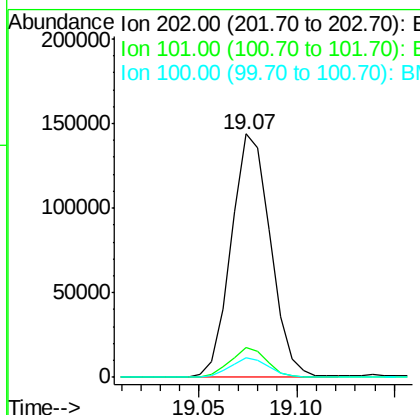
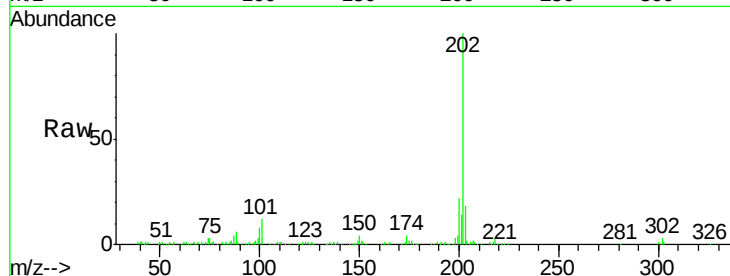
Acq: 31 Jul 2016 23:30

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	202	Resp:	200876
Ion	Ratio	Lower	Upper
202	100		
101	12.4	8.9	13.3
100	7.9	7.0	10.4



#31

Pyrene

Concen: 2.05 ng/ul

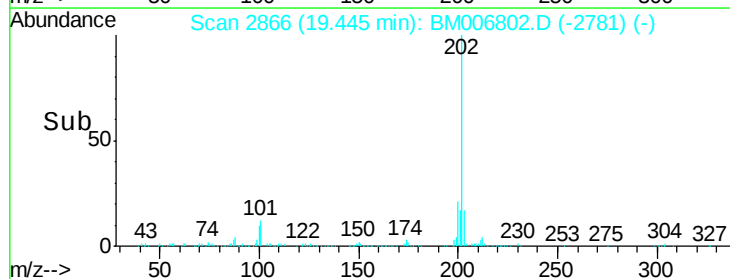
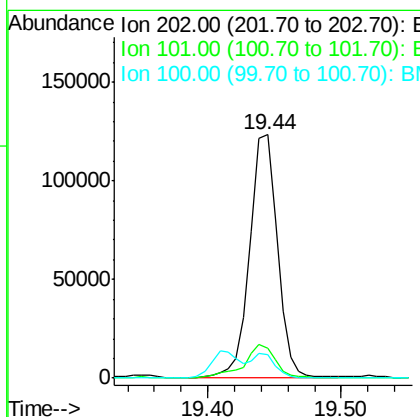
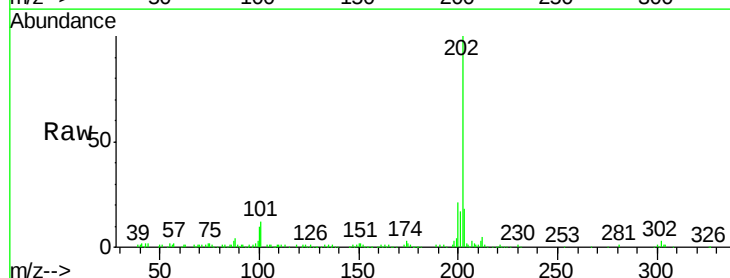
RT: 19.44 min Scan# 2866

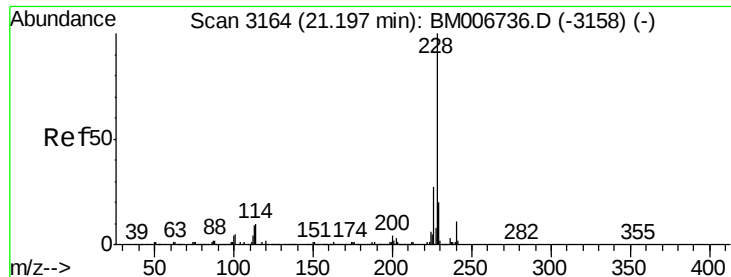
Delta R.T. 0.00 min

Lab File: BM006802.D

Acq: 31 Jul 2016 23:30

Tgt Ion:	202	Resp:	175940
Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.8	14.8
100	9.7	9.3	13.9





#32

Benzo(a)anthracene

Concen: 1.35 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM006802.D

Acq: 31 Jul 2016 23:30

Instrument :

BNA_M

ClientSampleId :

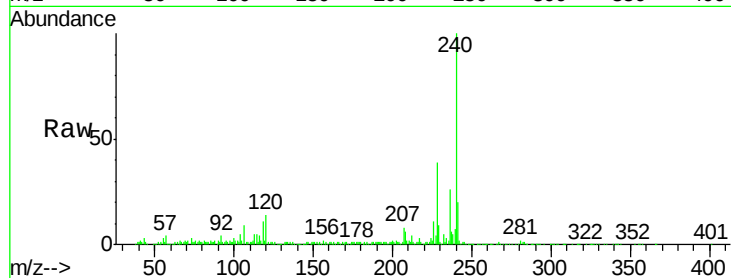
Tot Ion:228 Resp: 116392

Ion Ratio Lower Upper

228 100

229 21.6 16.6 25.0

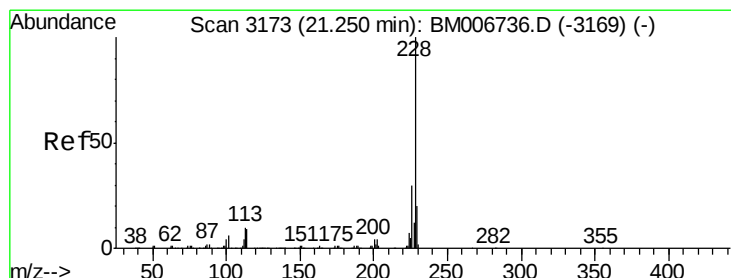
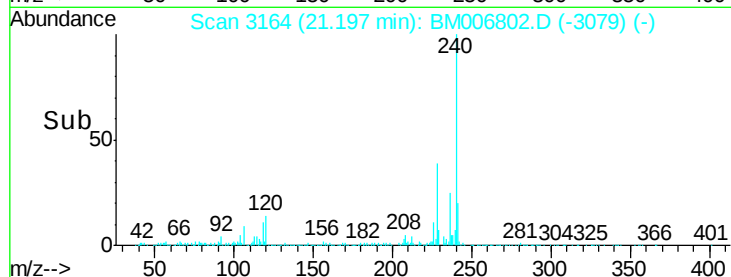
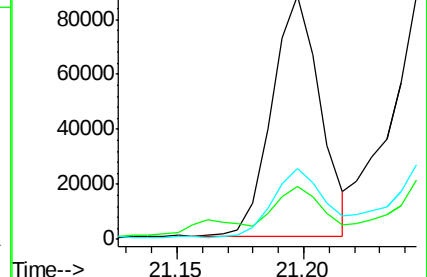
226 29.1 21.0 31.4



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: 1.79 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BM006802.D

Acq: 31 Jul 2016 23:30

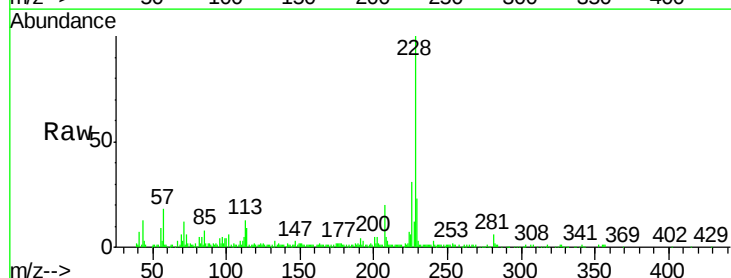
Tgt Ion:228 Resp: 142120

Ion Ratio Lower Upper

228 100

226 31.4 23.4 35.2

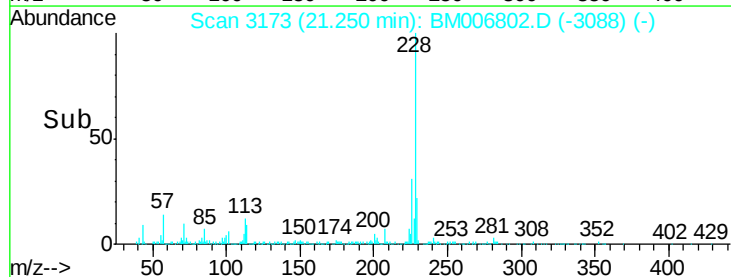
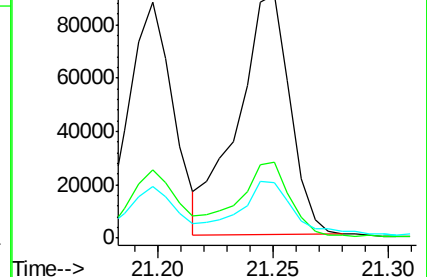
229 22.6 16.2 24.2

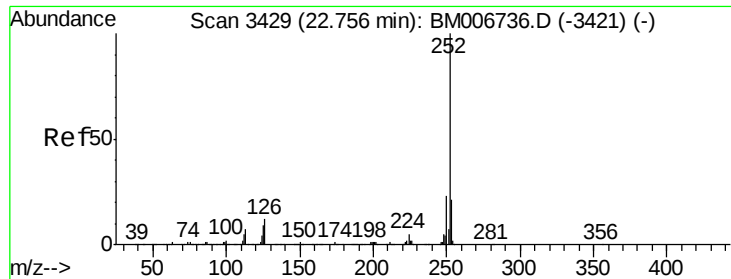


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

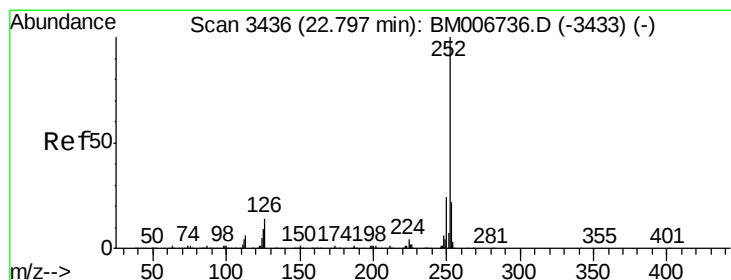
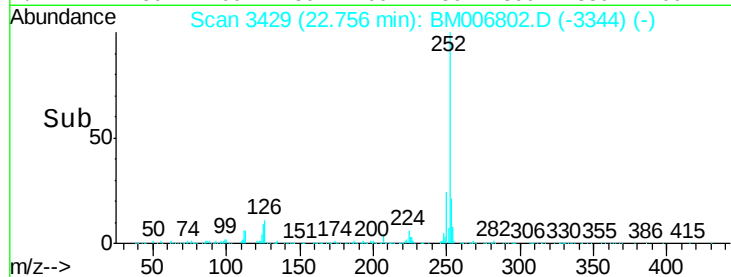
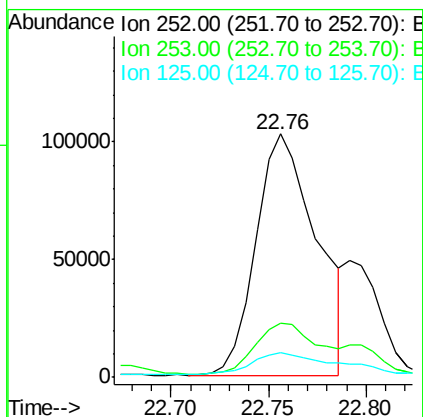
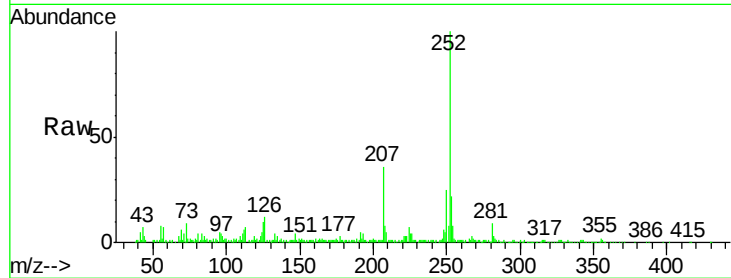




#35
Benzo(b)fluoranthene
Concen: 2.48 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. 0.00 min
Lab File: BM006802.D
Acq: 31 Jul 2016 23:30

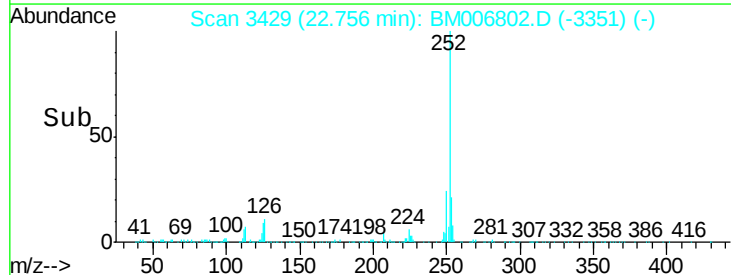
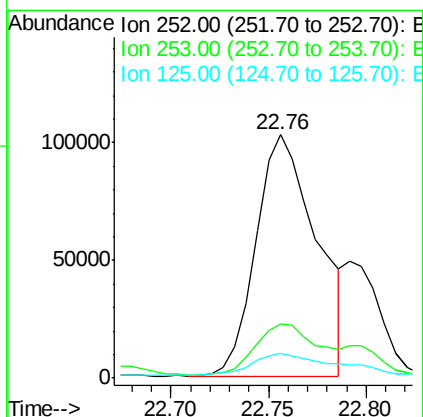
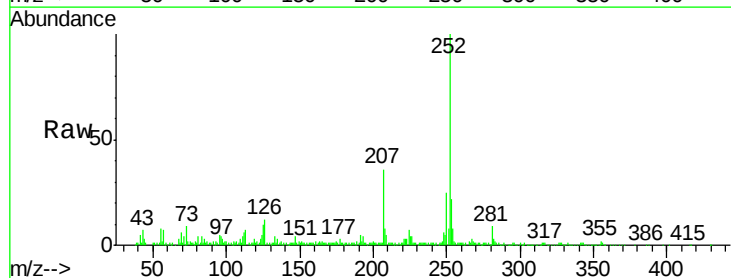
Instrument :
BNA_M
ClientSampleId :

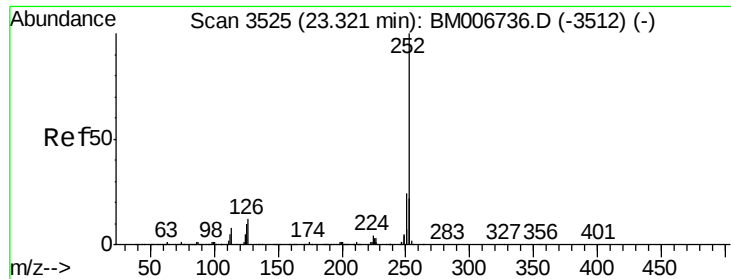
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	10.1	7.6	11.4



#36
Benzo(k)fluoranthene
Concen: 2.57 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. -0.04 min
Lab File: BM006802.D
Acq: 31 Jul 2016 23:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	10.1	7.7	11.5





#38

Benzo(a)pyrene

Concen: 1.49 ng/ul

RT: 23.31 min Scan# 3524

Delta R.T. -0.01 min

Lab File: BM006802.D

Acq: 31 Jul 2016 23:30

Instrument :

BNA_M

ClientSampleId :

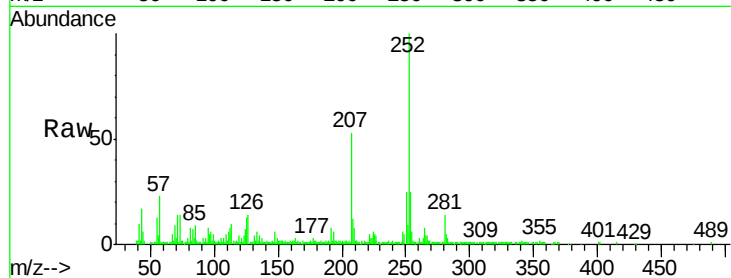
Tot Ion:252 Resp: 129037

Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.0

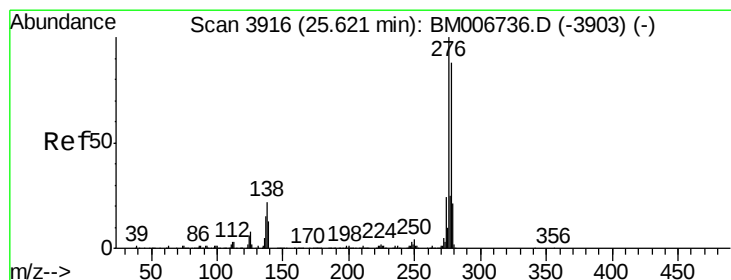
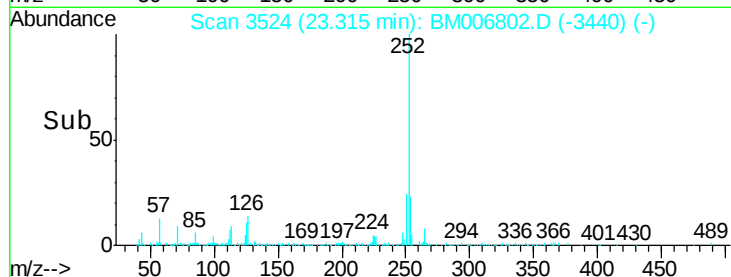
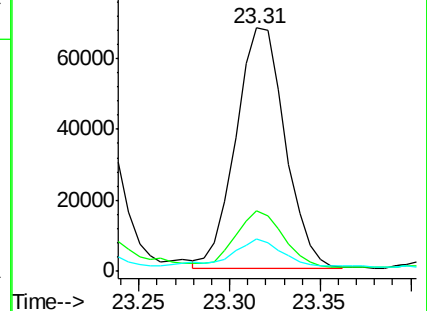
125 13.1 8.2 12.2#



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: 1.01 ng/ul

RT: 25.61 min Scan# 3915

Delta R.T. -0.01 min

Lab File: BM006802.D

Acq: 31 Jul 2016 23:30

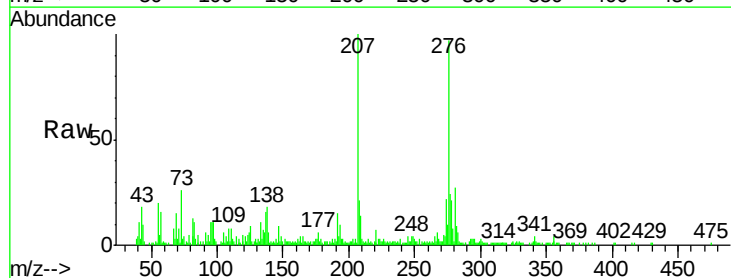
Tgt Ion:276 Resp: 101448

Ion Ratio Lower Upper

276 100

138 18.6 15.8 23.6

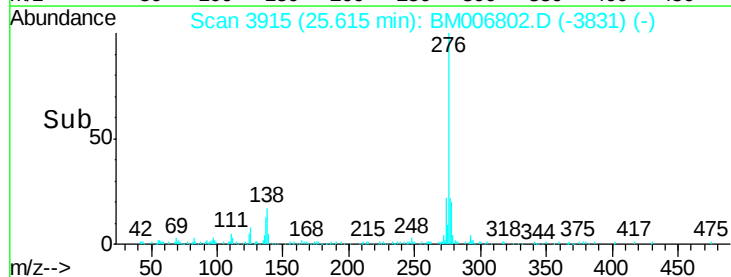
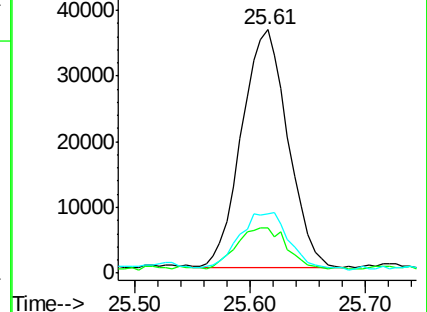
277 24.4 19.0 28.6

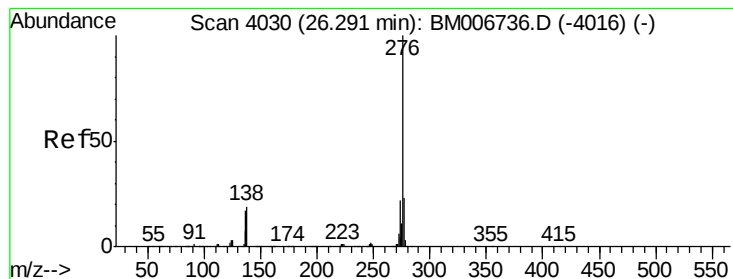


Abundance Ion 276.00 (275.70 to 276.70): E

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: 1.15 ng/ul

RT: 26.29 min Scan# 4029

Delta R.T. -0.01 min

Lab File: BM006802.D

Acq: 31 Jul 2016 23:30

Instrument :

BNA_M

ClientSampleId :

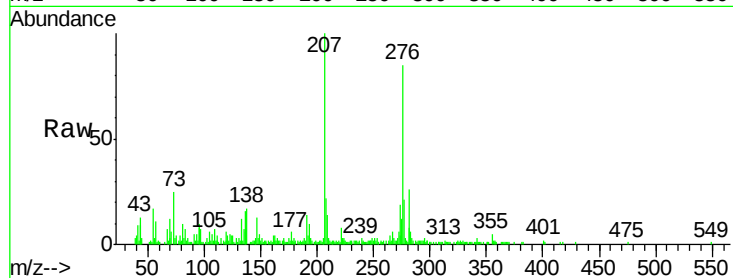
Tot Ion:276 Resp: 98774

Ion Ratio Lower Upper

276 100

138 19.7 13.9 20.9

277 24.8 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

