

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073116\
 Data File : BM006787.D
 Acq On : 31 Jul 2016 13:44
 Operator : UM/SJ
 Sample : H4189-11
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 06:42:16 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	188571	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	835282	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	471869	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	1067742	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	1210555	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1274492	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	7666	1.64	ng/uL	0.00
3) Phenol-d5	6.79	99	292442	18.23	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	206456	20.77	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	245824	19.18	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	145759	11.72	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	127815	20.22	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	137407	20.44	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.01	165	243362	19.15	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	280354	20.03	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	764980	20.68	ng/ul	0.00
17) Acenaphthylene-d8	13.94	160	1003709	21.25	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	98432	15.32	ng/ul	0.00
21) Fluorene-d10	15.26	176	704178	21.28	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	84942	15.33	ng/ul	0.00
26) Anthracene-d10	17.11	188	1059101	20.89	ng/ul	0.00
30) Pyrene-d10	19.41	212	1236310	22.41	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	1276211	21.77	ng/ul	-0.01

Target Compounds

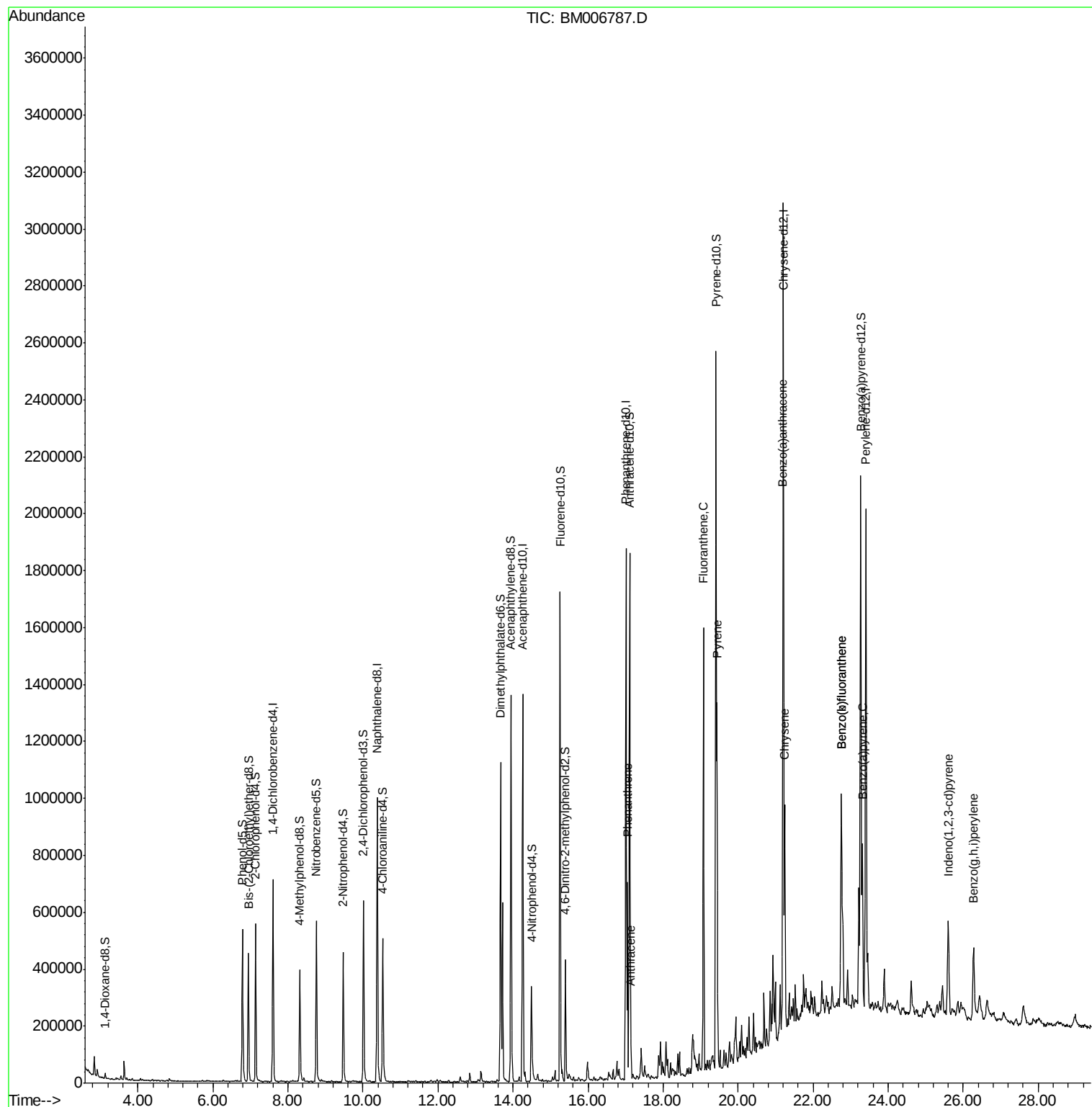
					Ovalue
25) Phenanthrene	17.05	178	410844	6.84	ng/ul 100
27) Anthracene	17.14	178	78515	1.27	ng/ul 97
28) Fluoranthene	19.07	202	905400	12.83	ng/ul 99
31) Pyrene	19.44	202	751515	10.25	ng/ul 97
32) Benzo(a)anthracene	21.19	228	419408	5.72	ng/ul 98
33) Chrysene	21.24	228	431656	6.38	ng/ul 99
35) Benzo(b)fluoranthene	22.75	252	633898	8.30	ng/ul 99
36) Benzo(k)fluoranthene	22.75	252	633898	8.58	ng/ul 99
38) Benzo(a)pyrene	23.31	252	398273	5.36	ng/ul 98
39) Indeno(1,2,3-cd)pyrene	25.60	276	313357	3.64	ng/ul 96
41) Benzo(g,h,i)perylene	26.28	276	298938	4.05	ng/ul 97

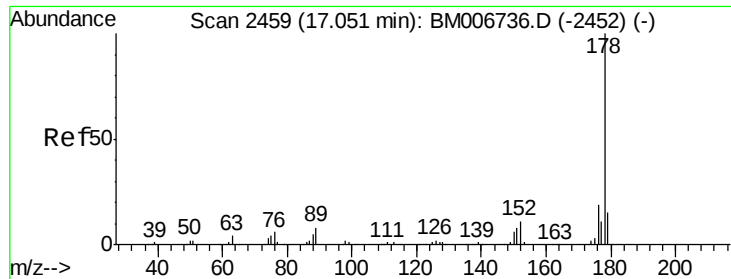
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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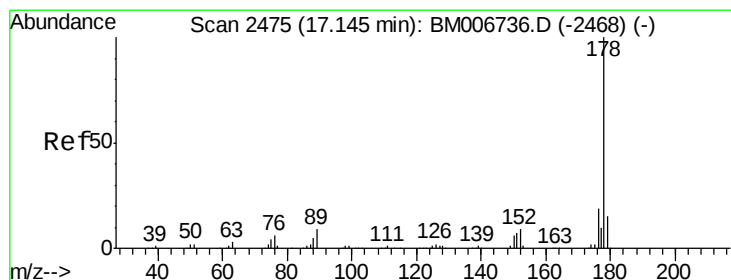
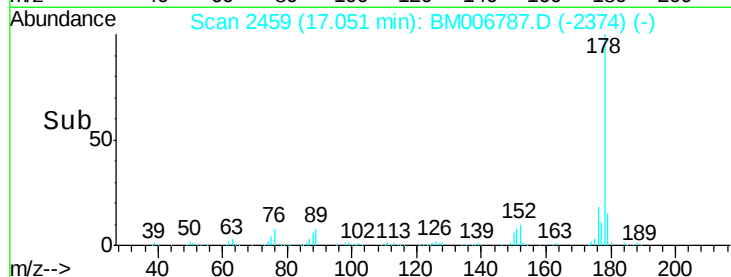
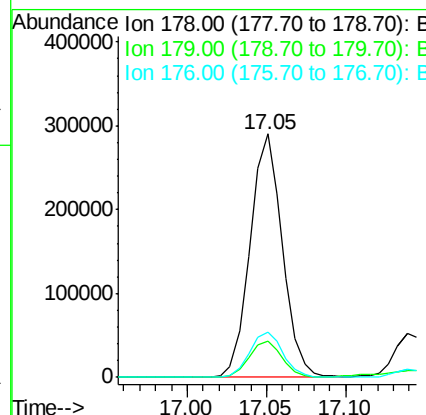
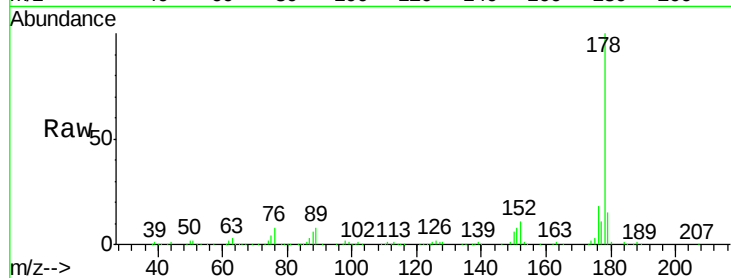




#25
Phenanthrene
Concen: 6.84 ng/ul
RT: 17.05 min Scan# 2459
Delta R.T. -0.00 min
Lab File: BM006787.D
Acq: 31 Jul 2016 13:44

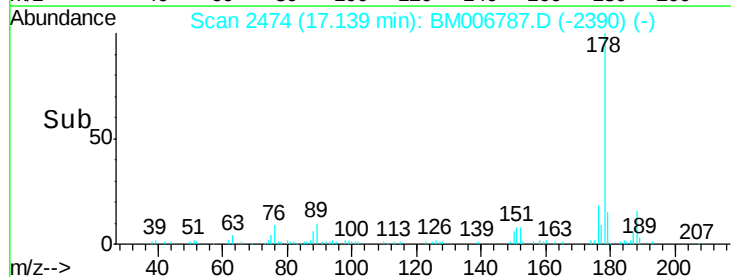
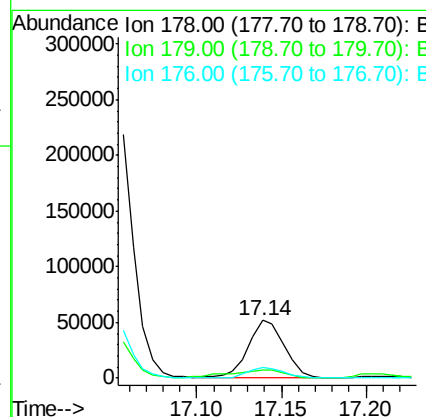
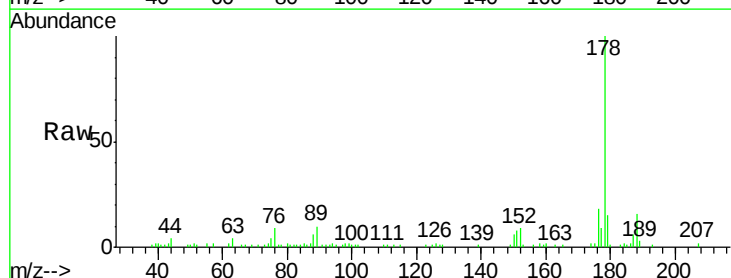
Instrument :
BNA_M
ClientSampleId :

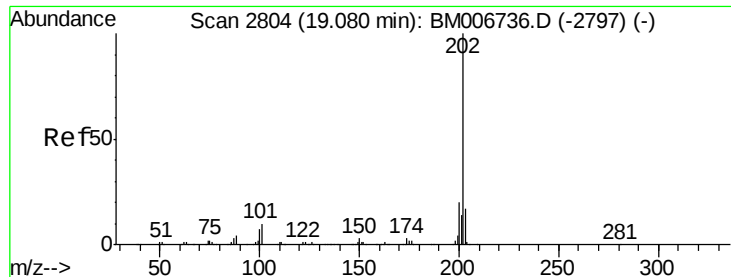
Tot Ion:178 Resp: 410844
Ion Ratio Lower Upper
178 100
179 14.7 11.8 17.8
176 18.4 14.8 22.2



#27
Anthracene
Concen: 1.27 ng/ul
RT: 17.14 min Scan# 2474
Delta R.T. -0.01 min
Lab File: BM006787.D
Acq: 31 Jul 2016 13:44

Tgt Ion:178 Resp: 78515
Ion Ratio Lower Upper
178 100
179 14.7 12.9 19.3
176 18.0 15.6 23.4





#28

Fluoranthene

Concen: 12.83 ng/ul

RT: 19.07 min Scan# 2803

Delta R.T. -0.01 min

Lab File: BM006787.D

Acq: 31 Jul 2016 13:44

Instrument :

BNA_M

ClientSampleId :

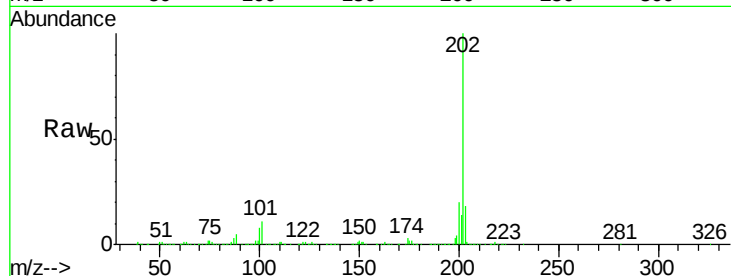
Tot Ion:202 Resp: 905400

Ion Ratio Lower Upper

202 100

101 10.9 8.9 13.3

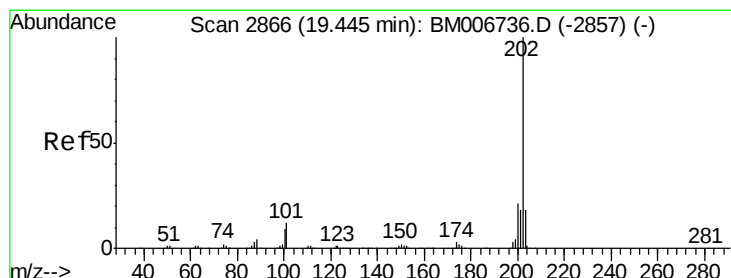
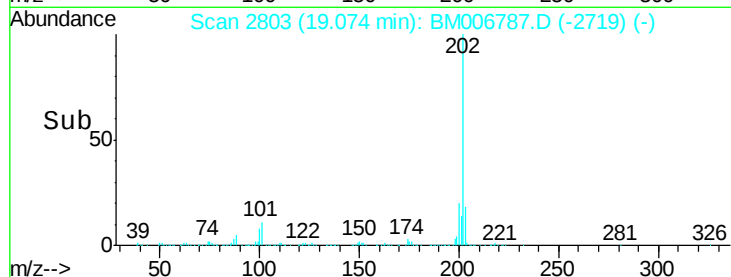
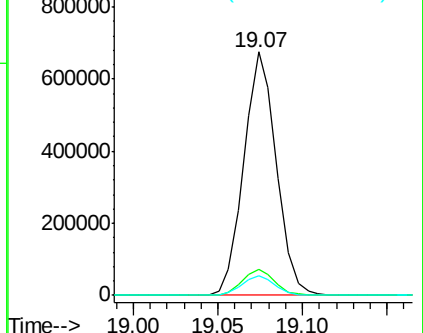
100 8.0 7.0 10.4



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: 10.25 ng/ul

RT: 19.44 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BM006787.D

Acq: 31 Jul 2016 13:44

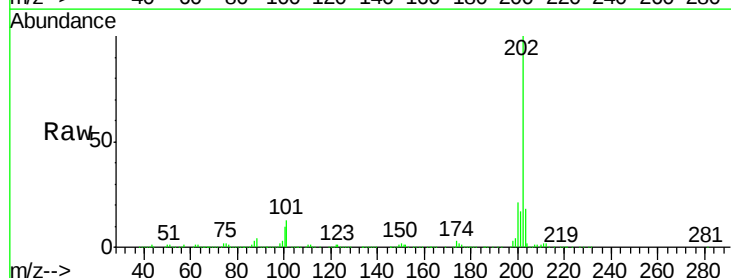
Tgt Ion:202 Resp: 751515

Ion Ratio Lower Upper

202 100

101 13.0 9.8 14.8

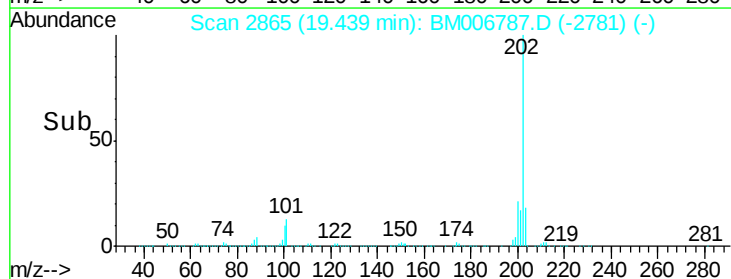
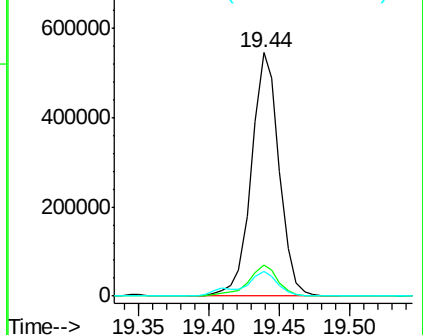
100 10.1 9.3 13.9

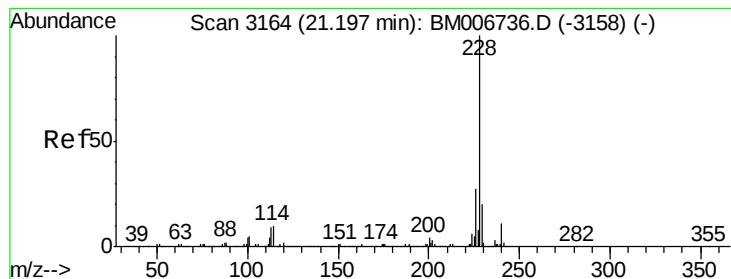


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 5.72 ng/ul

RT: 21.19 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BM006787.D

Acq: 31 Jul 2016 13:44

Instrument :

BNA_M

ClientSampleId :

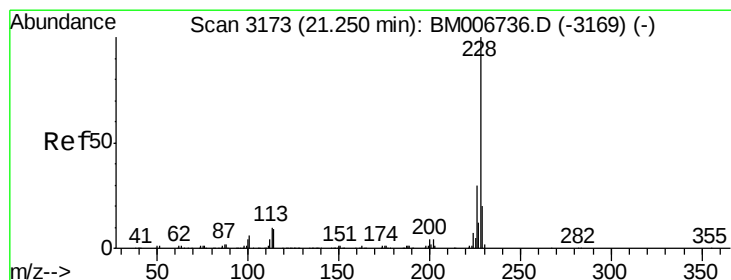
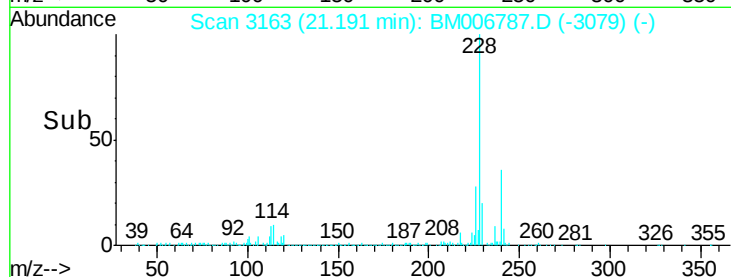
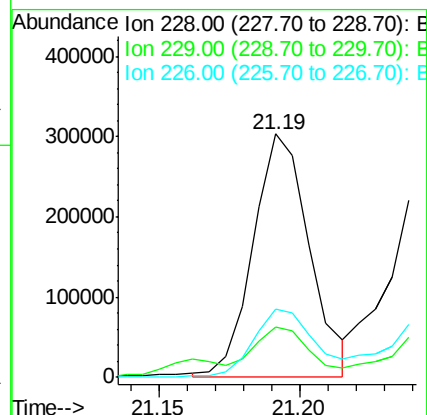
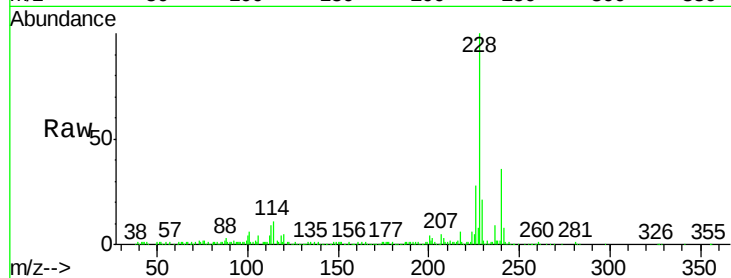
Tot Ion:228 Resp: 419408

Ion Ratio Lower Upper

228 100

229 20.8 16.6 25.0

226 28.0 21.0 31.4



#33

Chrysene

Concen: 6.38 ng/ul

RT: 21.24 min Scan# 3172

Delta R.T. -0.01 min

Lab File: BM006787.D

Acq: 31 Jul 2016 13:44

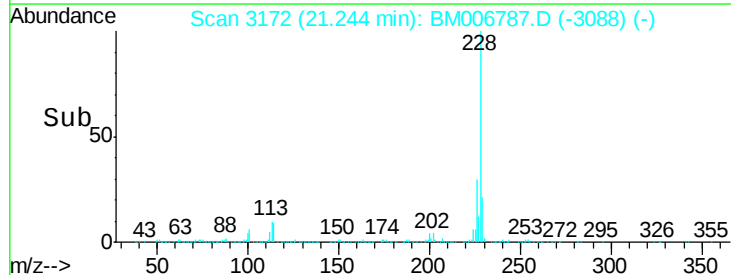
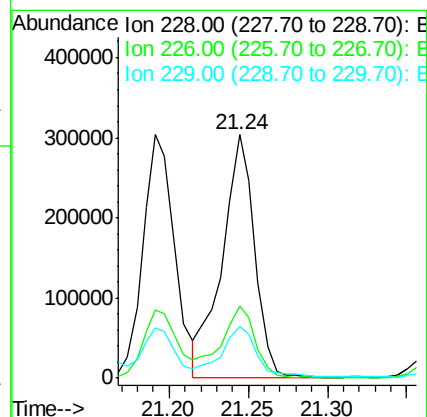
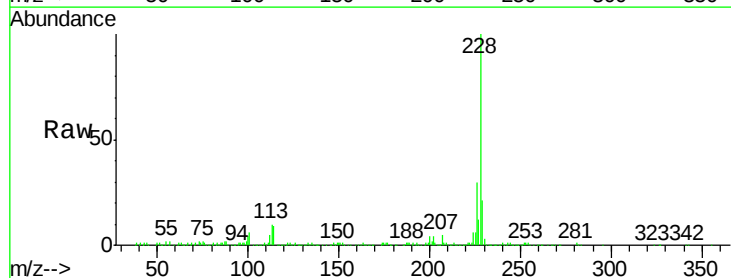
Tgt Ion:228 Resp: 431656

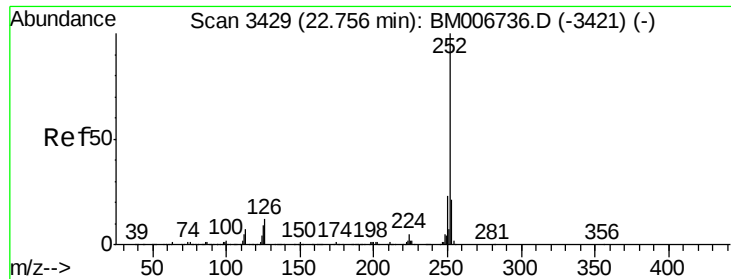
Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

229 21.2 16.2 24.2

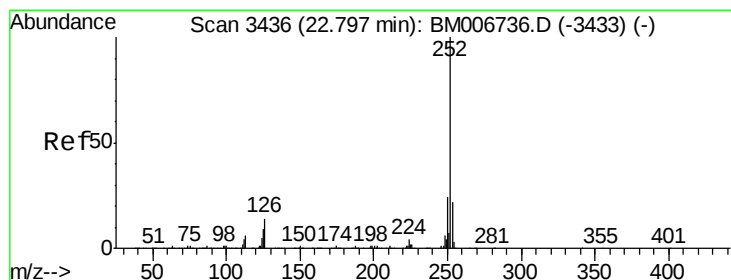
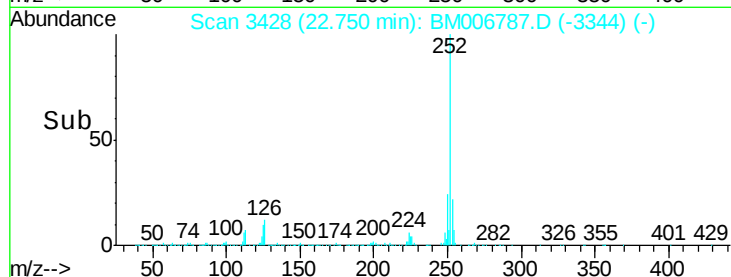
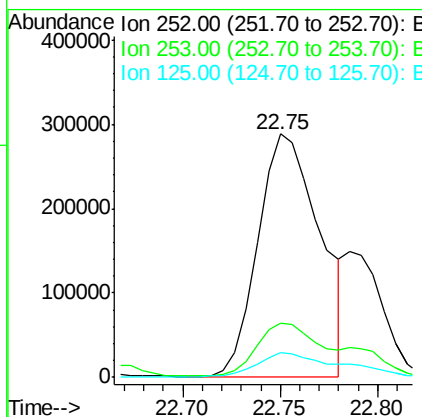
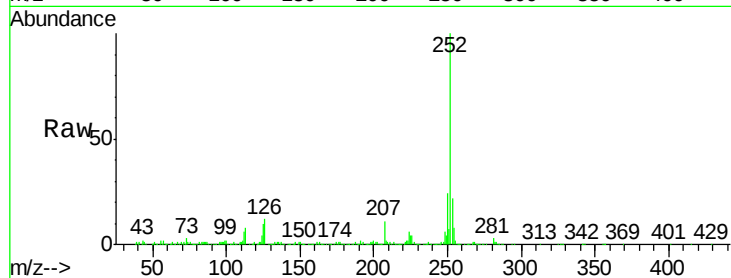




#35
Benzo(b)fluoranthene
Concen: 8.30 ng/ul
RT: 22.75 min Scan# 3428
Delta R.T. -0.01 min
Lab File: BM006787.D
Acq: 31 Jul 2016 13:44

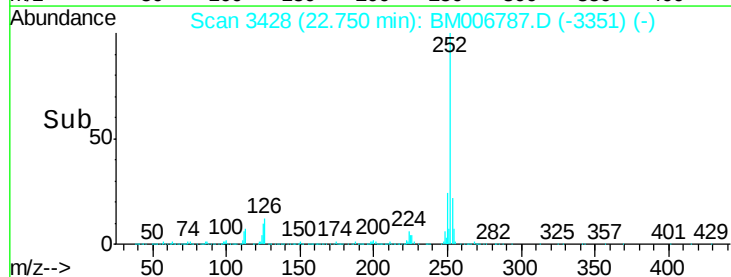
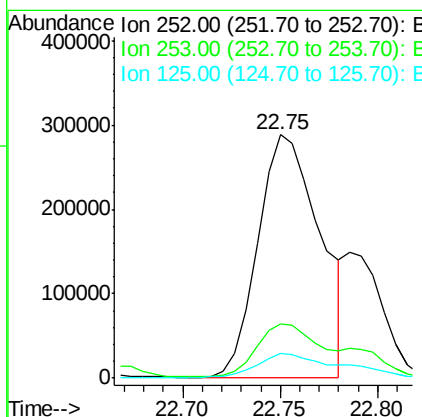
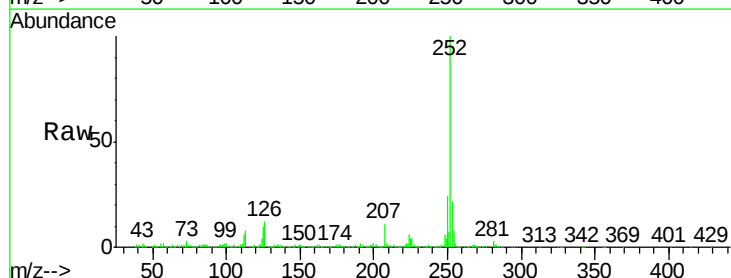
Instrument :
BNA_M
ClientSampleId :

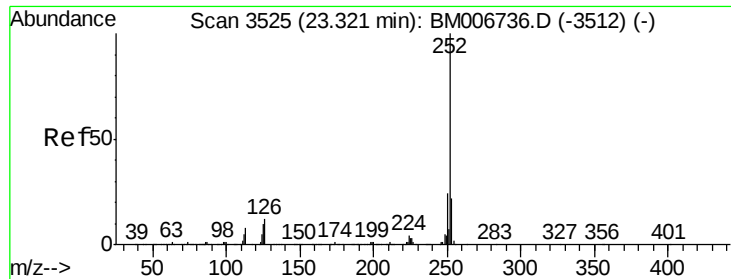
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	10.2	7.6	11.4



#36
Benzo(k)fluoranthene
Concen: 8.58 ng/ul
RT: 22.75 min Scan# 3428
Delta R.T. -0.05 min
Lab File: BM006787.D
Acq: 31 Jul 2016 13:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.2	7.7	11.5

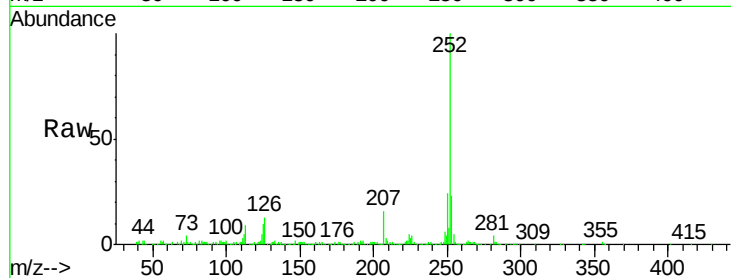




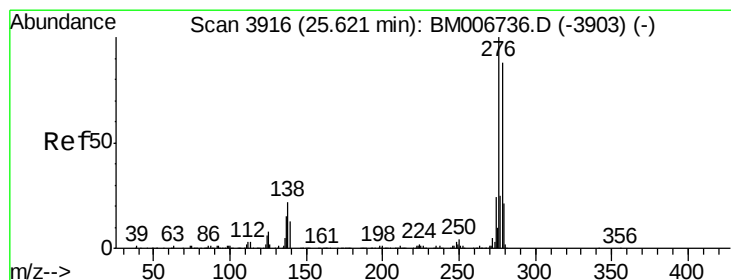
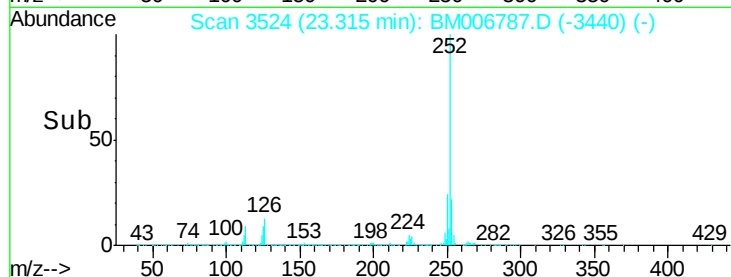
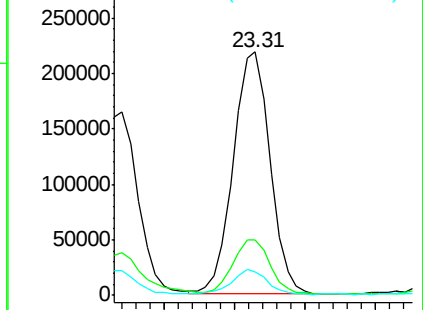
#38
Benzo(a)pyrene
Concen: 5.36 ng/ul
RT: 23.31 min Scan# 3524
Delta R.T. -0.01 min
Lab File: BM006787.D
Acq: 31 Jul 2016 13:44

Instrument :
BNA_M
ClientSampled :

Tot Ion:252 Resp: 398273
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 9.5 8.2 12.2

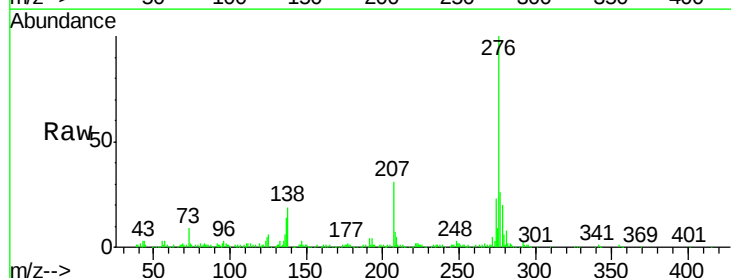


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

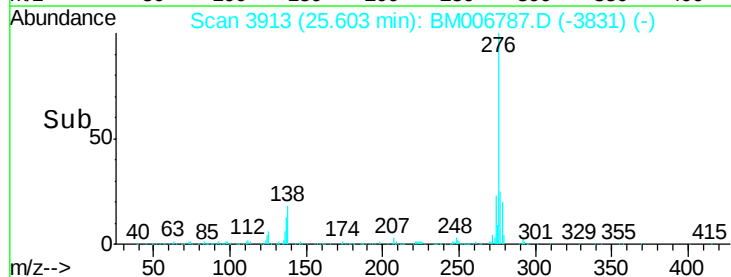
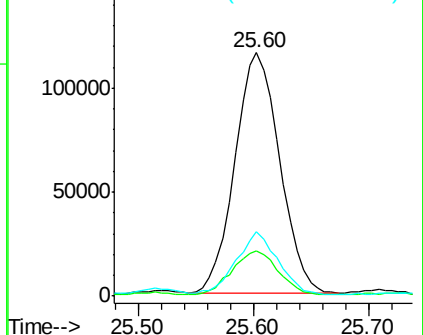


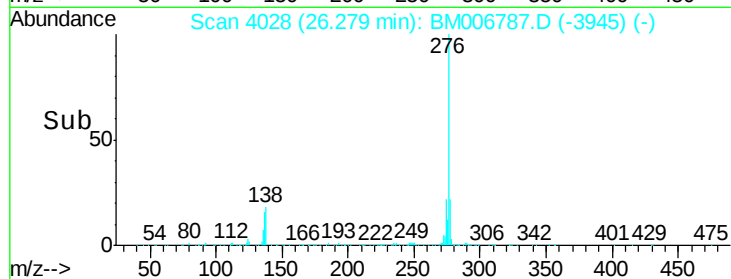
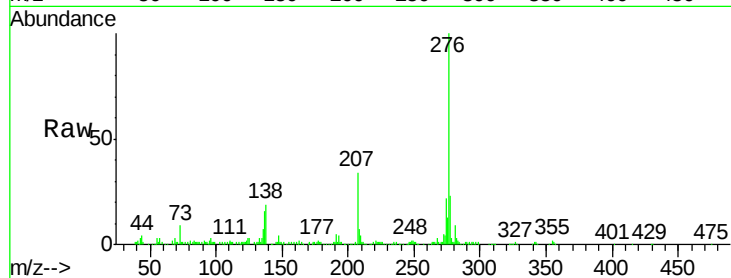
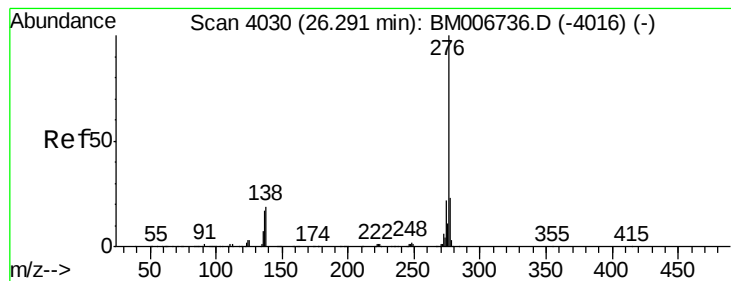
#39
Indeno(1,2,3-cd)pyrene
Concen: 3.64 ng/ul
RT: 25.60 min Scan# 3913
Delta R.T. -0.02 min
Lab File: BM006787.D
Acq: 31 Jul 2016 13:44

Tgt Ion:276 Resp: 313357
Ion Ratio Lower Upper
276 100
138 18.7 15.8 23.6
277 26.2 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(a,h,i)perylene

Concen: 4.05 ng/ul

RT: 26.28 min Scan# 4028

Delta R.T. -0.01 min

Lab File: BM006787.D

Acq: 31 Jul 2016 13:44

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 276 Resp: 298938

Ion Ratio Lower Upper

276 100

138 19.0 13.9 20.9

277 23.2 19.8 29.6

