

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073116\
 Data File : BM006782.D
 Acq On : 31 Jul 2016 10:41
 Operator : UM/SJ
 Sample : H4188-08
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 06:41:28 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	189170	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	826699	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	473140	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	1053330	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	1171882	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1210572	20.00	ng/ul	0.00

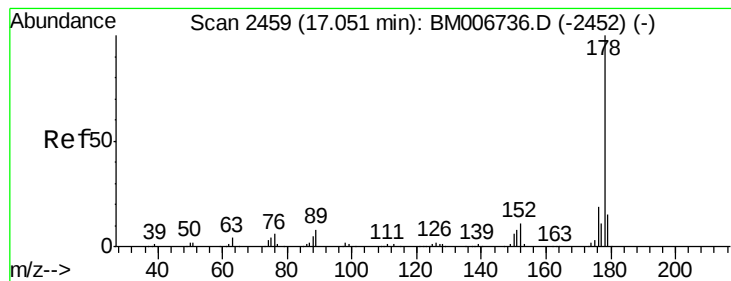
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	6302	1.35	ng/uL	0.00
3) Phenol-d5	6.79	99	237078	14.73	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	160409	16.09	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	190934	14.85	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	147731	11.84	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	94847	15.16	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	105132	15.80	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	188152	14.96	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	189890	13.71	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	586576	15.81	ng/ul	0.00
17) Acenaphthylene-d8	13.94	160	752468	15.89	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	60583	9.40	ng/ul	0.00
21) Fluorene-d10	15.25	176	533653	16.08	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	63672	11.65	ng/ul	0.00
26) Anthracene-d10	17.10	188	800179	16.00	ng/ul	0.00
30) Pyrene-d10	19.41	212	935139	17.51	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	923957	16.59	ng/ul	0.00

Target Compounds

						Ovalue
25) Phenanthrene	17.05	178	98370	1.66	ng/ul	99
28) Fluoranthene	19.07	202	271045	3.89	ng/ul	100
31) Pyrene	19.44	202	259826	3.66	ng/ul	97
32) Benzo(a)anthracene	21.19	228	219852	3.10	ng/ul	98
33) Chrysene	21.24	228	271678	4.15	ng/ul	96
35) Benzo(b)fluoranthene	22.76	252	536648	7.40	ng/ul	100
36) Benzo(k)fluoranthene	22.76	252	536648	7.65	ng/ul	100
38) Benzo(a)pyrene	23.31	252	333896	4.73	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.61	276	281152	3.44	ng/ul	98
40) Dibenzo(a,h)anthracene	25.61	278	75782	1.12	ng/ul	93
41) Benzo(g,h,i)perylene	26.29	276	223741	3.19	ng/ul	98

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



#25

Phenanthrene

Concen: 1.66 ng/ul

RT: 17.05 min Scan# 2459

Delta R.T. 0.00 min

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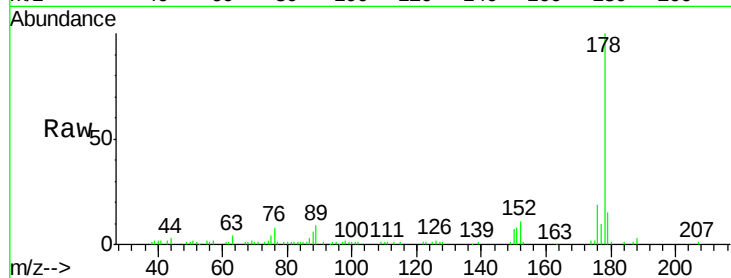
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 98370

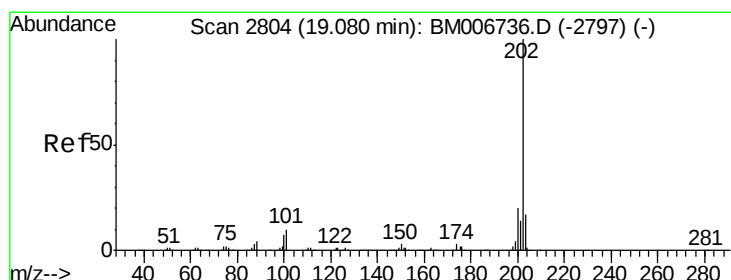
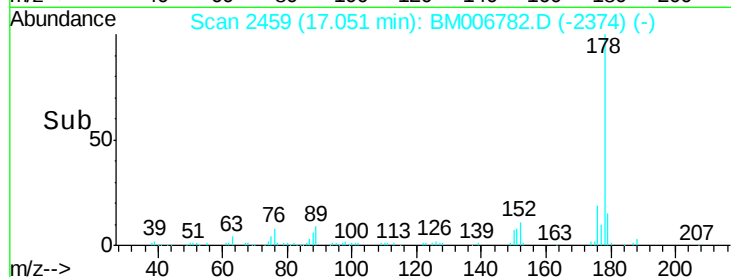
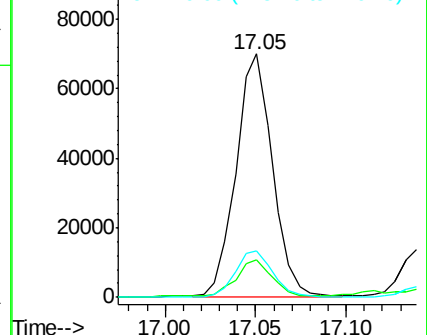
Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.8	17.8
176	19.2	14.8	22.2



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: 3.89 ng/ul

RT: 19.07 min Scan# 2803

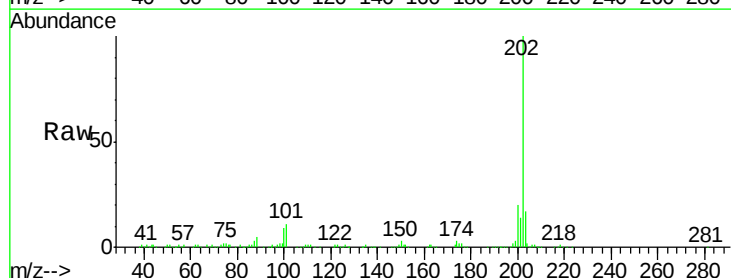
Delta R.T. -0.01 min

Lab File: BM006782.D

Acq: 31 Jul 2016 10:41

Tgt Ion:202 Resp: 271045

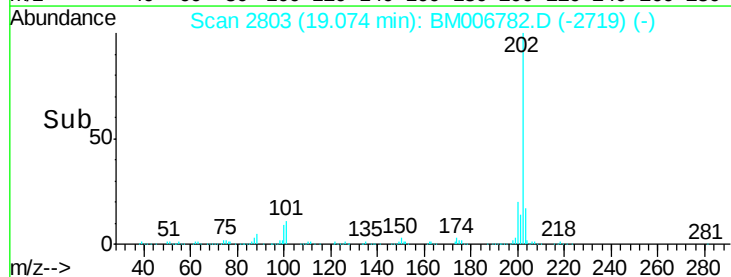
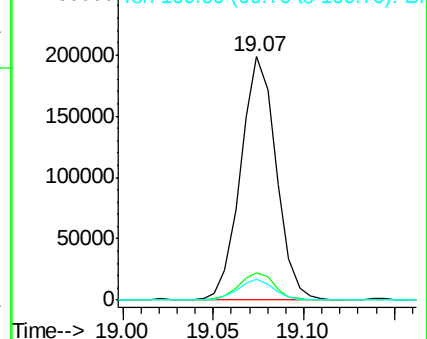
Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.9	13.3
100	8.7	7.0	10.4

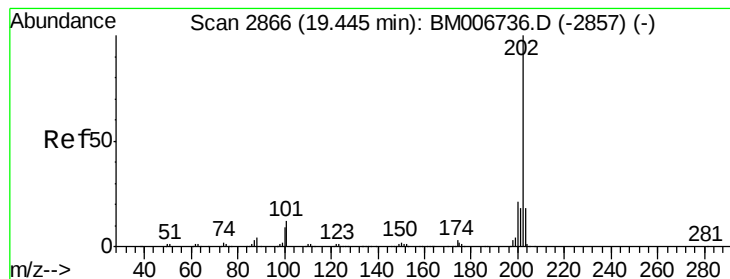


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pvrene

Concen: 3.66 ng/ul

RT: 19.44 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BM006782.D

Acq: 31 Jul 2016 10:41

Instrument :

BNA_M

ClientSampleId :

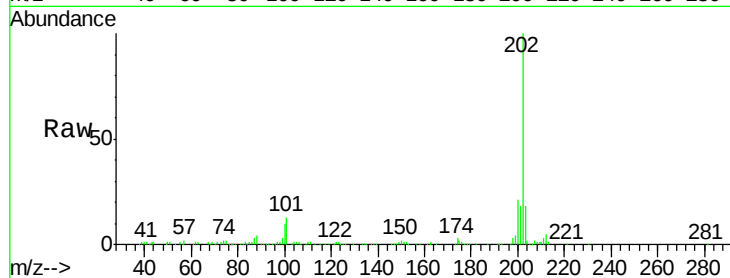
Tot Ion:202 Resp: 259826

Ion Ratio Lower Upper

202 100

101 12.9 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

250000

200000

150000

100000

50000

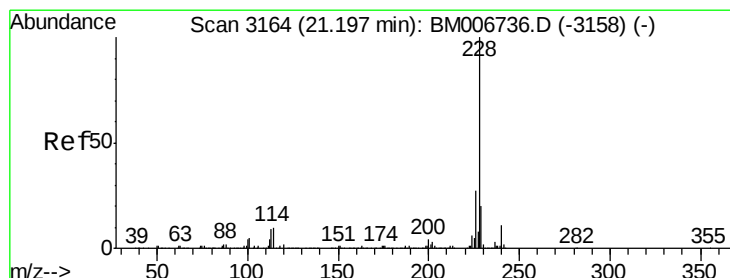
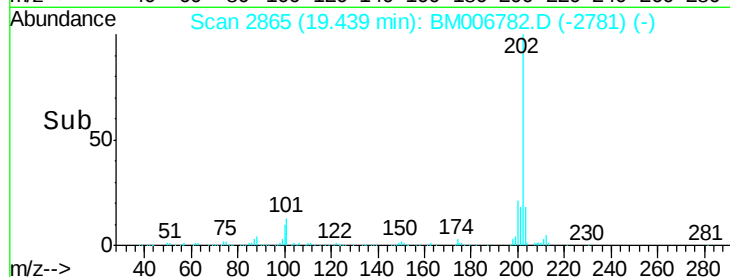
0

19.44

19.40

19.50

Time-->



#32

Benzo(a)anthracene

Concen: 3.10 ng/ul

RT: 21.19 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BM006782.D

Acq: 31 Jul 2016 10:41

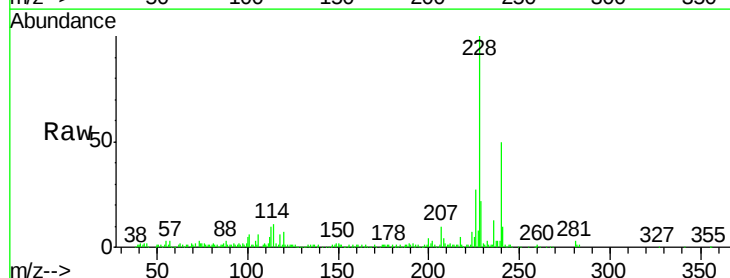
Tgt Ion:228 Resp: 219852

Ion Ratio Lower Upper

228 100

229 21.5 16.6 25.0

226 27.3 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

200000

150000

100000

50000

0

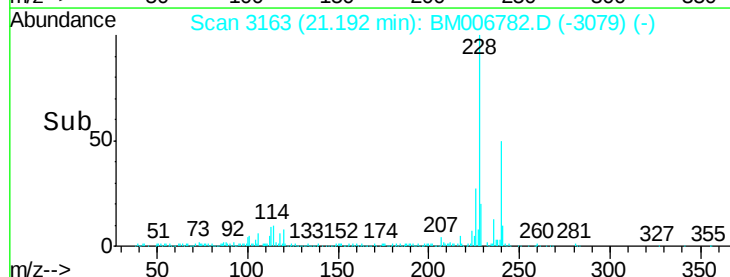
21.19

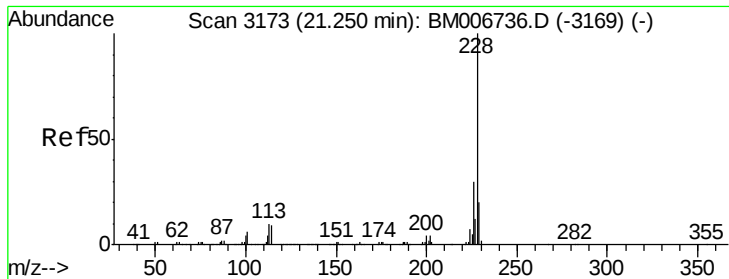
21.10

21.15

21.20

Time-->

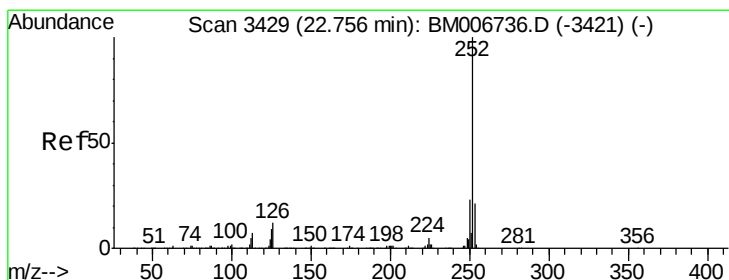
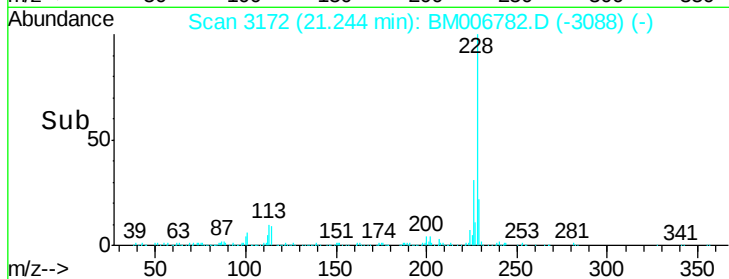
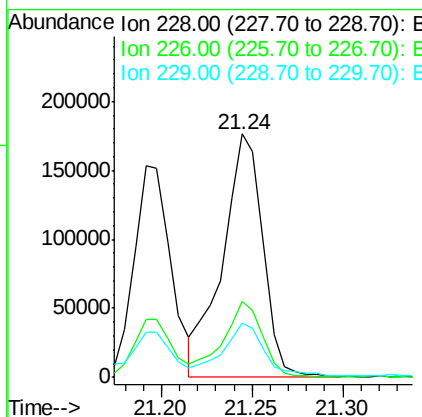
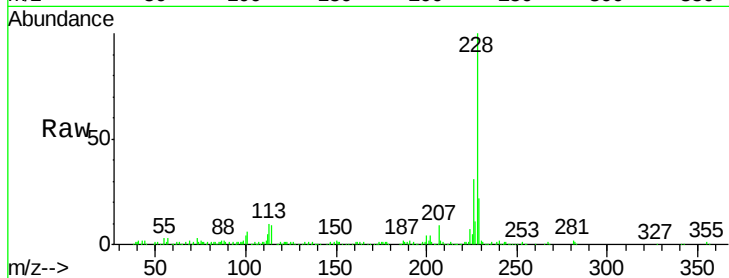




#33
 Chrysene
 Concen: 4.15 ng/ul
 RT: 21.24 min Scan# 3172
 Delta R.T. -0.01 min
 Lab File: BM006782.D
 Acq: 31 Jul 2016 10:41

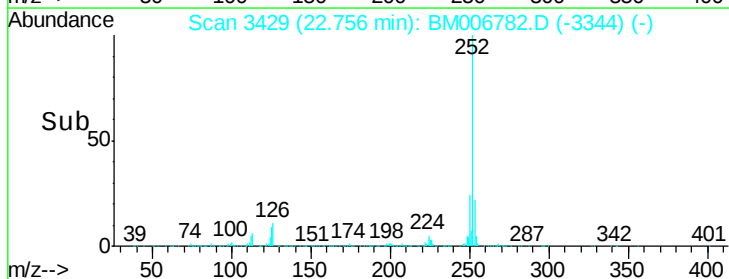
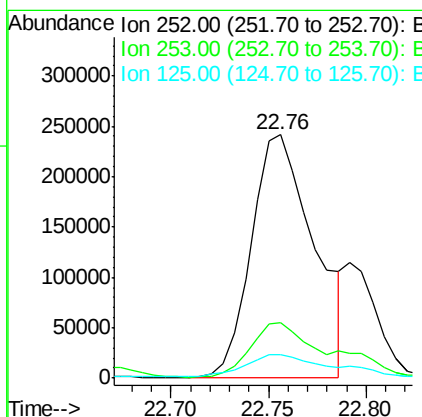
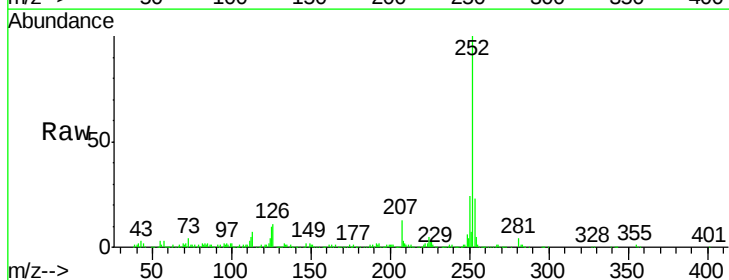
Instrument :
 BNA_M
 ClientSampleId :

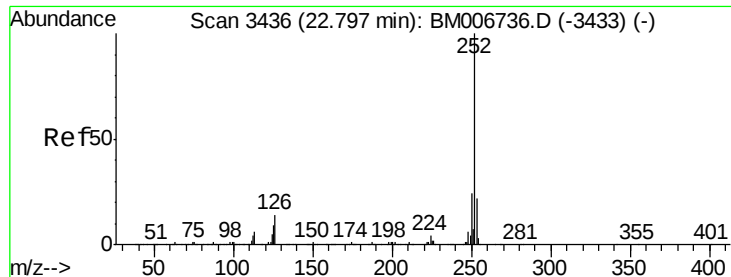
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.4	35.2
229	22.0	16.2	24.2



#35
 Benzo(b)fluoranthene
 Concen: 7.40 ng/ul
 RT: 22.76 min Scan# 3429
 Delta R.T. -0.00 min
 Lab File: BM006782.D
 Acq: 31 Jul 2016 10:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	9.7	7.6	11.4

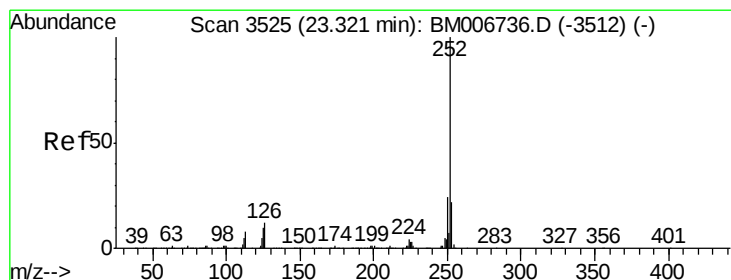
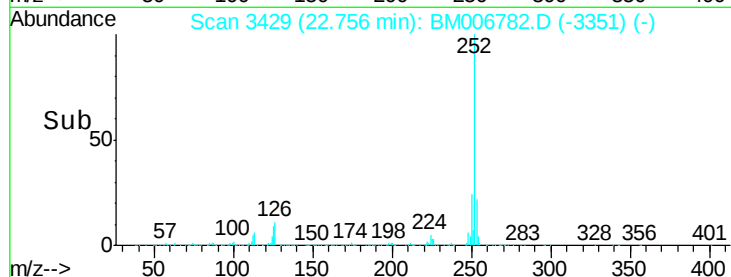
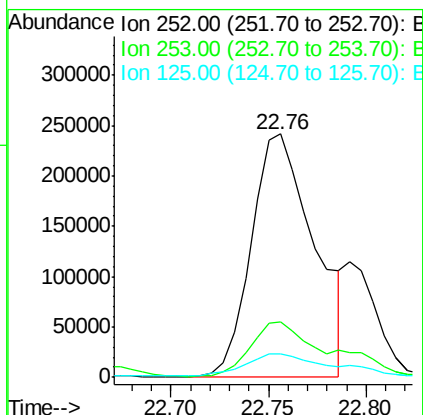
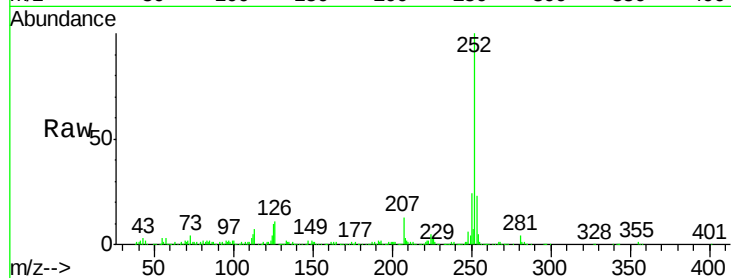




#36
Benzo(k)fluoranthene
Concen: 7.65 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. -0.04 min
Lab File: BM006782.D
Acq: 31 Jul 2016 10:41

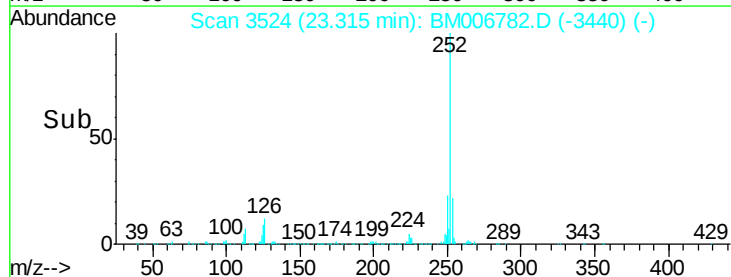
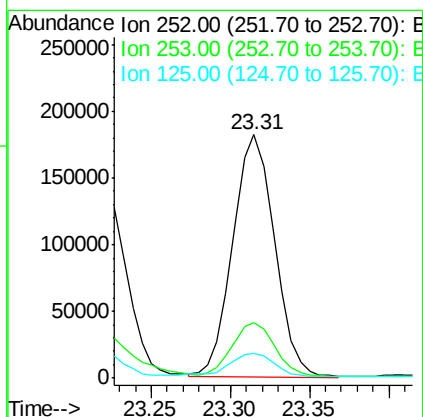
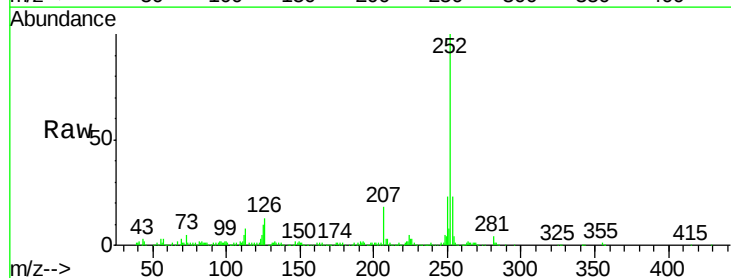
Instrument :
BNA_M
ClientSampleId :

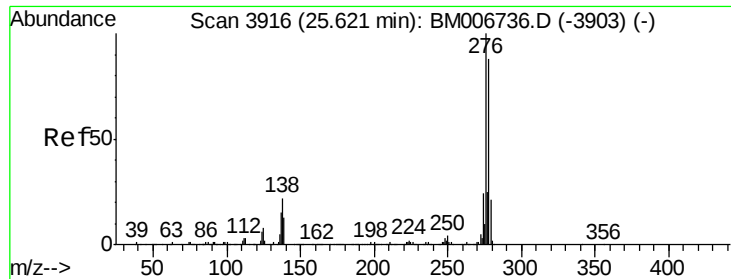
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	9.7	7.7	11.5



#38
Benzo(a)pyrene
Concen: 4.73 ng/ul
RT: 23.31 min Scan# 3524
Delta R.T. -0.01 min
Lab File: BM006782.D
Acq: 31 Jul 2016 10:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	10.0	8.2	12.2

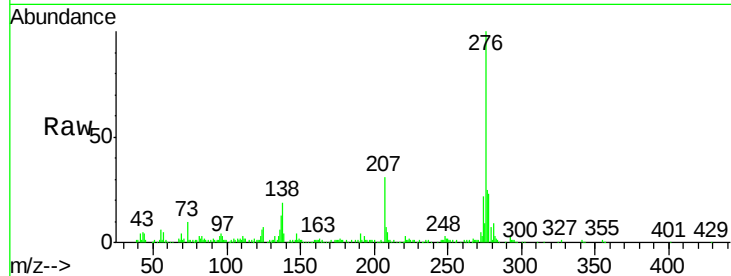




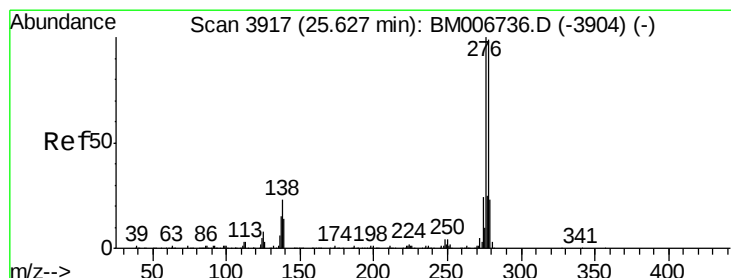
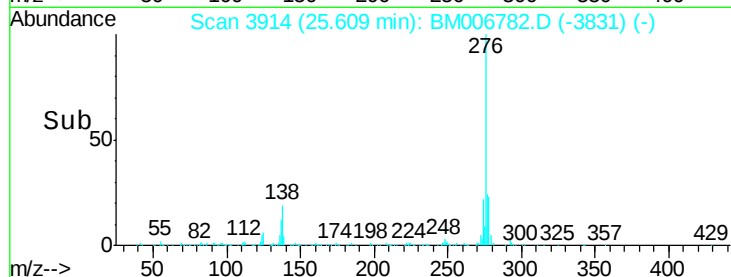
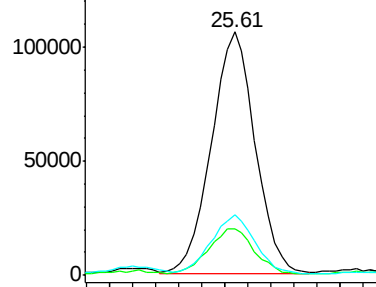
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 3.44 ng/ul
 RT: 25.61 min Scan# 3914
 Delta R.T. -0.01 min
 Lab File: BM006782.D
 Acq: 31 Jul 2016 10:41

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.2	15.8	23.6
277	25.1	19.0	28.6

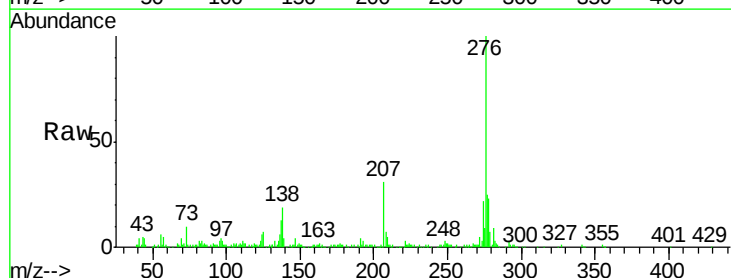


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

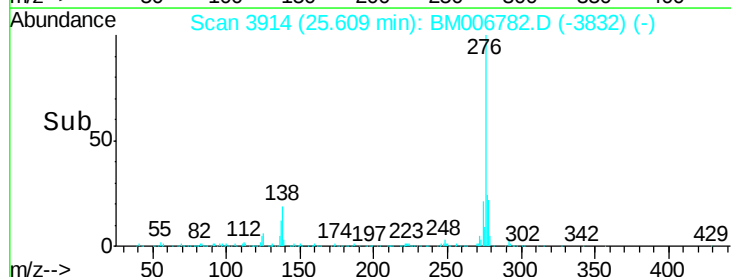
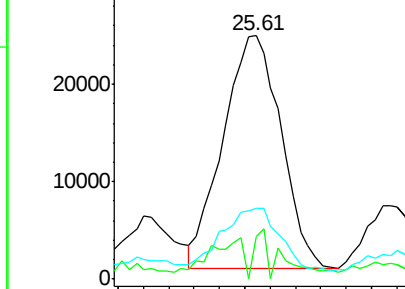


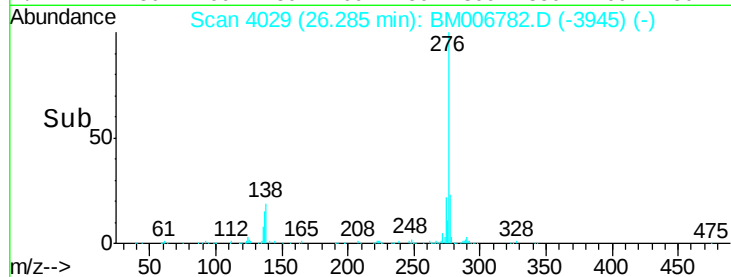
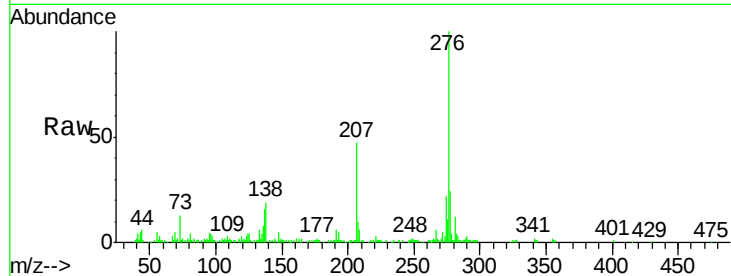
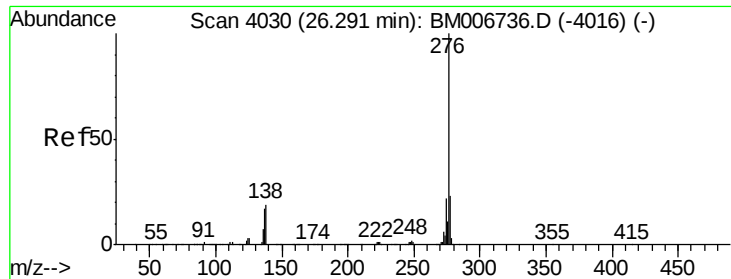
#40
 Dibenzo(a,h)anthracene
 Concen: 1.12 ng/ul
 RT: 25.61 min Scan# 3914
 Delta R.T. -0.02 min
 Lab File: BM006782.D
 Acq: 31 Jul 2016 10:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.6	12.1	18.1
279	29.0	19.8	29.8



Abundance Ion 278.00 (277.70 to 278.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 279.00 (278.70 to 279.70): E





#41

Benzo(a,h,i)perylene

Concen: 3.19 ng/ul

RT: 26.29 min Scan# 4029

Delta R.T. -0.01 min

Lab File: BM006782.D

Acq: 31 Jul 2016 10:41

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 276 Resp: 223741

Ion Ratio Lower Upper

276 100

138 19.4 13.9 20.9

277 24.3 19.8 29.6

