

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072116\
 Data File : BM006584.D
 Acq On : 21 Jul 2016 10:33
 Operator : UM/SJ
 Sample : H4076-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D97K7

Quant Time: Jul 21 15:41:58 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 21 01:09:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	107658	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	459020	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	257677	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	585320	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	654263	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	703428	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.14	96	5045	1.90	ng/uL	0.00
3) Phenol-d5	6.79	99	261057	28.50	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	157671	27.79	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	198147	27.07	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	205654	28.95	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	96360	27.73	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	102480	27.73	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	192988	27.64	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	235190	30.58	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	709995	35.14	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	817359	31.70	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	117738	33.55	ng/ul	0.00
21) Fluorene-d10	15.26	176	642693	35.57	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	78143	25.72	ng/ul	0.00
26) Anthracene-d10	17.12	188	1103269	39.70	ng/ul	0.00
30) Pyrene-d10	19.42	212	1246465	41.81	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	1307012	40.39	ng/ul	0.00

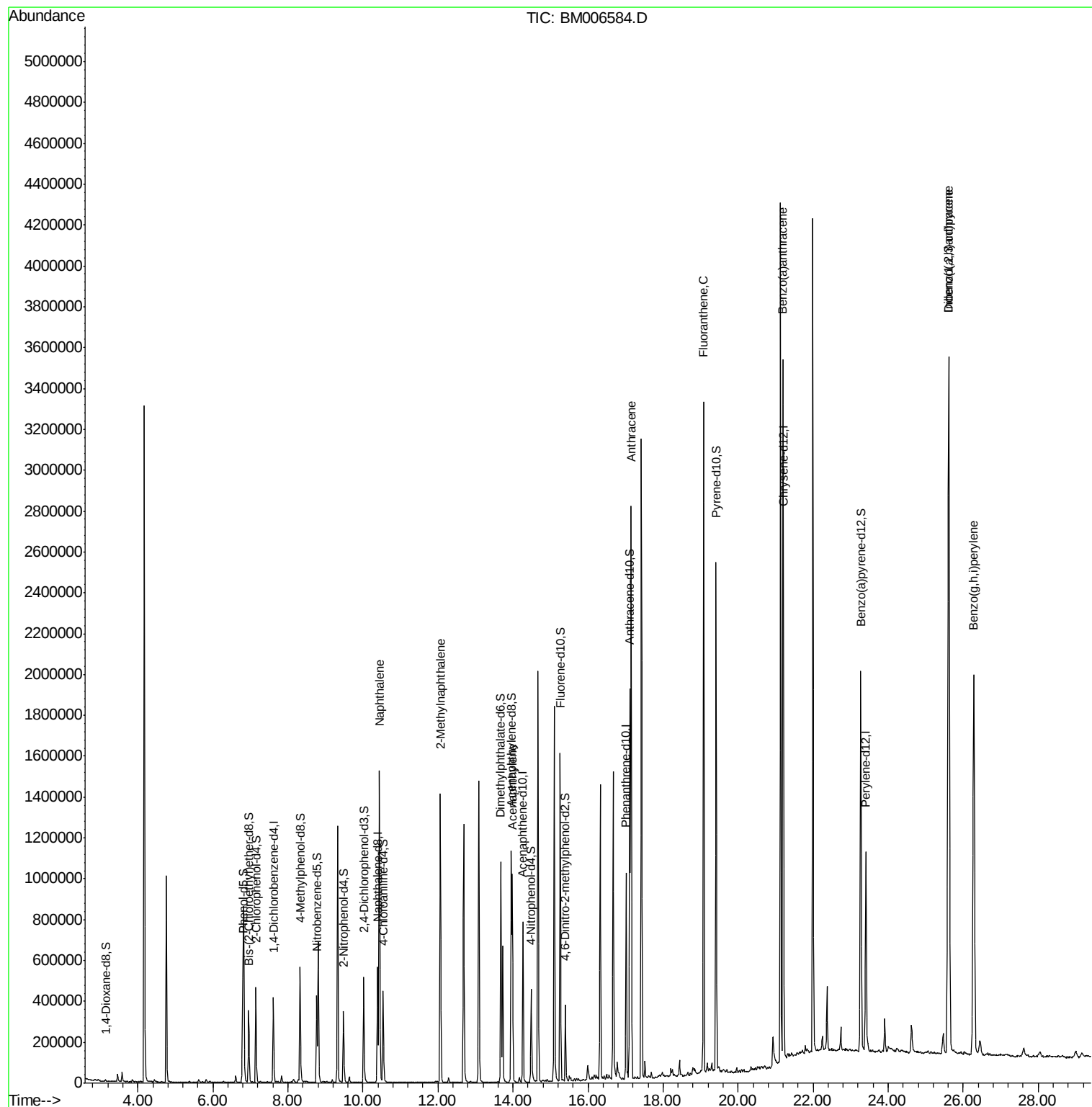
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Naphthalene	10.44	128	1242940	52.52	ng/ul	99
13) 2-Methylnaphthalene	12.06	142	710160	40.89	ng/ul	98
18) Acenaphthylene	13.98	152	672472	24.35	ng/ul	97
27) Anthracene	17.15	178	1762250	51.99	ng/ul	98
28) Fluoranthene	19.08	202	2060747	53.29	ng/ul	98
32) Benzo(a)anthracene	21.20	228	1733703	43.72	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.61	276	2493942	52.47	ng/ul	95
40) Dibenzo(a,h)anthracene	25.62	278	2170271	55.09	ng/ul	99
41) Benzo(g,h,i)perylene	26.29	276	2337983	57.39	ng/ul	97

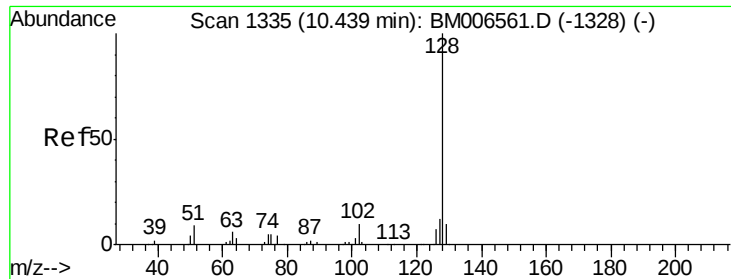
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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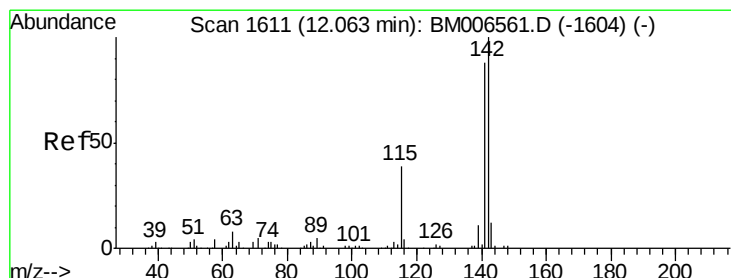
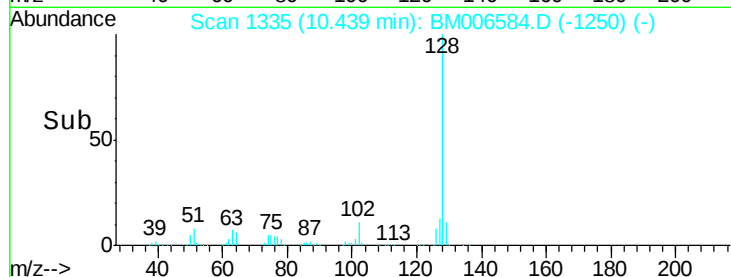
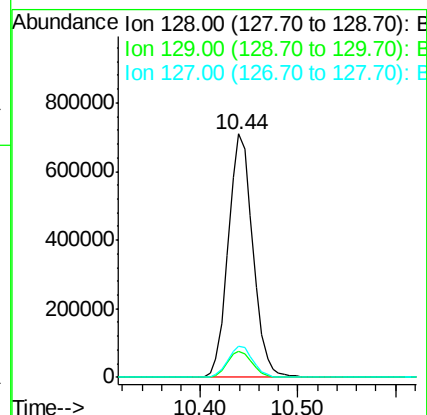
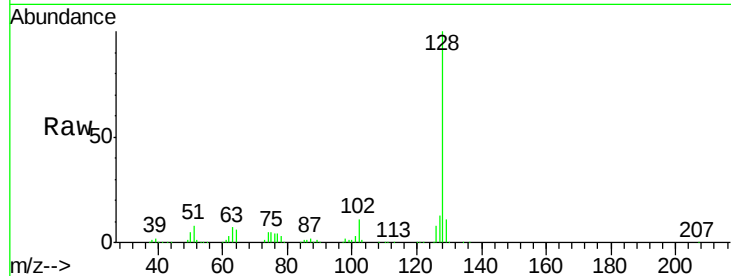




#11
Naphthalene
Concen: 52.52 ng/ul
RT: 10.44 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BM006584.D
Acq: 21 Jul 2016 10:33

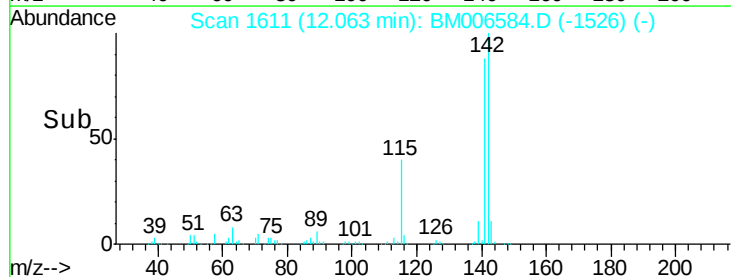
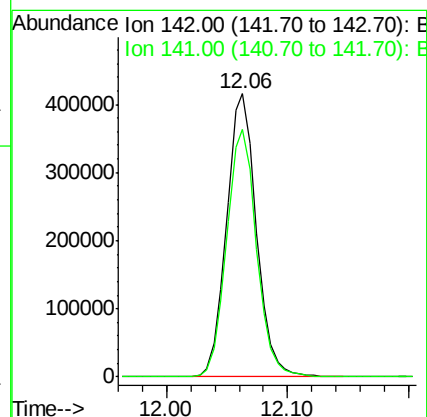
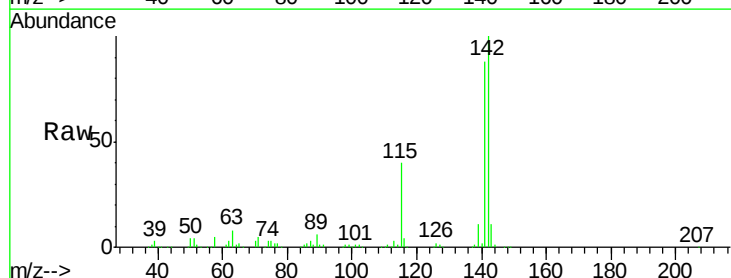
Instrument :
BNA_M
ClientSampleId :
D97K7

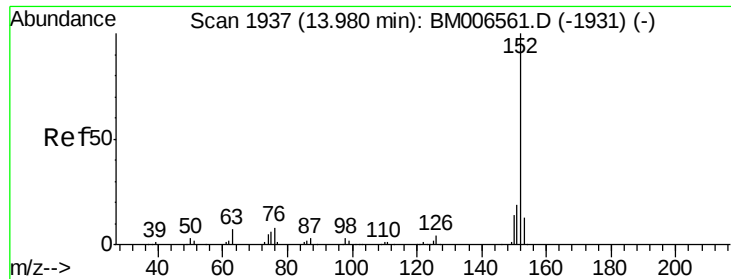
Tgt Ion:128 Resp: 1242940
Ion Ratio Lower Upper
128 100
129 10.7 8.3 12.5
127 13.0 10.8 16.2



#13
2-Methylnaphthalene
Concen: 40.89 ng/ul
RT: 12.06 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BM006584.D
Acq: 21 Jul 2016 10:33

Tgt Ion:142 Resp: 710160
Ion Ratio Lower Upper
142 100
141 87.6 71.3 106.9





#18

Acenaphthylene

Concen: 24.35 ng/ul

RT: 13.98 min Scan# 1937

Delta R.T. 0.00 min

Lab File: BM006584.D

Acq: 21 Jul 2016 10:33

Instrument :

BNA_M

ClientSampleId :

D97K7

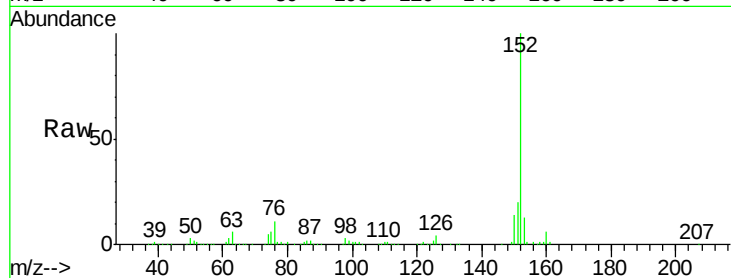
Tgt Ion:152 Resp: 672472

Ion Ratio Lower Upper

152 100

151 20.4 17.3 25.9

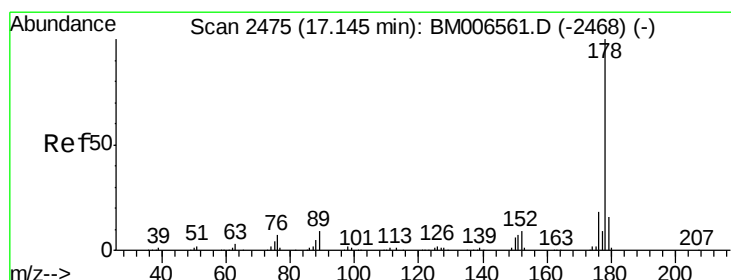
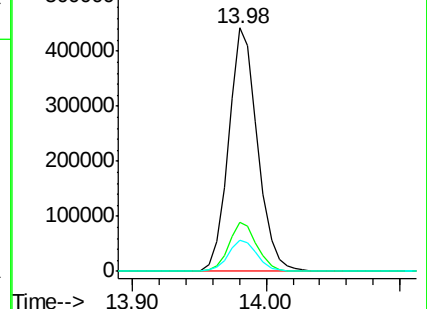
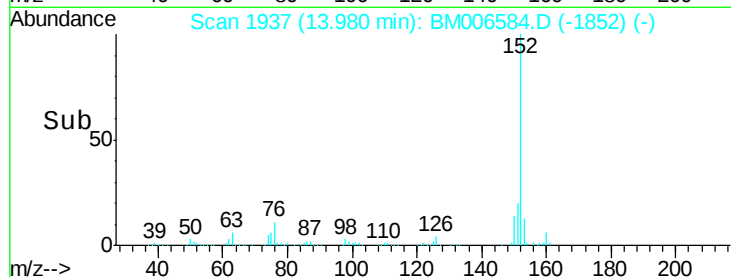
153 12.8 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#27

Anthracene

Concen: 51.99 ng/ul

RT: 17.15 min Scan# 2476

Delta R.T. 0.01 min

Lab File: BM006584.D

Acq: 21 Jul 2016 10:33

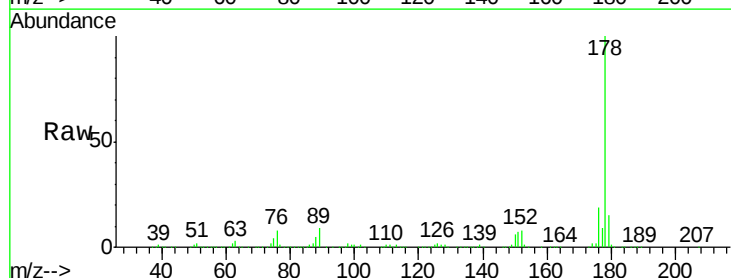
Tgt Ion:178 Resp: 1762250

Ion Ratio Lower Upper

178 100

179 15.4 12.9 19.3

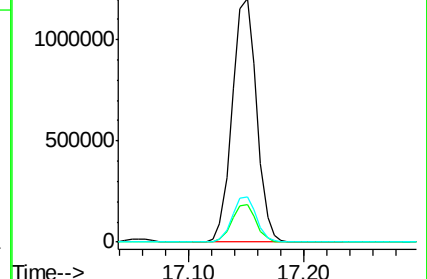
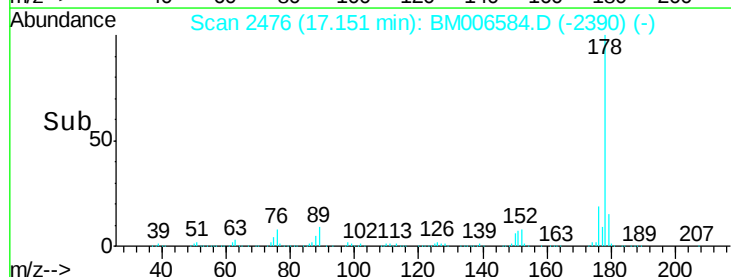
176 18.7 15.6 23.4

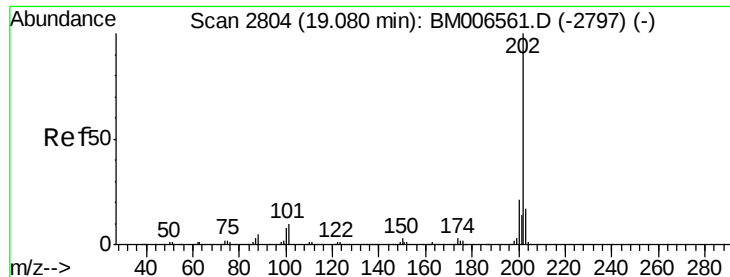


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

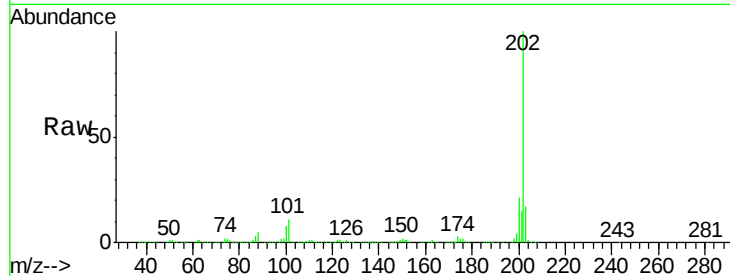




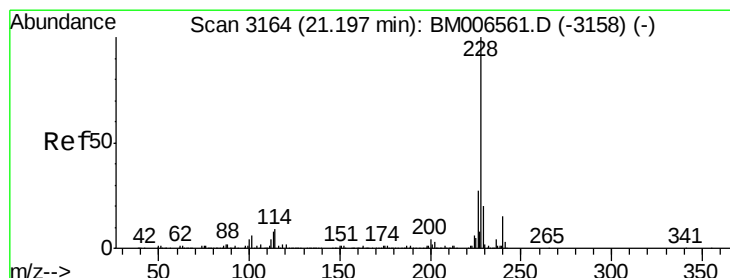
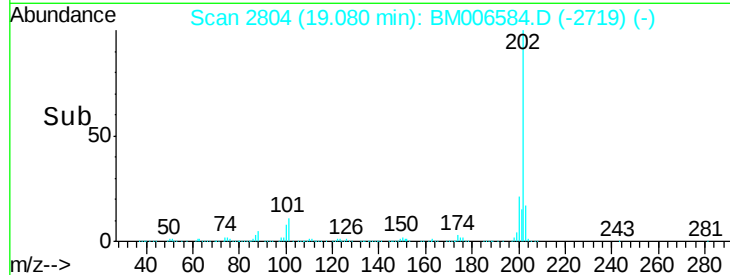
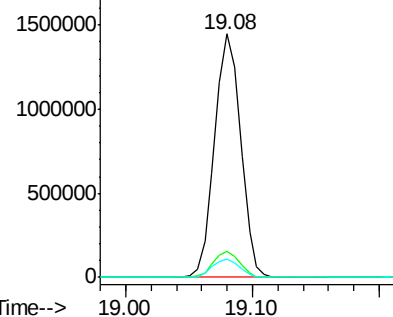
#28
 Fluoranthene
 Concen: 53.29 ng/ul
 RT: 19.08 min Scan# 2804
 Delta R.T. 0.00 min
 Lab File: BM006584.D
 Acq: 21 Jul 2016 10:33

Instrument :
 BNA_M
 ClientSampleId :
 D97K7

Tgt Ion:202 Resp: 2060747
 Ion Ratio Lower Upper
 202 100
 101 10.6 8.9 13.3
 100 7.8 7.0 10.4

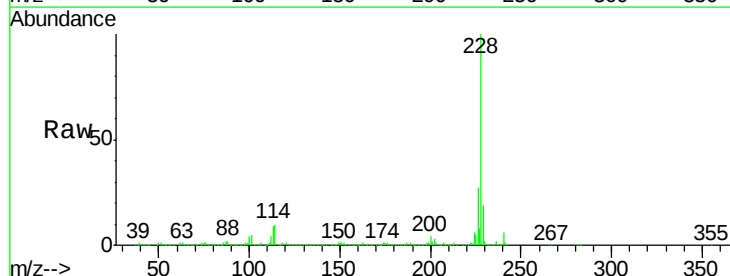


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

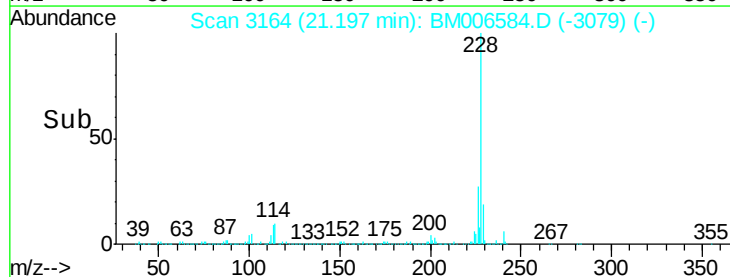
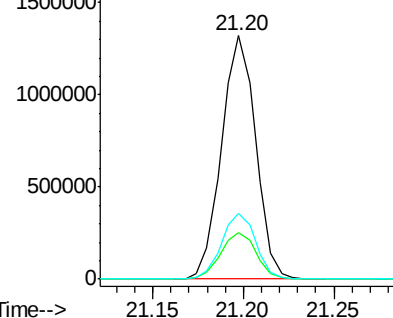


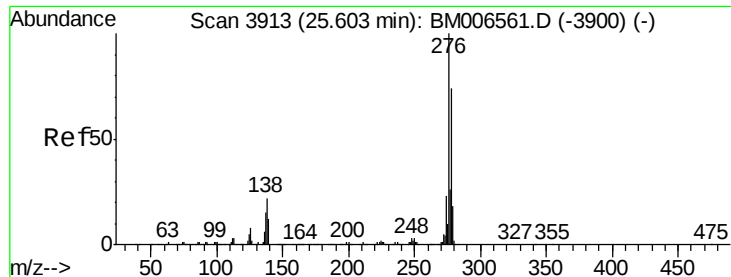
#32
 Benzo(a)anthracene
 Concen: 43.72 ng/ul
 RT: 21.20 min Scan# 3164
 Delta R.T. 0.00 min
 Lab File: BM006584.D
 Acq: 21 Jul 2016 10:33

Tgt Ion:228 Resp: 1733703
 Ion Ratio Lower Upper
 228 100
 229 19.2 16.6 25.0
 226 27.2 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





#39

Indeno(1,2,3-cd)pyrene

Concen: 52.47 ng/ul

RT: 25.61 min Scan# 3915

Delta R.T. 0.01 min

Lab File: BM006584.D

Acq: 21 Jul 2016 10:33

Instrument :

BNA_M

ClientSampleId :

D97K7

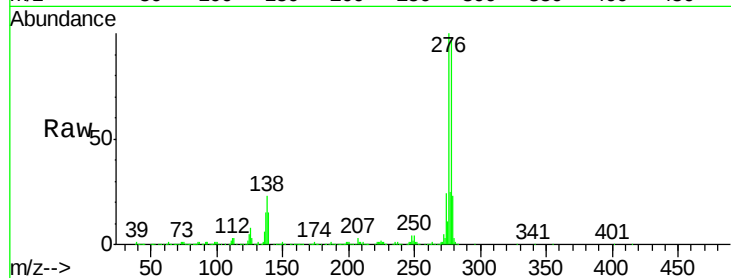
Tgt Ion:276 Resp: 2493942

Ion Ratio Lower Upper

276 100

138 23.3 15.8 23.6

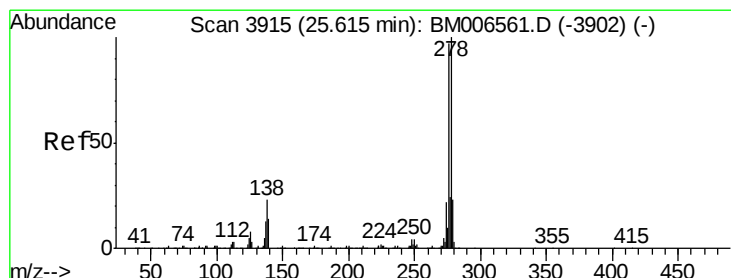
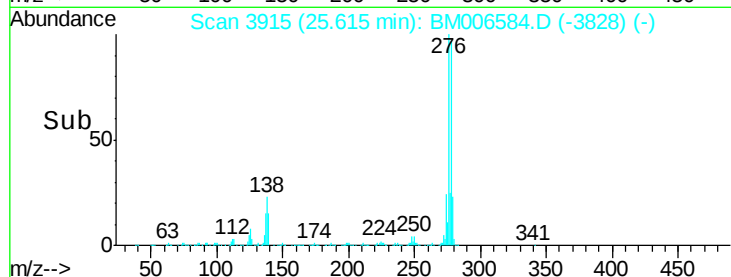
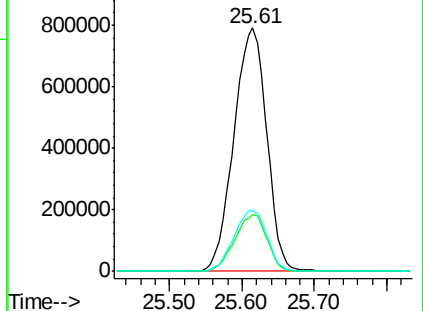
277 25.1 19.0 28.6



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: 55.09 ng/ul

RT: 25.62 min Scan# 3916

Delta R.T. 0.01 min

Lab File: BM006584.D

Acq: 21 Jul 2016 10:33

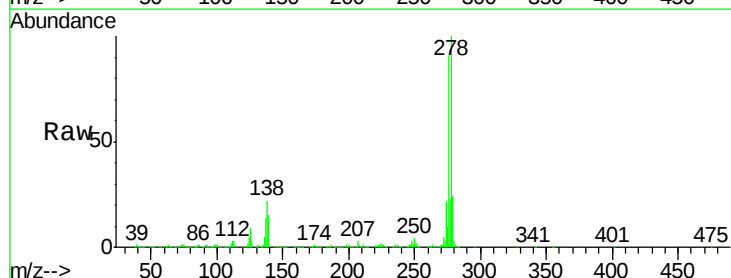
Tgt Ion:278 Resp: 2170271

Ion Ratio Lower Upper

278 100

139 14.8 12.1 18.1

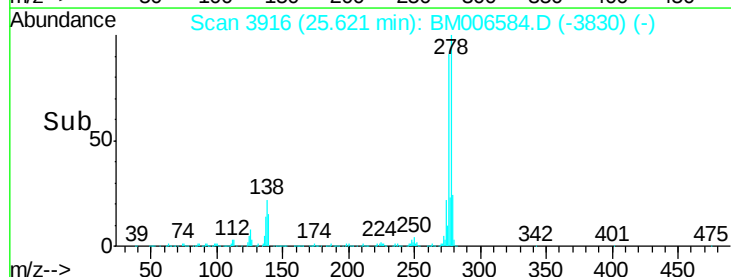
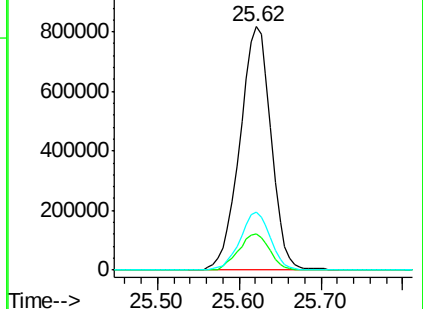
279 24.0 19.8 29.8

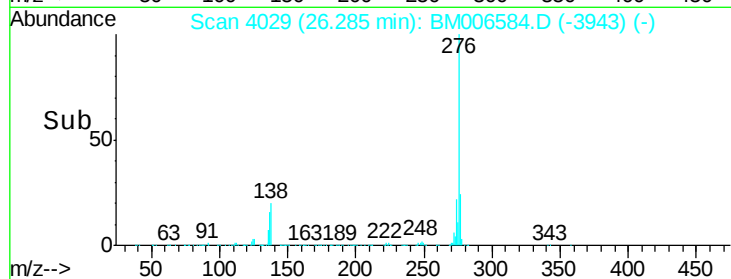
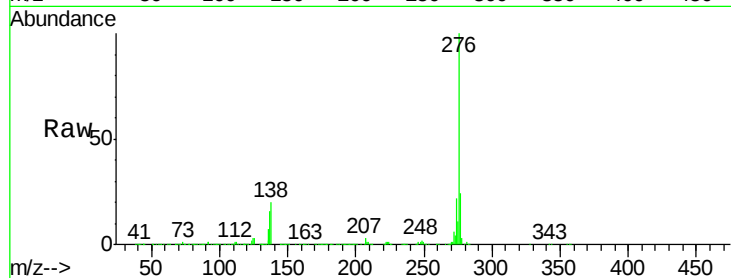
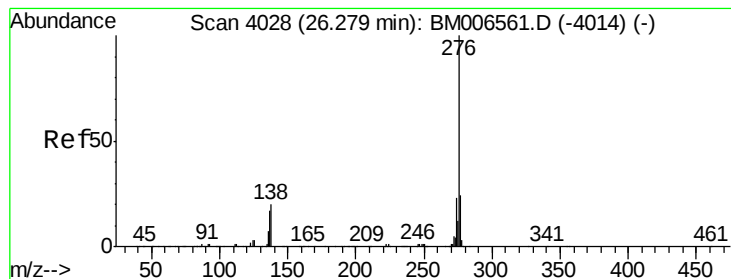


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41

Benzo(g,h,i)perylene

Concen: 57.39 ng/ul

RT: 26.29 min Scan# 4029

Delta R.T. 0.01 min

Lab File: BM006584.D

Acq: 21 Jul 2016 10:33

Instrument :

BNA_M

ClientSampleId :

D97K7

Tgt Ion:276 Resp: 2337983

Ion Ratio Lower Upper

276 100

138 19.8 13.9 20.9

277 24.0 19.8 29.6

