

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM063016\
 Data File : BM006169.D
 Acq On : 30 Jun 2016 22:12
 Operator : UM/SJ
 Sample : H3777-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YC4

Quant Time: Jul 01 00:59:49 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 29 00:57:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	244205	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	969048	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	503149	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	1083258	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	1164965	20.00	ng/ul	0.00
34) Perylene-d12	23.48	264	1248128	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	9377	1.78	ng/uL	0.00
3) Phenol-d5	6.84	99	338331	16.96	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	6.99	67	233131	19.82	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	287435	18.77	ng/ul	0.00
6) 4-Methylphenol-d8	8.37	113	237117	14.77	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	141682	21.71	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	152688	20.44	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.07	165	260987	19.15	ng/ul	0.01
12) 4-Chloroaniline-d4	10.58	131	190290	17.66	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	754768	20.93	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	980165	22.39	ng/ul	0.00
20) 4-Nitrophenol-d4	14.53	143	89535	13.08	ng/ul	0.02
21) Fluorene-d10	15.30	176	663219	21.55	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.44	200	83040	21.64	ng/ul	0.01
26) Anthracene-d10	17.16	188	996058	22.92	ng/ul	0.00
30) Pyrene-d10	19.46	212	1116824	23.81	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.34	264	1149985	23.15	ng/ul	0.02

Target Compounds

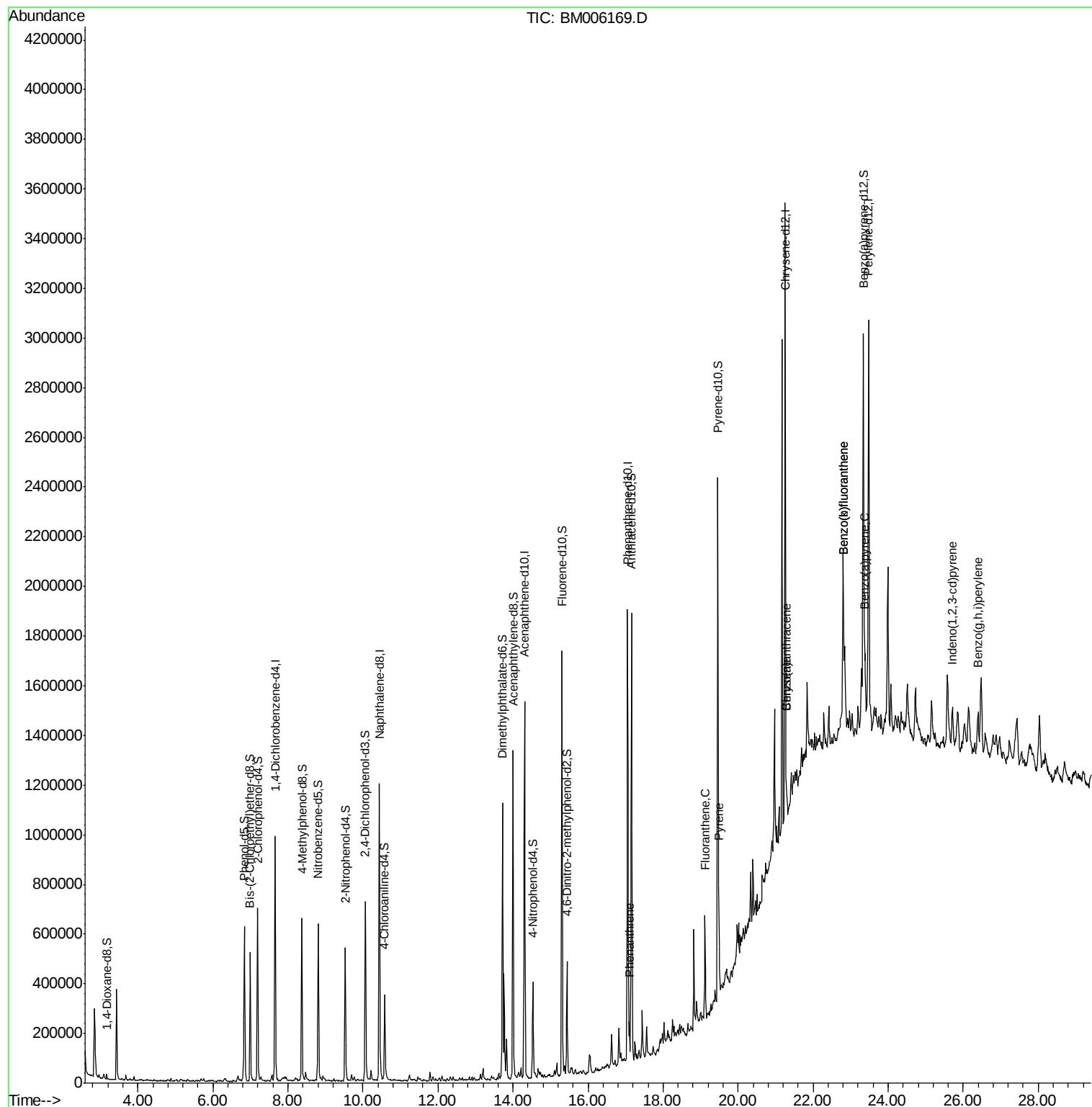
						Qvalue
25) Phenanthrene	17.10	178	91697	1.79	ng/ul	95
28) Fluoranthene	19.12	202	235300	3.75	ng/ul	99
31) Pyrene	19.49	202	202628	3.30	ng/ul	97
32) Benzo(a)anthracene	21.29	228	154286	2.55	ng/ul	92
33) Chrysene	21.29	228	154428	2.77	ng/ul	95
35) Benzo(b)fluoranthene	22.82	252	225803	3.49	ng/ul#	92
36) Benzo(k)fluoranthene	22.82	252	225803	3.72	ng/ul#	93
38) Benzo(a)pyrene	23.38	252	151721	2.48	ng/ul#	90
39) Indeno(1,2,3-cd)pyrene	25.71	276	127198	2.00	ng/ul	96
41) Benzo(g,h,i)perylene	26.40	276	179761	3.38	ng/ul	97

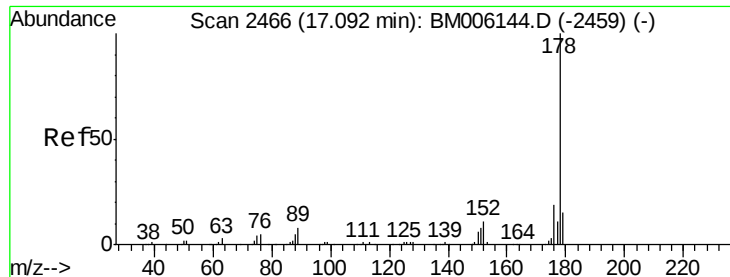
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 1.79 ng/ul

RT: 17.10 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BM006169.D

Acq: 30 Jun 2016 22:12

Instrument :

BNA_M

ClientSampleId :

D9YC4

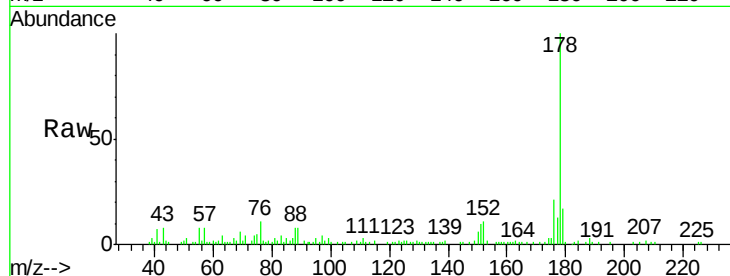
Tgt Ion:178 Resp: 91697

Ion Ratio Lower Upper

178 100

179 17.4 12.2 18.2

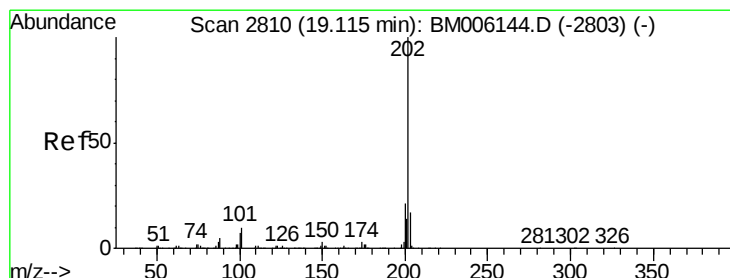
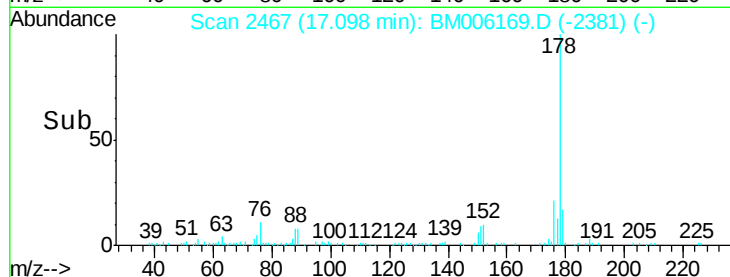
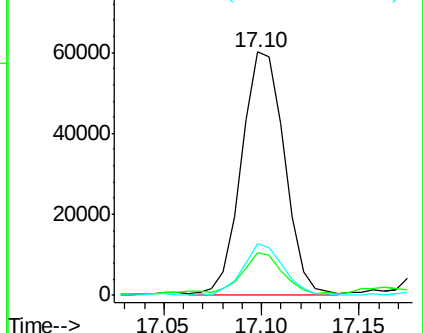
176 21.1 15.3 22.9



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: 3.75 ng/ul

RT: 19.12 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BM006169.D

Acq: 30 Jun 2016 22:12

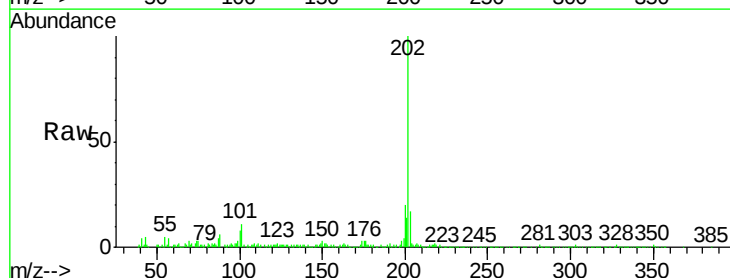
Tgt Ion:202 Resp: 235300

Ion Ratio Lower Upper

202 100

101 10.7 8.5 12.7

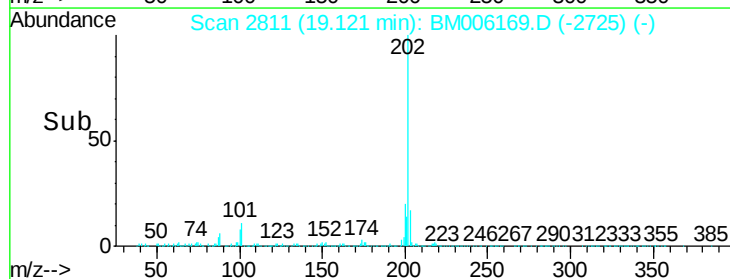
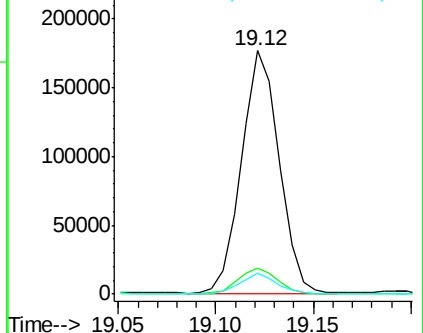
100 8.4 6.5 9.7

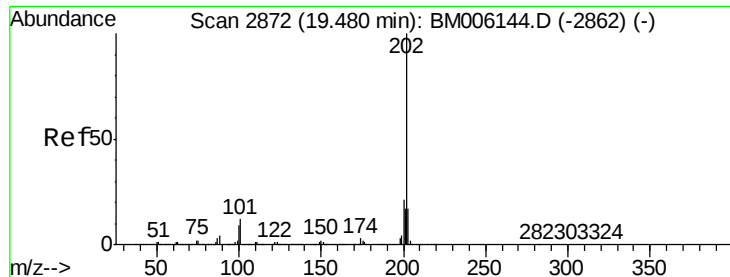


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

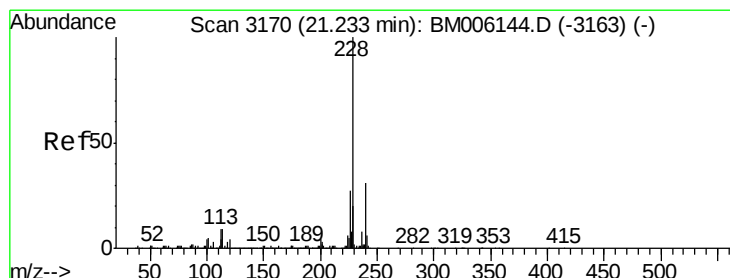
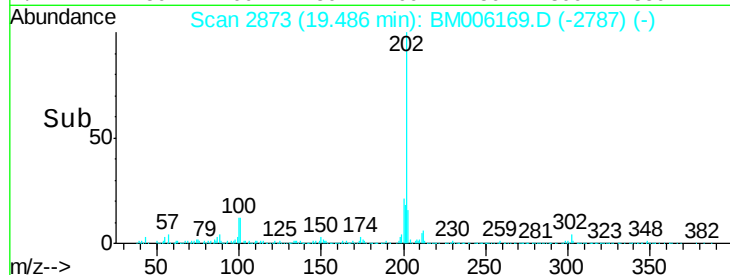
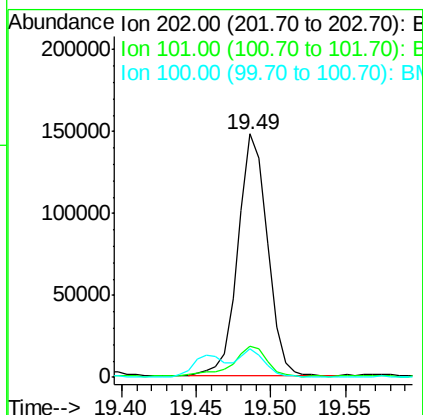
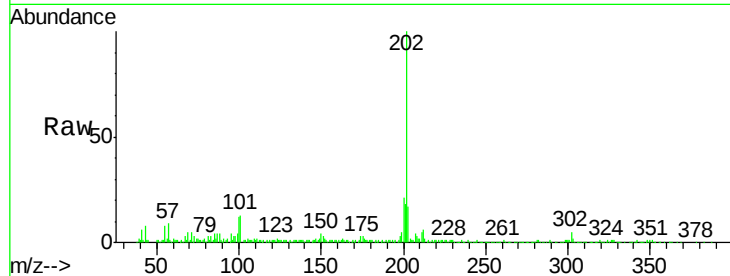




#31
 Pyrene
 Concen: 3.30 ng/ul
 RT: 19.49 min Scan# 2873
 Delta R.T. 0.01 min
 Lab File: BM006169.D
 Acq: 30 Jun 2016 22:12

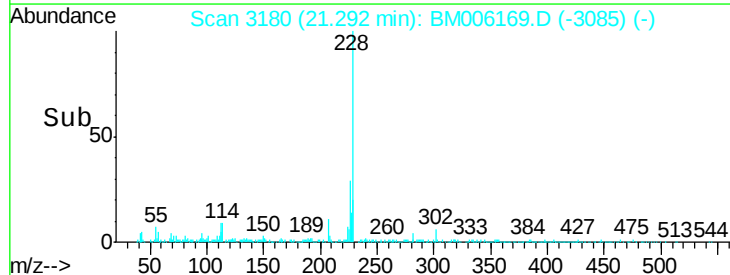
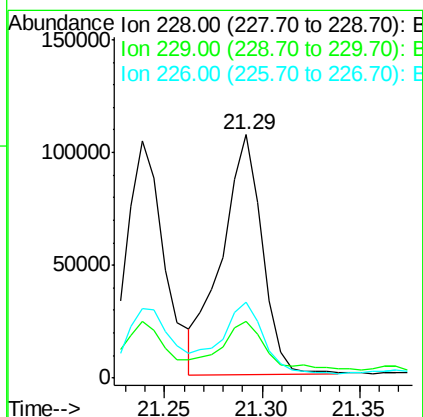
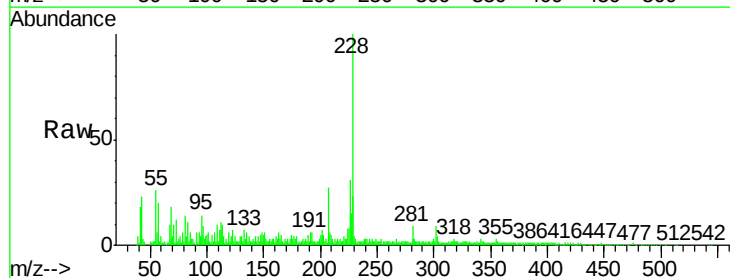
Instrument :
 BNA_M
 ClientSampleId :
 D9YC4

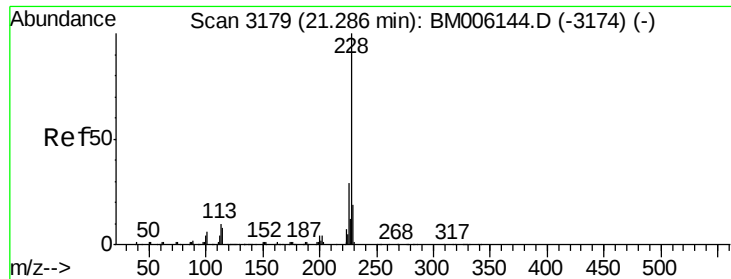
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	11.0	16.4
100	12.0	8.9	13.3



#32
 Benzo(a)anthracene
 Concen: 2.55 ng/ul
 RT: 21.29 min Scan# 3180
 Delta R.T. 0.06 min
 Lab File: BM006169.D
 Acq: 30 Jun 2016 22:12

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.2	15.6	23.4
226	31.0	21.6	32.4





#33

Chrysene

Concen: 2.77 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. 0.01 min

Lab File: BM006169.D

Acq: 30 Jun 2016 22:12

Instrument :

BNA_M

ClientSampleId :

D9YC4

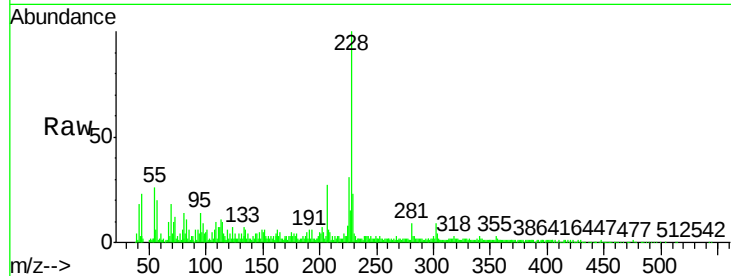
Tgt Ion:228 Resp: 154428

Ion Ratio Lower Upper

228 100

226 31.0 23.8 35.6

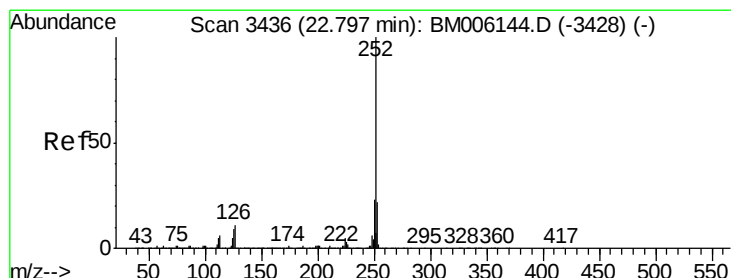
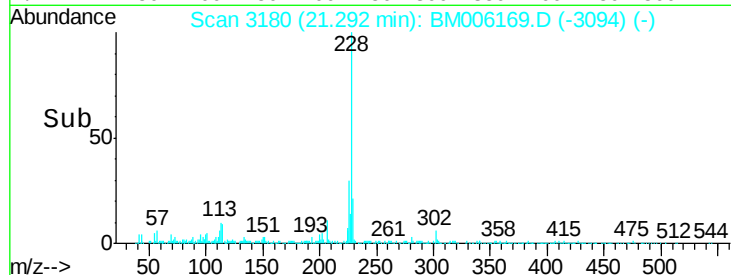
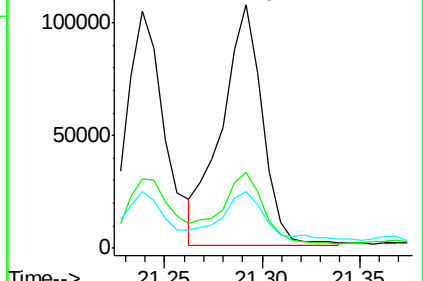
229 23.2 15.8 23.6



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: 3.49 ng/ul

RT: 22.82 min Scan# 3439

Delta R.T. 0.02 min

Lab File: BM006169.D

Acq: 30 Jun 2016 22:12

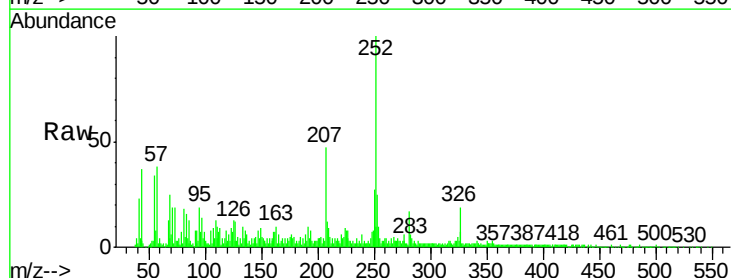
Tgt Ion:252 Resp: 225803

Ion Ratio Lower Upper

252 100

253 25.1 17.2 25.8

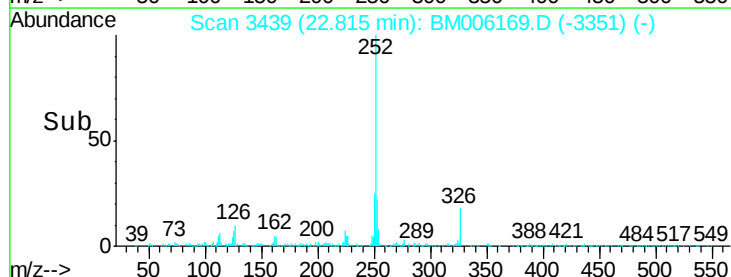
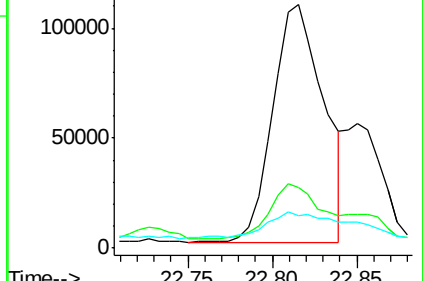
125 13.1 7.8 11.6#

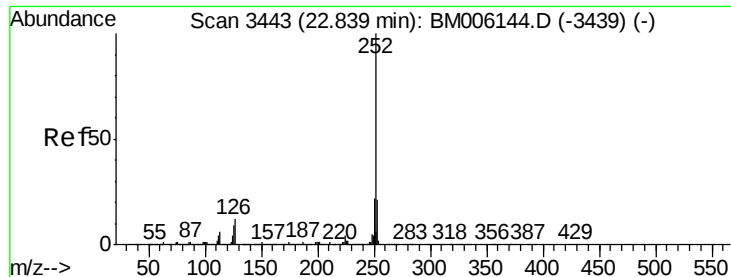


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 3.72 ng/ul

RT: 22.82 min Scan# 3439

Delta R.T. -0.03 min

Lab File: BM006169.D

Acq: 30 Jun 2016 22:12

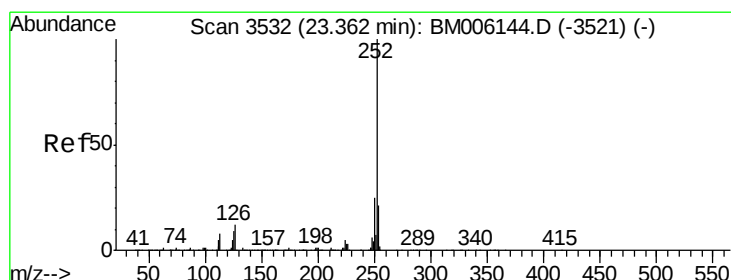
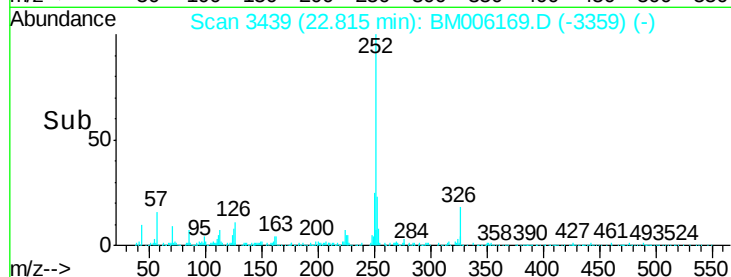
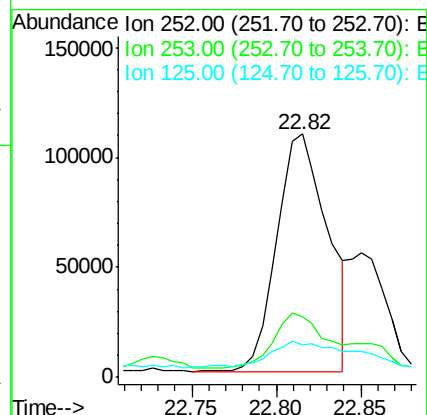
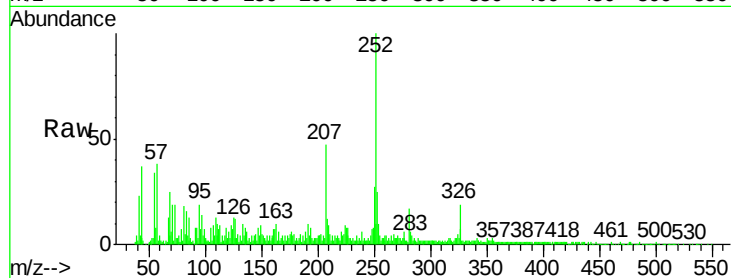
Instrument :

BNA_M

ClientSampleId :

D9YC4

Tgt Ion:	252	Resp:	225803
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.6	26.4
125	13.1	8.1	12.1#



#38

Benzo(a)pyrene

Concen: 2.48 ng/ul

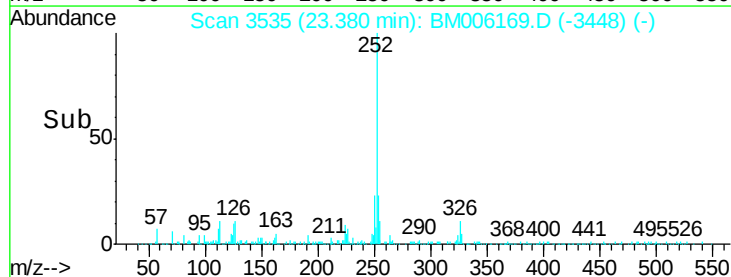
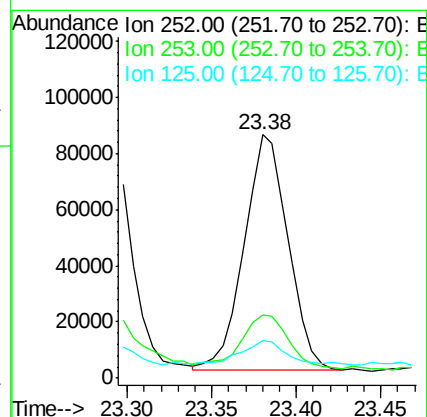
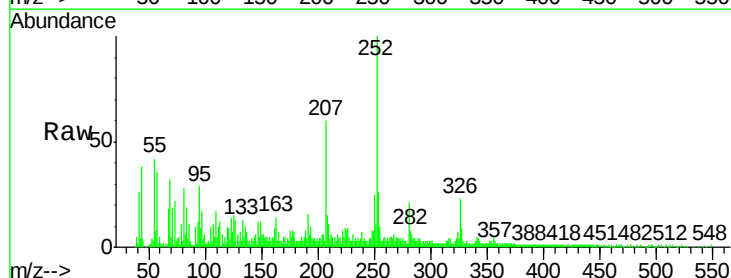
RT: 23.38 min Scan# 3535

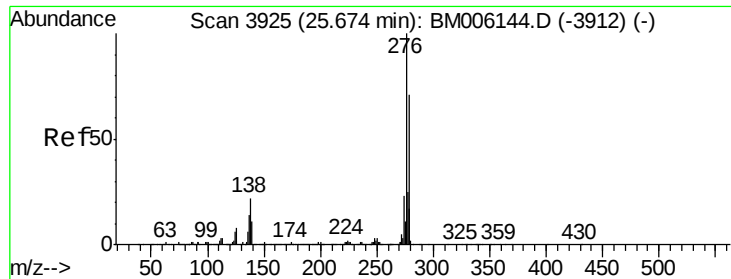
Delta R.T. 0.01 min

Lab File: BM006169.D

Acq: 30 Jun 2016 22:12

Tgt Ion:	252	Resp:	151721
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.8	26.6
125	15.4	8.7	13.1#





#39

Indeno(1,2,3-cd)pyrene

Concen: 2.00 ng/ul

RT: 25.71 min Scan# 3931

Delta R.T. 0.02 min

Lab File: BM006169.D

Acq: 30 Jun 2016 22:12

Instrument :

BNA_M

ClientSampleId :

D9YC4

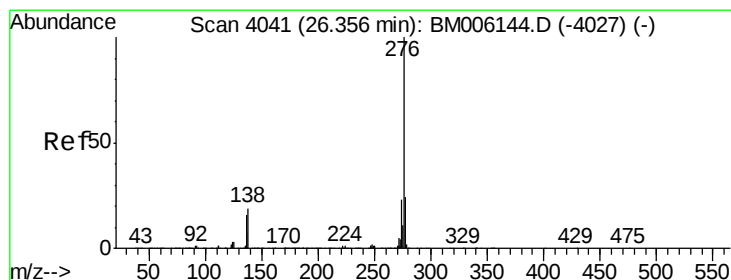
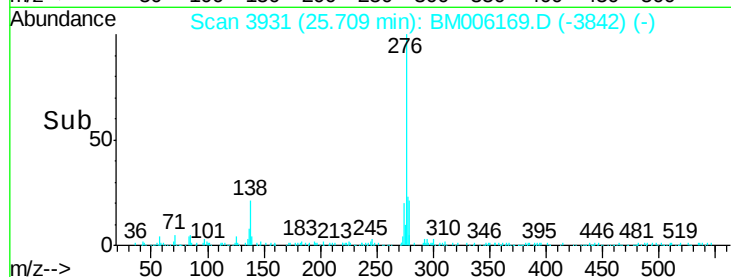
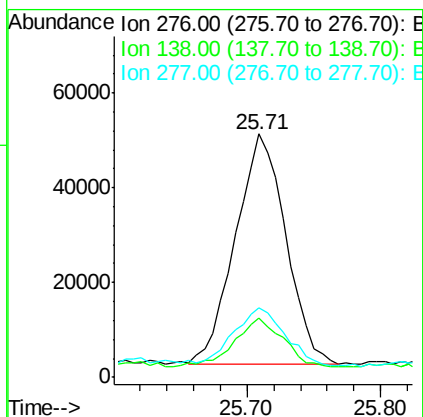
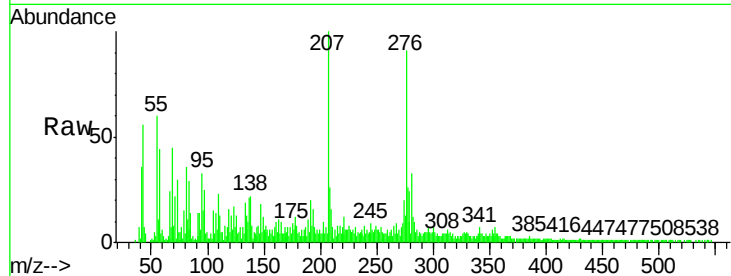
Tgt Ion:276 Resp: 127198

Ion Ratio Lower Upper

276 100

138 24.3 20.4 30.6

277 28.6 20.6 30.8



#41

Benzo(g,h,i)perylene

Concen: 3.38 ng/ul

RT: 26.40 min Scan# 4048

Delta R.T. 0.04 min

Lab File: BM006169.D

Acq: 30 Jun 2016 22:12

Tgt Ion:276 Resp: 179761

Ion Ratio Lower Upper

276 100

138 20.0 16.6 25.0

277 25.6 18.9 28.3

