

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM063016\
 Data File : BM006171.D
 Acq On : 30 Jun 2016 23:24
 Operator : UM/SJ
 Sample : H3777-16MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YC4MSD

Quant Time: Jul 01 01:00:10 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	220300	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	866737	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	452983	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	993758	20.00	ng/ul	0.01
29) Chrysene-d12	21.26	240	1075523	20.00	ng/ul	0.00
34) Perylene-d12	23.49	264	1161493	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	7462	1.57	ng/uL	0.00
3) Phenol-d5	6.84	99	313078	17.40	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	6.99	67	204574	19.28	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	257802	18.66	ng/ul	0.00
6) 4-Methylphenol-d8	8.37	113	221577	15.30	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	127576	21.85	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	135199	20.23	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.07	165	237282	19.46	ng/ul	0.01
12) 4-Chloroaniline-d4	10.58	131	166040	17.23	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	668880	20.60	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	873648	22.17	ng/ul	0.00
20) 4-Nitrophenol-d4	14.53	143	95588	15.52	ng/ul	0.02
21) Fluorene-d10	15.30	176	591013	21.33	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.44	200	69829	19.84	ng/ul	0.01
26) Anthracene-d10	17.16	188	898969	22.55	ng/ul	0.00
30) Pyrene-d10	19.46	212	1004860	23.20	ng/ul	0.01
37) Benzo(a)pyrene-d12	23.34	264	1033244	22.35	ng/ul	0.02

Target Compounds

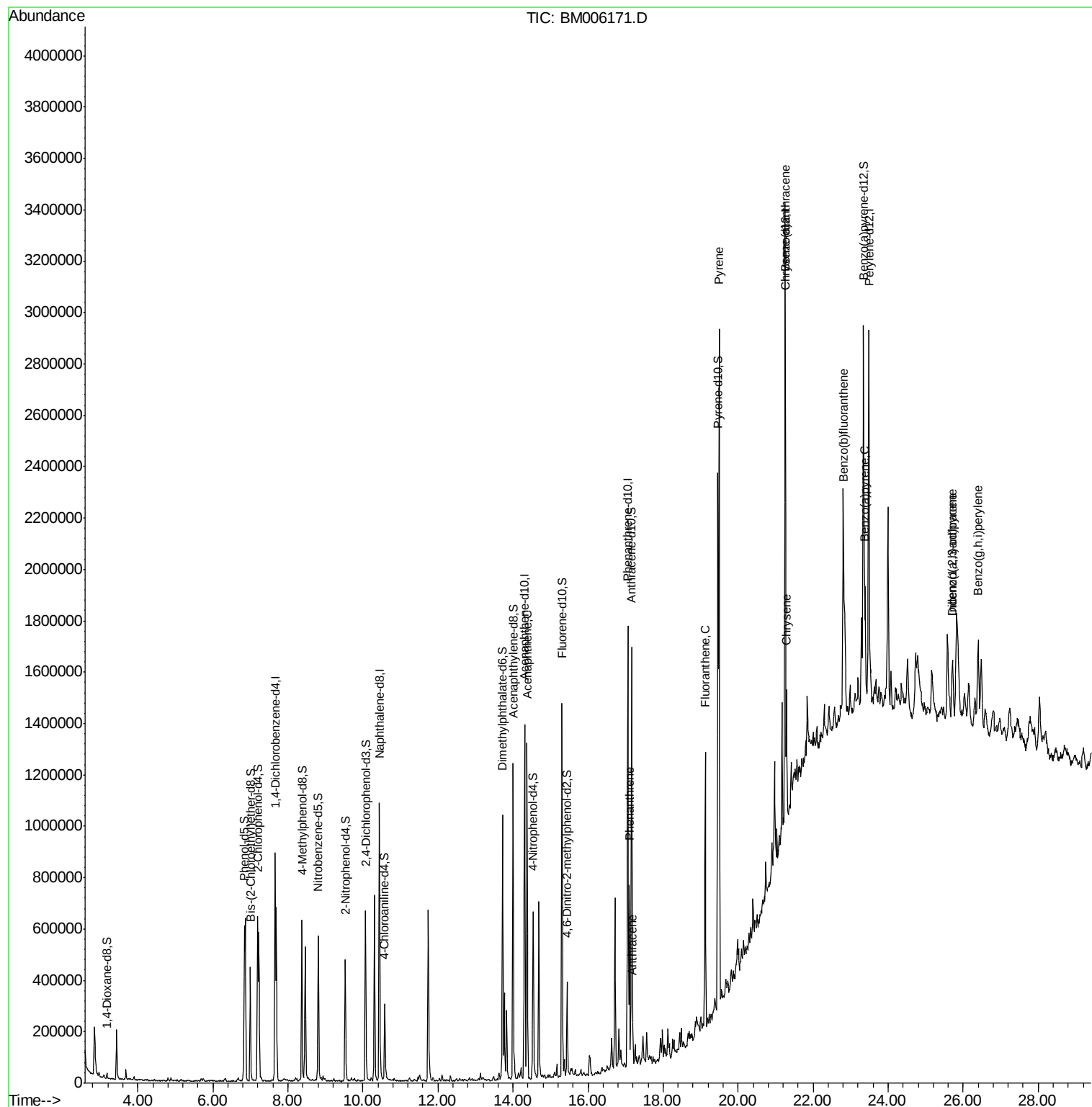
						Qvalue
19) Acenaphthene	14.37	153	525594	19.96	ng/ul	99
25) Phenanthrene	17.10	178	420263	8.94	ng/ul	99
27) Anthracene	17.19	178	91882	1.90	ng/ul	99
28) Fluoranthene	19.13	202	658463	11.43	ng/ul	99
31) Pyrene	19.49	202	1607284	28.33	ng/ul	96
32) Benzo(a)anthracene	21.24	228	299565	5.36	ng/ul	95
33) Chrysene	21.29	228	302461	5.87	ng/ul	95
35) Benzo(b)fluoranthene	22.81	252	440640	7.31	ng/ul#	93
38) Benzo(a)pyrene	23.39	252	281702	4.95	ng/ul#	94
39) Indeno(1,2,3-cd)pyrene	25.71	276	216527	3.66	ng/ul#	93
40) Dibenzo(a,h)anthracene	25.71	278	66817	1.36	ng/ul#	77
41) Benzo(g,h,i)perylene	26.40	276	267709	5.40	ng/ul	96

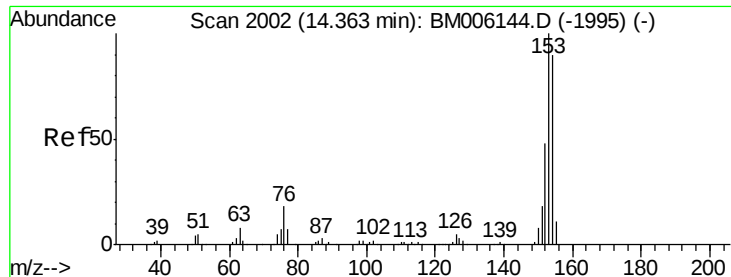
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 29 00:57:09 2016
Response via : Initial Calibration





#19

Acenaphthene

Concen: 19.96 ng/ul

RT: 14.37 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BM006171.D

Acq: 30 Jun 2016 23:24

Instrument :

BNA_M

ClientSampleId :

D9YC4MSD

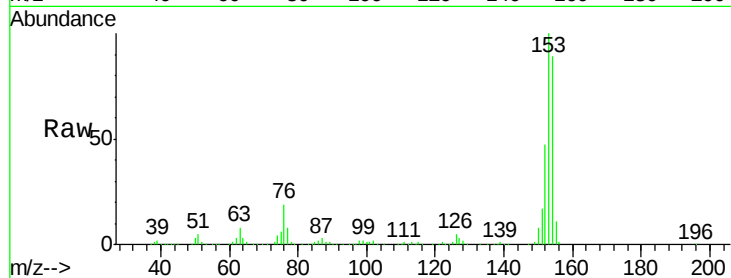
Tgt Ion:153 Resp: 525594

Ion Ratio Lower Upper

153 100

152 47.4 38.1 57.1

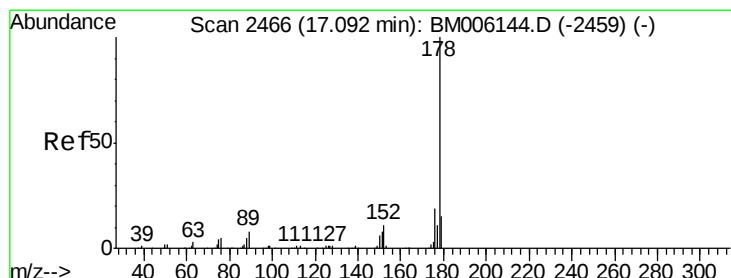
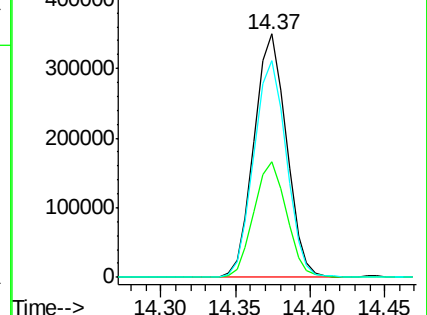
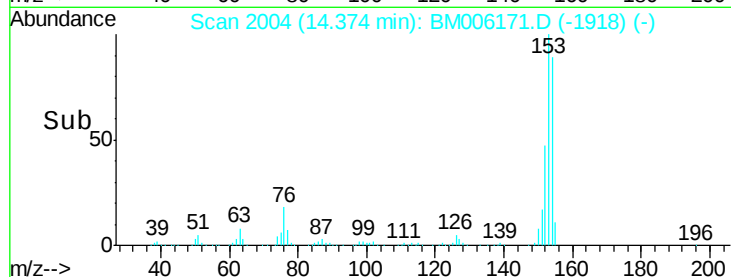
154 88.9 71.6 107.4



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#25

Phenanthrene

Concen: 8.94 ng/ul

RT: 17.10 min Scan# 2468

Delta R.T. 0.01 min

Lab File: BM006171.D

Acq: 30 Jun 2016 23:24

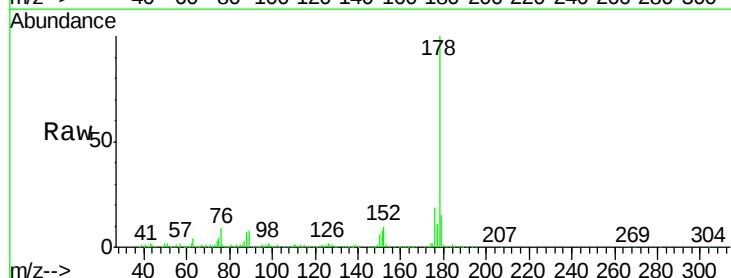
Tgt Ion:178 Resp: 420263

Ion Ratio Lower Upper

178 100

179 14.8 12.2 18.2

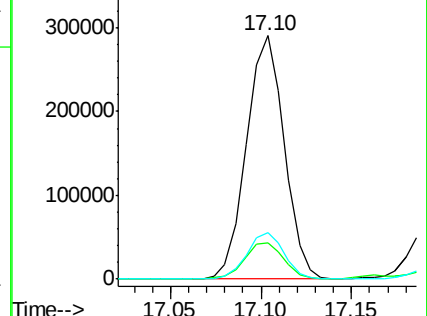
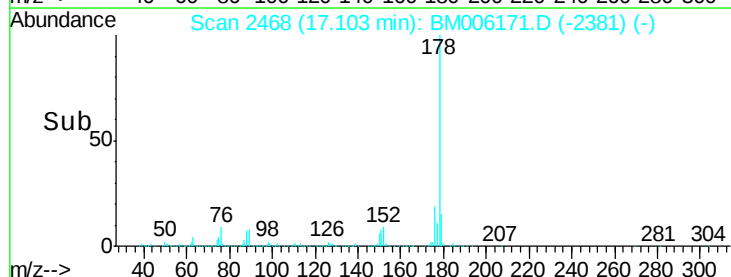
176 18.8 15.3 22.9

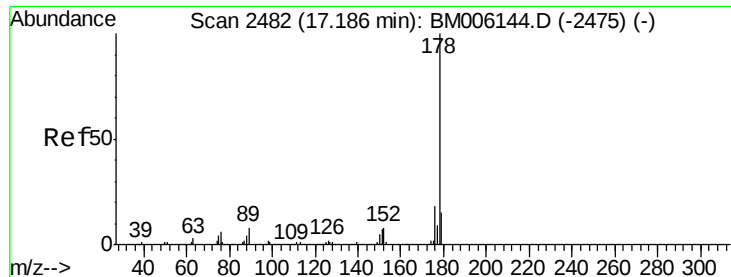


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

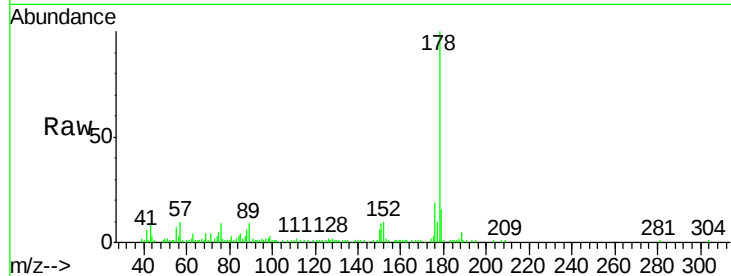




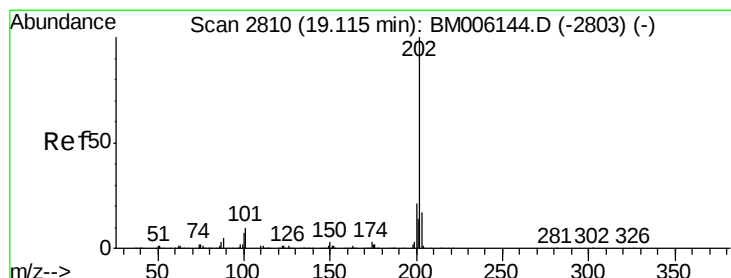
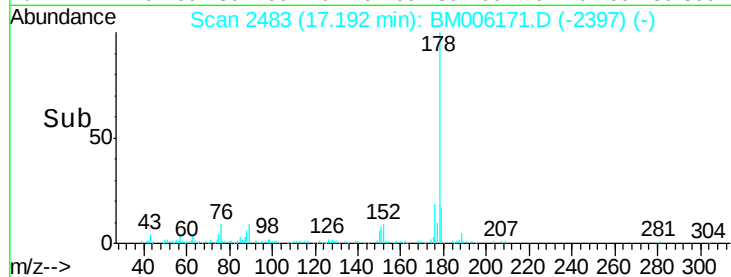
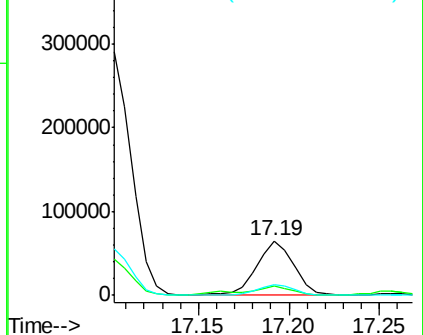
#27
 Anthracene
 Concen: 1.90 ng/ul
 RT: 17.19 min Scan# 2483
 Delta R.T. 0.01 min
 Lab File: BM006171.D
 Acq: 30 Jun 2016 23:24

Instrument :
 BNA_M
 ClientSampleId :
 D9YC4MSD

Tgt Ion:178 Resp: 91882
 Ion Ratio Lower Upper
 178 100
 179 16.5 12.3 18.5
 176 18.5 14.6 22.0

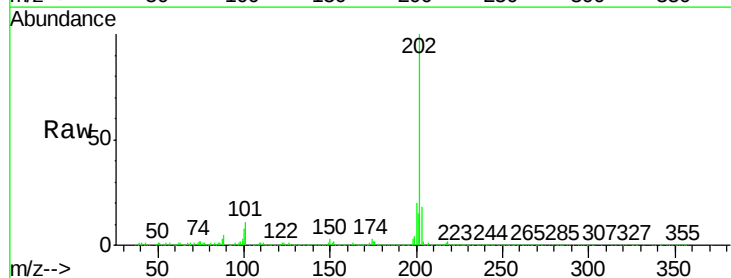


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

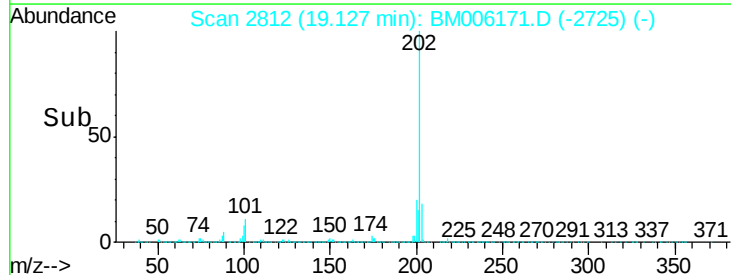
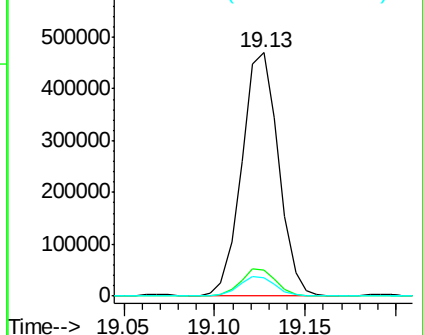


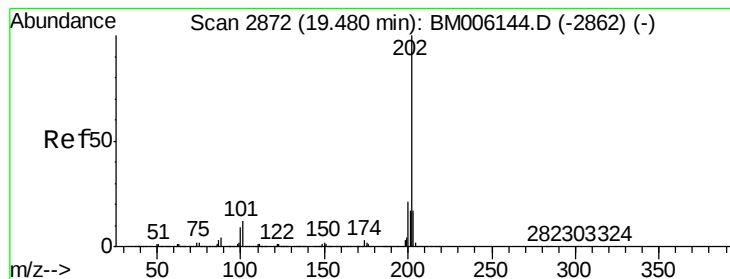
#28
 Fluoranthene
 Concen: 11.43 ng/ul
 RT: 19.13 min Scan# 2812
 Delta R.T. 0.01 min
 Lab File: BM006171.D
 Acq: 30 Jun 2016 23:24

Tgt Ion:202 Resp: 658463
 Ion Ratio Lower Upper
 202 100
 101 10.6 8.5 12.7
 100 7.7 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: 28.33 ng/ul

RT: 19.49 min Scan# 2874

Delta R.T. 0.01 min

Lab File: BM006171.D

Acq: 30 Jun 2016 23:24

Instrument :

BNA_M

ClientSampleId :

D9YC4MSD

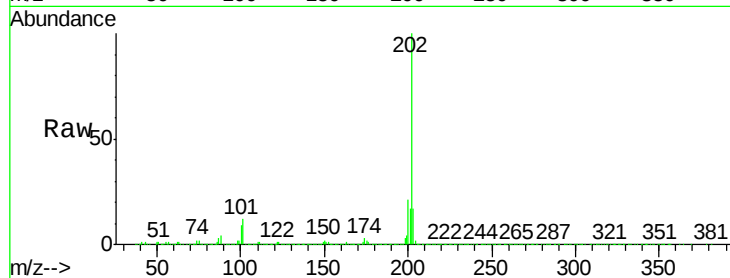
Tgt Ion:202 Resp: 1607284

Ion Ratio Lower Upper

202 100

101 12.0 11.0 16.4

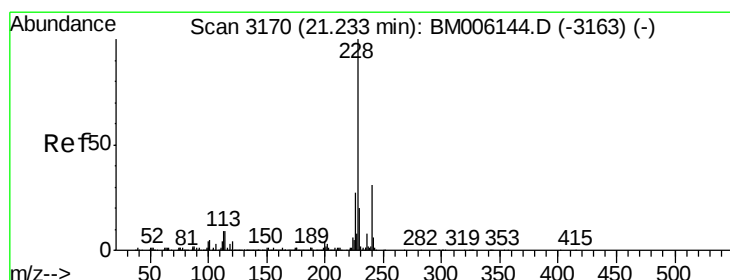
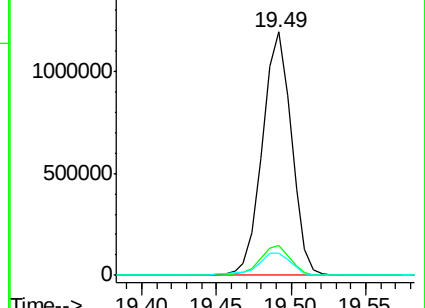
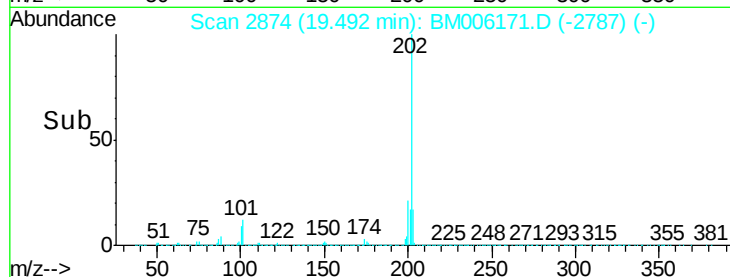
100 9.3 8.9 13.3



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: 5.36 ng/ul

RT: 21.24 min Scan# 3172

Delta R.T. 0.01 min

Lab File: BM006171.D

Acq: 30 Jun 2016 23:24

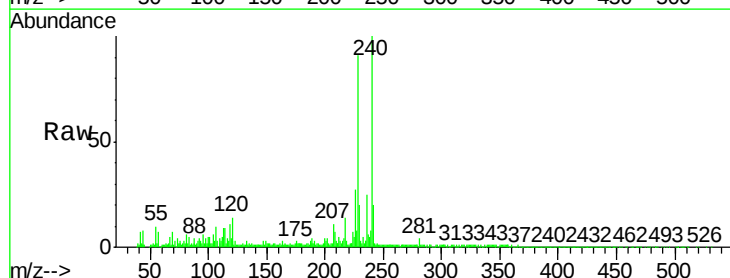
Tgt Ion:228 Resp: 299565

Ion Ratio Lower Upper

228 100

229 22.5 15.6 23.4

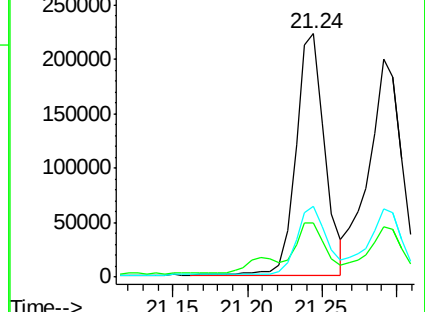
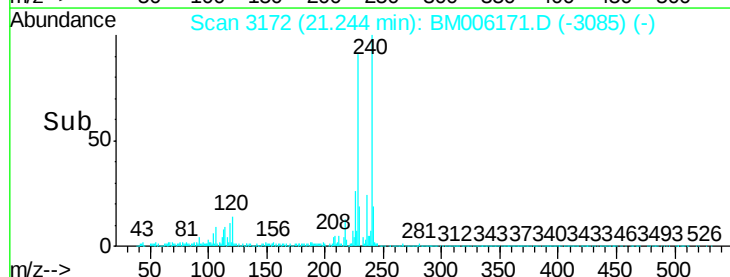
226 29.1 21.6 32.4

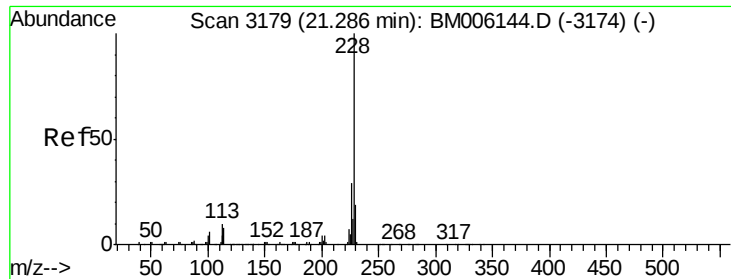


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 5.87 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. 0.01 min

Lab File: BM006171.D

Acq: 30 Jun 2016 23:24

Instrument :

BNA_M

ClientSampleId :

D9YC4MSD

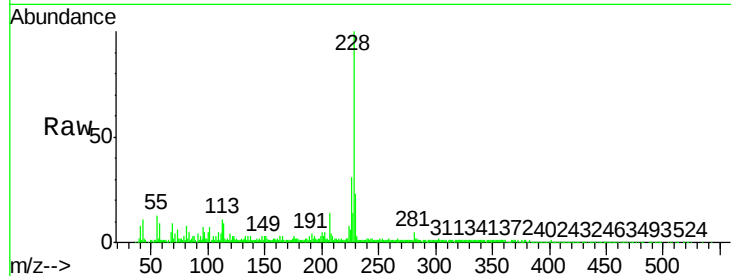
Tgt Ion:228 Resp: 302461

Ion Ratio Lower Upper

228 100

226 31.2 23.8 35.6

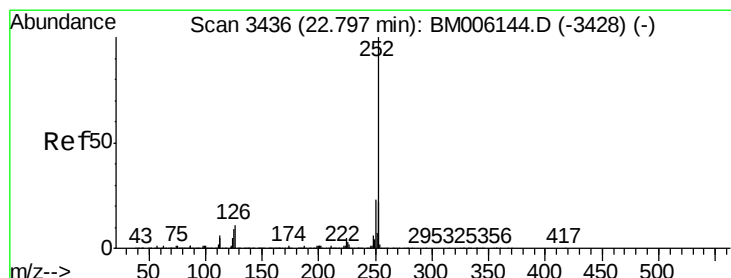
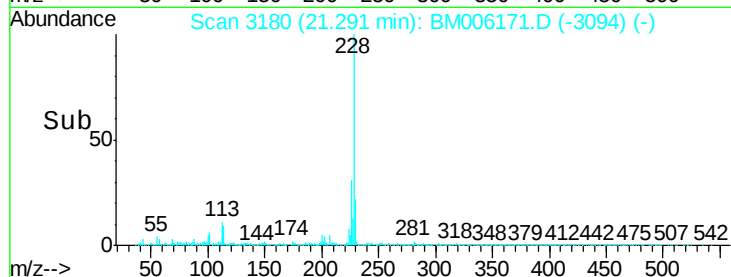
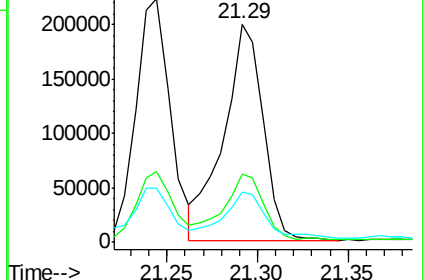
229 23.3 15.8 23.6



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: 7.31 ng/ul

RT: 22.81 min Scan# 3439

Delta R.T. 0.02 min

Lab File: BM006171.D

Acq: 30 Jun 2016 23:24

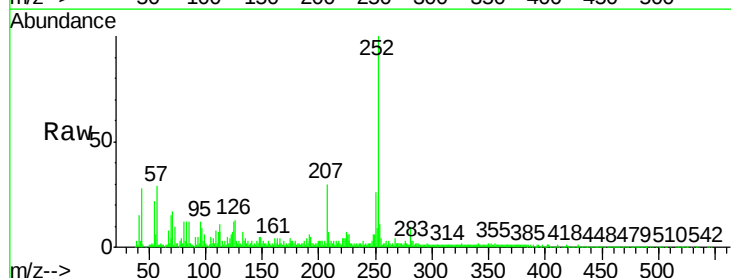
Tgt Ion:252 Resp: 440640

Ion Ratio Lower Upper

252 100

253 24.4 17.2 25.8

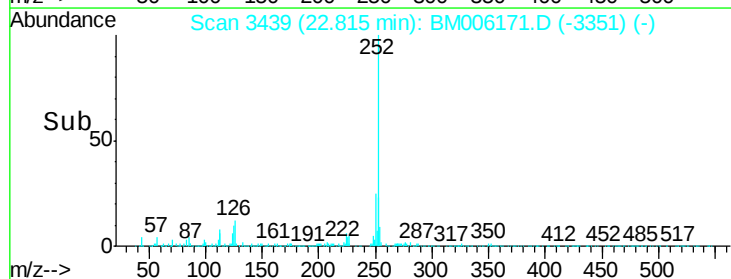
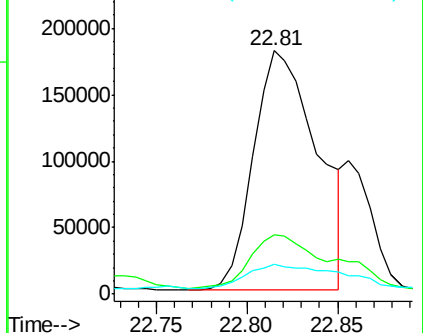
125 12.4 7.8 11.6#

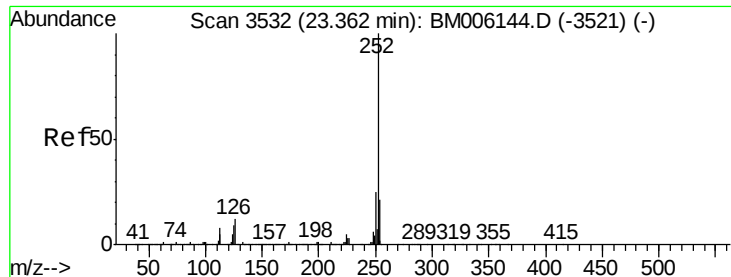


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 4.95 ng/ul

RT: 23.39 min Scan# 3536

Delta R.T. 0.02 min

Lab File: BM006171.D

Acq: 30 Jun 2016 23:24

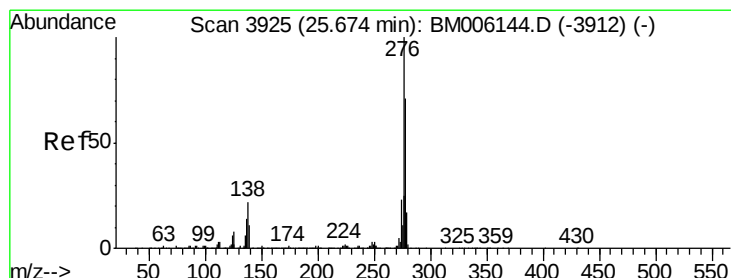
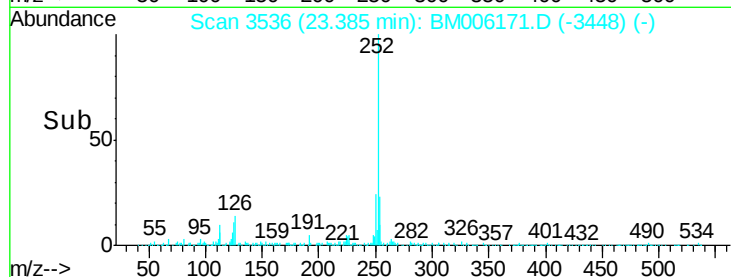
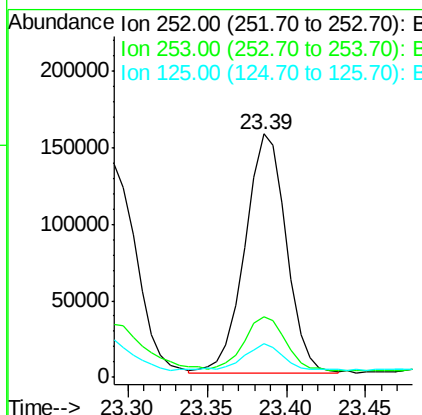
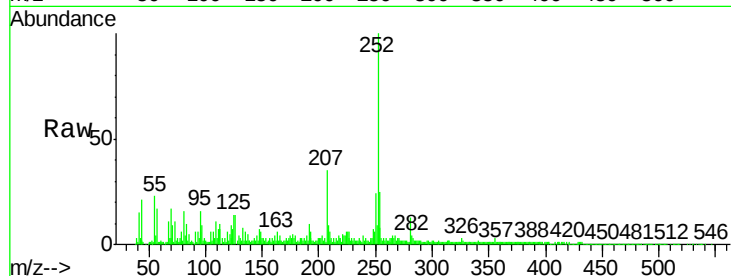
Instrument :

BNA_M

ClientSampleId :

D9YC4MSD

Tgt Ion:	252	Resp:	281702
Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.6
125	13.6	8.7	13.1#



#39

Indeno(1,2,3-cd)pyrene

Concen: 3.66 ng/ul

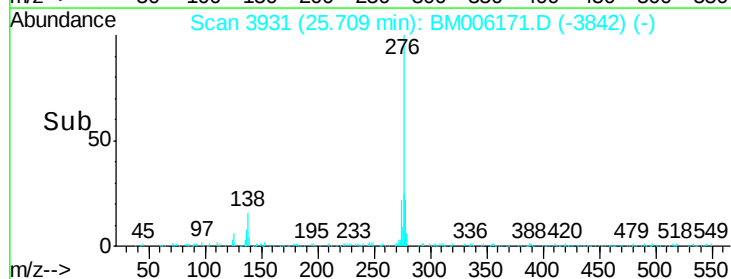
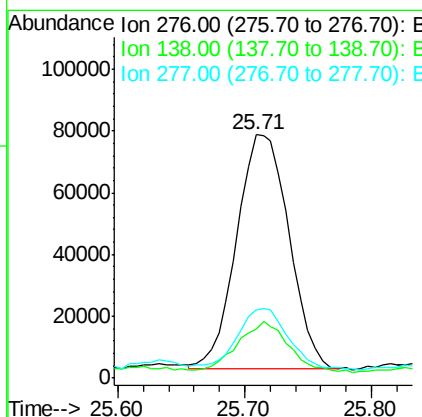
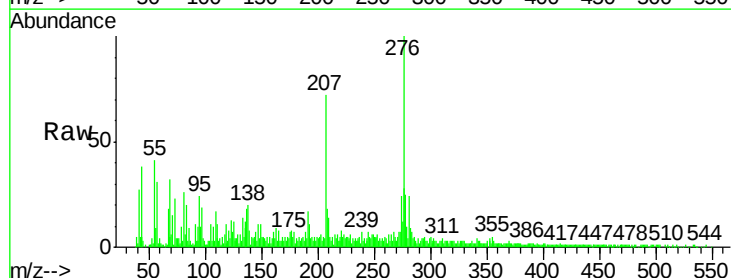
RT: 25.71 min Scan# 3931

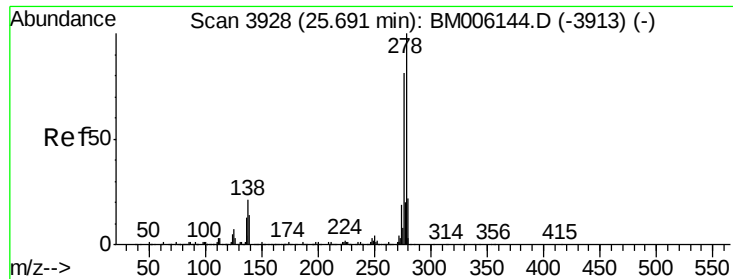
Delta R.T. 0.02 min

Lab File: BM006171.D

Acq: 30 Jun 2016 23:24

Tgt Ion:	276	Resp:	216527
Ion	Ratio	Lower	Upper
276	100		
138	20.1	20.4	30.6#
277	27.8	20.6	30.8





#40

Dibenzo(a,h)anthracene

Concen: 1.36 ng/ul

RT: 25.71 min Scan# 3932

Delta R.T. 0.02 min

Lab File: BM006171.D

Acq: 30 Jun 2016 23:24

Instrument :

BNA_M

ClientSampleId :

D9YC4MSD

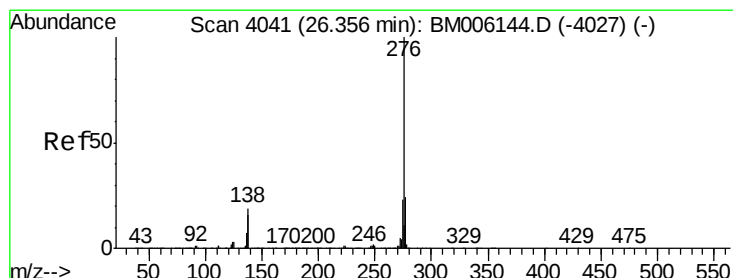
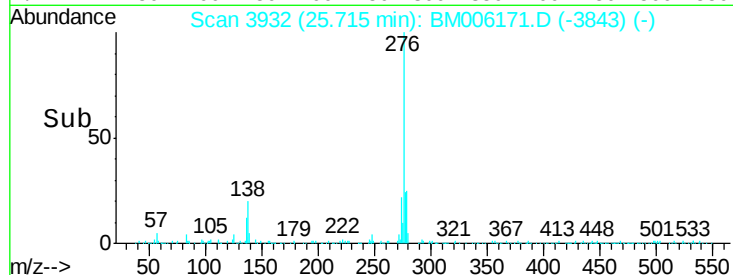
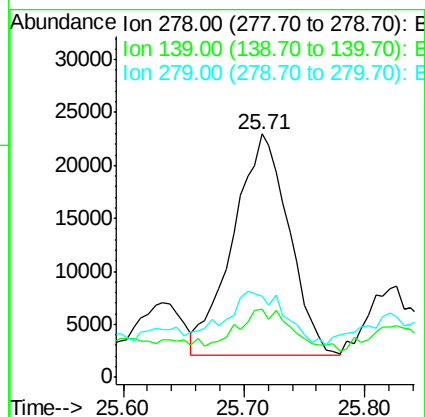
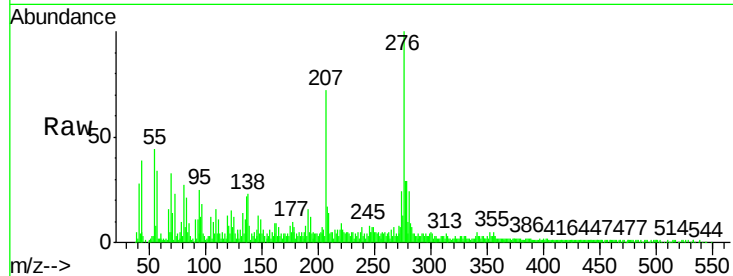
Tgt Ion:278 Resp: 66817

Ion Ratio Lower Upper

278 100

139 28.1 13.0 19.4#

279 33.3 18.8 28.2#



#41

Benzo(g,h,i)perylene

Concen: 5.40 ng/ul

RT: 26.40 min Scan# 4049

Delta R.T. 0.05 min

Lab File: BM006171.D

Acq: 30 Jun 2016 23:24

Tgt Ion:276 Resp: 267709

Ion Ratio Lower Upper

276 100

138 21.1 16.6 25.0

277 26.6 18.9 28.3

