

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062916\
 Data File : BM006134.D
 Acq On : 29 Jun 2016 20:27
 Operator : UM/SJ
 Sample : H3779-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YE2

Quant Time: Jun 30 03:30:35 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	7.65	152	223118	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1069585	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	630173	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1327299	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1022130	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1023393	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	6892	1.43	ng/uL	0.00
3) Phenol-d5	6.82	99	360452	19.78	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	226986	21.12	ng/ul	0.00
5) 2-Chlorophenol-d4	7.18	132	276614	19.77	ng/ul	0.00
6) 4-Methylphenol-d8	8.35	113	274532	18.71	ng/ul	-0.01
8) Nitrobenzene-d5	8.80	128	145534	20.20	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	163414	19.82	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.05	165	295767	19.66	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	266695	22.43	ng/ul	0.00
16) Dimethylphthalate-d6	13.71	166	943116	20.88	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1184553	21.61	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	144650	16.88	ng/ul	0.00
21) Fluorene-d10	15.30	176	811241	21.05	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	116054	24.69	ng/ul	0.00
26) Anthracene-d10	17.14	188	1127922	21.18	ng/ul	0.00
30) Pyrene-d10	19.44	212	1072960	26.07	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.31	264	860800	21.14	ng/ul	0.00

Target Compounds

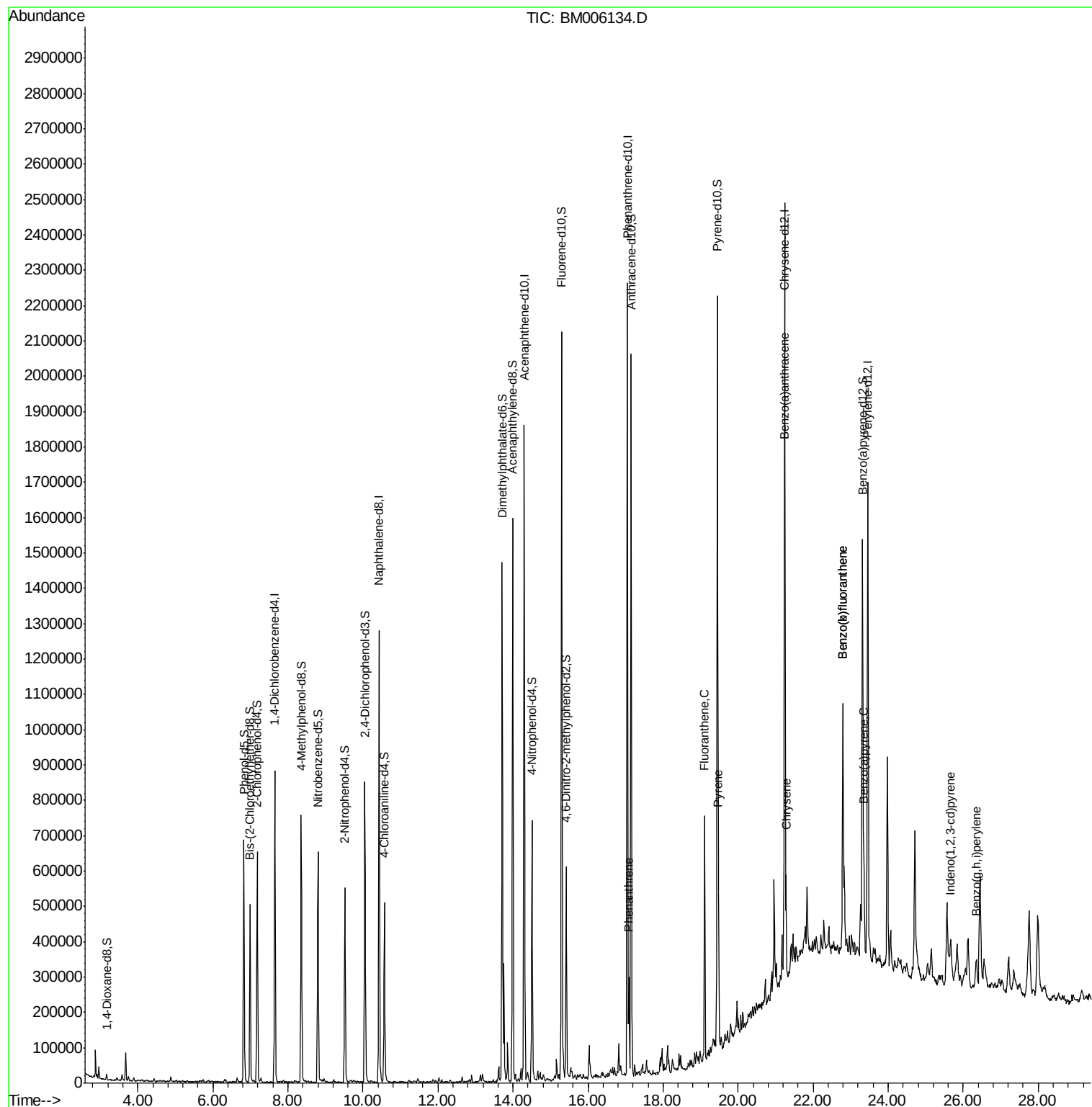
						Qvalue
25) Phenanthrene	17.09	178	161198	2.57	ng/ul	98
28) Fluoranthene	19.11	202	404664	5.26	ng/ul	99
31) Pyrene	19.47	202	299366	5.55	ng/ul	98
32) Benzo(a)anthracene	21.23	228	149903	2.82	ng/ul	96
33) Chrysene	21.28	228	175072	3.58	ng/ul	97
35) Benzo(b)fluoranthene	22.79	252	234608	4.42	ng/ul#	98
36) Benzo(k)fluoranthene	22.79	252	234608	4.71	ng/ul	97
38) Benzo(a)pyrene	23.36	252	146491	2.92	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.67	276	117870	2.26	ng/ul	94
41) Benzo(g,h,i)perylene	26.34	276	98929	2.27	ng/ul	97

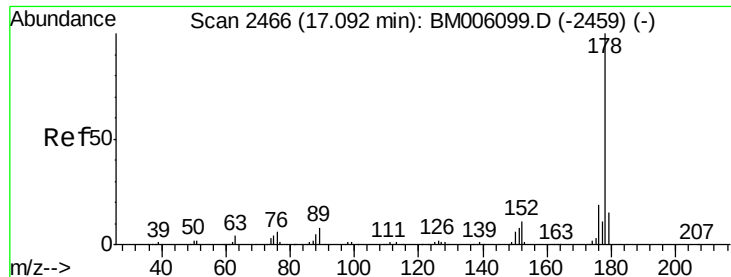
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 2.57 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BM006134.D

Acq: 29 Jun 2016 20:27

Instrument :

BNA_M

ClientSampleId :

D9YE2

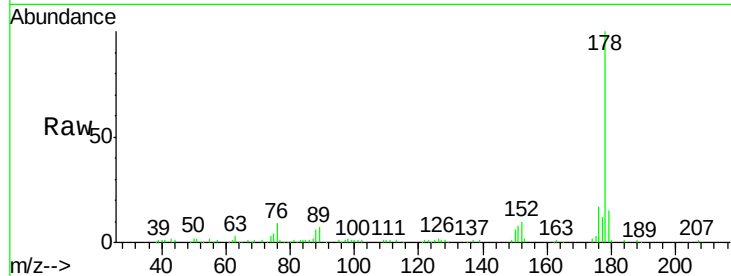
Tgt Ion:178 Resp: 161198

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.2

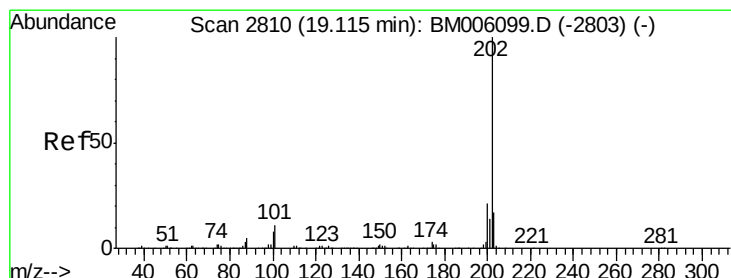
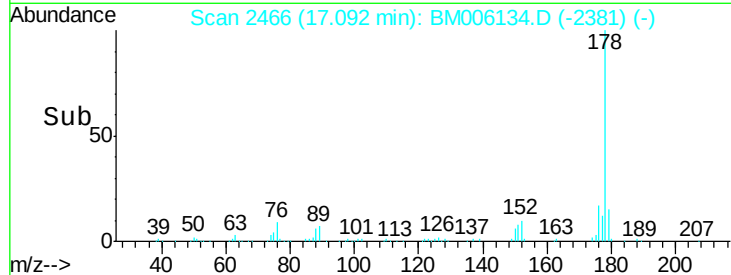
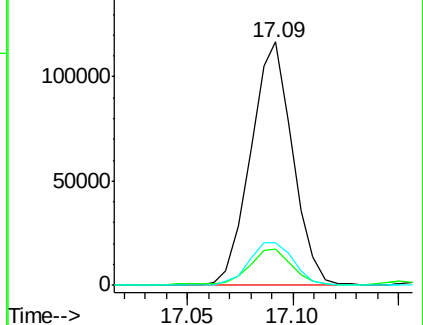
176 17.4 15.3 22.9



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: 5.26 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BM006134.D

Acq: 29 Jun 2016 20:27

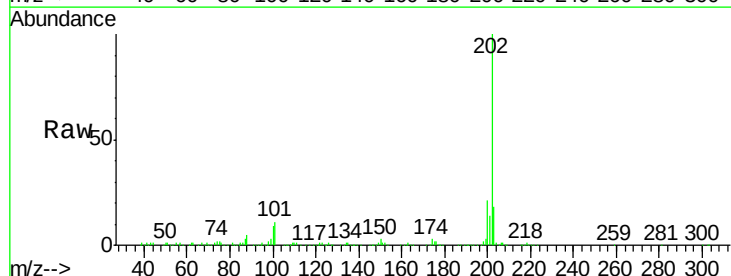
Tgt Ion:202 Resp: 404664

Ion Ratio Lower Upper

202 100

101 10.9 8.5 12.7

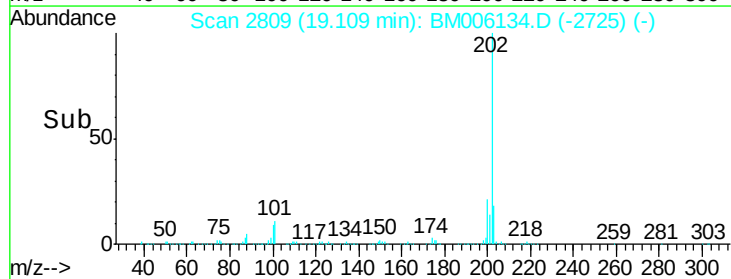
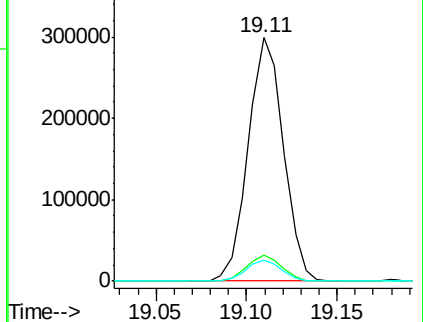
100 8.8 6.5 9.7

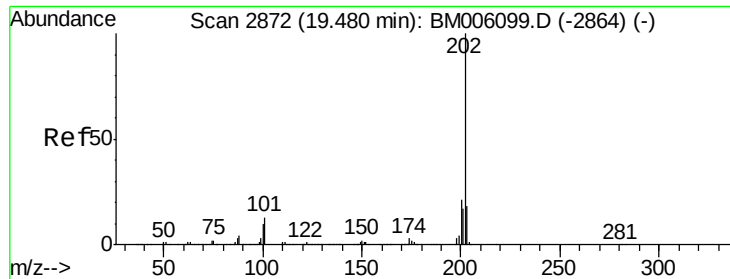


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

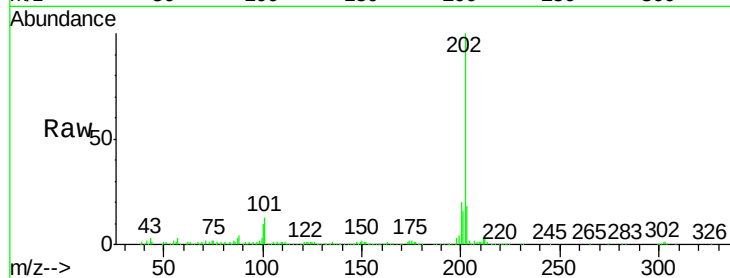




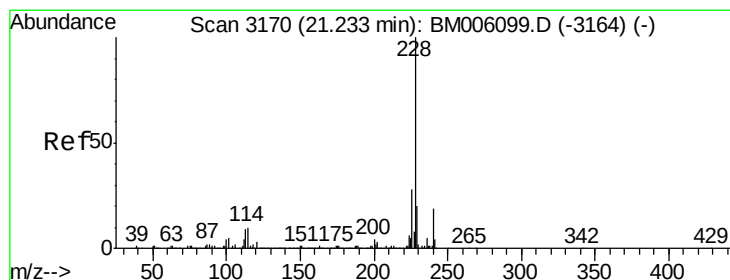
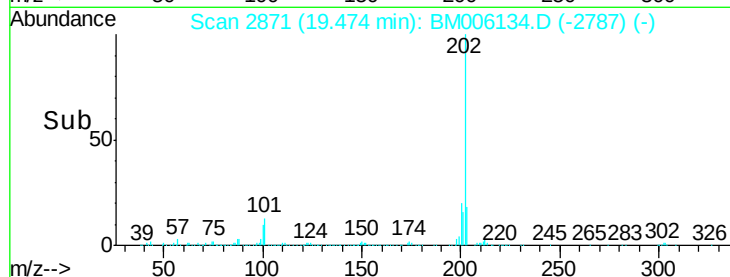
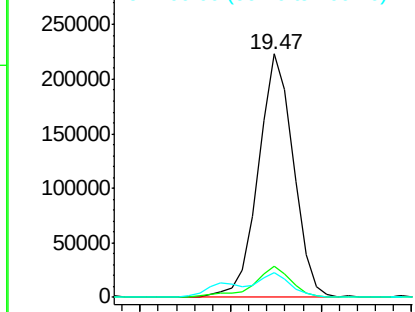
#31
 Pyrene
 Concen: 5.55 ng/ul
 RT: 19.47 min Scan# 2871
 Delta R.T. -0.01 min
 Lab File: BM006134.D
 Acq: 29 Jun 2016 20:27

Instrument :
 BNA_M
 ClientSampleId :
 D9YE2

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	11.0	16.4
100	10.1	8.9	13.3

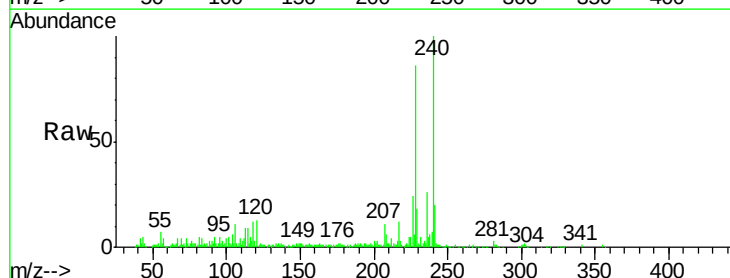


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

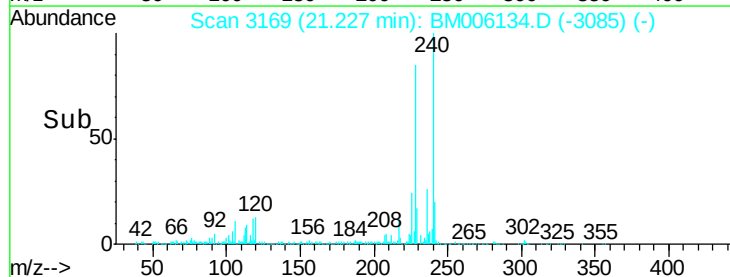
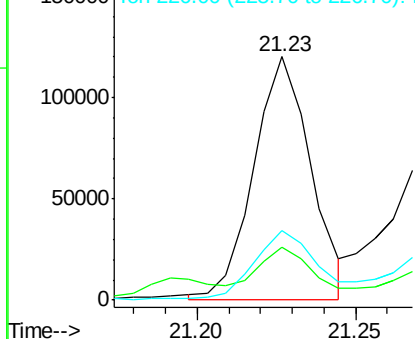


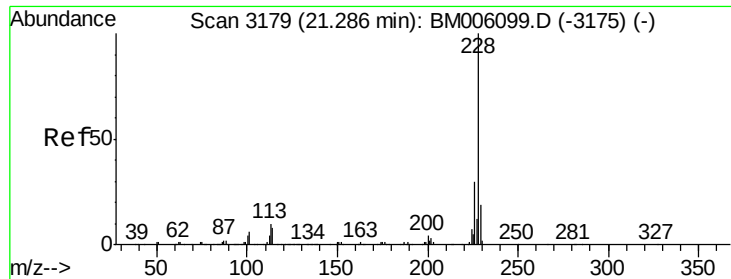
#32
 Benzo(a)anthracene
 Concen: 2.82 ng/ul
 RT: 21.23 min Scan# 3169
 Delta R.T. -0.01 min
 Lab File: BM006134.D
 Acq: 29 Jun 2016 20:27

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.6	23.4
226	28.5	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: 3.58 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BM006134.D

Acq: 29 Jun 2016 20:27

Instrument :

BNA_M

ClientSampleId :

D9YE2

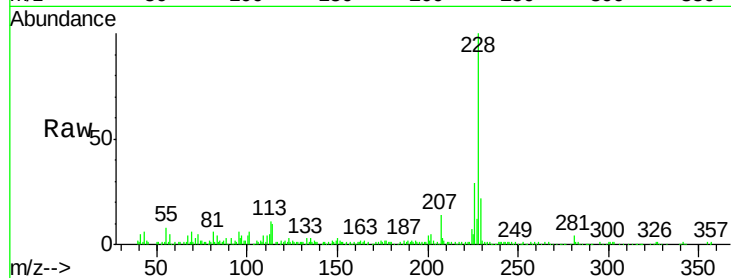
Tgt Ion:228 Resp: 175072

Ion Ratio Lower Upper

228 100

226 28.7 23.8 35.6

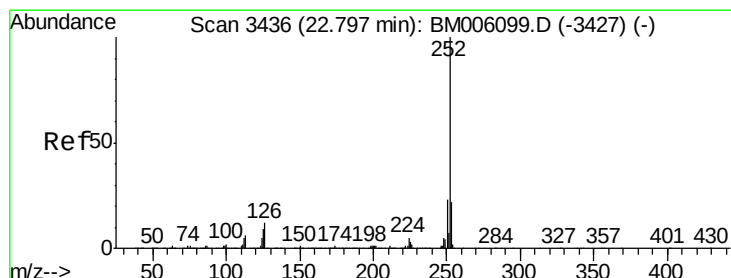
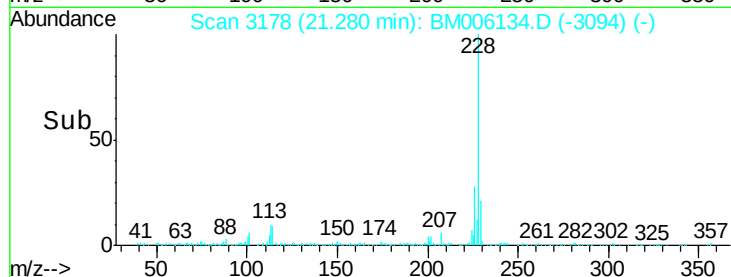
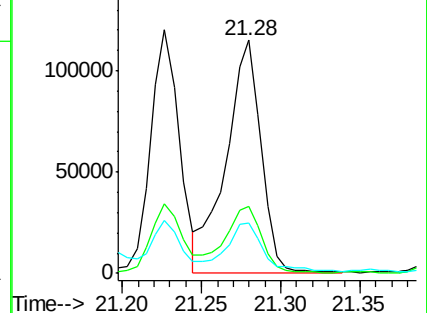
229 21.5 15.8 23.6



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: 4.42 ng/ul

RT: 22.79 min Scan# 3435

Delta R.T. -0.01 min

Lab File: BM006134.D

Acq: 29 Jun 2016 20:27

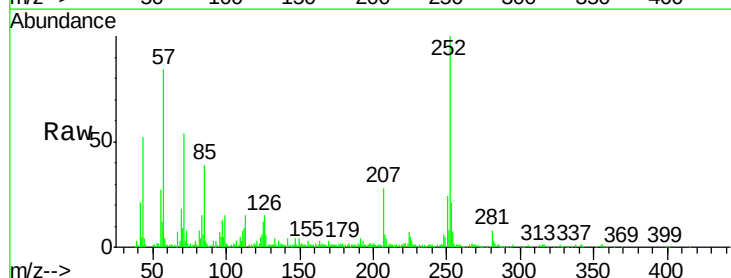
Tgt Ion:252 Resp: 234608

Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

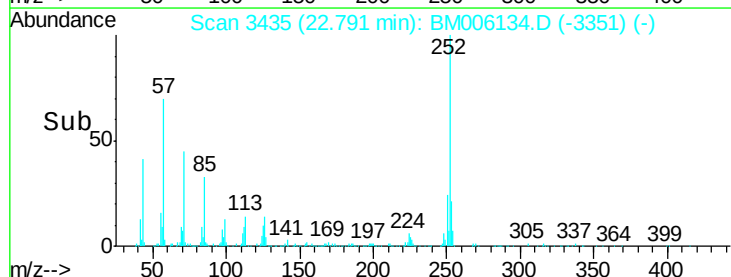
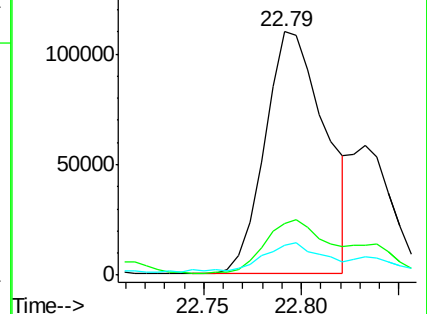
125 12.1 7.8 11.6#

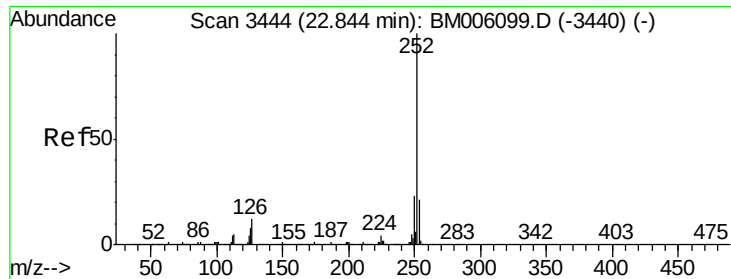


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 4.71 ng/ul

RT: 22.79 min Scan# 3435

Delta R.T. -0.05 min

Lab File: BM006134.D

Acq: 29 Jun 2016 20:27

Instrument :

BNA_M

ClientSampleId :

D9YE2

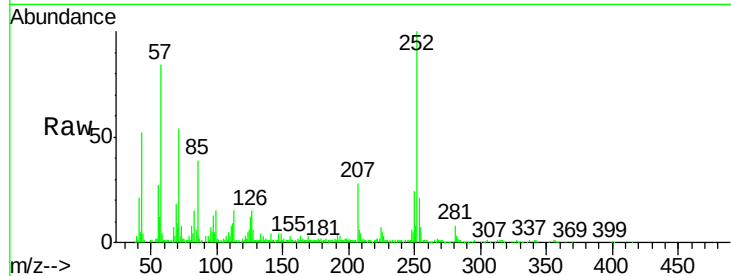
Tgt Ion:252 Resp: 234608

Ion Ratio Lower Upper

252 100

253 21.4 17.6 26.4

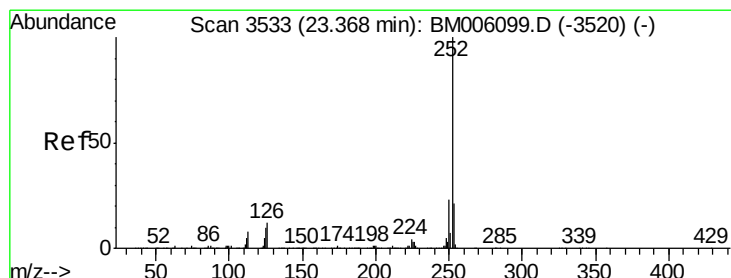
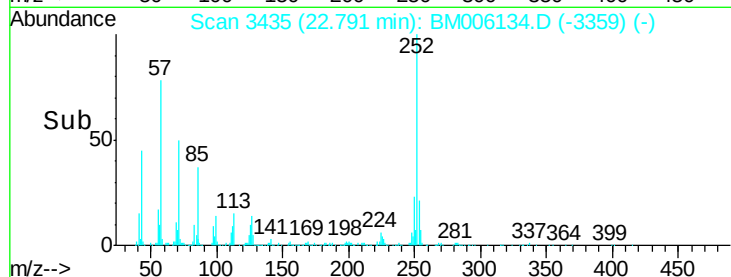
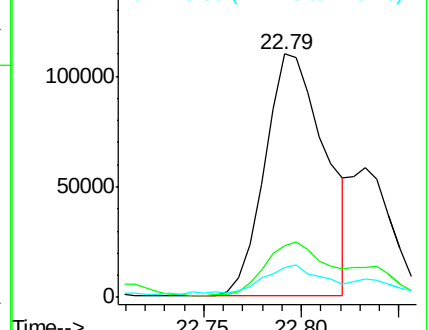
125 12.1 8.1 12.1



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: 2.92 ng/ul

RT: 23.36 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BM006134.D

Acq: 29 Jun 2016 20:27

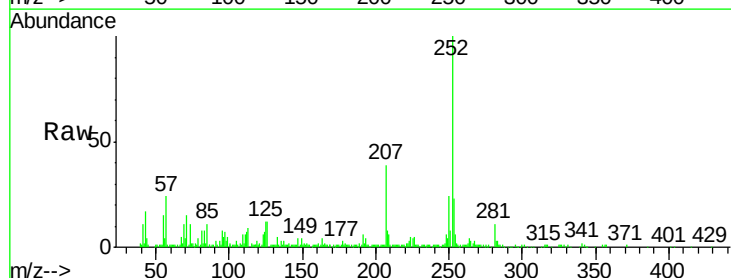
Tgt Ion:252 Resp: 146491

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

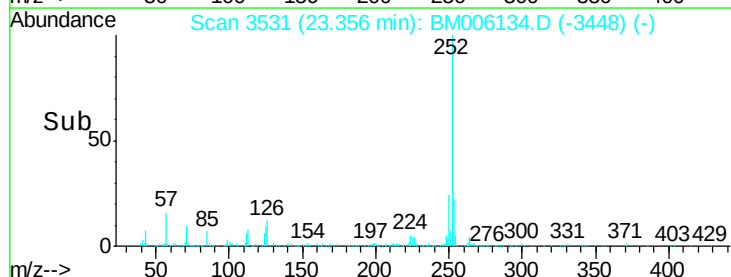
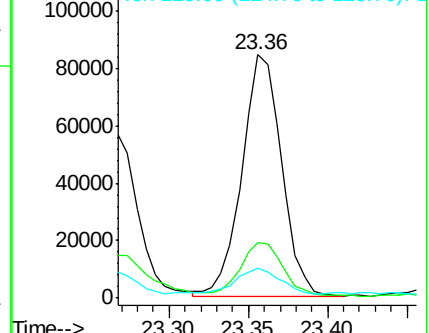
125 12.1 8.7 13.1

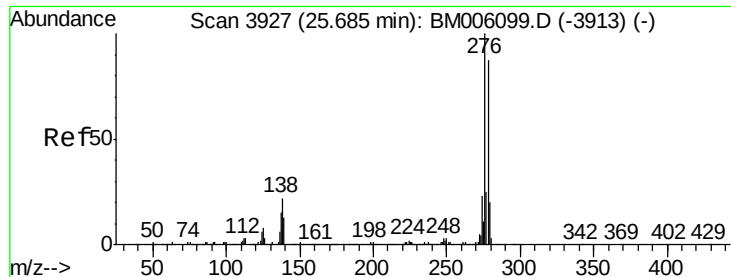


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.26 ng/ul

RT: 25.67 min Scan# 3924

Delta R.T. -0.02 min

Lab File: BM006134.D

Acq: 29 Jun 2016 20:27

Instrument :

BNA_M

ClientSampleId :

D9YE2

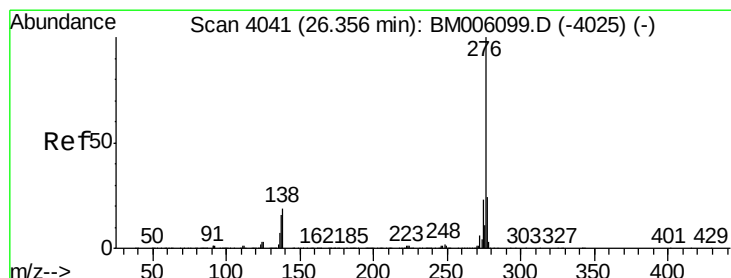
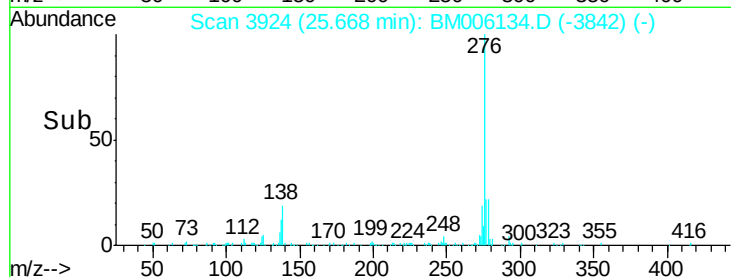
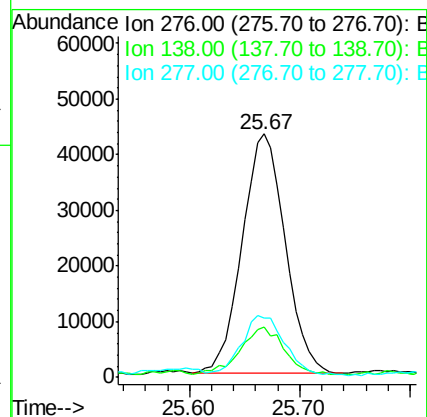
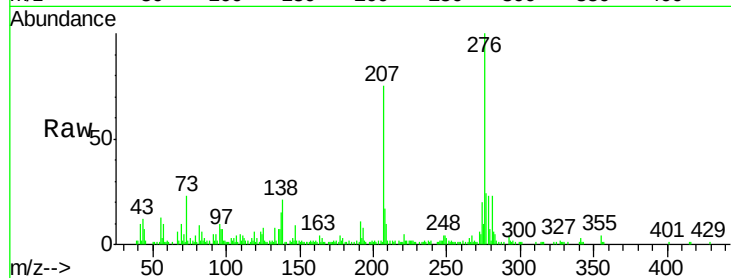
Tgt Ion: 276 Resp: 117870

Ion Ratio Lower Upper

276 100

138 20.8 20.4 30.6

277 24.1 20.6 30.8



#41

Benzo(g,h,i)perylene

Concen: 2.27 ng/ul

RT: 26.34 min Scan# 4039

Delta R.T. -0.01 min

Lab File: BM006134.D

Acq: 29 Jun 2016 20:27

Tgt Ion: 276 Resp: 98929

Ion Ratio Lower Upper

276 100

138 18.7 16.6 25.0

277 24.4 18.9 28.3

