

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062916\
 Data File : BM006145.D
 Acq On : 30 Jun 2016 03:03
 Operator : UM/SJ
 Sample : H3777-07
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YB7

Quant Time: Jun 30 03:33:37 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	261196	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1229294	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	717109	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1565268	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1208720	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1108439	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	6766	1.20	ng/uL	0.00
3) Phenol-d5	6.82	99	333723	15.64	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	230441	18.32	ng/ul	0.00
5) 2-Chlorophenol-d4	7.18	132	271805	16.60	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	238990	13.92	ng/ul	0.00
8) Nitrobenzene-d5	8.86	128	278	0.03	ng/ul	0.06
9) 2-Nitrophenol-d4	9.52	143	161816	17.08	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.05	165	290629	16.81	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	259408	18.98	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	935600	18.20	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1181143	18.93	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	83236	8.53	ng/ul	0.00
21) Fluorene-d10	15.30	176	818283	18.66	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	101192	18.25	ng/ul	0.00
26) Anthracene-d10	17.14	188	1199328	19.10	ng/ul	0.00
30) Pyrene-d10	19.45	212	1212343	24.91	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	850002	19.27	ng/ul	0.00

Target Compounds

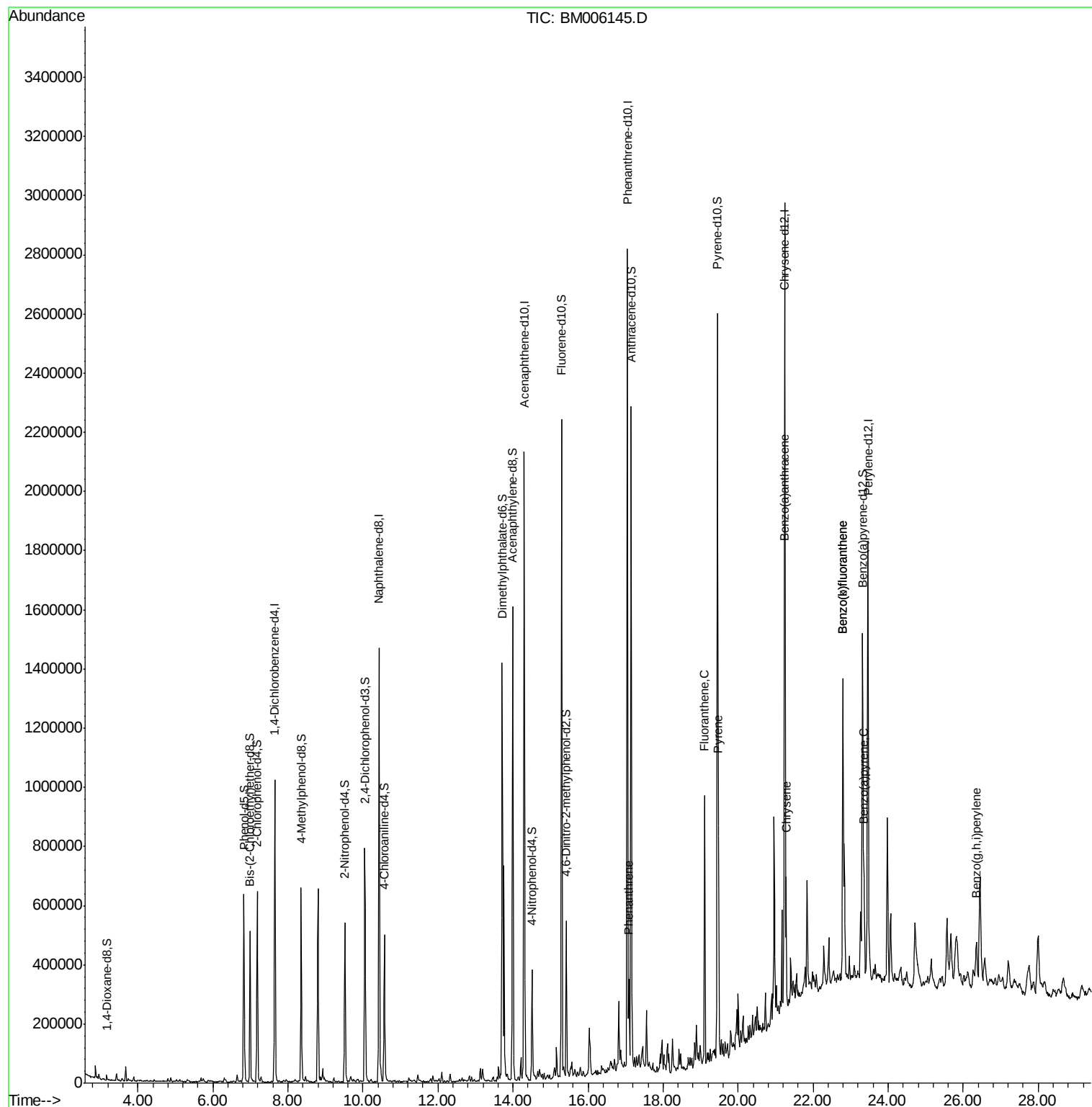
						Qvalue
25) Phenanthrene	17.09	178	174794	2.36	ng/ul	99
28) Fluoranthene	19.11	202	530471	5.85	ng/ul	99
31) Pyrene	19.47	202	440055	6.90	ng/ul	99
32) Benzo(a)anthracene	21.23	228	235209	3.74	ng/ul	99
33) Chrysene	21.28	228	250195	4.32	ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	324513	5.64	ng/ul	97
36) Benzo(k)fluoranthene	22.80	252	324513	6.01	ng/ul	98
38) Benzo(a)pyrene	23.36	252	210527	3.87	ng/ul	99
41) Benzo(g,h,i)perylene	26.35	276	160471	3.39	ng/ul	98

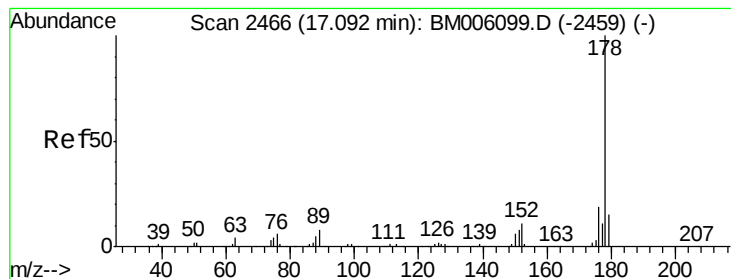
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 2.36 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BM006145.D

Acq: 30 Jun 2016 03:03

Instrument :

BNA_M

ClientSampleId :

D9YB7

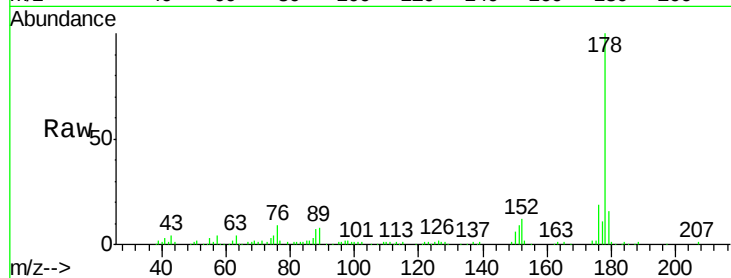
Tgt Ion:178 Resp: 174794

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.2

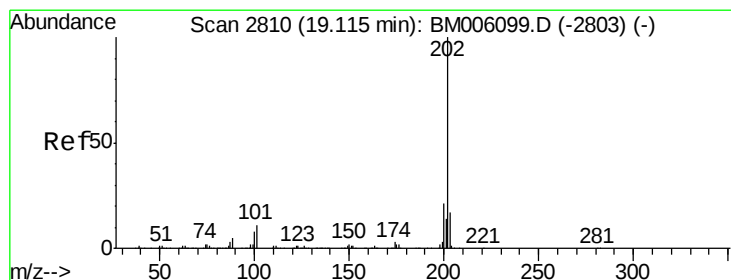
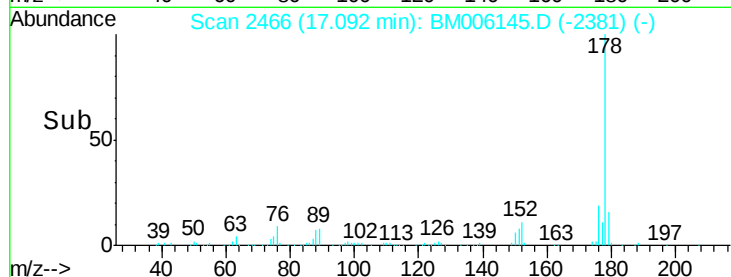
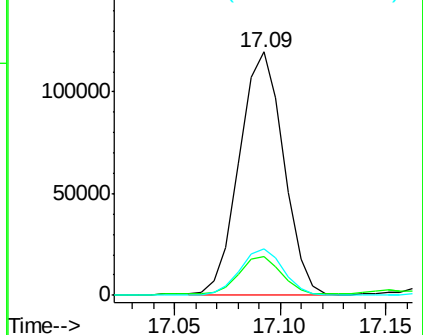
176 19.3 15.3 22.9



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: 5.85 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BM006145.D

Acq: 30 Jun 2016 03:03

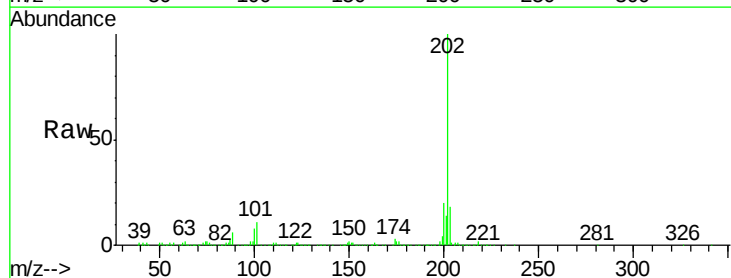
Tgt Ion:202 Resp: 530471

Ion Ratio Lower Upper

202 100

101 10.9 8.5 12.7

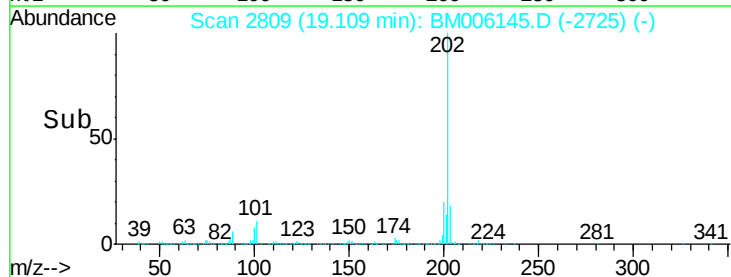
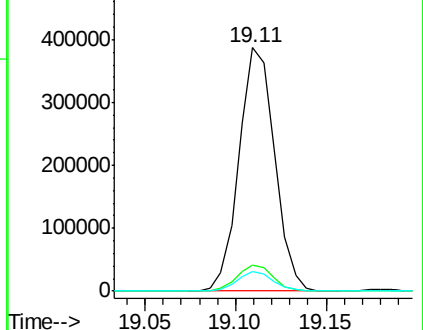
100 8.1 6.5 9.7

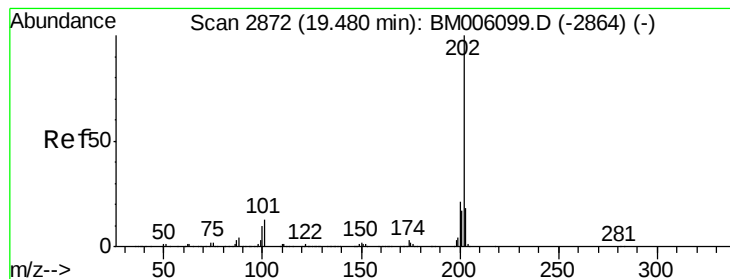


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 6.90 ng/ul

RT: 19.47 min Scan# 2871

Delta R.T. -0.01 min

Lab File: BM006145.D

Acq: 30 Jun 2016 03:03

Instrument :

BNA_M

ClientSampleId :

D9YB7

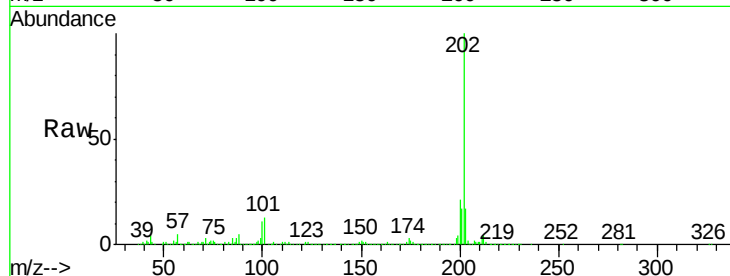
Tgt Ion:202 Resp: 440055

Ion Ratio Lower Upper

202 100

101 13.4 11.0 16.4

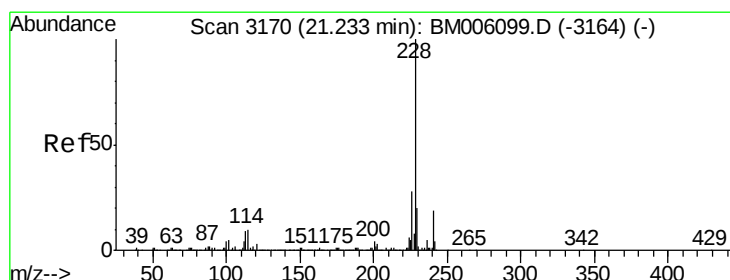
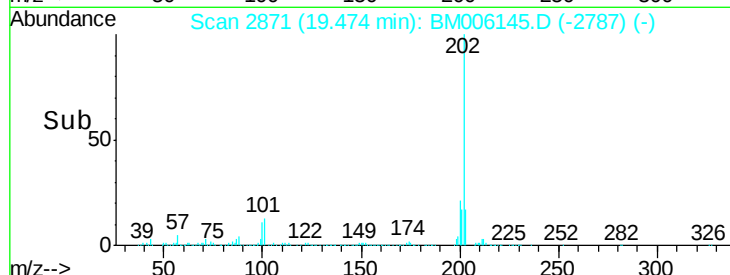
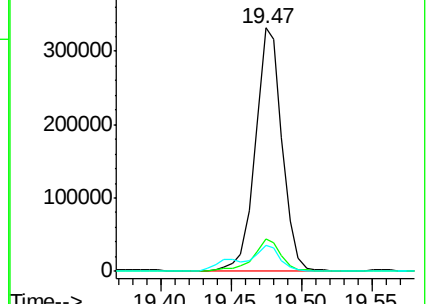
100 10.6 8.9 13.3



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: 3.74 ng/ul

RT: 21.23 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BM006145.D

Acq: 30 Jun 2016 03:03

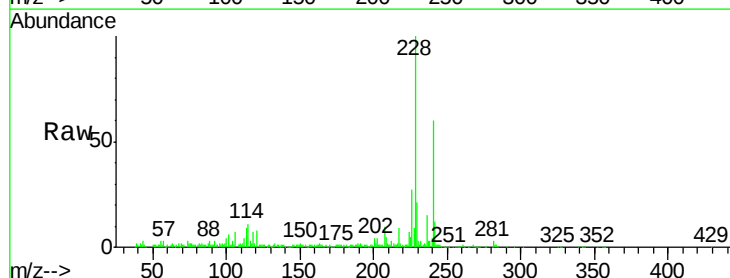
Tgt Ion:228 Resp: 235209

Ion Ratio Lower Upper

228 100

229 20.7 15.6 23.4

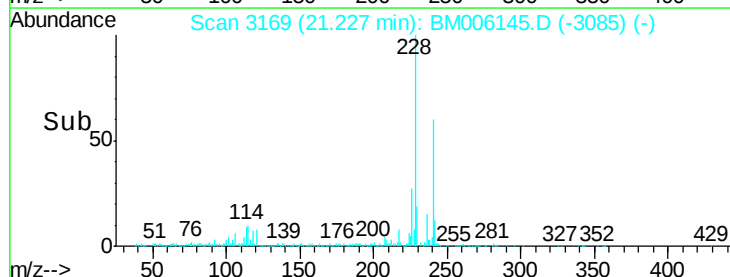
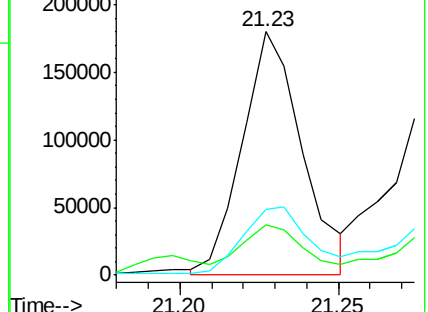
226 27.2 21.6 32.4

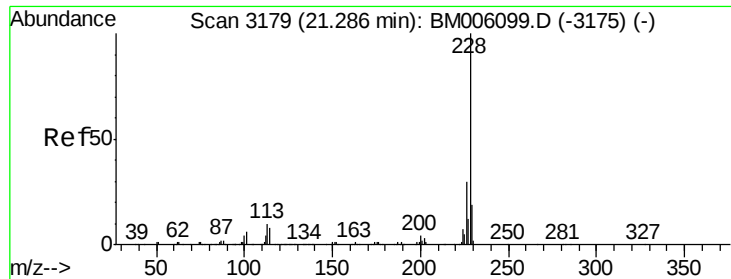


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 4.32 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BM006145.D

Acq: 30 Jun 2016 03:03

Instrument :

BNA_M

ClientSampleId :

D9YB7

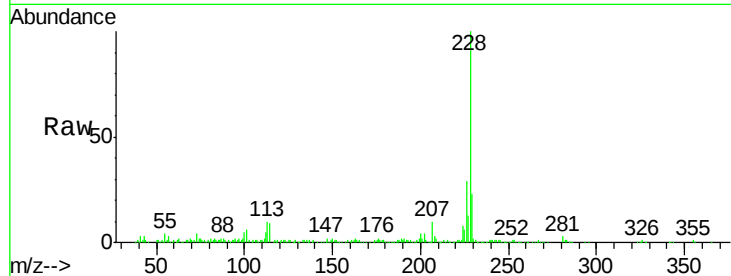
Tgt Ion:228 Resp: 250195

Ion Ratio Lower Upper

228 100

226 29.5 23.8 35.6

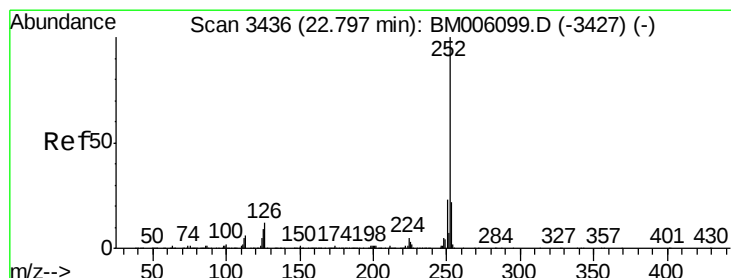
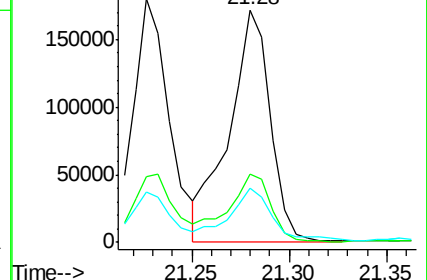
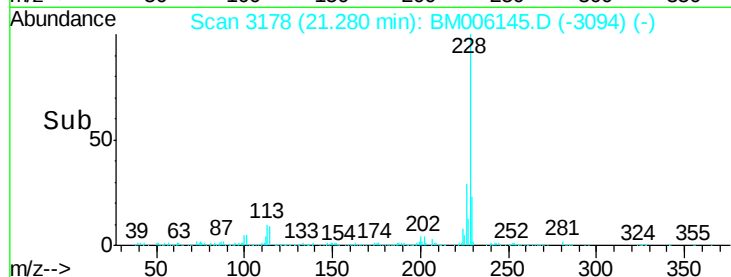
229 23.2 15.8 23.6



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: 5.64 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. 0.00 min

Lab File: BM006145.D

Acq: 30 Jun 2016 03:03

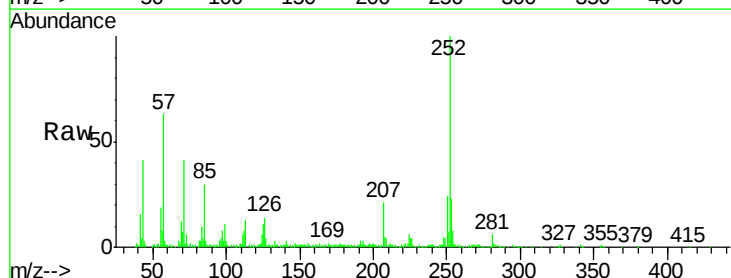
Tgt Ion:252 Resp: 324513

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

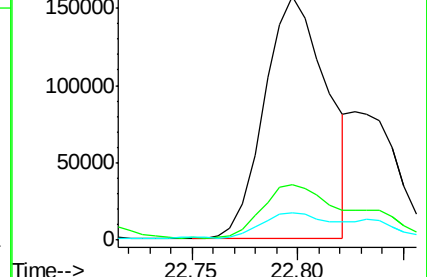
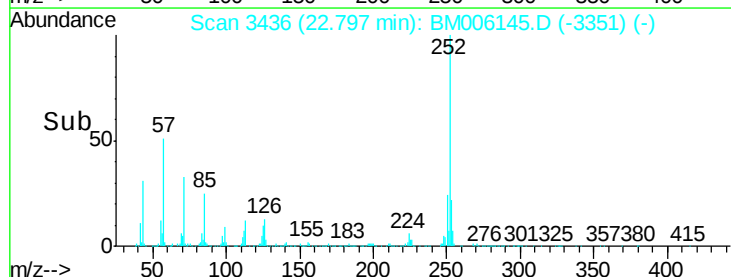
125 11.1 7.8 11.6

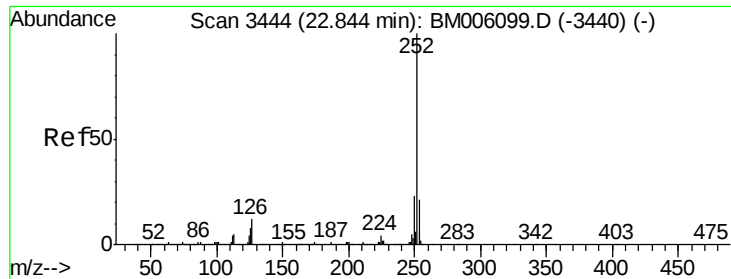


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 6.01 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.05 min

Lab File: BM006145.D

Acq: 30 Jun 2016 03:03

Instrument :

BNA_M

ClientSampleId :

D9YB7

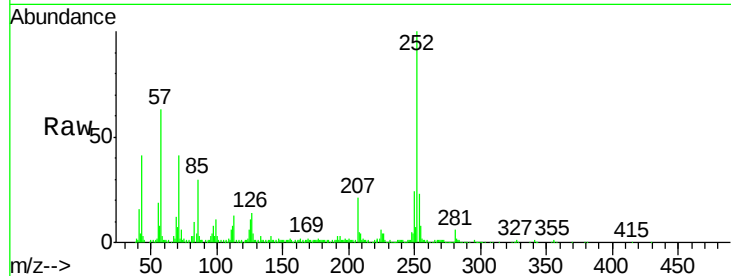
Tgt Ion:252 Resp: 324513

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

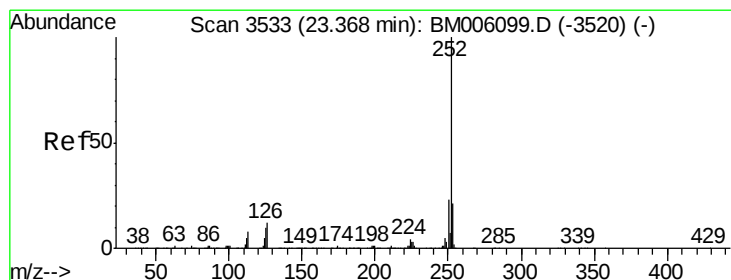
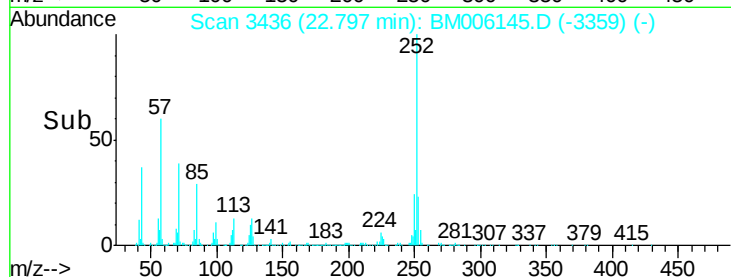
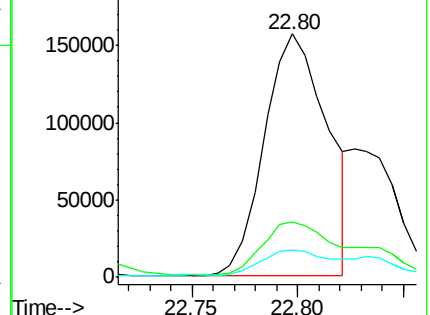
125 11.1 8.1 12.1



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: 3.87 ng/ul

RT: 23.36 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BM006145.D

Acq: 30 Jun 2016 03:03

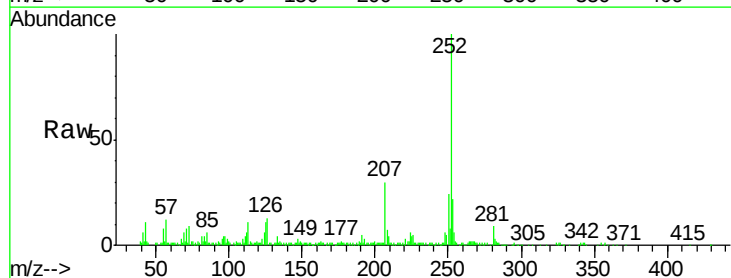
Tgt Ion:252 Resp: 210527

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

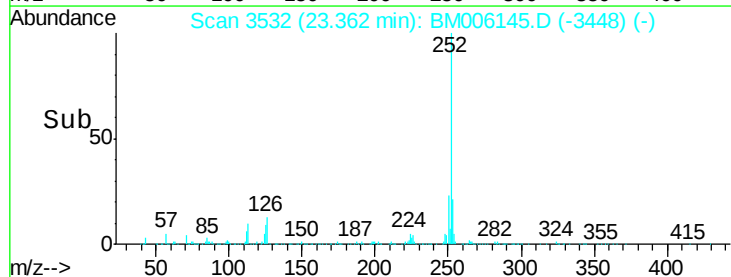
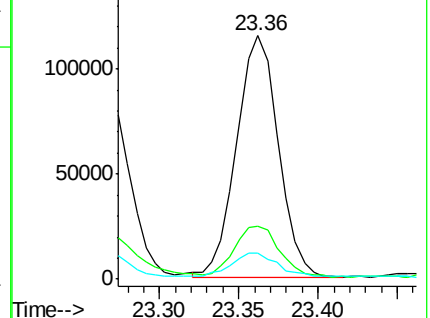
125 10.6 8.7 13.1

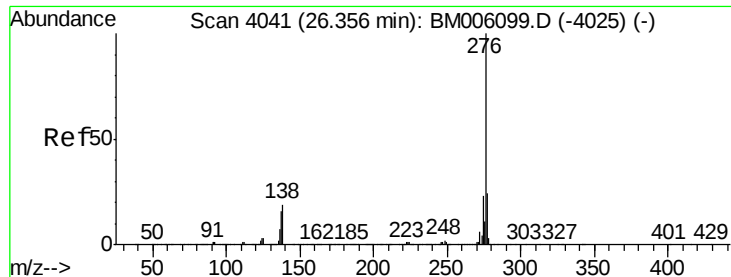


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#41

Benzo(g,h,i)perylene

Concen: 3.39 ng/ul

RT: 26.35 min Scan# 4040

Delta R.T. -0.01 min

Lab File: BM006145.D

Acq: 30 Jun 2016 03:03

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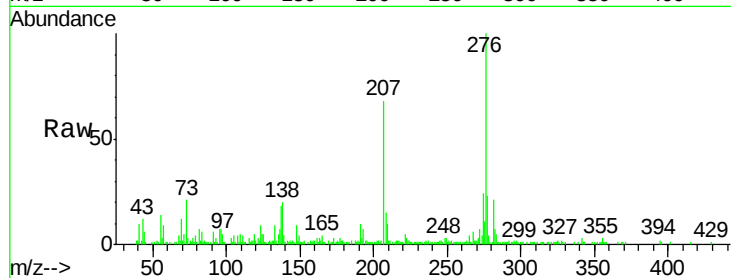
Tgt Ion: 276 Resp: 160471

Ion Ratio Lower Upper

276 100

138 19.8 16.6 25.0

277 23.1 18.9 28.3



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

