

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006626.D
 Acq On : 22 Jul 2016 15:25
 Operator : UM/SJ
 Sample : H4076-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YN7

Quant Time: Jul 23 00:17:55 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	174275	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	733358	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	410635	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	926173	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	998340	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	1019174	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	5315	1.23	ng/uL	0.00
3) Phenol-d5	6.80	99	192251	12.97	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	149527	16.28	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	169085	14.27	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	101498	8.83	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	90375	16.28	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	92897	15.74	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	162504	14.57	ng/ul	0.00
12) 4-Chloroaniline-d4	10.55	131	100349	8.17	ng/ul	0.01
16) Dimethylphthalate-d6	13.68	166	514086	15.97	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	700601	17.05	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	46128	8.25	ng/ul	0.01
21) Fluorene-d10	15.27	176	497536	17.28	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.41	200	25047	5.21	ng/ul	0.00
26) Anthracene-d10	17.12	188	743742	16.91	ng/ul	0.00
30) Pyrene-d10	19.42	212	838607	18.43	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.29	264	812887	17.34	ng/ul	0.00

Target Compounds

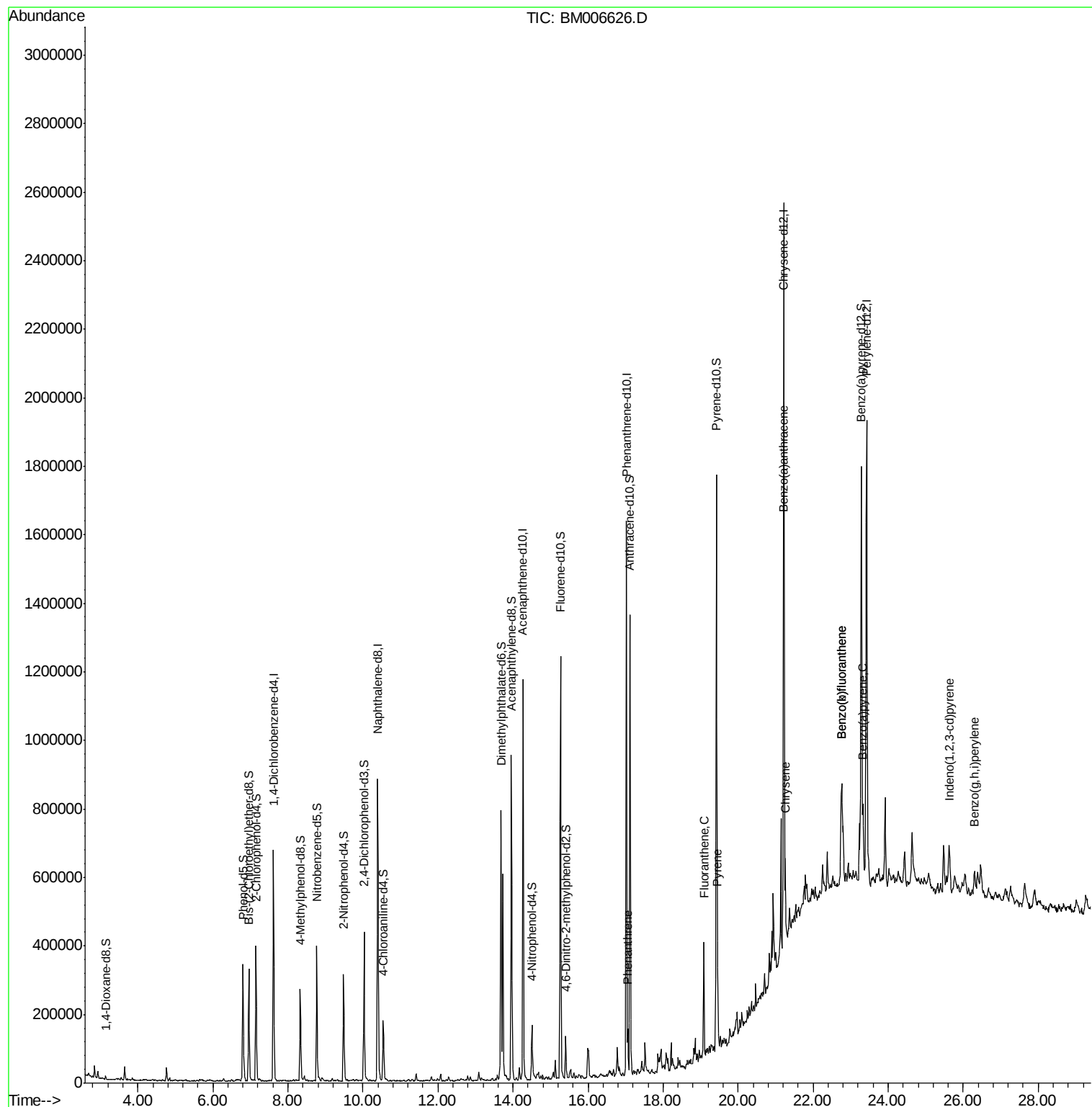
						Qvalue
25) Phenanthrene	17.06	178	77826	1.49	ng/ul	97
28) Fluoranthene	19.09	202	186288	3.04	ng/ul#	97
31) Pyrene	19.45	202	169482	2.80	ng/ul	98
32) Benzo(a)anthracene	21.20	228	120965	2.00	ng/ul	97
33) Chrysene	21.26	228	136888	2.45	ng/ul	98
35) Benzo(b)fluoranthene	22.77	252	227543	3.72	ng/ul	98
36) Benzo(k)fluoranthene	22.77	252	227543	3.85	ng/ul	98
38) Benzo(a)pyrene	23.33	252	155179	2.61	ng/ul	96
39) Indeno(1,2,3-cd)pyrene	25.63	276	137947	2.00	ng/ul	99
41) Benzo(g,h,i)perylene	26.30	276	98589	1.67	ng/ul	97

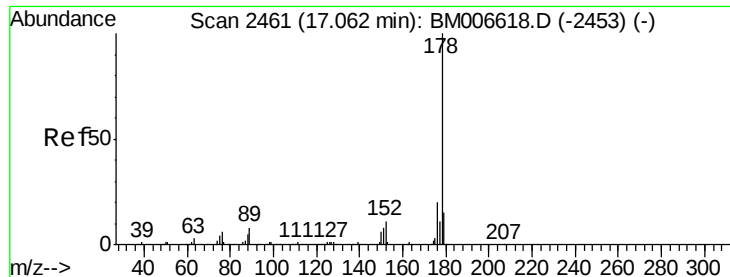
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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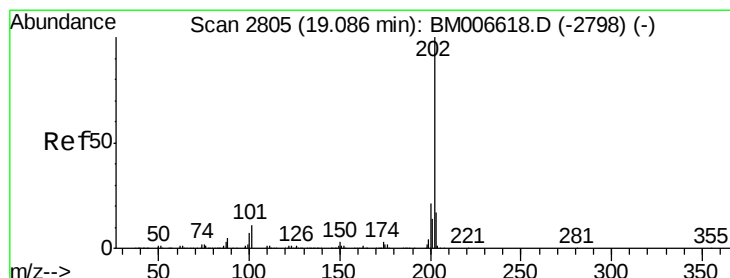
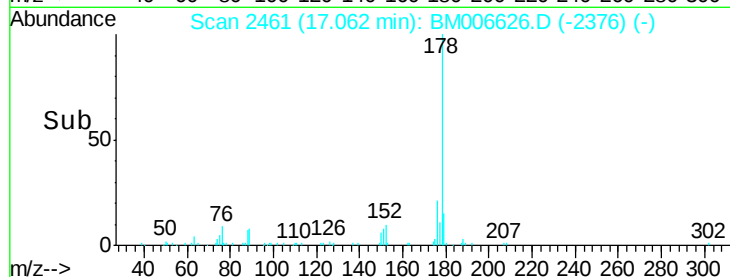
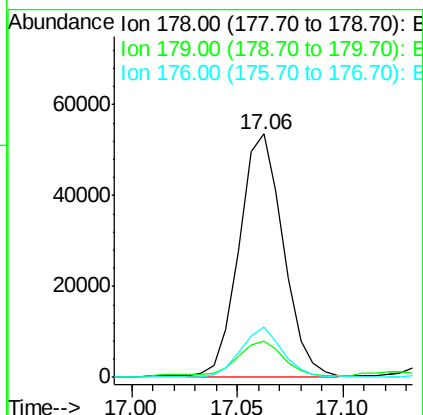
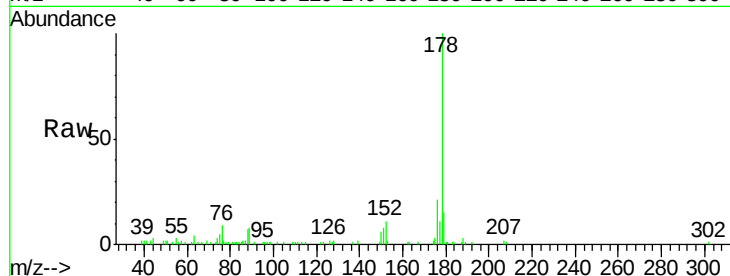




#25
Phenanthrene
Concen: 1.49 ng/ul
RT: 17.06 min Scan# 2461
Delta R.T. 0.00 min
Lab File: BM006626.D
Acq: 22 Jul 2016 15:25

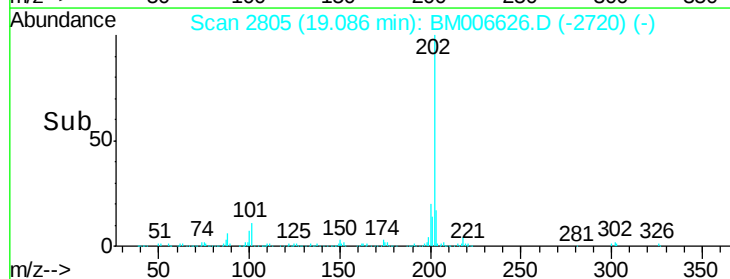
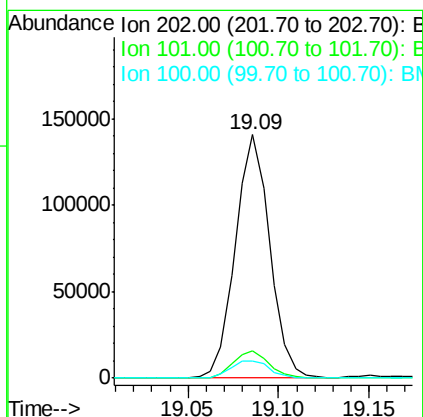
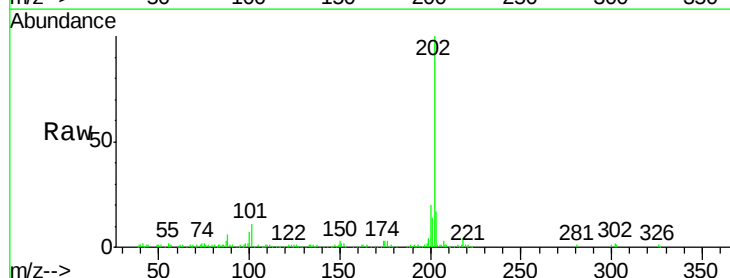
Instrument :
BNA_M
ClientSampleId :
D9YN7

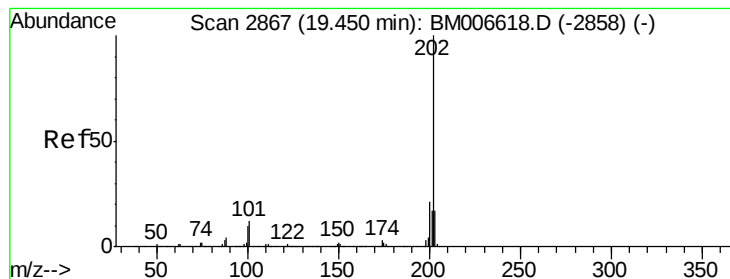
Tgt Ion:178 Resp: 77826
Ion Ratio Lower Upper
178 100
179 14.6 11.8 17.8
176 20.7 14.8 22.2



#28
Fluoranthene
Concen: 3.04 ng/ul
RT: 19.09 min Scan# 2805
Delta R.T. 0.00 min
Lab File: BM006626.D
Acq: 22 Jul 2016 15:25

Tgt Ion:202 Resp: 186288
Ion Ratio Lower Upper
202 100
101 11.5 8.9 13.3
100 6.8 7.0 10.4#





#31

Pyrene

Concen: 2.80 ng/ul

RT: 19.45 min Scan# 2867

Delta R.T. 0.00 min

Lab File: BM006626.D

Acq: 22 Jul 2016 15:25

Instrument :

BNA_M

ClientSampleId :

D9YN7

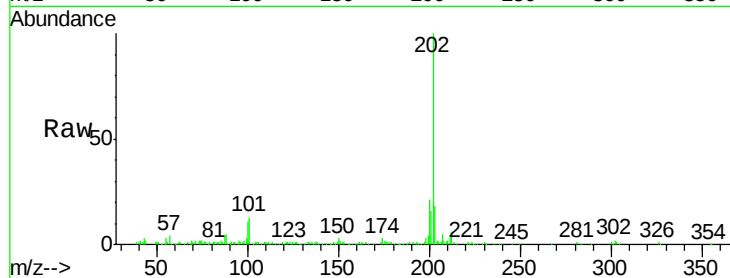
Tgt Ion:202 Resp: 169482

Ion Ratio Lower Upper

202 100

101 13.4 9.8 14.8

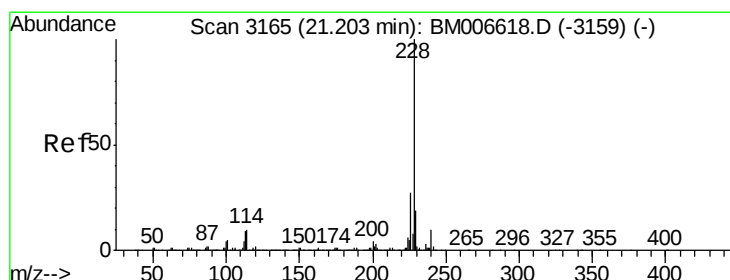
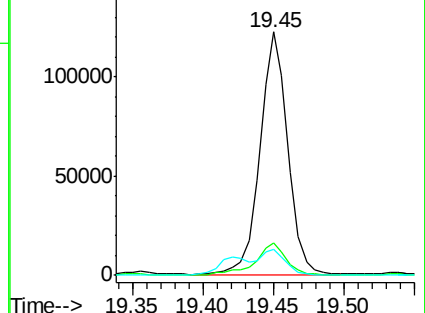
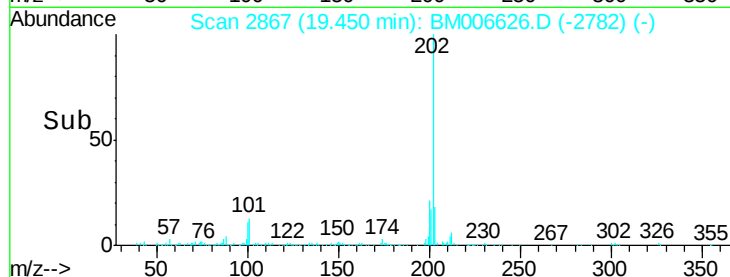
100 10.8 9.3 13.9



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: 2.00 ng/ul

RT: 21.20 min Scan# 3165

Delta R.T. 0.00 min

Lab File: BM006626.D

Acq: 22 Jul 2016 15:25

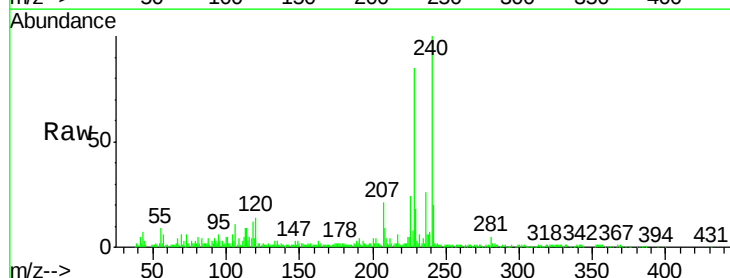
Tgt Ion:228 Resp: 120965

Ion Ratio Lower Upper

228 100

229 21.7 16.6 25.0

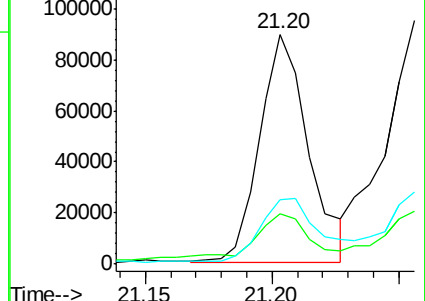
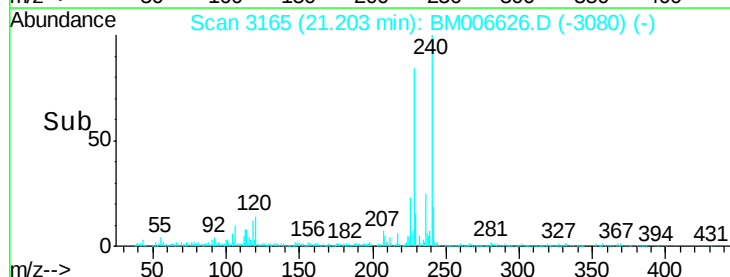
226 28.3 21.0 31.4

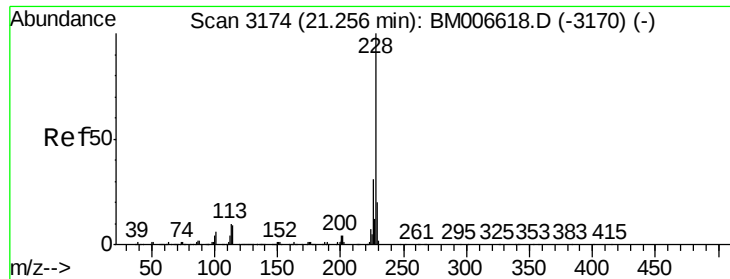


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 2.45 ng/ul

RT: 21.26 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BM006626.D

Acq: 22 Jul 2016 15:25

Instrument :

BNA_M

ClientSampleId :

D9YN7

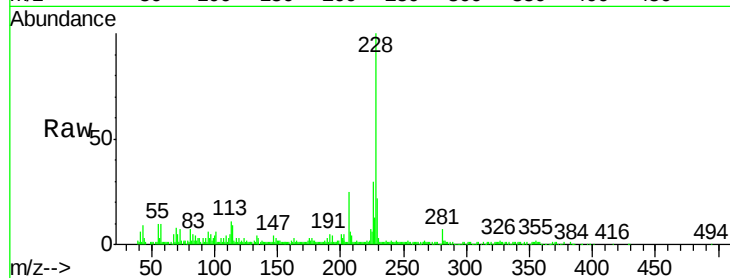
Tgt Ion: 228 Resp: 136888

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

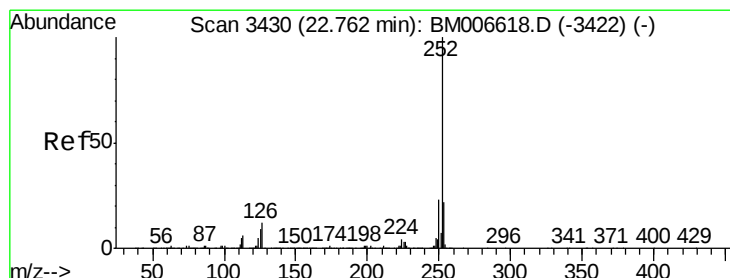
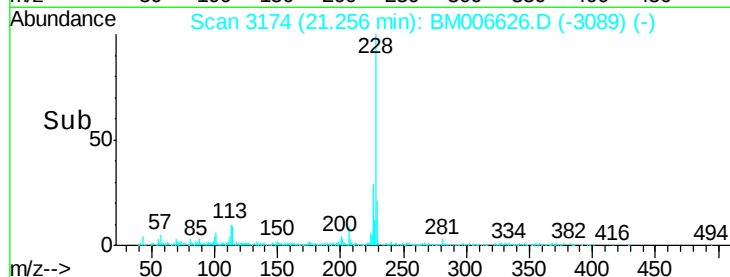
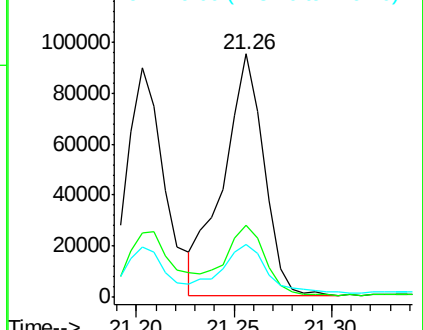
229 21.6 16.2 24.2



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: 3.72 ng/ul

RT: 22.77 min Scan# 3431

Delta R.T. 0.01 min

Lab File: BM006626.D

Acq: 22 Jul 2016 15:25

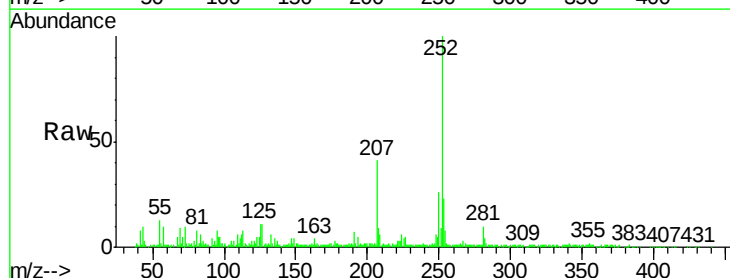
Tgt Ion: 252 Resp: 227543

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

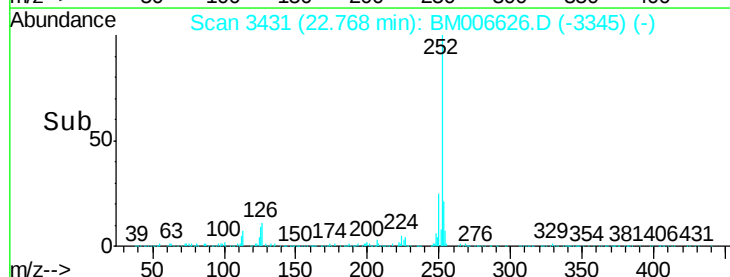
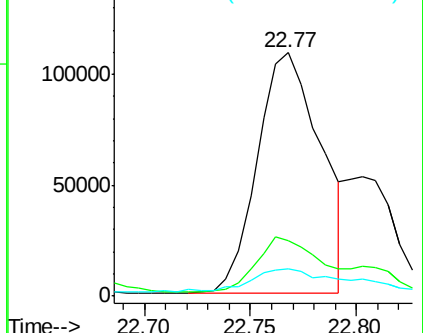
125 11.0 7.6 11.4

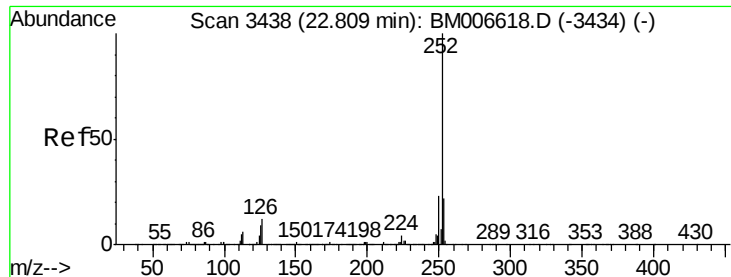


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

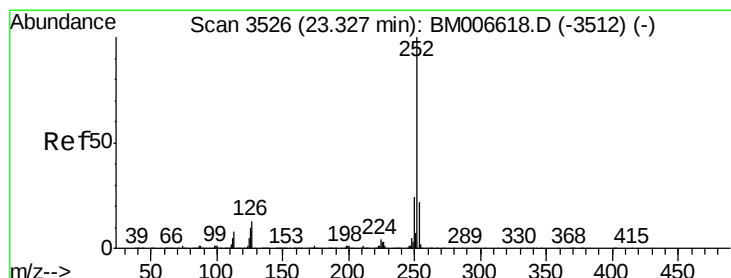
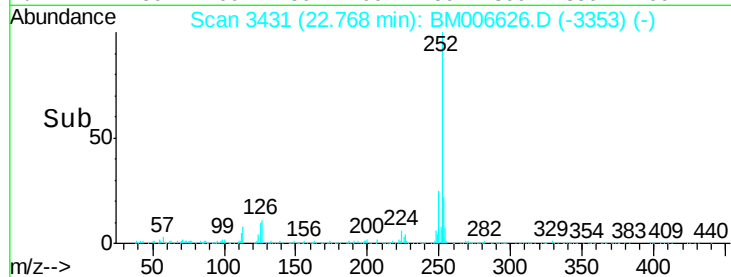
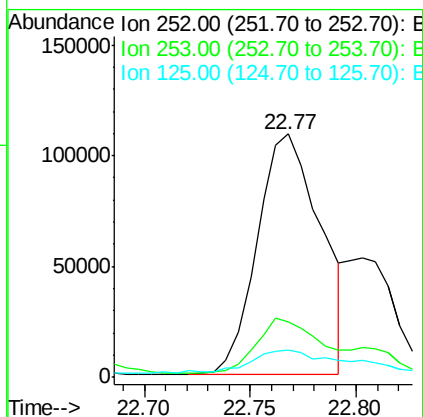
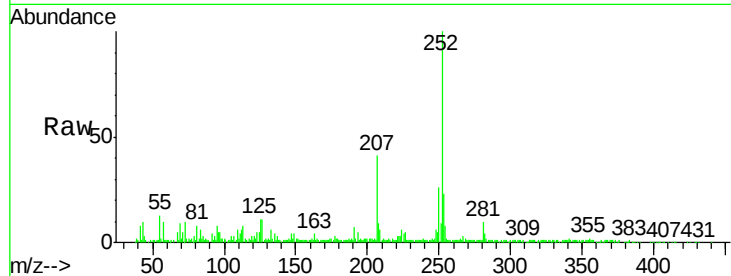




#36
Benzo(k)fluoranthene
Concen: 3.85 ng/ul
RT: 22.77 min Scan# 3431
Delta R.T. -0.04 min
Lab File: BM006626.D
Acq: 22 Jul 2016 15:25

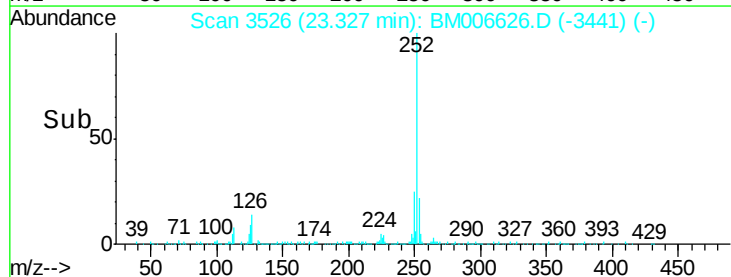
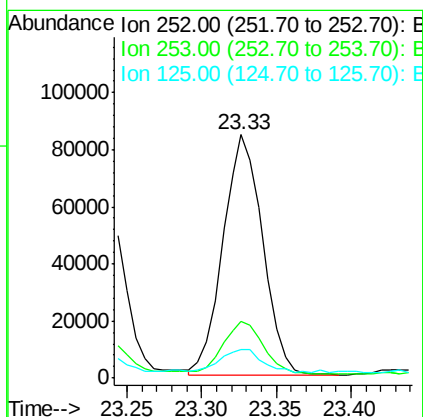
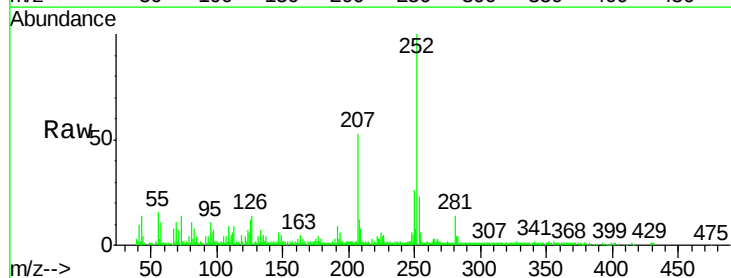
Instrument :
BNA_M
ClientSampleId :
D9YN7

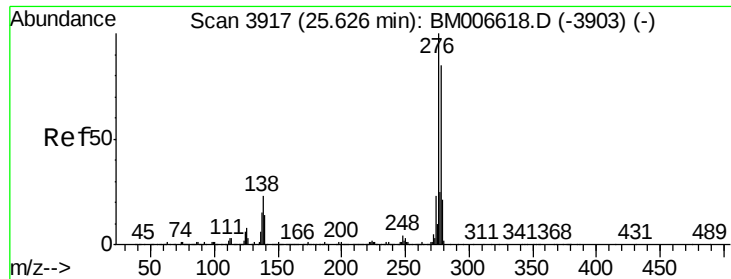
Tgt Ion: 252 Resp: 227543
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 11.0 7.7 11.5



#38
Benzo(a)pyrene
Concen: 2.61 ng/ul
RT: 23.33 min Scan# 3526
Delta R.T. 0.00 min
Lab File: BM006626.D
Acq: 22 Jul 2016 15:25

Tgt Ion: 252 Resp: 155179
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 11.6 8.2 12.2





#39

Indeno(1,2,3-cd)pyrene

Concen: 2.00 ng/ul

RT: 25.63 min Scan# 3917

Delta R.T. 0.00 min

Lab File: BM006626.D

Acq: 22 Jul 2016 15:25

Instrument :

BNA_M

ClientSampleId :

D9YN7

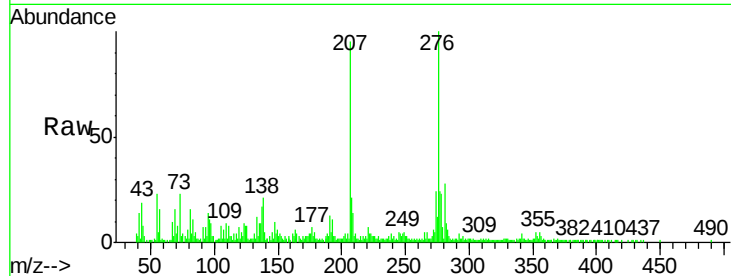
Tgt Ion:276 Resp: 137947

Ion Ratio Lower Upper

276 100

138 21.0 15.8 23.6

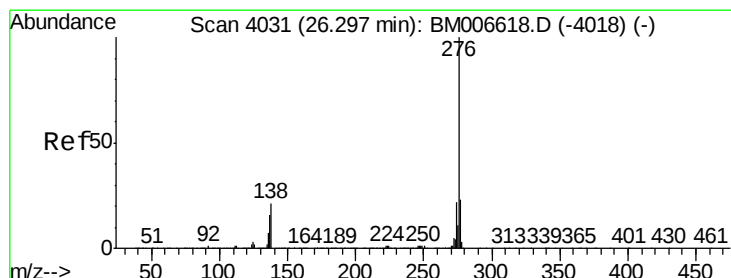
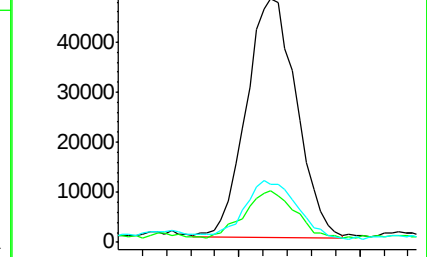
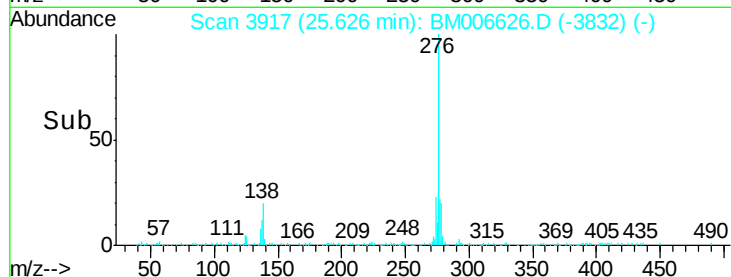
277 24.0 19.0 28.6



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



#41

Benzo(g,h,i)perylene

Concen: 1.67 ng/ul

RT: 26.30 min Scan# 4032

Delta R.T. 0.01 min

Lab File: BM006626.D

Acq: 22 Jul 2016 15:25

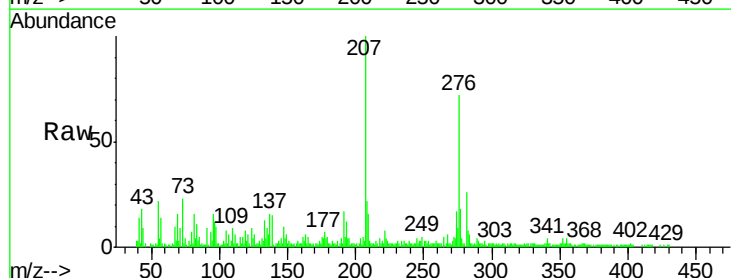
Tgt Ion:276 Resp: 98589

Ion Ratio Lower Upper

276 100

138 20.8 13.9 20.9

277 24.8 19.8 29.6



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

