

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061716\
 Data File : BM005848.D
 Acq On : 17 Jun 2016 03:26
 Operator : UM/SJ
 Sample : H3535-21
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y11

Quant Time: Jun 17 05:07:37 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 17 01:56:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	32048	20.00	ng/ul	0.00
7) Naphthalene-d8	10.52	136	140226	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.37	164	86553	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.12	188	202753	20.00	ng/ul	0.00
29) Chrysene-d12	21.30	240	199739	20.00	ng/ul	0.00
34) Perylene-d12	23.56	264	173493	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	1022	4.13	ng/uL	0.00
3) Phenol-d5	6.92	99	54078	20.16	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.06	67	28227	20.30	ng/ul	0.00
5) 2-Chlorophenol-d4	7.26	132	49726	21.77	ng/ul	0.00
6) 4-Methylphenol-d8	8.45	113	44660	18.62	ng/ul	0.00
8) Nitrobenzene-d5	8.89	128	22988	23.23	ng/ul	0.00
9) 2-Nitrophenol-d4	9.61	143	28792	23.81	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.16	165	51408	21.52	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	18327	11.34	ng/ul	0.00
16) Dimethylphthalate-d6	13.78	166	169928	20.75	ng/ul	0.00
17) Acenaphthylene-d8	14.07	160	211019	22.37	ng/ul	0.00
20) 4-Nitrophenol-d4	14.62	143	15682	15.89	ng/ul	0.00
21) Fluorene-d10	15.37	176	150538	21.58	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	20866	15.25	ng/ul	0.00
26) Anthracene-d10	17.22	188	233734	22.08	ng/ul	0.00
30) Pyrene-d10	19.52	212	259426	27.40	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.42	264	196805	22.69	ng/ul	0.00

Target Compounds

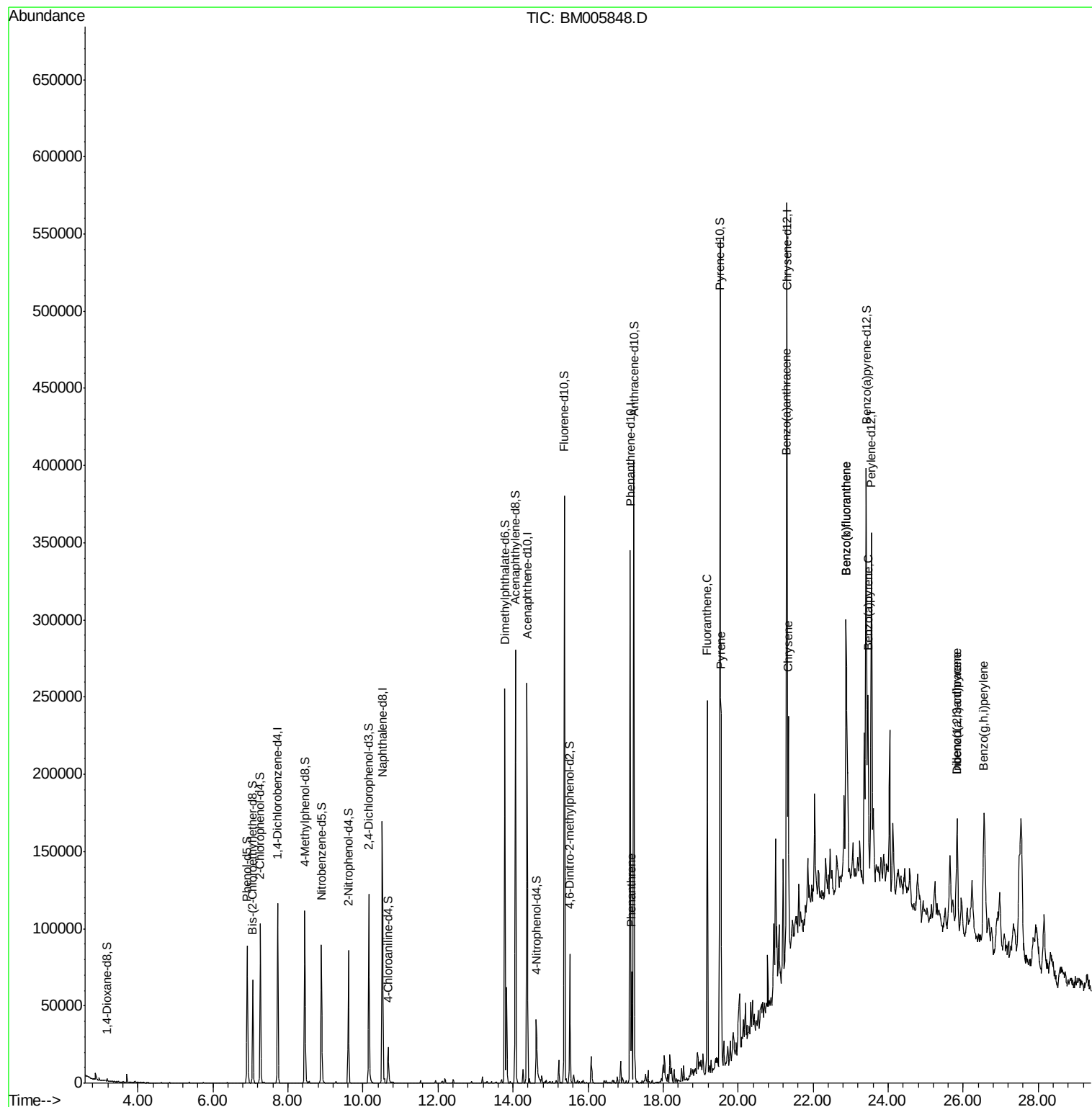
						Qvalue
25) Phenanthrene	17.16	178	44781	3.71	ng/ul	99
28) Fluoranthene	19.18	202	146342	9.65	ng/ul	99
31) Pyrene	19.54	202	136902	11.60	ng/ul	99
32) Benzo(a)anthracene	21.29	228	86262	6.92	ng/ul	97
33) Chrysene	21.34	228	88303	7.35	ng/ul	95
35) Benzo(b)fluoranthene	22.88	252	134729	12.47	ng/ul#	96
36) Benzo(k)fluoranthene	22.88	252	134729	12.92	ng/ul#	97
38) Benzo(a)pyrene	23.46	252	84433	7.96	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.84	276	64965	5.01	ng/ul	96
40) Dibenzo(a,h)anthracene	25.83	278	18253	1.71	ng/ul#	80
41) Benzo(g,h,i)perylene	26.55	276	66102	5.99	ng/ul	98

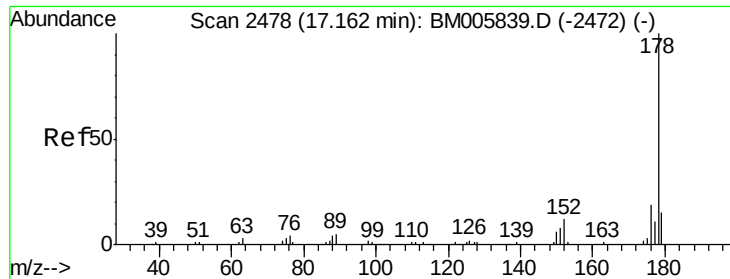
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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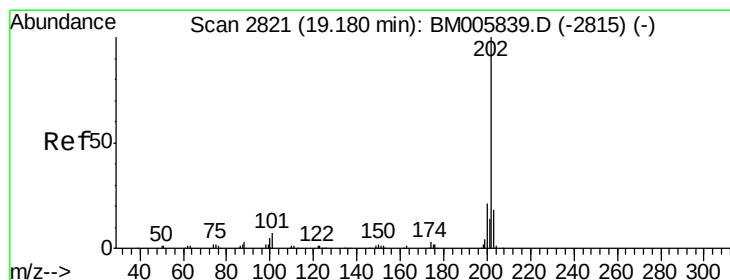
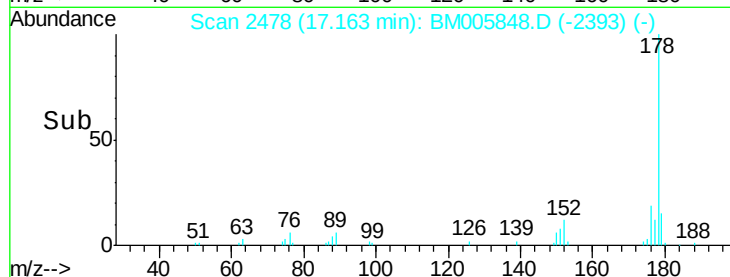
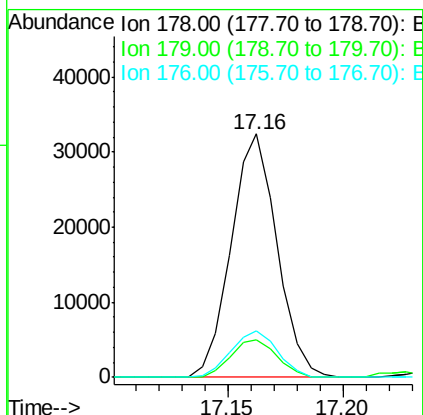
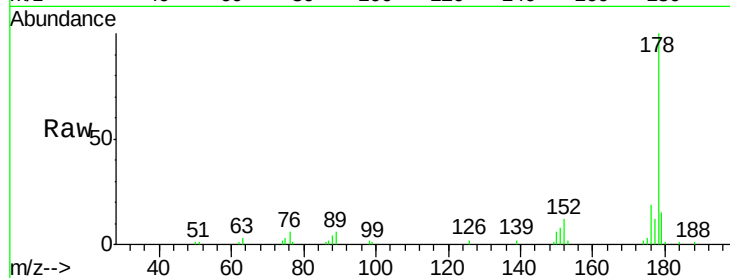




#25
Phenanthrene
Concen: 3.71 ng/ul
RT: 17.16 min Scan# 2478
Delta R.T. 0.00 min
Lab File: BM005848.D
Acq: 17 Jun 2016 03:26

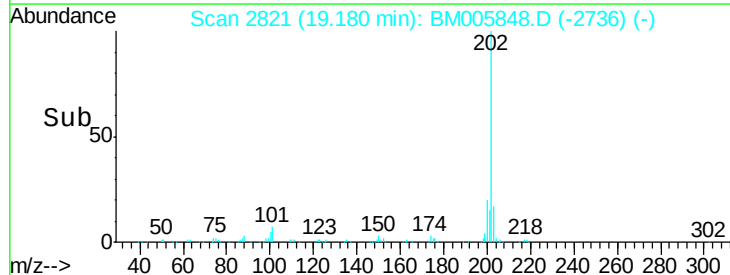
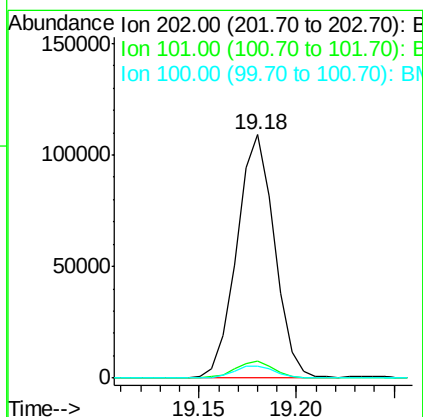
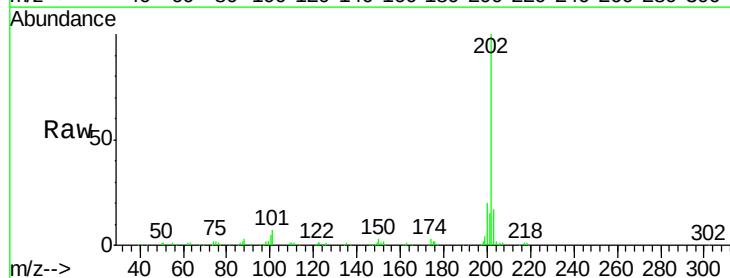
Instrument :
BNA_M
ClientSampleId :
D9Y11

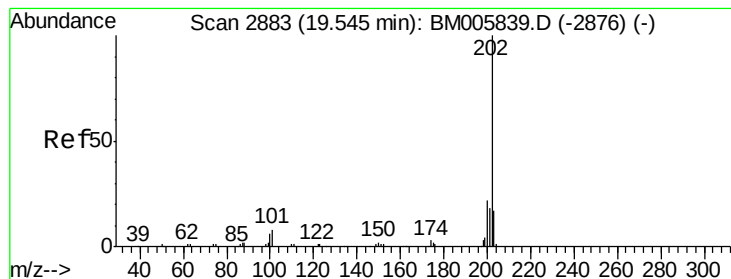
Tgt Ion:178 Resp: 44781
Ion Ratio Lower Upper
178 100
179 15.3 12.0 18.0
176 19.2 14.9 22.3



#28
Fluoranthene
Concen: 9.65 ng/ul
RT: 19.18 min Scan# 2821
Delta R.T. 0.00 min
Lab File: BM005848.D
Acq: 17 Jun 2016 03:26

Tgt Ion:202 Resp: 146342
Ion Ratio Lower Upper
202 100
101 7.1 6.1 9.1
100 5.0 4.2 6.2





#31

Pyrene

Concen: 11.60 ng/ul

RT: 19.54 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BM005848.D

Acq: 17 Jun 2016 03:26

Instrument :

BNA_M

ClientSampleId :

D9Y11

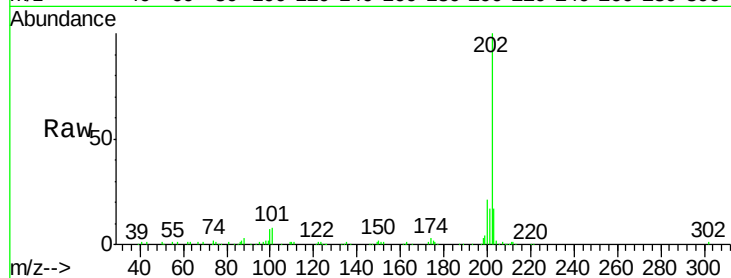
Tgt Ion:202 Resp: 136902

Ion Ratio Lower Upper

202 100

101 7.9 6.5 9.7

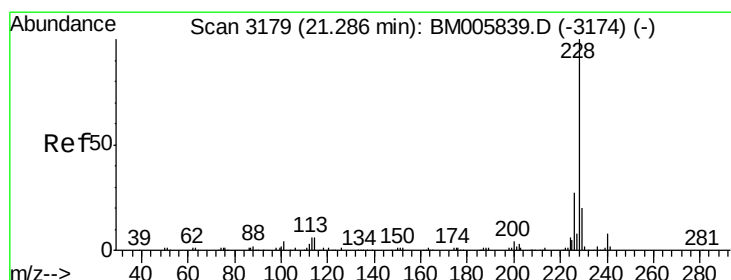
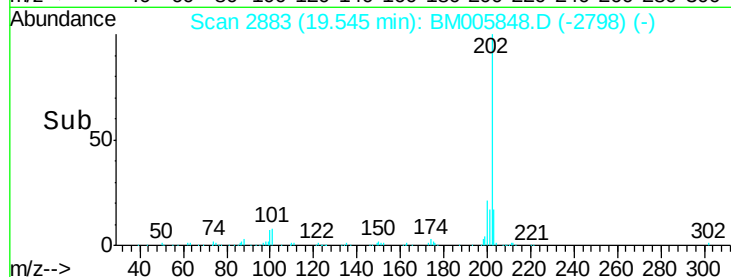
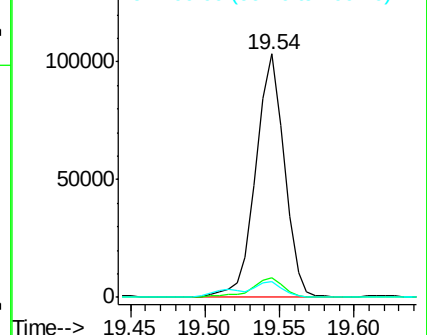
100 6.6 5.4 8.2



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: 6.92 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BM005848.D

Acq: 17 Jun 2016 03:26

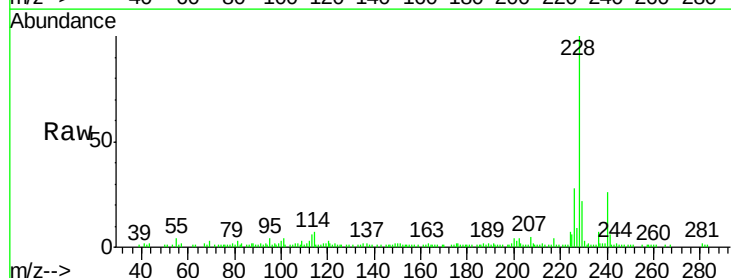
Tgt Ion:228 Resp: 86262

Ion Ratio Lower Upper

228 100

229 22.3 15.8 23.6

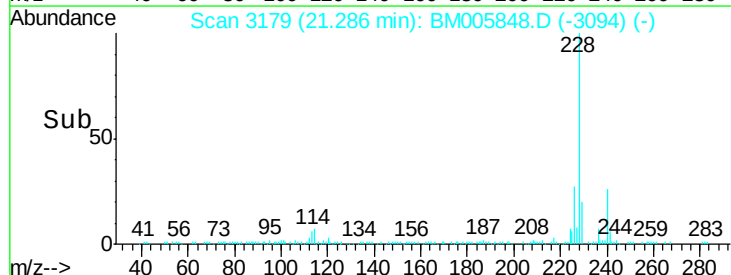
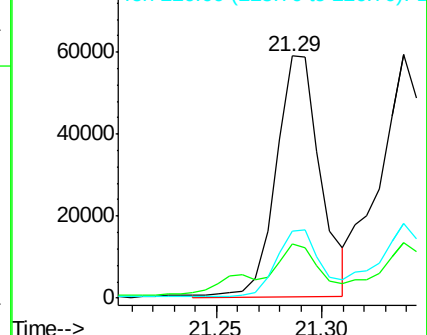
226 27.9 21.8 32.6

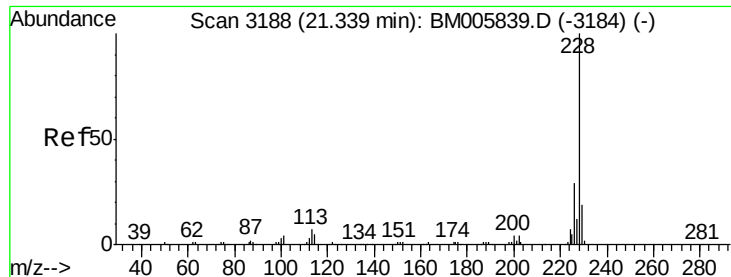


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 7.35 ng/ul

RT: 21.34 min Scan# 3188

Delta R.T. 0.00 min

Lab File: BM005848.D

Acq: 17 Jun 2016 03:26

Instrument :

BNA_M

ClientSampleId :

D9Y11

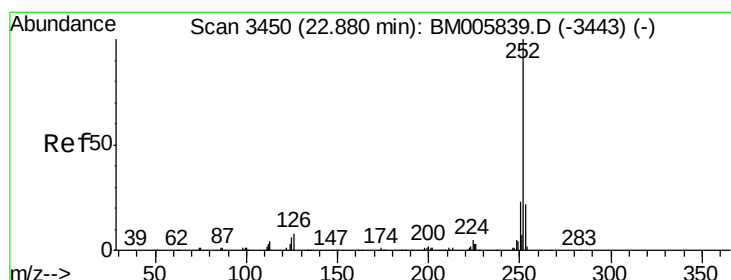
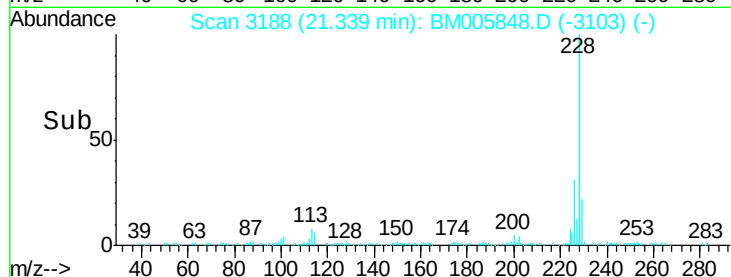
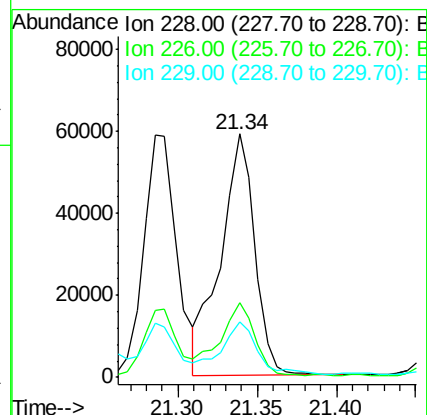
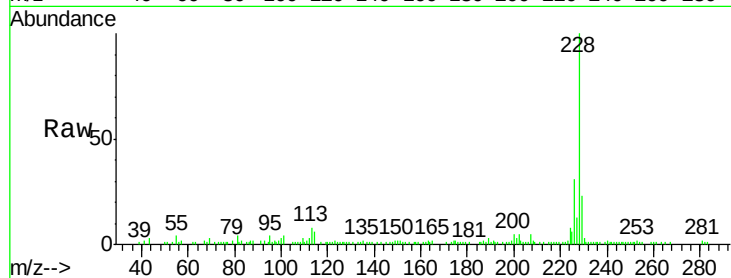
Tgt Ion:228 Resp: 88303

Ion Ratio Lower Upper

228 100

226 30.7 23.5 35.3

229 22.7 15.4 23.0



#35

Benzo(b)fluoranthene

Concen: 12.47 ng/ul

RT: 22.88 min Scan# 3450

Delta R.T. 0.00 min

Lab File: BM005848.D

Acq: 17 Jun 2016 03:26

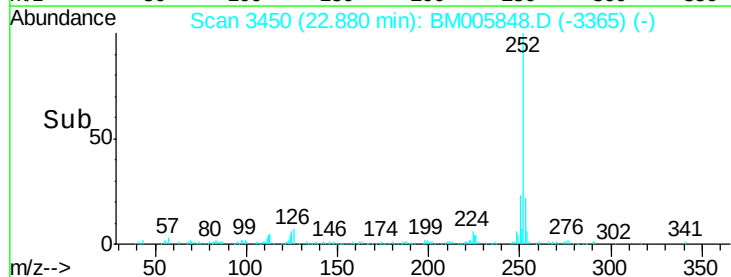
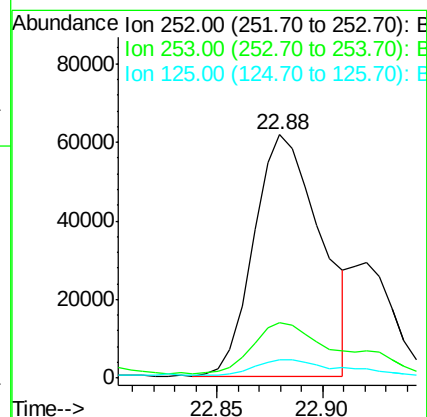
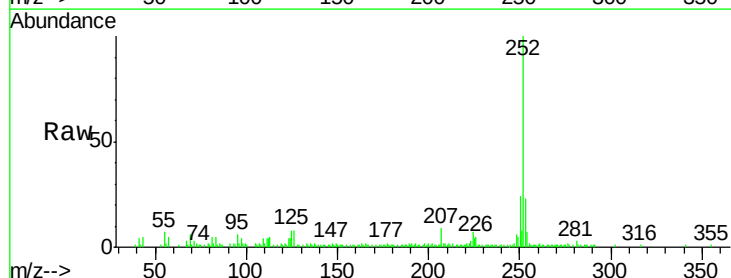
Tgt Ion:252 Resp: 134729

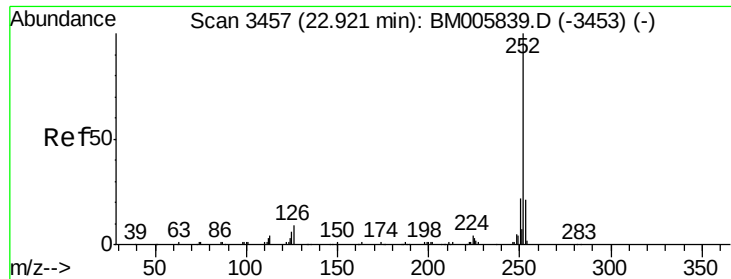
Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 7.5 4.9 7.3#





#36

Benzo(k)fluoranthene

Concen: 12.92 ng/ul

RT: 22.88 min Scan# 3450

Delta R.T. -0.04 min

Lab File: BM005848.D

Acq: 17 Jun 2016 03:26

Instrument :

BNA_M

ClientSampleId :

D9Y11

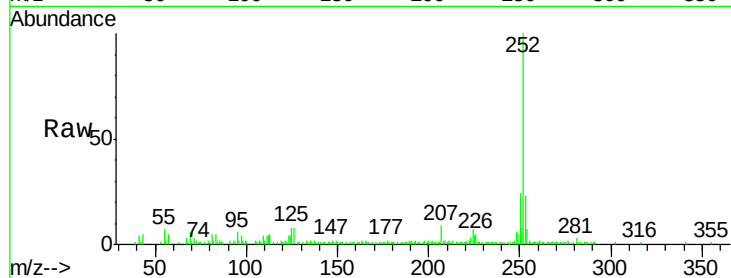
Tgt Ion:252 Resp: 134729

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

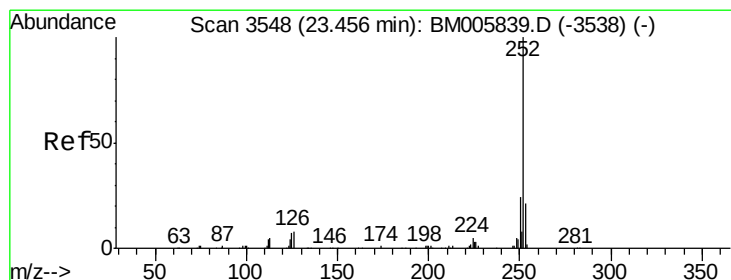
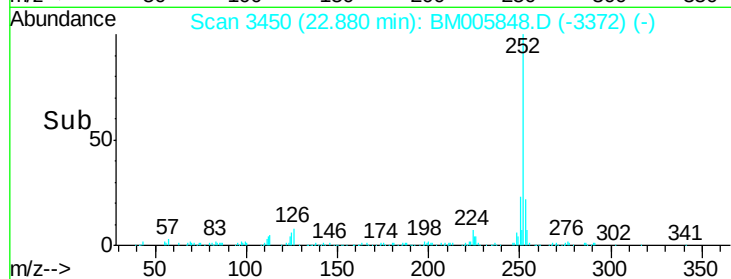
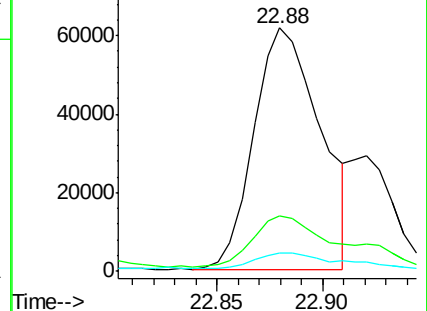
125 7.5 4.8 7.2#



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: 7.96 ng/ul

RT: 23.46 min Scan# 3549

Delta R.T. 0.01 min

Lab File: BM005848.D

Acq: 17 Jun 2016 03:26

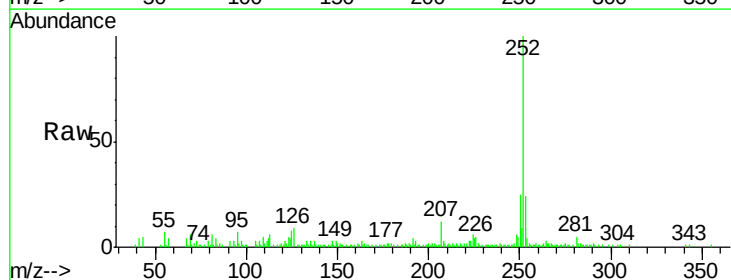
Tgt Ion:252 Resp: 84433

Ion Ratio Lower Upper

252 100

253 24.1 18.0 27.0

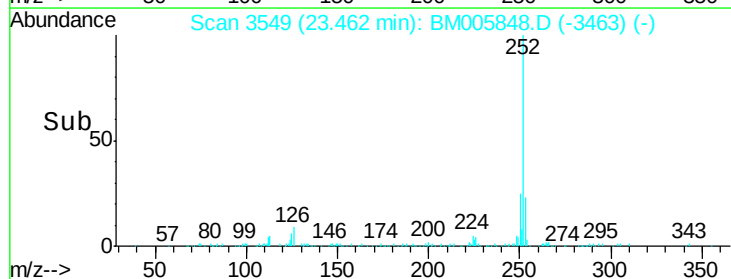
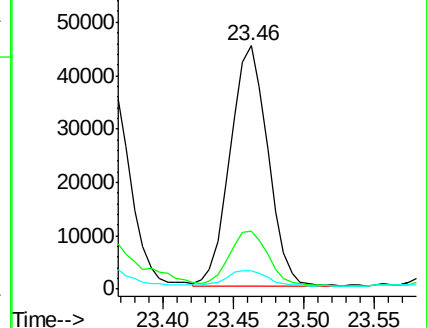
125 7.6 5.1 7.7

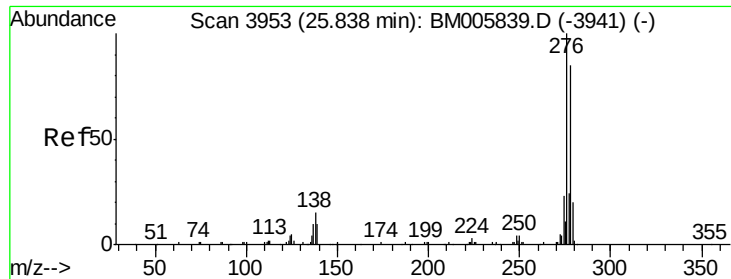


Abundance Ion 252.00 (251.70 to 252.70): E

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: 5.01 ng/ul

RT: 25.84 min Scan# 3954

Delta R.T. 0.01 min

Lab File: BM005848.D

Acq: 17 Jun 2016 03:26

Instrument :

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ClientSampleId :

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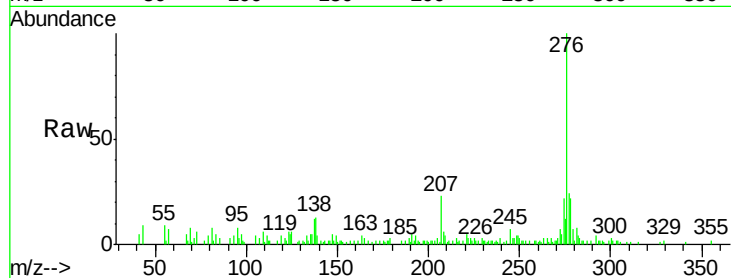
Tgt Ion:276 Resp: 64965

Ion Ratio Lower Upper

276 100

138 13.4 11.9 17.9

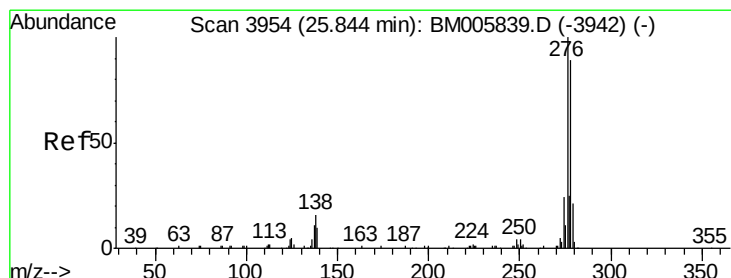
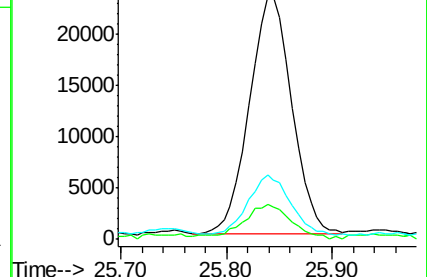
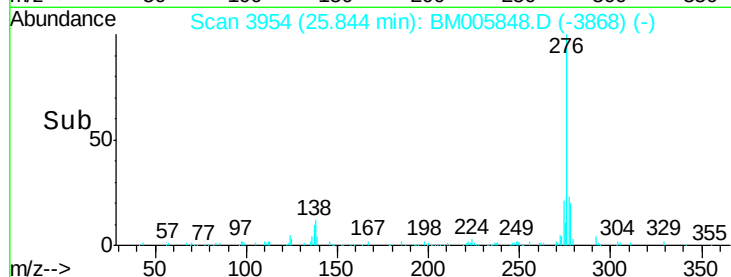
277 24.1 21.0 31.6



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



#40

Dibenzo(a,h)anthracene

Concen: 1.71 ng/ul

RT: 25.83 min Scan# 3952

Delta R.T. -0.01 min

Lab File: BM005848.D

Acq: 17 Jun 2016 03:26

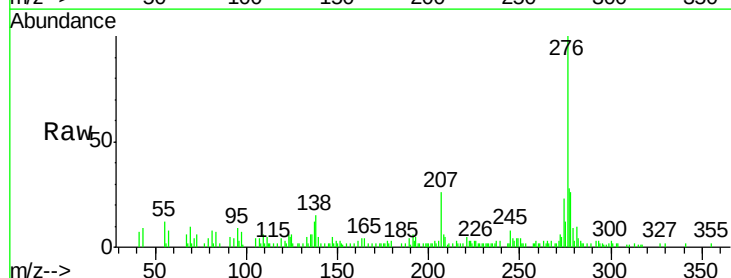
Tgt Ion:278 Resp: 18253

Ion Ratio Lower Upper

278 100

139 17.7 8.2 12.4#

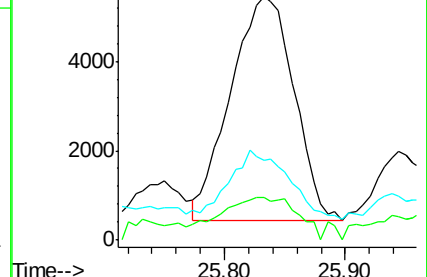
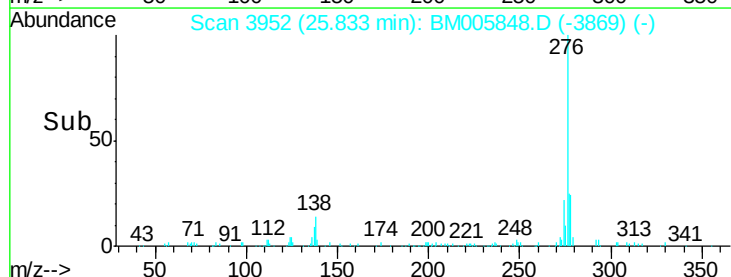
279 32.9 18.6 27.8#

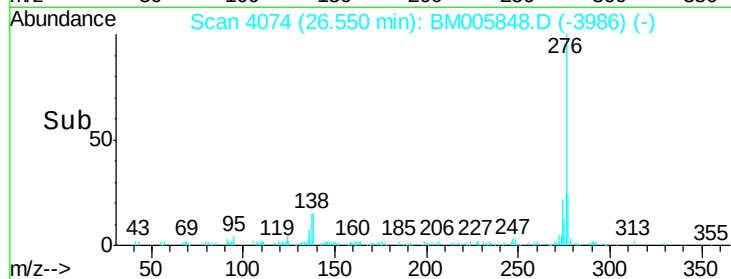
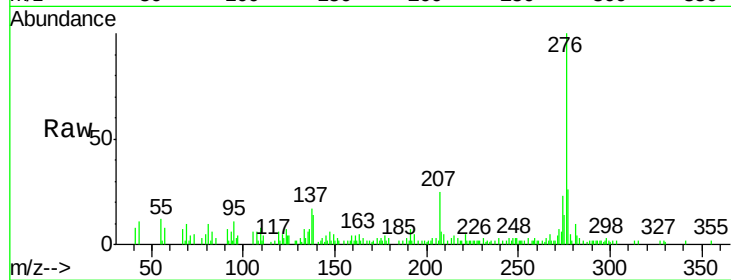
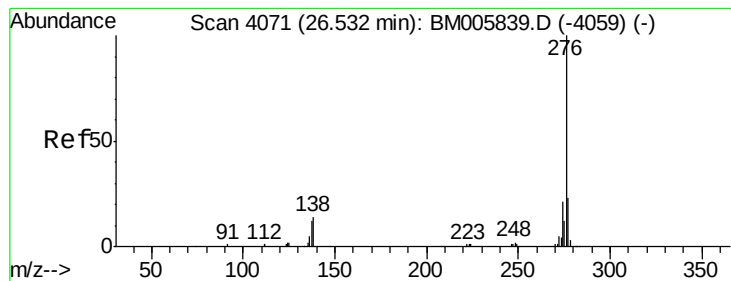


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41

Benzo(g,h,i)perylene

Concen: 5.99 ng/ul

RT: 26.55 min Scan# 4074

Delta R.T. 0.02 min

Lab File: BM005848.D

Acq: 17 Jun 2016 03:26

Instrument :

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ClientSampleId :

D9Y11

Tgt Ion:276 Resp: 66102

Ion Ratio Lower Upper

276 100

138 14.3 10.6 15.8

277 25.7 19.6 29.4

