

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061716\
 Data File : BM005849.D
 Acq On : 17 Jun 2016 04:02
 Operator : UM/SJ
 Sample : H3535-20
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y10

Quant Time: Jun 17 05:07:46 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	25668	20.00	ng/ul	0.00
7) Naphthalene-d8	10.52	136	118634	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.37	164	74582	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.12	188	179011	20.00	ng/ul	0.00
29) Chrysene-d12	21.30	240	224862	20.00	ng/ul	0.00
34) Perylene-d12	23.56	264	203765	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	805	4.06	ng/uL	0.00
3) Phenol-d5	6.92	99	44732	20.82	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.06	67	24424	21.93	ng/ul	0.00
5) 2-Chlorophenol-d4	7.27	132	41647	22.77	ng/ul	0.00
6) 4-Methylphenol-d8	8.45	113	31900	16.61	ng/ul	0.00
8) Nitrobenzene-d5	8.89	128	20123	24.03	ng/ul	0.00
9) 2-Nitrophenol-d4	9.61	143	24512	23.96	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.16	165	45880	22.70	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	22359	16.35	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	158632	22.48	ng/ul	0.00
17) Acenaphthylene-d8	14.07	160	193575	23.81	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	14591	17.16	ng/ul	0.01
21) Fluorene-d10	15.37	176	140966	23.45	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	18336	15.18	ng/ul	0.00
26) Anthracene-d10	17.22	188	225156	24.09	ng/ul	0.00
30) Pyrene-d10	19.52	212	274104	25.72	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.41	264	249136	24.45	ng/ul	0.00

Target Compounds

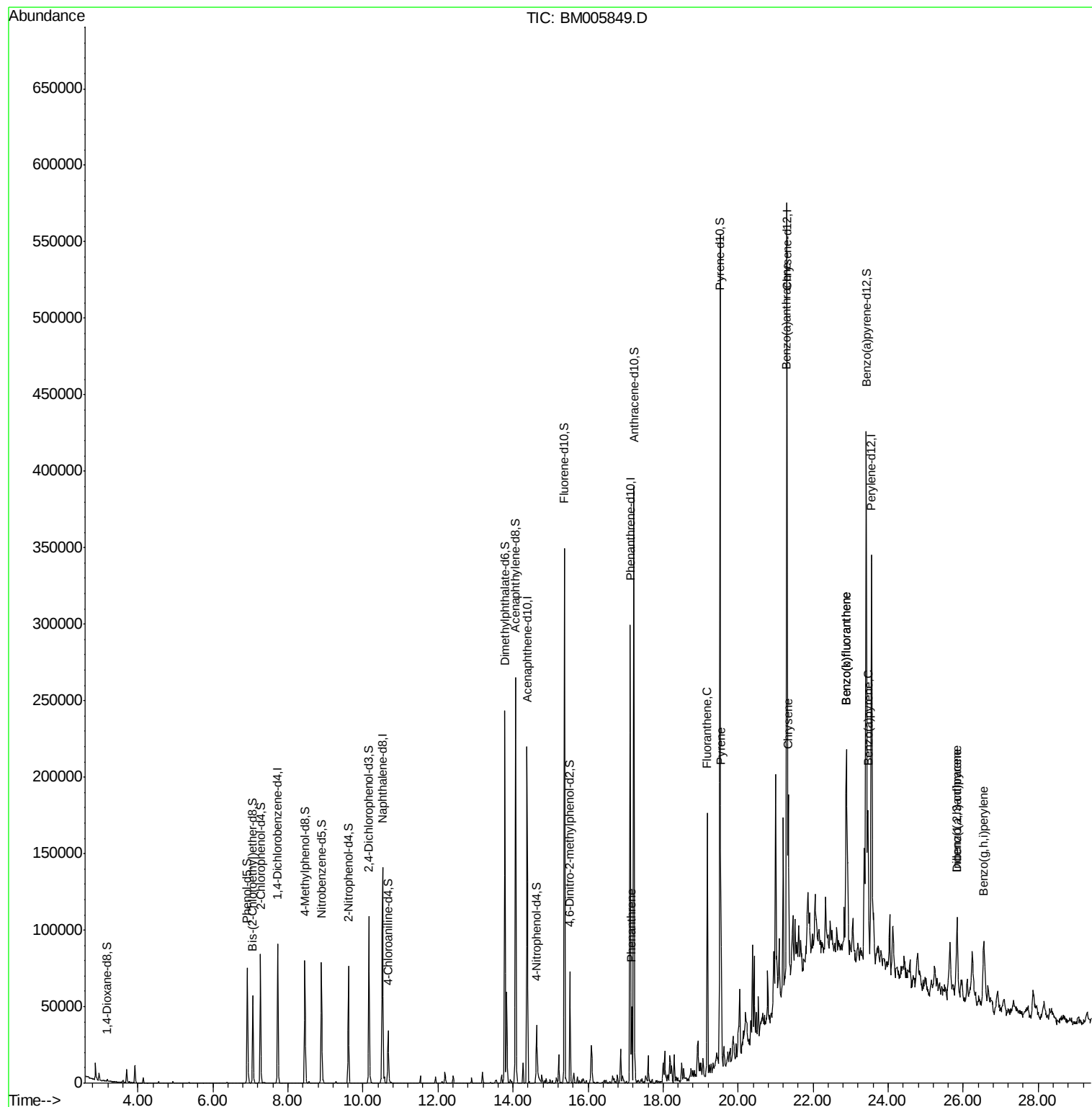
						Qvalue
25) Phenanthrene	17.16	178	32085	3.01	ng/ul	96
28) Fluoranthene	19.18	202	101270	7.56	ng/ul	98
31) Pyrene	19.54	202	97869	7.36	ng/ul	99
32) Benzo(a)anthracene	21.29	228	64843	4.62	ng/ul	95
33) Chrysene	21.34	228	70533	5.21	ng/ul	96
35) Benzo(b)fluoranthene	22.88	252	110166	8.69	ng/ul	94
36) Benzo(k)fluoranthene	22.88	252	110166	8.99	ng/ul#	95
38) Benzo(a)pyrene	23.46	252	66421	5.33	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.84	276	46333	3.04	ng/ul	98
40) Dibenzo(a,h)anthracene	25.84	278	12859	1.03	ng/ul#	81
41) Benzo(g,h,i)perylene	26.54	276	45784	3.53	ng/ul	99

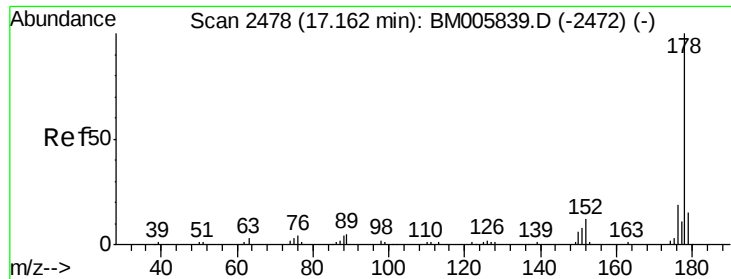
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 3.01 ng/ul

RT: 17.16 min Scan# 2478

Delta R.T. -0.00 min

Lab File: BM005849.D

Acq: 17 Jun 2016 04:02

Instrument :

BNA_M

ClientSampleId :

D9Y10

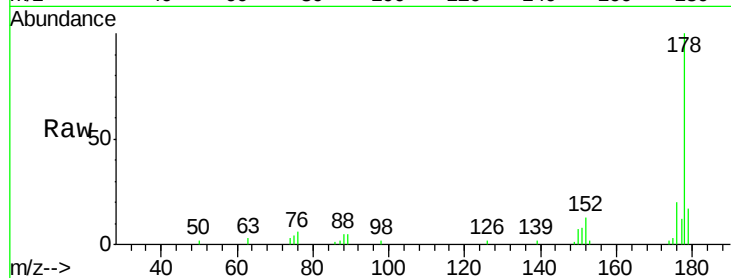
Tgt Ion:178 Resp: 32085

Ion Ratio Lower Upper

178 100

179 17.4 12.0 18.0

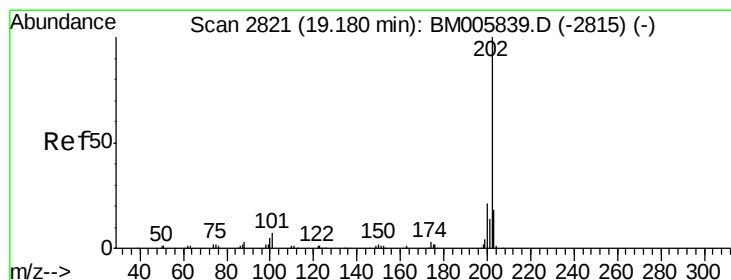
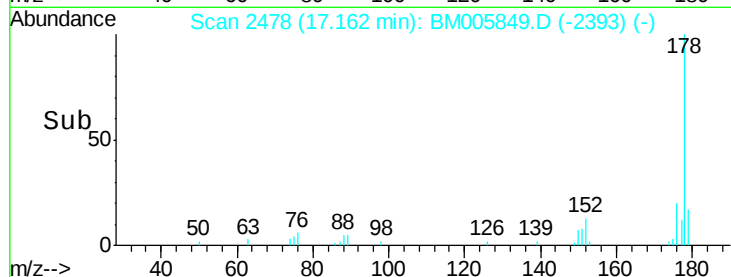
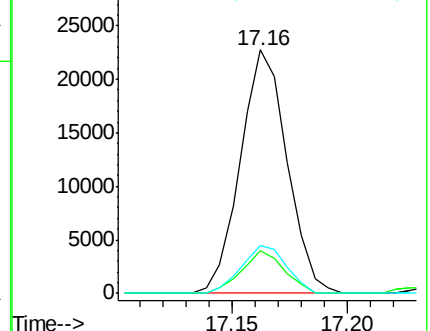
176 19.7 14.9 22.3



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: 7.56 ng/ul

RT: 19.18 min Scan# 2821

Delta R.T. -0.00 min

Lab File: BM005849.D

Acq: 17 Jun 2016 04:02

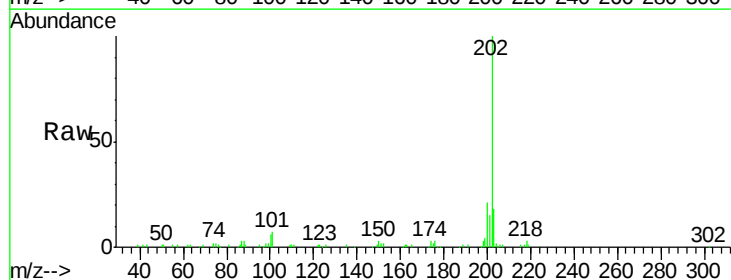
Tgt Ion:202 Resp: 101270

Ion Ratio Lower Upper

202 100

101 6.7 6.1 9.1

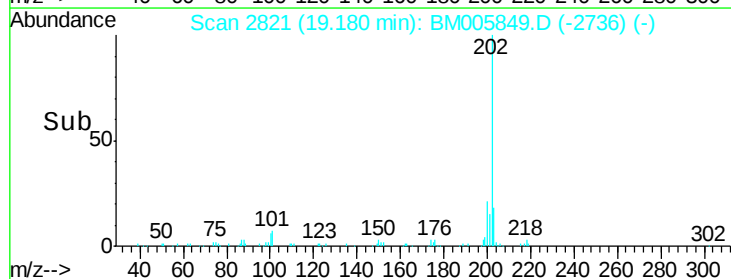
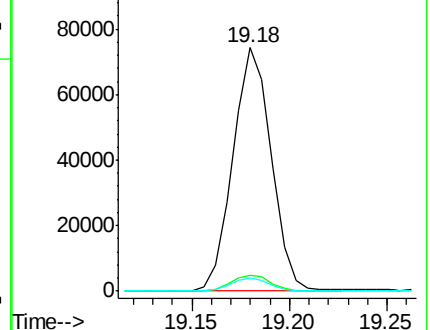
100 5.6 4.2 6.2

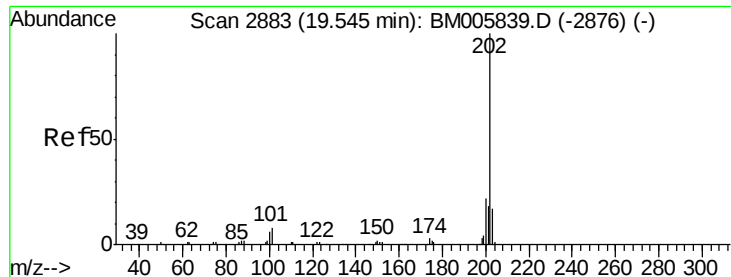


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

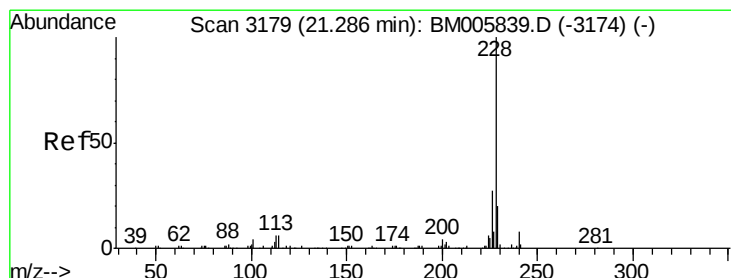
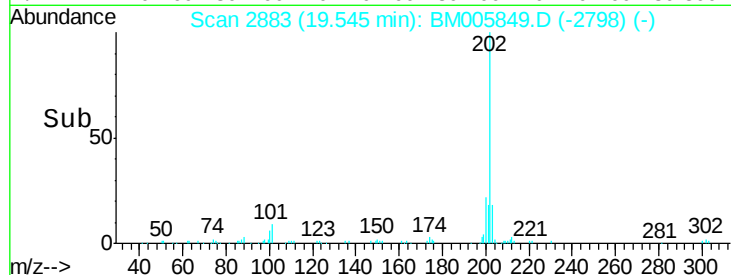
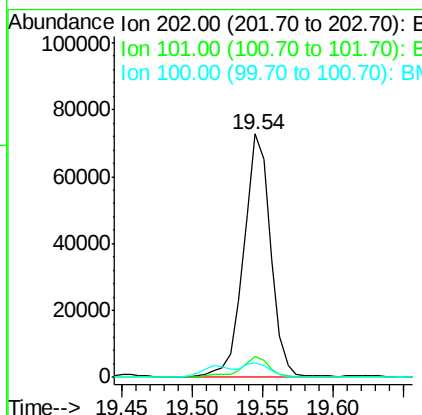
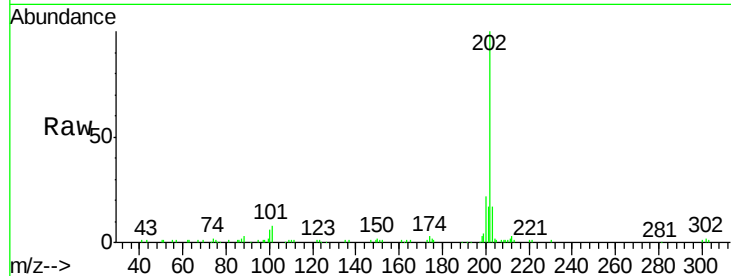




#31
 Pyrene
 Concen: 7.36 ng/ul
 RT: 19.54 min Scan# 2883
 Delta R.T. -0.00 min
 Lab File: BM005849.D
 Acq: 17 Jun 2016 04:02

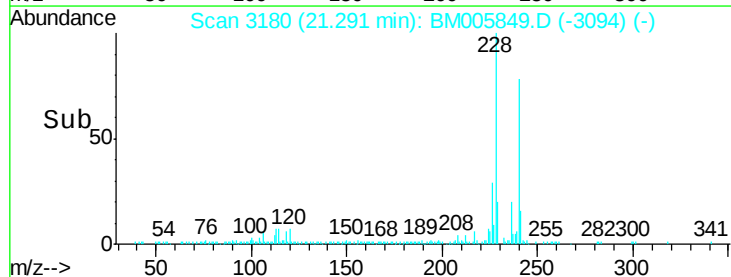
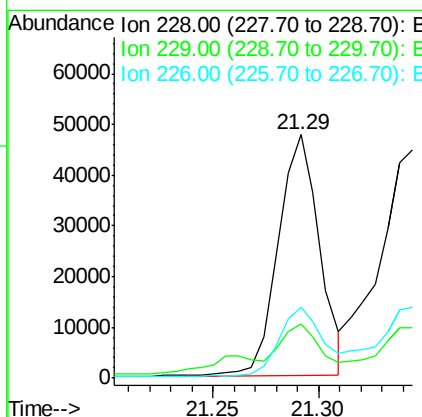
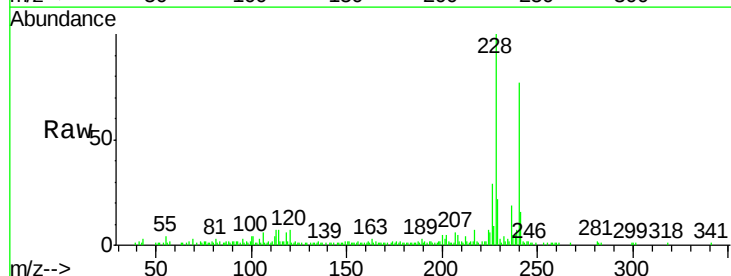
Instrument :
 BNA_M
 ClientSampleId :
 D9Y10

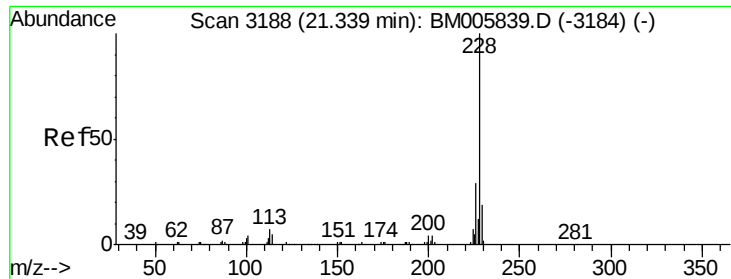
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	6.5	9.7
100	6.2	5.4	8.2



#32
 Benzo(a)anthracene
 Concen: 4.62 ng/ul
 RT: 21.29 min Scan# 3180
 Delta R.T. 0.01 min
 Lab File: BM005849.D
 Acq: 17 Jun 2016 04:02

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.4	15.8	23.6
226	29.2	21.8	32.6





#33

Chrysene

Concen: 5.21 ng/ul

RT: 21.34 min Scan# 3189

Delta R.T. 0.01 min

Lab File: BM005849.D

Acq: 17 Jun 2016 04:02

Instrument :

BNA_M

ClientSampleId :

D9Y10

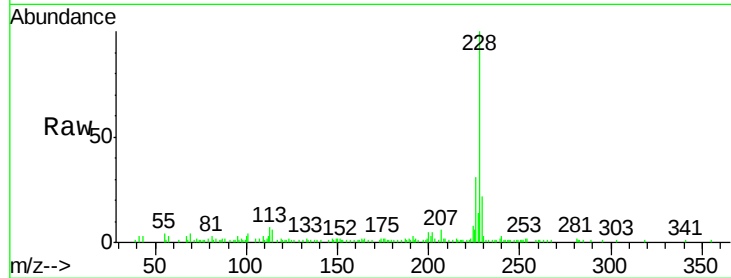
Tgt Ion:228 Resp: 70533

Ion Ratio Lower Upper

228 100

226 30.7 23.5 35.3

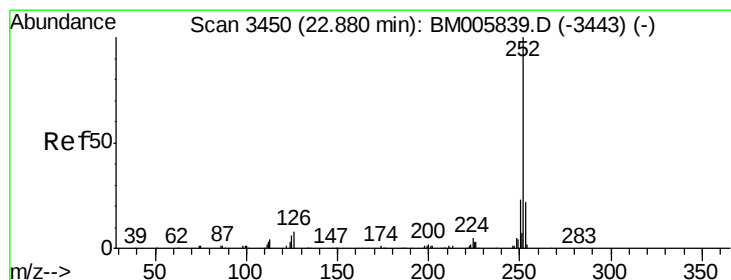
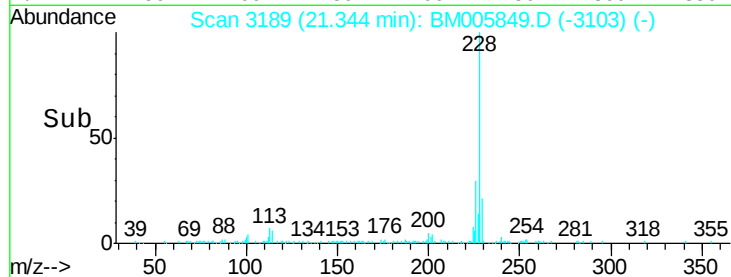
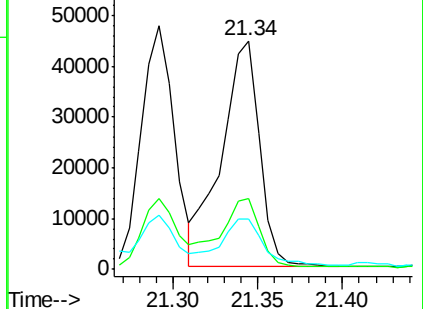
229 21.7 15.4 23.0



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: 8.69 ng/ul

RT: 22.88 min Scan# 3450

Delta R.T. -0.00 min

Lab File: BM005849.D

Acq: 17 Jun 2016 04:02

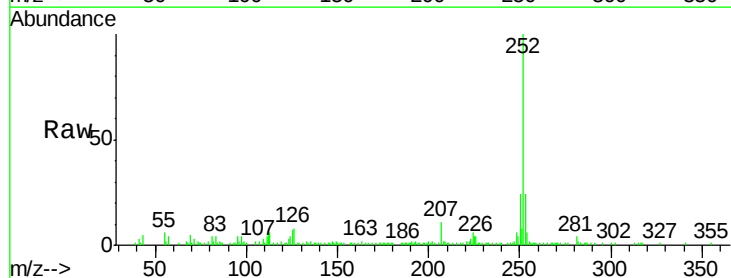
Tgt Ion:252 Resp: 110166

Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

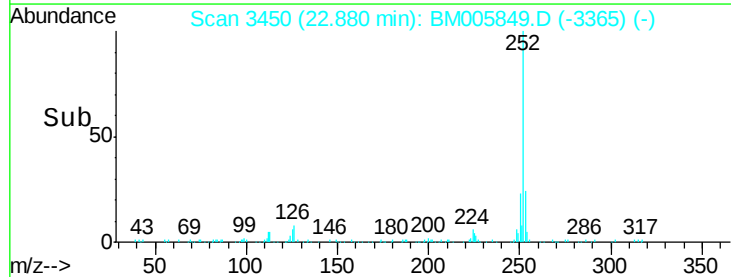
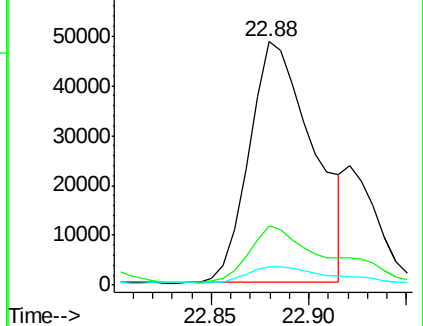
125 7.3 4.9 7.3

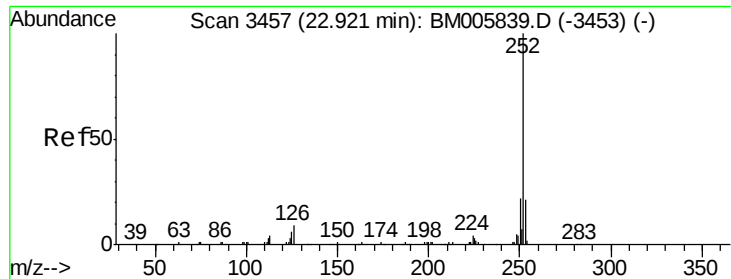


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

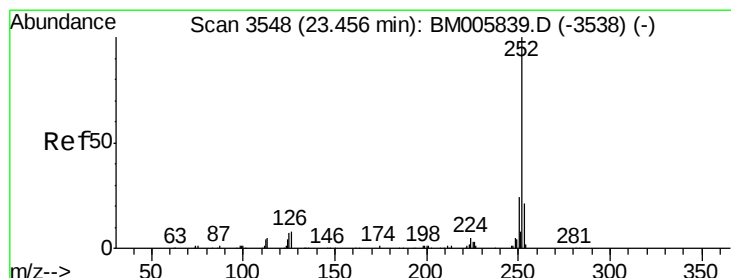
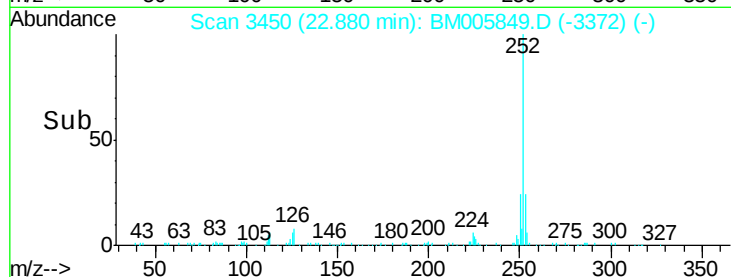
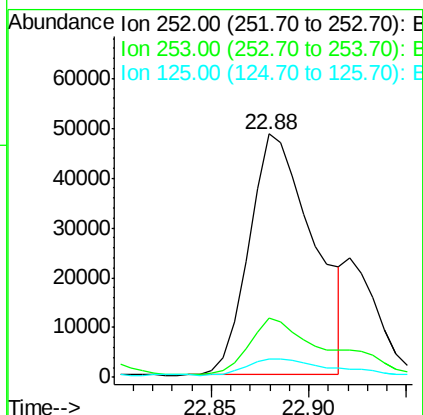
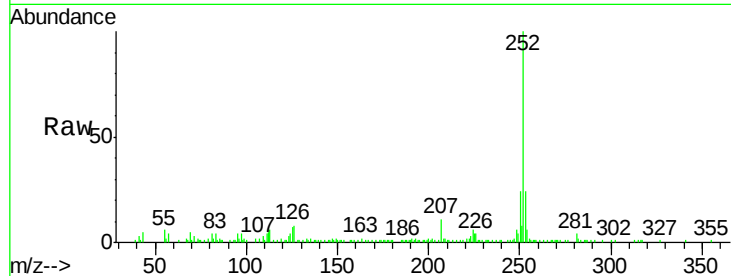




#36
Benzo(k)fluoranthene
Concen: 8.99 ng/u1
RT: 22.88 min Scan# 3450
Delta R.T. -0.04 min
Lab File: BM005849.D
Acq: 17 Jun 2016 04:02

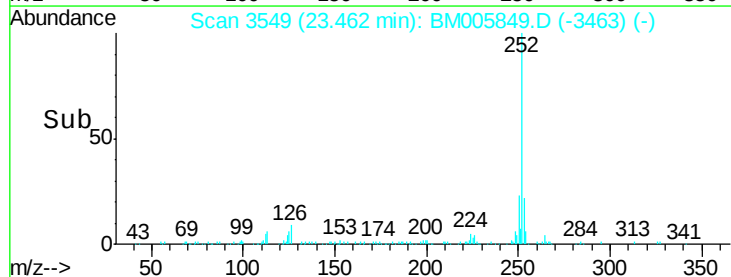
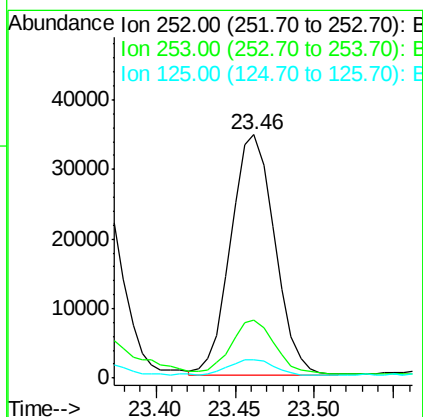
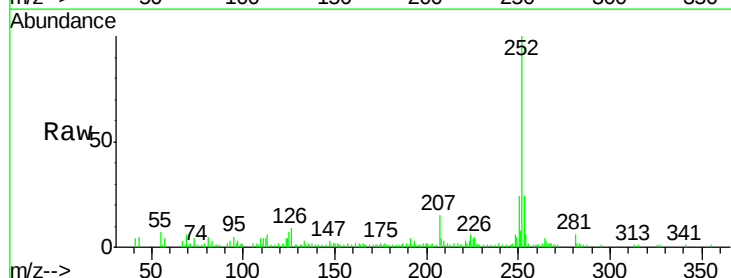
Instrument :
BNA_M
ClientSampleId :
D9Y10

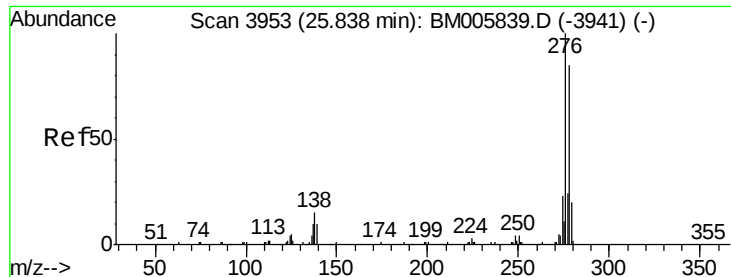
Tgt Ion:252 Resp: 110166
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 7.3 4.8 7.2#



#38
Benzo(a)pyrene
Concen: 5.33 ng/u1
RT: 23.46 min Scan# 3549
Delta R.T. 0.01 min
Lab File: BM005849.D
Acq: 17 Jun 2016 04:02

Tgt Ion:252 Resp: 66421
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 7.4 5.1 7.7





#39

Indeno(1,2,3-cd)pyrene

Concen: 3.04 ng/ul

RT: 25.84 min Scan# 3954

Delta R.T. 0.01 min

Lab File: BM005849.D

Acq: 17 Jun 2016 04:02

Instrument :

BNA_M

ClientSampleId :

D9Y10

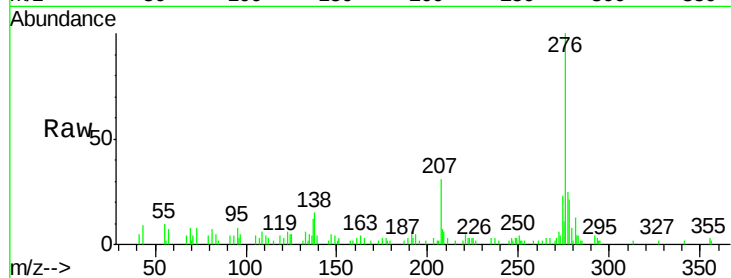
Tgt Ion:276 Resp: 46333

Ion Ratio Lower Upper

276 100

138 15.3 11.9 17.9

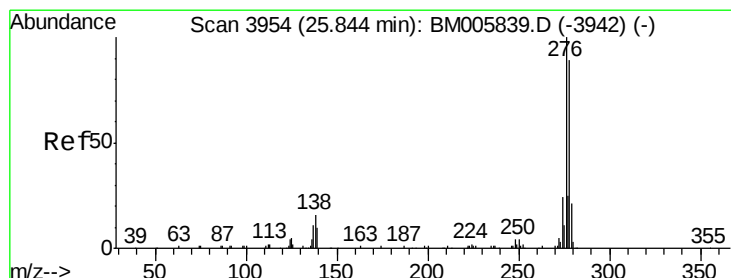
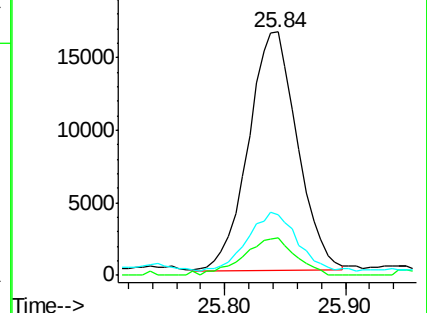
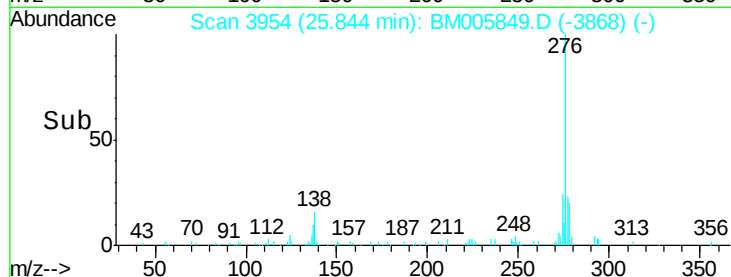
277 25.0 21.0 31.6



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: 1.03 ng/ul

RT: 25.84 min Scan# 3953

Delta R.T. -0.01 min

Lab File: BM005849.D

Acq: 17 Jun 2016 04:02

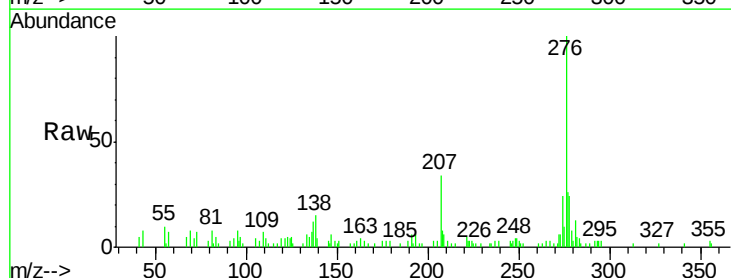
Tgt Ion:278 Resp: 12859

Ion Ratio Lower Upper

278 100

139 16.5 8.2 12.4#

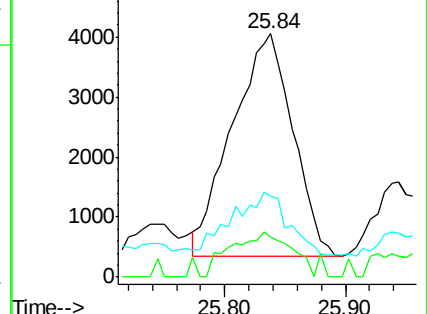
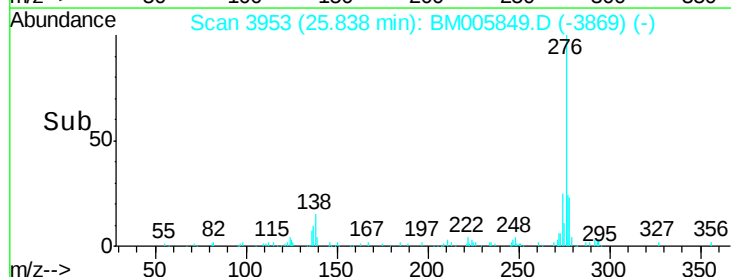
279 33.3 18.6 27.8#

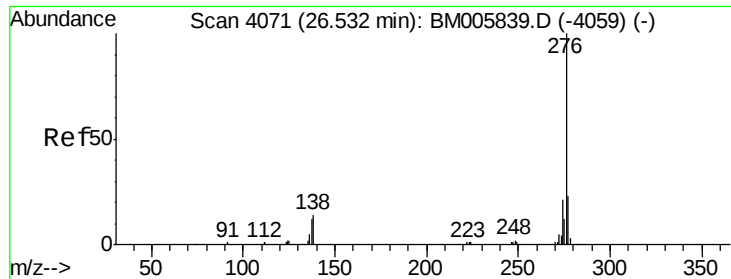


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.53 ng/ul

RT: 26.54 min Scan# 4073

Delta R.T. 0.01 min

Lab File: BM005849.D

Acq: 17 Jun 2016 04:02

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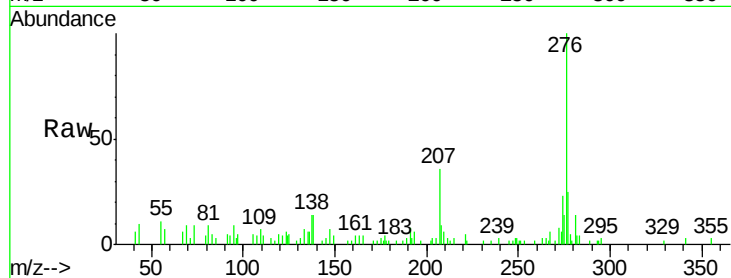
Tgt Ion:276 Resp: 45784

Ion Ratio Lower Upper

276 100

138 14.2 10.6 15.8

277 24.9 19.6 29.4



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

