

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061816\
 Data File : BM005871.D
 Acq On : 17 Jun 2016 21:11
 Operator : UM/SJ
 Sample : H3535-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y11

Quant Time: Jun 17 23:19:08 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 17 10:48:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	24538	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	106626	20.00	ng/ul	0.01
15) Acenaphthene-d10	14.38	164	66333	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	157219	20.00	ng/ul	0.01
29) Chrysene-d12	21.32	240	146142	20.00	ng/ul	0.01
34) Perylene-d12	23.58	264	137229	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	597	3.15	ng/uL	0.00
3) Phenol-d5	6.93	99	44681	21.75	ng/ul	0.02
4) Bis-(2-Chloroethyl)ether-d	7.07	67	22560	21.19	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	40985	23.92	ng/ul	0.01
6) 4-Methylphenol-d8	8.46	113	38355	20.89	ng/ul	0.01
8) Nitrobenzene-d5	8.90	128	19468	25.87	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	22534	24.50	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	44405	24.45	ng/ul	0.01
12) 4-Chloroaniline-d4	10.68	131	18142	14.76	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	145743	23.22	ng/ul	0.00
17) Acenaphthylene-d8	14.07	160	179358	24.81	ng/ul	0.00
20) 4-Nitrophenol-d4	14.65	143	11963	15.82	ng/ul	0.03
21) Fluorene-d10	15.38	176	130378	24.38	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	15.53	200	8946	8.43	ng/ul	0.02
26) Anthracene-d10	17.23	188	200036	24.37	ng/ul	0.01
30) Pyrene-d10	19.53	212	210732	30.42	ng/ul	0.01
37) Benzo(a)pyrene-d12	23.44	264	170298	24.82	ng/ul	0.02

Target Compounds

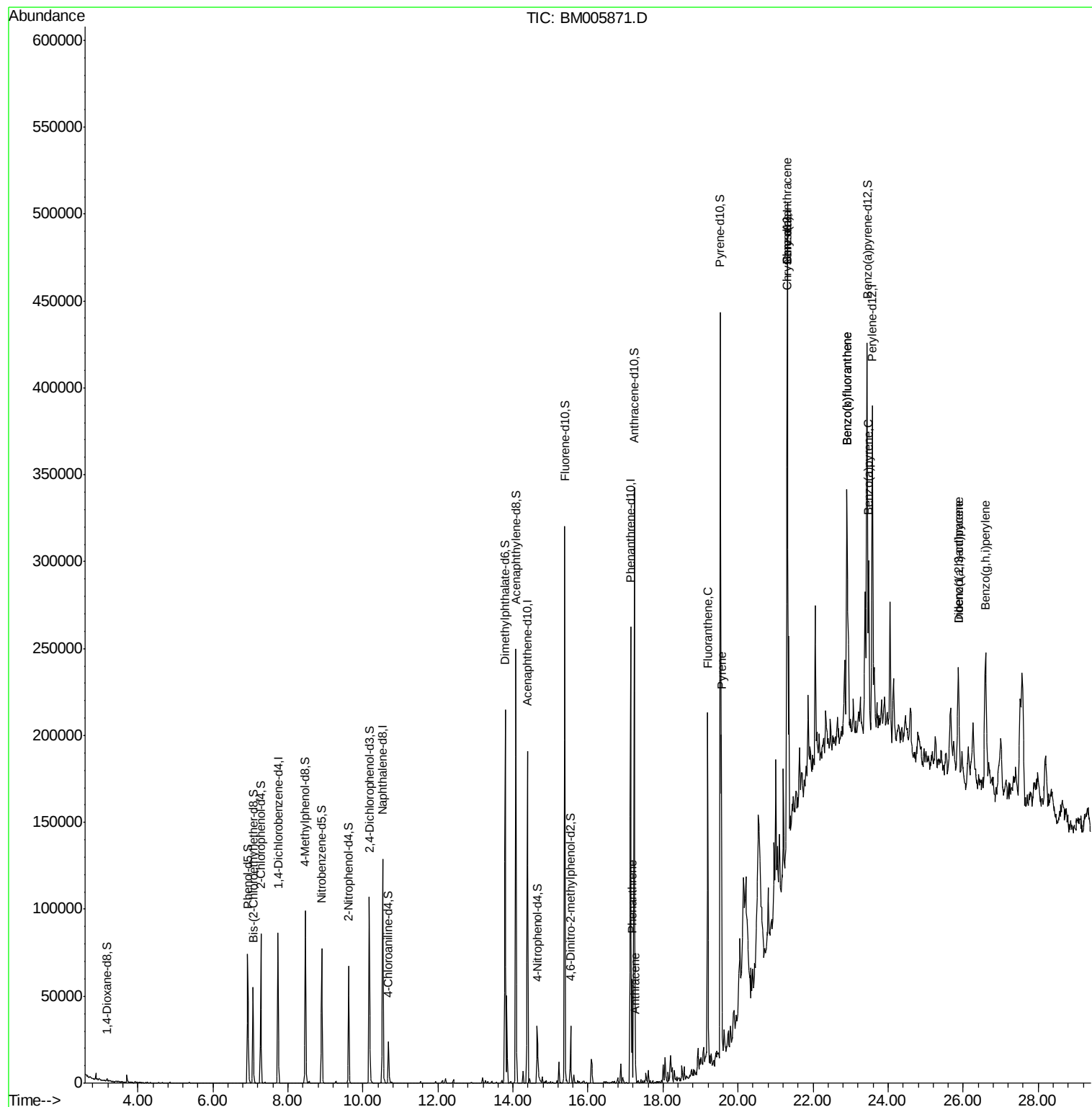
						Qvalue
25) Phenanthrene	17.17	178	38281	4.09	ng/ul	99
27) Anthracene	17.26	178	9722	1.02	ng/ul	97
28) Fluoranthene	19.19	202	119810	10.19	ng/ul	98
31) Pyrene	19.56	202	110693	12.82	ng/ul	98
32) Benzo(a)anthracene	21.30	228	70794	7.76	ng/ul	97
33) Chrysene	21.30	228	70794	8.05	ng/ul	96
35) Benzo(b)fluoranthene	22.90	252	114671	13.42	ng/ul#	95
36) Benzo(k)fluoranthene	22.90	252	114671	13.90	ng/ul#	96
38) Benzo(a)pyrene	23.48	252	73723	8.79	ng/ul#	96
39) Indeno(1,2,3-cd)pyrene	25.87	276	58126	5.67	ng/ul	97
40) Dibenzo(a,h)anthracene	25.87	278	16007	1.90	ng/ul#	69
41) Benzo(g,h,i)perylene	26.59	276	58997	6.76	ng/ul	97

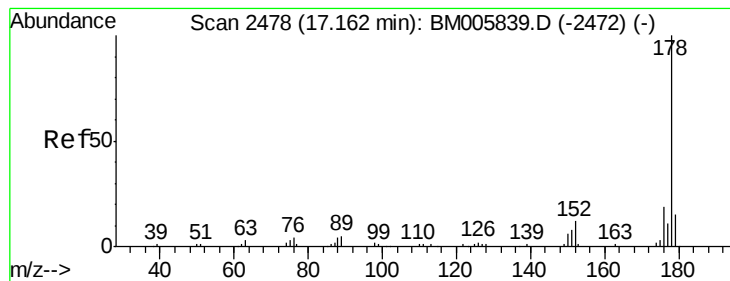
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 4.09 ng/ul

RT: 17.17 min Scan# 2480

Delta R.T. 0.01 min

Lab File: BM005871.D

Acq: 17 Jun 2016 21:11

Instrument :

BNA_M

ClientSampleId :

D9Y11

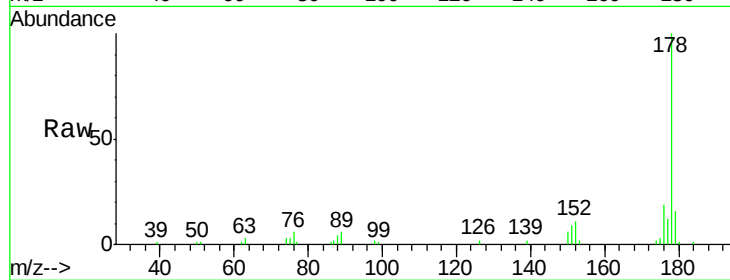
Tgt Ion:178 Resp: 38281

Ion Ratio Lower Upper

178 100

179 15.7 12.0 18.0

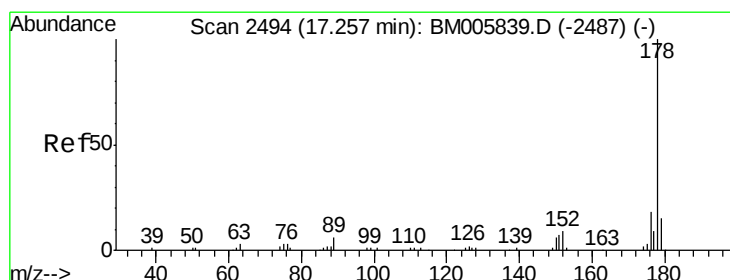
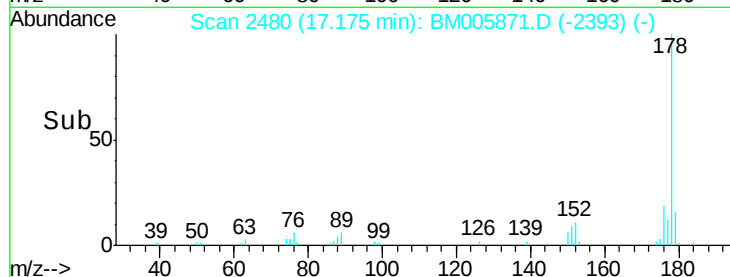
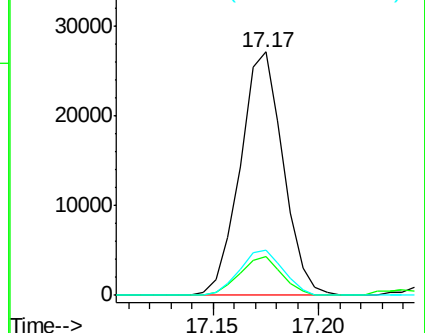
176 18.6 14.9 22.3



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



#27

Anthracene

Concen: 1.02 ng/ul

RT: 17.26 min Scan# 2495

Delta R.T. 0.01 min

Lab File: BM005871.D

Acq: 17 Jun 2016 21:11

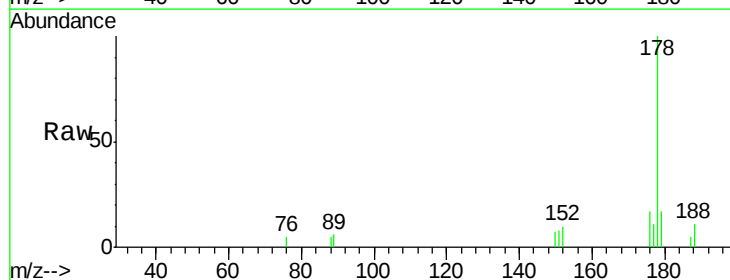
Tgt Ion:178 Resp: 9722

Ion Ratio Lower Upper

178 100

179 16.5 11.9 17.9

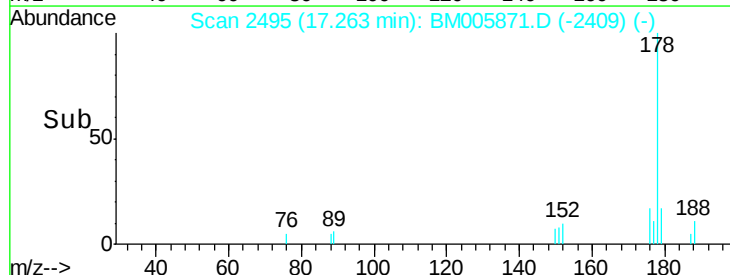
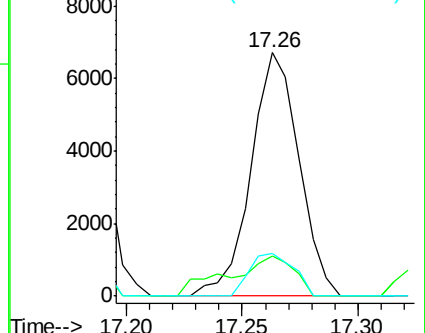
176 17.3 14.8 22.2

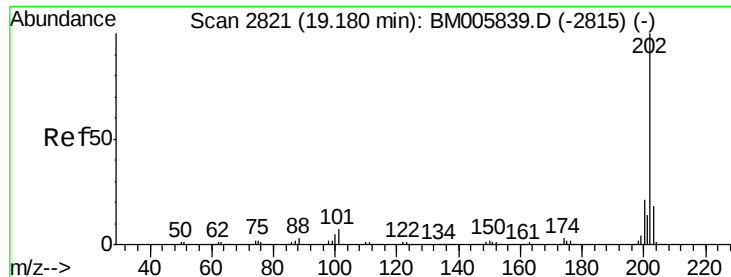


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 10.19 ng/ul

RT: 19.19 min Scan# 2823

Delta R.T. 0.01 min

Lab File: BM005871.D

Acq: 17 Jun 2016 21:11

Instrument :

BNA_M

ClientSampleId :

D9Y11

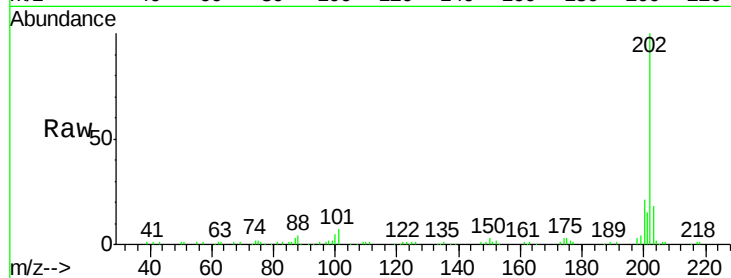
Tgt Ion:202 Resp: 119810

Ion Ratio Lower Upper

202 100

101 6.9 6.1 9.1

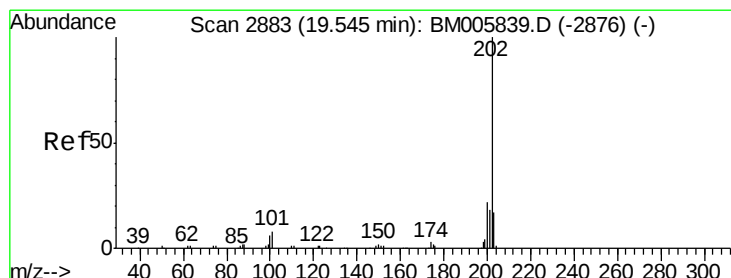
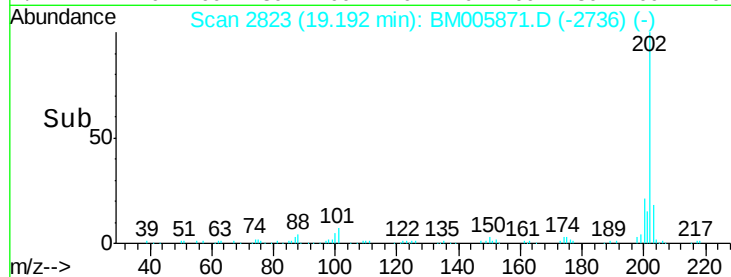
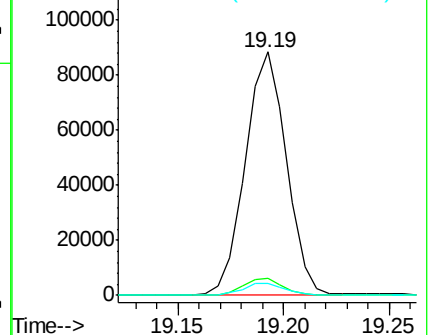
100 4.7 4.2 6.2



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: 12.82 ng/ul

RT: 19.56 min Scan# 2885

Delta R.T. 0.01 min

Lab File: BM005871.D

Acq: 17 Jun 2016 21:11

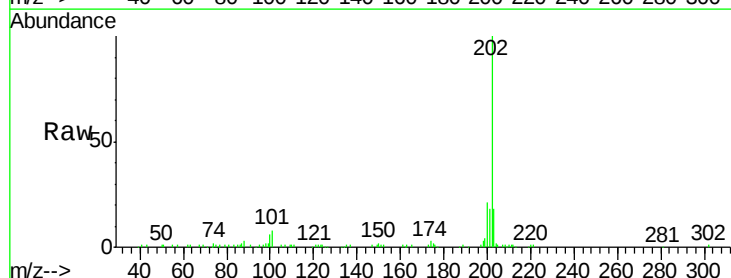
Tgt Ion:202 Resp: 110693

Ion Ratio Lower Upper

202 100

101 7.6 6.5 9.7

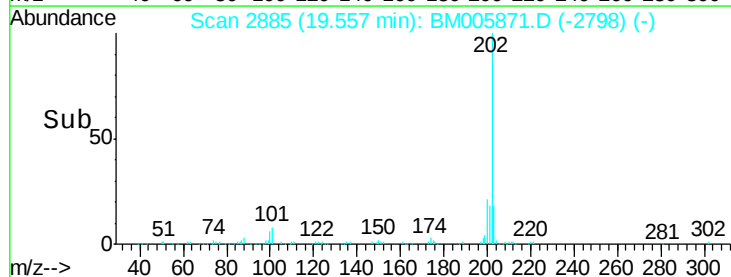
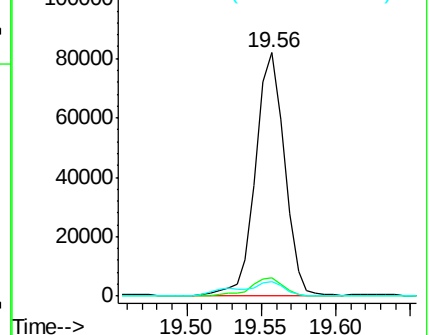
100 6.2 5.4 8.2

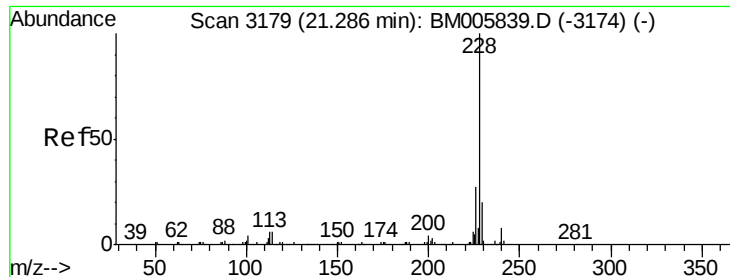


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 7.76 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. 0.02 min

Lab File: BM005871.D

Acq: 17 Jun 2016 21:11

Instrument :

BNA_M

ClientSampleId :

D9Y11

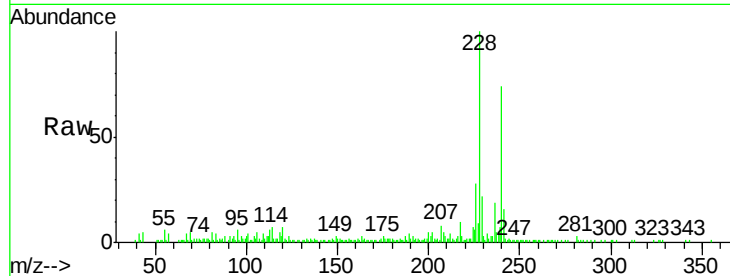
Tgt Ion:228 Resp: 70794

Ion Ratio Lower Upper

228 100

229 21.7 15.8 23.6

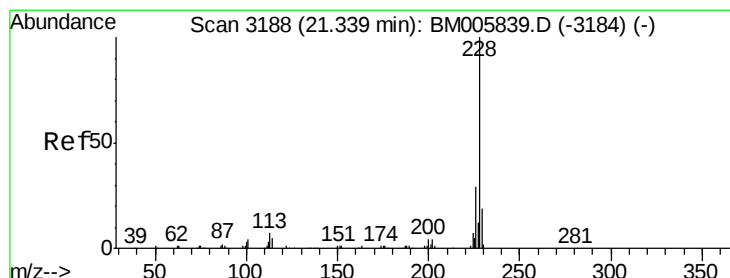
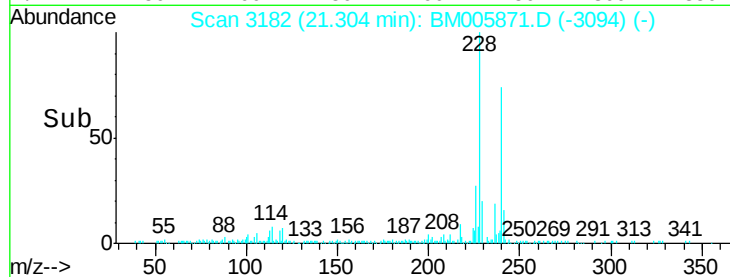
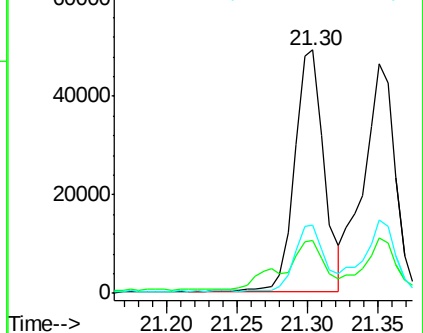
226 27.9 21.8 32.6



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: 8.05 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. -0.03 min

Lab File: BM005871.D

Acq: 17 Jun 2016 21:11

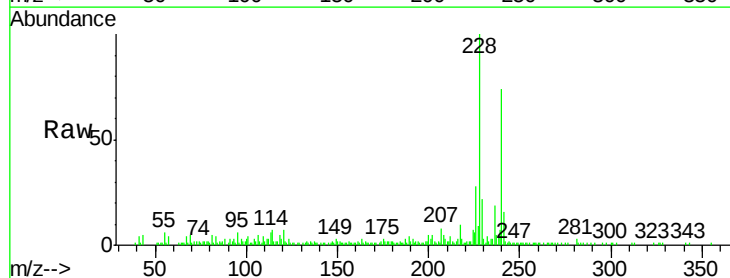
Tgt Ion:228 Resp: 70794

Ion Ratio Lower Upper

228 100

226 27.9 23.5 35.3

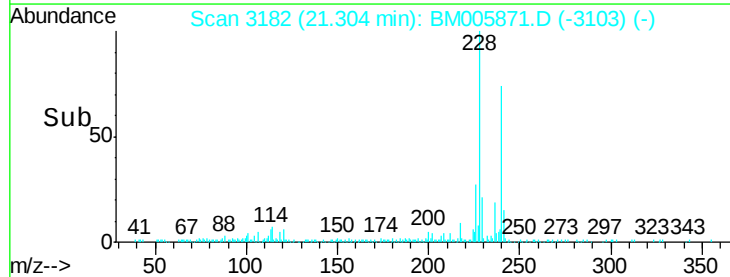
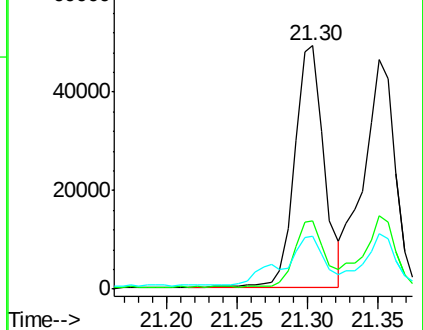
229 21.7 15.4 23.0

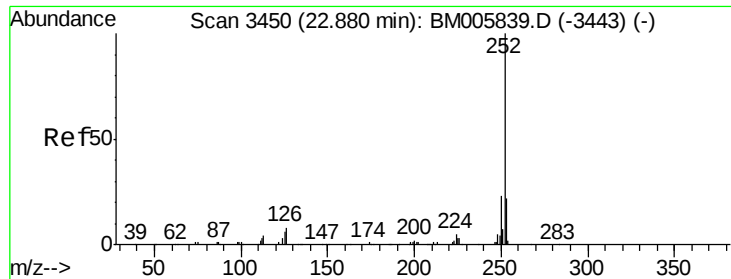


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 13.42 ng/ul

RT: 22.90 min Scan# 3454

Delta R.T. 0.02 min

Lab File: BM005871.D

Acq: 17 Jun 2016 21:11

Instrument :

BNA_M

ClientSampleId :

D9Y11

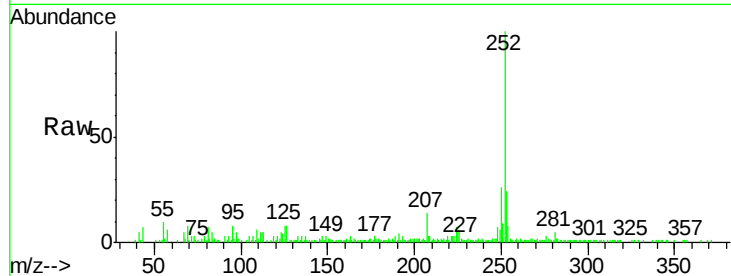
Tgt Ion:252 Resp: 114671

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

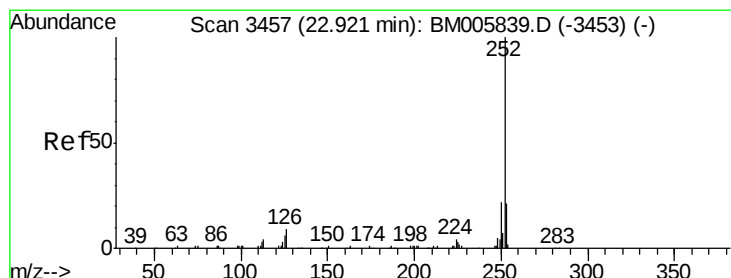
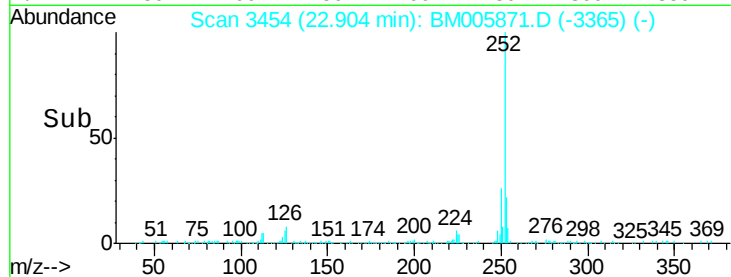
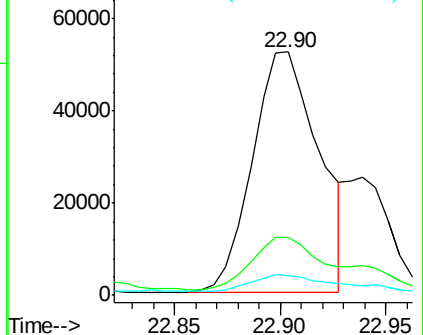
125 7.8 4.9 7.3#



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: 13.90 ng/ul

RT: 22.90 min Scan# 3454

Delta R.T. -0.02 min

Lab File: BM005871.D

Acq: 17 Jun 2016 21:11

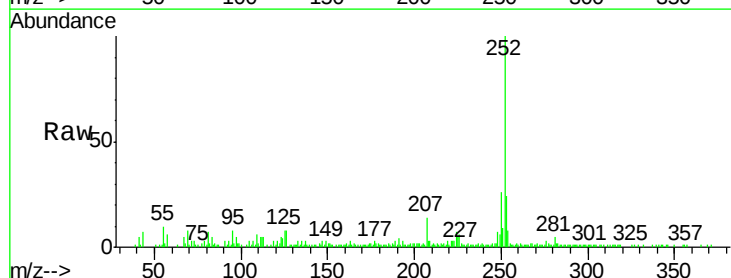
Tgt Ion:252 Resp: 114671

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

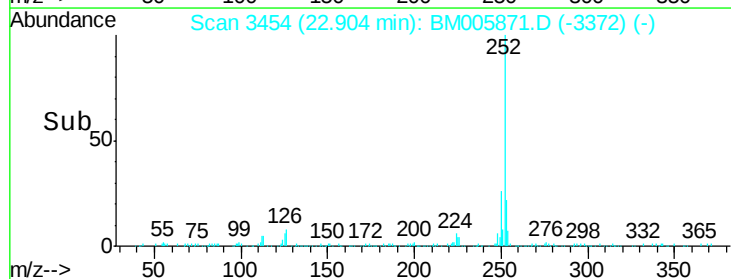
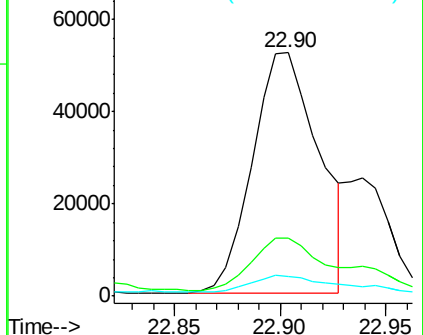
125 7.8 4.8 7.2#

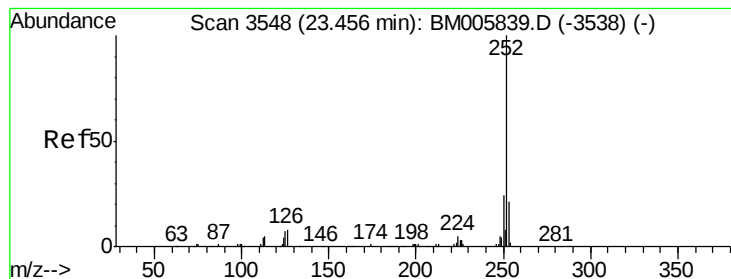


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 8.79 ng/ul

RT: 23.48 min Scan# 3552

Delta R.T. 0.02 min

Lab File: BM005871.D

Acq: 17 Jun 2016 21:11

Instrument :

BNA_M

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D9Y11

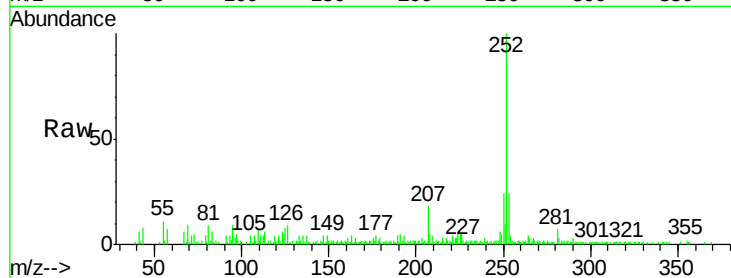
Tgt Ion:252 Resp: 73723

Ion Ratio Lower Upper

252 100

253 24.2 18.0 27.0

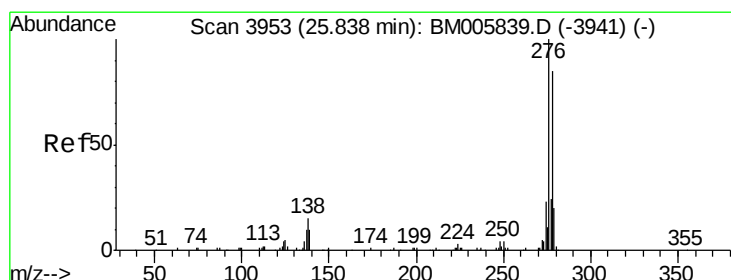
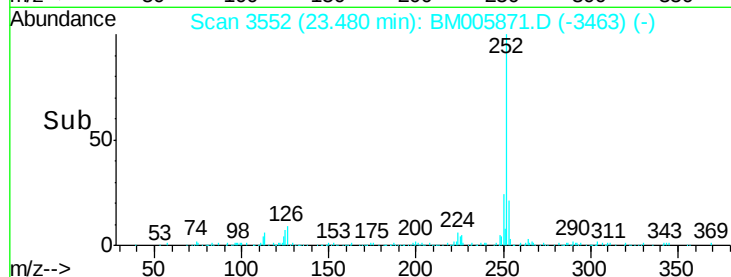
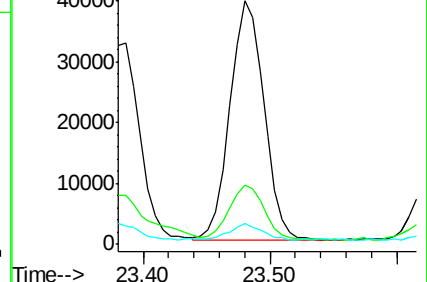
125 8.4 5.1 7.7#



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: 5.67 ng/ul

RT: 25.87 min Scan# 3959

Delta R.T. 0.04 min

Lab File: BM005871.D

Acq: 17 Jun 2016 21:11

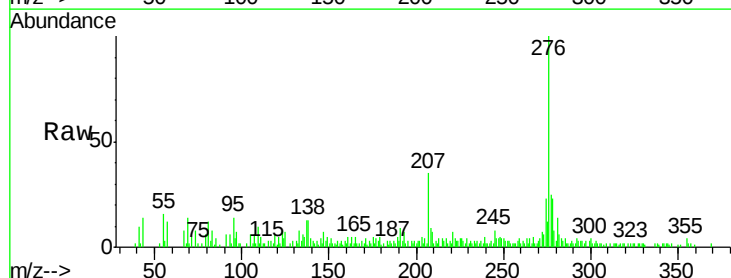
Tgt Ion:276 Resp: 58126

Ion Ratio Lower Upper

276 100

138 12.9 11.9 17.9

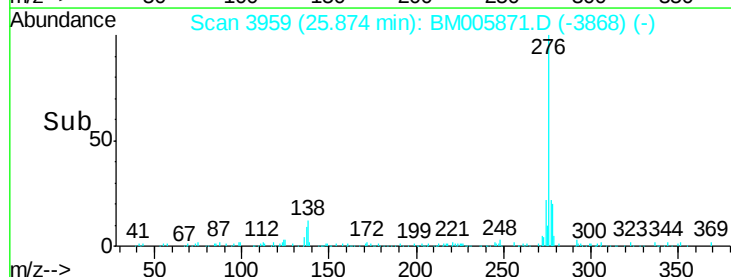
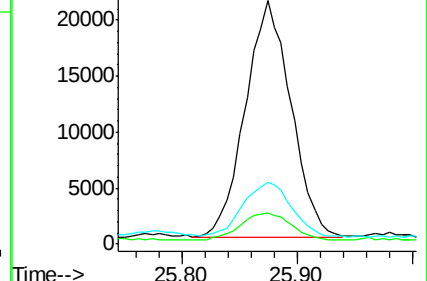
277 25.5 21.0 31.6

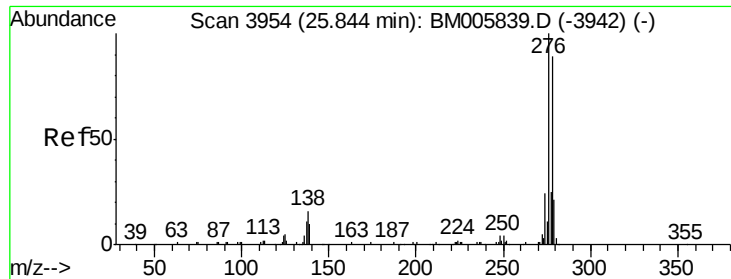


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 1.90 ng/ul

RT: 25.87 min Scan# 3958

Delta R.T. 0.02 min

Lab File: BM005871.D

Acq: 17 Jun 2016 21:11

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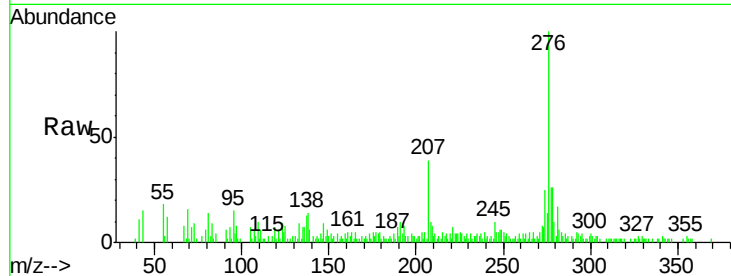
Tgt Ion:278 Resp: 16007

Ion Ratio Lower Upper

278 100

139 22.8 8.2 12.4#

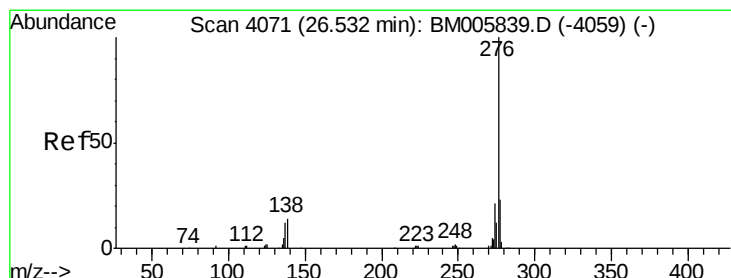
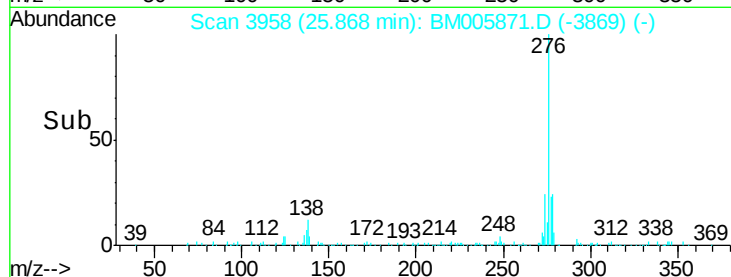
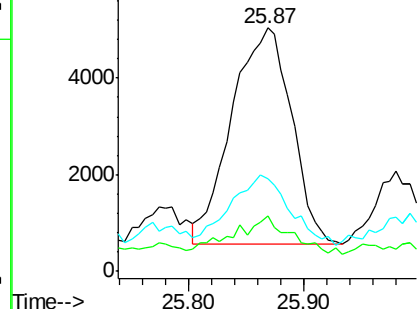
279 37.9 18.6 27.8#



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: 6.76 ng/ul

RT: 26.59 min Scan# 4080

Delta R.T. 0.05 min

Lab File: BM005871.D

Acq: 17 Jun 2016 21:11

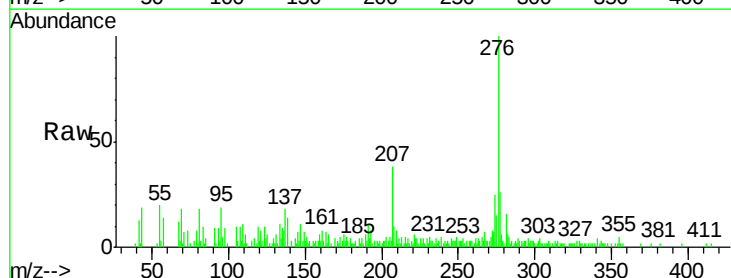
Tgt Ion:276 Resp: 58997

Ion Ratio Lower Upper

276 100

138 14.3 10.6 15.8

277 26.2 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

