

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061516\
 Data File : BM005803.D
 Acq On : 15 Jun 2016 02:19
 Operator : UM/SJ
 Sample : H3565-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y04

Quant Time: Jun 15 05:52:53 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 15 01:42:36 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	94275	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	483139	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	274955	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	498799	20.00	ng/ul	0.00
29) Chrysene-d12	21.31	240	425804	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	452871	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	3185	1.56	ng/uL	0.00
3) Phenol-d5	6.92	99	116447	15.04	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	89668	19.46	ng/ul	0.00
5) 2-Chlorophenol-d4	7.27	132	118719	18.40	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	74572	11.40	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	61449	17.96	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	71113	18.71	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	127875	17.58	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	119443	14.94	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	425077	19.48	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	534901	19.29	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	23443	9.34	ng/ul	0.01
21) Fluorene-d10	15.38	176	351438	19.33	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	28201	12.64	ng/ul	0.00
26) Anthracene-d10	17.23	188	440703	19.05	ng/ul	0.00
30) Pyrene-d10	19.53	212	395548	19.09	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	402366	19.23	ng/ul	0.00

Target Compounds

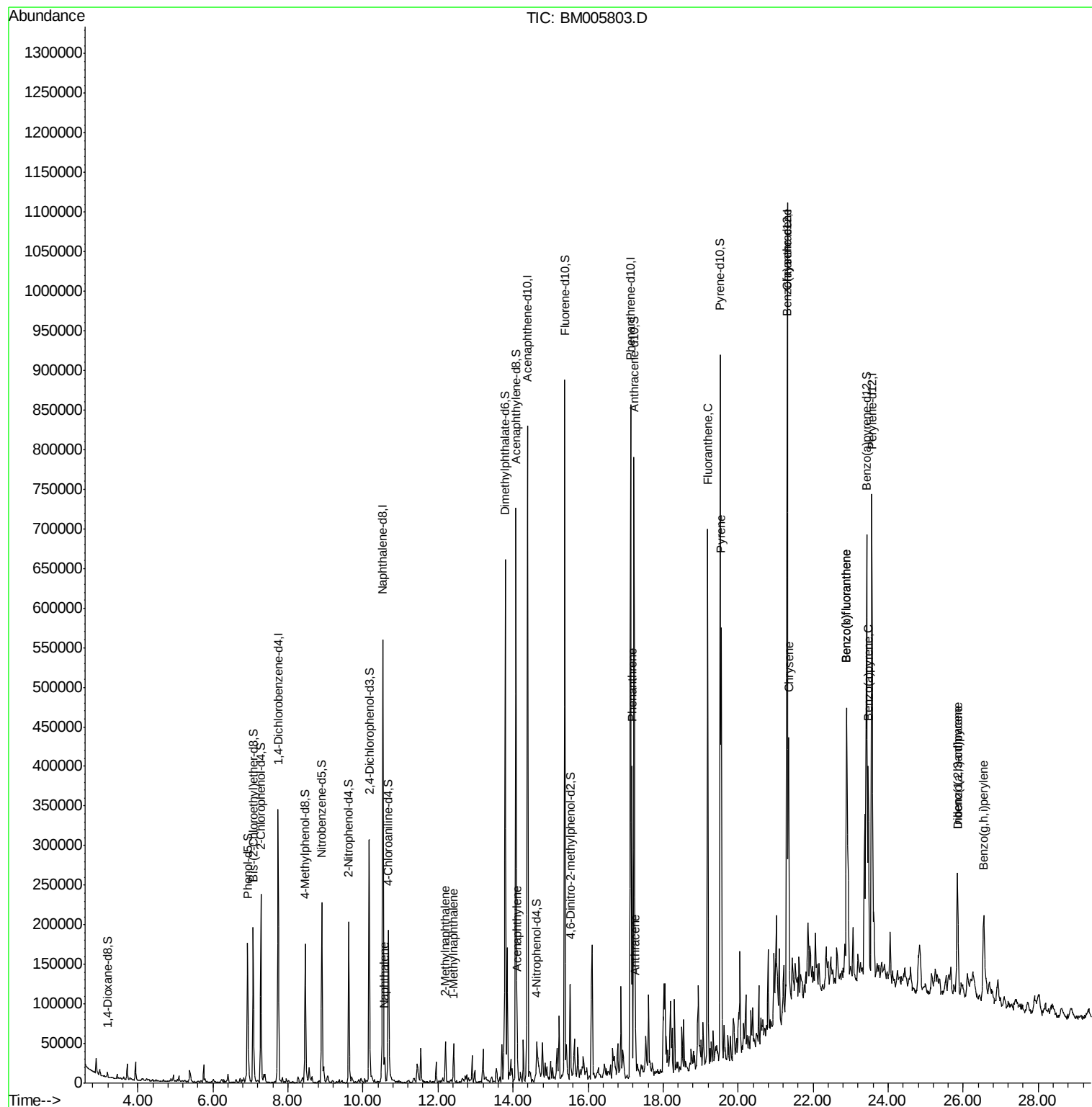
						Qvalue
11) Naphthalene	10.58	128	30890	1.28	ng/ul	99
13) 2-Methylnaphthalene	12.20	142	27787	1.60	ng/ul	100
14) 1-Methylnaphthalene	12.42	142	25514	1.46	ng/ul	96
18) Acenaphthylene	14.11	152	34628	1.24	ng/ul#	95
25) Phenanthrene	17.17	178	231963	8.48	ng/ul	100
27) Anthracene	17.26	178	41222	1.52	ng/ul	100
28) Fluoranthene	19.19	202	409910	14.08	ng/ul	100
31) Pyrene	19.55	202	339043	12.96	ng/ul	99
32) Benzo(a)anthracene	21.30	228	173807	7.06	ng/ul	96
33) Chrysene	21.35	228	196186	8.13	ng/ul	97
35) Benzo(b)fluoranthene	22.89	252	300179	11.10	ng/ul	98
36) Benzo(k)fluoranthene	22.89	252	300179	11.98	ng/ul	99
38) Benzo(a)pyrene	23.47	252	185627	7.18	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.84	276	145062	4.89	ng/ul	95
40) Dibenzo(a,h)anthracene	25.84	278	39073	1.58	ng/ul#	74
41) Benzo(g,h,i)perylene	26.55	276	130113	5.07	ng/ul	98

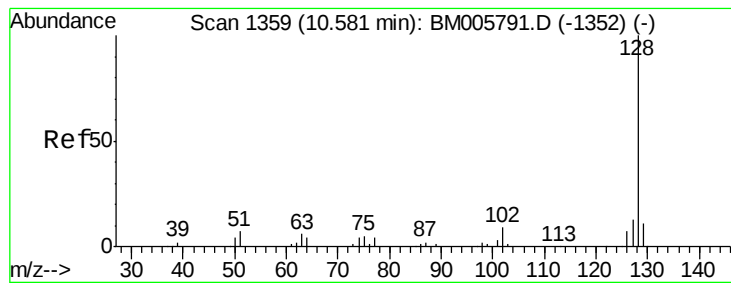
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

Naphthalene

Concen: 1.28 ng/ul

RT: 10.58 min Scan# 1359

Delta R.T. -0.00 min

Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

Instrument :

BNA_M

ClientSampleId :

D9Y04

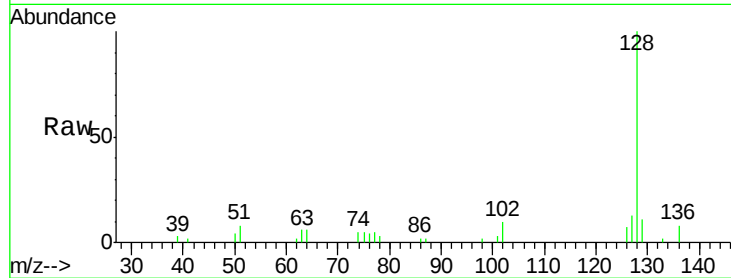
Tgt Ion:128 Resp: 30890

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

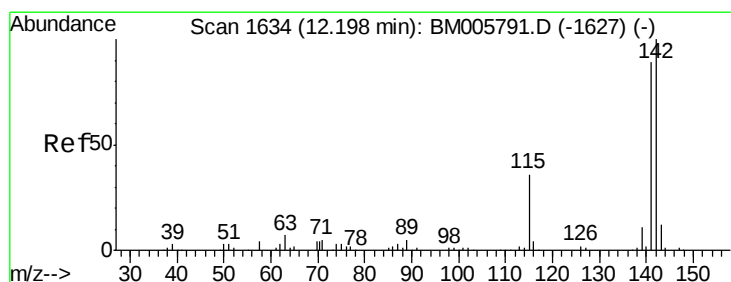
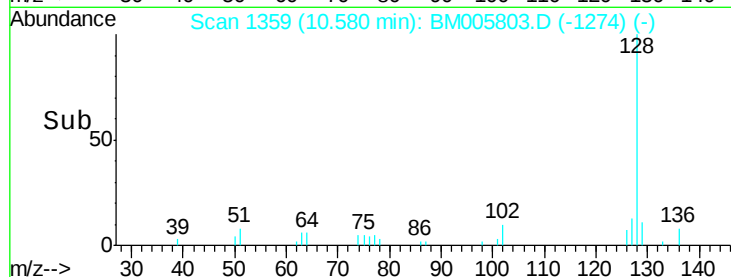
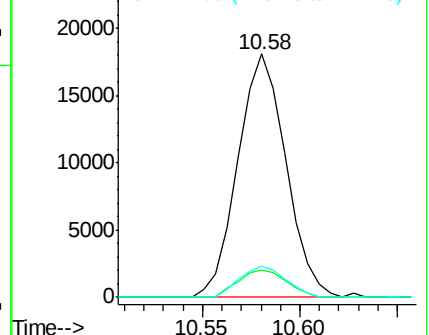
127 12.7 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#13

2-Methylnaphthalene

Concen: 1.60 ng/ul

RT: 12.20 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BM005803.D

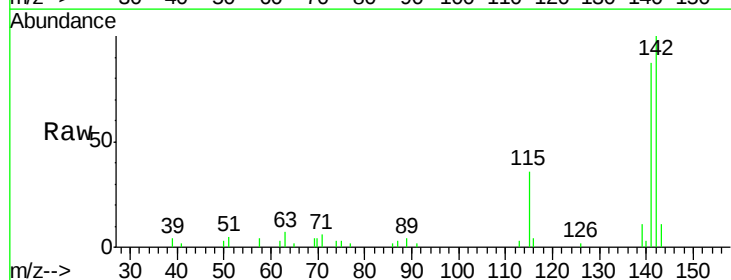
Acq: 15 Jun 2016 02:19

Tgt Ion:142 Resp: 27787

Ion Ratio Lower Upper

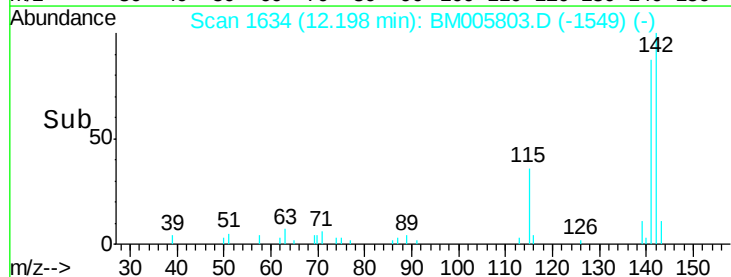
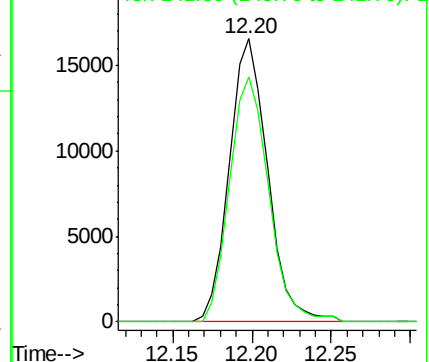
142 100

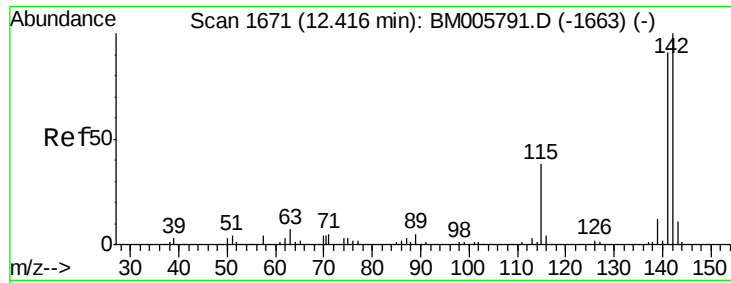
141 86.8 69.0 103.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

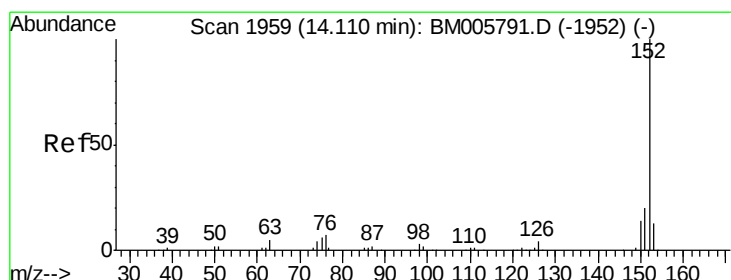
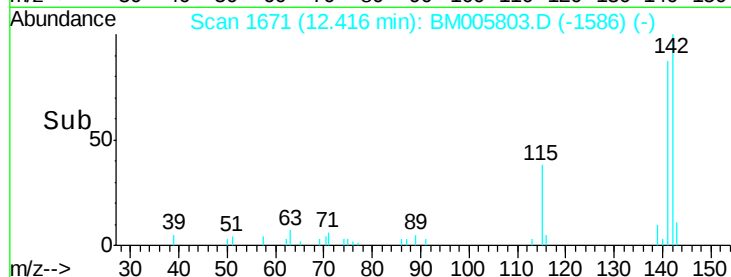
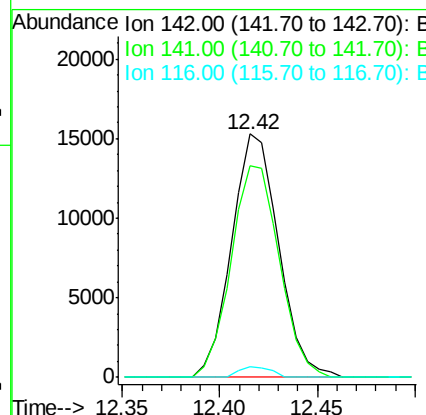
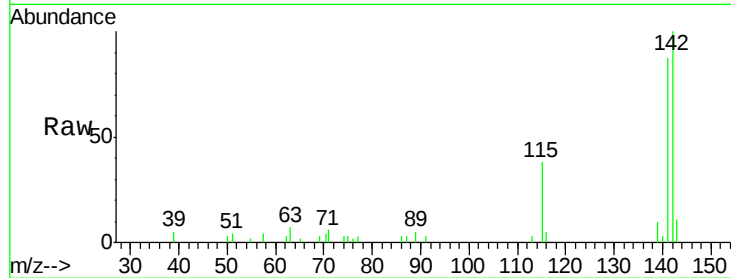




#14
 1-Methylnaphthalene
 Concen: 1.46 ng/ul
 RT: 12.42 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: BM005803.D
 Acq: 15 Jun 2016 02:19

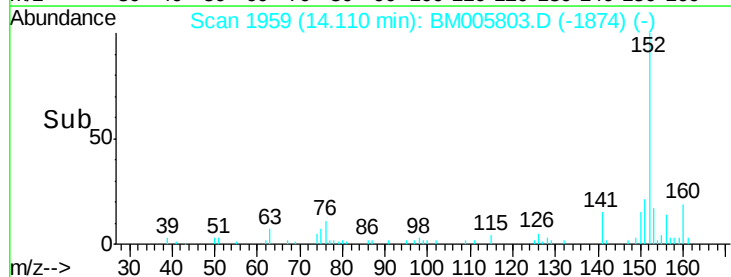
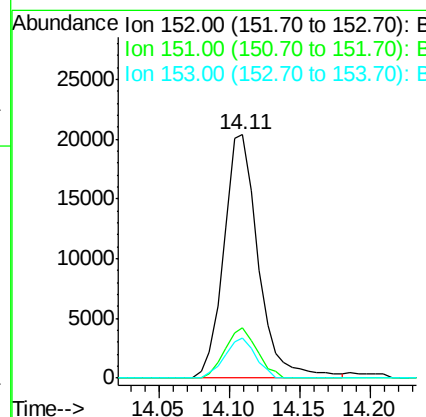
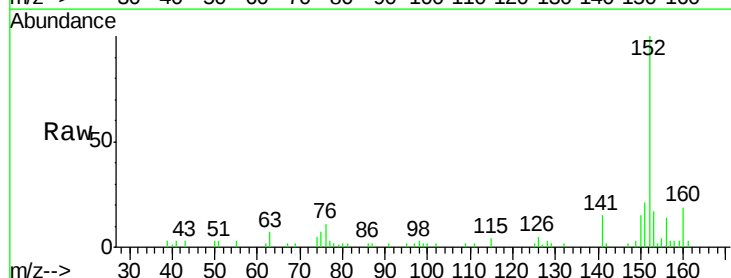
Instrument :
 BNA_M
 ClientSampleId :
 D9Y04

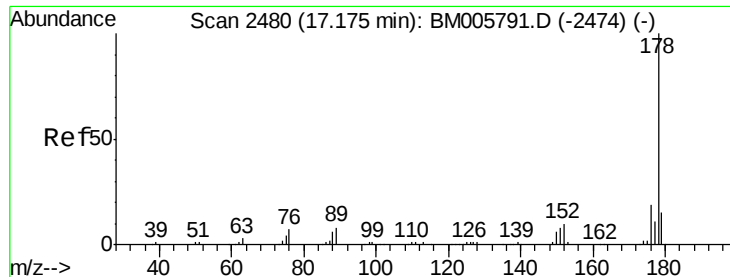
Tgt Ion:142 Resp: 25514
 Ion Ratio Lower Upper
 142 100
 141 87.1 73.0 109.4
 116 4.6 3.0 4.6



#18
 Acenaphthylene
 Concen: 1.24 ng/ul
 RT: 14.11 min Scan# 1959
 Delta R.T. -0.00 min
 Lab File: BM005803.D
 Acq: 15 Jun 2016 02:19

Tgt Ion:152 Resp: 34628
 Ion Ratio Lower Upper
 152 100
 151 20.7 15.8 23.6
 153 16.6 10.3 15.5#





#25

Phenanthrene

Concen: 8.48 ng/ul

RT: 17.17 min Scan# 2480

Delta R.T. -0.00 min

Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

Instrument :

BNA_M

ClientSampleId :

D9Y04

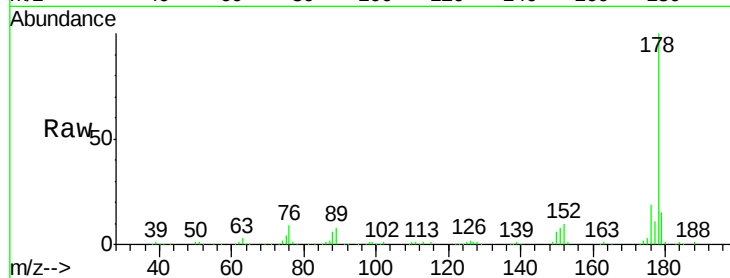
Tgt Ion:178 Resp: 231963

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.2

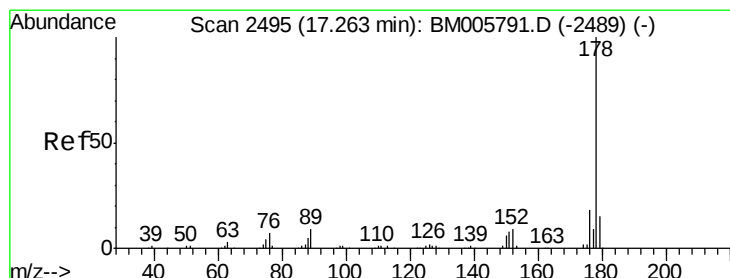
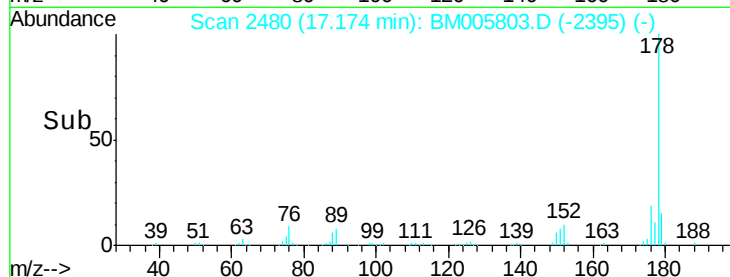
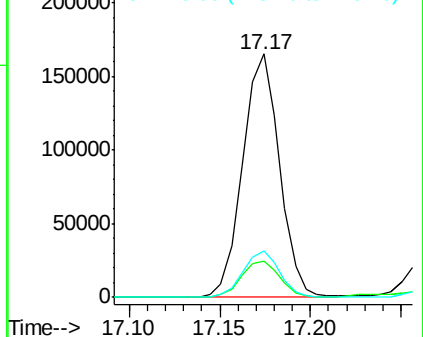
176 19.0 15.3 22.9



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



#27

Anthracene

Concen: 1.52 ng/ul

RT: 17.26 min Scan# 2495

Delta R.T. -0.00 min

Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

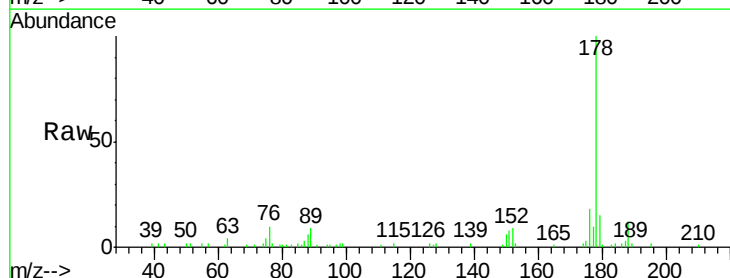
Tgt Ion:178 Resp: 41222

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

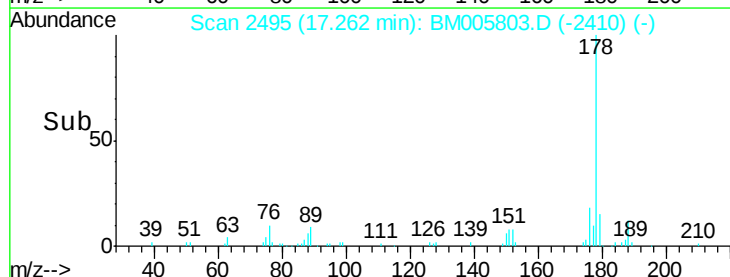
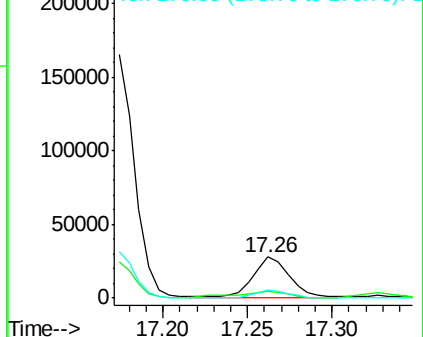
176 18.4 14.6 22.0

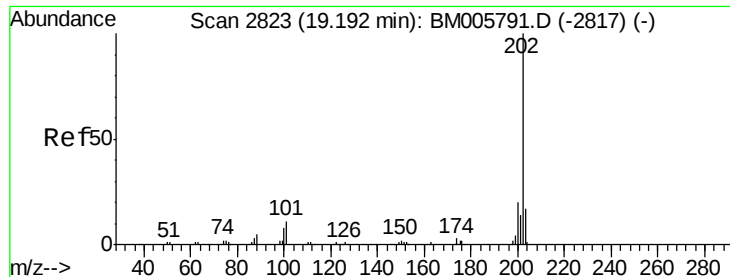


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 14.08 ng/ul

RT: 19.19 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

Instrument :

BNA_M

ClientSampleId :

D9Y04

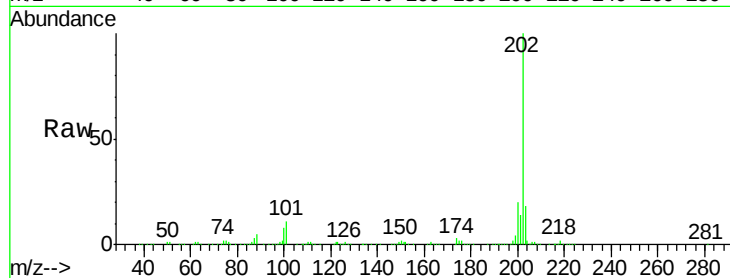
Tgt Ion:202 Resp: 409910

Ion Ratio Lower Upper

202 100

101 10.7 8.5 12.7

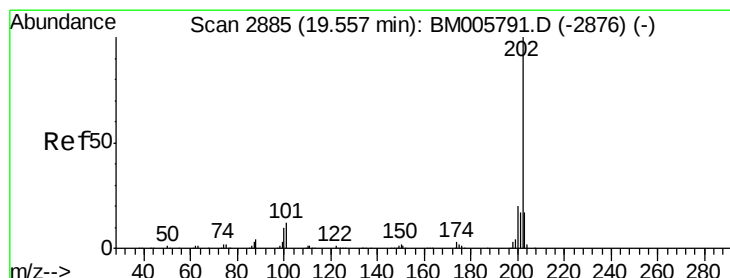
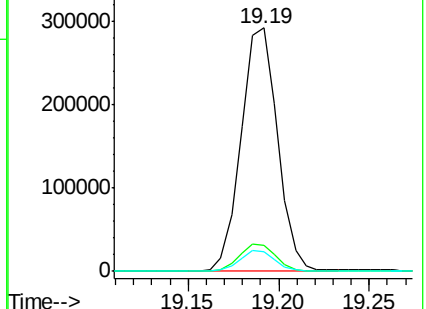
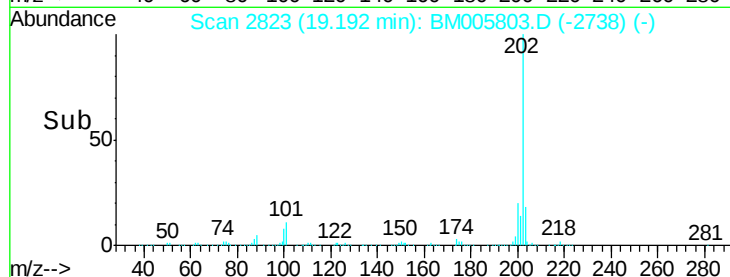
100 7.9 6.5 9.7



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: 12.96 ng/ul

RT: 19.55 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

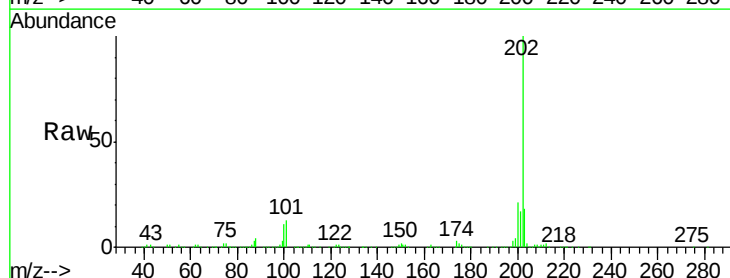
Tgt Ion:202 Resp: 339043

Ion Ratio Lower Upper

202 100

101 13.1 11.0 16.4

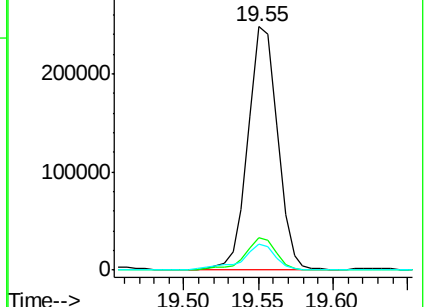
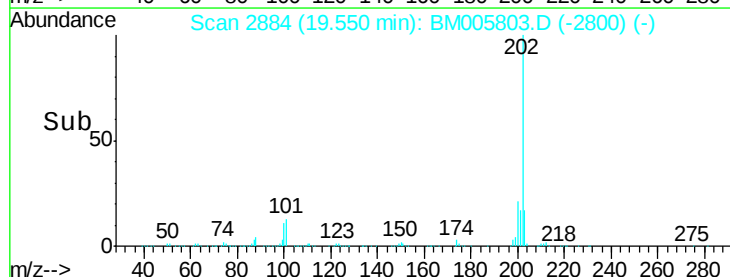
100 10.8 8.9 13.3

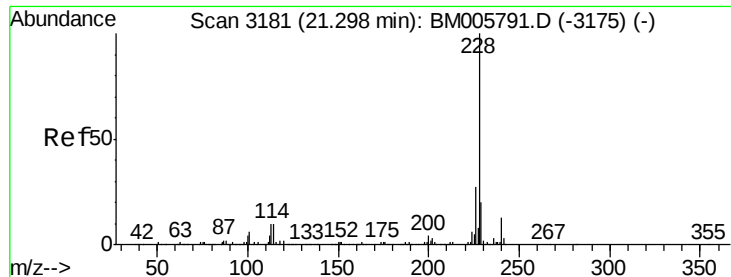


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 7.06 ng/ul

RT: 21.30 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

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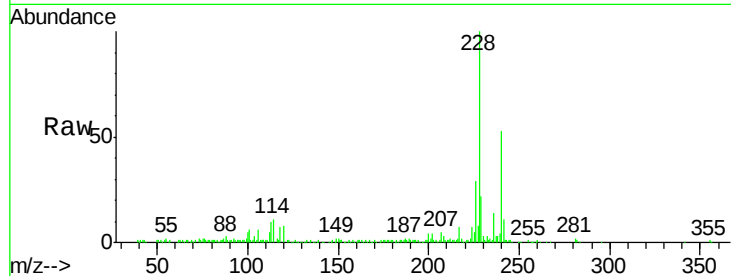
Tgt Ion:228 Resp: 173807

Ion Ratio Lower Upper

228 100

229 21.5 15.6 23.4

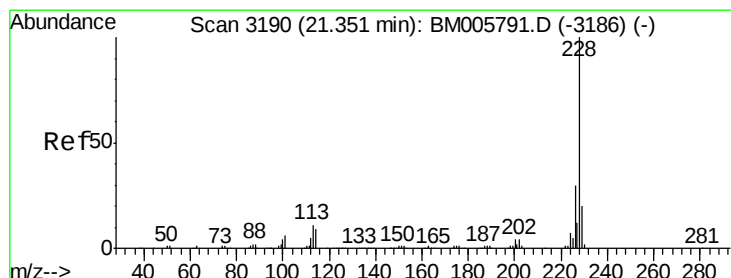
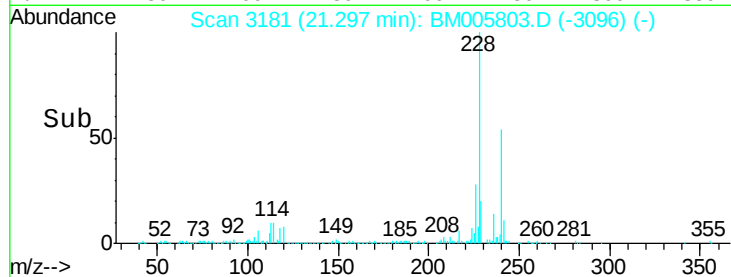
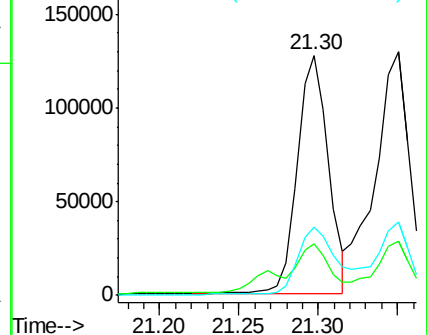
226 28.5 21.6 32.4



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: 8.13 ng/ul

RT: 21.35 min Scan# 3190

Delta R.T. -0.00 min

Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

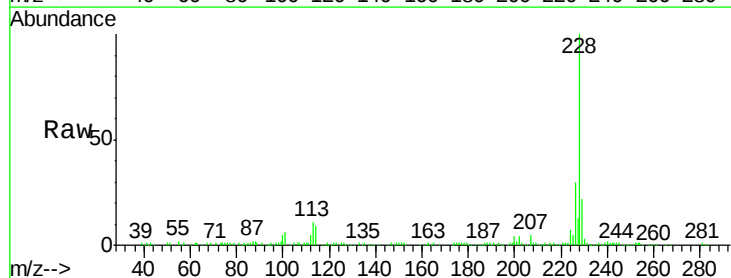
Tgt Ion:228 Resp: 196186

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.6

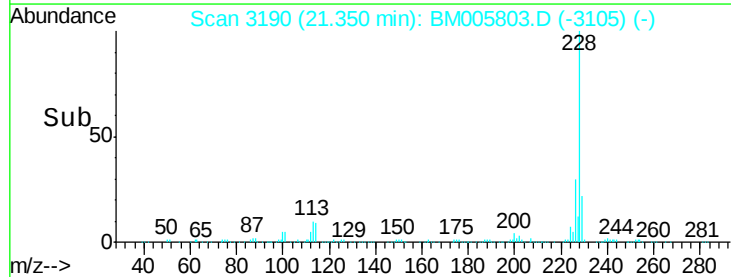
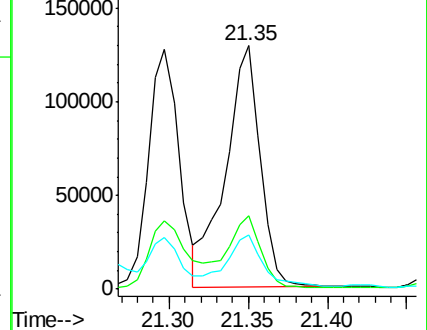
229 22.4 15.8 23.6

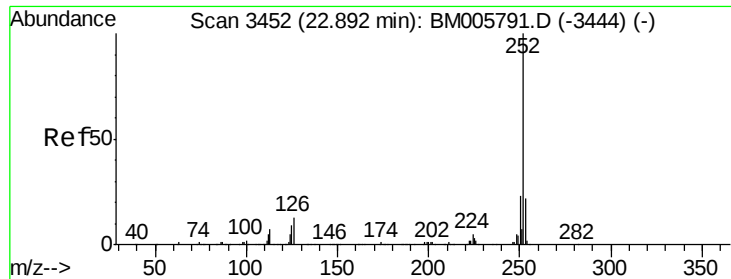


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 11.10 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. -0.00 min

Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

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D9Y04

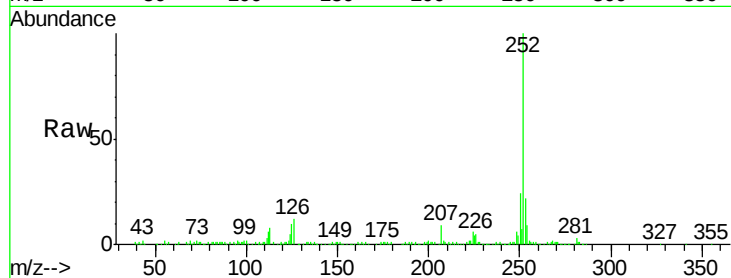
Tgt Ion:252 Resp: 300179

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

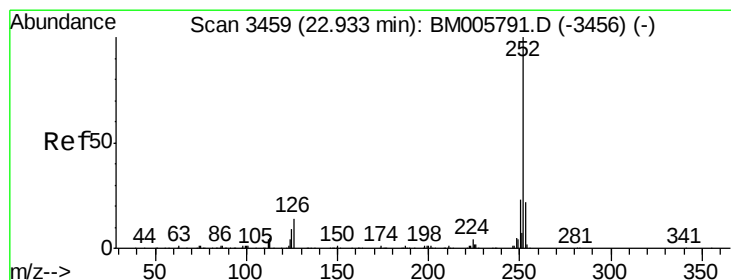
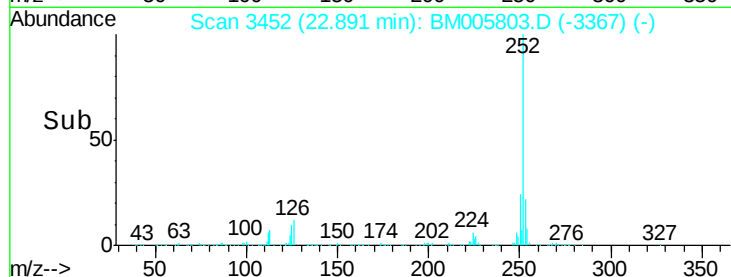
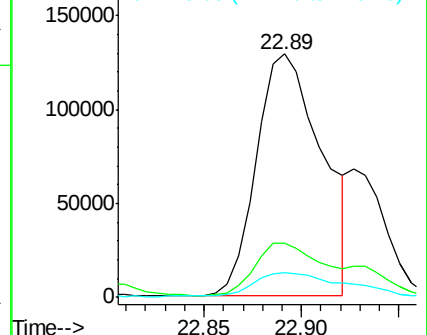
125 10.3 7.8 11.6



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: 11.98 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. -0.04 min

Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

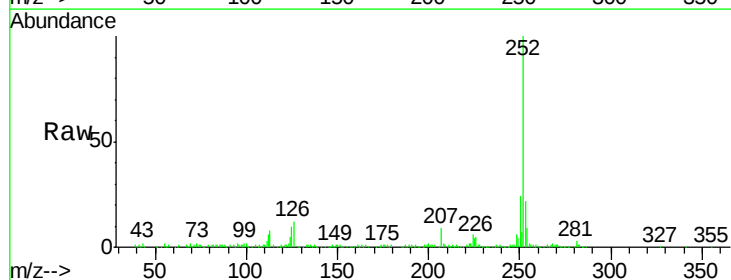
Tgt Ion:252 Resp: 300179

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

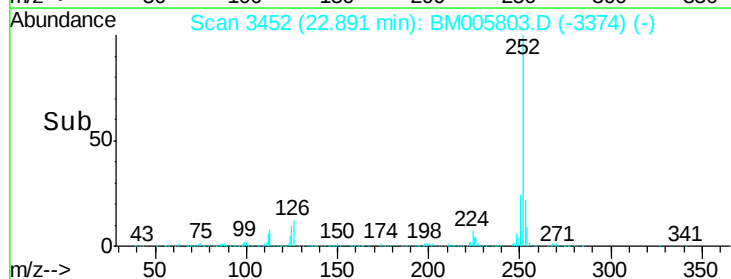
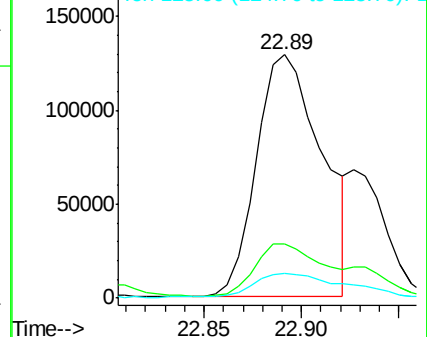
125 10.3 8.1 12.1

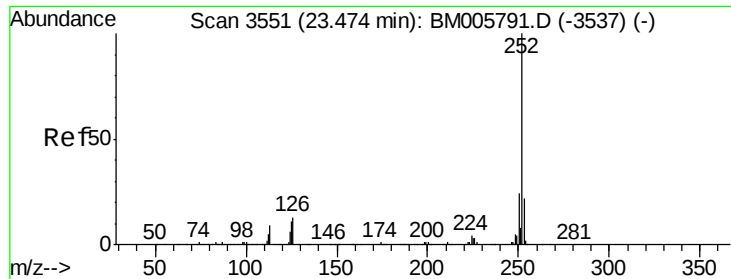


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 7.18 ng/ul

RT: 23.47 min Scan# 3550

Delta R.T. -0.01 min

Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

Instrument :

BNA_M

ClientSampleId :

D9Y04

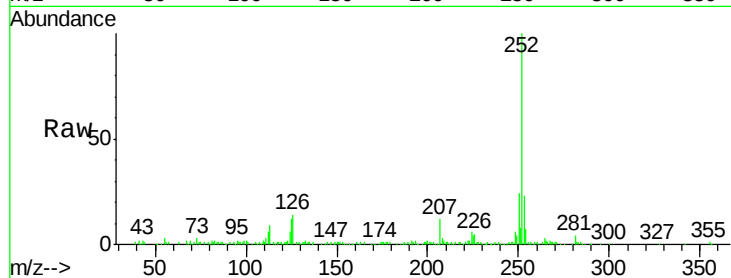
Tgt Ion:252 Resp: 185627

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

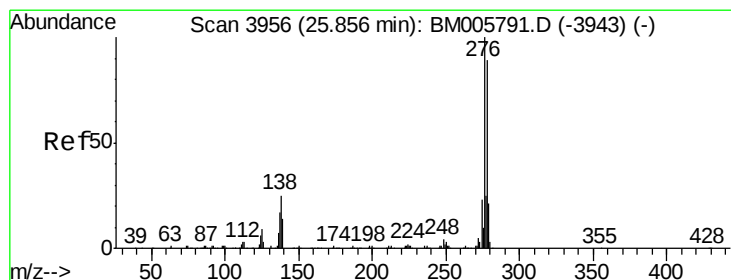
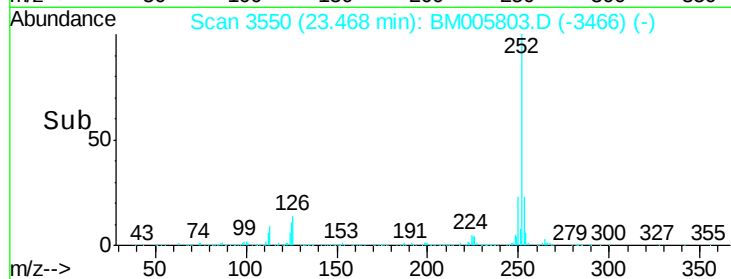
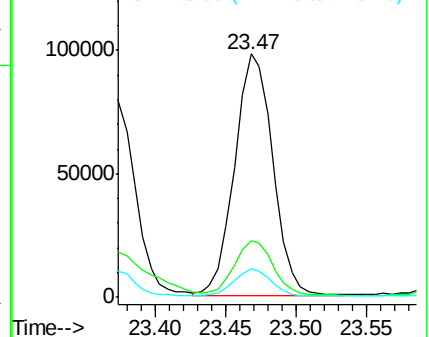
125 11.6 8.7 13.1



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 4.89 ng/ul

RT: 25.84 min Scan# 3954

Delta R.T. -0.01 min

Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

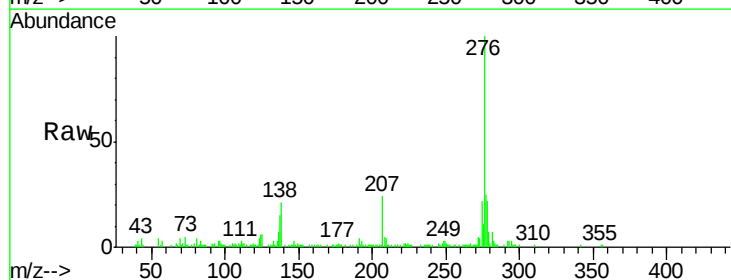
Tgt Ion:276 Resp: 145062

Ion Ratio Lower Upper

276 100

138 20.6 20.4 30.6

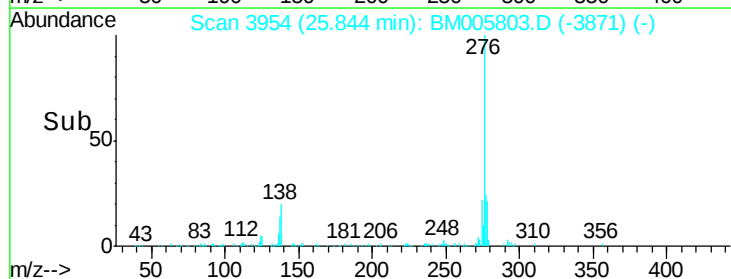
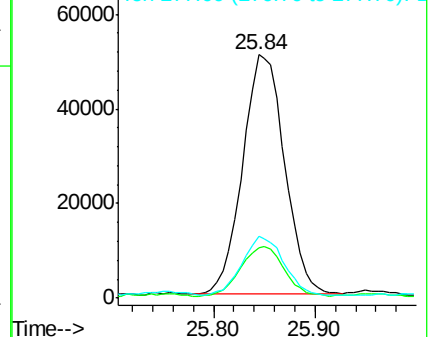
277 25.4 20.6 30.8

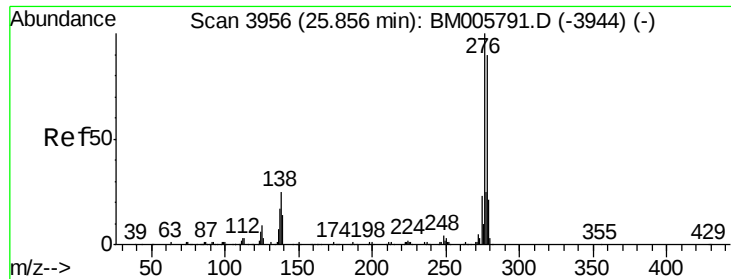


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 1.58 ng/ul

RT: 25.84 min Scan# 3954

Delta R.T. -0.01 min

Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

Instrument :

BNA_M

ClientSampleId :

D9Y04

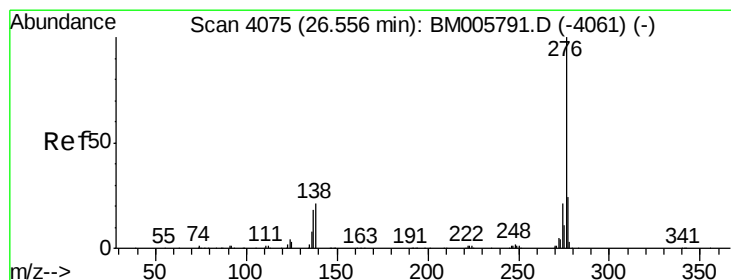
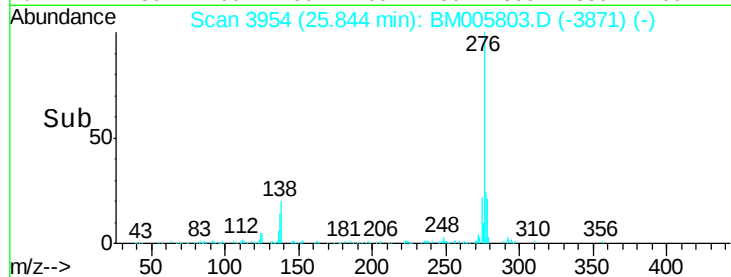
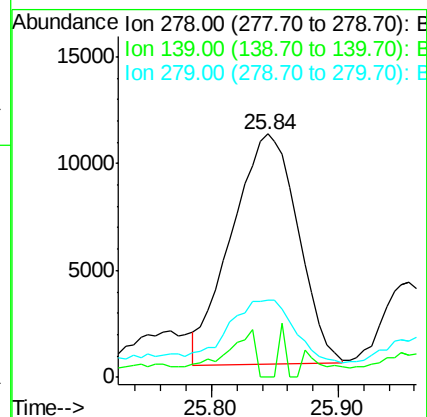
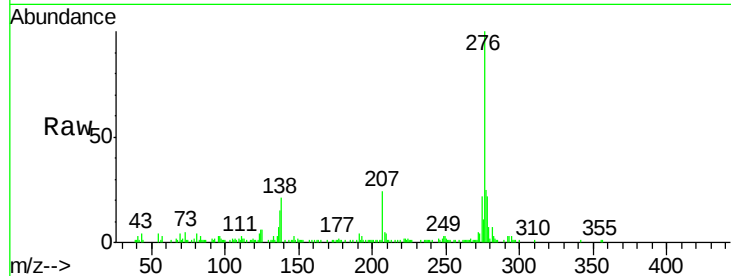
Tgt Ion:278 Resp: 39073

Ion Ratio Lower Upper

278 100

139 0.0 13.0 19.4#

279 31.8 18.8 28.2#



#41

Benzo(g,h,i)perylene

Concen: 5.07 ng/ul

RT: 26.55 min Scan# 4074

Delta R.T. -0.01 min

Lab File: BM005803.D

Acq: 15 Jun 2016 02:19

Tgt Ion:276 Resp: 130113

Ion Ratio Lower Upper

276 100

138 21.7 16.6 25.0

277 24.4 18.9 28.3

