

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061716\
 Data File : BM005836.D
 Acq On : 16 Jun 2016 19:26
 Operator : UM/SJ
 Sample : SSTD08049
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD08049

Quant Time: Jun 17 01:26:29 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 17 01:25:11 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	18325	20.00	ng/ul	0.00
7) Naphthalene-d8	10.52	136	85465	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.37	164	55658	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.12	188	138712	20.00	ng/ul	0.00
29) Chrysene-d12	21.31	240	180363	20.00	ng/ul	0.00
34) Perylene-d12	23.56	264	209850	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	11761	29.96	ng/uL	0.00
3) Phenol-d5	6.92	99	128254	86.16	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	62947	72.74	ng/ul	0.00
5) 2-Chlorophenol-d4	7.27	132	109029	86.99	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	113655	89.19	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	54524	90.17	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	66632	97.50	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.16	165	125900	95.00	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	83735	64.82	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	402425	88.35	ng/ul	0.00
17) Acenaphthylene-d8	14.07	160	470539	82.65	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	56892	106.24	ng/ul	0.00
21) Fluorene-d10	15.37	176	342166	89.02	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	80905	119.66	ng/ul	0.00
26) Anthracene-d10	17.23	188	547568	83.36	ng/ul	0.00
30) Pyrene-d10	19.52	212	652612	74.00	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	789018	80.15	ng/ul	0.01

Target Compounds

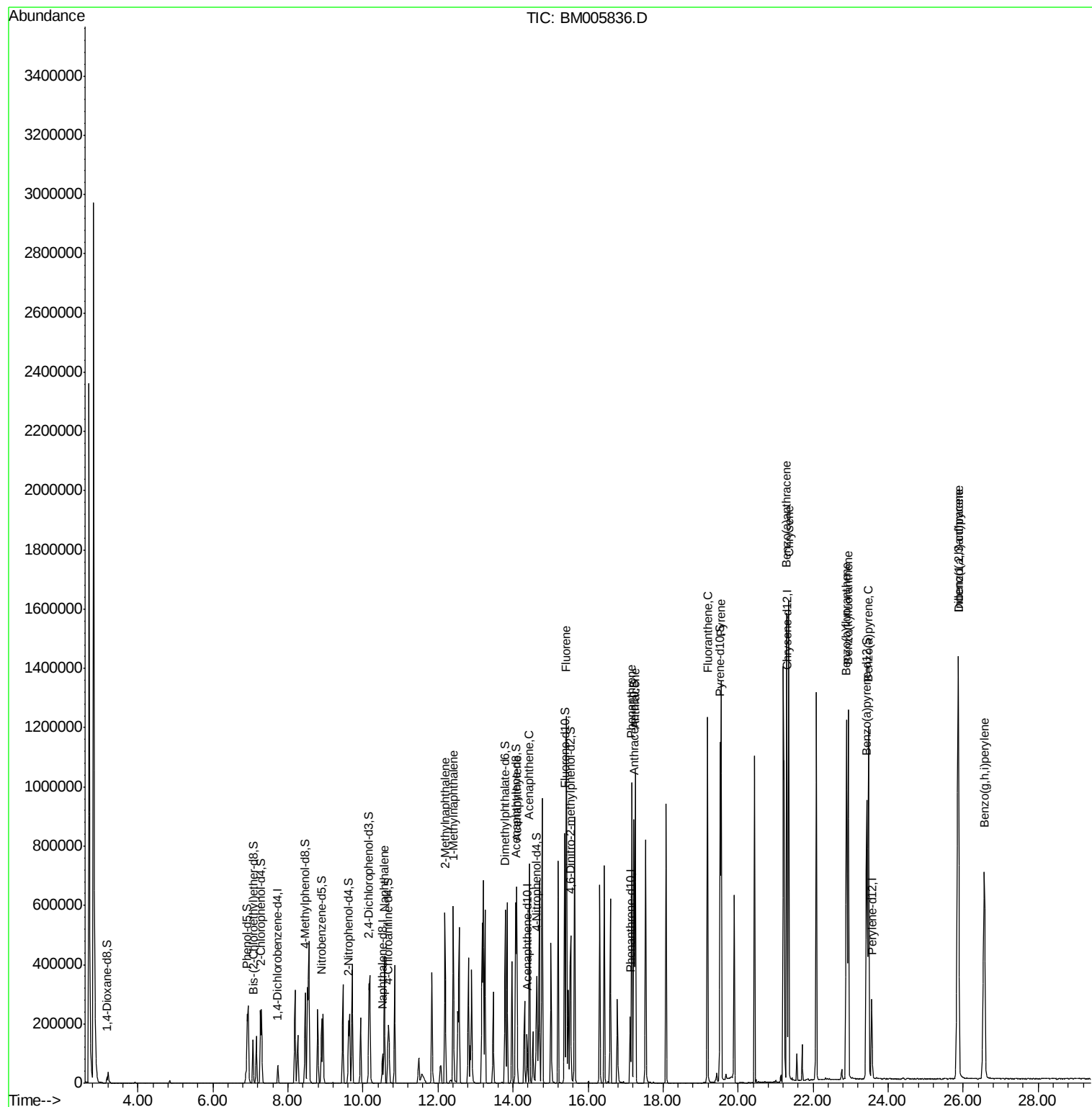
						Qvalue
11) Naphthalene	10.57	128	352275	81.49	ng/ul	100
13) 2-Methylnaphthalene	12.19	142	271850	86.19	ng/ul	100
14) 1-Methylnaphthalene	12.41	142	272563	84.77	ng/ul	99
18) Acenaphthylene	14.10	152	472963	82.49	ng/ul	100
19) Acenaphthene	14.44	153	316796	83.90	ng/ul	100
22) Fluorene	15.43	166	374772	89.48	ng/ul	99
25) Phenanthrene	17.17	178	625336	81.10	ng/ul	98
27) Anthracene	17.26	178	642465	83.70	ng/ul	99
28) Fluoranthene	19.19	202	790103	93.32	ng/ul	98
31) Pyrene	19.55	202	805360	72.66	ng/ul	99
32) Benzo(a)anthracene	21.30	228	865835	82.01	ng/ul	100
33) Chrysene	21.35	228	825849	79.53	ng/ul	98
35) Benzo(b)fluoranthene	22.89	252	970792	76.72	ng/ul	100
36) Benzo(k)fluoranthene	22.94	252	939234	79.65	ng/ul	100
38) Benzo(a)pyrene	23.47	252	960869	78.80	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.88	276	1211562	86.33	ng/ul	98
40) Dibenzo(a,h)anthracene	25.87	278	999994	85.29	ng/ul	99
41) Benzo(g,h,i)perylene	26.57	276	1024035	84.31	ng/ul	98

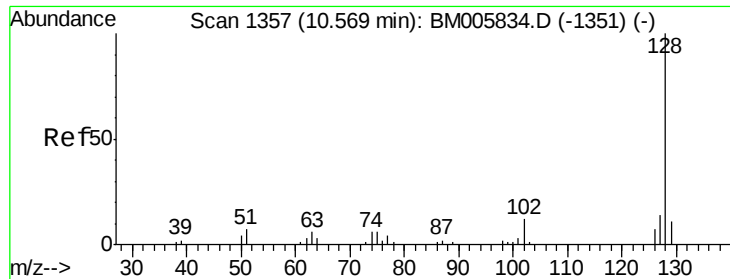
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

Naphthalene

Concen: 81.49 ng/ul

RT: 10.57 min Scan# 1357

Delta R.T. 0.00 min

Lab File: BM005836.D

Acq: 16 Jun 2016 19:26

Instrument :

BNA_M

ClientSampleId :

SSTD08049

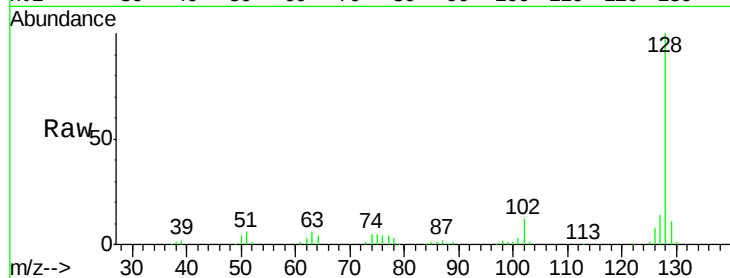
Tgt Ion:128 Resp: 352275

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.4

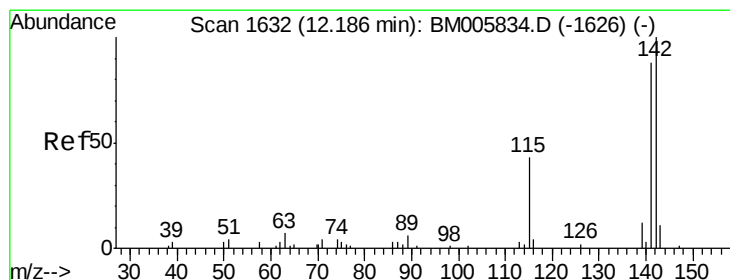
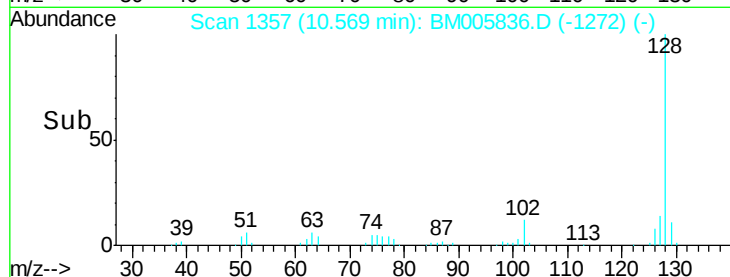
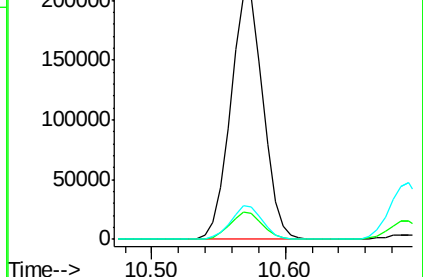
127 13.6 10.9 16.3



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: 86.19 ng/ul

RT: 12.19 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BM005836.D

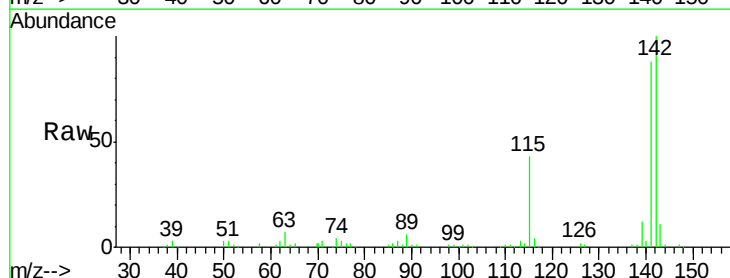
Acq: 16 Jun 2016 19:26

Tgt Ion:142 Resp: 271850

Ion Ratio Lower Upper

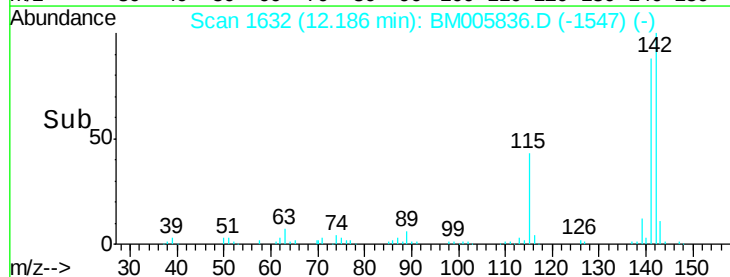
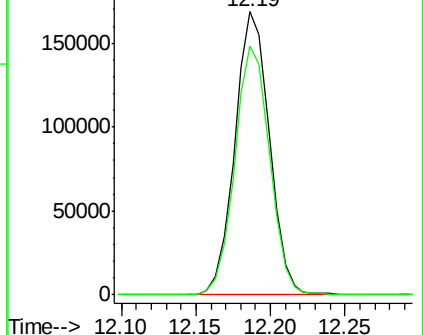
142 100

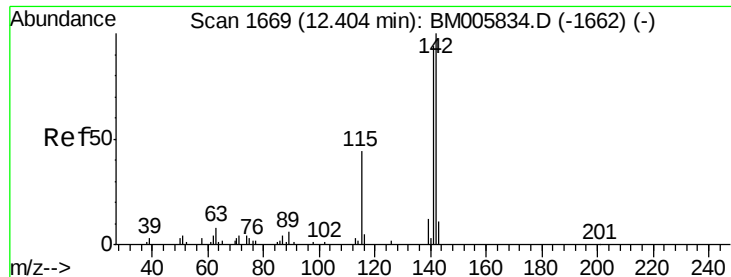
141 87.7 70.2 105.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

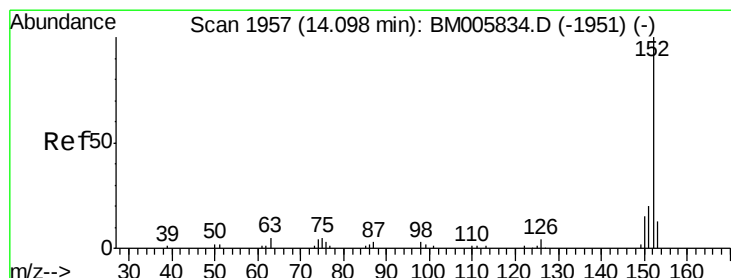
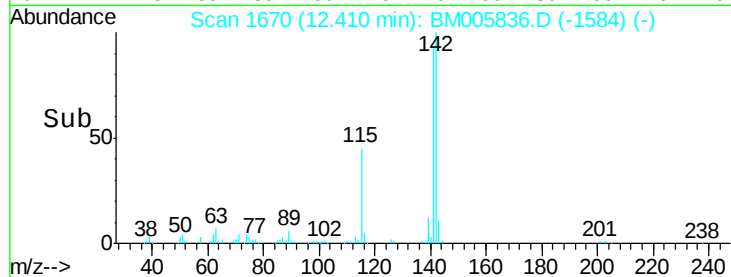
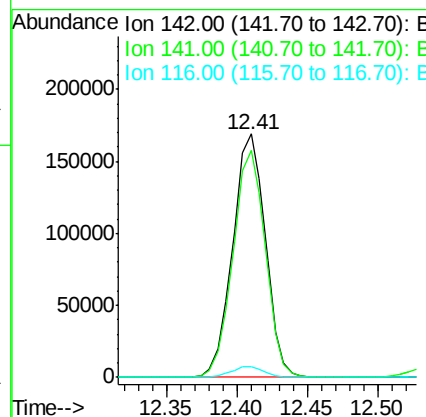
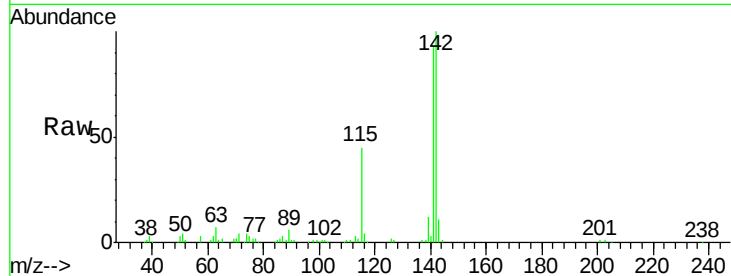




#14
1-Methylnaphthalene
Concen: 84.77 ng/ul
RT: 12.41 min Scan# 1670
Delta R.T. 0.01 min
Lab File: BM005836.D
Acq: 16 Jun 2016 19:26

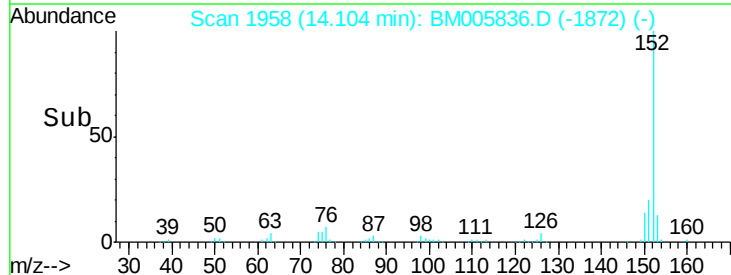
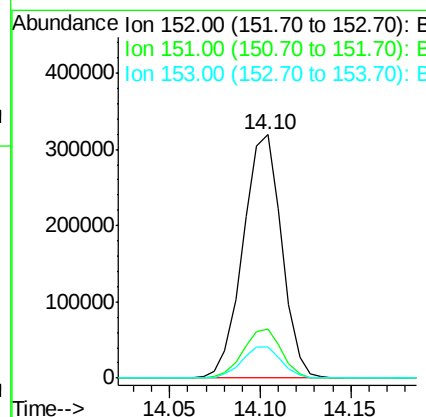
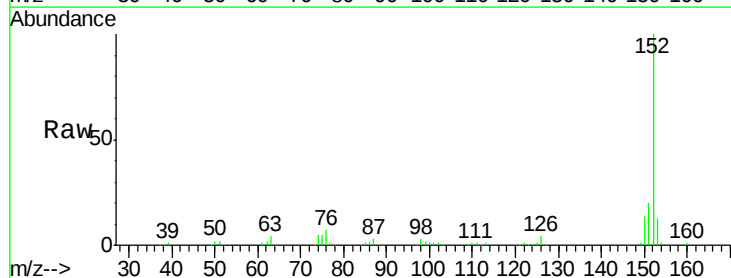
Instrument :
BNA_M
ClientSampleId :
SSTD08049

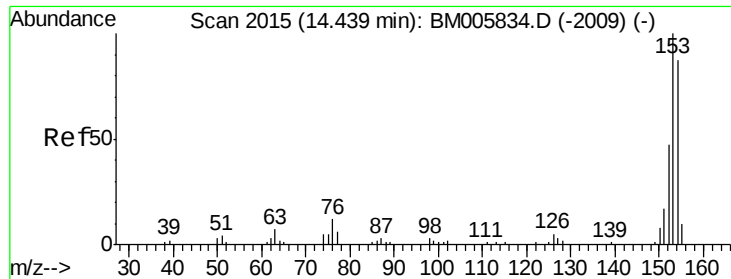
Tgt Ion:142 Resp: 272563
Ion Ratio Lower Upper
142 100
141 93.3 75.4 113.2
116 4.5 3.7 5.5



#18
Acenaphthylene
Concen: 82.49 ng/ul
RT: 14.10 min Scan# 1958
Delta R.T. 0.01 min
Lab File: BM005836.D
Acq: 16 Jun 2016 19:26

Tgt Ion:152 Resp: 472963
Ion Ratio Lower Upper
152 100
151 20.1 16.3 24.5
153 12.7 10.2 15.2





#19

Acenaphthene

Concen: 83.90 ng/ul

RT: 14.44 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BM005836.D

Acq: 16 Jun 2016 19:26

Instrument :

BNA_M

ClientSampleId :

SSTD08049

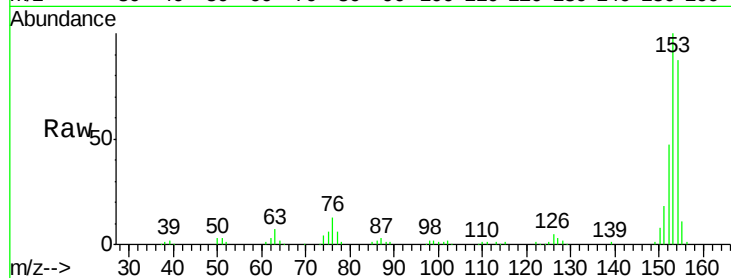
Tgt Ion:153 Resp: 316796

Ion Ratio Lower Upper

153 100

152 46.9 37.4 56.0

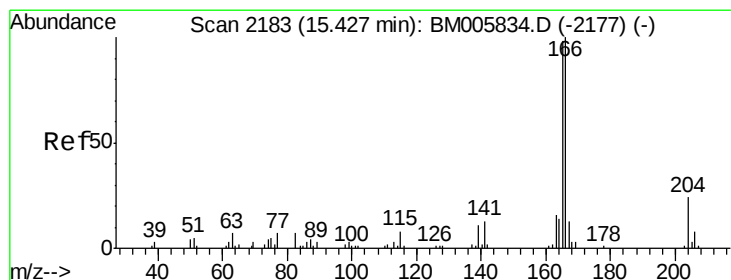
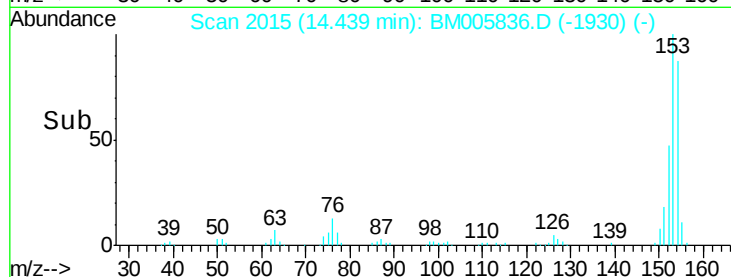
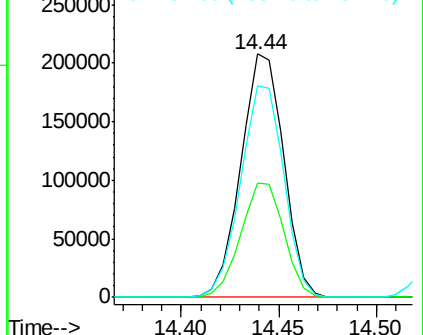
154 87.1 69.7 104.5



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#22

Fluorene

Concen: 89.48 ng/ul

RT: 15.43 min Scan# 2183

Delta R.T. 0.00 min

Lab File: BM005836.D

Acq: 16 Jun 2016 19:26

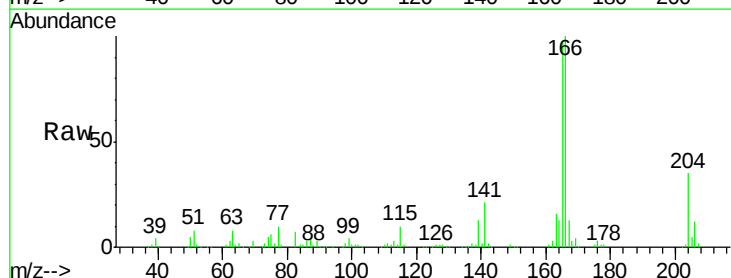
Tgt Ion:166 Resp: 374772

Ion Ratio Lower Upper

166 100

165 97.5 78.5 117.7

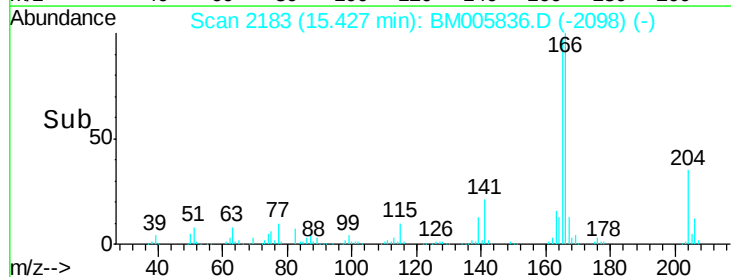
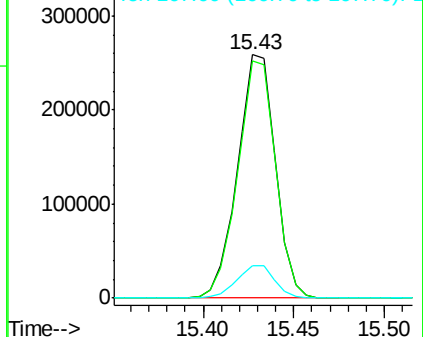
167 13.4 10.7 16.1

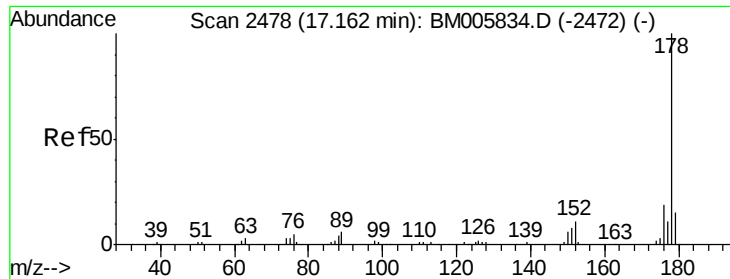


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

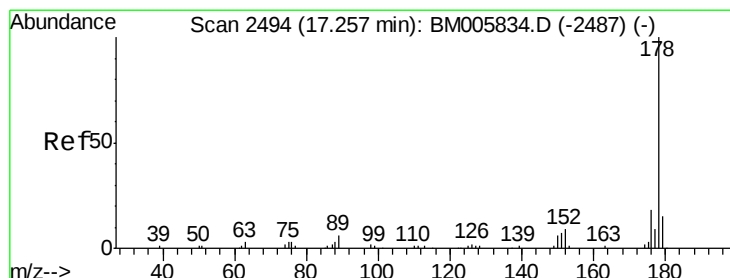
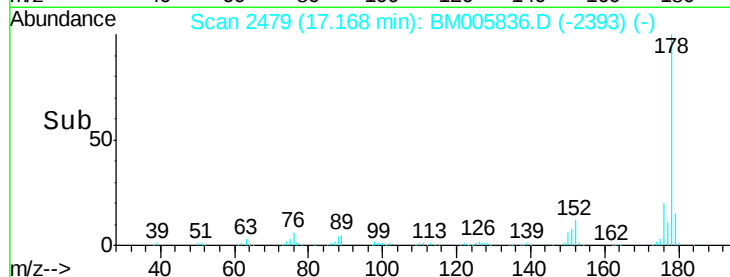
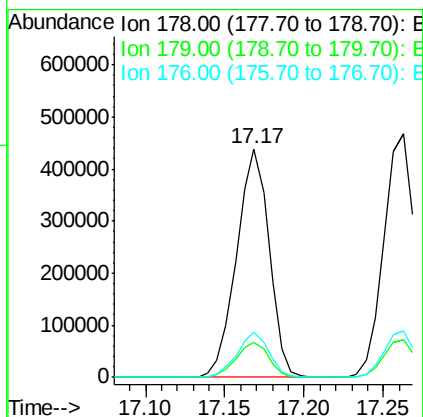
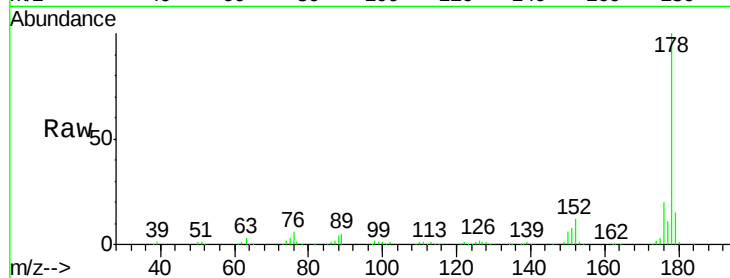




#25
Phenanthrene
Concen: 81.10 ng/ul
RT: 17.17 min Scan# 2479
Delta R.T. 0.01 min
Lab File: BM005836.D
Acq: 16 Jun 2016 19:26

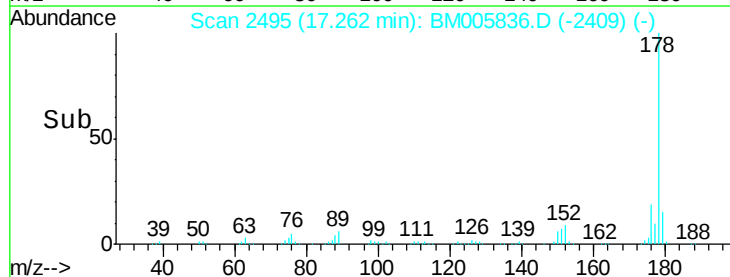
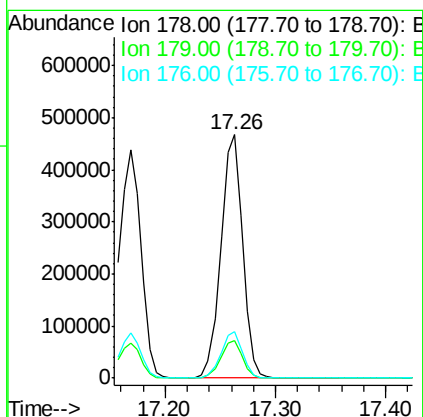
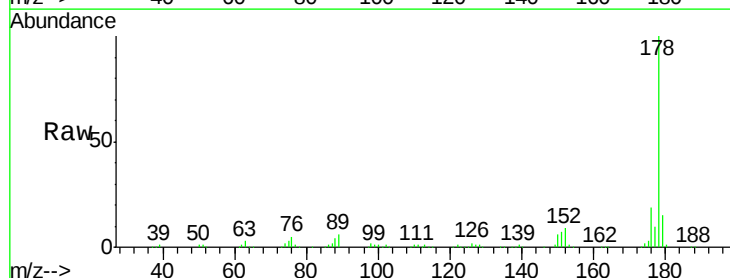
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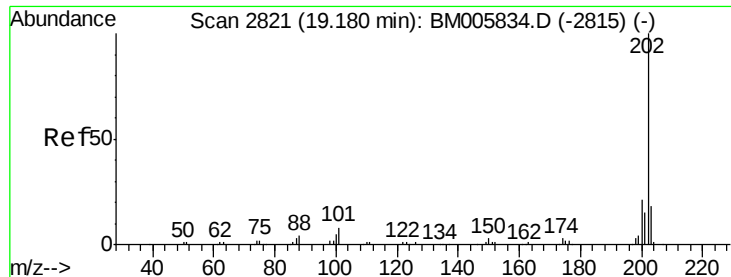
Tgt Ion:178 Resp: 625336
Ion Ratio Lower Upper
178 100
179 15.3 12.0 18.0
176 19.6 14.9 22.3



#27
Anthracene
Concen: 83.70 ng/ul
RT: 17.26 min Scan# 2495
Delta R.T. 0.01 min
Lab File: BM005836.D
Acq: 16 Jun 2016 19:26

Tgt Ion:178 Resp: 642465
Ion Ratio Lower Upper
178 100
179 15.2 11.9 17.9
176 18.9 14.8 22.2





#28

Fluoranthene

Concen: 93.32 ng/ul

RT: 19.19 min Scan# 2822

Delta R.T. 0.01 min

Lab File: BM005836.D

Acq: 16 Jun 2016 19:26

Instrument :

BNA_M

ClientSampleId :

SSTD08049

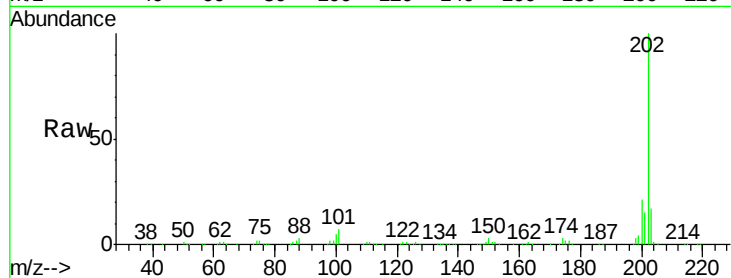
Tgt Ion:202 Resp: 790103

Ion Ratio Lower Upper

202 100

101 6.7 6.1 9.1

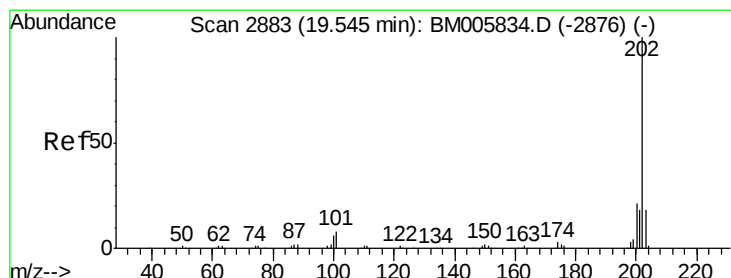
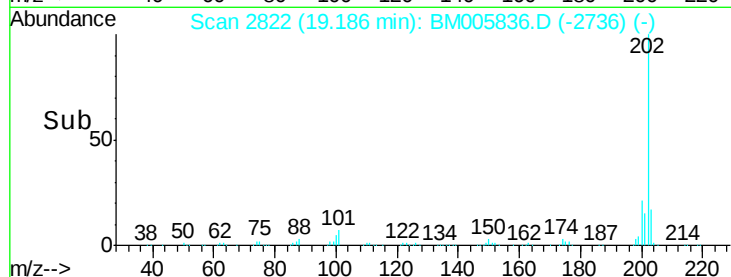
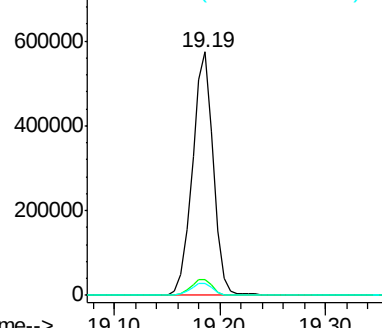
100 4.9 4.2 6.2



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: 72.66 ng/ul

RT: 19.55 min Scan# 2884

Delta R.T. 0.01 min

Lab File: BM005836.D

Acq: 16 Jun 2016 19:26

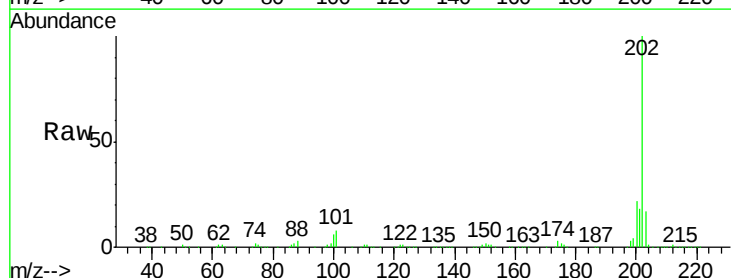
Tgt Ion:202 Resp: 805360

Ion Ratio Lower Upper

202 100

101 8.0 6.5 9.7

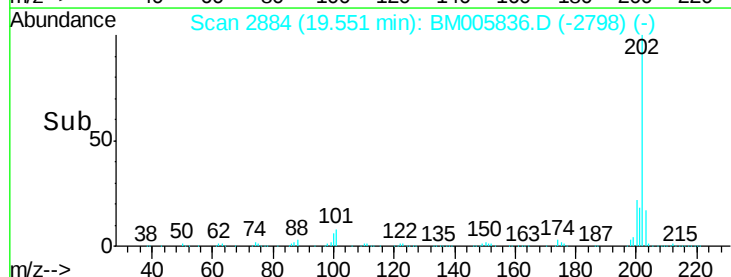
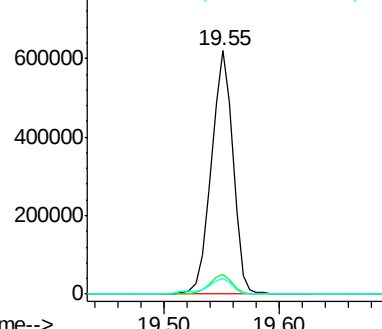
100 6.5 5.4 8.2

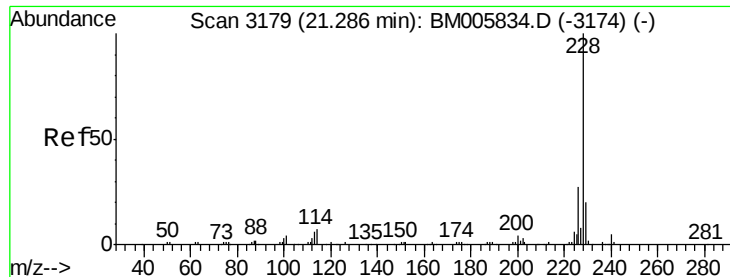


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 82.01 ng/ul

RT: 21.30 min Scan# 3181

Delta R.T. 0.01 min

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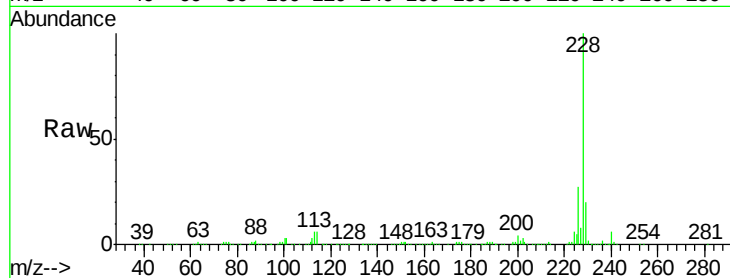
Tgt Ion:228 Resp: 865835

Ion Ratio Lower Upper

228 100

229 19.7 15.8 23.6

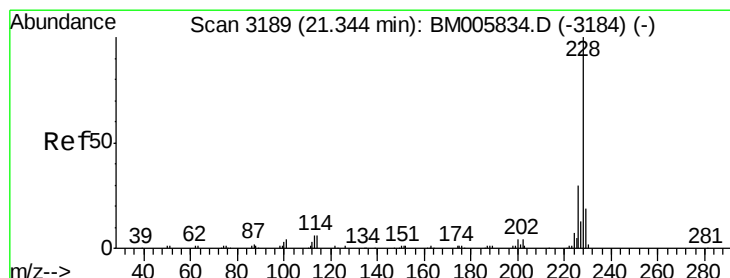
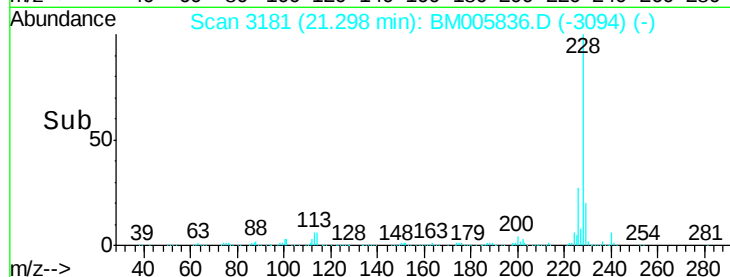
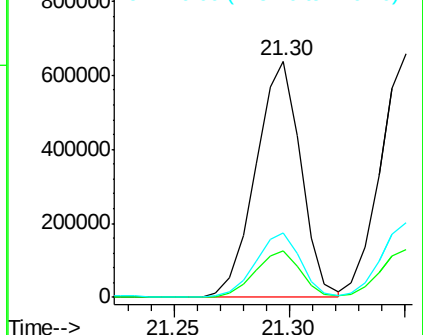
226 27.4 21.8 32.6



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: 79.53 ng/ul

RT: 21.35 min Scan# 3190

Delta R.T. 0.01 min

Lab File: BM005836.D

Acq: 16 Jun 2016 19:26

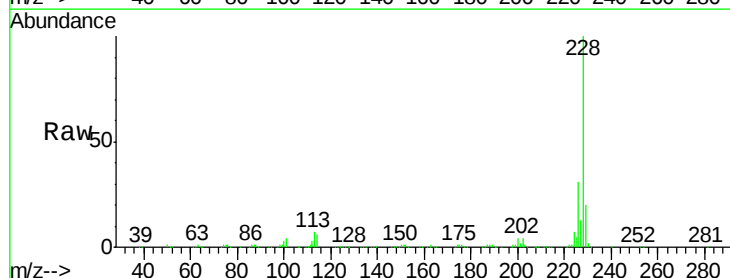
Tgt Ion:228 Resp: 825849

Ion Ratio Lower Upper

228 100

226 30.7 23.5 35.3

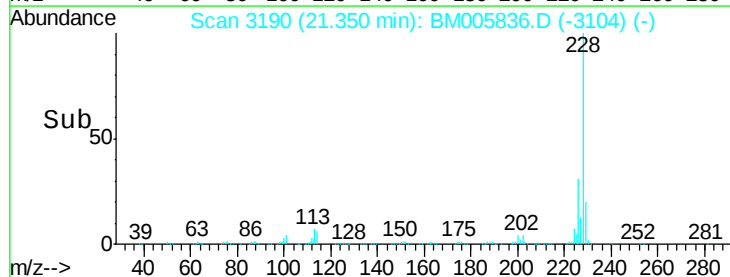
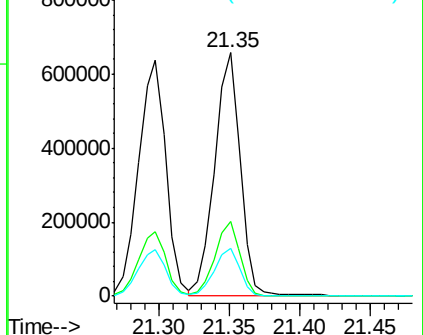
229 19.7 15.4 23.0

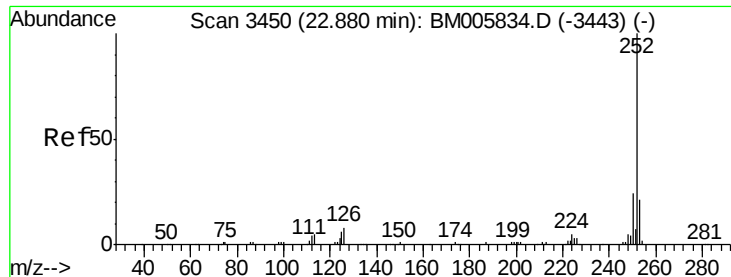


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 76.72 ng/u1

RT: 22.89 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM005836.D

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SSTD08049

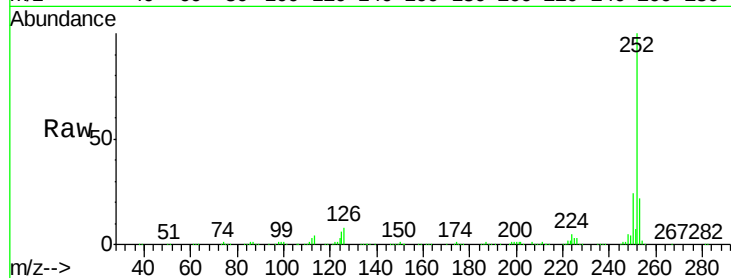
Tgt Ion:252 Resp: 970792

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

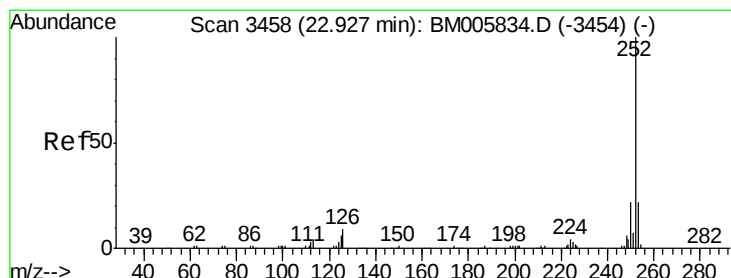
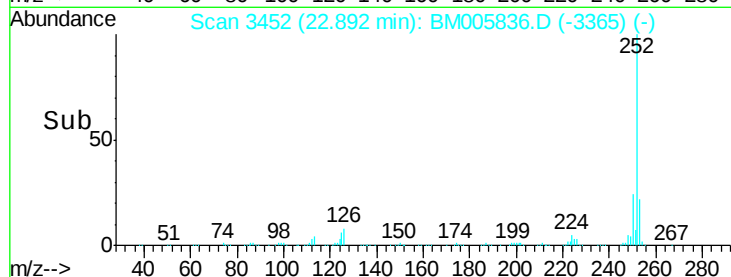
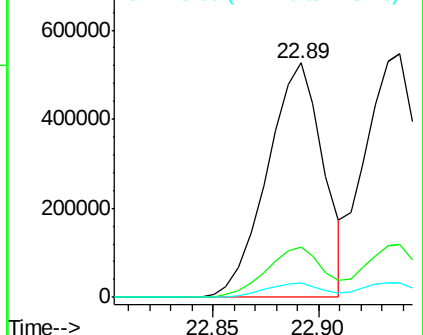
125 6.1 4.9 7.3



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: 79.65 ng/u1

RT: 22.94 min Scan# 3460

Delta R.T. 0.01 min

Lab File: BM005836.D

Acq: 16 Jun 2016 19:26

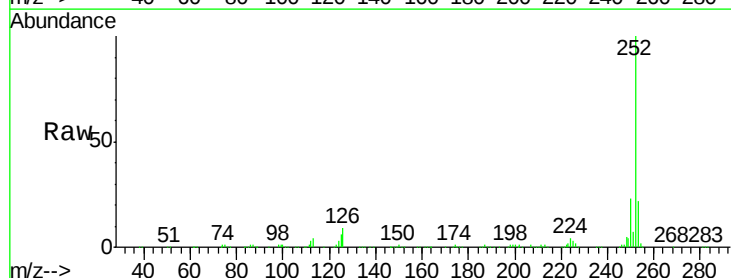
Tgt Ion:252 Resp: 939234

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

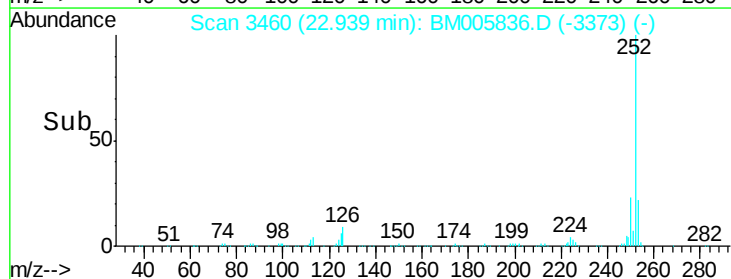
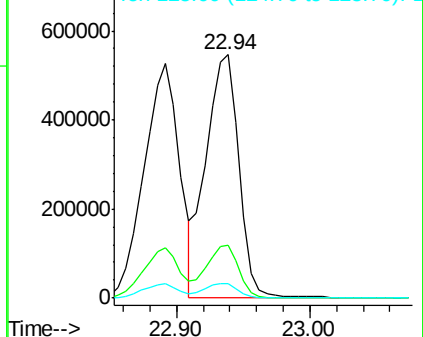
125 5.9 4.8 7.2

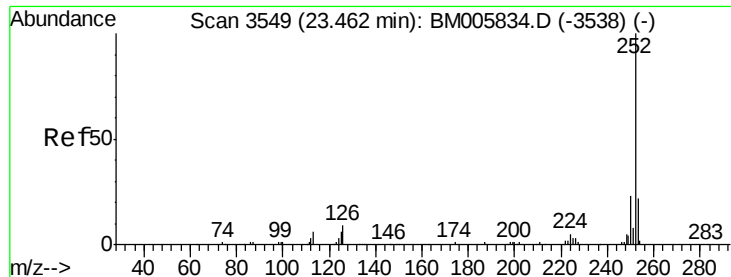


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 78.80 ng/u1

RT: 23.47 min Scan# 3551

Delta R.T. 0.01 min

Lab File: BM005836.D

Acq: 16 Jun 2016 19:26

Instrument :

BNA_M

ClientSampleId :

SSTD08049

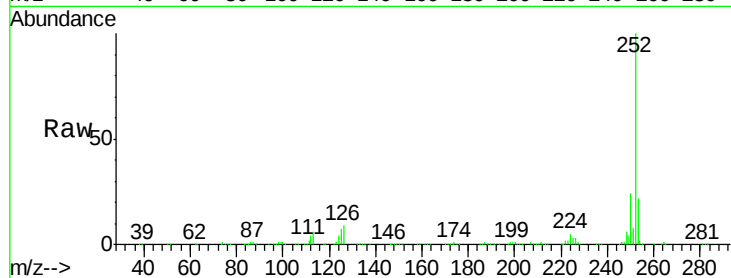
Tgt Ion:252 Resp: 960869

Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

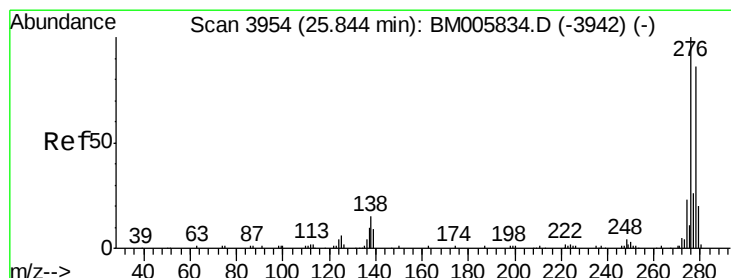
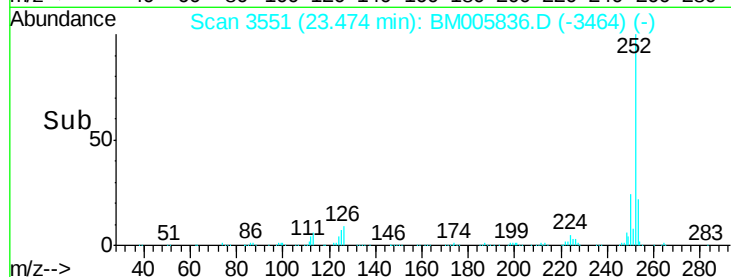
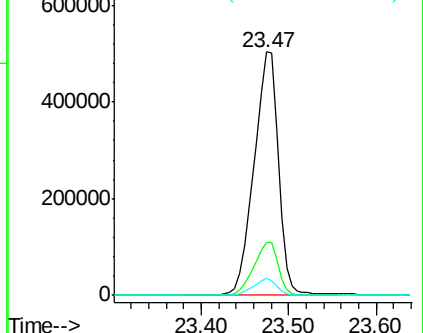
125 6.9 5.1 7.7



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: 86.33 ng/u1

RT: 25.88 min Scan# 3960

Delta R.T. 0.04 min

Lab File: BM005836.D

Acq: 16 Jun 2016 19:26

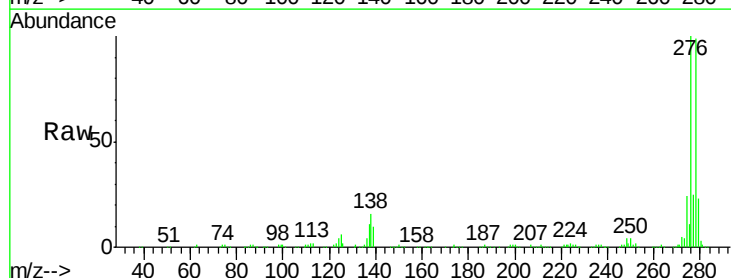
Tgt Ion:276 Resp: 1211562

Ion Ratio Lower Upper

276 100

138 16.4 11.9 17.9

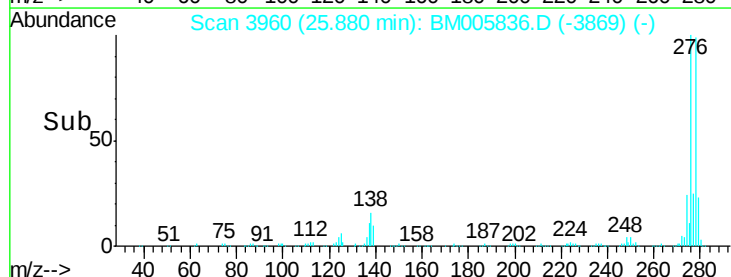
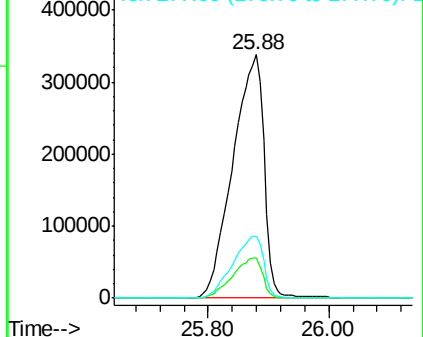
277 25.4 21.0 31.6

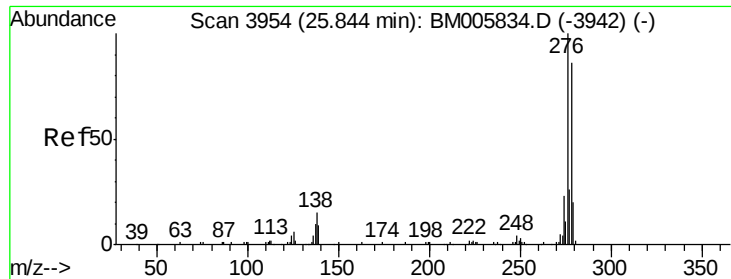


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 85.29 ng/ul

RT: 25.87 min Scan# 3959

Delta R.T. 0.03 min

Lab File: BM005836.D

Acq: 16 Jun 2016 19:26

Instrument :

BNA_M

ClientSampleId :

SSTD08049

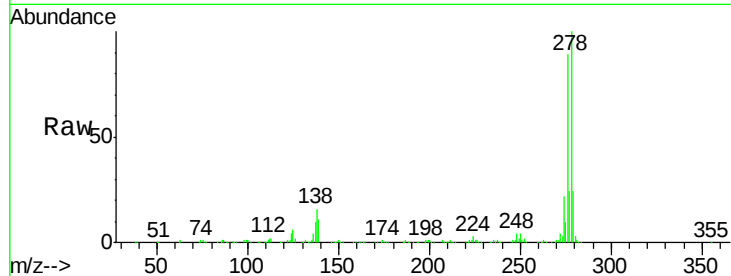
Tgt Ion:278 Resp: 999994

Ion Ratio Lower Upper

278 100

139 10.6 8.2 12.4

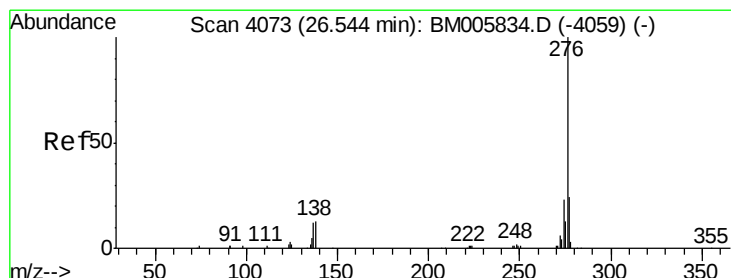
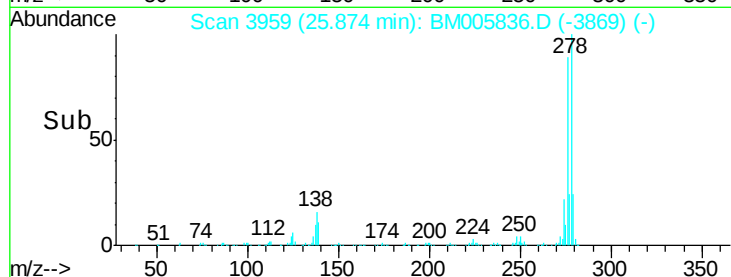
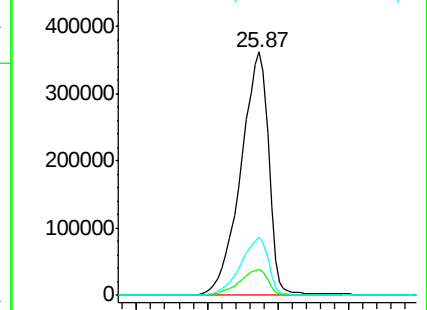
279 23.7 18.6 27.8



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: 84.31 ng/ul

RT: 26.57 min Scan# 4077

Delta R.T. 0.02 min

Lab File: BM005836.D

Acq: 16 Jun 2016 19:26

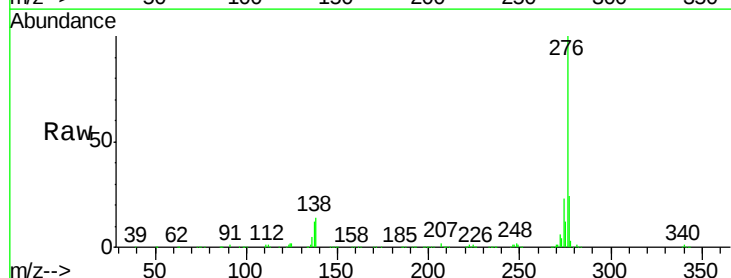
Tgt Ion:276 Resp: 1024035

Ion Ratio Lower Upper

276 100

138 13.6 10.6 15.8

277 23.6 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

