

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061716\
 Data File : BM005837.D
 Acq On : 16 Jun 2016 20:02
 Operator : UM/SJ
 Sample : SSTD16050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD16050

Quant Time: Jun 17 01:26:41 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	17481	20.00	ng/ul	0.00
7) Naphthalene-d8	10.52	136	80823	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.38	164	52044	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	127086	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	158431	20.00	ng/ul	0.01
34) Perylene-d12	23.57	264	179137	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	23251	62.10	ng/uL	0.00
3) Phenol-d5	6.92	99	258062	181.73	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	122429	148.31	ng/ul	0.00
5) 2-Chlorophenol-d4	7.27	132	219418	183.52	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	224104	184.36	ng/ul	0.02
8) Nitrobenzene-d5	8.90	128	109898	192.19	ng/ul	0.01
9) 2-Nitrophenol-d4	9.62	143	132194	204.55	ng/ul	0.01
10) 2,4-Dichlorophenol-d3	10.16	165	245938	196.24	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	143191	117.20	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	760414	178.54	ng/ul	0.01
17) Acenaphthylene-d8	14.07	160	887741	166.76	ng/ul	0.00
20) 4-Nitrophenol-d4	14.64	143	111600	222.87	ng/ul	0.02
21) Fluorene-d10	15.38	176	643644	179.08	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	15.54	200	153783	248.26	ng/ul	0.02
26) Anthracene-d10	17.23	188	1022773	169.95	ng/ul	0.01
30) Pyrene-d10	19.53	212	1194023	154.13	ng/ul	0.01
37) Benzo(a)pyrene-d12	23.44	264	1366442	162.61	ng/ul	0.02

Target Compounds

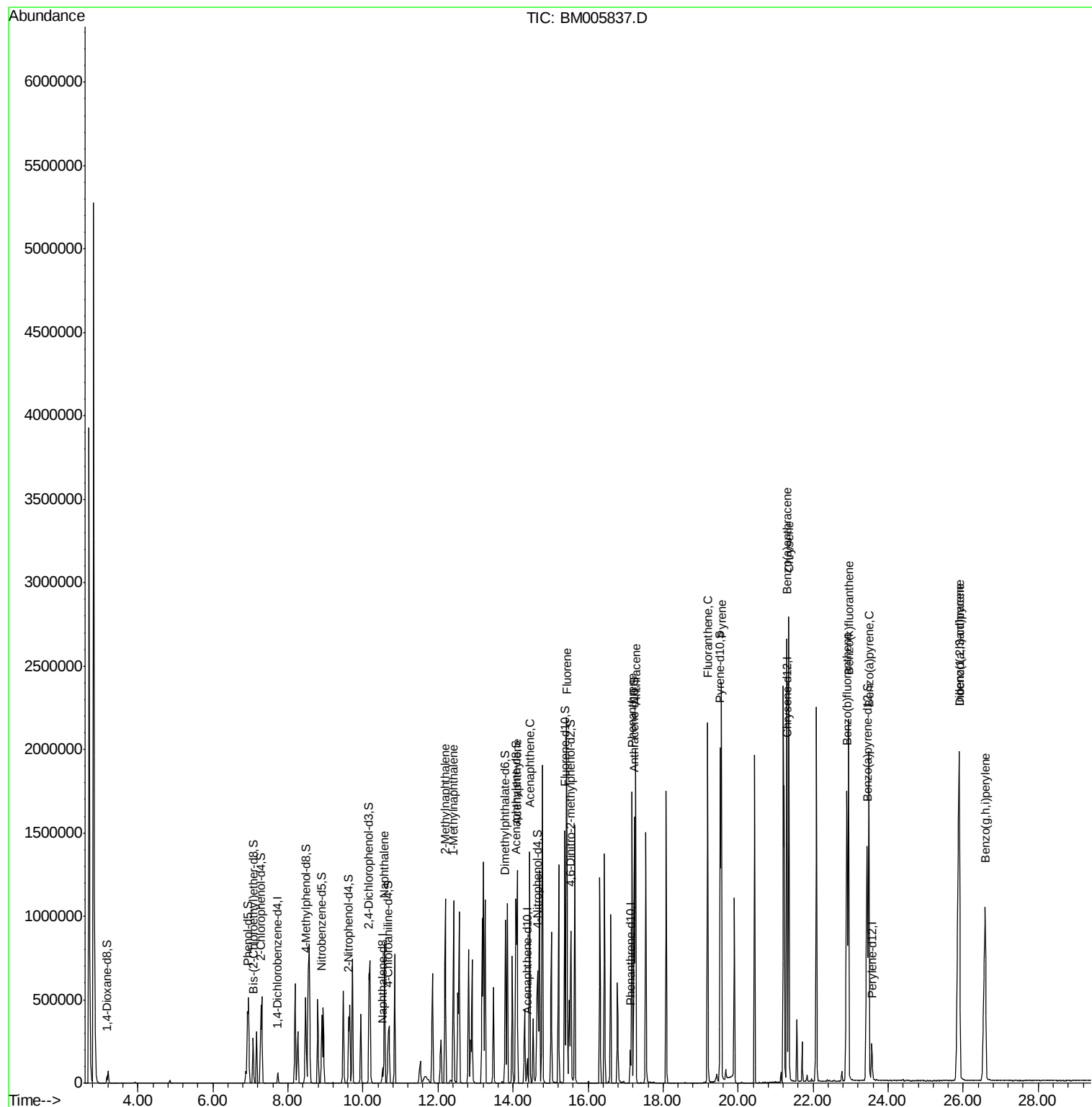
						Qvalue
11) Naphthalene	10.57	128	687709	168.23	ng/ul	100
13) 2-Methylnaphthalene	12.19	142	521754	174.93	ng/ul	99
14) 1-Methylnaphthalene	12.42	142	522435	171.82	ng/ul	98
18) Acenaphthylene	14.11	152	895144	166.95	ng/ul	99
19) Acenaphthene	14.45	153	596530	168.95	ng/ul	99
22) Fluorene	15.44	166	710318	181.38	ng/ul	99
25) Phenanthrene	17.17	178	1160025	164.21	ng/ul	99
27) Anthracene	17.27	178	1190732	169.31	ng/ul	99
28) Fluoranthene	19.19	202	1443509	186.09	ng/ul	98
31) Pyrene	19.56	202	1481203	152.13	ng/ul	99
32) Benzo(a)anthracene	21.30	228	1577543	170.11	ng/ul	99
33) Chrysene	21.36	228	1485917	162.91	ng/ul	98
35) Benzo(b)fluoranthene	22.90	252	1737394	160.84	ng/ul	99
36) Benzo(k)fluoranthene	22.95	252	1584537	157.40	ng/ul	100
38) Benzo(a)pyrene	23.49	252	1640206	157.58	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.90	276	1984113	165.62	ng/ul	97
40) Dibenzo(a,h)anthracene	25.90	278	1663761	166.24	ng/ul	99
41) Benzo(g,h,i)perylene	26.59	276	1634293	157.63	ng/ul	99

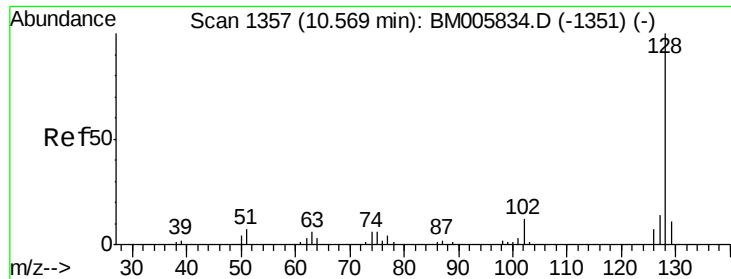
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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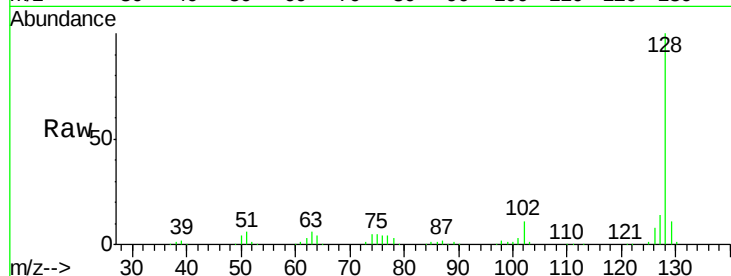




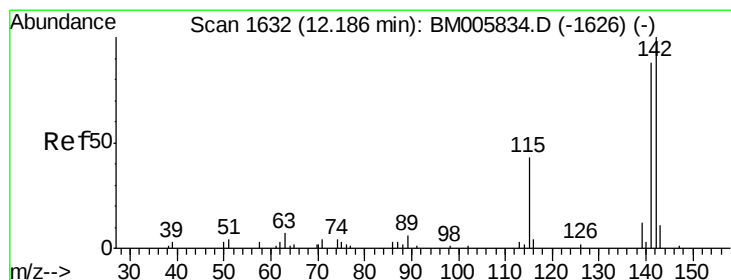
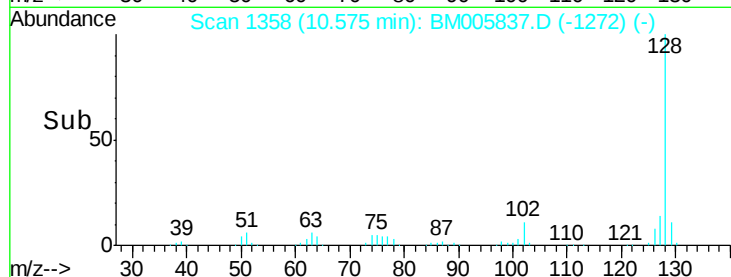
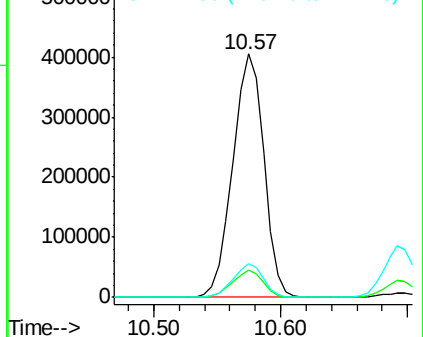
#11
Naphthalene
Concen: 168.23 ng/ul
RT: 10.57 min Scan# 1358
Delta R.T. 0.01 min
Lab File: BM005837.D
Acq: 16 Jun 2016 20:02

Instrument :
BNA_M
ClientSampleId :
SSTD16050

Tgt Ion:128 Resp: 687709
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.6 10.9 16.3

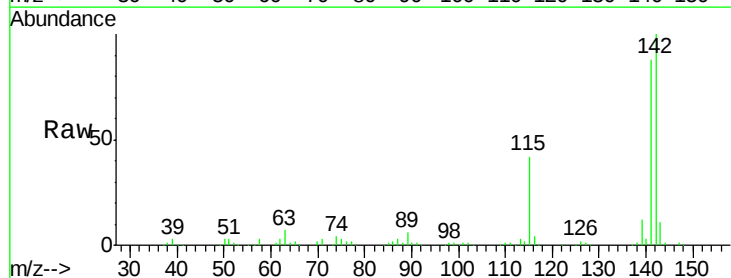


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

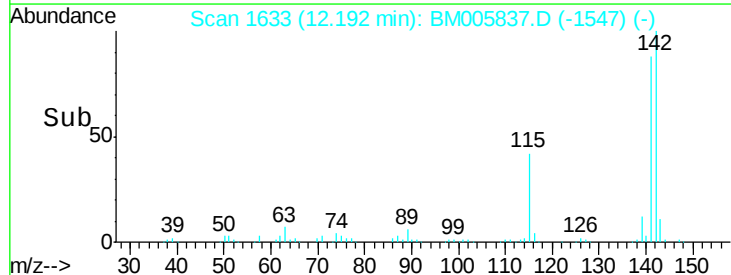
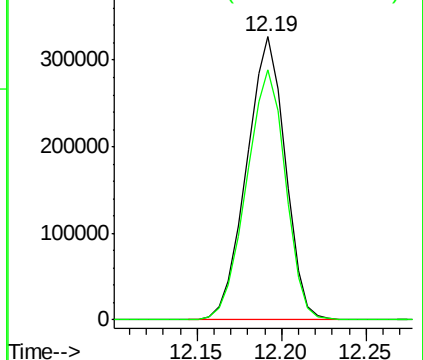


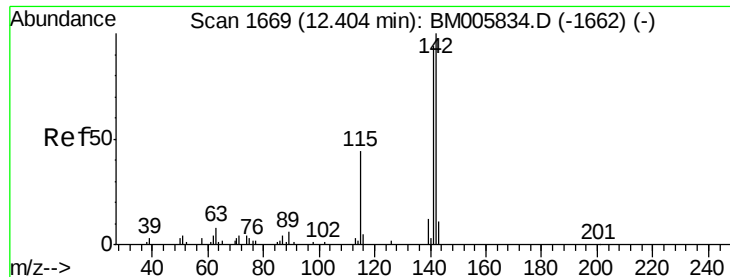
#13
2-Methylnaphthalene
Concen: 174.93 ng/ul
RT: 12.19 min Scan# 1633
Delta R.T. 0.01 min
Lab File: BM005837.D
Acq: 16 Jun 2016 20:02

Tgt Ion:142 Resp: 521754
Ion Ratio Lower Upper
142 100
141 88.5 70.2 105.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

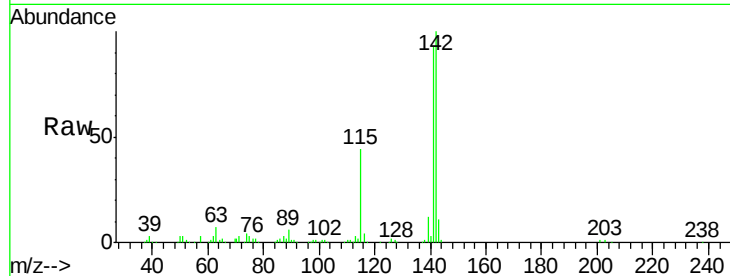




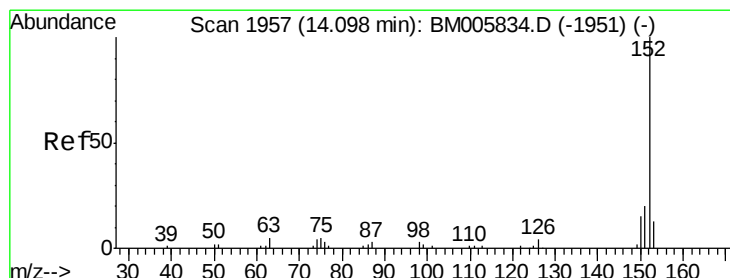
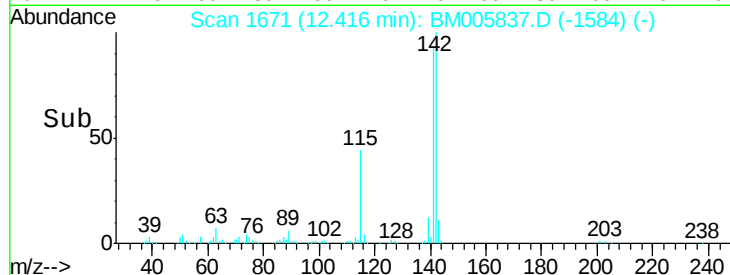
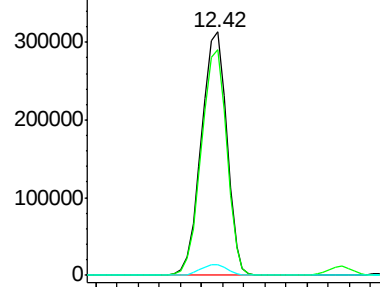
#14
1-Methylnaphthalene
Concen: 171.82 ng/ul
RT: 12.42 min Scan# 1671
Delta R.T. 0.01 min
Lab File: BM005837.D
Acq: 16 Jun 2016 20:02

Instrument :
BNA_M
ClientSampleId :
SSTD16050

Tgt Ion:142 Resp: 522435
Ion Ratio Lower Upper
142 100
141 92.7 75.4 113.2
116 4.4 3.7 5.5

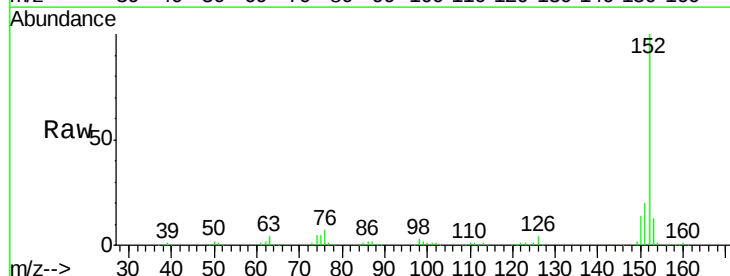


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

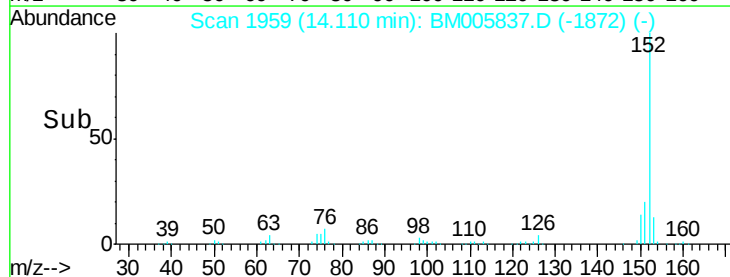
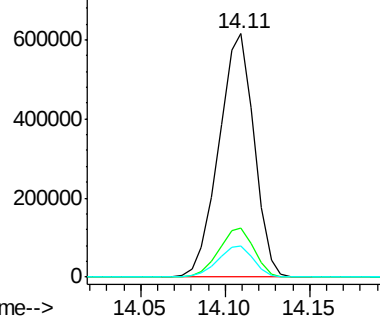


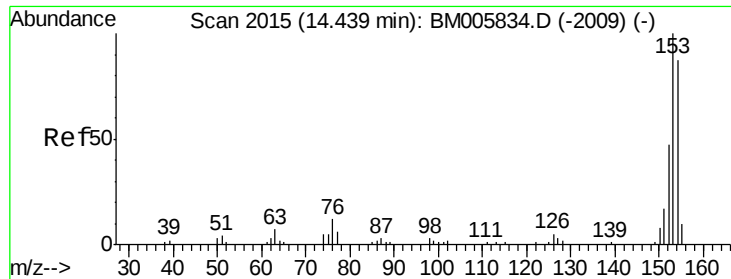
#18
Acenaphthylene
Concen: 166.95 ng/ul
RT: 14.11 min Scan# 1959
Delta R.T. 0.01 min
Lab File: BM005837.D
Acq: 16 Jun 2016 20:02

Tgt Ion:152 Resp: 895144
Ion Ratio Lower Upper
152 100
151 20.2 16.3 24.5
153 13.0 10.2 15.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#19

Acenaphthene

Concen: 168.95 ng/ul

RT: 14.45 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BM005837.D

Acq: 16 Jun 2016 20:02

Instrument :

BNA_M

ClientSampleId :

SSTD16050

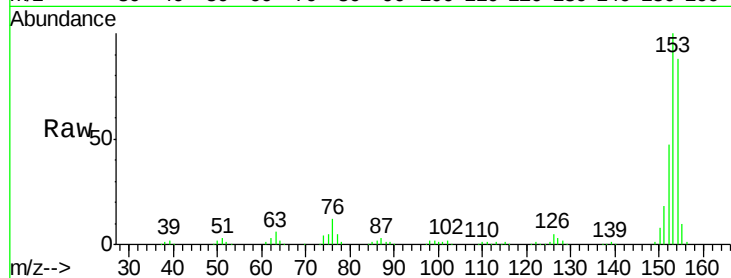
Tgt Ion:153 Resp: 596530

Ion Ratio Lower Upper

153 100

152 47.4 37.4 56.0

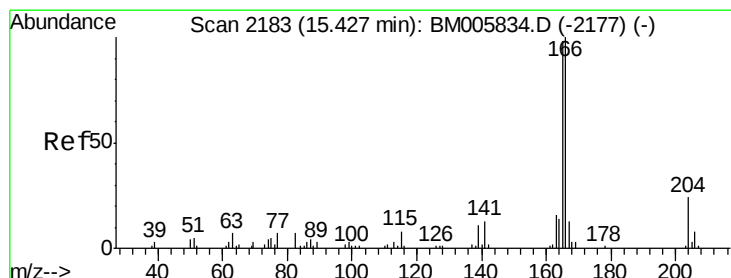
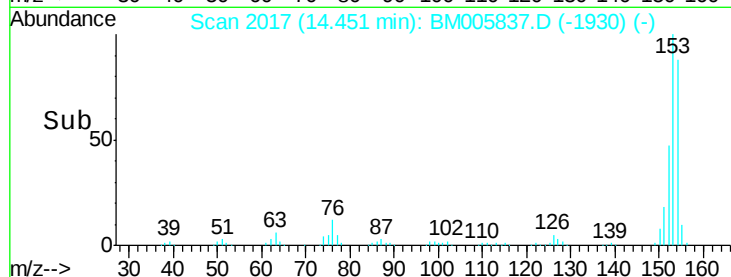
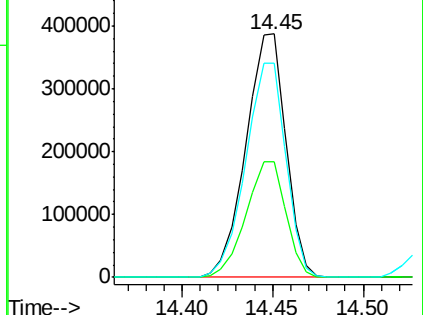
154 87.8 69.7 104.5



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: 181.38 ng/ul

RT: 15.44 min Scan# 2185

Delta R.T. 0.01 min

Lab File: BM005837.D

Acq: 16 Jun 2016 20:02

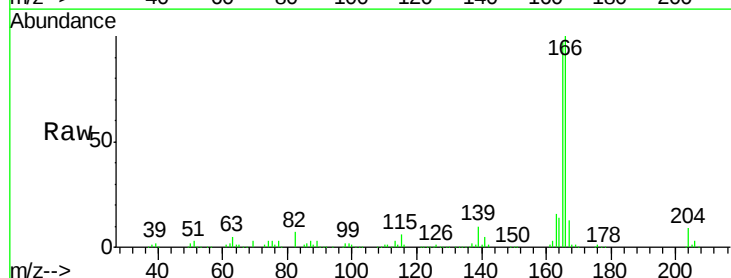
Tgt Ion:166 Resp: 710318

Ion Ratio Lower Upper

166 100

165 97.4 78.5 117.7

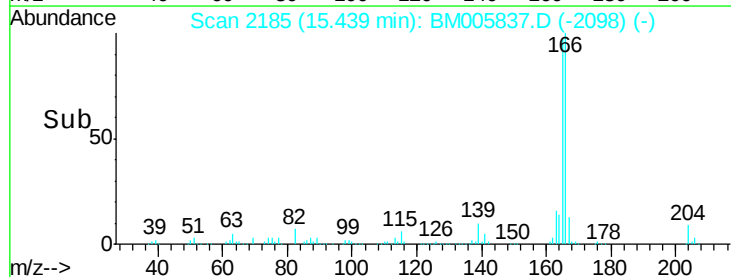
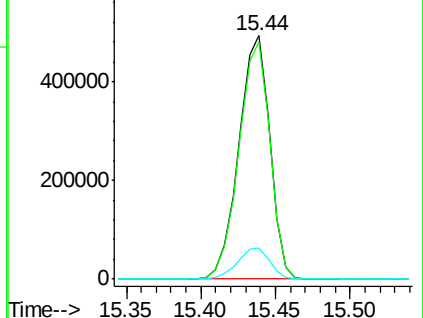
167 12.9 10.7 16.1

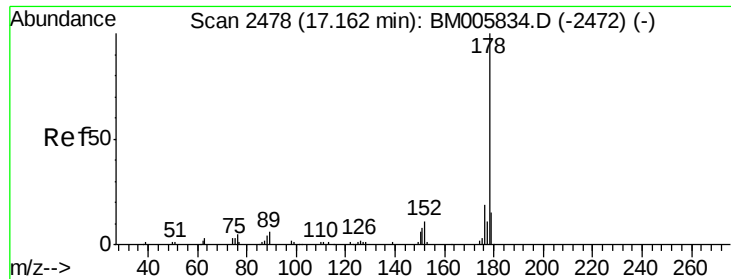


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

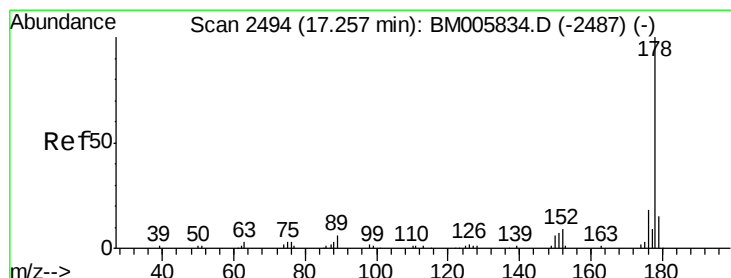
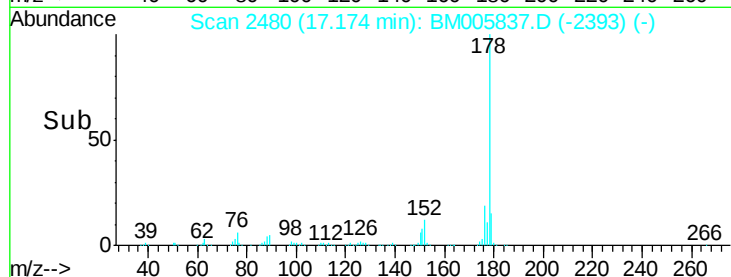
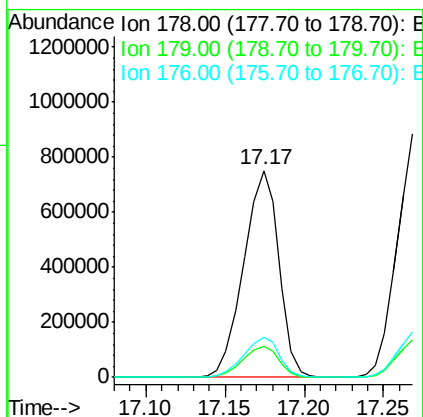
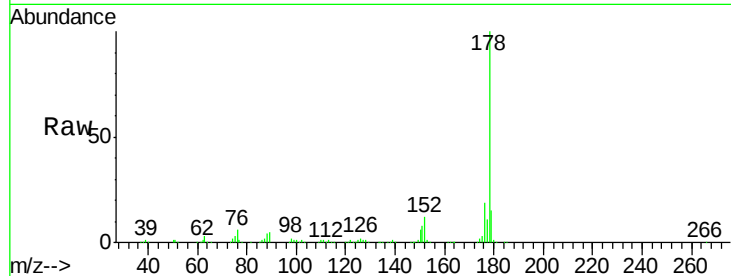




#25
Phenanthrene
Concen: 164.21 ng/ul
RT: 17.17 min Scan# 2480
Delta R.T. 0.01 min
Lab File: BM005837.D
Acq: 16 Jun 2016 20:02

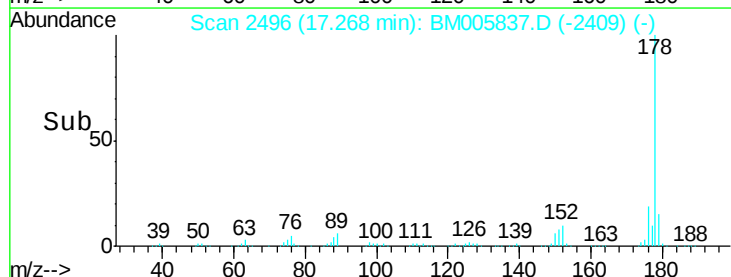
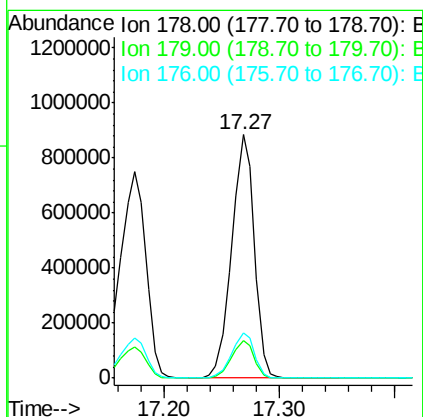
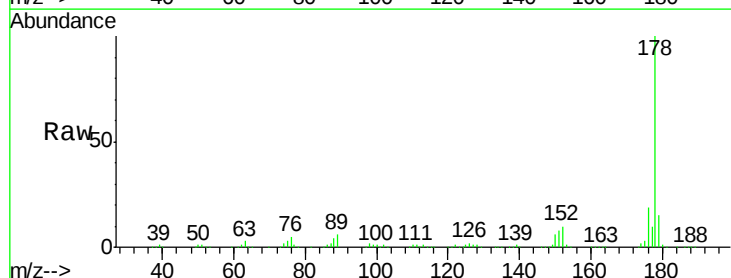
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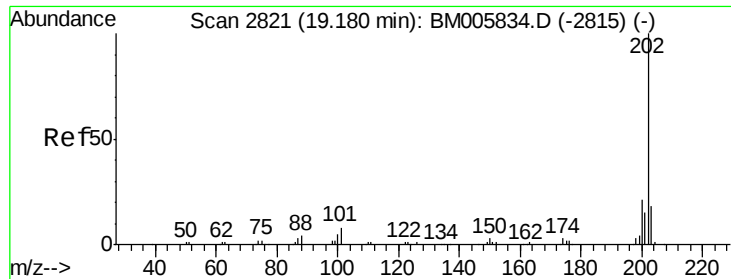
Tgt Ion:178 Resp: 1160025
Ion Ratio Lower Upper
178 100
179 15.4 12.0 18.0
176 19.4 14.9 22.3



#27
Anthracene
Concen: 169.31 ng/ul
RT: 17.27 min Scan# 2496
Delta R.T. 0.01 min
Lab File: BM005837.D
Acq: 16 Jun 2016 20:02

Tgt Ion:178 Resp: 1190732
Ion Ratio Lower Upper
178 100
179 15.4 11.9 17.9
176 18.8 14.8 22.2

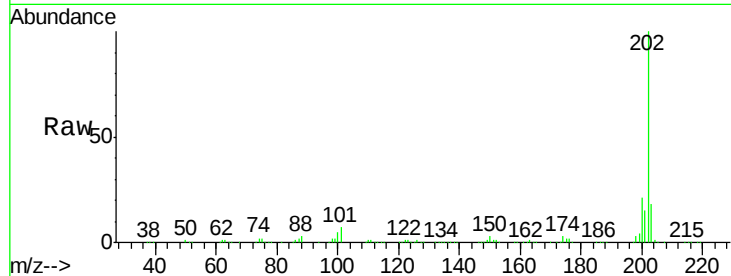




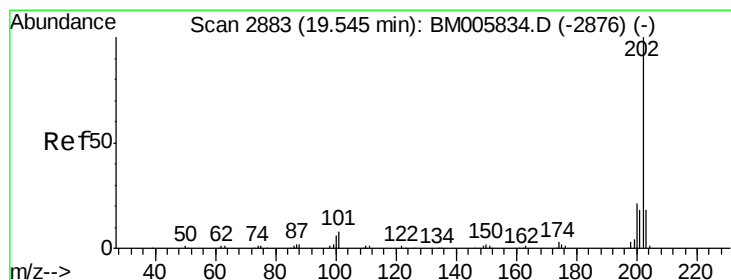
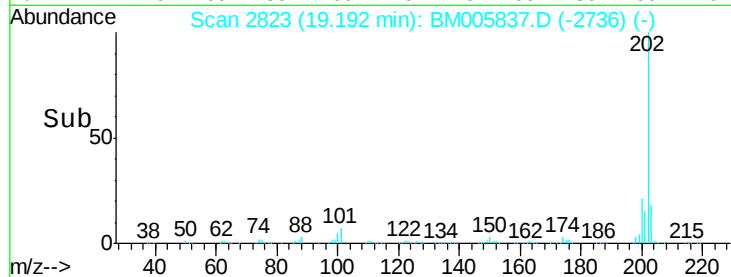
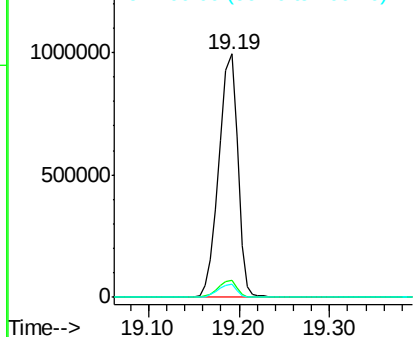
#28
Fluoranthene
Concen: 186.09 ng/ul
RT: 19.19 min Scan# 2823
Delta R.T. 0.01 min
Lab File: BM005837.D
Acq: 16 Jun 2016 20:02

Instrument :
BNA_M
ClientSampleId :
SSTD16050

Tgt Ion:202 Resp: 1443509
Ion Ratio Lower Upper
202 100
101 6.8 6.1 9.1
100 5.4 4.2 6.2

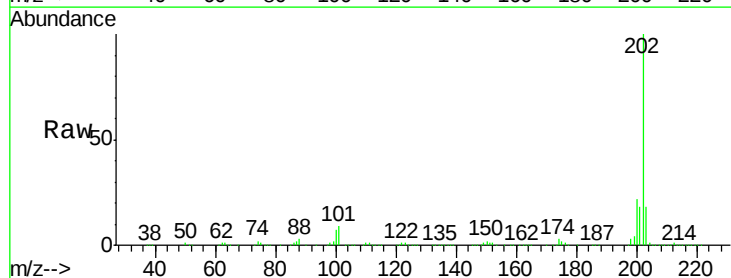


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

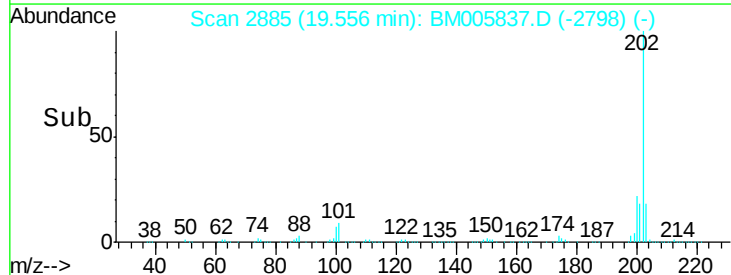
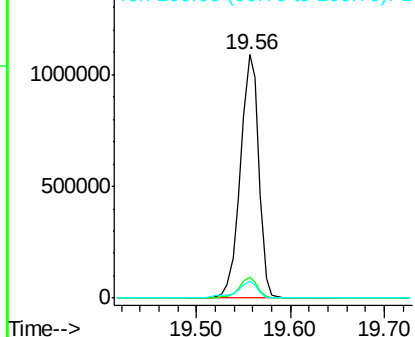


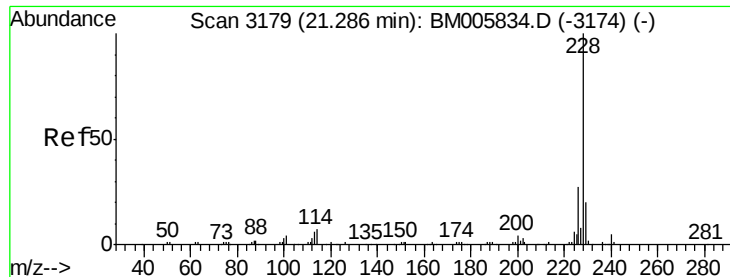
#31
Pyrene
Concen: 152.13 ng/ul
RT: 19.56 min Scan# 2885
Delta R.T. 0.01 min
Lab File: BM005837.D
Acq: 16 Jun 2016 20:02

Tgt Ion:202 Resp: 1481203
Ion Ratio Lower Upper
202 100
101 8.6 6.5 9.7
100 6.8 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: 170.11 ng/u1

RT: 21.30 min Scan# 3182

Delta R.T. 0.02 min

Lab File: BM005837.D

Acq: 16 Jun 2016 20:02

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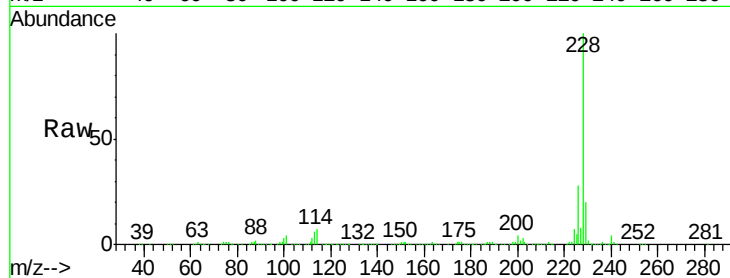
Tgt Ion:228 Resp: 1577543

Ion Ratio Lower Upper

228 100

229 19.6 15.8 23.6

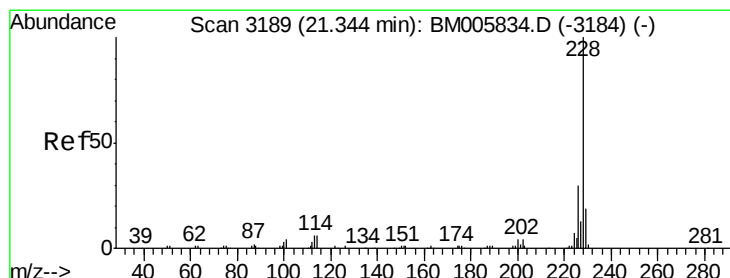
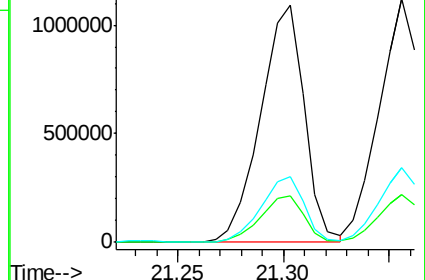
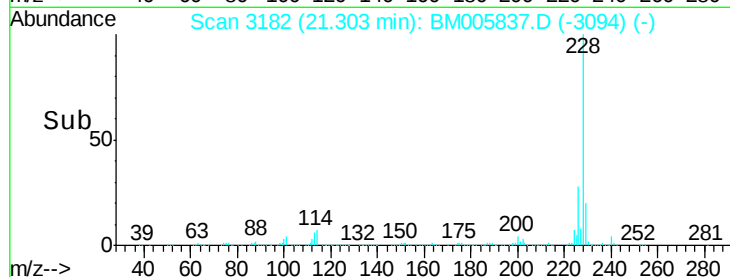
226 27.6 21.8 32.6



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: 162.91 ng/u1

RT: 21.36 min Scan# 3191

Delta R.T. 0.01 min

Lab File: BM005837.D

Acq: 16 Jun 2016 20:02

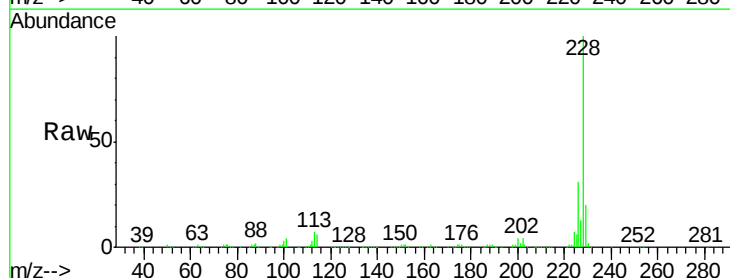
Tgt Ion:228 Resp: 1485917

Ion Ratio Lower Upper

228 100

226 30.8 23.5 35.3

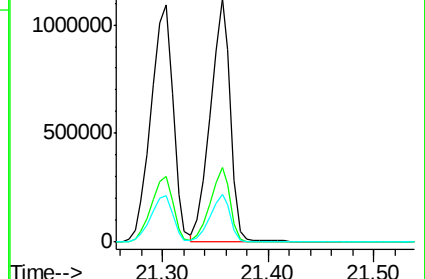
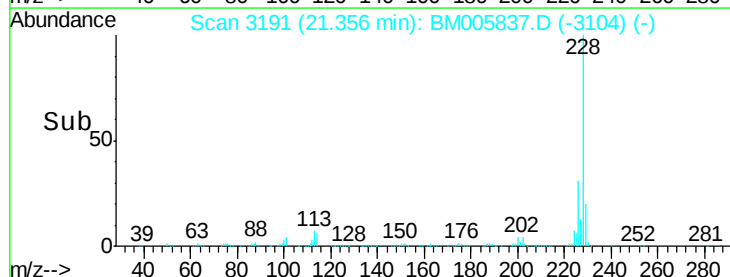
229 19.8 15.4 23.0

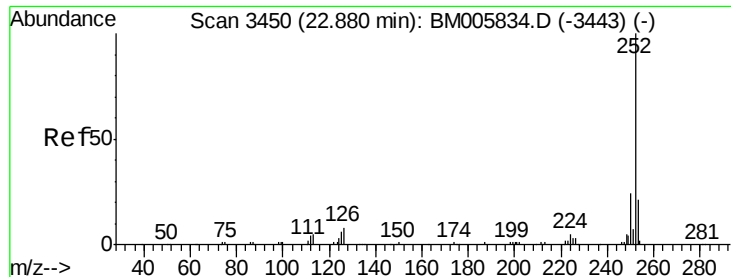


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 160.84 ng/u1

RT: 22.90 min Scan# 3454

Delta R.T. 0.02 min

Lab File: BM005837.D

Acq: 16 Jun 2016 20:02

Instrument :

BNA_M

ClientSampleId :

SSTD16050

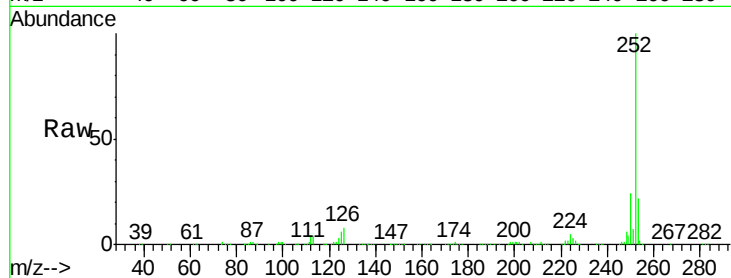
Tgt Ion:252 Resp: 1737394

Ion Ratio Lower Upper

252 100

253 21.9 17.1 25.7

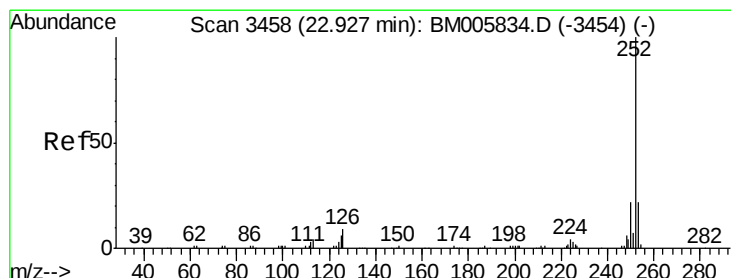
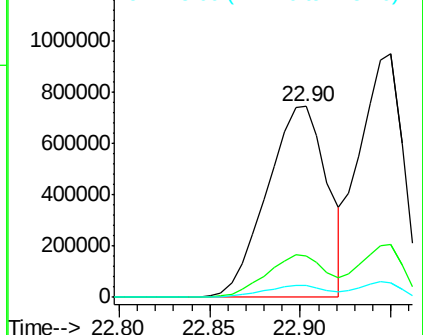
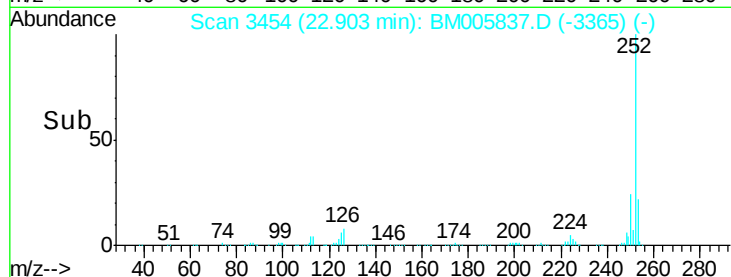
125 6.0 4.9 7.3



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: 157.40 ng/u1

RT: 22.95 min Scan# 3462

Delta R.T. 0.02 min

Lab File: BM005837.D

Acq: 16 Jun 2016 20:02

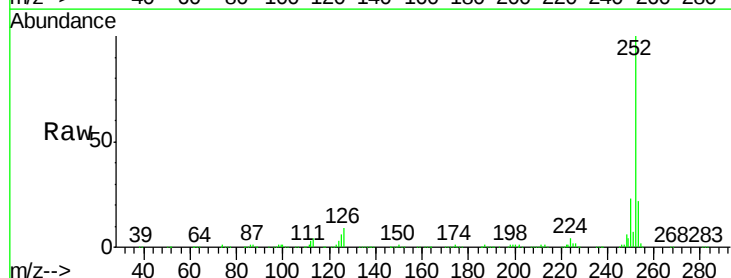
Tgt Ion:252 Resp: 1584537

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

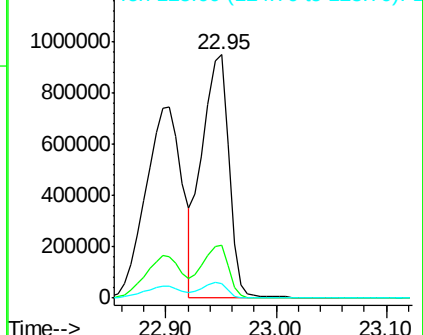
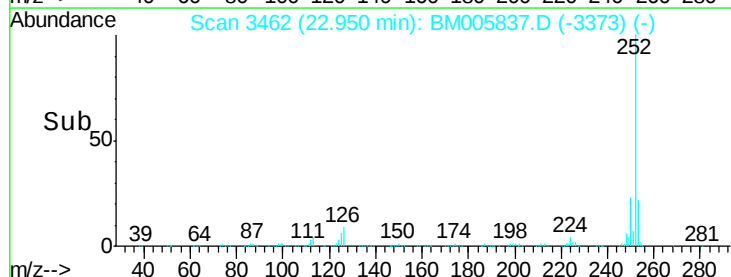
125 5.9 4.8 7.2

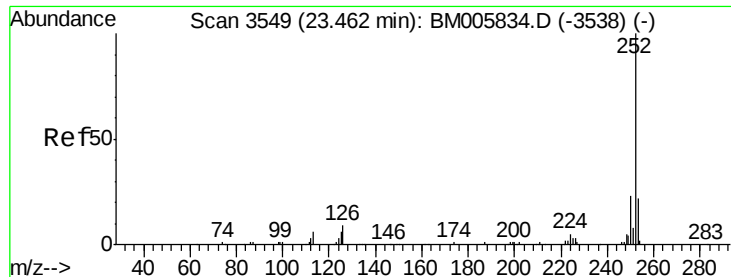


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 157.58 ng/ul

RT: 23.49 min Scan# 3554

Delta R.T. 0.03 min

Lab File: BM005837.D

Acq: 16 Jun 2016 20:02

Instrument :

BNA_M

ClientSampled :

SSTD16050

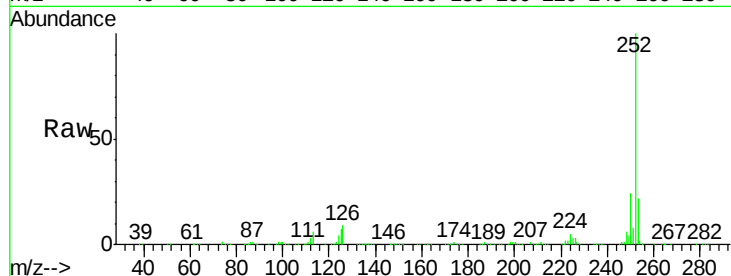
Tgt Ion:252 Resp: 1640206

Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

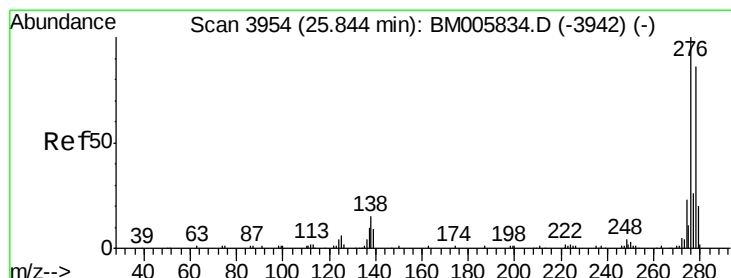
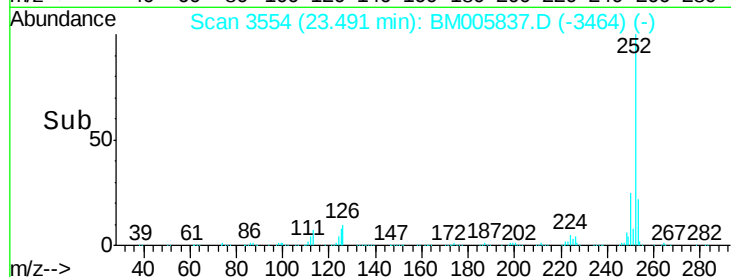
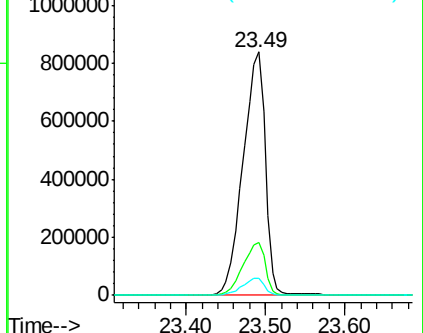
125 6.8 5.1 7.7



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: 165.62 ng/ul

RT: 25.90 min Scan# 3964

Delta R.T. 0.06 min

Lab File: BM005837.D

Acq: 16 Jun 2016 20:02

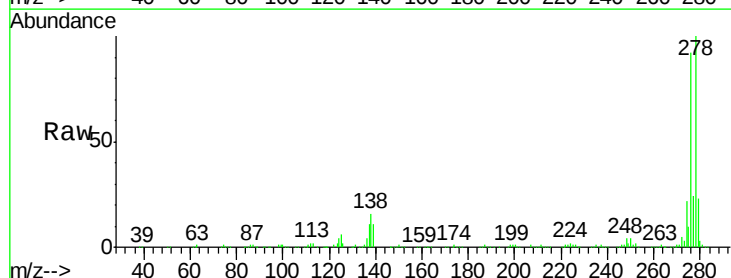
Tgt Ion:276 Resp: 1984113

Ion Ratio Lower Upper

276 100

138 17.5 11.9 17.9

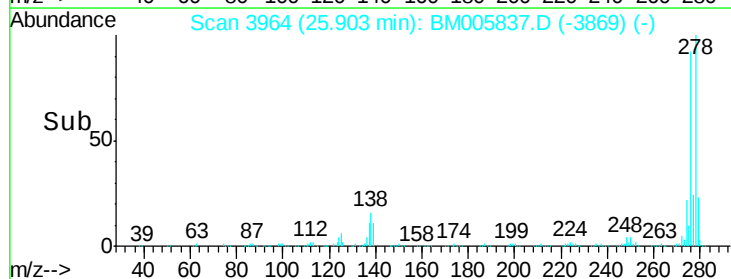
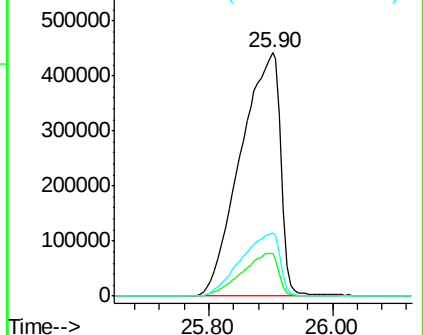
277 25.9 21.0 31.6

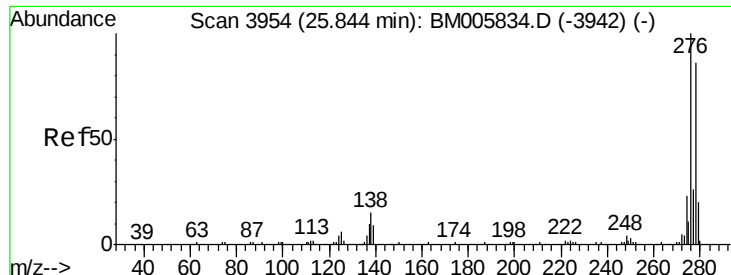


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 166.24 ng/ul

RT: 25.90 min Scan# 3963

Delta R.T. 0.05 min

Lab File: BM005837.D

Acq: 16 Jun 2016 20:02

Instrument :

BNA_M

ClientSampleId :

SSTD16050

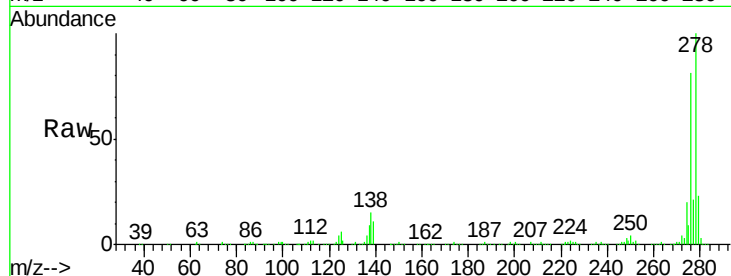
Tgt Ion:278 Resp: 1663761

Ion Ratio Lower Upper

278 100

139 10.7 8.2 12.4

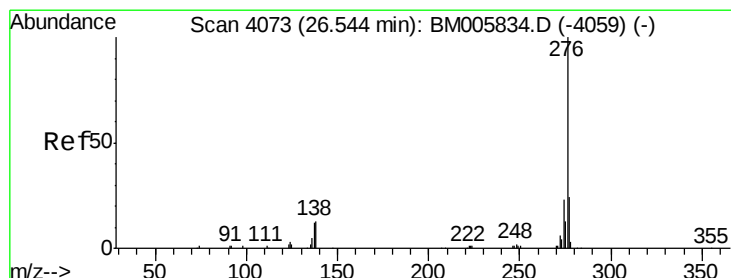
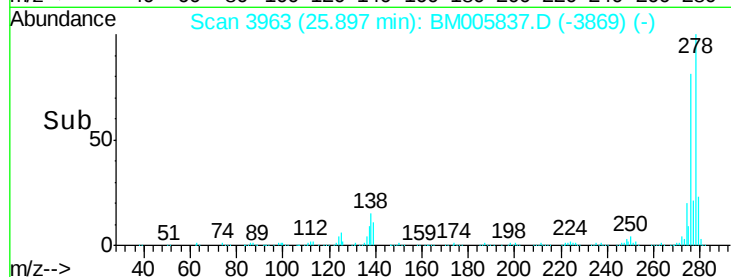
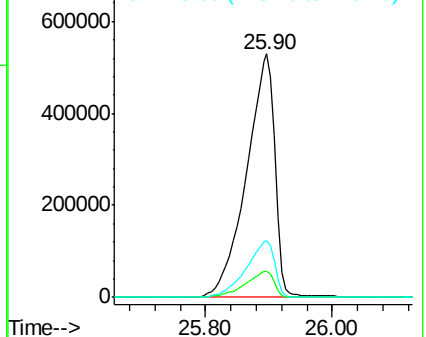
279 23.5 18.6 27.8



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: 157.63 ng/ul

RT: 26.59 min Scan# 4081

Delta R.T. 0.05 min

Lab File: BM005837.D

Acq: 16 Jun 2016 20:02

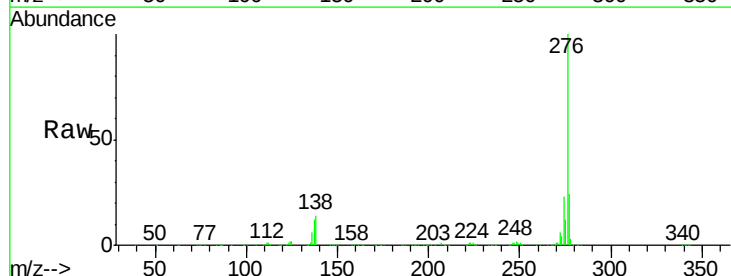
Tgt Ion:276 Resp: 1634293

Ion Ratio Lower Upper

276 100

138 13.6 10.6 15.8

277 23.7 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

