

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061716\
 Data File : BM005835.D
 Acq On : 16 Jun 2016 18:50
 Operator : UM/SJ
 Sample : SSTD04048
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD04048

Quant Time: Jun 17 01:26:17 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	19405	20.00	ng/ul	0.00
7) Naphthalene-d8	10.52	136	88096	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.37	164	58496	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.12	188	144123	20.00	ng/ul	0.00
29) Chrysene-d12	21.31	240	185763	20.00	ng/ul	0.00
34) Perylene-d12	23.56	264	205024	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	6356	15.29	ng/uL	0.00
3) Phenol-d5	6.91	99	66465	42.16	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.06	67	33949	37.05	ng/ul	0.00
5) 2-Chlorophenol-d4	7.26	132	56746	42.76	ng/ul	0.00
6) 4-Methylphenol-d8	8.45	113	59702	44.24	ng/ul	0.00
8) Nitrobenzene-d5	8.89	128	27990	44.91	ng/ul	0.00
9) 2-Nitrophenol-d4	9.61	143	34745	49.32	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.16	165	66611	48.76	ng/ul	0.00
12) 4-Chloroaniline-d4	10.66	131	46356	34.81	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	221747	46.32	ng/ul	0.00
17) Acenaphthylene-d8	14.07	160	256465	42.86	ng/ul	0.00
20) 4-Nitrophenol-d4	14.62	143	28824	51.21	ng/ul	0.00
21) Fluorene-d10	15.37	176	185796	45.99	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	41739	59.42	ng/ul	0.00
26) Anthracene-d10	17.22	188	300764	44.07	ng/ul	0.00
30) Pyrene-d10	19.52	212	357337	39.34	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.42	264	412392	42.88	ng/ul	0.00

Target Compounds

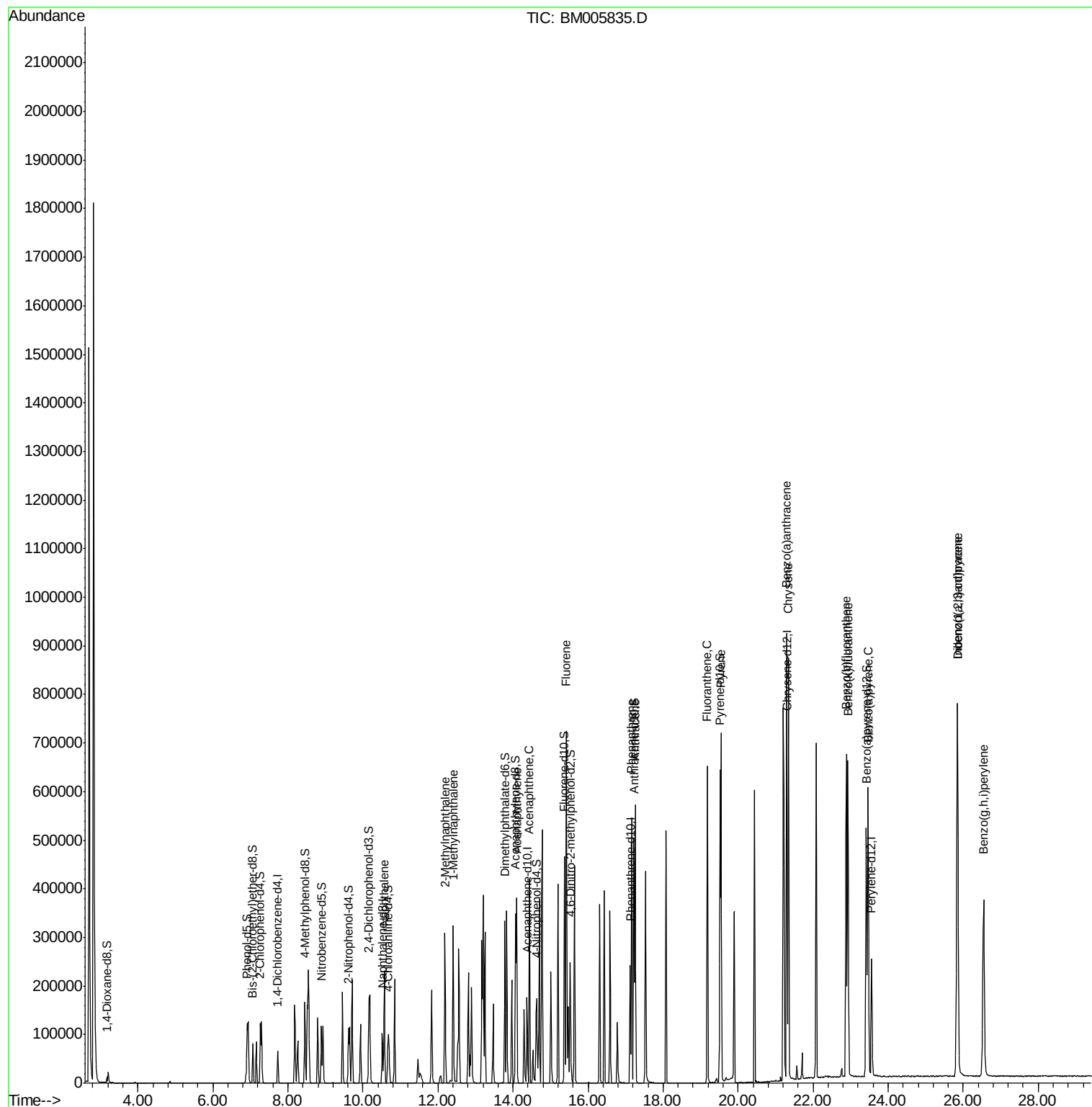
						Qvalue
11) Naphthalene	10.57	128	191679	43.02	ng/ul	99
13) 2-Methylnaphthalene	12.19	142	148106	45.56	ng/ul	98
14) 1-Methylnaphthalene	12.40	142	148995	44.96	ng/ul	99
18) Acenaphthylene	14.10	152	258532	42.90	ng/ul	99
19) Acenaphthene	14.44	153	172422	43.45	ng/ul	100
22) Fluorene	15.43	166	206135	46.83	ng/ul	100
25) Phenanthrene	17.16	178	342798	42.79	ng/ul	99
27) Anthracene	17.26	178	352650	44.22	ng/ul	99
28) Fluoranthene	19.18	202	431364	49.03	ng/ul	99
31) Pyrene	19.54	202	445625	39.04	ng/ul	99
32) Benzo(a)anthracene	21.29	228	465252	42.79	ng/ul	100
33) Chrysene	21.34	228	451369	42.20	ng/ul	98
35) Benzo(b)fluoranthene	22.89	252	504448	40.80	ng/ul	100
36) Benzo(k)fluoranthene	22.93	252	496530	43.10	ng/ul	100
38) Benzo(a)pyrene	23.47	252	501334	42.08	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.86	276	611776	44.62	ng/ul	98
40) Dibenzo(a,h)anthracene	25.85	278	504544	44.05	ng/ul	100
41) Benzo(g,h,i)perylene	26.54	276	521288	43.93	ng/ul	98

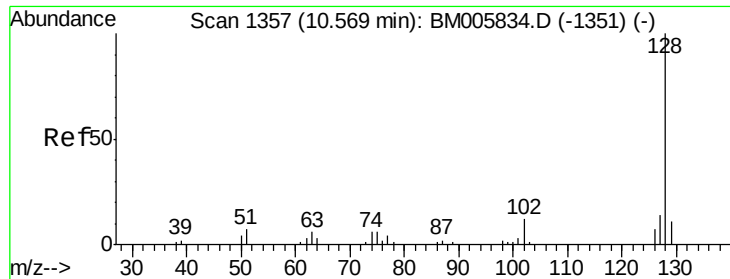
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

Naphthalene

Concen: 43.02 ng/ul

RT: 10.57 min Scan# 1357

Delta R.T. 0.00 min

Lab File: BM005835.D

Acq: 16 Jun 2016 18:50

Instrument :

BNA_M

ClientSampleId :

SSTD04048

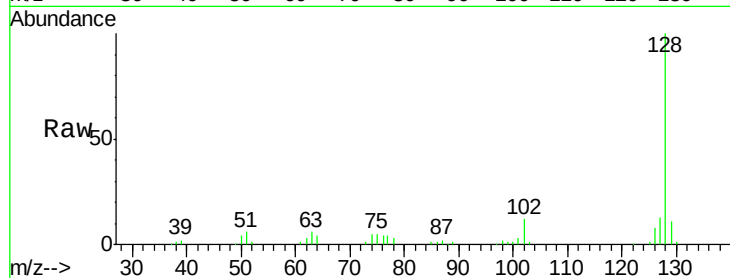
Tgt Ion:128 Resp: 191679

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

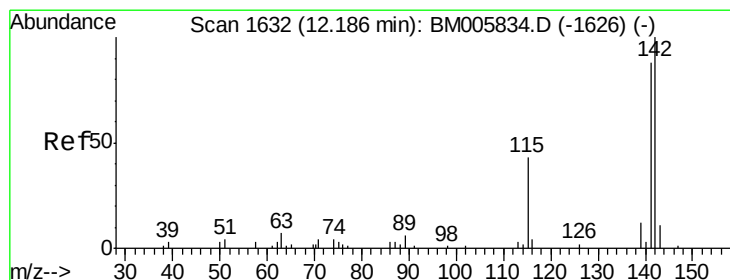
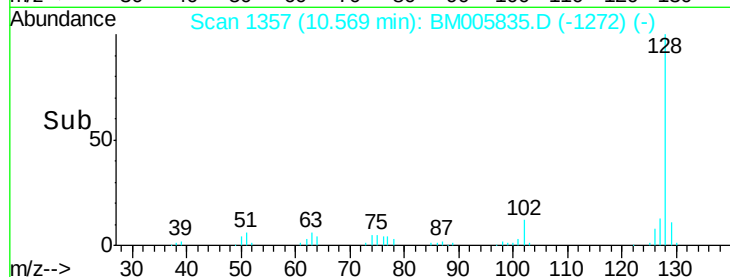
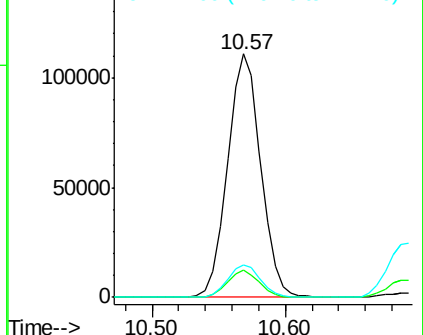
127 13.2 10.9 16.3



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: 45.56 ng/ul

RT: 12.19 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BM005835.D

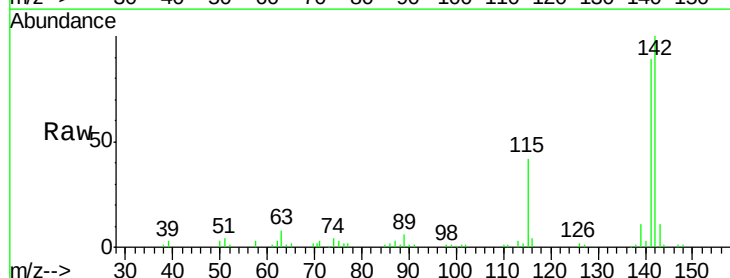
Acq: 16 Jun 2016 18:50

Tgt Ion:142 Resp: 148106

Ion Ratio Lower Upper

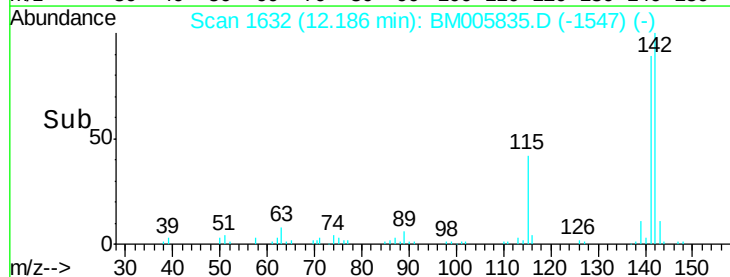
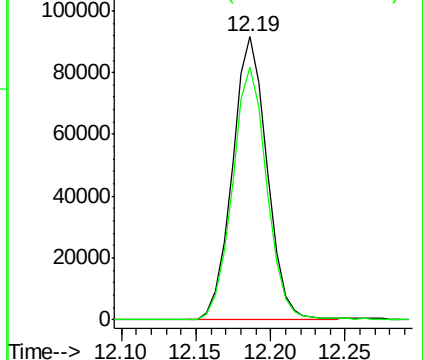
142 100

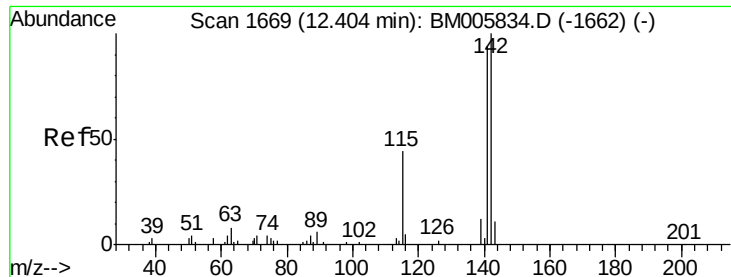
141 89.1 70.2 105.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

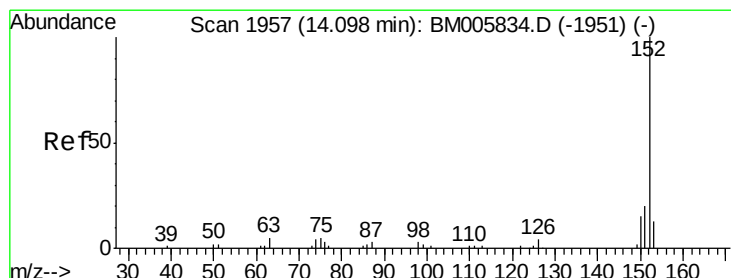
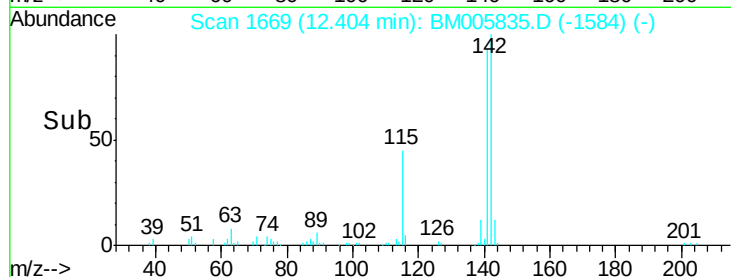
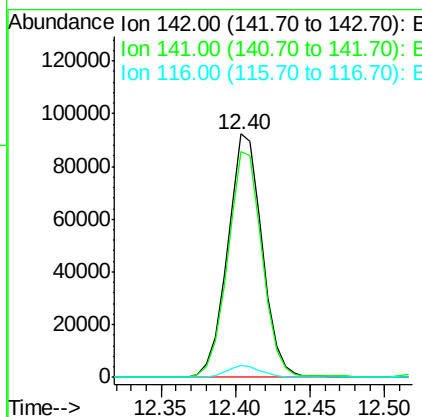
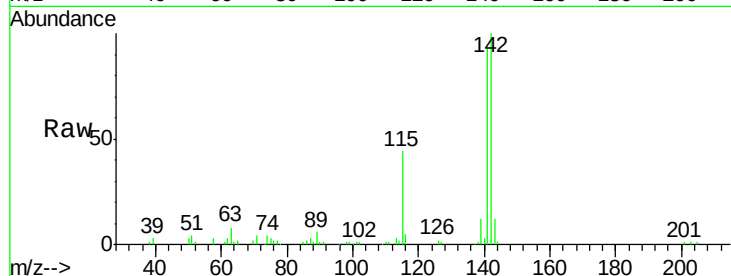




#14
1-Methylnaphthalene
Concen: 44.96 ng/ul
RT: 12.40 min Scan# 1669
Delta R.T. 0.00 min
Lab File: BM005835.D
Acq: 16 Jun 2016 18:50

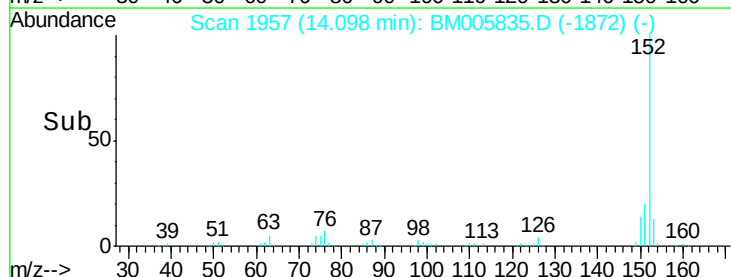
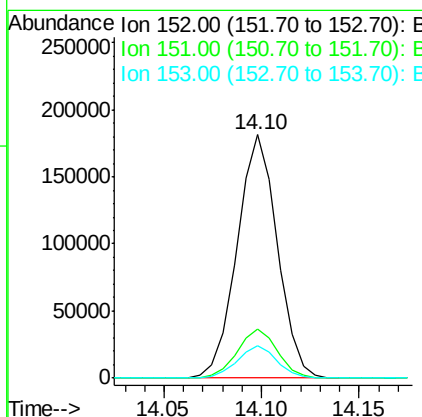
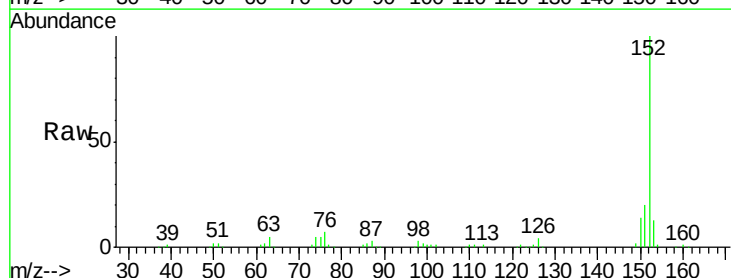
Instrument :
BNA_M
ClientSampleId :
SSTD04048

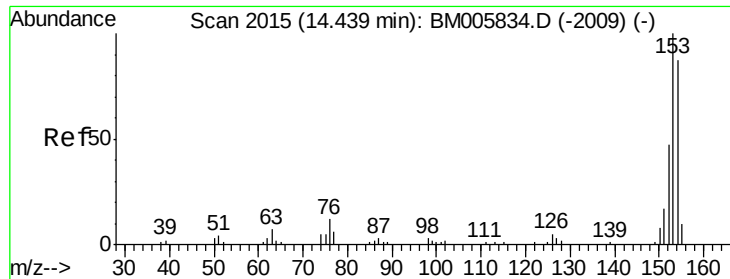
Tgt Ion:142 Resp: 148995
Ion Ratio Lower Upper
142 100
141 92.9 75.4 113.2
116 4.8 3.7 5.5



#18
Acenaphthylene
Concen: 42.90 ng/ul
RT: 14.10 min Scan# 1957
Delta R.T. 0.00 min
Lab File: BM005835.D
Acq: 16 Jun 2016 18:50

Tgt Ion:152 Resp: 258532
Ion Ratio Lower Upper
152 100
151 19.9 16.3 24.5
153 13.4 10.2 15.2





#19

Acenaphthene

Concen: 43.45 ng/ul

RT: 14.44 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BM005835.D

Acq: 16 Jun 2016 18:50

Instrument :

BNA_M

ClientSampleId :

SSTD04048

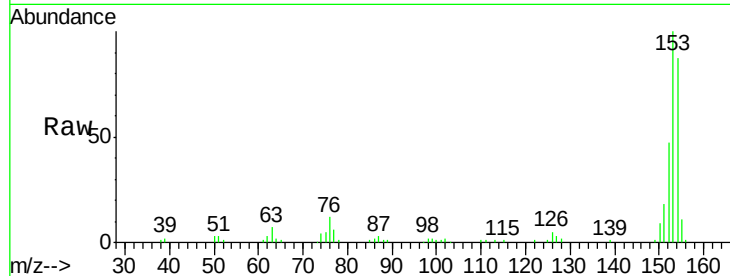
Tgt Ion:153 Resp: 172422

Ion Ratio Lower Upper

153 100

152 47.3 37.4 56.0

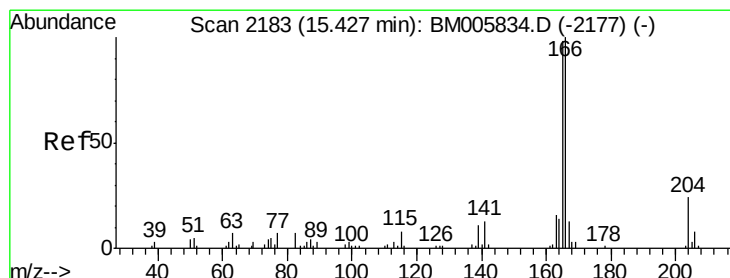
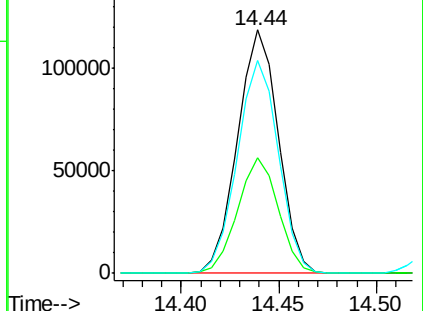
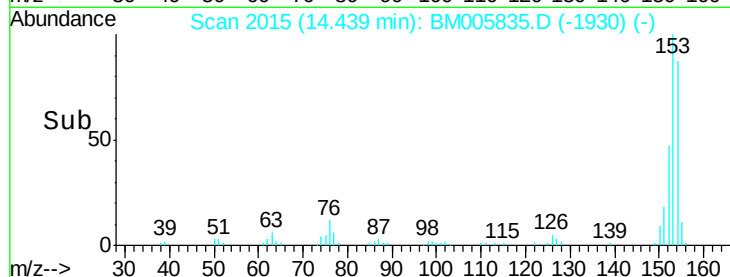
154 87.3 69.7 104.5



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: 46.83 ng/ul

RT: 15.43 min Scan# 2183

Delta R.T. 0.00 min

Lab File: BM005835.D

Acq: 16 Jun 2016 18:50

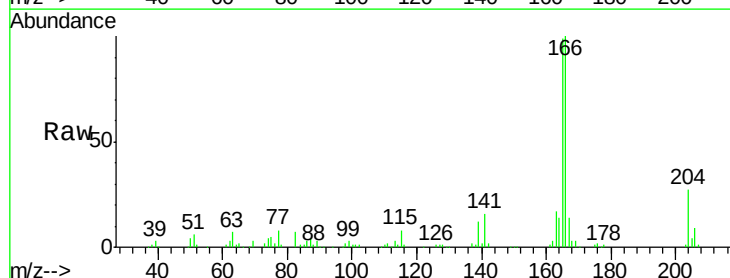
Tgt Ion:166 Resp: 206135

Ion Ratio Lower Upper

166 100

165 98.5 78.5 117.7

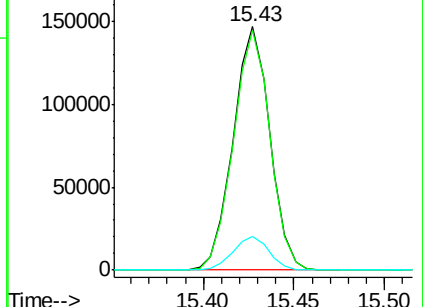
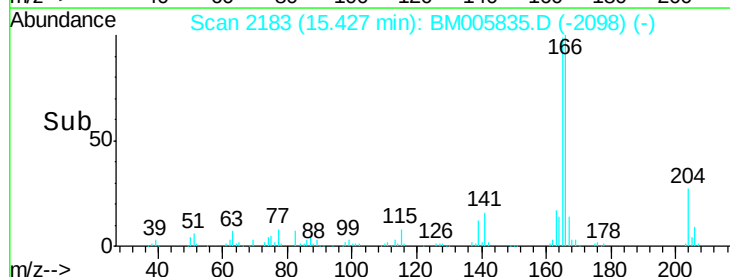
167 13.7 10.7 16.1

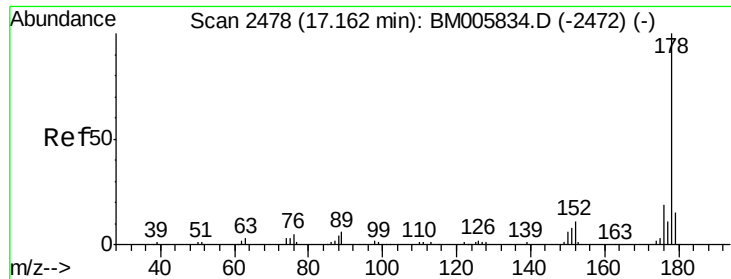


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 42.79 ng/ul

RT: 17.16 min Scan# 2478

Delta R.T. 0.00 min

Lab File: BM005835.D

Acq: 16 Jun 2016 18:50

Instrument :

BNA_M

ClientSampleId :

SSTD04048

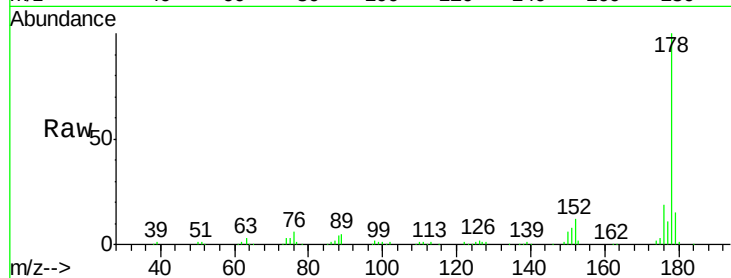
Tgt Ion:178 Resp: 342798

Ion Ratio Lower Upper

178 100

179 15.1 12.0 18.0

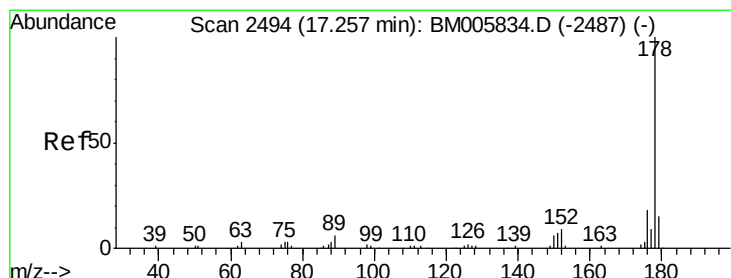
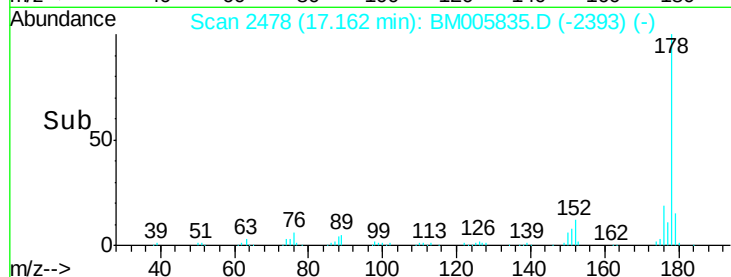
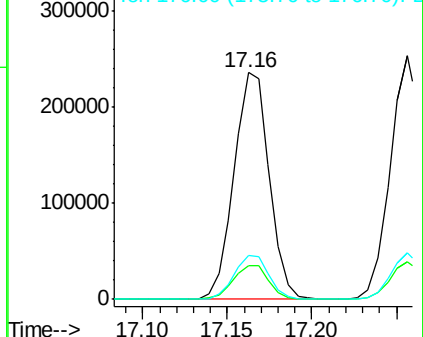
176 19.3 14.9 22.3



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: 44.22 ng/ul

RT: 17.26 min Scan# 2494

Delta R.T. 0.00 min

Lab File: BM005835.D

Acq: 16 Jun 2016 18:50

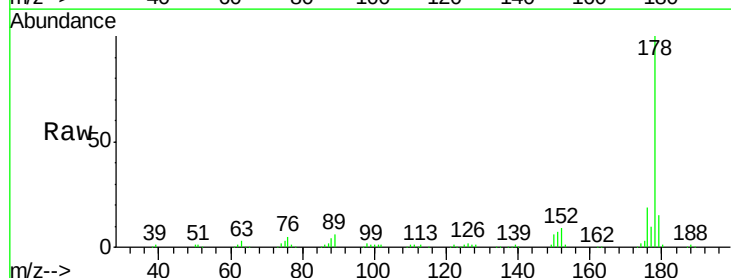
Tgt Ion:178 Resp: 352650

Ion Ratio Lower Upper

178 100

179 15.5 11.9 17.9

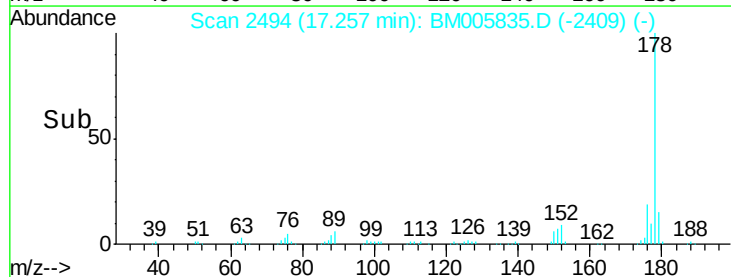
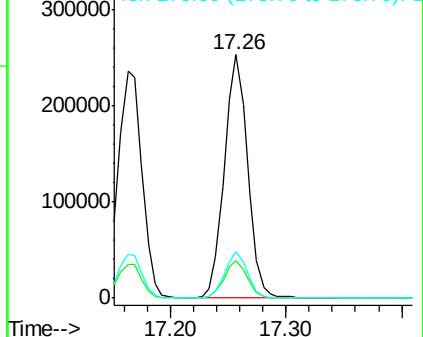
176 18.9 14.8 22.2

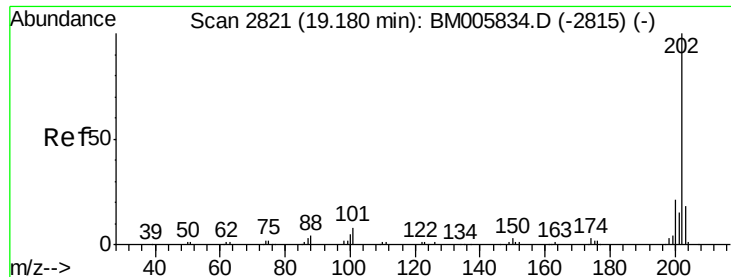


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

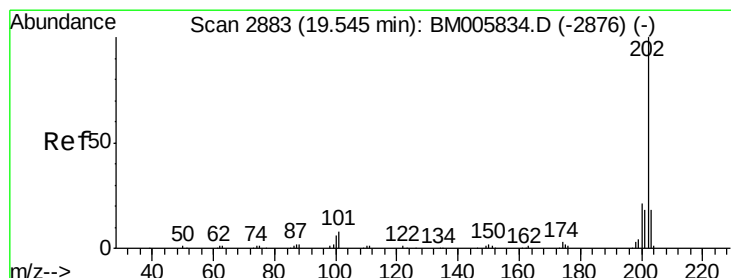
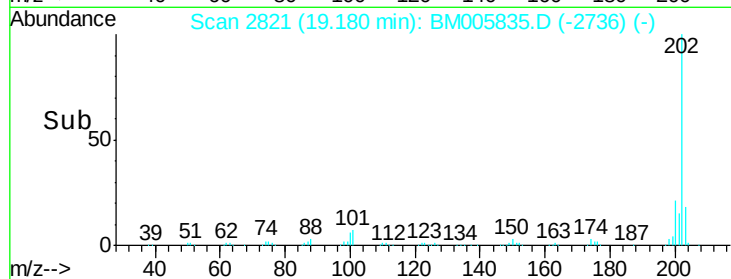
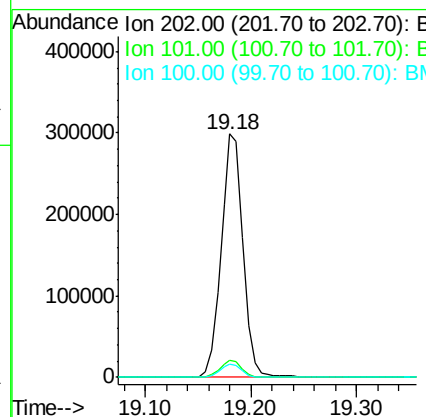
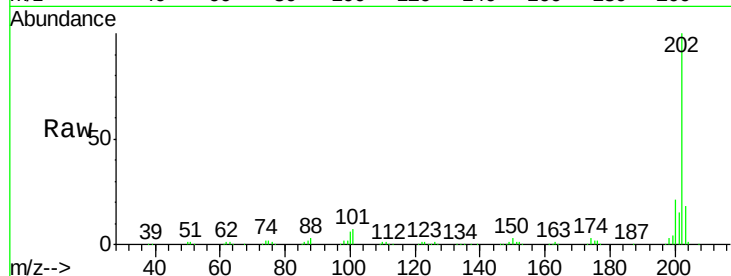




#28
Fluoranthene
Concen: 49.03 ng/ul
RT: 19.18 min Scan# 2821
Delta R.T. 0.00 min
Lab File: BM005835.D
Acq: 16 Jun 2016 18:50

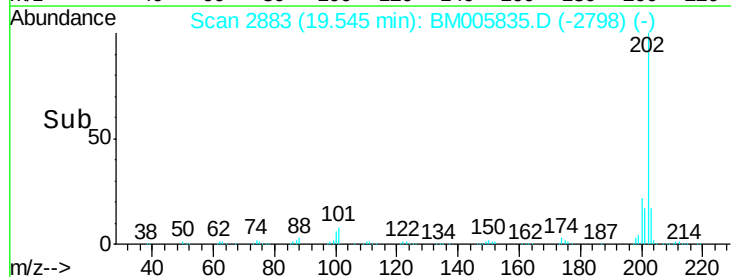
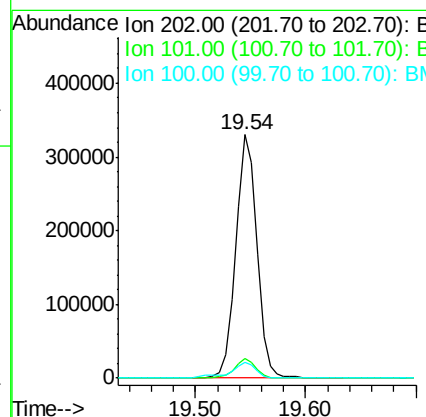
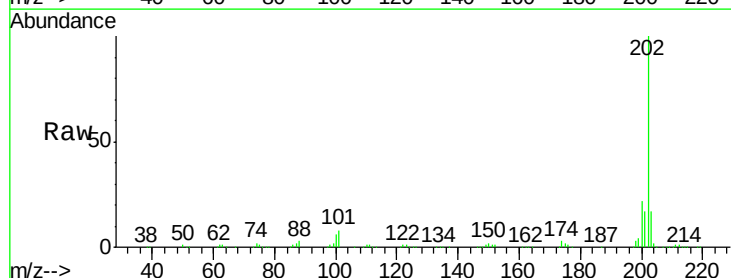
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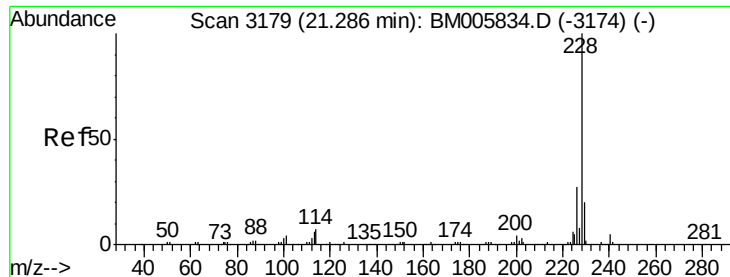
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	431364		
101	7.1		6.1	9.1
100	5.6		4.2	6.2



#31
Pyrene
Concen: 39.04 ng/ul
RT: 19.54 min Scan# 2883
Delta R.T. 0.00 min
Lab File: BM005835.D
Acq: 16 Jun 2016 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	445625		
101	8.0		6.5	9.7
100	6.4		5.4	8.2





#32

Benzo(a)anthracene

Concen: 42.79 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. 0.01 min

Lab File: BM005835.D

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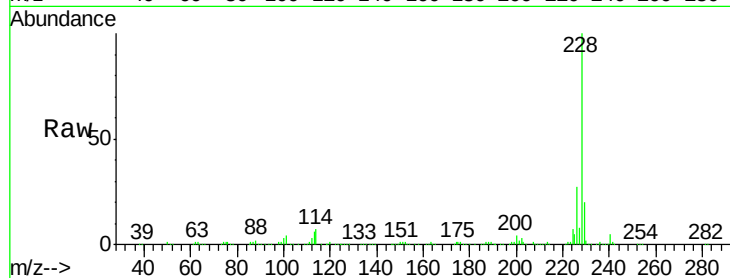
Tgt Ion:228 Resp: 465252

Ion Ratio Lower Upper

228 100

229 19.8 15.8 23.6

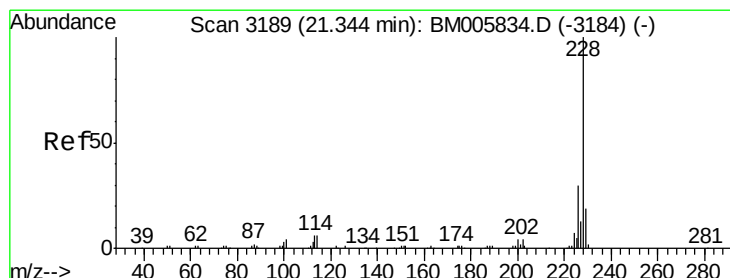
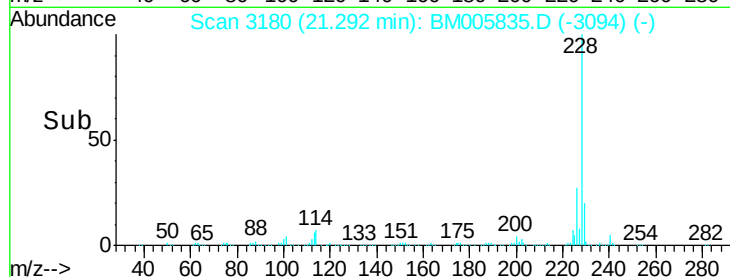
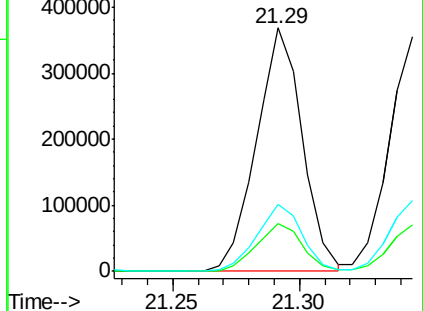
226 27.3 21.8 32.6



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: 42.20 ng/ul

RT: 21.34 min Scan# 3189

Delta R.T. 0.00 min

Lab File: BM005835.D

Acq: 16 Jun 2016 18:50

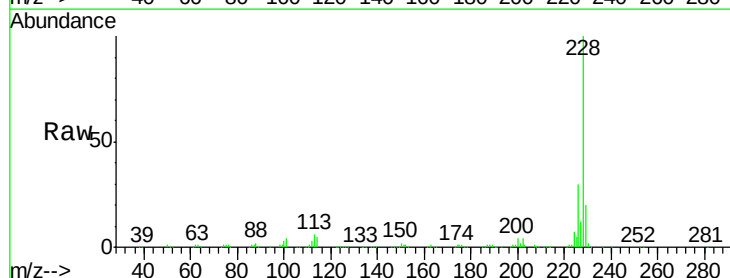
Tgt Ion:228 Resp: 451369

Ion Ratio Lower Upper

228 100

226 30.4 23.5 35.3

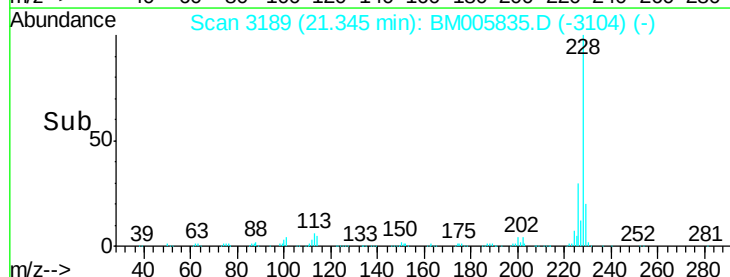
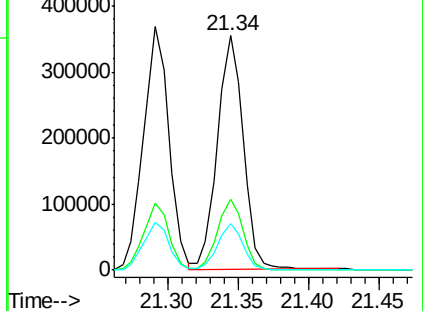
229 19.7 15.4 23.0

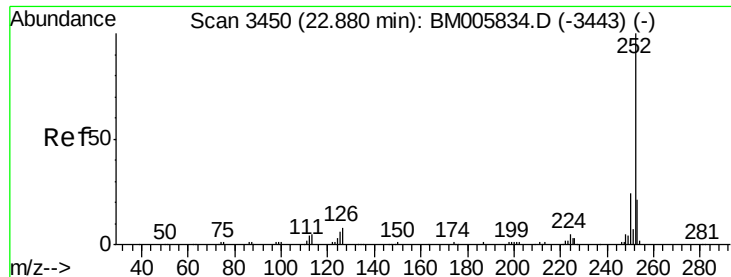


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 40.80 ng/ul

RT: 22.89 min Scan# 3451

Delta R.T. 0.01 min

Lab File: BM005835.D

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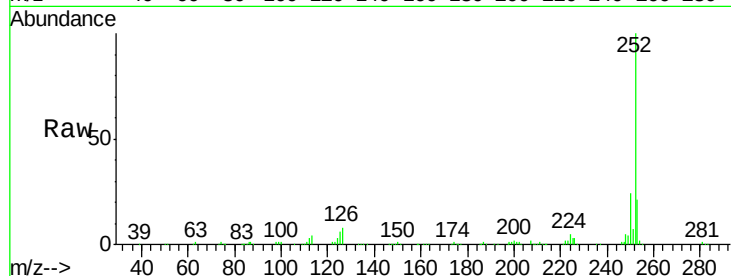
Tgt Ion:252 Resp: 504448

Ion Ratio Lower Upper

252 100

253 21.5 17.1 25.7

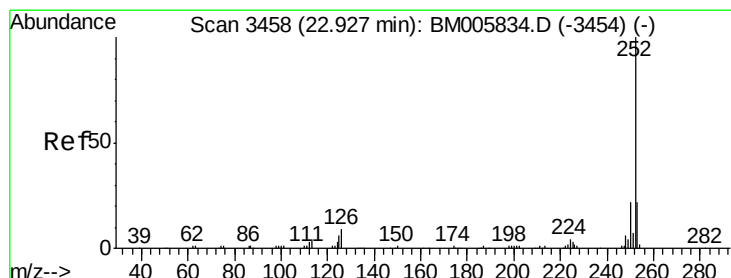
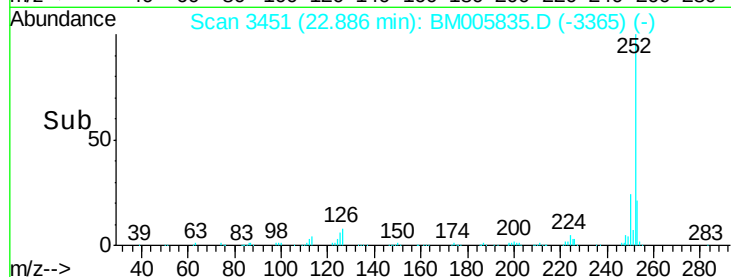
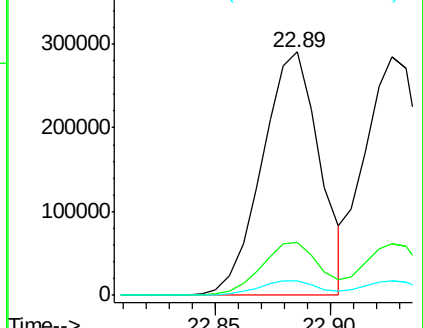
125 6.0 4.9 7.3



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: 43.10 ng/ul

RT: 22.93 min Scan# 3458

Delta R.T. 0.00 min

Lab File: BM005835.D

Acq: 16 Jun 2016 18:50

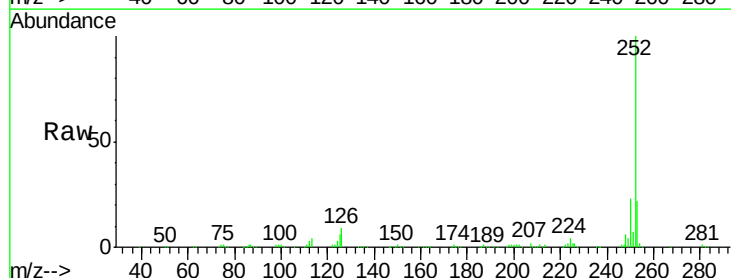
Tgt Ion:252 Resp: 496530

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

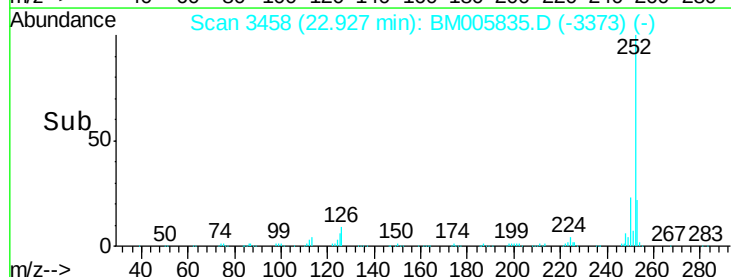
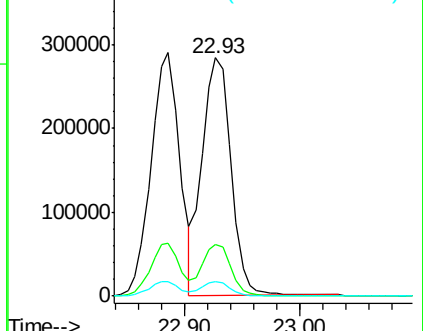
125 6.0 4.8 7.2

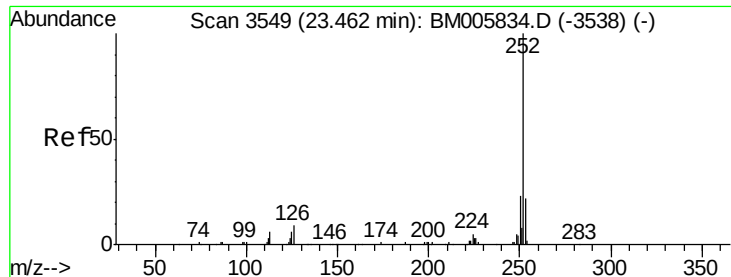


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 42.08 ng/ul

RT: 23.47 min Scan# 3550

Delta R.T. 0.01 min

Lab File: BM005835.D

Acq: 16 Jun 2016 18:50

Instrument :

BNA_M

ClientSampleId :

SSTD04048

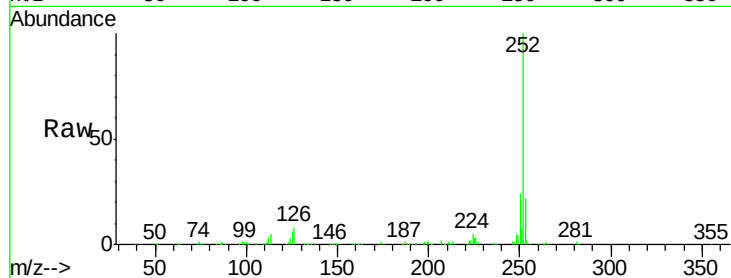
Tgt Ion:252 Resp: 501334

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

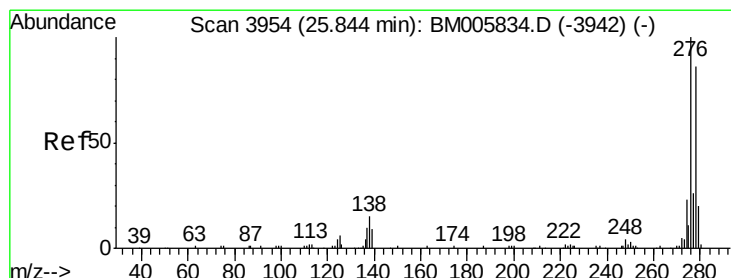
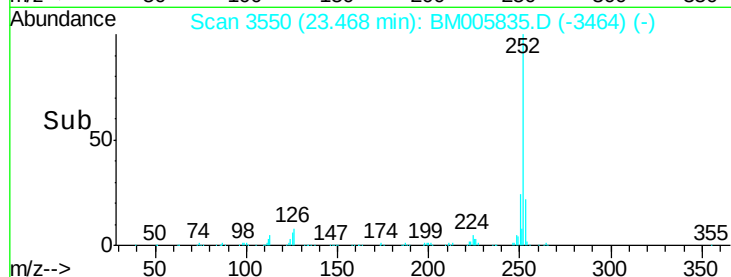
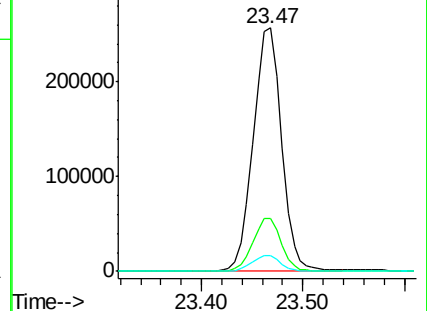
125 6.3 5.1 7.7



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: 44.62 ng/ul

RT: 25.86 min Scan# 3956

Delta R.T. 0.01 min

Lab File: BM005835.D

Acq: 16 Jun 2016 18:50

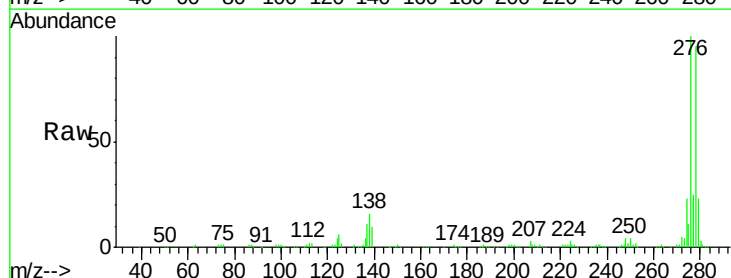
Tgt Ion:276 Resp: 611776

Ion Ratio Lower Upper

276 100

138 16.0 11.9 17.9

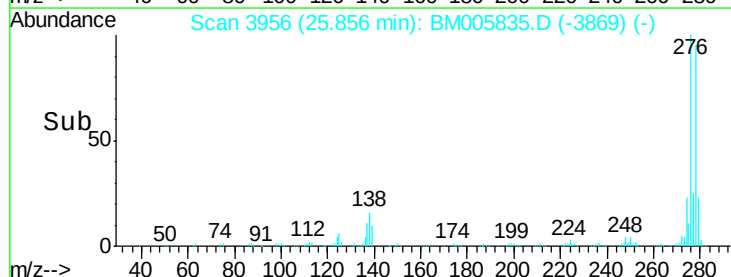
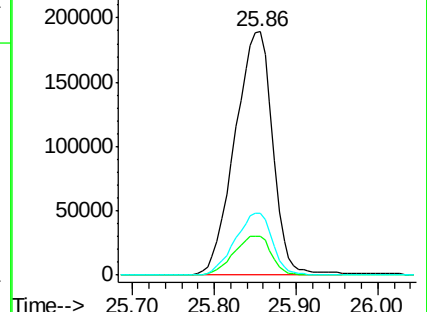
277 25.1 21.0 31.6

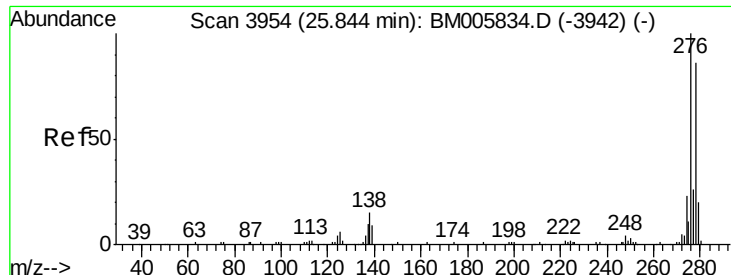


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 44.05 ng/ul

RT: 25.85 min Scan# 3955

Delta R.T. 0.01 min

Lab File: BM005835.D

Acq: 16 Jun 2016 18:50

Instrument :

BNA_M

ClientSampleId :

SSTD04048

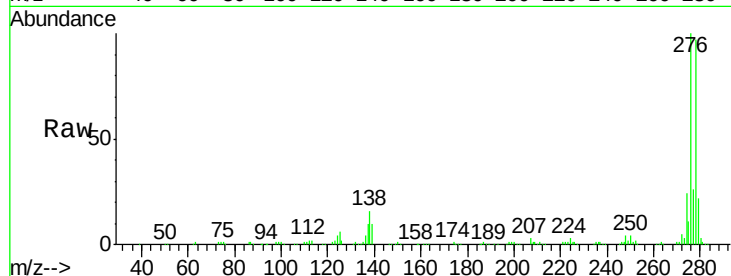
Tgt Ion:278 Resp: 504544

Ion Ratio Lower Upper

278 100

139 10.8 8.2 12.4

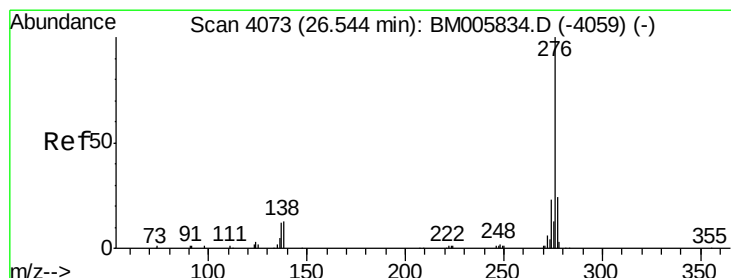
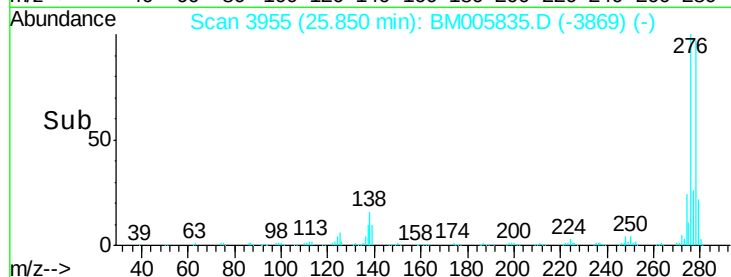
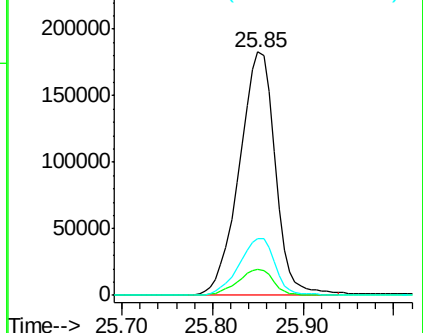
279 23.2 18.6 27.8



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: 43.93 ng/ul

RT: 26.54 min Scan# 4073

Delta R.T. 0.00 min

Lab File: BM005835.D

Acq: 16 Jun 2016 18:50

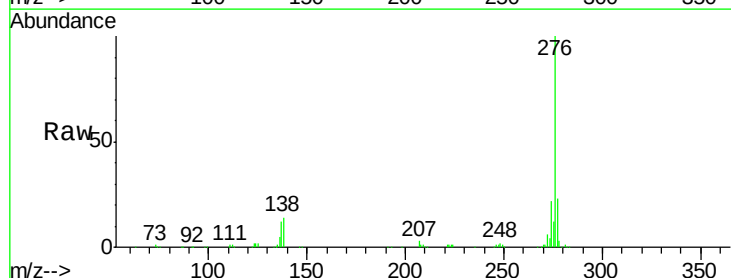
Tgt Ion:276 Resp: 521288

Ion Ratio Lower Upper

276 100

138 13.6 10.6 15.8

277 23.1 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

