

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061716\
 Data File : BM005839.D
 Acq On : 16 Jun 2016 22:02
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02051

Quant Time: Jun 17 01:48:51 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 17 01:45:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	15810	20.00	ng/ul	0.00
7) Naphthalene-d8	10.52	136	75474	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.37	164	52300	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.12	188	130711	20.00	ng/ul	0.00
29) Chrysene-d12	21.30	240	168928	20.00	ng/ul	0.00
34) Perylene-d12	23.56	264	186117	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	2379	19.49	ng/uL	0.00
3) Phenol-d5	6.91	99	24750	18.70	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.06	67	13313	19.40	ng/ul	0.00
5) 2-Chlorophenol-d4	7.26	132	21715	19.28	ng/ul	0.00
6) 4-Methylphenol-d8	8.45	113	23132	19.55	ng/ul	0.00
8) Nitrobenzene-d5	8.89	128	10756	20.19	ng/ul	0.00
9) 2-Nitrophenol-d4	9.61	143	13694	21.04	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.16	165	25879	20.13	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	17817	20.48	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	97719	19.75	ng/ul	0.00
17) Acenaphthylene-d8	14.07	160	111886	19.63	ng/ul	0.00
20) 4-Nitrophenol-d4	14.62	143	10703	17.95	ng/ul	0.00
21) Fluorene-d10	15.37	176	81719	19.38	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	16268	18.44	ng/ul	0.00
26) Anthracene-d10	17.22	188	133103	19.50	ng/ul	0.00
30) Pyrene-d10	19.52	212	157535	19.67	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.41	264	184306	19.81	ng/ul	0.00

Target Compounds

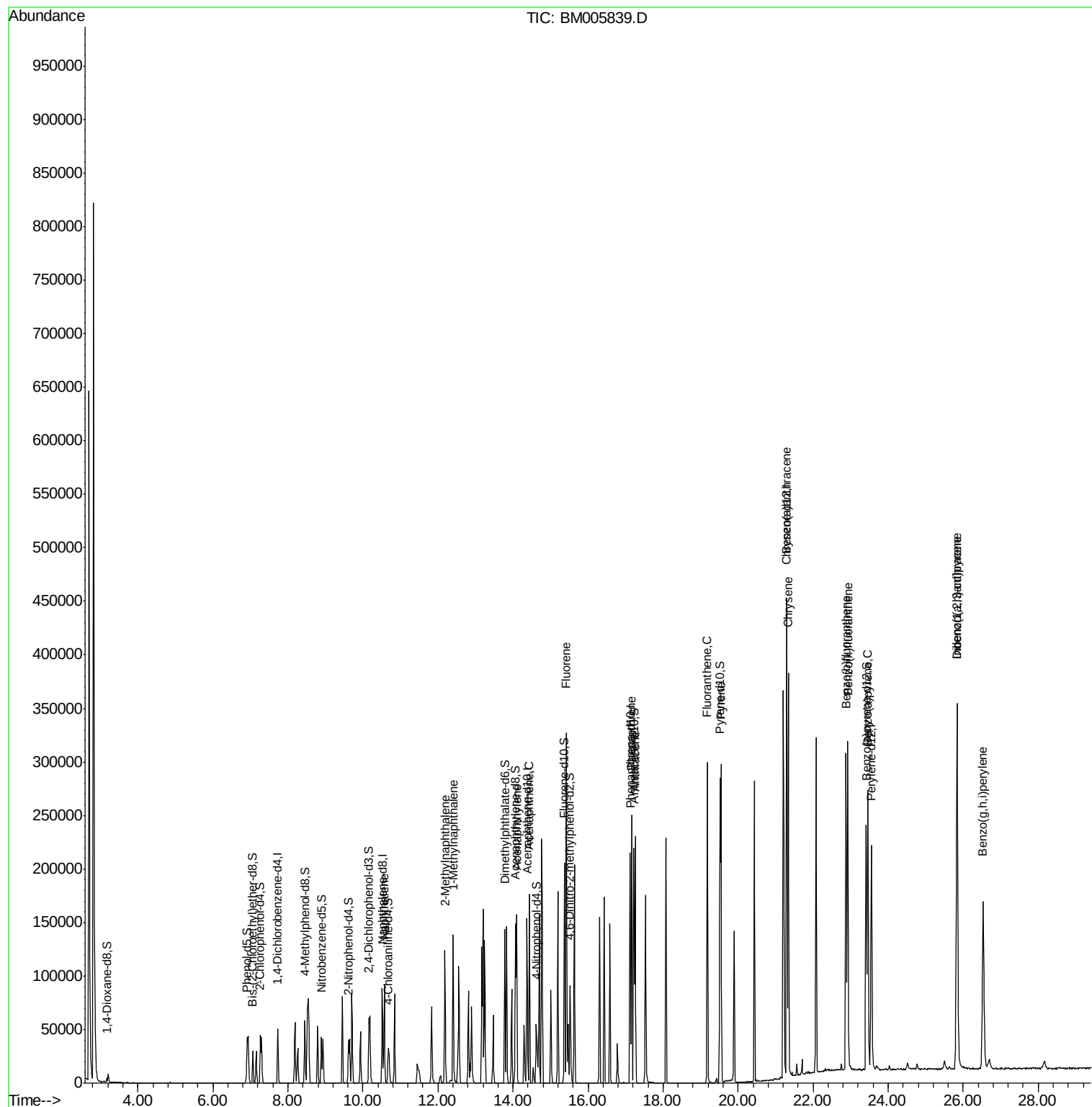
						Qvalue
11) Naphthalene	10.57	128	78783	19.48	ng/ul	99
13) 2-Methylnaphthalene	12.19	142	61702	20.01	ng/ul	99
14) 1-Methylnaphthalene	12.40	142	63419	19.76	ng/ul	98
18) Acenaphthylene	14.10	152	113176	19.61	ng/ul	99
19) Acenaphthene	14.44	153	74873	19.44	ng/ul	98
22) Fluorene	15.42	166	90926	19.47	ng/ul	100
25) Phenanthrene	17.16	178	152668	19.62	ng/ul	99
27) Anthracene	17.26	178	157762	19.83	ng/ul	99
28) Fluoranthene	19.18	202	190985	19.53	ng/ul	99
31) Pyrene	19.54	202	199587	19.99	ng/ul	99
32) Benzo(a)anthracene	21.29	228	209105	19.82	ng/ul	100
33) Chrysene	21.34	228	201796	19.86	ng/ul	100
35) Benzo(b)fluoranthene	22.88	252	223323	19.28	ng/ul	99
36) Benzo(k)fluoranthene	22.92	252	226515	20.25	ng/ul	99
38) Benzo(a)pyrene	23.46	252	225592	19.83	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.84	276	272619	19.61	ng/ul	97
40) Dibenzo(a,h)anthracene	25.84	278	225298	19.71	ng/ul	99
41) Benzo(g,h,i)perylene	26.53	276	231752	19.58	ng/ul	97

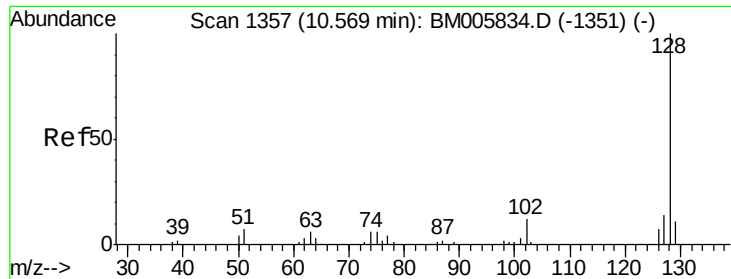
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061716\
Data File : BM005839.D
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Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02051

Quant Time: Jun 17 01:48:51 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
Quant Title : SVOA CALIBRATION
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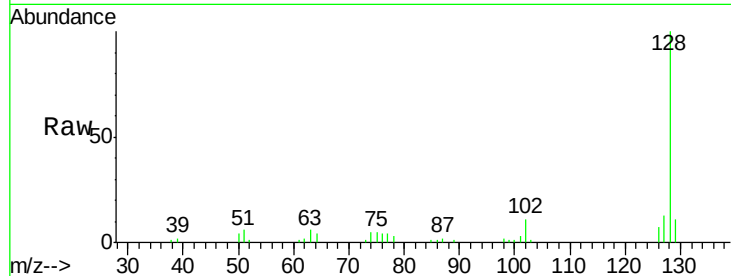




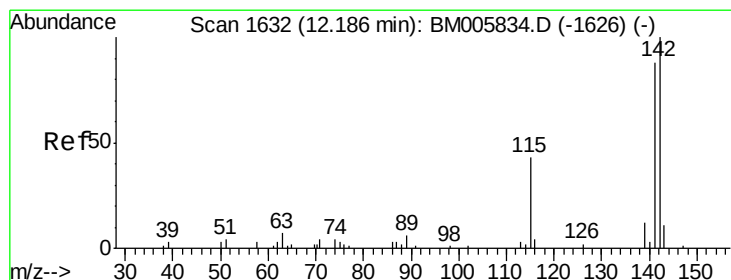
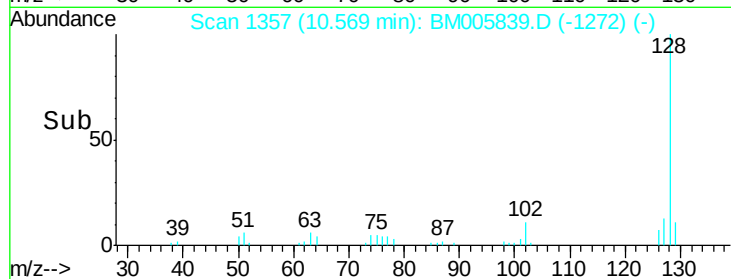
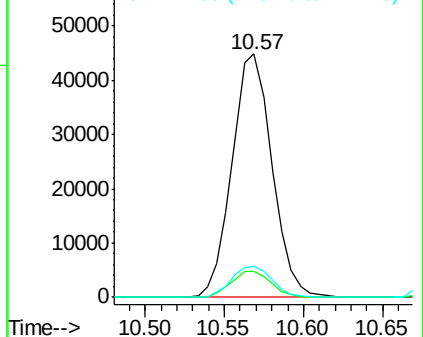
#11
Naphthalene
Concen: 19.48 ng/ul
RT: 10.57 min Scan# 1357
Delta R.T. 0.00 min
Lab File: BM005839.D
Acq: 16 Jun 2016 22:02

Instrument :
BNA_M
ClientSampleId :
SSTD02051

Tgt Ion:128 Resp: 78783
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 12.9 10.9 16.3

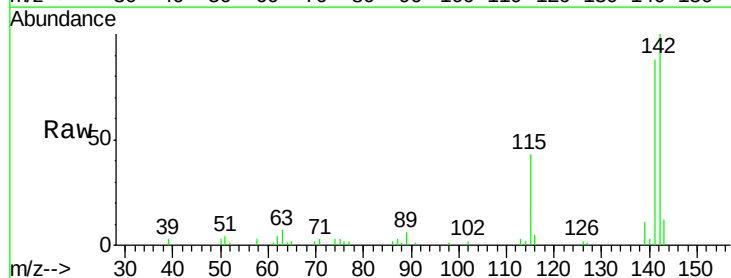


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

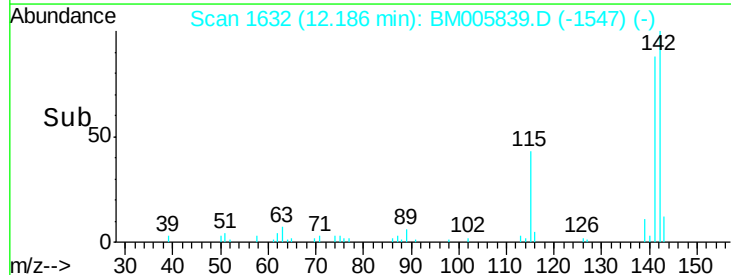
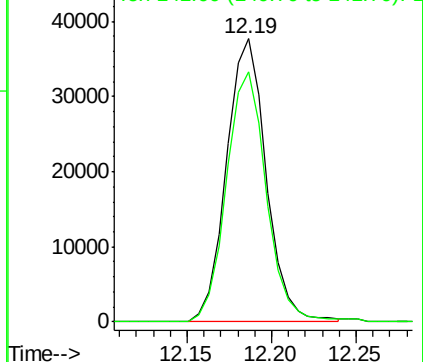


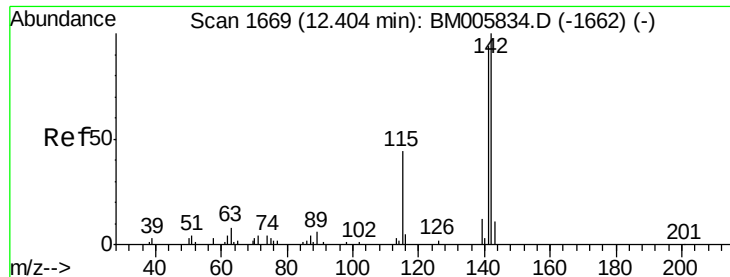
#13
2-Methylnaphthalene
Concen: 20.01 ng/ul
RT: 12.19 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BM005839.D
Acq: 16 Jun 2016 22:02

Tgt Ion:142 Resp: 61702
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

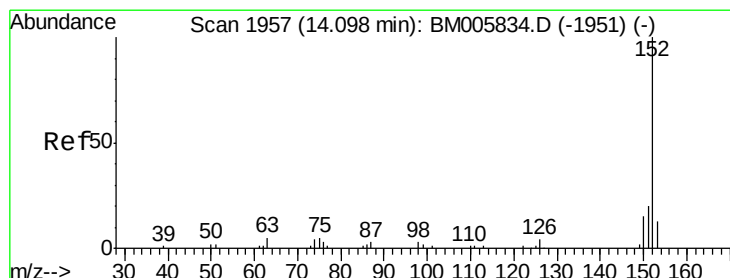
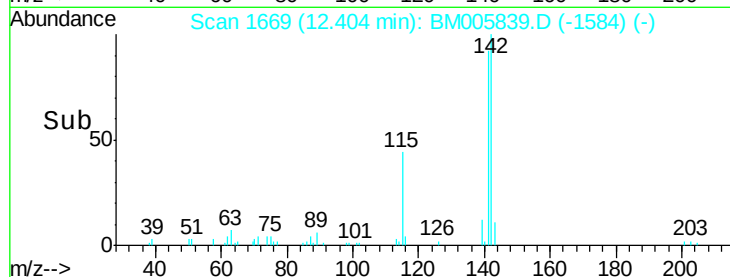
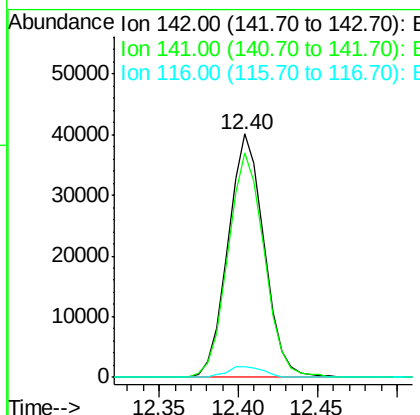
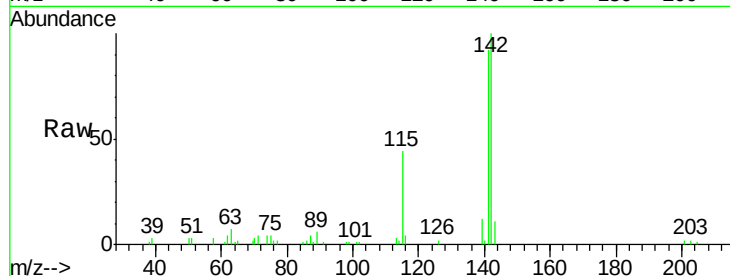




#14
1-Methylnaphthalene
Concen: 19.76 ng/ul
RT: 12.40 min Scan# 1669
Delta R.T. 0.00 min
Lab File: BM005839.D
Acq: 16 Jun 2016 22:02

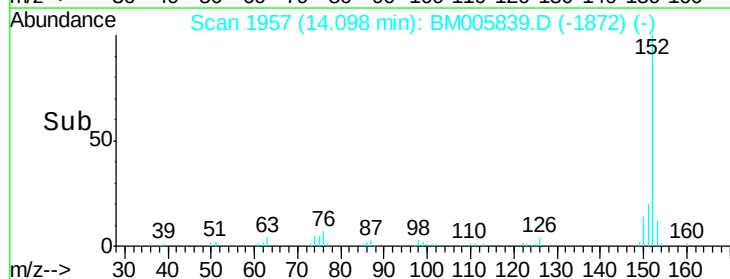
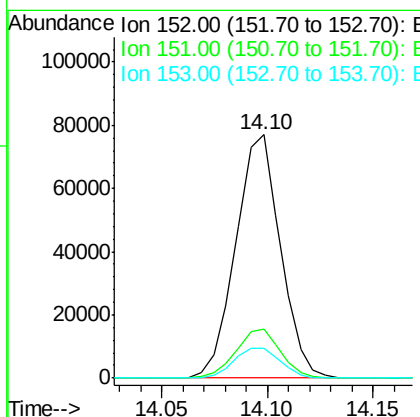
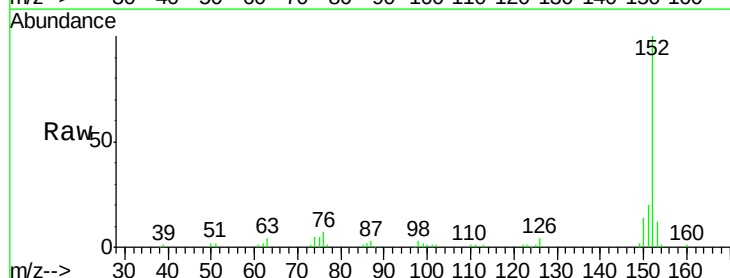
Instrument :
BNA_M
ClientSampleId :
SSTD02051

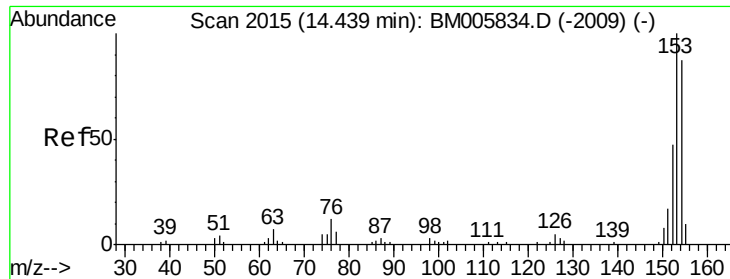
Tgt Ion:142 Resp: 63419
Ion Ratio Lower Upper
142 100
141 92.2 75.4 113.2
116 4.5 3.7 5.5



#18
Acenaphthylene
Concen: 19.61 ng/ul
RT: 14.10 min Scan# 1957
Delta R.T. 0.00 min
Lab File: BM005839.D
Acq: 16 Jun 2016 22:02

Tgt Ion:152 Resp: 113176
Ion Ratio Lower Upper
152 100
151 19.9 16.3 24.5
153 12.4 10.2 15.2





#19

Acenaphthene

Concen: 19.44 ng/ul

RT: 14.44 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BM005839.D

Acq: 16 Jun 2016 22:02

Instrument :

BNA_M

ClientSampleId :

SSTD02051

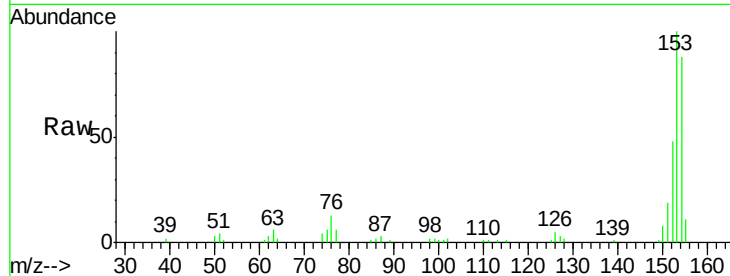
Tgt Ion:153 Resp: 74873

Ion Ratio Lower Upper

153 100

152 48.0 37.4 56.0

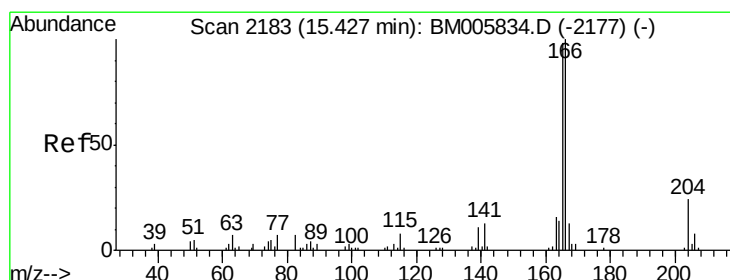
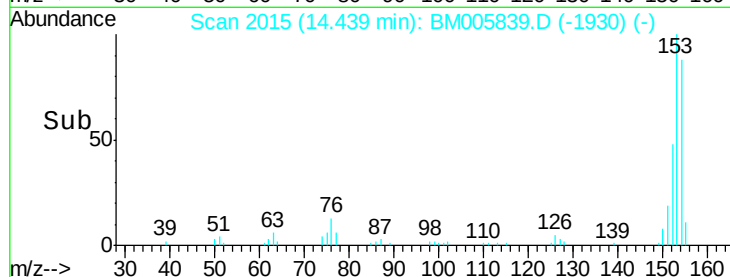
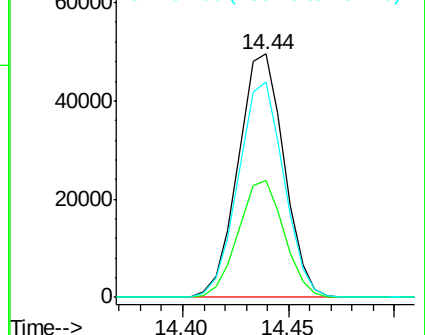
154 88.5 69.7 104.5



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: 19.47 ng/ul

RT: 15.42 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BM005839.D

Acq: 16 Jun 2016 22:02

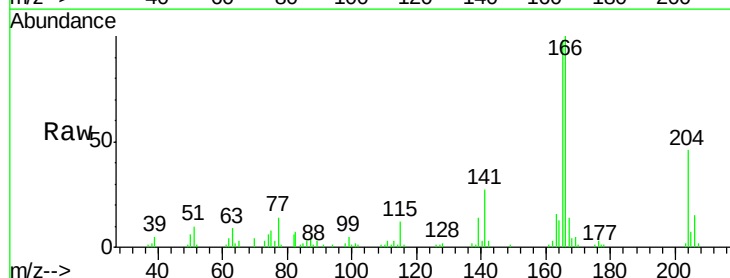
Tgt Ion:166 Resp: 90926

Ion Ratio Lower Upper

166 100

165 98.5 78.5 117.7

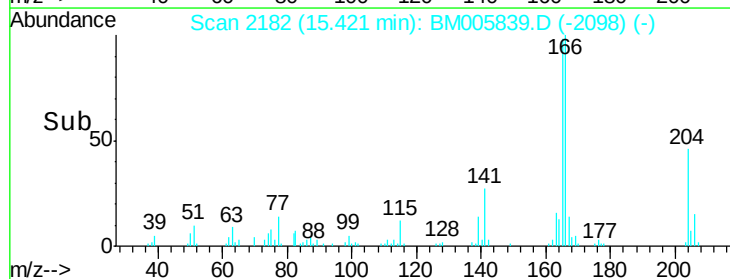
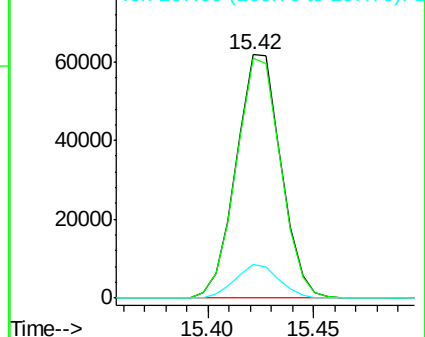
167 13.6 10.7 16.1

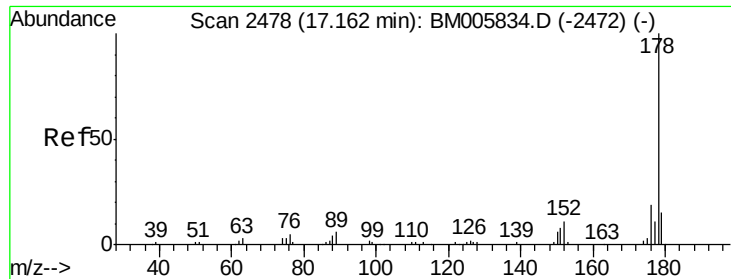


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 19.62 ng/ul

RT: 17.16 min Scan# 2478

Delta R.T. 0.00 min

Lab File: BM005839.D

Acq: 16 Jun 2016 22:02

Instrument :

BNA_M

ClientSampleId :

SSTD02051

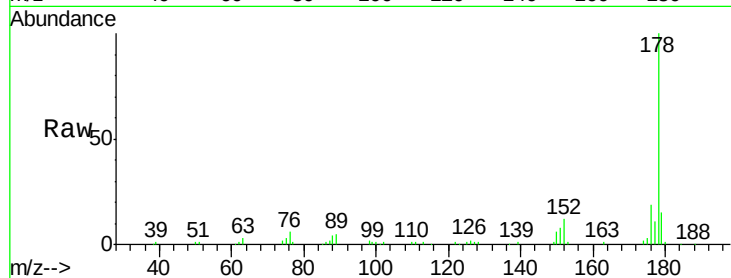
Tgt Ion:178 Resp: 152668

Ion Ratio Lower Upper

178 100

179 15.1 12.0 18.0

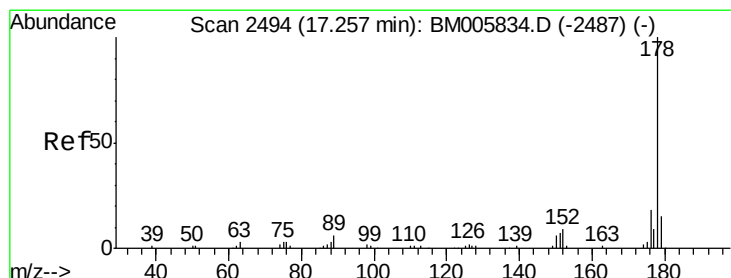
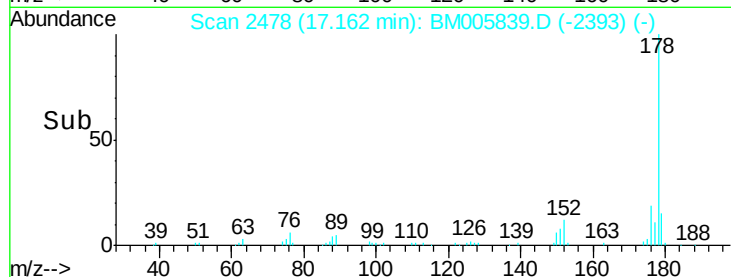
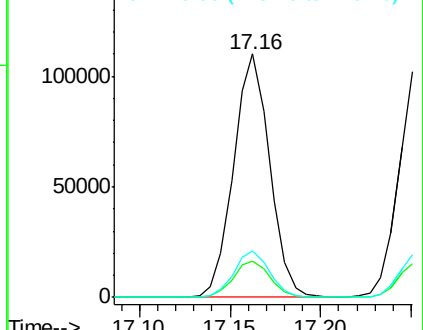
176 19.1 14.9 22.3



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: 19.83 ng/ul

RT: 17.26 min Scan# 2494

Delta R.T. 0.00 min

Lab File: BM005839.D

Acq: 16 Jun 2016 22:02

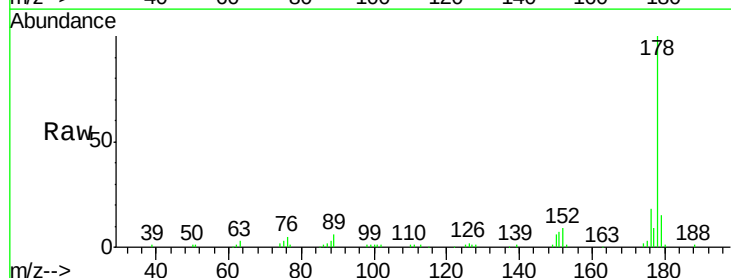
Tgt Ion:178 Resp: 157762

Ion Ratio Lower Upper

178 100

179 14.7 11.9 17.9

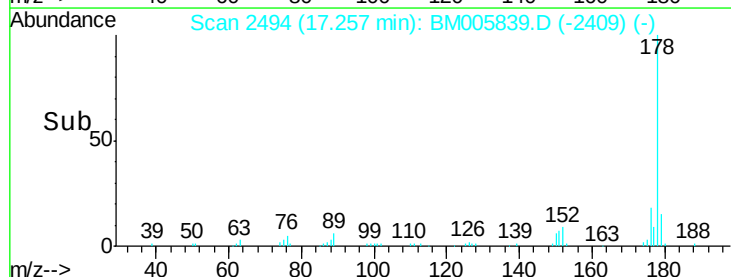
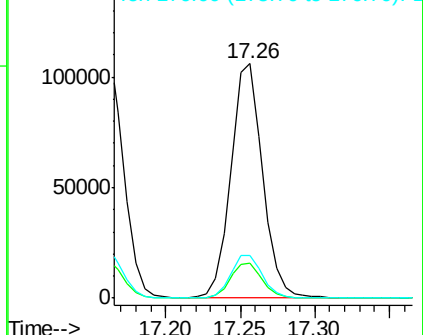
176 18.0 14.8 22.2

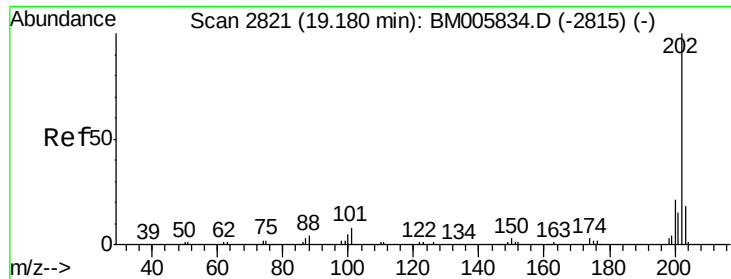


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

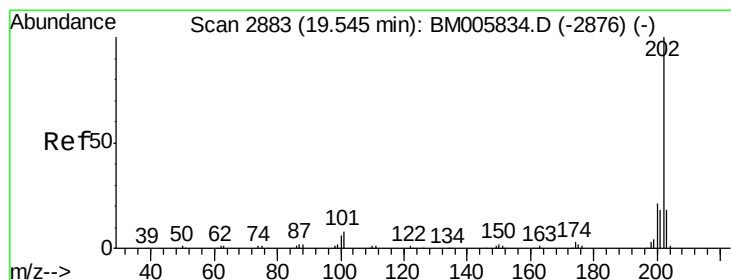
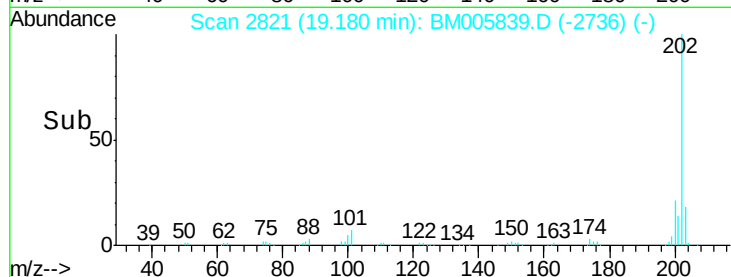
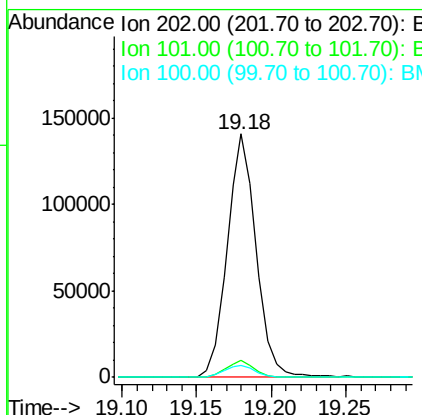
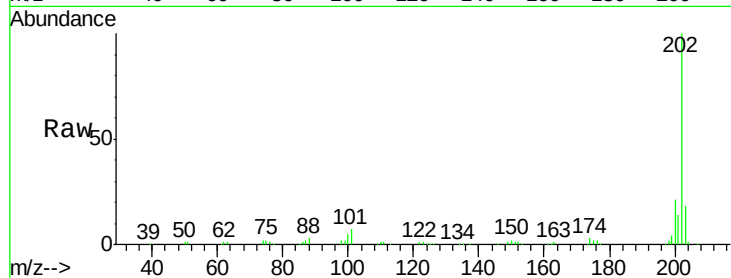




#28
Fluoranthene
 Concen: 19.53 ng/ul
 RT: 19.18 min Scan# 2821
 Delta R.T. 0.00 min
 Lab File: BM005839.D
 Acq: 16 Jun 2016 22:02

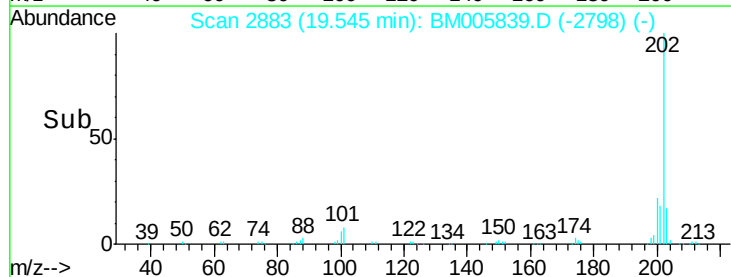
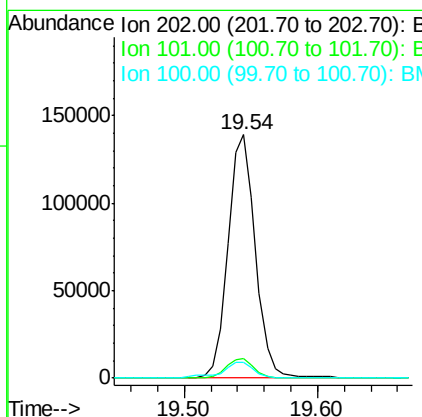
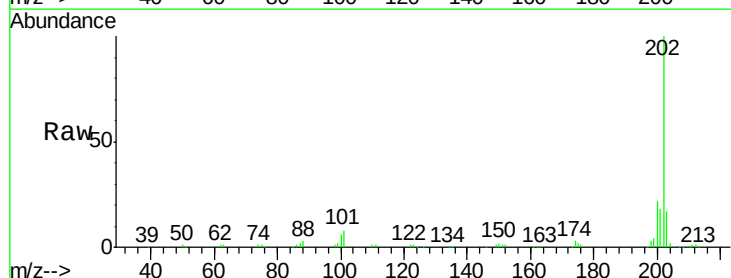
Instrument :
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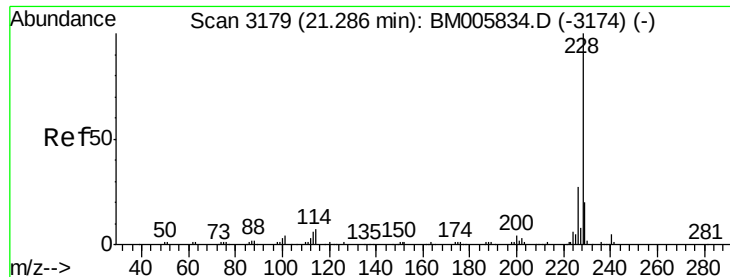
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	190985		
101	6.9		6.1	9.1
100	5.0		4.2	6.2



#31
Pyrene
 Concen: 19.99 ng/ul
 RT: 19.54 min Scan# 2883
 Delta R.T. 0.00 min
 Lab File: BM005839.D
 Acq: 16 Jun 2016 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	199587		
101	8.1		6.5	9.7
100	6.4		5.4	8.2





#32

Benzo(a)anthracene

Concen: 19.82 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BM005839.D

Acq: 16 Jun 2016 22:02

Instrument :

BNA_M

ClientSampleId :

SSTD02051

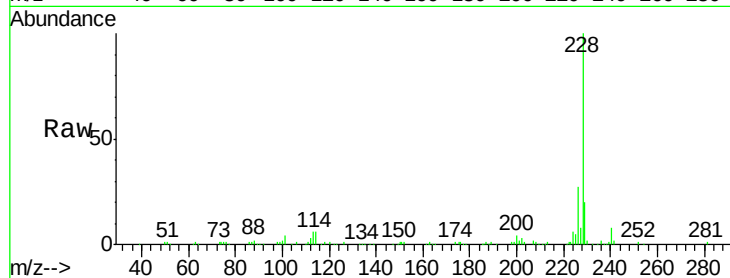
Tgt Ion:228 Resp: 209105

Ion Ratio Lower Upper

228 100

229 19.6 15.8 23.6

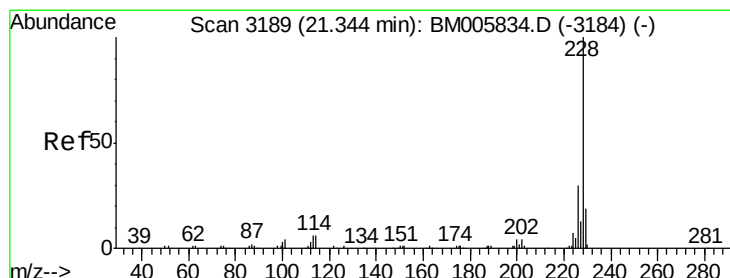
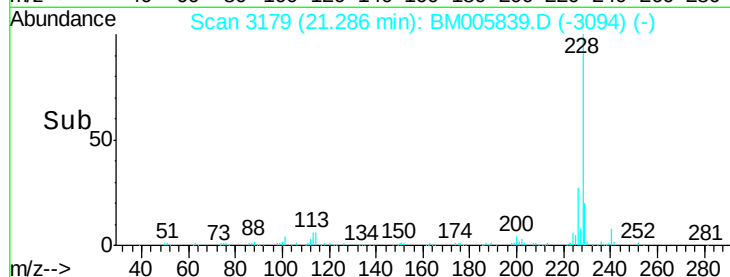
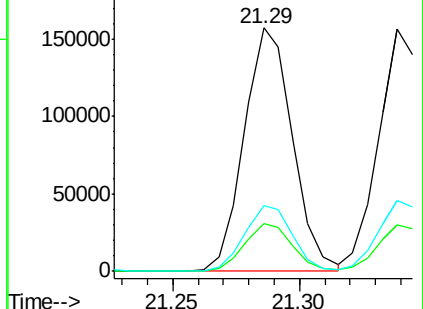
226 27.2 21.8 32.6



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: 19.86 ng/ul

RT: 21.34 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BM005839.D

Acq: 16 Jun 2016 22:02

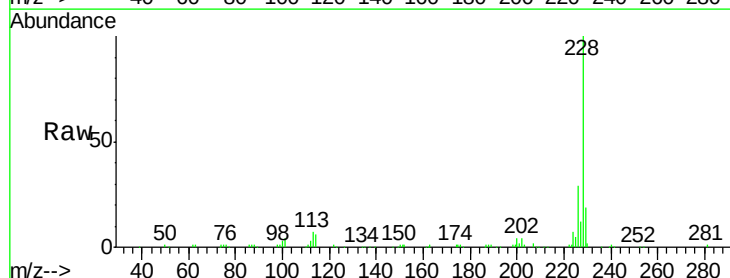
Tgt Ion:228 Resp: 201796

Ion Ratio Lower Upper

228 100

226 29.2 23.5 35.3

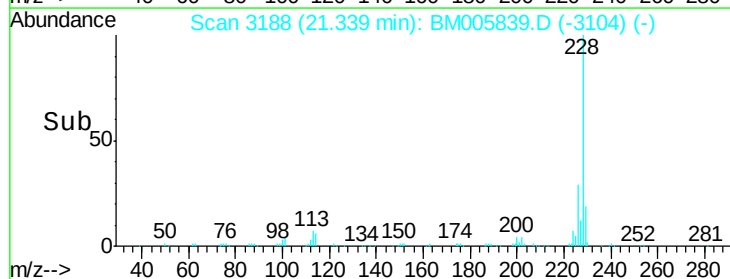
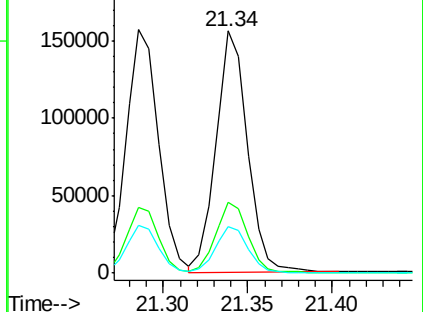
229 19.3 15.4 23.0

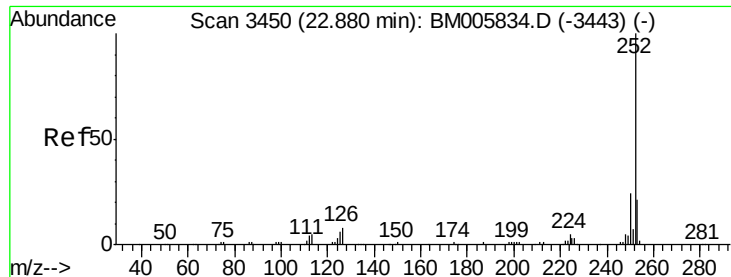


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 19.28 ng/ul

RT: 22.88 min Scan# 3450

Delta R.T. 0.00 min

Lab File: BM005839.D

Acq: 16 Jun 2016 22:02

Instrument :

BNA_M

ClientSampleId :

SSTD02051

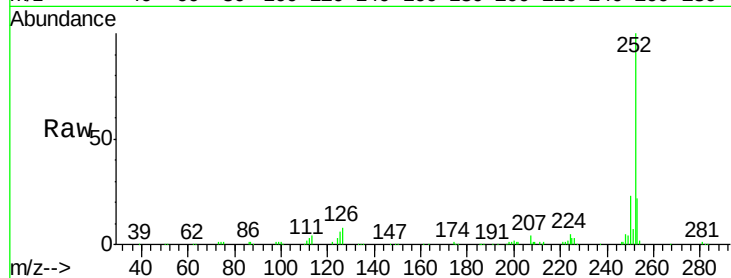
Tgt Ion:252 Resp: 223323

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

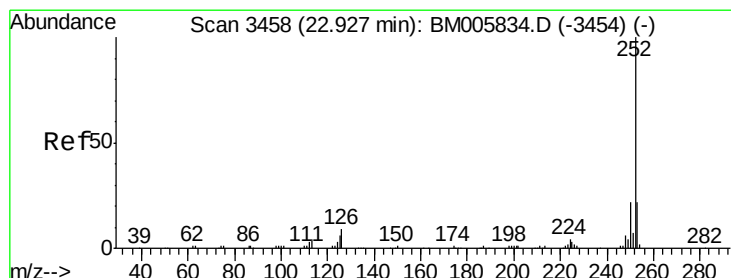
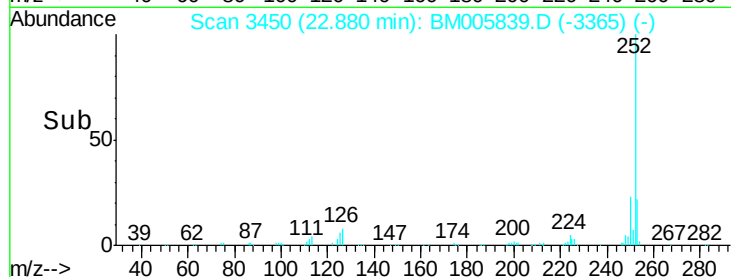
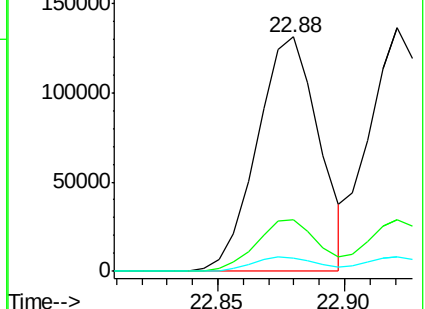
125 5.8 4.9 7.3



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: 20.25 ng/ul

RT: 22.92 min Scan# 3457

Delta R.T. -0.01 min

Lab File: BM005839.D

Acq: 16 Jun 2016 22:02

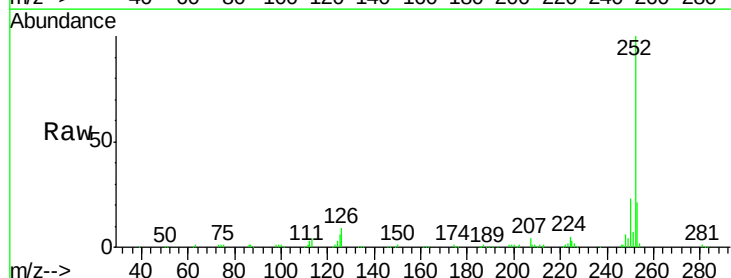
Tgt Ion:252 Resp: 226515

Ion Ratio Lower Upper

252 100

253 21.1 17.5 26.3

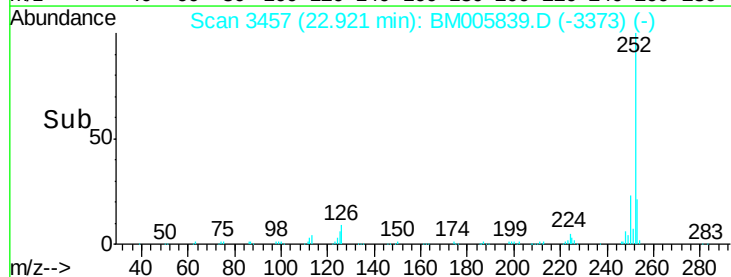
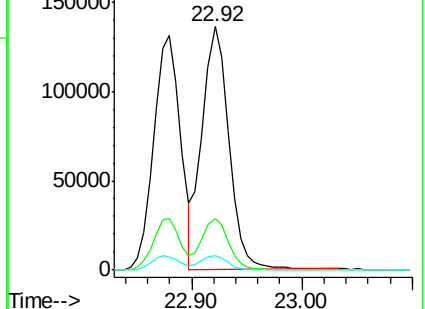
125 5.9 4.8 7.2

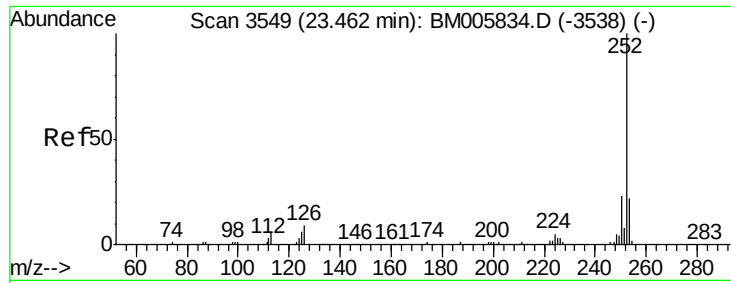


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 19.83 ng/ul

RT: 23.46 min Scan# 3548

Delta R.T. -0.01 min

Lab File: BM005839.D

Acq: 16 Jun 2016 22:02

Instrument :

BNA_M

ClientSampleId :

SSTD02051

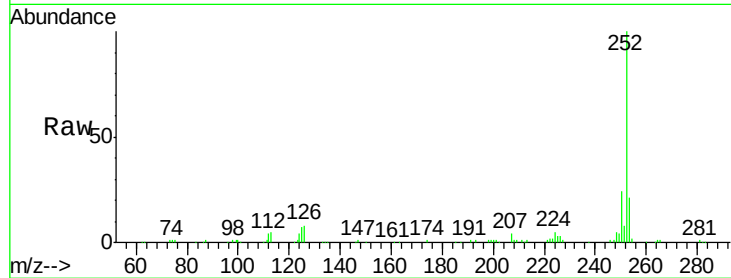
Tgt Ion:252 Resp: 225592

Ion Ratio Lower Upper

252 100

253 21.3 18.0 27.0

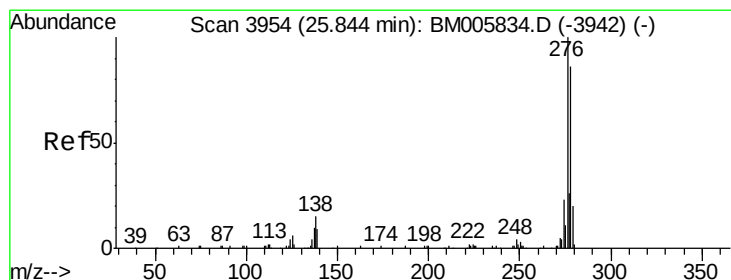
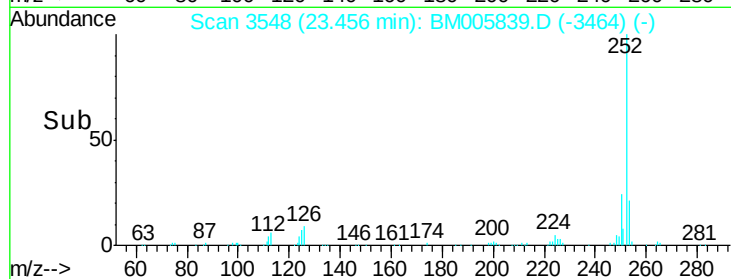
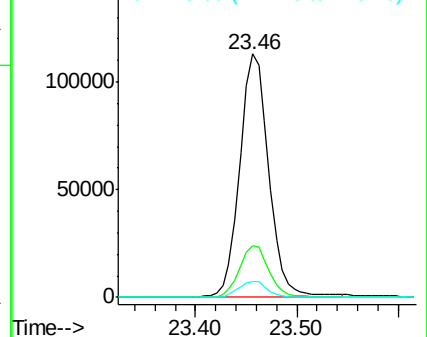
125 6.7 5.1 7.7



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: 19.61 ng/ul

RT: 25.84 min Scan# 3953

Delta R.T. -0.01 min

Lab File: BM005839.D

Acq: 16 Jun 2016 22:02

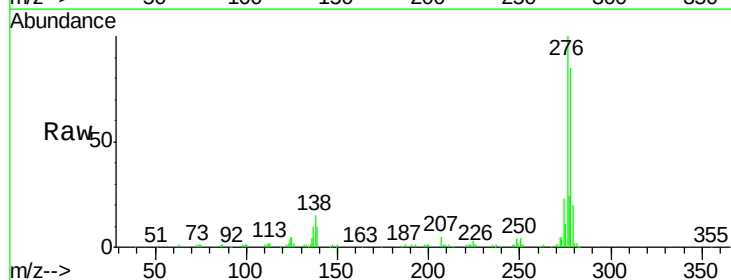
Tgt Ion:276 Resp: 272619

Ion Ratio Lower Upper

276 100

138 15.3 11.9 17.9

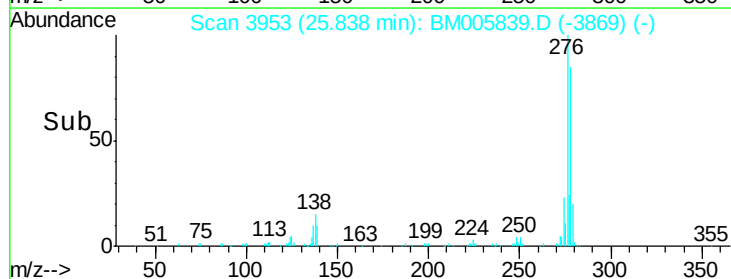
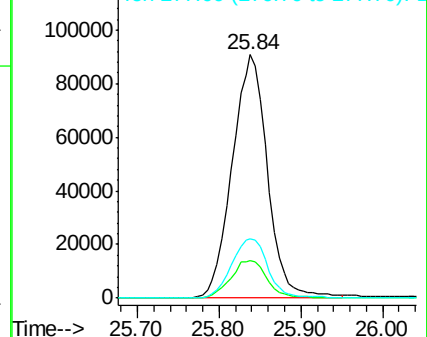
277 24.3 21.0 31.6

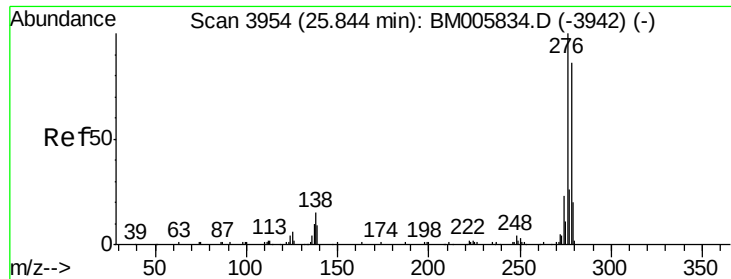


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 19.71 ng/ul

RT: 25.84 min Scan# 3954

Delta R.T. 0.00 min

Lab File: BM005839.D

Acq: 16 Jun 2016 22:02

Instrument :

BNA_M

ClientSampleId :

SSTD02051

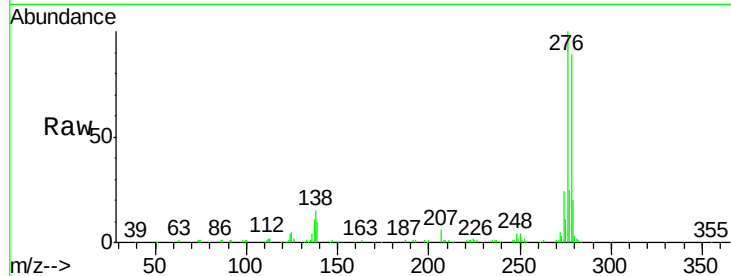
Tgt Ion:278 Resp: 225298

Ion Ratio Lower Upper

278 100

139 10.8 8.2 12.4

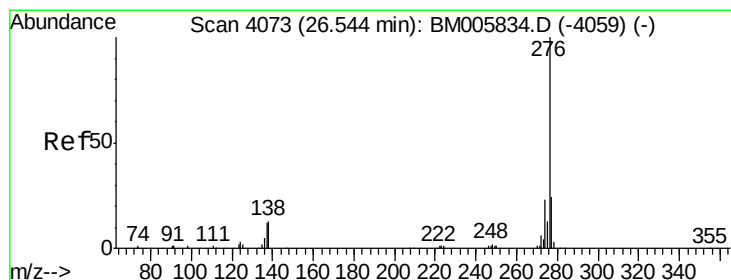
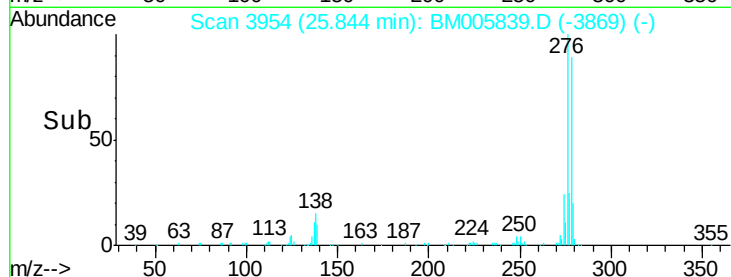
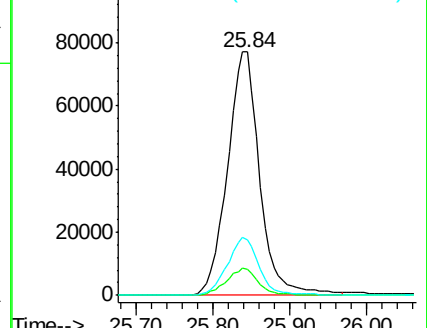
279 22.9 18.6 27.8



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: 19.58 ng/ul

RT: 26.53 min Scan# 4071

Delta R.T. -0.01 min

Lab File: BM005839.D

Acq: 16 Jun 2016 22:02

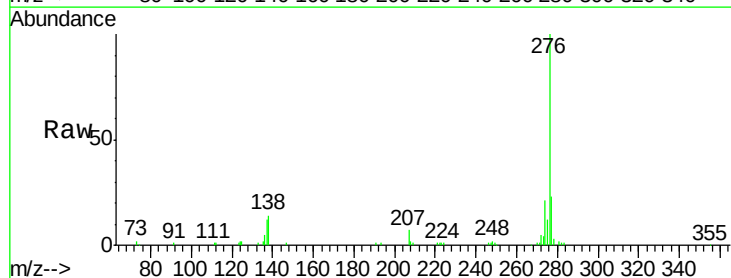
Tgt Ion:276 Resp: 231752

Ion Ratio Lower Upper

276 100

138 14.2 10.6 15.8

277 22.9 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

