

Data Path : Z:\HPCHEM1\BNA_B\DATA\BB030317\
 Data File : BB058683.D
 Acq On : 3 Mar 2017 12:29
 Operator : UM/SJ
 Sample : SSTD00576
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_B
 ClientSampleId :
 SSTD00576

Quant Time: Mar 15 01:33:53 2017
 Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM-EPA-BB030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 15 01:30:06 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	161193	20.00	ng/ul	0.01
2) Naphthalene-d8	10.80	136	547383	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.78	164	375811	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.73	188	135034	20.00	ng/ul	0.10
18) Chrysene-d12	22.32	240	536776	20.00	ng/ul	0.00
23) Perylene-d12	25.29	264	523256	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.42	165	46938	4.52	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	143707	4.43	ng/ul	0.00
10) Fluorene-d10	15.81	176	101729	4.57	ng/ul	0.00
15) Anthracene-d10	17.73	188	135034	21.25	ng/ul	0.00
19) Pyrene-d10	20.18	212	126524	4.80	ng/ul	-0.01
26) Benzo(a)pyrene-d12	25.07	264	102222	4.43	ng/ul	-0.02

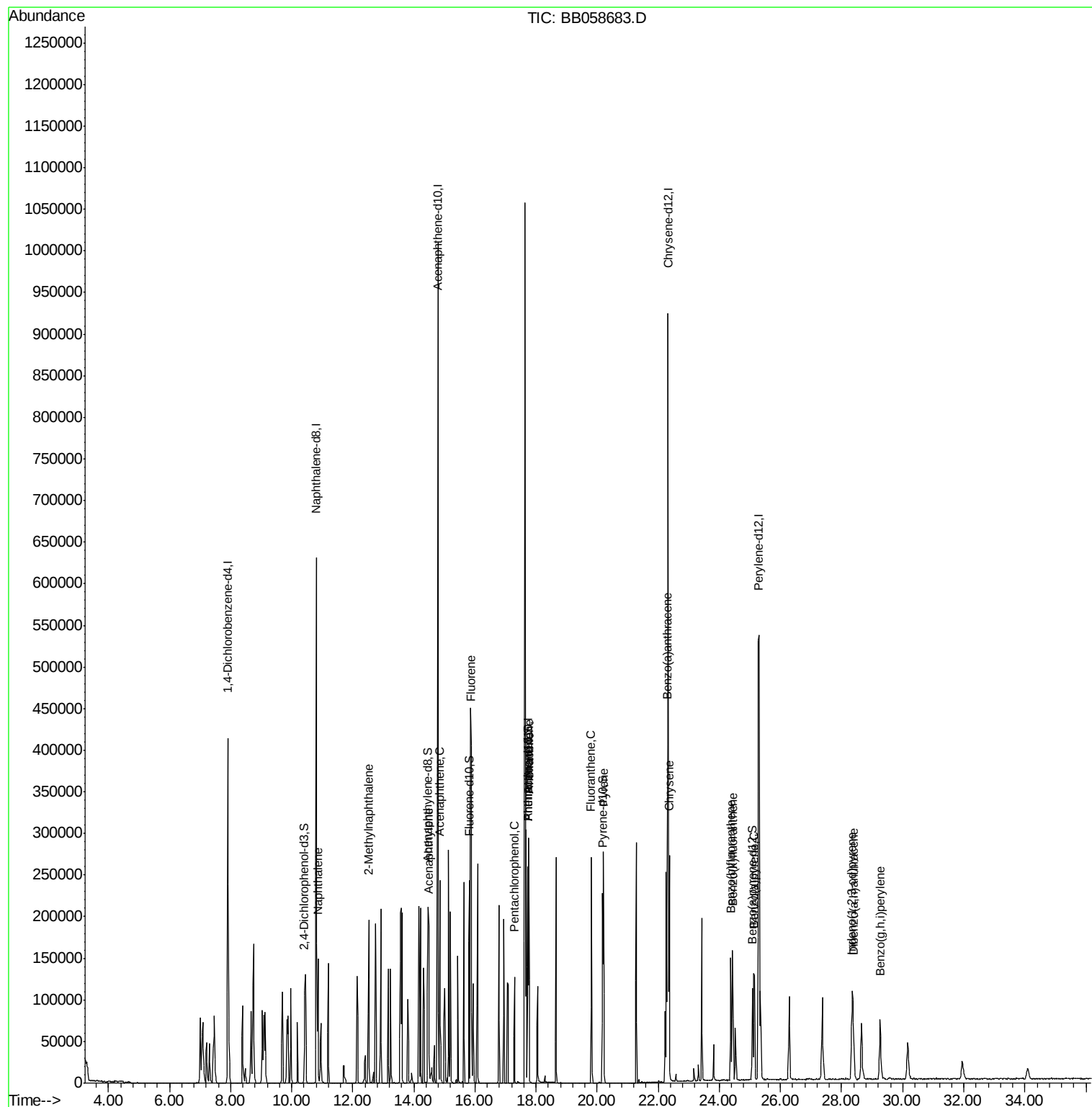
Target Compounds				Qvalue		
4) Naphthalene	10.86	128	118577	4.51	ng/ul	99
5) 2-Methylnaphthalene	12.52	142	89611	4.54	ng/ul	100
8) Acenaphthylene	14.49	152	136420	4.38	ng/ul	100
9) Acenaphthene	14.85	153	92482	4.43	ng/ul	99
11) Fluorene	15.87	166	117033	4.31	ng/ul	99
13) Pentachlorophenol	17.29	266	19964	19.22	ng/uL	97
14) Phenanthrene	17.76	178	166335	21.77	ng/ul	98
16) Anthracene	17.76	178	166335	21.23	ng/ul	99
17) Fluoranthene	19.80	202	165055	21.64	ng/ul#	96
20) Pyrene	20.21	202	171998	4.85	ng/ul	98
21) Benzo(a)anthracene	22.30	228	142083	4.79	ng/ul	99
22) Chrysene	22.36	228	135659	4.96	ng/ul	98
24) Benzo(b)fluoranthene	24.38	252	130506	4.27	ng/ul	97
25) Benzo(k)fluoranthene	24.43	252	135654	4.89	ng/ul	97
27) Benzo(a)pyrene	25.13	252	127401	4.44	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.34	276	145828	4.45	ng/ul	97
29) Dibenzo(a,h)anthracene	28.38	278	123360	4.42	ng/ul	97
30) Benzo(g,h,i)perylene	29.27	276	123709	4.57	ng/ul#	94

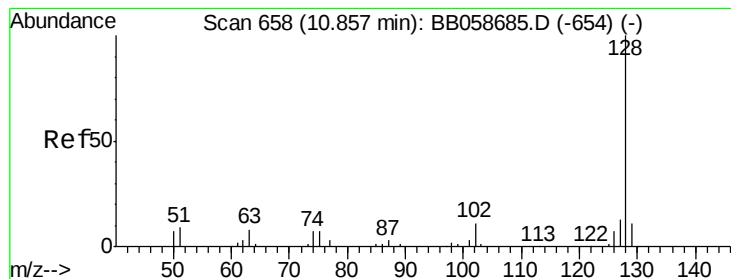
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_B\DATA\BB030317\
Data File : BB058683.D
Acq On : 3 Mar 2017 12:29
Operator : UM/SJ
Sample : SSTD00576
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_B
ClientSampleId :
SSTD00576

Quant Time: Mar 15 01:33:53 2017
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM-EPA-BB030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 01:30:06 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 4.51 ng/ul

RT: 10.86 min Scan# 658

Delta R.T. -0.00 min

Lab File: BB058683.D

Acq: 3 Mar 2017 12:29

Instrument :

BNA_B

ClientSampleId :

SSTD00576

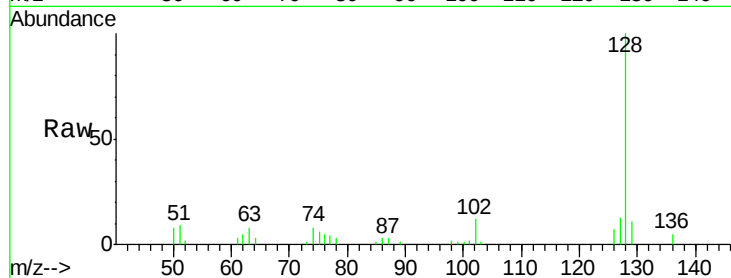
Tgt Ion:128 Resp: 118577

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

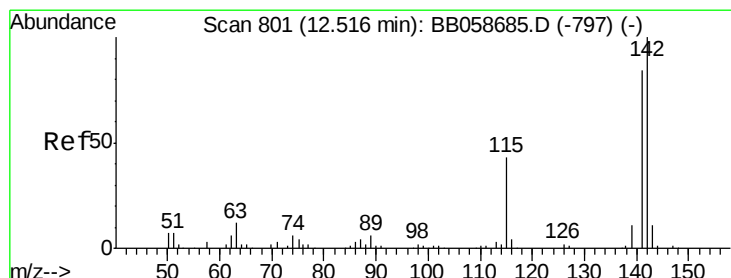
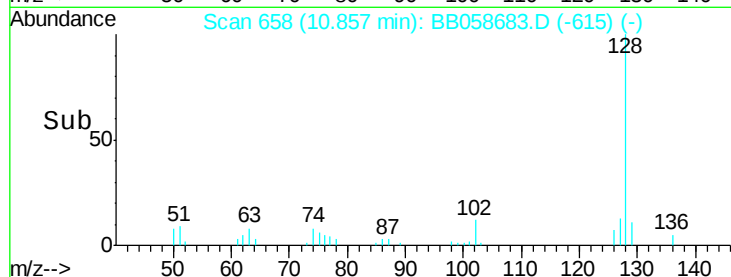
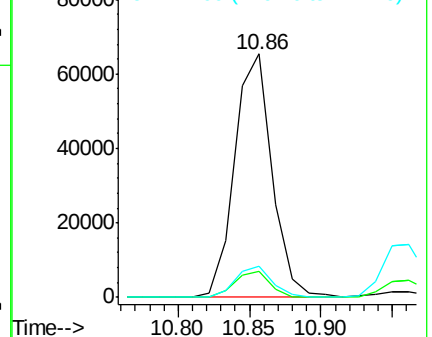
127 13.0 10.6 15.8



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



#5

2-Methylnaphthalene

Concen: 4.54 ng/ul

RT: 12.52 min Scan# 801

Delta R.T. -0.00 min

Lab File: BB058683.D

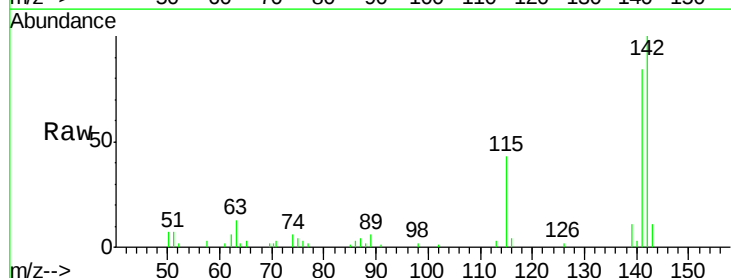
Acq: 3 Mar 2017 12:29

Tgt Ion:142 Resp: 89611

Ion Ratio Lower Upper

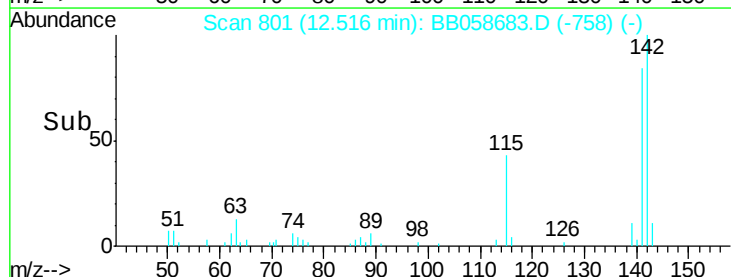
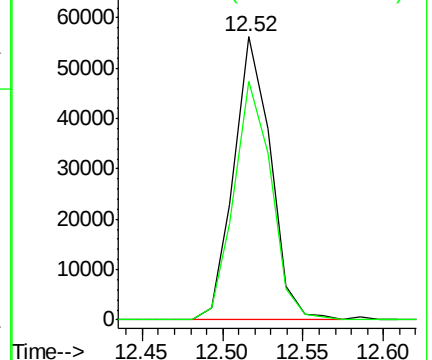
142 100

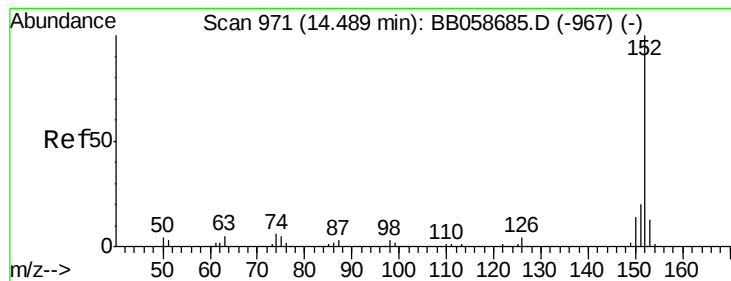
141 84.3 67.5 101.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 4.38 ng/ul

RT: 14.49 min Scan# 971

Delta R.T. -0.00 min

Lab File: BB058683.D

Acq: 3 Mar 2017 12:29

Instrument :

BNA_B

ClientSampleId :

SSTD00576

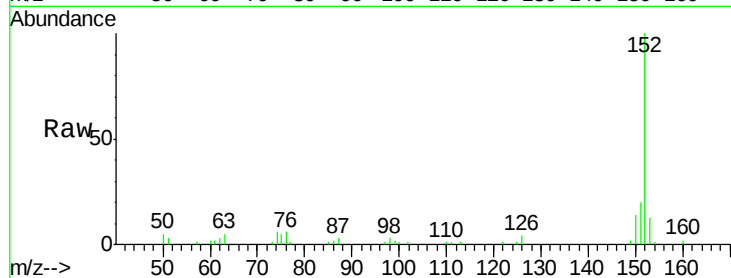
Tgt Ion:152 Resp: 136420

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

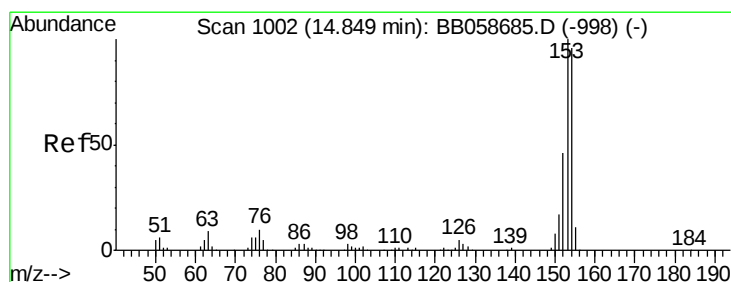
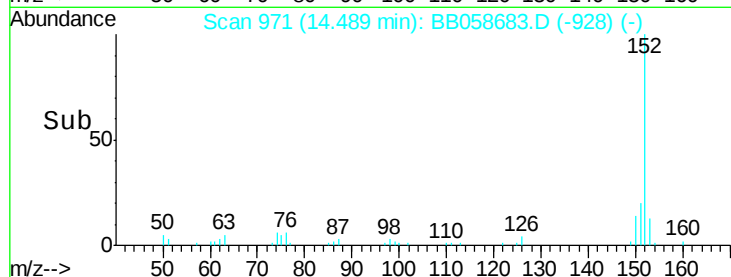
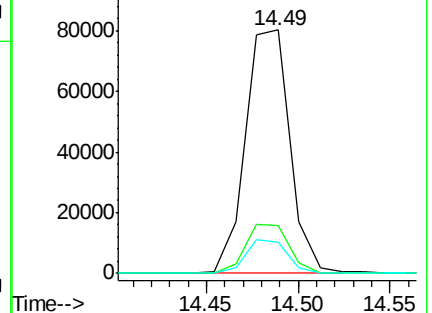
153 12.8 10.4 15.6



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



#9

Acenaphthene

Concen: 4.43 ng/ul

RT: 14.85 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BB058683.D

Acq: 3 Mar 2017 12:29

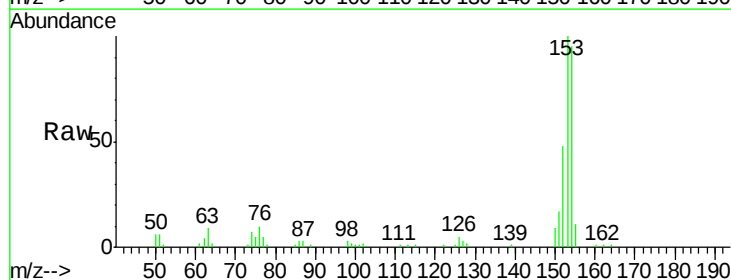
Tgt Ion:153 Resp: 92482

Ion Ratio Lower Upper

153 100

152 47.8 37.0 55.4

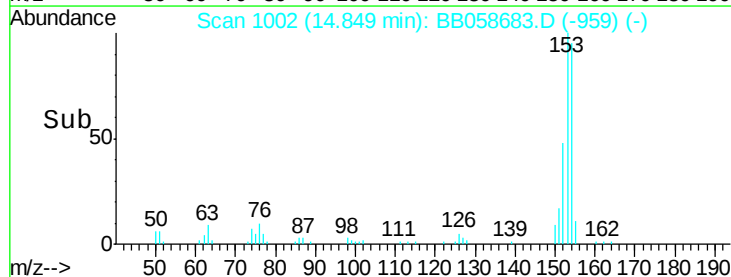
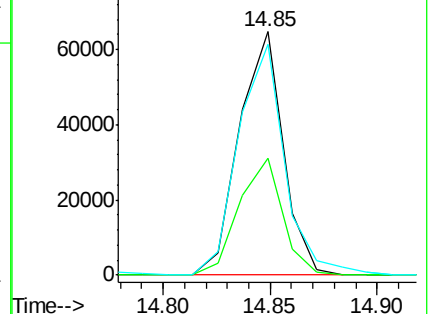
154 94.6 76.5 114.7

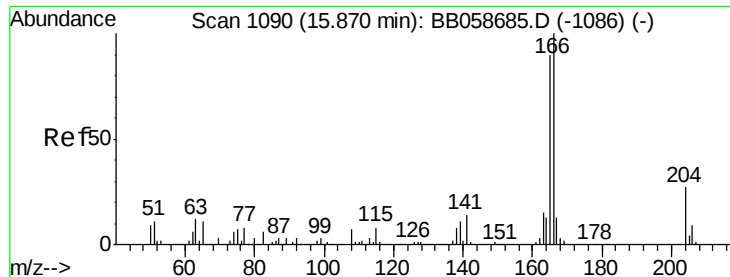


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 4.31 ng/uL

RT: 15.87 min Scan# 1090

Delta R.T. -0.00 min

Lab File: BB058683.D

Acq: 3 Mar 2017 12:29

Instrument :

BNA_B

ClientSampleId :

SSTD00576

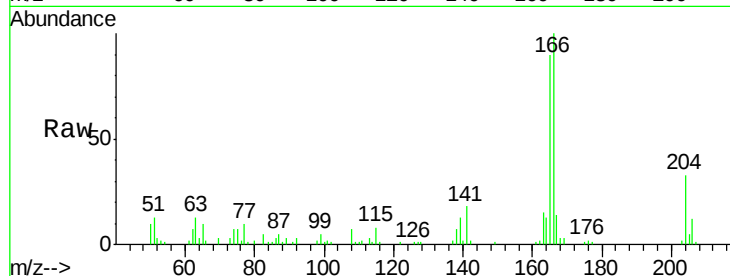
Tgt Ion:166 Resp: 117033

Ion Ratio Lower Upper

166 100

165 90.2 71.6 107.4

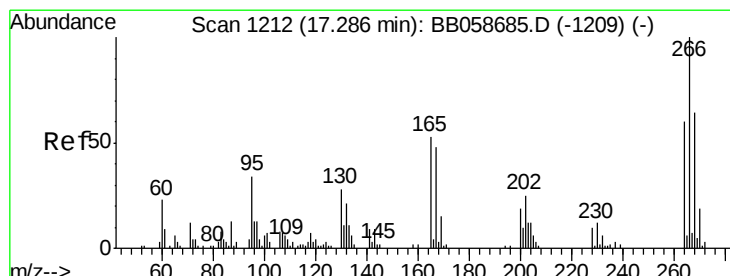
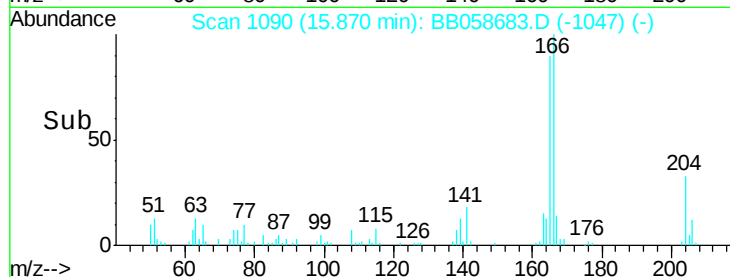
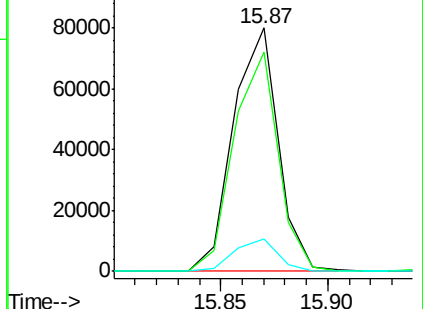
167 13.5 10.3 15.5



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



#13

Pentachlorophenol

Concen: 19.22 ng/uL

RT: 17.29 min Scan# 1212

Delta R.T. -0.00 min

Lab File: BB058683.D

Acq: 3 Mar 2017 12:29

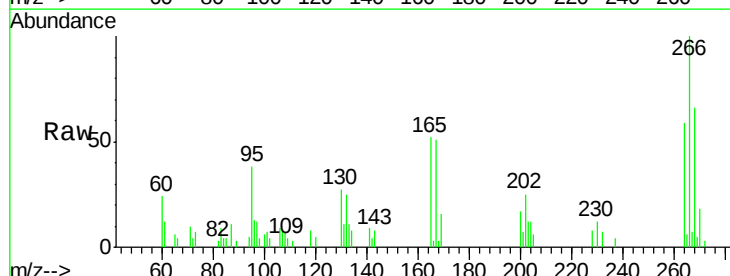
Tgt Ion:266 Resp: 19964

Ion Ratio Lower Upper

266 100

264 58.6 49.4 74.2

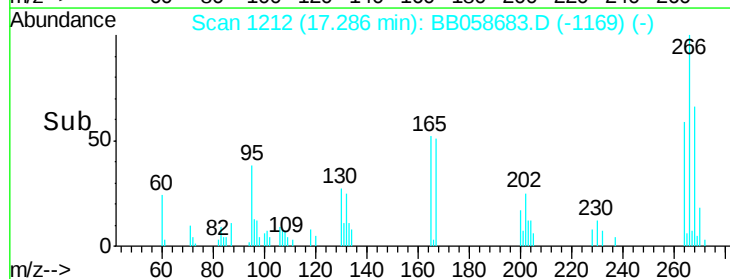
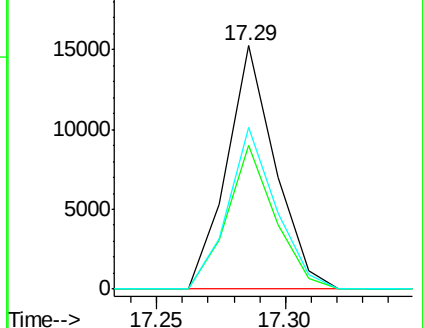
268 66.1 51.1 76.7

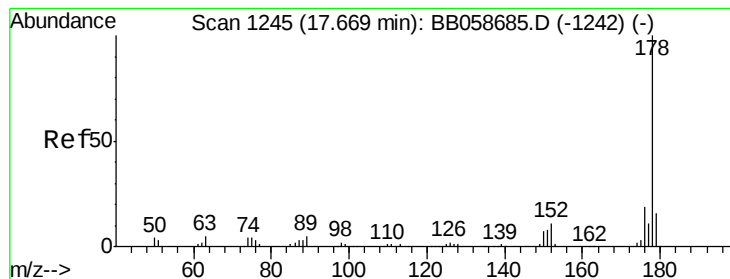


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 21.77 ng/ul

RT: 17.76 min Scan# 1253

Delta R.T. 0.09 min

Lab File: BB058683.D

Acq: 3 Mar 2017 12:29

Instrument :

BNA_B

ClientSampleId :

SSTD00576

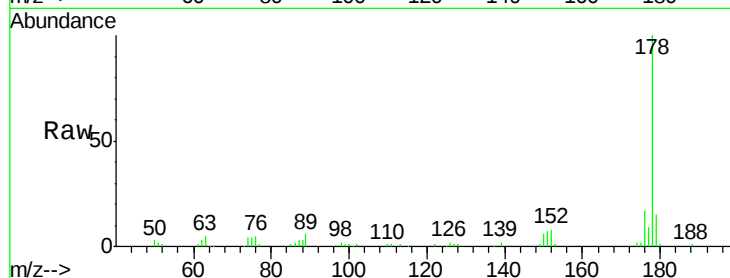
Tgt Ion:178 Resp: 166335

Ion Ratio Lower Upper

178 100

179 14.8 12.5 18.7

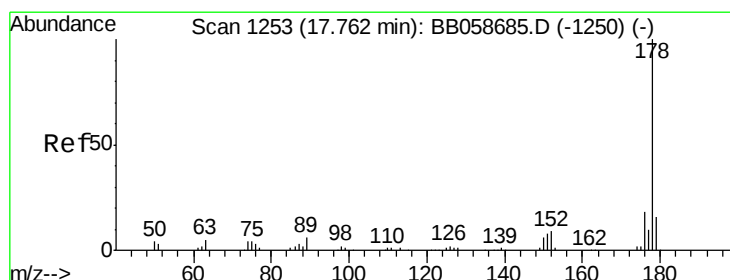
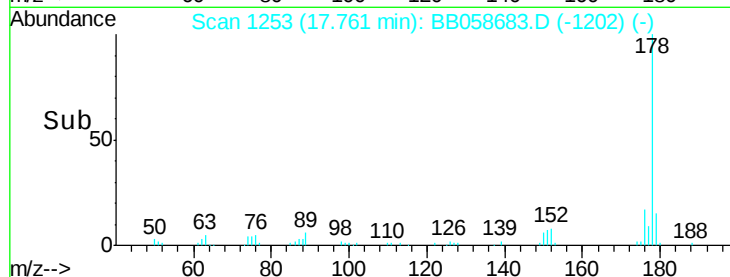
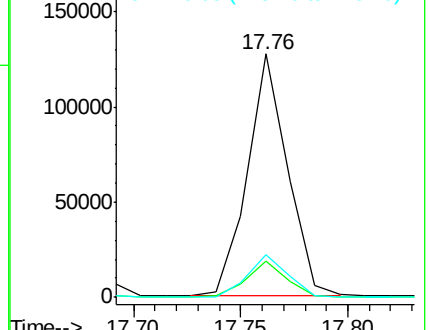
176 17.5 15.0 22.4



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



#16

Anthracene

Concen: 21.23 ng/ul

RT: 17.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: BB058683.D

Acq: 3 Mar 2017 12:29

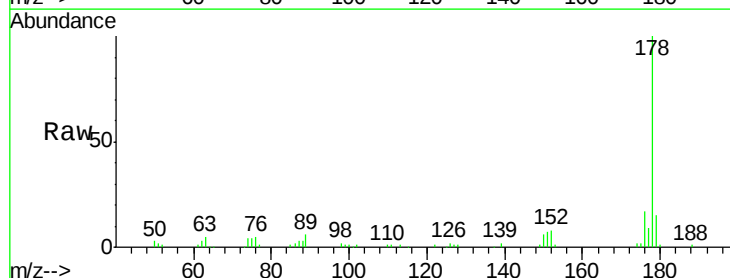
Tgt Ion:178 Resp: 166335

Ion Ratio Lower Upper

178 100

179 14.8 12.3 18.5

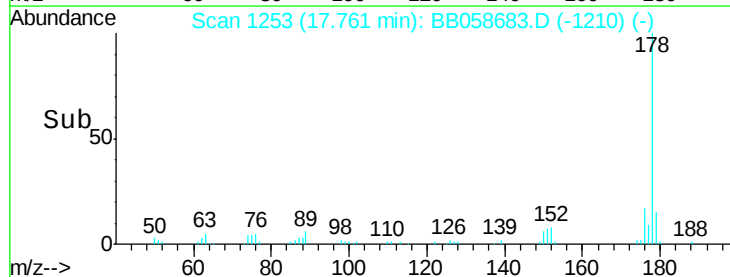
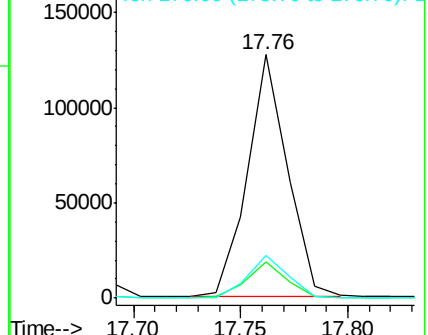
176 17.5 14.2 21.2

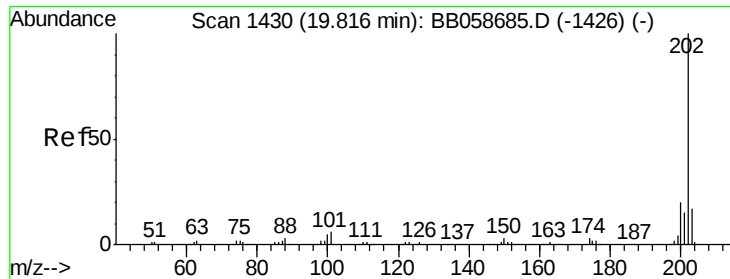


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

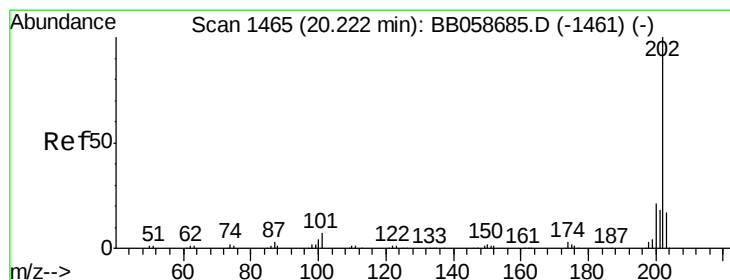
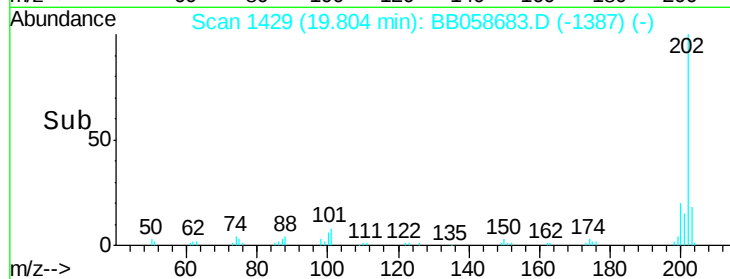
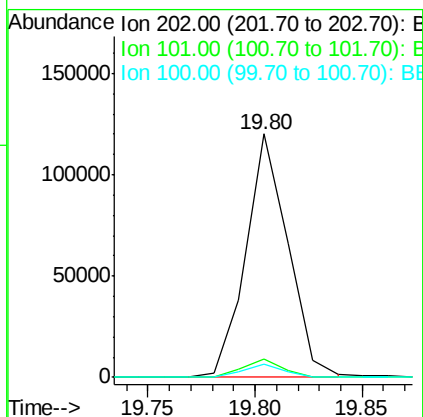
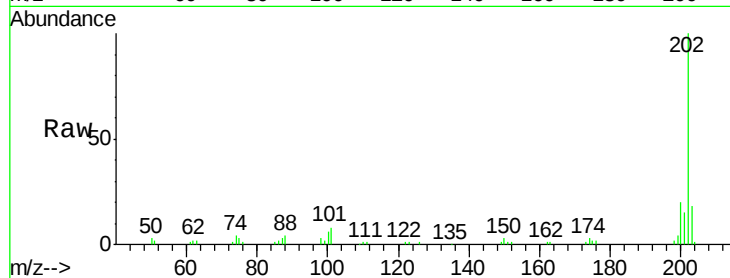




#17
Fluoranthene
 Concen: 21.64 ng/ul
 RT: 19.80 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BB058683.D
 Acq: 3 Mar 2017 12:29

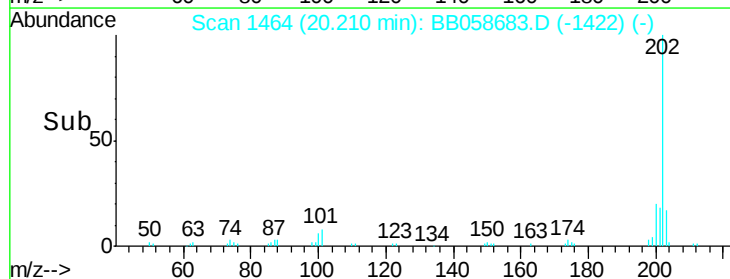
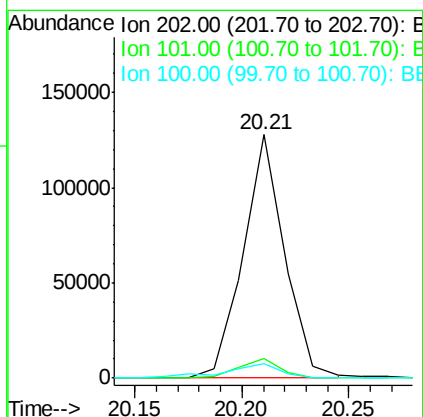
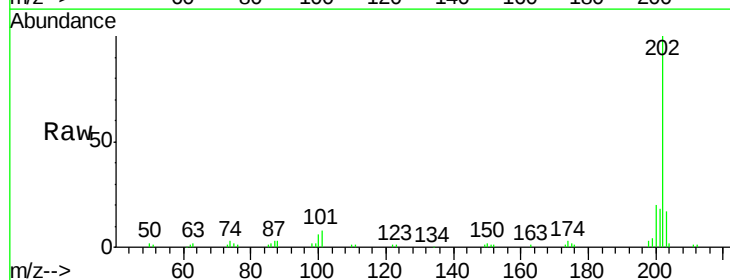
Instrument :
 BNA_B
 ClientSampleId :
 SSTD00576

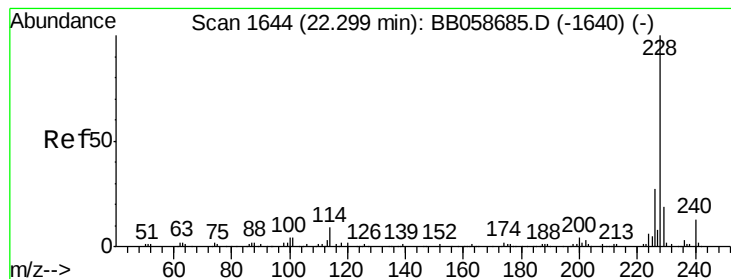
Tgt Ion: 202 Resp: 165055
 Ion Ratio Lower Upper
 202 100
 101 7.5 4.6 6.8#
 100 5.5 3.7 5.5



#20
Pyrene
 Concen: 4.85 ng/ul
 RT: 20.21 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BB058683.D
 Acq: 3 Mar 2017 12:29

Tgt Ion: 202 Resp: 171998
 Ion Ratio Lower Upper
 202 100
 101 8.1 5.8 8.6
 100 6.2 4.6 6.8





#21

Benzo(a)anthracene

Concen: 4.79 ng/ul

RT: 22.30 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BB058683.D

Acq: 3 Mar 2017 12:29

Instrument :

BNA_B

ClientSampleId :

SSTD00576

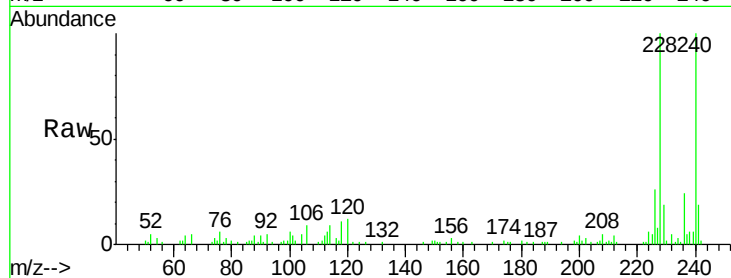
Tgt Ion:228 Resp: 142083

Ion Ratio Lower Upper

228 100

229 19.1 15.6 23.4

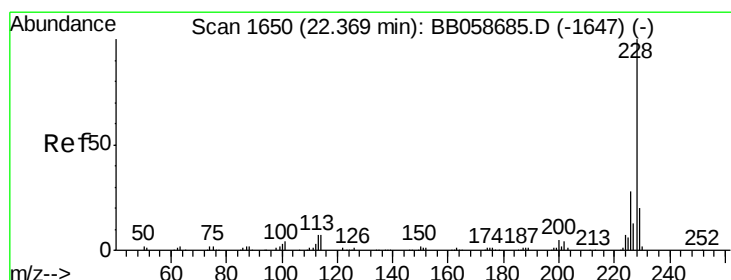
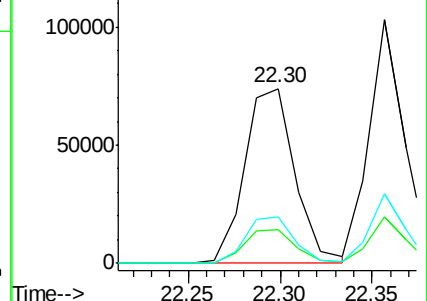
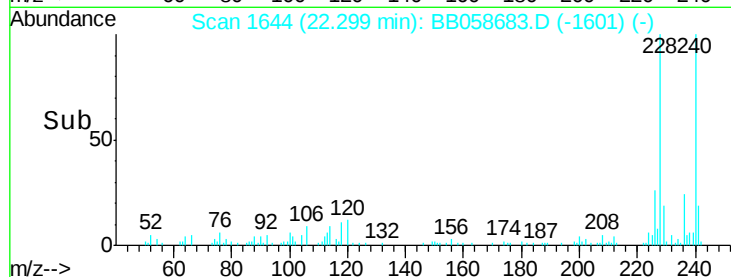
226 26.4 21.3 31.9



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



#22

Chrysene

Concen: 4.96 ng/ul

RT: 22.36 min Scan# 1649

Delta R.T. -0.01 min

Lab File: BB058683.D

Acq: 3 Mar 2017 12:29

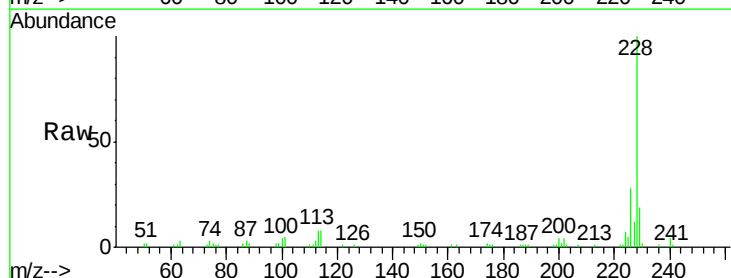
Tgt Ion:228 Resp: 135659

Ion Ratio Lower Upper

228 100

226 28.5 22.5 33.7

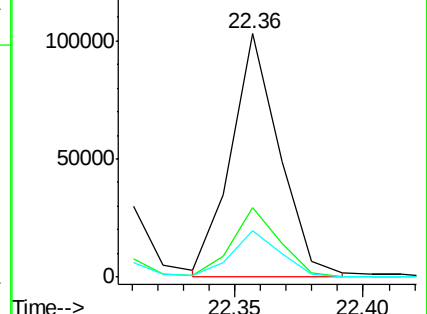
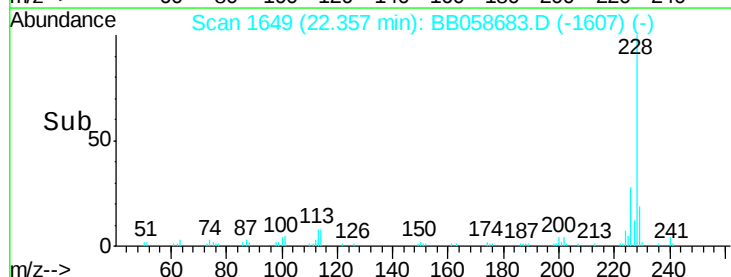
229 18.9 16.2 24.2

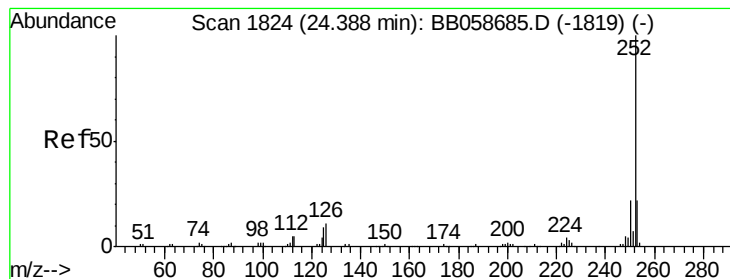


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 4.27 ng/ul

RT: 24.38 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BB058683.D

Acq: 3 Mar 2017 12:29

Instrument :

BNA_B

ClientSampleId :

SSTD00576

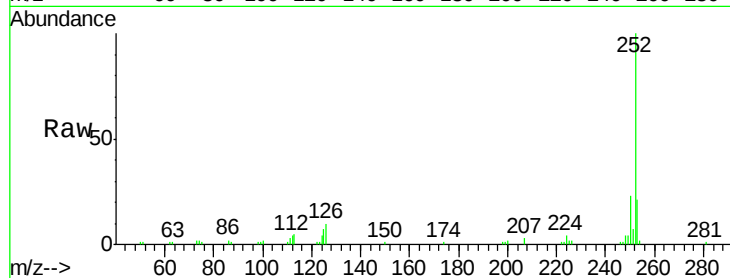
Tgt Ion:252 Resp: 130506

Ion Ratio Lower Upper

252 100

253 20.9 17.4 26.0

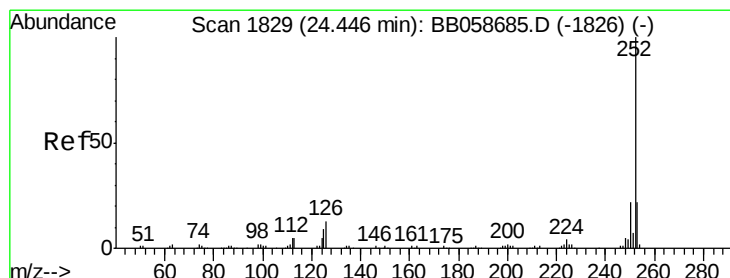
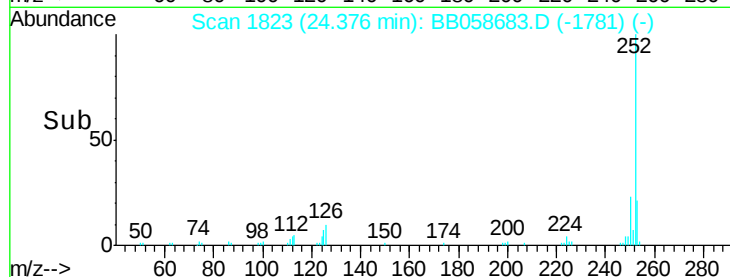
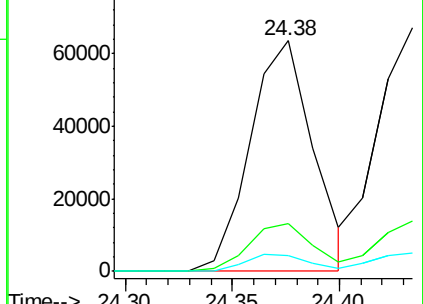
125 7.0 7.0 10.4



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



#25

Benzo(k)fluoranthene

Concen: 4.89 ng/ul

RT: 24.43 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BB058683.D

Acq: 3 Mar 2017 12:29

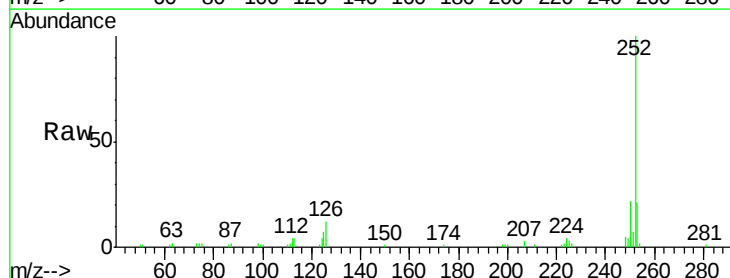
Tgt Ion:252 Resp: 135654

Ion Ratio Lower Upper

252 100

253 20.7 17.4 26.2

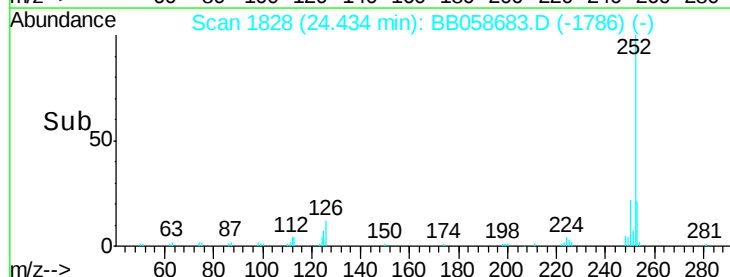
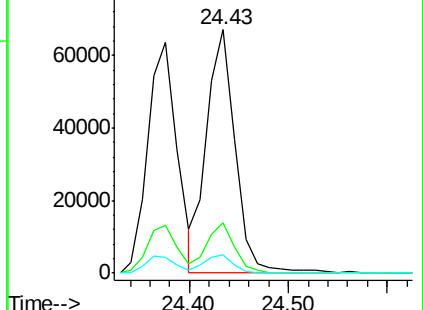
125 7.4 7.0 10.4

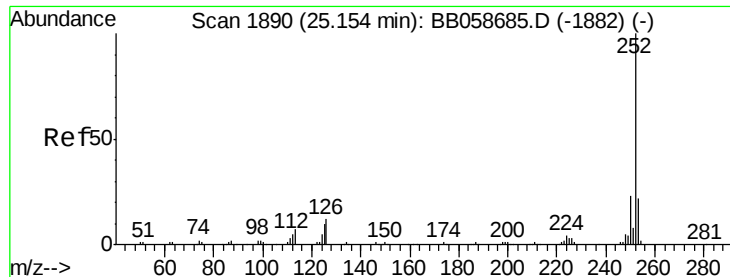


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 4.44 ng/ul

RT: 25.13 min Scan# 1888

Delta R.T. -0.02 min

Lab File: BB058683.D

Acq: 3 Mar 2017 12:29

Instrument :

BNA_B

ClientSampleId :

SSTD00576

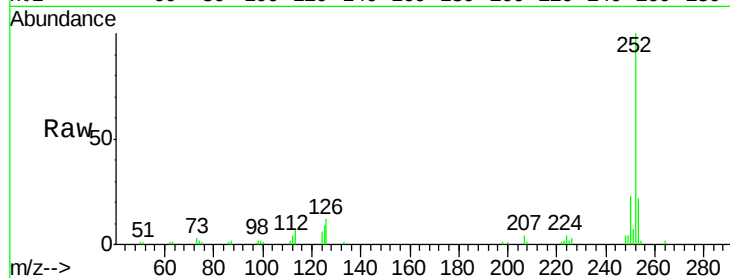
Tgt Ion:252 Resp: 127401

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

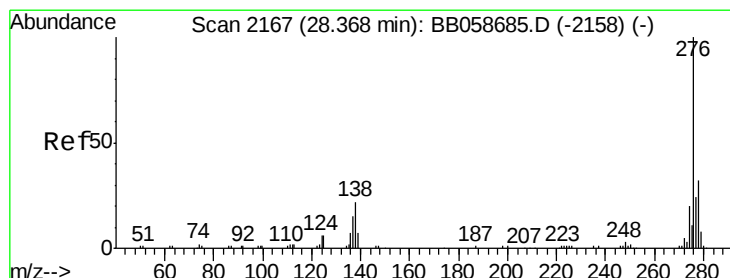
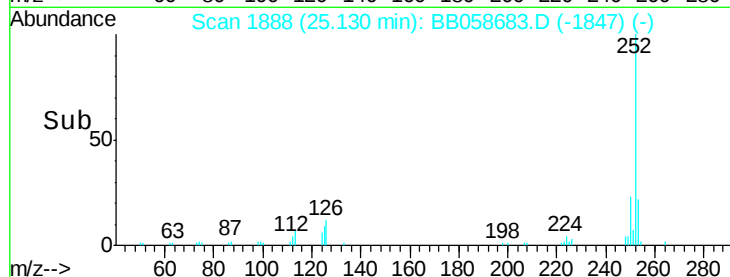
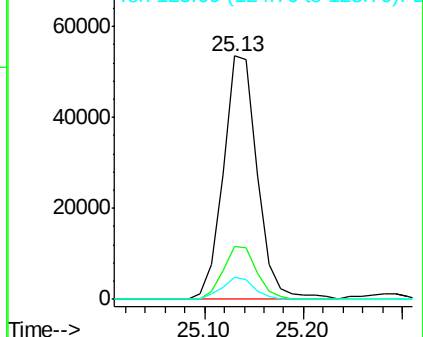
125 8.9 8.1 12.1



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



#28

Indeno(1,2,3-cd)pyrene

Concen: 4.45 ng/ul

RT: 28.34 min Scan# 2165

Delta R.T. -0.02 min

Lab File: BB058683.D

Acq: 3 Mar 2017 12:29

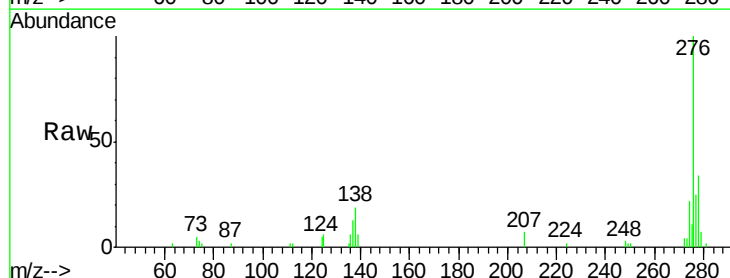
Tgt Ion:276 Resp: 145828

Ion Ratio Lower Upper

276 100

138 19.1 17.6 26.4

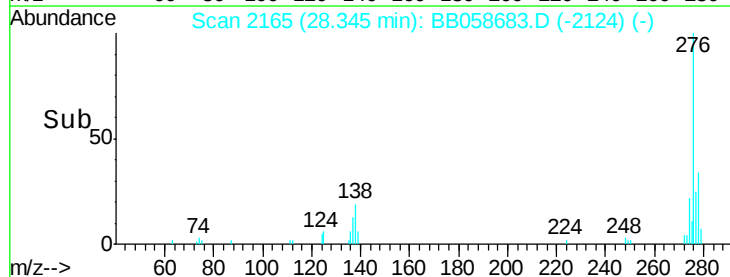
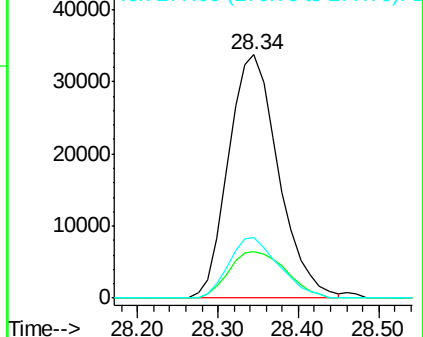
277 24.9 19.5 29.3

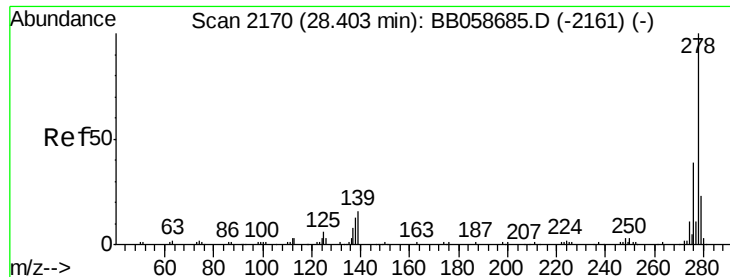


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 4.42 ng/ul

RT: 28.38 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BB058683.D

Acq: 3 Mar 2017 12:29

Instrument :

BNA_B

ClientSampleId :

SSTD00576

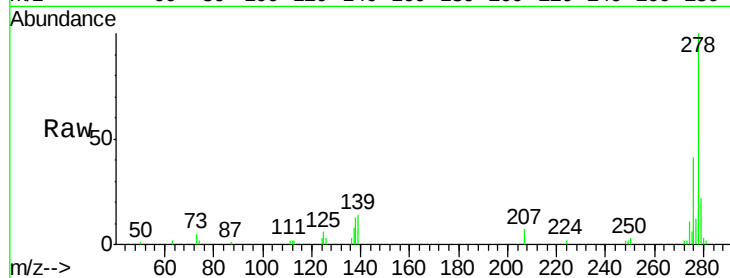
Tgt Ion:278 Resp: 123360

Ion Ratio Lower Upper

278 100

139 14.4 13.2 19.8

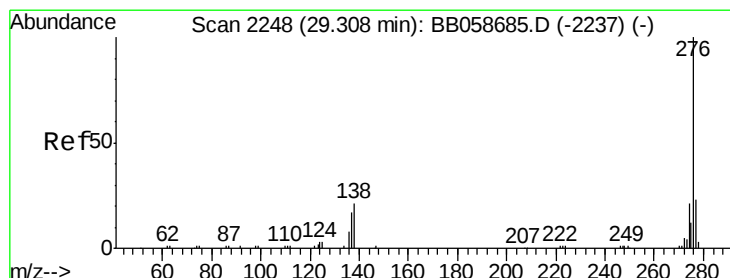
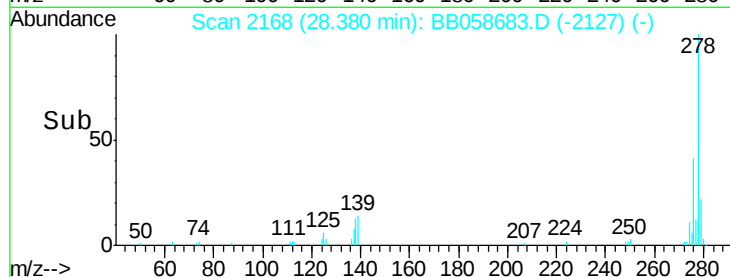
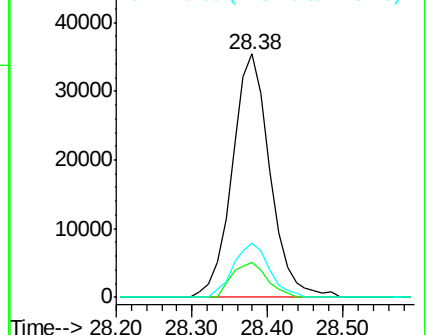
279 22.2 18.5 27.7



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



#30

Benzo(g,h,i)perylene

Concen: 4.57 ng/ul

RT: 29.27 min Scan# 2245

Delta R.T. -0.04 min

Lab File: BB058683.D

Acq: 3 Mar 2017 12:29

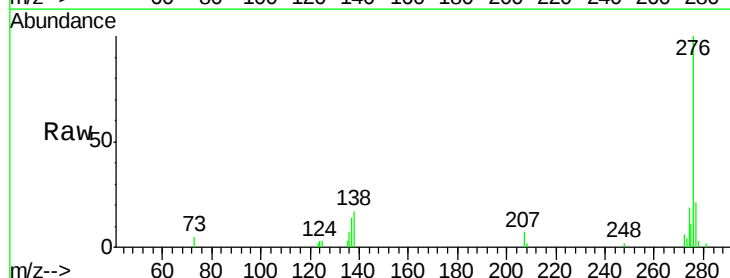
Tgt Ion:276 Resp: 123709

Ion Ratio Lower Upper

276 100

138 16.9 17.0 25.4#

277 21.3 18.3 27.5



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

