

Data Path : Z:\HPCHEM1\BNA_M\Data\BM070716\
 Data File : BM006286.D
 Acq On : 06 Jul 2016 17:13
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.440

Quant Time: Jul 06 17:45:53 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 06 17:45:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4844	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	18712	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	10155	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.04	188	23211	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	18005	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	13662	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	4322	2.11	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.03	152	9708	0.44	ng/ul	0.01
16) Fluoranthene-d10	19.08	212	23395	0.48	ng/ul	0.00

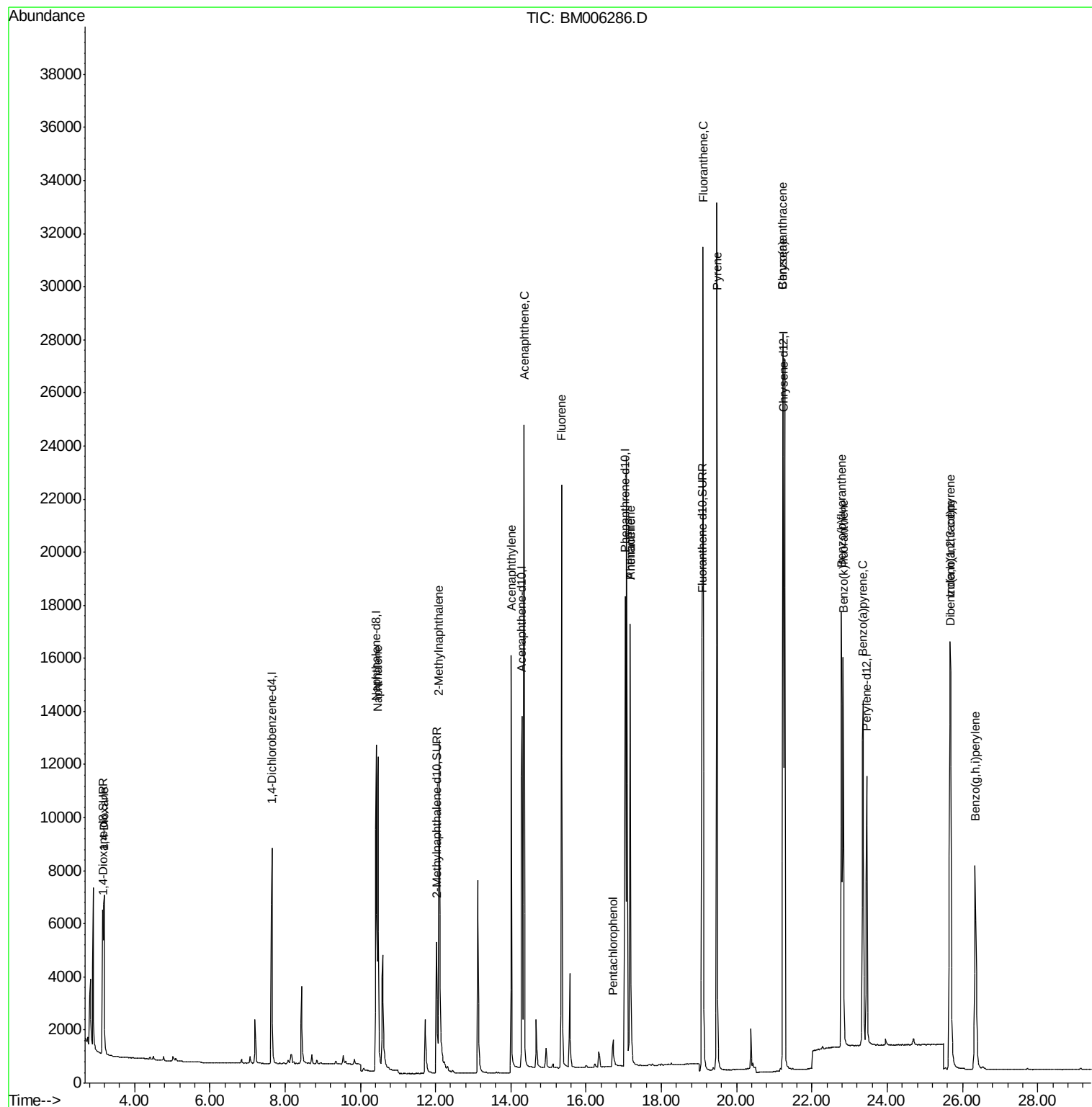
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.20	88	5579	2.11	ng/ul#	1
5) Naphthalene	10.48	128	18930	0.43	ng/ul	99
7) 2-Methylnaphthalene	12.09	142	13031	0.45	ng/ul	99
9) Acenaphthylene	14.01	152	15008	0.44	ng/ul	93
10) Acenaphthene	14.35	153	14821	0.44	ng/ul	89
11) Fluorene	15.34	166	17087	0.45	ng/ul#	81
13) Pentachlorophenol	16.71	266	1318	0.37	ng/ul	96
14) Phenanthrene	17.18	178	24110	0.38	ng/ul	98
15) Anthracene	17.18	178	25923	0.44	ng/ul	98
17) Fluoranthene	19.11	202	34099	0.48	ng/ul	97
19) Pyrene	19.47	202	32592	0.43	ng/ul	97
20) Benzo(a)anthracene	21.22	228	25571	0.44	ng/ul#	90
21) Chrysene	21.22	228	25571	0.45	ng/ul	94
23) Benzo(b)fluoranthene	22.78	252	21457	0.44	ng/ul	98
24) Benzo(k)fluoranthene	22.83	252	21644	0.48	ng/ul	96
25) Benzo(a)pyrene	23.36	252	20013	0.44	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.67	276	21868	0.43	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.68	278	16150	0.41	ng/ul	98
28) Benzo(g,h,i)perylene	26.34	276	17367	0.41	ng/ul	96

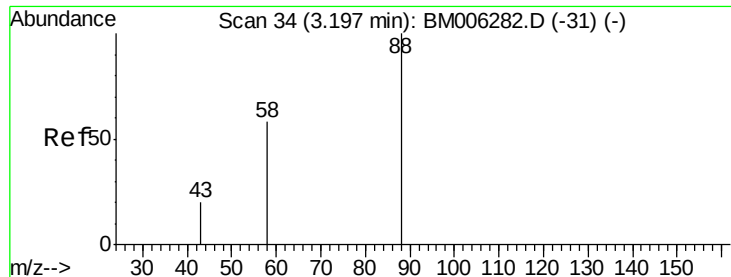
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.11 ng/ul

RT: 3.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: BM006286.D

Acq: 06 Jul 2016 17:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.440

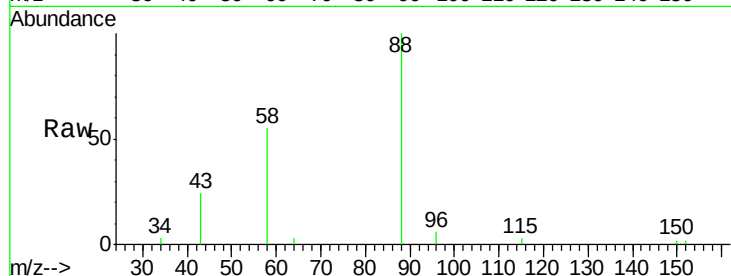
Tgt Ion: 88 Resp: 5579

Ion Ratio Lower Upper

88 100

58 76.4 8.0 12.0#

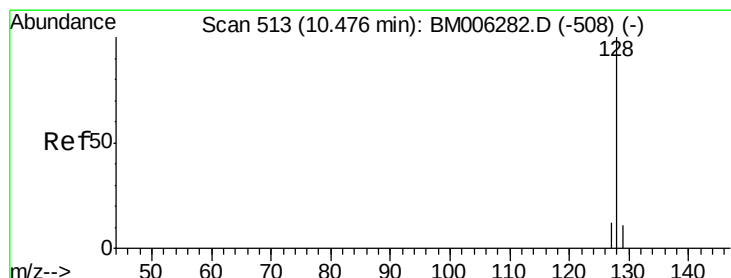
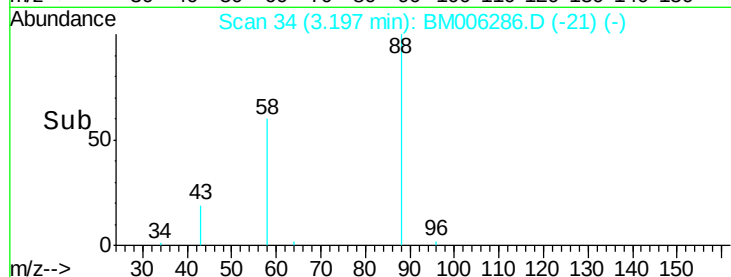
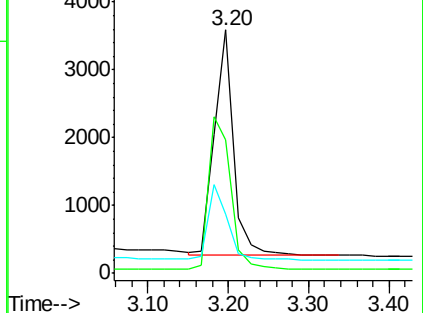
43 34.6 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM006286.D (-21) (-)

Ion 58.00 (57.70 to 58.70): BM006286.D (-21) (-)

Ion 43.00 (42.70 to 43.70): BM006286.D (-21) (-)



#5

Naphthalene

Concen: 0.43 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. 0.00 min

Lab File: BM006286.D

Acq: 06 Jul 2016 17:13

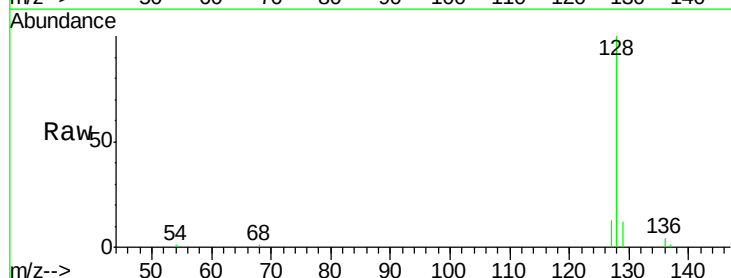
Tgt Ion: 128 Resp: 18930

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

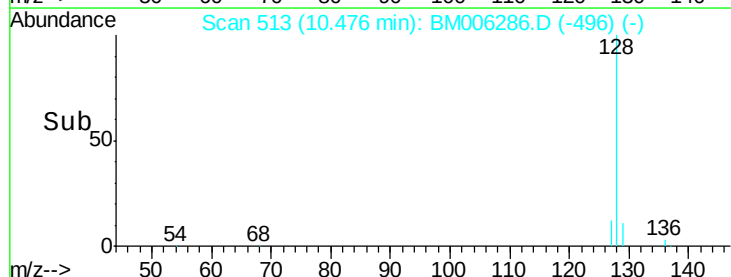
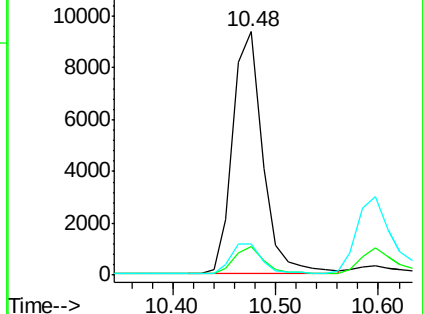
127 12.6 9.6 14.4

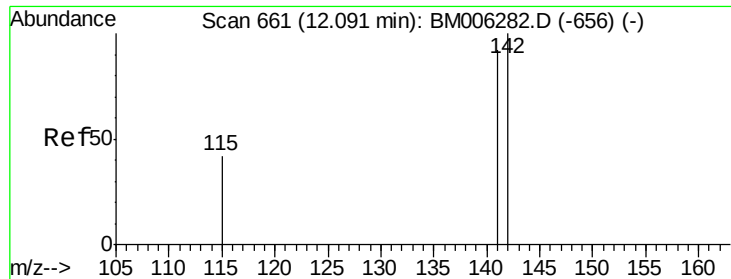


Abundance Ion 128.00 (127.70 to 128.70): BM006286.D (-496) (-)

Ion 129.00 (128.70 to 129.70): BM006286.D (-496) (-)

Ion 127.00 (126.70 to 127.70): BM006286.D (-496) (-)





#7

2-Methylnaphthalene

Concen: 0.45 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM006286.D

Acq: 06 Jul 2016 17:13

Instrument :

BNA_M

ClientSampleId :

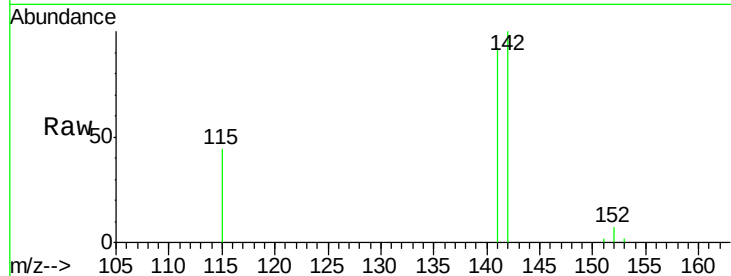
SSTD0.440

Tgt Ion:142 Resp: 13031

Ion Ratio Lower Upper

142 100

141 89.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

6000

5000

4000

3000

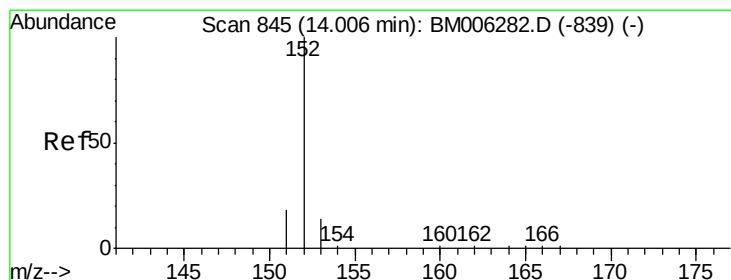
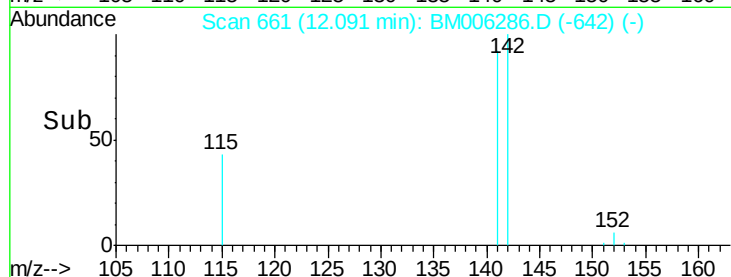
2000

1000

0

12.00 12.10 12.20 12.30

Time-->



#9

Acenaphthylene

Concen: 0.44 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006286.D

Acq: 06 Jul 2016 17:13

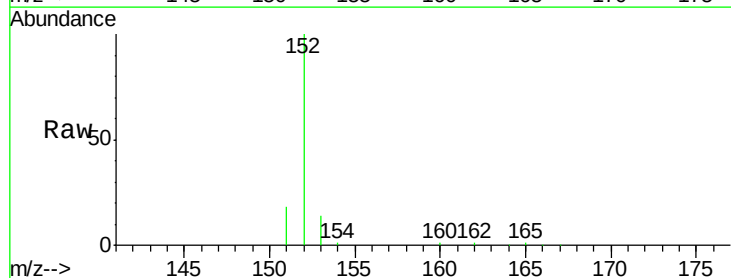
Tgt Ion:152 Resp: 15008

Ion Ratio Lower Upper

152 100

151 18.4 17.6 26.4

153 14.1 9.7 14.5



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

15000

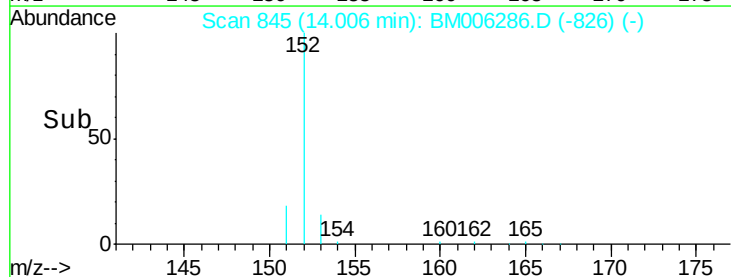
10000

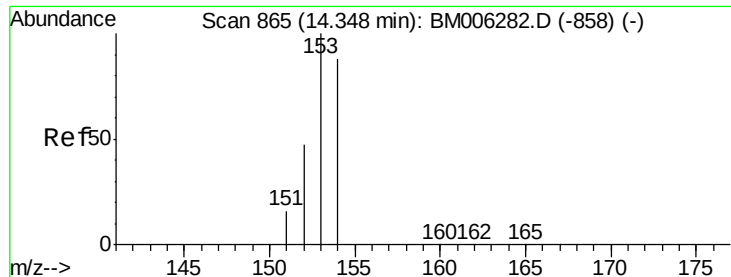
5000

0

13.90 14.00 14.10 14.20

Time-->





#10

Acenaphthene

Concen: 0.44 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM006286.D

Acq: 06 Jul 2016 17:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.440

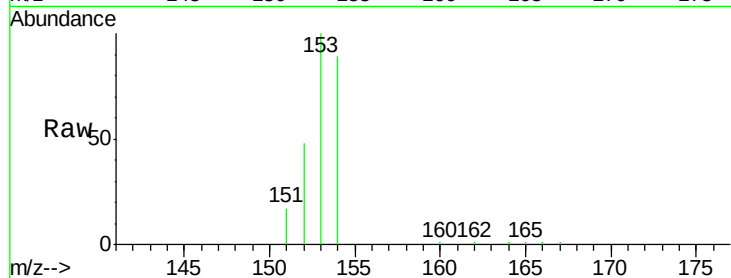
Tgt Ion:153 Resp: 14821

Ion Ratio Lower Upper

153 100

152 47.9 33.9 50.9

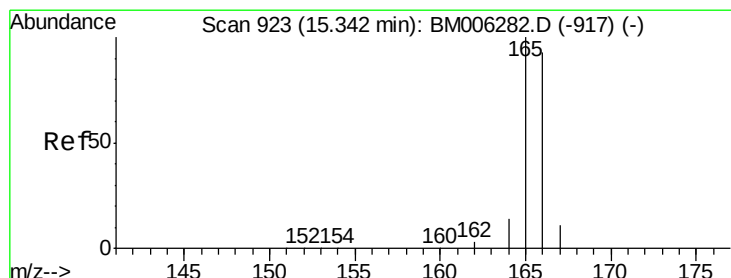
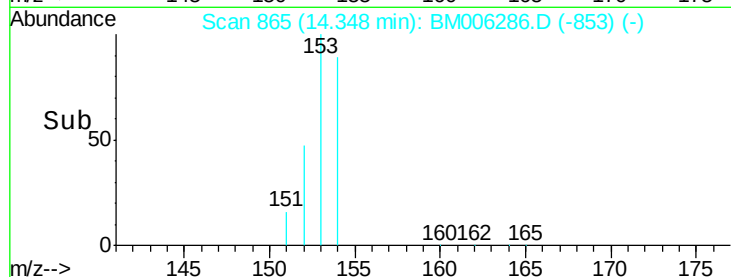
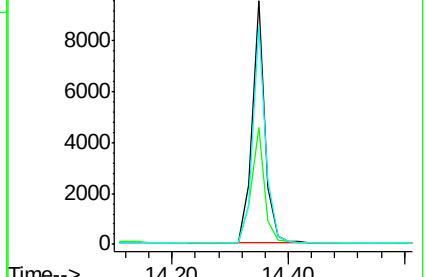
154 89.3 80.6 121.0



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: 0.45 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. 0.00 min

Lab File: BM006286.D

Acq: 06 Jul 2016 17:13

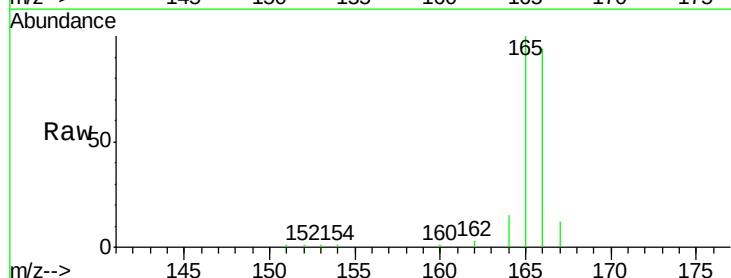
Tgt Ion:166 Resp: 17087

Ion Ratio Lower Upper

166 100

165 106.9 69.6 104.4#

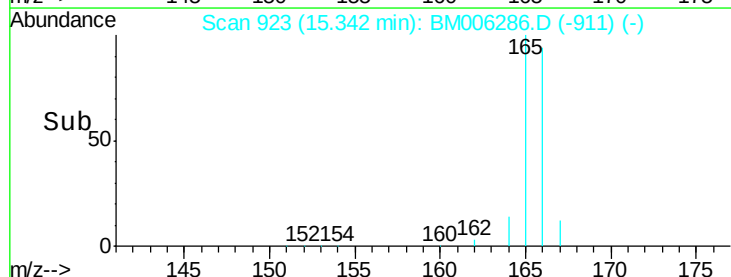
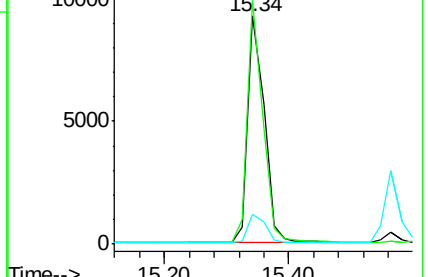
167 13.0 11.9 17.9

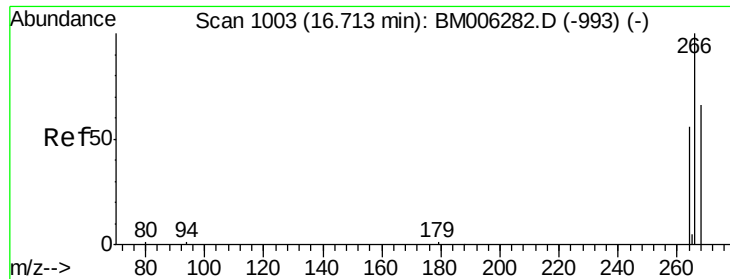


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

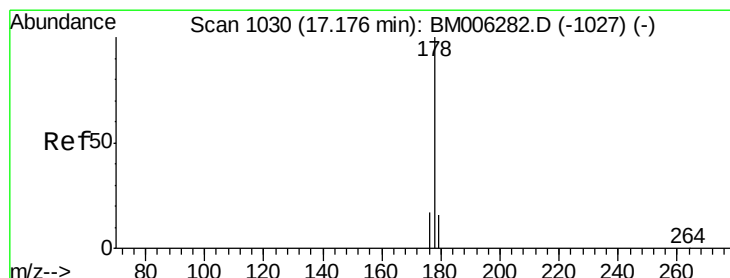
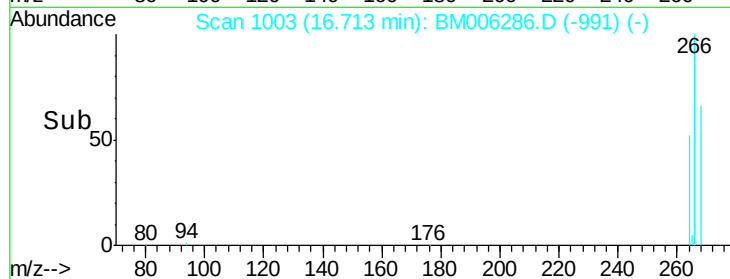
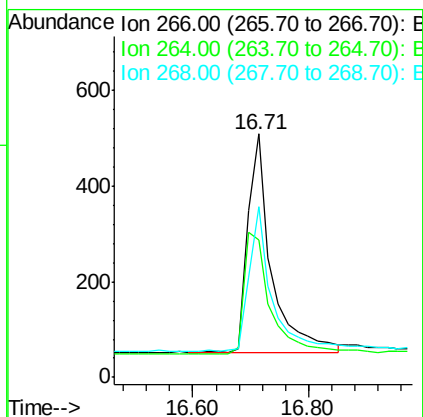
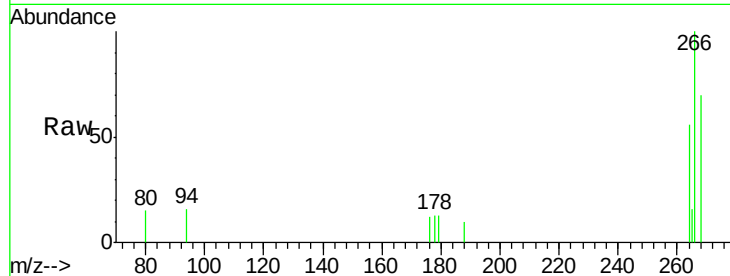




#13
 Pentachlorophenol
 Concen: 0.37 ng/ul
 RT: 16.71 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: BM006286.D
 Acq: 06 Jul 2016 17:13

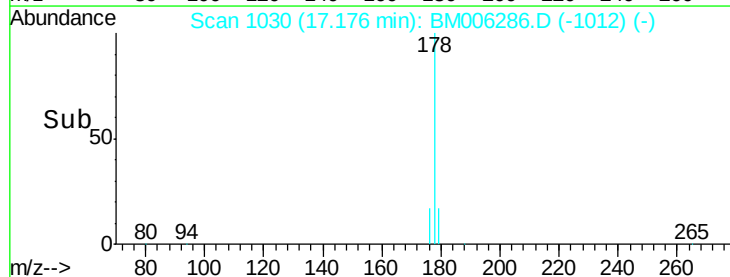
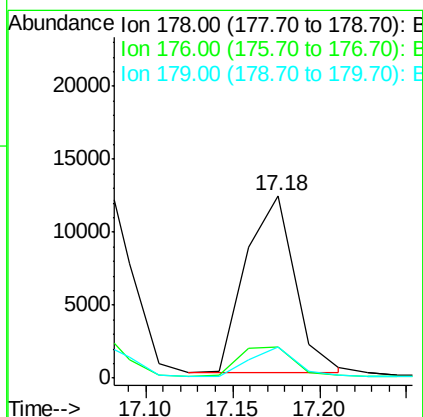
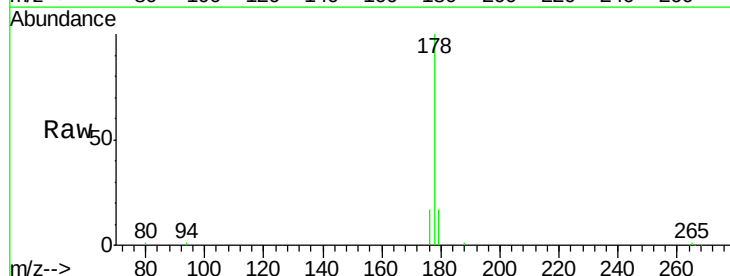
Instrument :
 BNA_M
 ClientSampleId :
 SST0.440

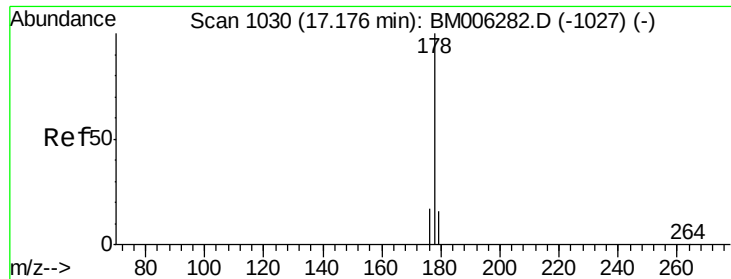
Tgt Ion: 266 Resp: 1318
 Ion Ratio Lower Upper
 266 100
 264 62.1 51.8 77.8
 268 61.8 46.8 70.2



#14
 Phenanthrene
 Concen: 0.38 ng/ul
 RT: 17.18 min Scan# 1030
 Delta R.T. 0.10 min
 Lab File: BM006286.D
 Acq: 06 Jul 2016 17:13

Tgt Ion: 178 Resp: 24110
 Ion Ratio Lower Upper
 178 100
 176 17.0 13.0 19.4
 179 17.1 14.2 21.2





#15

Anthracene

Concen: 0.44 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BM006286.D

Acq: 06 Jul 2016 17:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.440

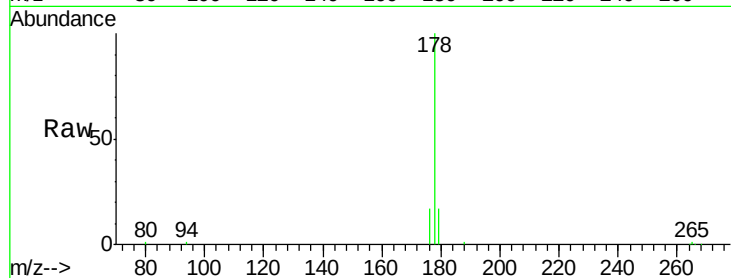
Tgt Ion:178 Resp: 25923

Ion Ratio Lower Upper

178 100

176 17.0 14.0 21.0

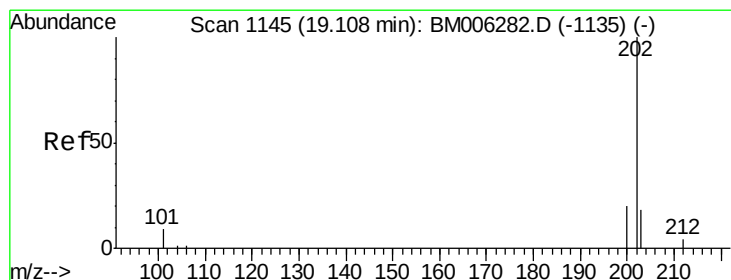
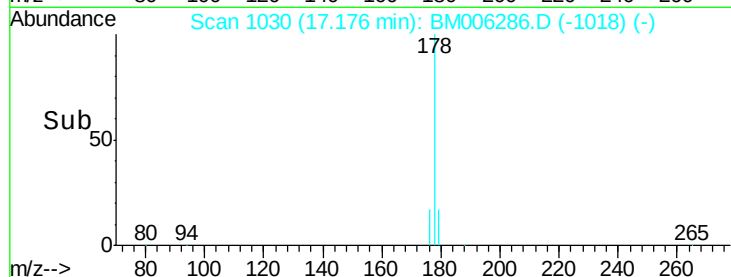
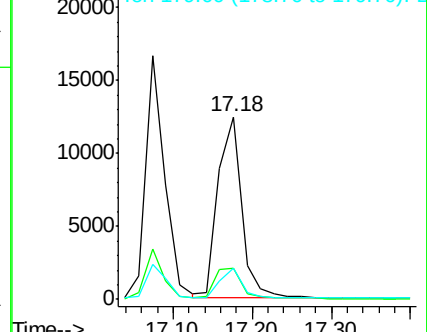
179 17.1 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#17

Fluoranthene

Concen: 0.48 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BM006286.D

Acq: 06 Jul 2016 17:13

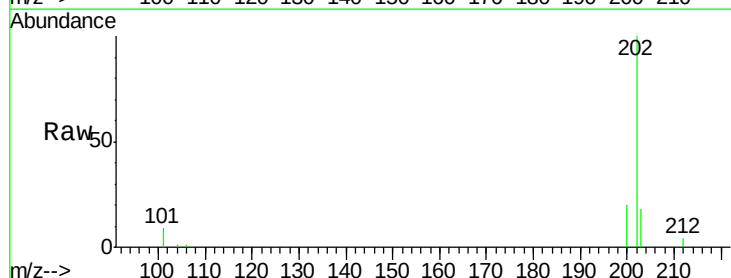
Tgt Ion:202 Resp: 34099

Ion Ratio Lower Upper

202 100

101 8.7 0.0 29.6

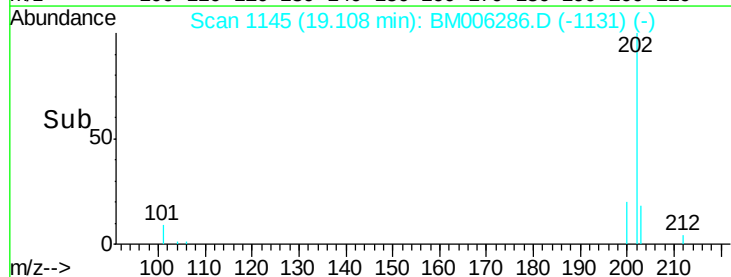
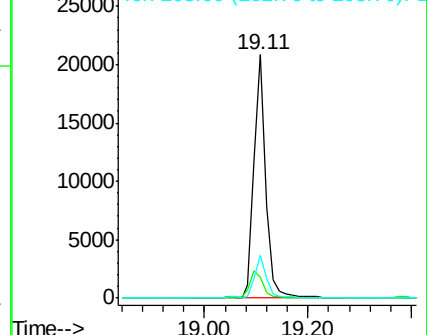
203 17.5 0.0 36.3

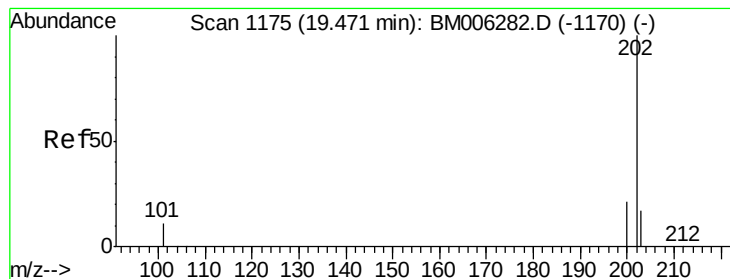


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.43 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. 0.00 min

Lab File: BM006286.D

Acq: 06 Jul 2016 17:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.440

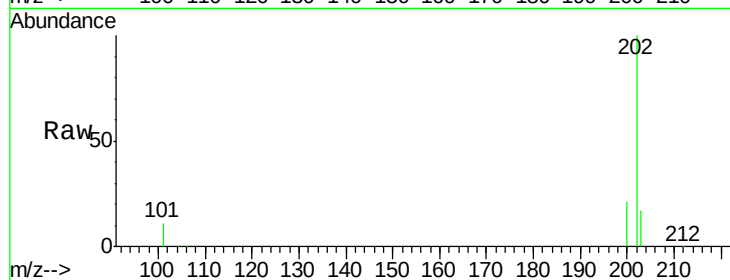
Tgt Ion:202 Resp: 32592

Ion Ratio Lower Upper

202 100

200 20.6 17.8 26.8

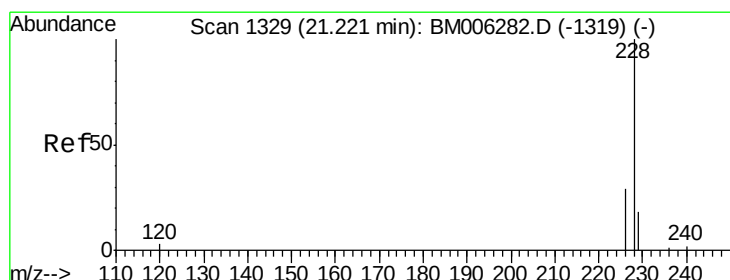
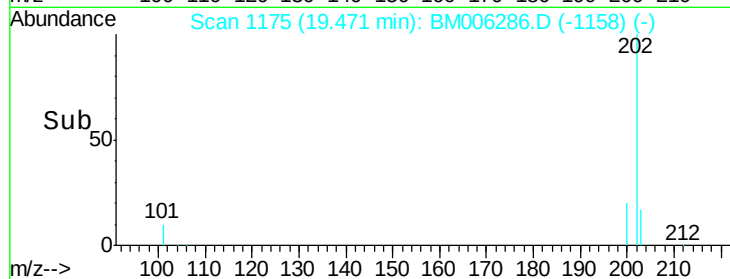
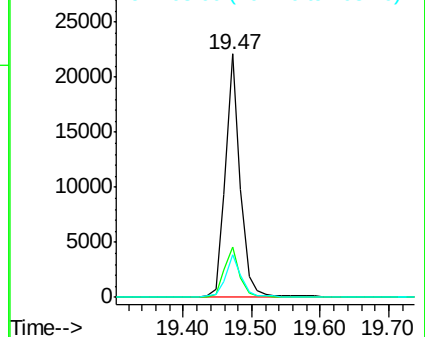
203 17.3 12.8 19.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#20

Benzo(a)anthracene

Concen: 0.44 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BM006286.D

Acq: 06 Jul 2016 17:13

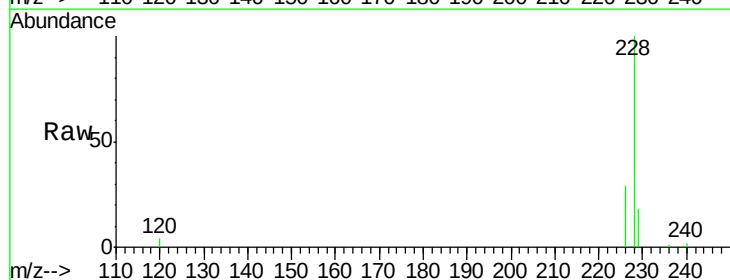
Tgt Ion:228 Resp: 25571

Ion Ratio Lower Upper

228 100

226 29.1 18.8 28.2#

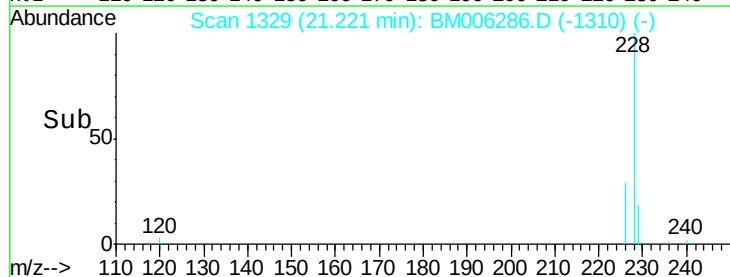
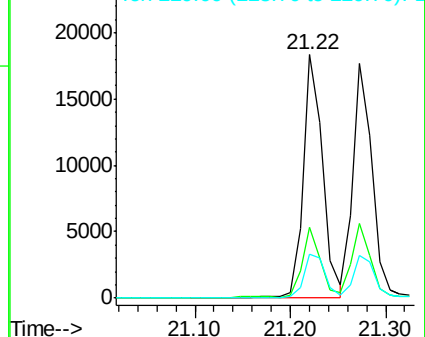
229 18.0 17.1 25.7

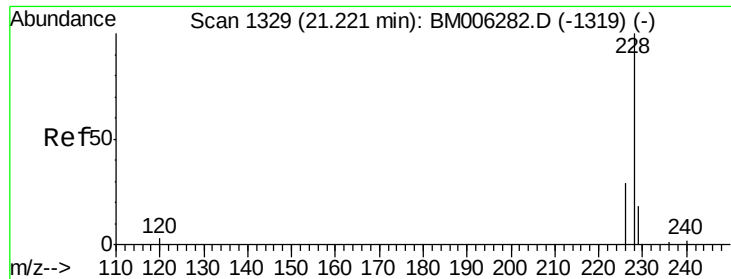


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.45 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. -0.05 min

Lab File: BM006286.D

Acq: 06 Jul 2016 17:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.440

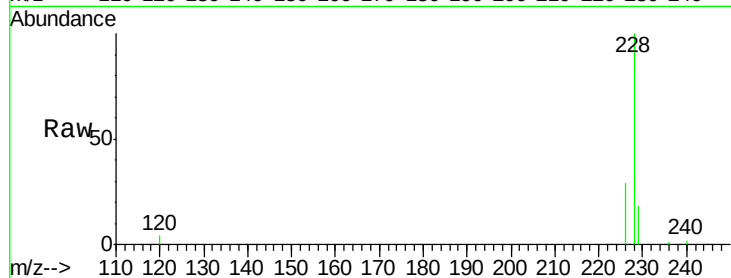
Tgt Ion:228 Resp: 25571

Ion Ratio Lower Upper

228 100

226 29.1 21.2 31.8

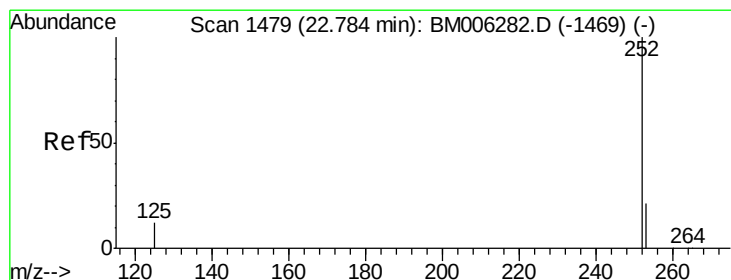
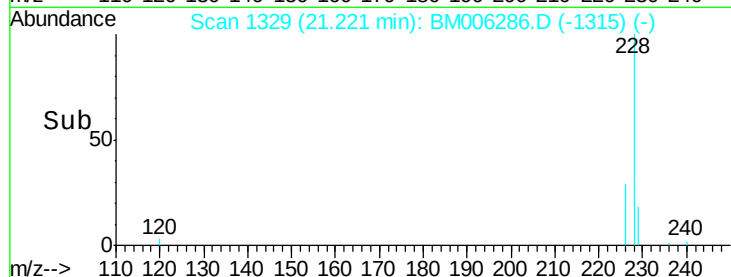
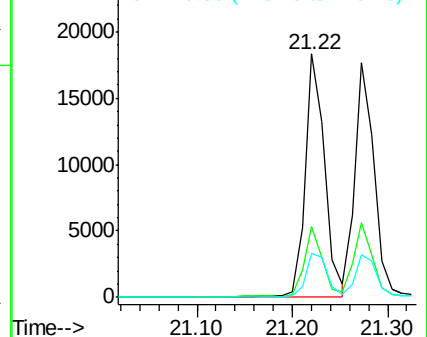
229 18.0 17.0 25.6



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



#23

Benzo(b)fluoranthene

Concen: 0.44 ng/ul

RT: 22.78 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006286.D

Acq: 06 Jul 2016 17:13

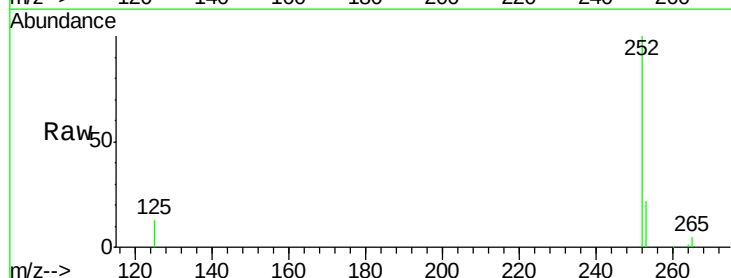
Tgt Ion:252 Resp: 21457

Ion Ratio Lower Upper

252 100

253 22.3 0.0 45.4

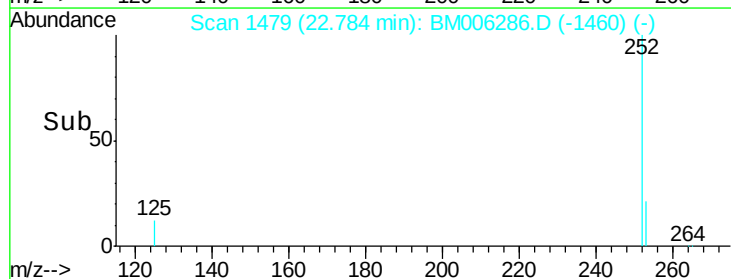
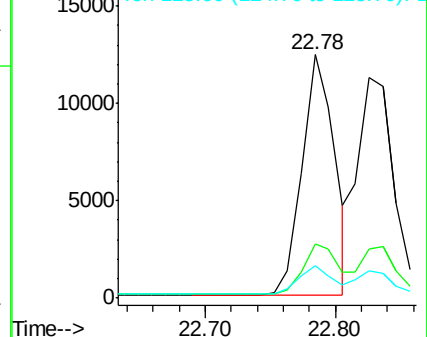
125 13.2 0.0 28.8

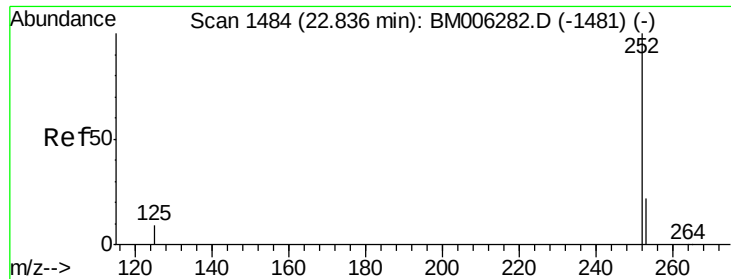


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.48 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BM006286.D

Acq: 06 Jul 2016 17:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.440

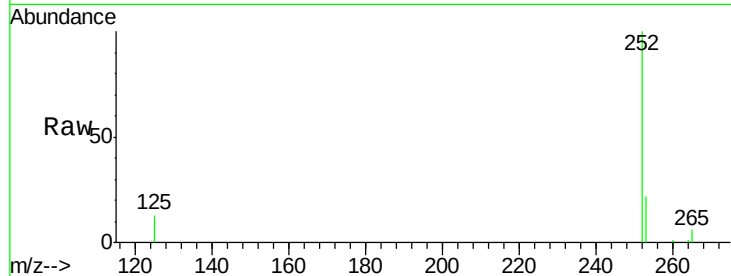
Tgt Ion:252 Resp: 21644

Ion Ratio Lower Upper

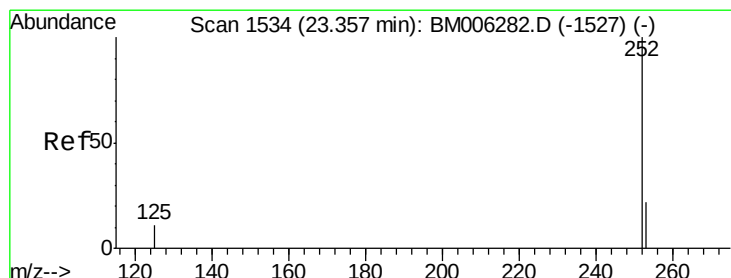
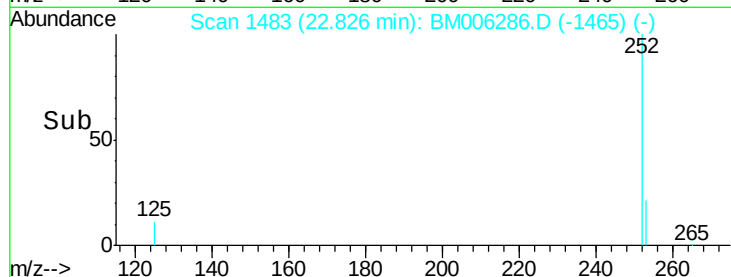
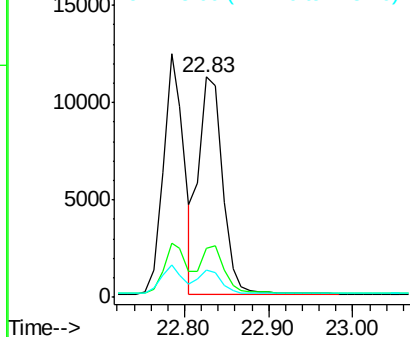
252 100

253 22.3 19.8 29.8

125 12.6 10.4 15.6



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(a)pyrene

Concen: 0.44 ng/ul

RT: 23.36 min Scan# 1534

Delta R.T. 0.00 min

Lab File: BM006286.D

Acq: 06 Jul 2016 17:13

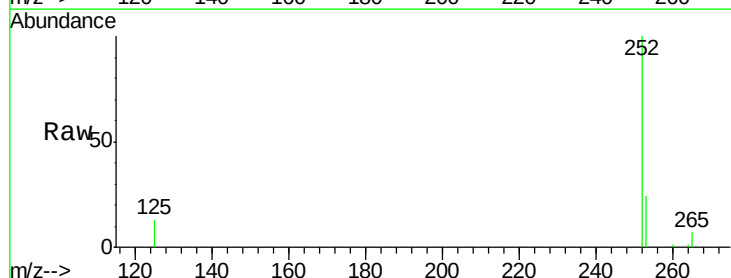
Tgt Ion:252 Resp: 20013

Ion Ratio Lower Upper

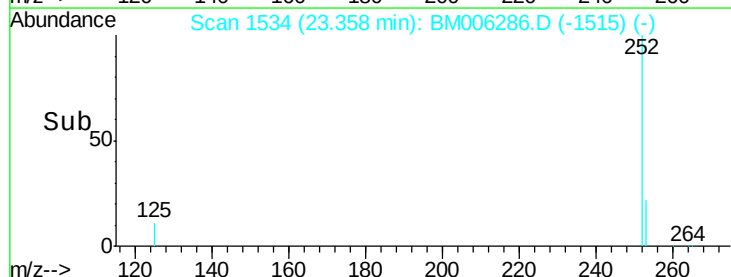
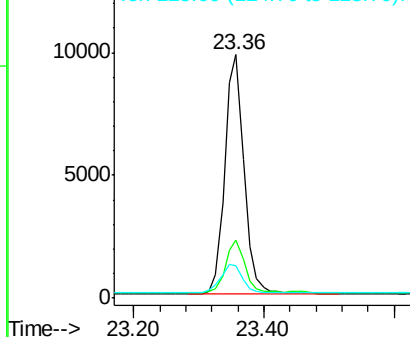
252 100

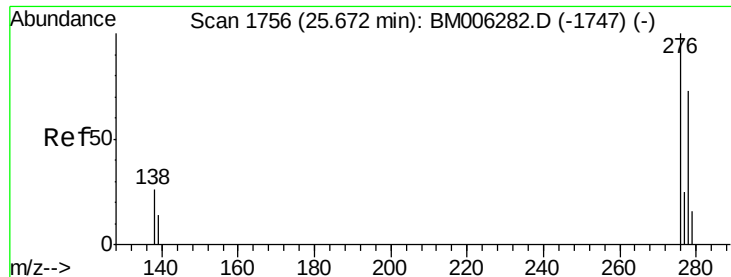
253 23.7 19.4 29.2

125 13.4 12.7 19.1



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





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.43 ng/ul

RT: 25.67 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BM006286.D

Acq: 06 Jul 2016 17:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.440

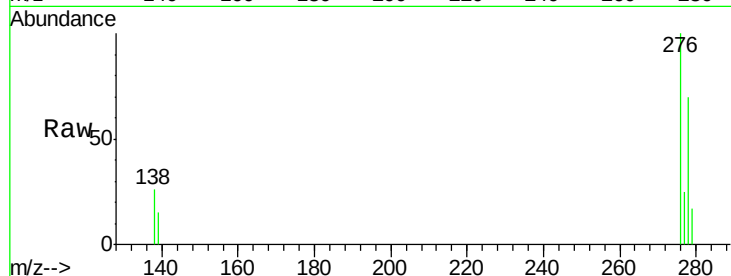
Tgt Ion:276 Resp: 21868

Ion Ratio Lower Upper

276 100

138 26.4 16.3 24.5#

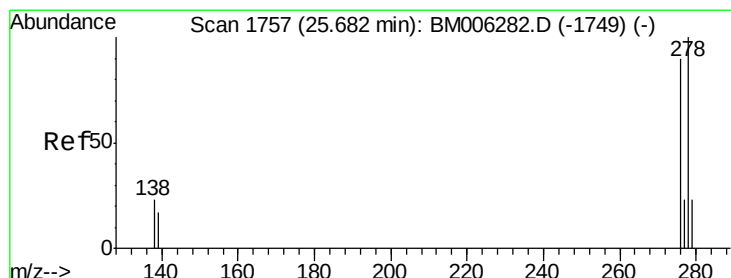
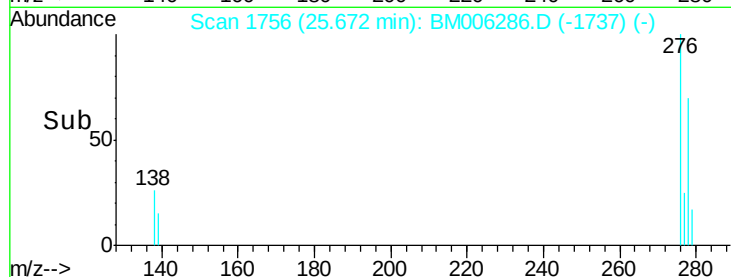
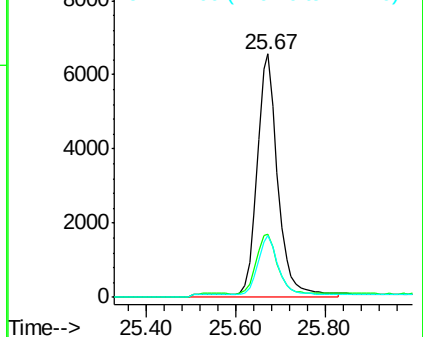
277 24.3 19.8 29.8



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



#27

Dibenzo(a,h)anthracene

Concen: 0.41 ng/ul

RT: 25.68 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BM006286.D

Acq: 06 Jul 2016 17:13

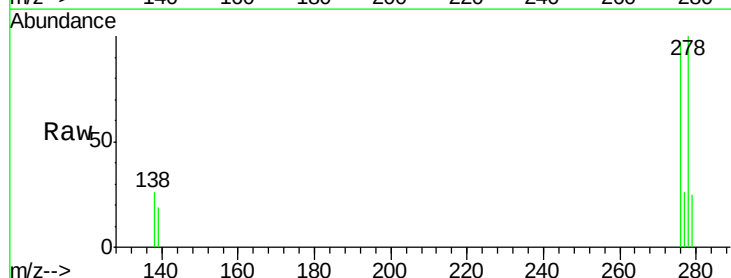
Tgt Ion:278 Resp: 16150

Ion Ratio Lower Upper

278 100

139 19.0 16.4 24.6

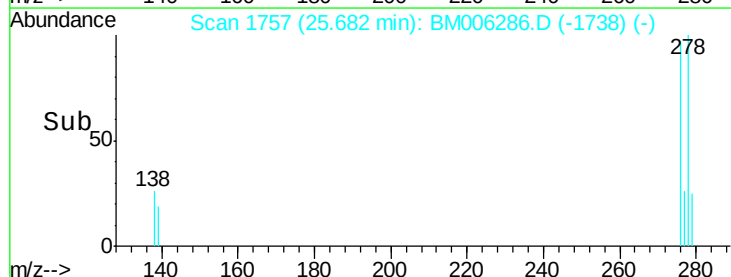
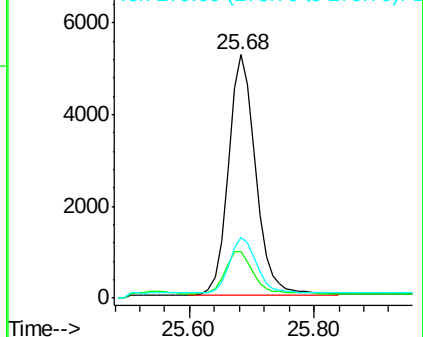
279 24.8 20.2 30.2

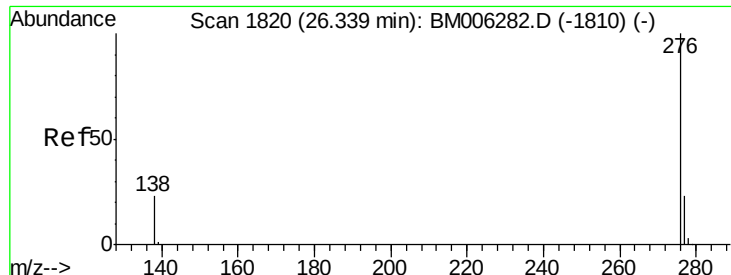


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.41 ng/ul

RT: 26.34 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BM006286.D

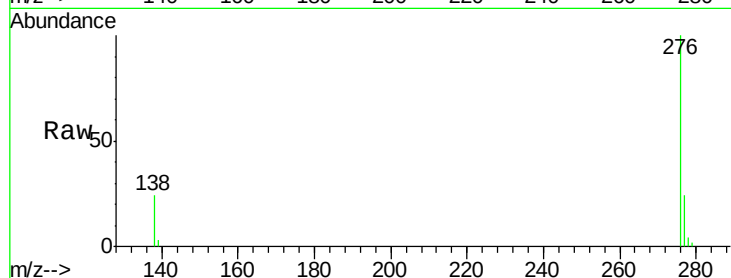
Acq: 06 Jul 2016 17:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.440



Tgt Ion: 276 Resp: 17367

Ion Ratio Lower Upper

276 100

277 24.0 18.9 28.3

138 24.5 22.5 33.7

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

