

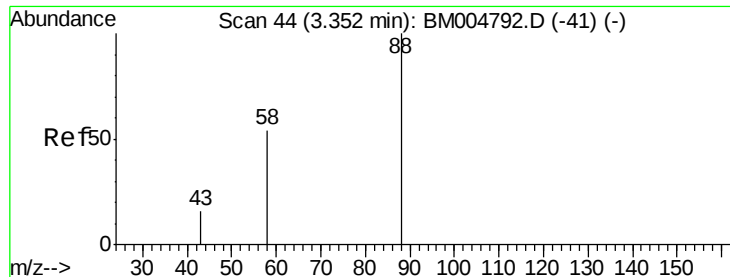
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032516\
 Data File : BM004799.D
 Acq On : 26 Mar 2016 04:46
 Operator : UM/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.444

Quant Time: Mar 26 05:41:11 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 26 05:39:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1218	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5420	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.45	164	3092	5.00	ng/ul	-0.02
12) Phenanthrene-d10	17.19	188	7017	5.00	ng/ul	-0.02
18) Chrysene-d12	21.39	240	7909	5.00	ng/ul	0.00
22) Perylene-d12	23.67	264	6846	5.00	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	1038	1.89	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	2900	0.38	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	7220	0.44	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.35	88	1256	1.88	ng/ul#	23
5) Naphthalene	10.67	128	5259	0.40	ng/ul	96
7) 2-Methylnaphthalene	12.28	142	3790	0.40	ng/ul	100
9) Acenaphthylene	14.18	152	5943	0.42	ng/ul#	94
10) Acenaphthene	14.52	153	4342	0.43	ng/ul	92
11) Fluorene	15.51	166	5048	0.42	ng/ul	94
13) Pentachlorophenol	16.85	266	745	0.42	ng/ul	95
14) Phenanthrene	17.24	178	9622	0.49	ng/ul	97
15) Anthracene	17.33	178	8023	0.43	ng/ul	98
17) Fluoranthene	19.26	202	11414	0.51	ng/ul	95
19) Pyrene	19.62	202	12085	0.45	ng/ul	99
20) Benzo(a)anthracene	21.37	228	10767	0.44	ng/ul	95
21) Chrysene	21.42	228	10255	0.44	ng/ul	96
23) Benzo(b)fluoranthene	22.99	252	10669	0.46	ng/ul	92
24) Benzo(k)fluoranthene	23.03	252	8905	0.42	ng/ul#	94
25) Benzo(a)pyrene	23.57	252	9135	0.43	ng/ul#	95
26) Indeno(1,2,3-cd)pyrene	25.99	276	8455	0.43	ng/ul#	84
27) Dibenzo(a,h)anthracene	26.01	278	6570	0.43	ng/ul#	90
28) Benzo(g,h,i)perylene	26.70	276	6989	0.43	ng/ul#	89

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



#3

1,4-Dioxane

Concen: 1.88 ng/ul

RT: 3.35 min Scan# 44

Delta R.T. -0.00 min

Lab File: BM004799.D

Acq: 26 Mar 2016 04:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

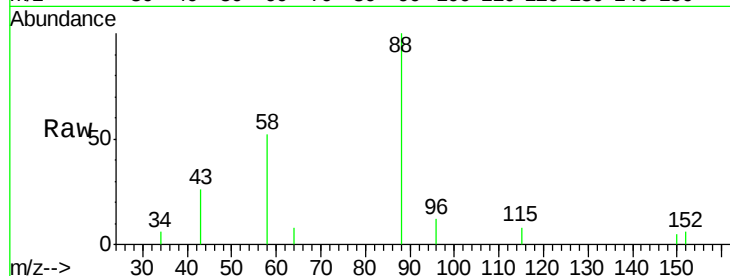
Tgt Ion: 88 Resp: 1256

Ion Ratio Lower Upper

88 100

58 56.9 8.0 12.0#

43 20.3 8.0 12.0#

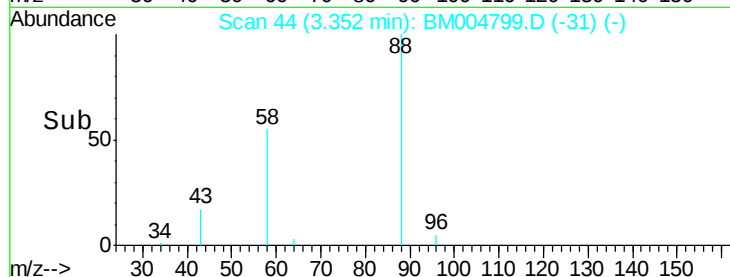


Abundance Ion 88.00 (87.70 to 88.70): BM004792.D (-41) (-)

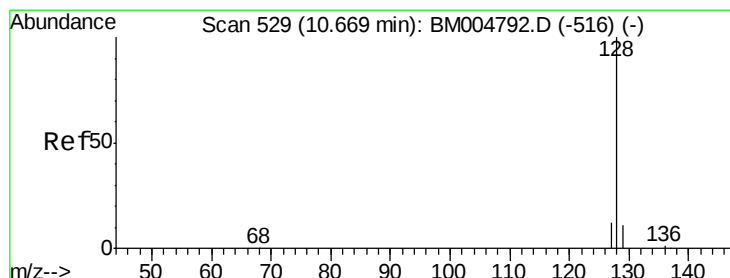
Ion 58.00 (57.70 to 58.70): BM004792.D (-41) (-)

Ion 43.00 (42.70 to 43.70): BM004792.D (-41) (-)

Time-->



Time-->



#5

Naphthalene

Concen: 0.40 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004799.D

Acq: 26 Mar 2016 04:46

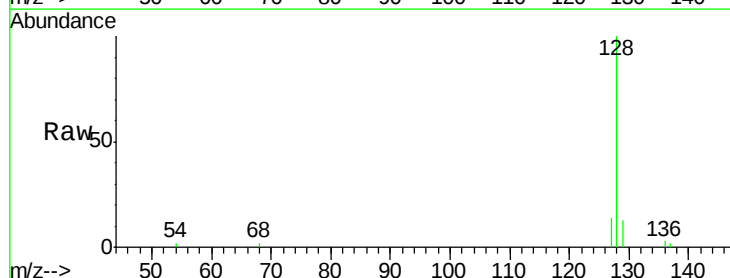
Tgt Ion: 128 Resp: 5259

Ion Ratio Lower Upper

128 100

129 12.8 9.0 13.6

127 13.8 9.6 14.4

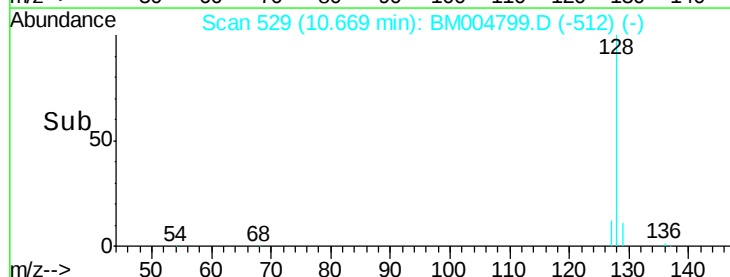


Abundance Ion 128.00 (127.70 to 128.70): BM004792.D (-516) (-)

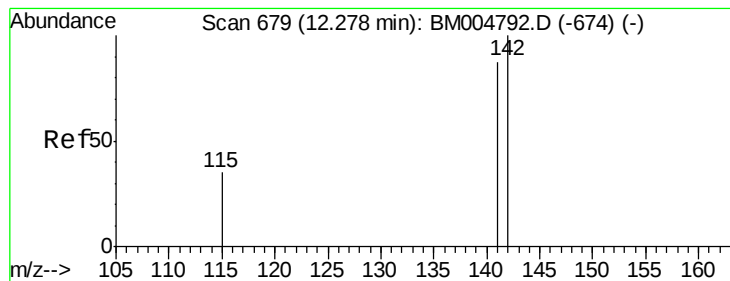
Ion 129.00 (128.70 to 129.70): BM004792.D (-516) (-)

Ion 127.00 (126.70 to 127.70): BM004792.D (-516) (-)

Time-->



Time-->



#7

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. -0.00 min

Lab File: BM004799.D

Acq: 26 Mar 2016 04:46

Instrument :

BNA_M

ClientSampleId :

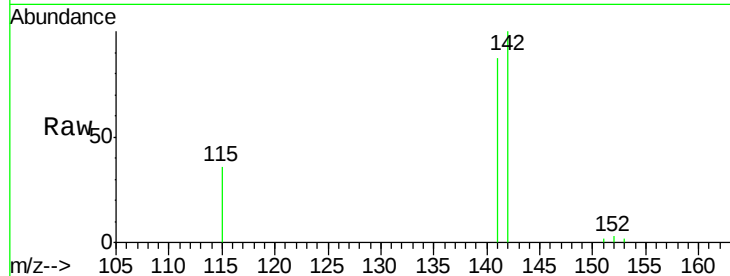
SSTD0.444

Tgt Ion:142 Resp: 3790

Ion Ratio Lower Upper

142 100

141 88.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.28

2500

2000

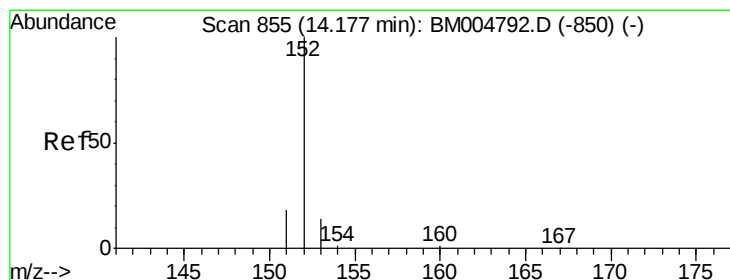
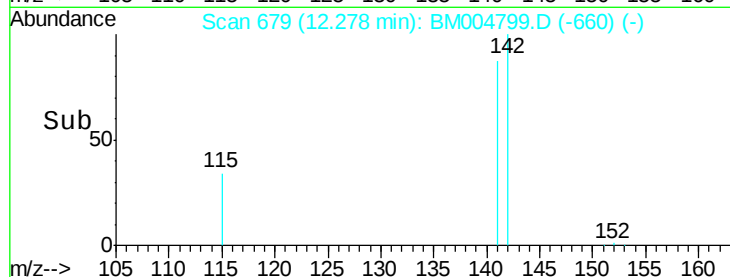
1500

1000

500

0

Time--> 12.20 12.30 12.40 12.50



#9

Acenaphthylene

Concen: 0.42 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004799.D

Acq: 26 Mar 2016 04:46

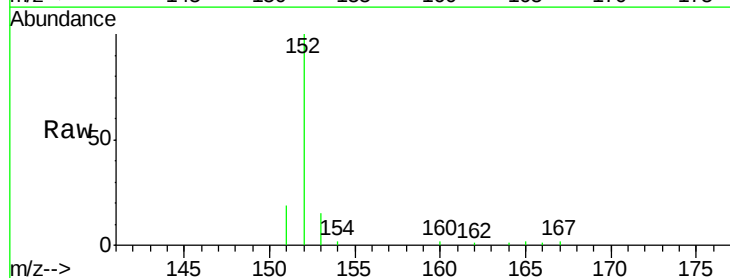
Tgt Ion:152 Resp: 5943

Ion Ratio Lower Upper

152 100

151 19.1 17.6 26.4

153 14.8 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

14.18

4000

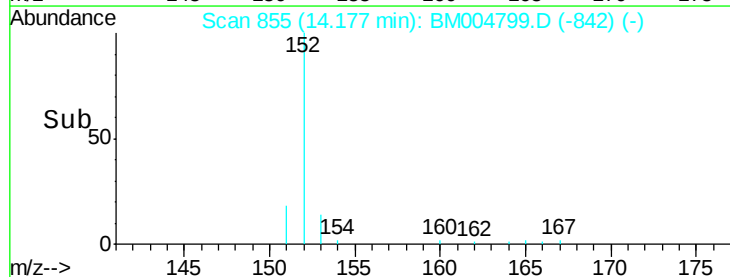
3000

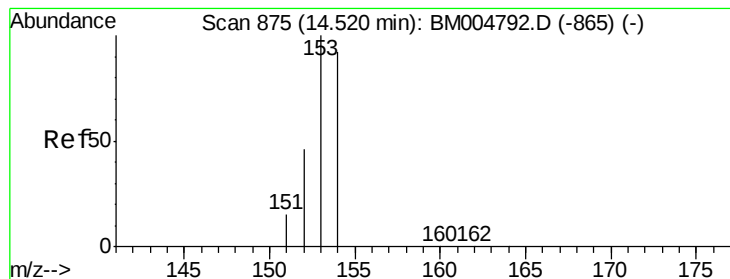
2000

1000

0

Time--> 14.00 14.20





#10

Acenaphthene

Concen: 0.43 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004799.D

Acq: 26 Mar 2016 04:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

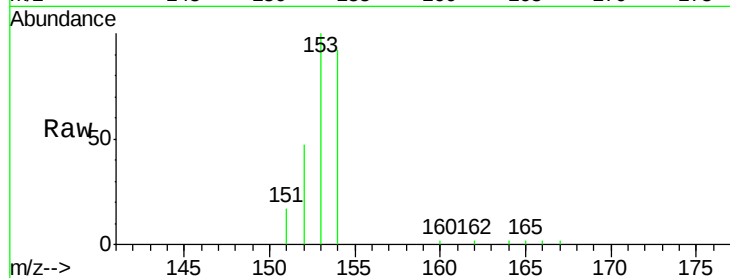
Tgt Ion:153 Resp: 4342

Ion Ratio Lower Upper

153 100

152 46.7 33.9 50.9

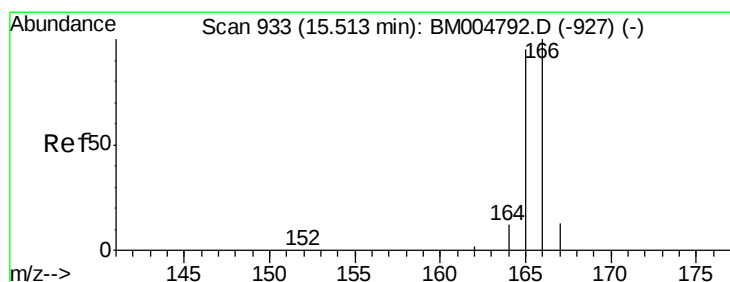
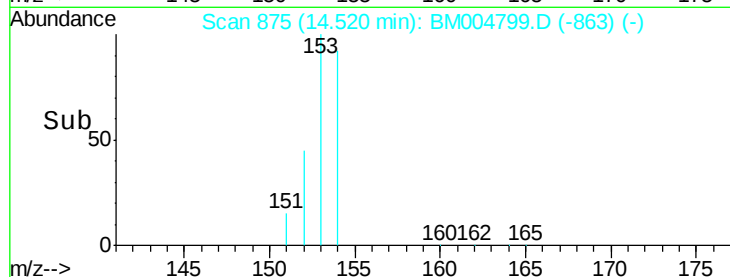
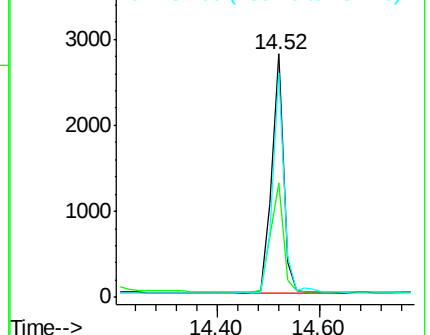
154 92.4 80.6 121.0



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: 0.42 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. -0.00 min

Lab File: BM004799.D

Acq: 26 Mar 2016 04:46

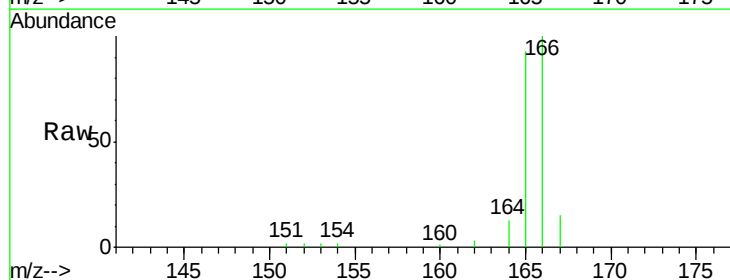
Tgt Ion:166 Resp: 5048

Ion Ratio Lower Upper

166 100

165 92.9 69.6 104.4

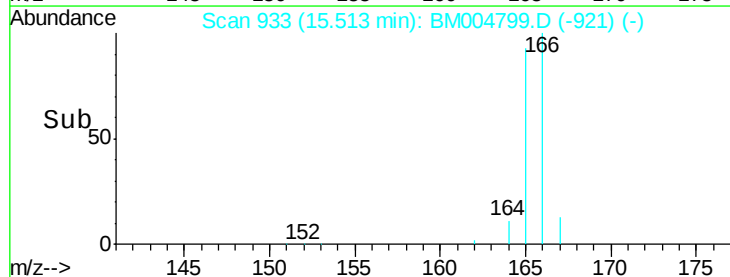
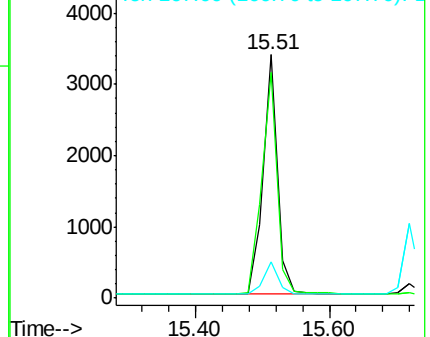
167 14.9 11.9 17.9

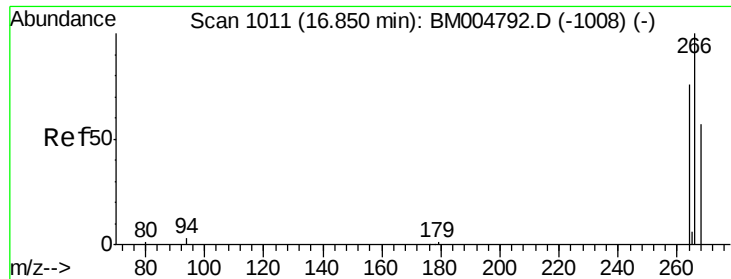


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

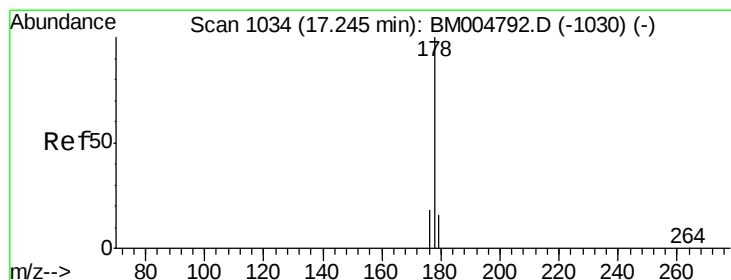
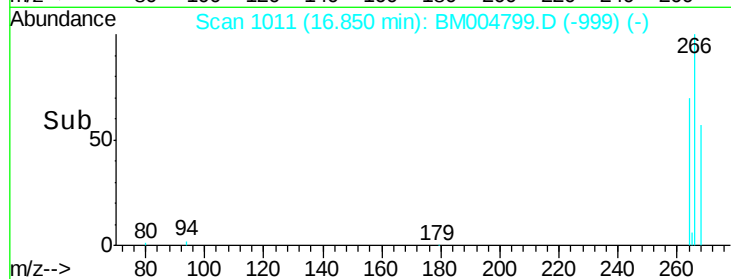
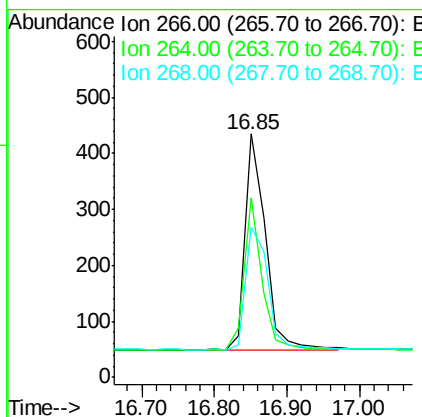
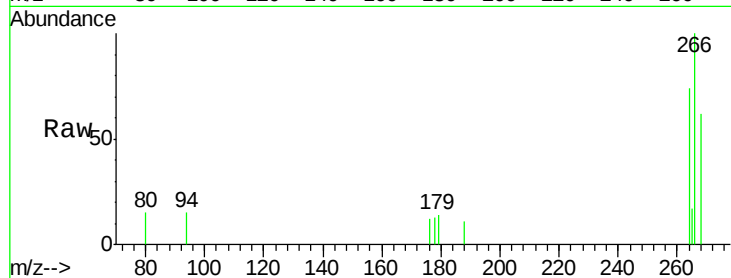




#13
 Pentachlorophenol
 Concen: 0.42 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: BM004799.D
 Acq: 26 Mar 2016 04:46

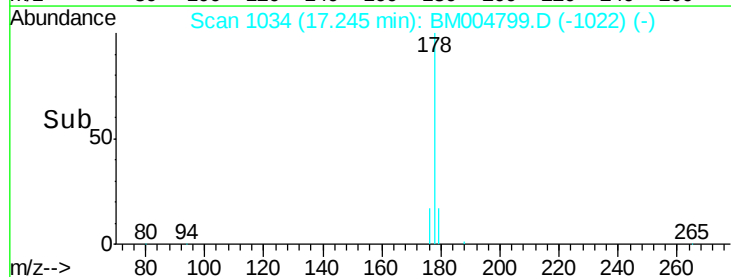
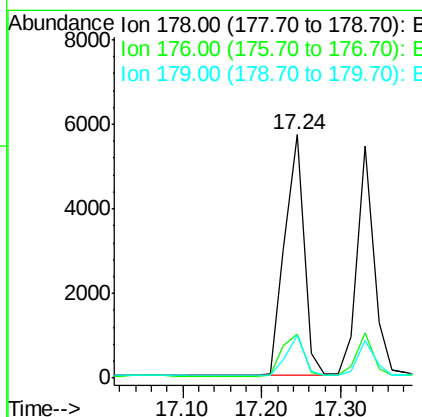
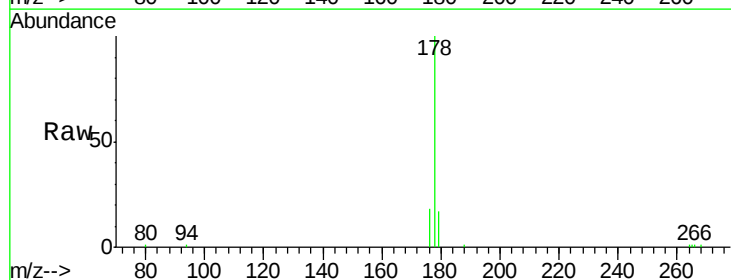
Instrument :
 BNA_M
 ClientSampleId :
 SST0.444

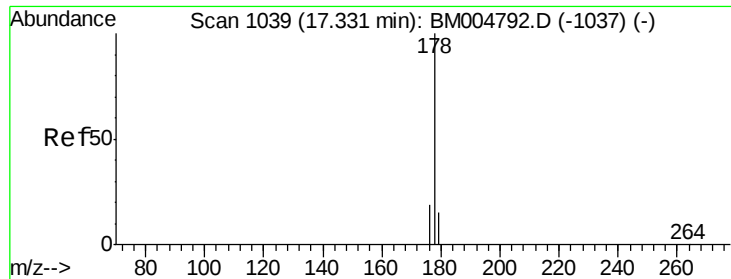
Tgt Ion: 266 Resp: 745
 Ion Ratio Lower Upper
 266 100
 264 62.6 51.8 77.8
 268 64.2 46.8 70.2



#14
 Phenanthrene
 Concen: 0.49 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BM004799.D
 Acq: 26 Mar 2016 04:46

Tgt Ion: 178 Resp: 9622
 Ion Ratio Lower Upper
 178 100
 176 18.1 13.0 19.4
 179 17.3 14.2 21.2





#15

Anthracene

Concen: 0.43 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM004799.D

Acq: 26 Mar 2016 04:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

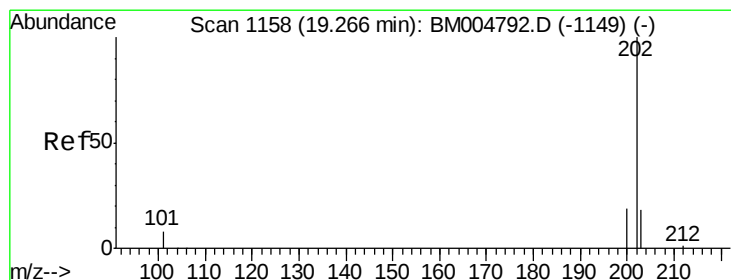
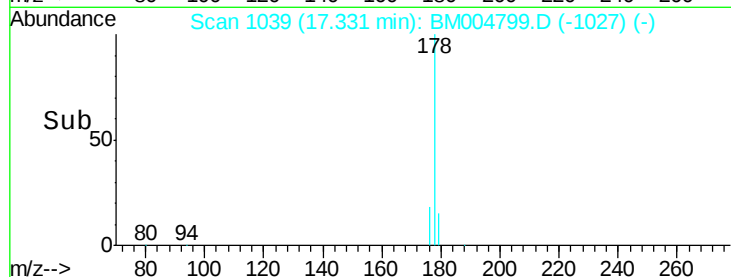
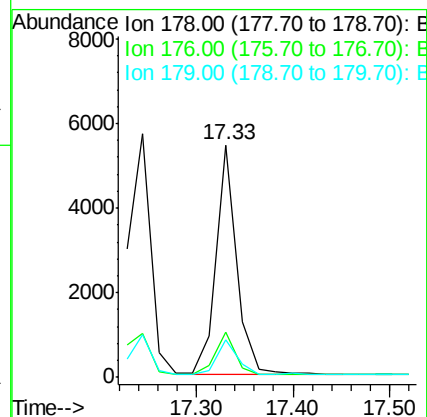
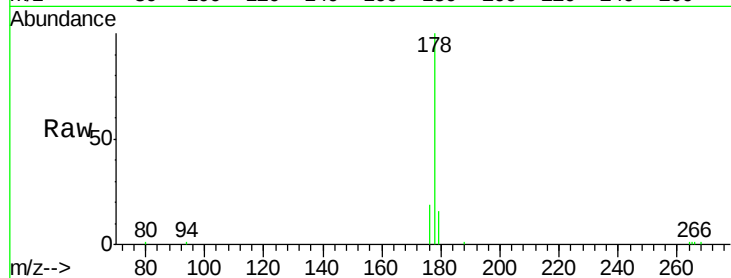
Tgt Ion:178 Resp: 8023

Ion Ratio Lower Upper

178 100

176 19.3 14.0 21.0

179 15.9 12.9 19.3



#17

Fluoranthene

Concen: 0.51 ng/ul

RT: 19.26 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BM004799.D

Acq: 26 Mar 2016 04:46

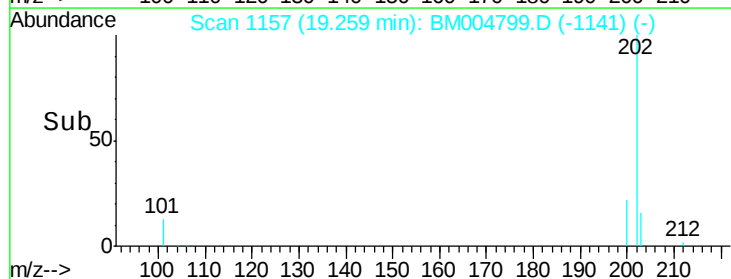
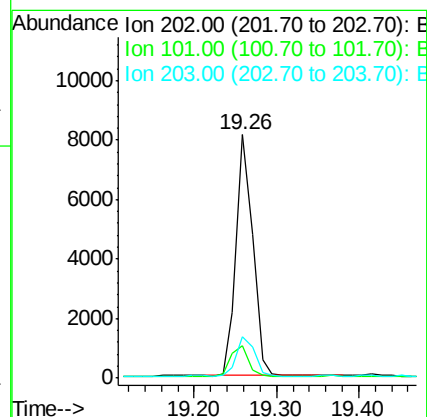
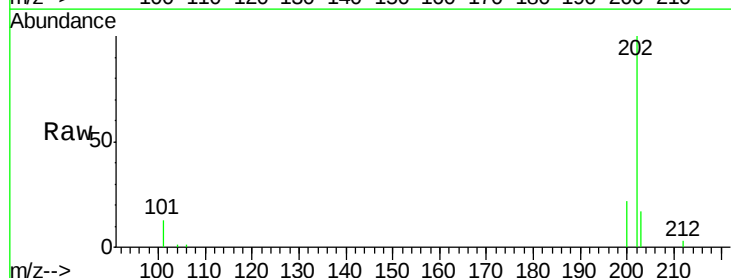
Tgt Ion:202 Resp: 11414

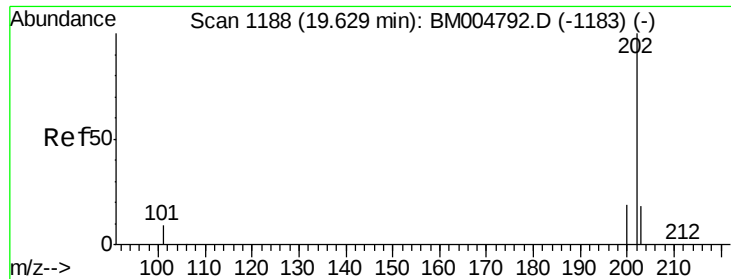
Ion Ratio Lower Upper

202 100

101 13.3 0.0 29.6

203 16.9 0.0 36.3





#19

Pyrene

Concen: 0.45 ng/ul

RT: 19.62 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BM004799.D

Acq: 26 Mar 2016 04:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

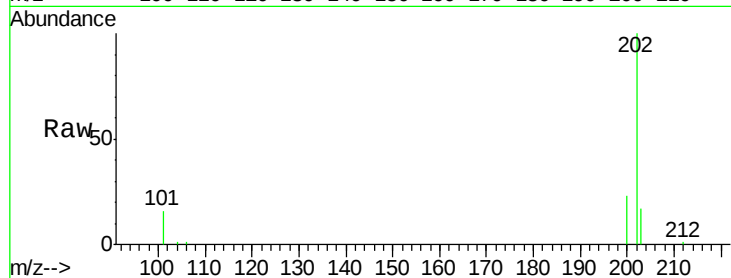
Tgt Ion:202 Resp: 12085

Ion Ratio Lower Upper

202 100

200 22.8 17.8 26.8

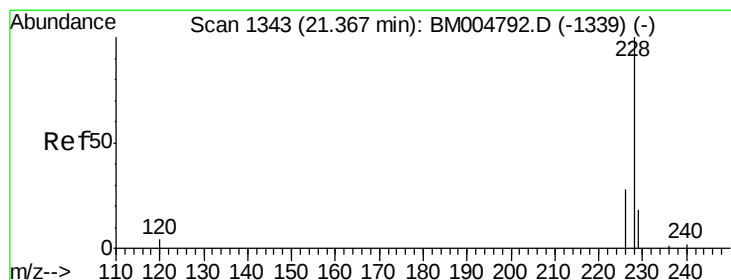
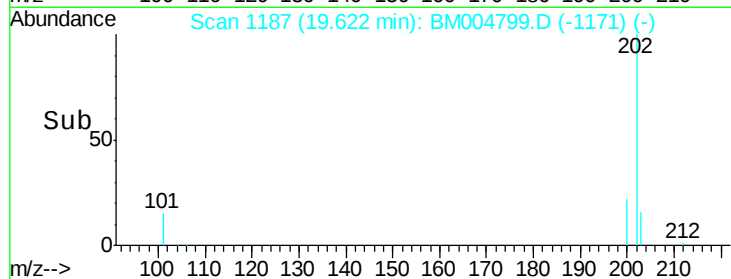
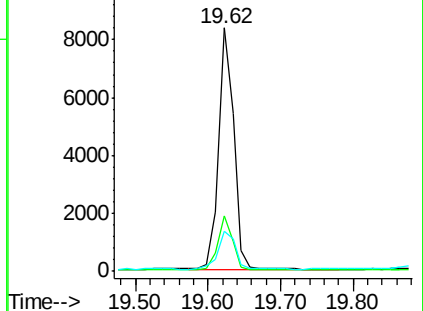
203 16.7 12.8 19.2



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: 21.37 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BM004799.D

Acq: 26 Mar 2016 04:46

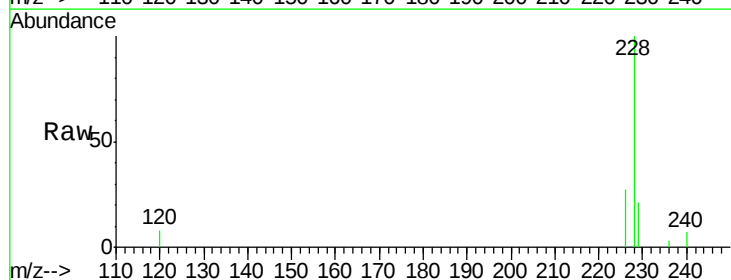
Tgt Ion:228 Resp: 10767

Ion Ratio Lower Upper

228 100

226 27.1 18.8 28.2

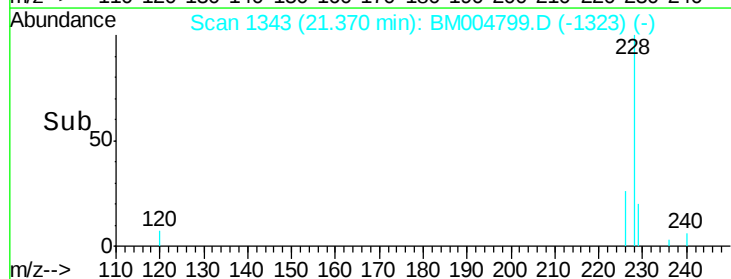
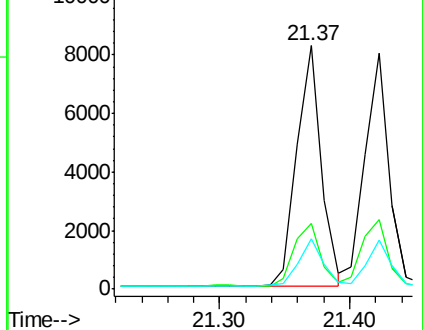
229 20.7 17.1 25.7

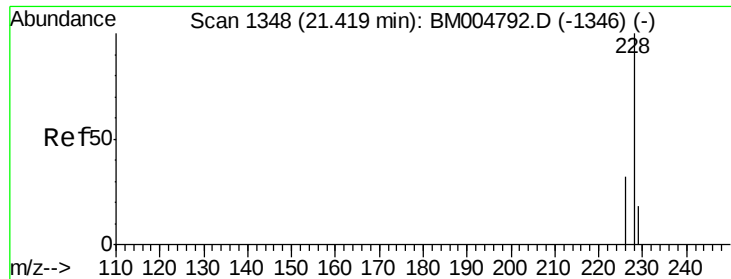


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.44 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BM004799.D

Acq: 26 Mar 2016 04:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

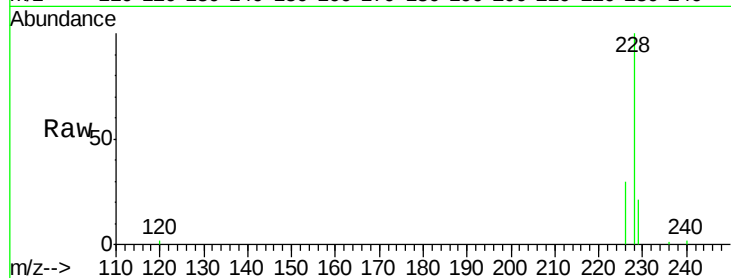
Tgt Ion:228 Resp: 10255

Ion Ratio Lower Upper

228 100

226 29.5 21.2 31.8

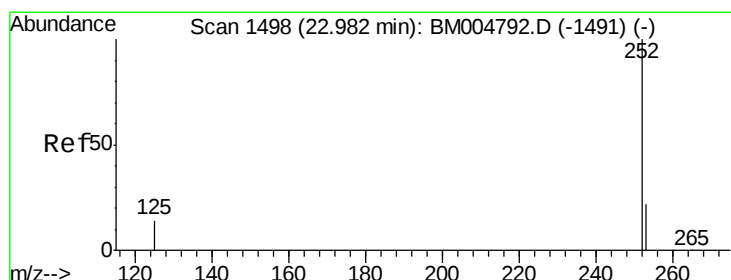
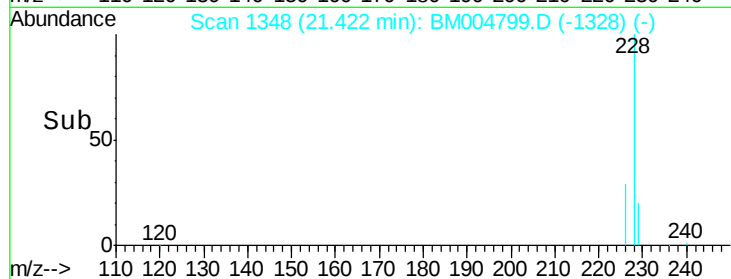
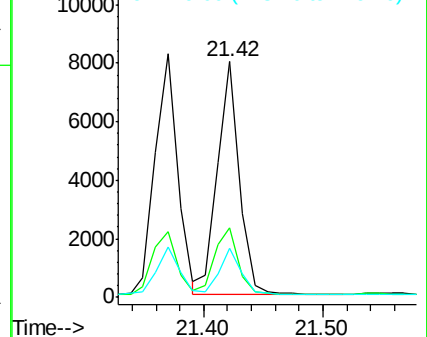
229 20.9 17.0 25.6



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: 0.46 ng/ul

RT: 22.99 min Scan# 1498

Delta R.T. 0.00 min

Lab File: BM004799.D

Acq: 26 Mar 2016 04:46

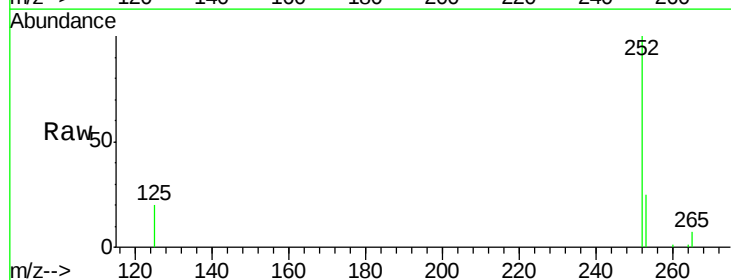
Tgt Ion:252 Resp: 10669

Ion Ratio Lower Upper

252 100

253 24.8 0.0 45.4

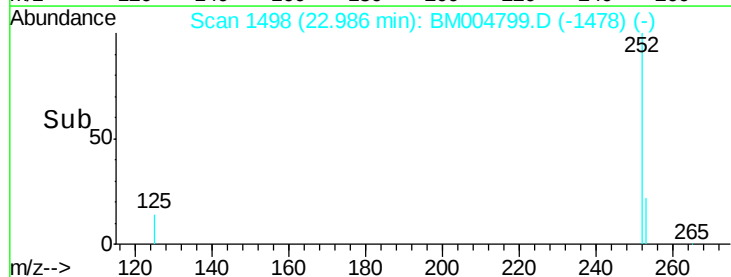
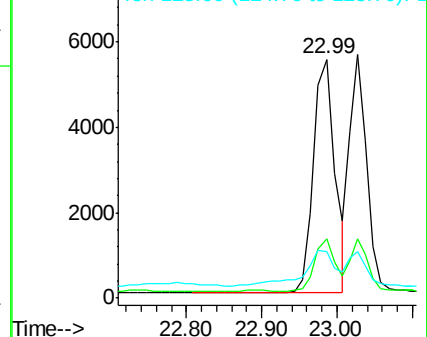
125 19.6 0.0 28.8

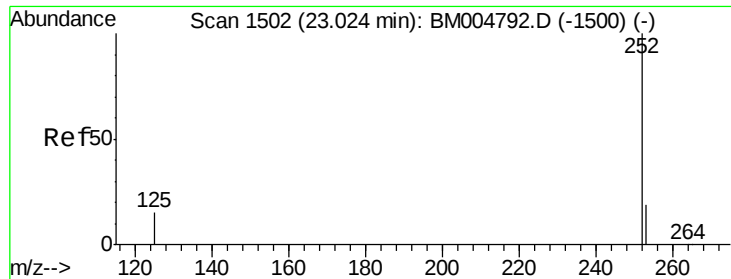


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.42 ng/ul

RT: 23.03 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BM004799.D

Acq: 26 Mar 2016 04:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

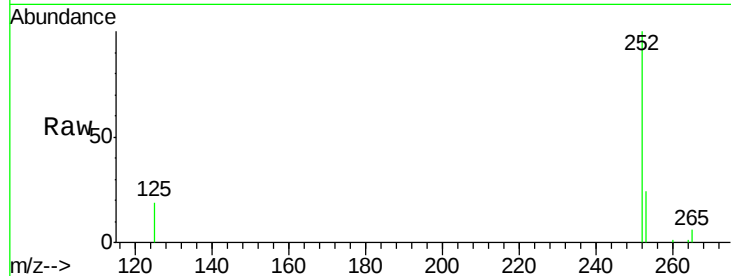
Tgt Ion:252 Resp: 8905

Ion Ratio Lower Upper

252 100

253 24.1 19.8 29.8

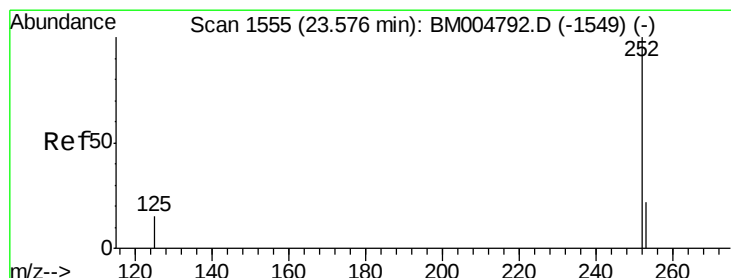
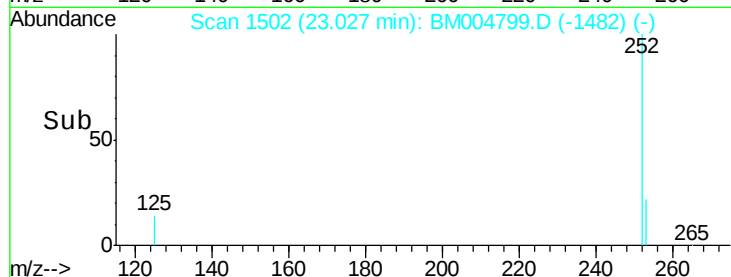
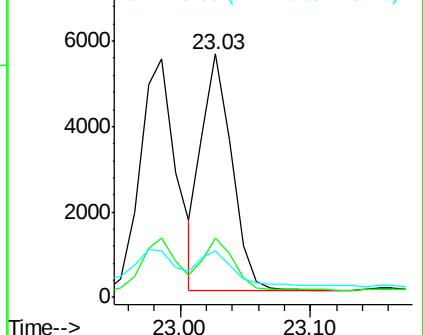
125 19.0 10.4 15.6#



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: 0.43 ng/ul

RT: 23.57 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BM004799.D

Acq: 26 Mar 2016 04:46

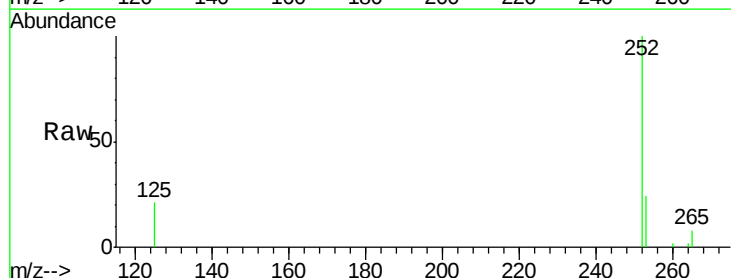
Tgt Ion:252 Resp: 9135

Ion Ratio Lower Upper

252 100

253 23.9 19.4 29.2

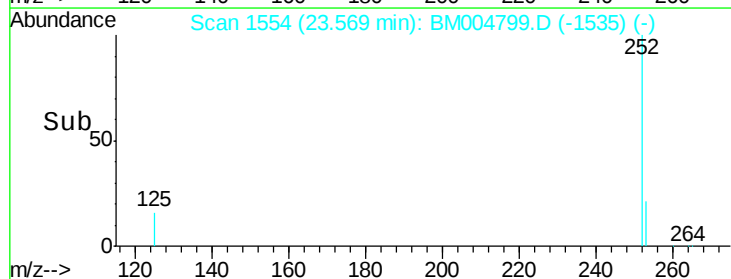
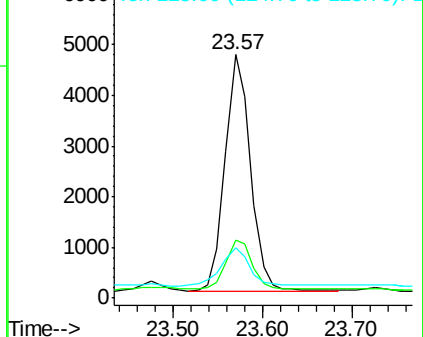
125 20.9 12.7 19.1#

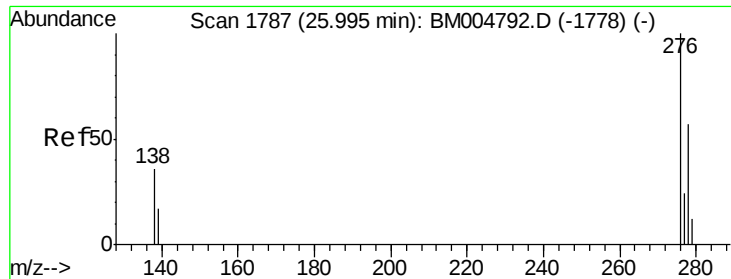


Abundance Ion 252.00 (251.70 to 252.70): E

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: 25.99 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BM004799.D

Acq: 26 Mar 2016 04:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.444

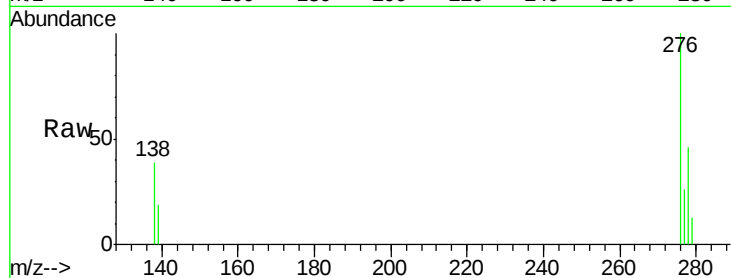
Tgt Ion:276 Resp: 8455

Ion Ratio Lower Upper

276 100

138 36.4 16.3 24.5#

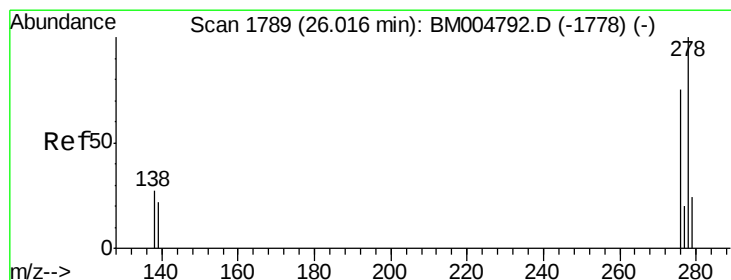
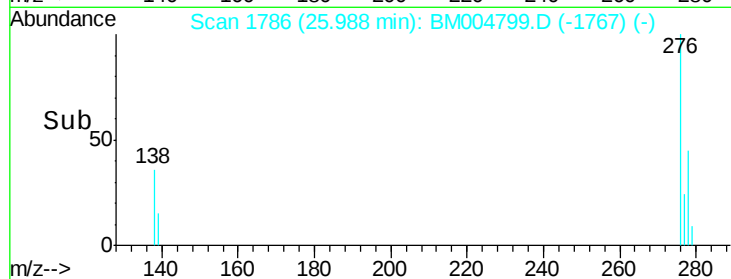
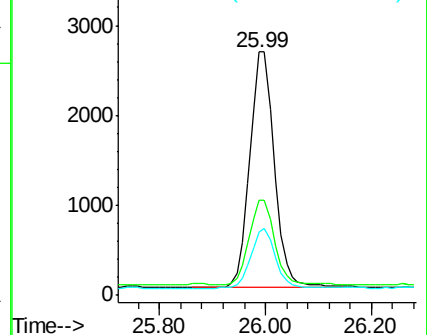
277 24.9 19.8 29.8



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: 0.43 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BM004799.D

Acq: 26 Mar 2016 04:46

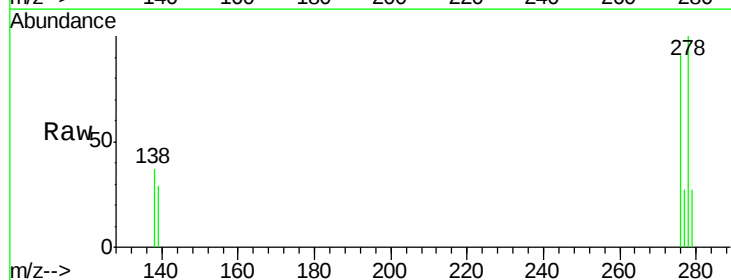
Tgt Ion:278 Resp: 6570

Ion Ratio Lower Upper

278 100

139 28.9 16.4 24.6#

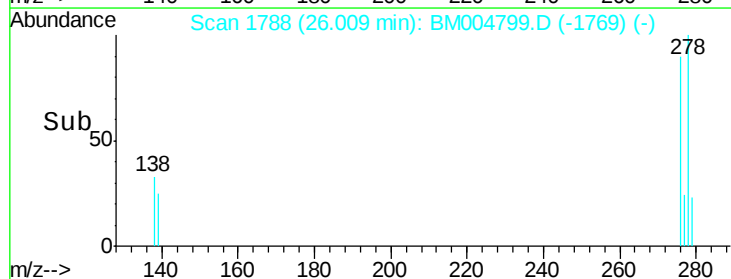
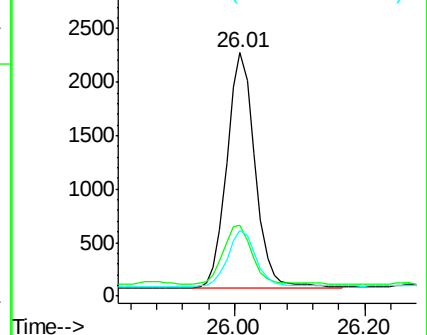
279 26.8 20.2 30.2

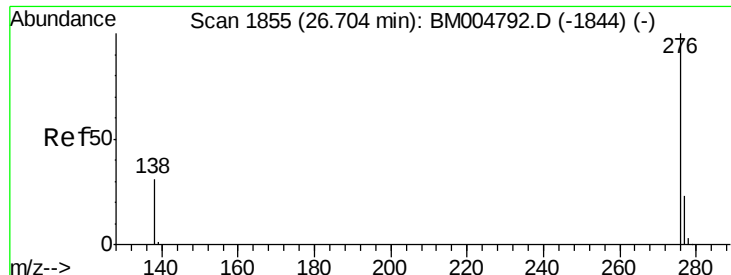


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.43 ng/ul

RT: 26.70 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BM004799.D

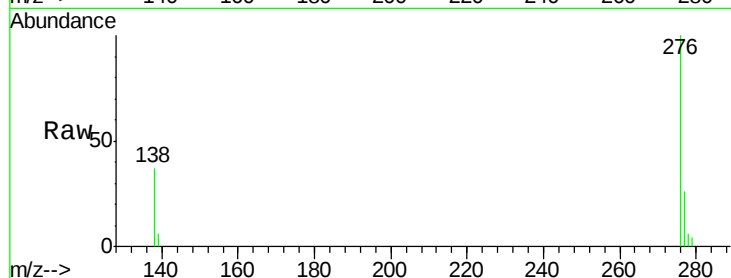
Acq: 26 Mar 2016 04:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.444



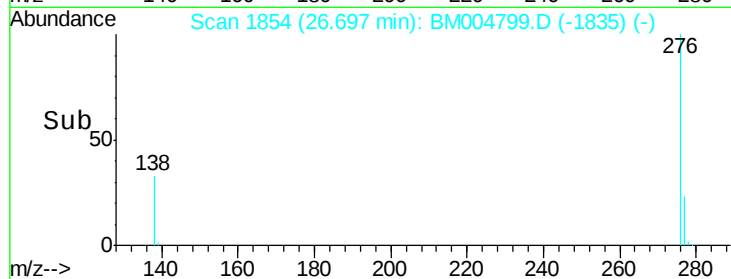
Tgt Ion: 276 Resp: 6989

Ion Ratio Lower Upper

276 100

277 25.8 18.9 28.3

138 37.0 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

