

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032516\
 Data File : BM004792.D
 Acq On : 25 Mar 2016 23:57
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.443

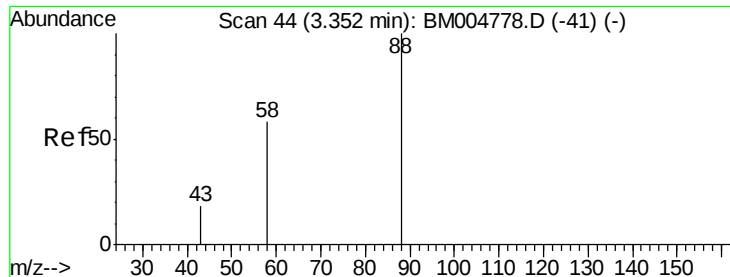
Quant Time: Mar 26 02:45:48 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 26 02:43:19 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	994	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	4370	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2588	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	5925	5.00	ng/ul	0.00
18) Chrysene-d12	21.39	240	6775	5.00	ng/ul	0.00
22) Perylene-d12	23.68	264	6819	5.00	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	898	2.00	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	2379	0.39	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	5836	0.42	ng/ul	0.00

Target Compounds				Qvalue		
3) 1,4-Dioxane	3.35	88	1098	2.01	ng/ul#	25
5) Naphthalene	10.67	128	4207	0.40	ng/ul	95
7) 2-Methylnaphthalene	12.28	142	3040	0.40	ng/ul	100
9) Acenaphthylene	14.18	152	4724	0.40	ng/ul#	94
10) Acenaphthene	14.52	153	3492	0.41	ng/ul	91
11) Fluorene	15.51	166	4060	0.40	ng/ul	92
13) Pentachlorophenol	16.85	266	652	0.44	ng/ul	95
14) Phenanthrene	17.24	178	6753	0.41	ng/ul	97
15) Anthracene	17.33	178	6303	0.40	ng/ul	97
17) Fluoranthene	19.27	202	8056	0.43	ng/ul	95
19) Pyrene	19.63	202	8507	0.37	ng/ul	94
20) Benzo(a)anthracene	21.37	228	8307	0.40	ng/ul#	92
21) Chrysene	21.37	228	8307	0.41	ng/ul	95
23) Benzo(b)fluoranthene	22.98	252	8907	0.39	ng/ul	97
24) Benzo(k)fluoranthene	23.02	252	8576	0.40	ng/ul#	94
25) Benzo(a)pyrene	23.58	252	8595	0.41	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.99	276	8968	0.46	ng/ul#	84
27) Dibenzo(a,h)anthracene	26.02	278	7179	0.47	ng/ul#	94
28) Benzo(g,h,i)perylene	26.70	276	7487	0.47	ng/ul	93

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



#3

1,4-Dioxane

Concen: 2.01 ng/ul

RT: 3.35 min Scan# 44

Delta R.T. 0.00 min

Lab File: BM004792.D

Acq: 25 Mar 2016 23:57

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

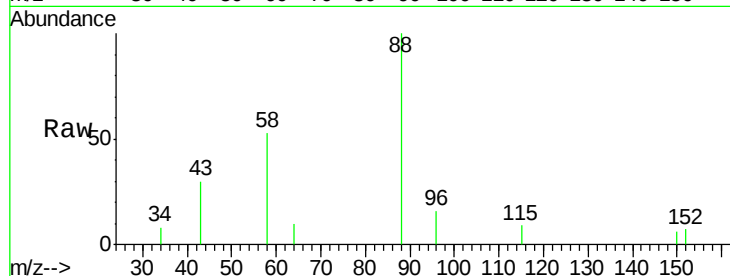
Tgt Ion: 88 Resp: 1098

Ion Ratio Lower Upper

88 100

58 55.6 8.0 12.0#

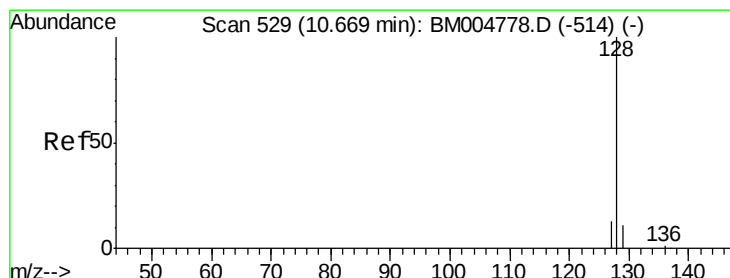
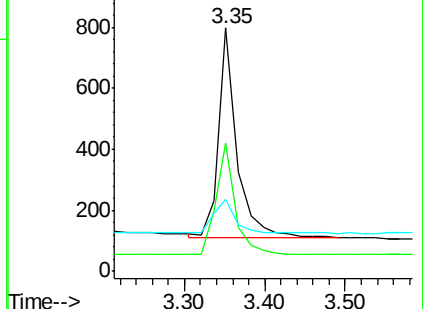
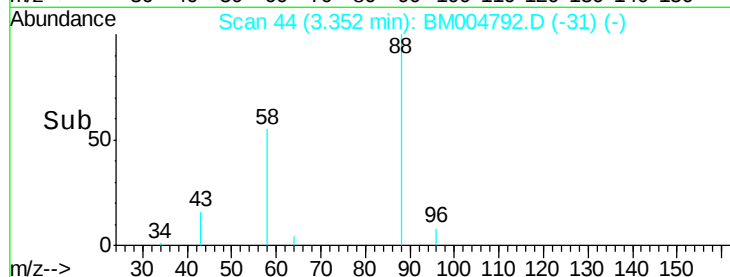
43 20.2 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM004778.D (-41) (-)

Ion 58.00 (57.70 to 58.70): BM004778.D (-41) (-)

Ion 43.00 (42.70 to 43.70): BM004778.D (-41) (-)



#5

Naphthalene

Concen: 0.40 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004792.D

Acq: 25 Mar 2016 23:57

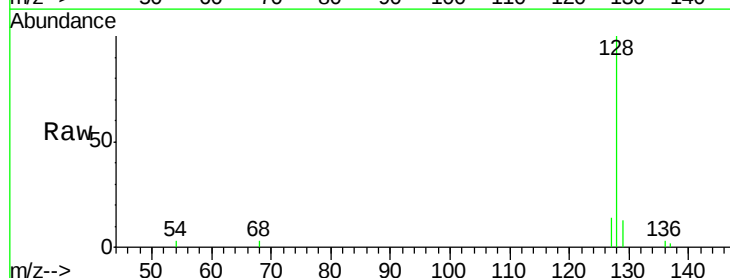
Tgt Ion: 128 Resp: 4207

Ion Ratio Lower Upper

128 100

129 12.9 9.0 13.6

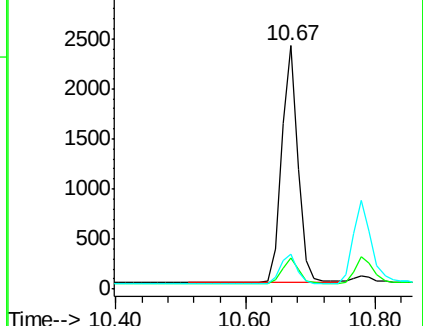
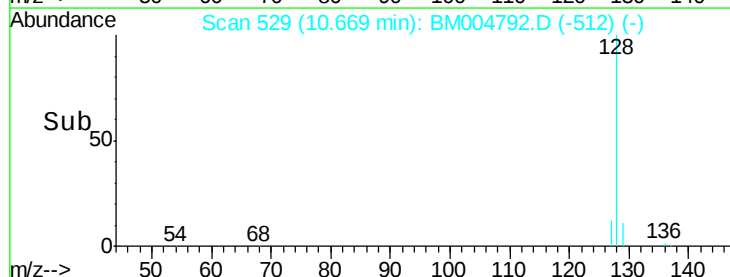
127 14.2 9.6 14.4

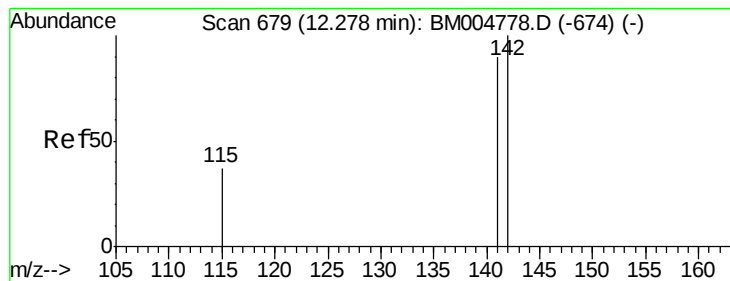


Abundance Ion 128.00 (127.70 to 128.70): BM004778.D (-514) (-)

Ion 129.00 (128.70 to 129.70): BM004778.D (-514) (-)

Ion 127.00 (126.70 to 127.70): BM004778.D (-514) (-)





#7

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004792.D

Acq: 25 Mar 2016 23:57

Instrument :

BNA_M

ClientSampleId :

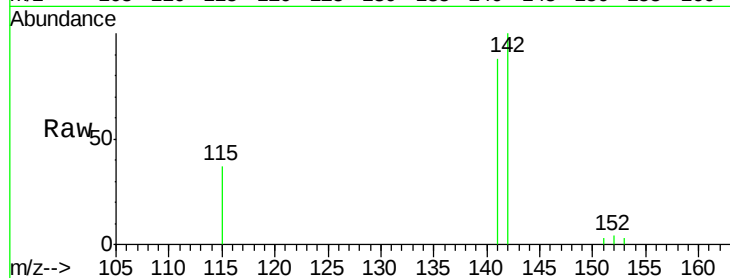
SSTD0.443

Tgt Ion:142 Resp: 3040

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

2000

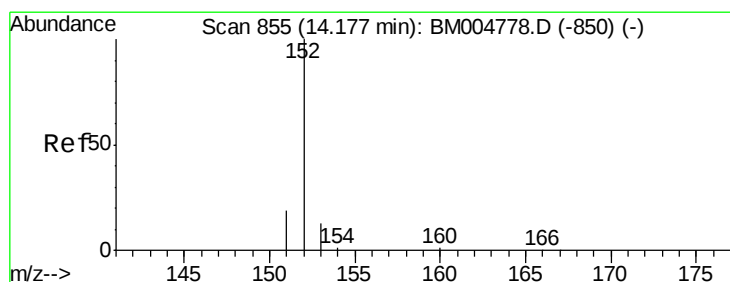
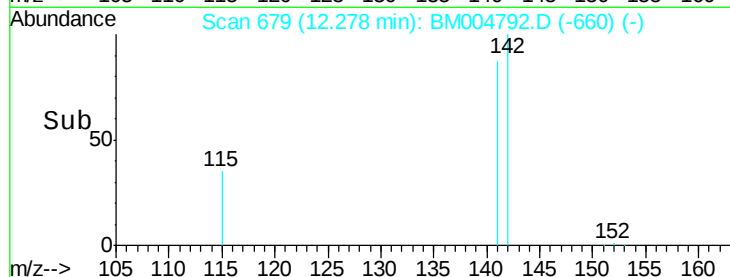
1500

1000

500

0

Time--> 12.20 12.30 12.40 12.50



#9

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004792.D

Acq: 25 Mar 2016 23:57

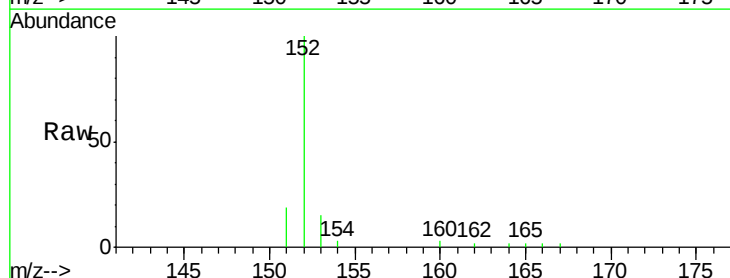
Tgt Ion:152 Resp: 4724

Ion Ratio Lower Upper

152 100

151 19.5 17.6 26.4

153 15.3 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

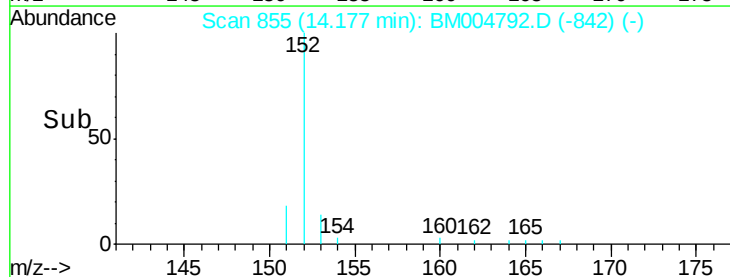
3000

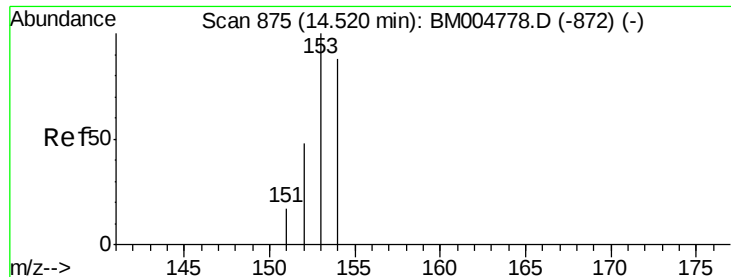
2000

1000

0

Time--> 14.00 14.20





#10

Acenaphthene

Concen: 0.41 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004792.D

Acq: 25 Mar 2016 23:57

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

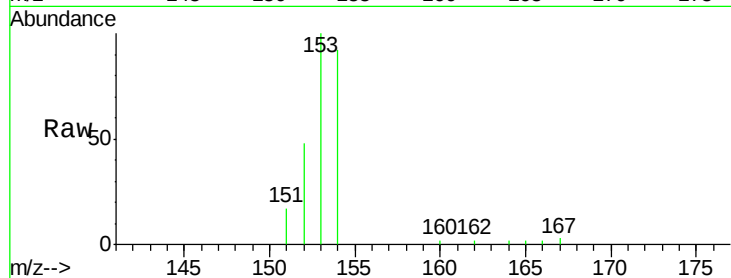
Tgt Ion:153 Resp: 3492

Ion Ratio Lower Upper

153 100

152 47.5 33.9 50.9

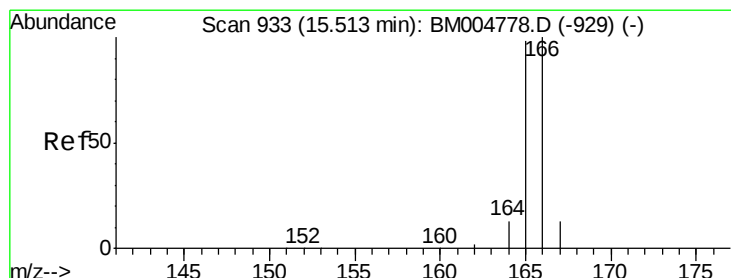
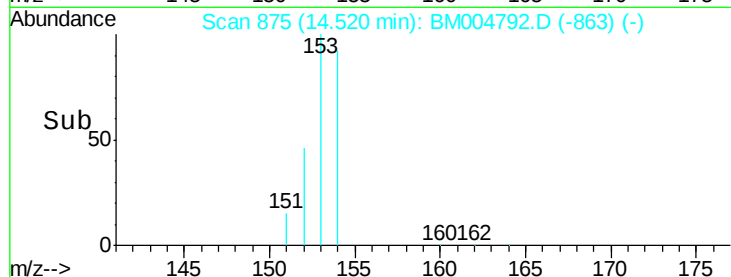
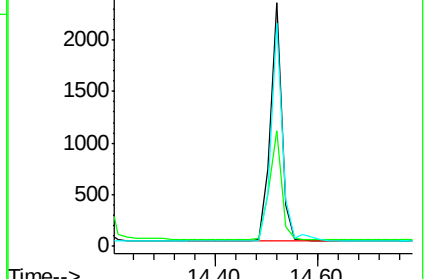
154 91.8 80.6 121.0



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: 0.40 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004792.D

Acq: 25 Mar 2016 23:57

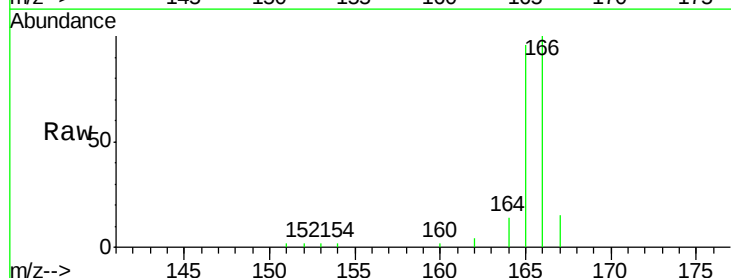
Tgt Ion:166 Resp: 4060

Ion Ratio Lower Upper

166 100

165 95.7 69.6 104.4

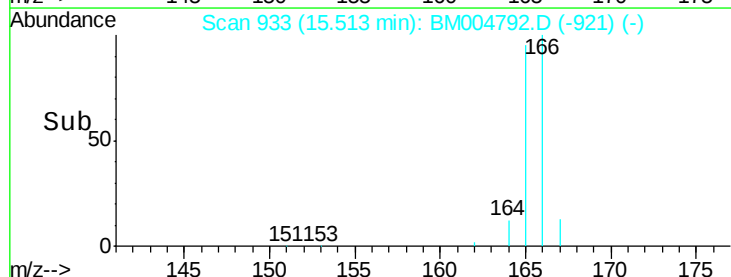
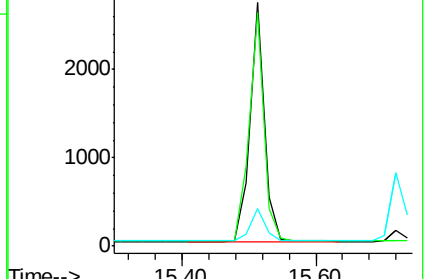
167 15.4 11.9 17.9

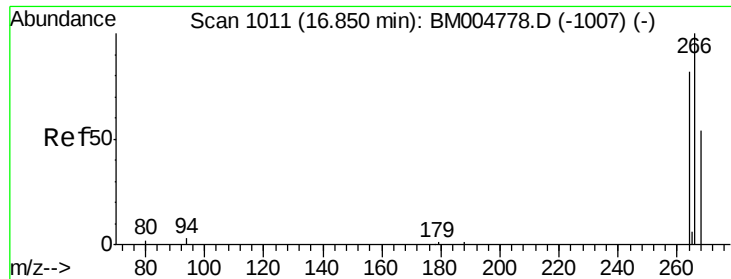


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

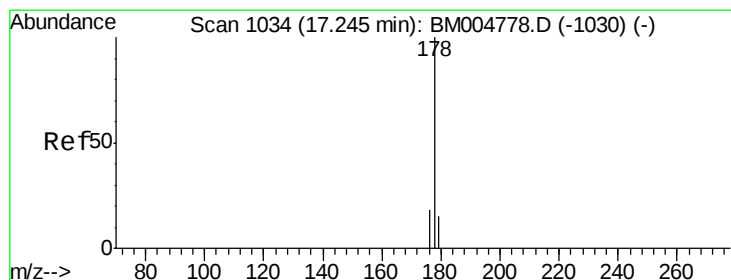
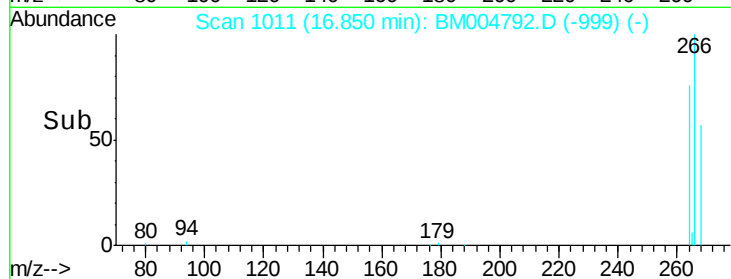
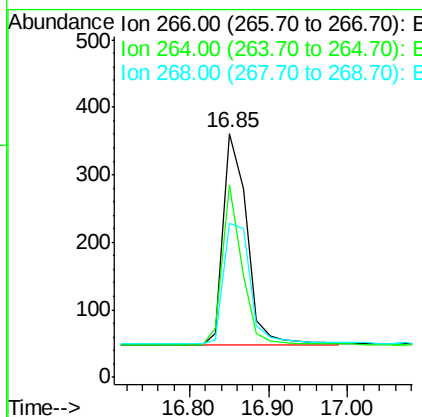
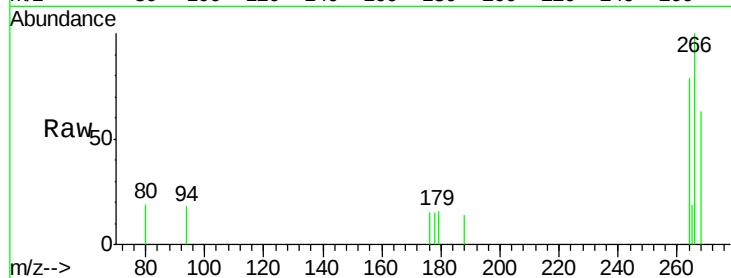




#13
 Pentachlorophenol
 Concen: 0.44 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: BM004792.D
 Acq: 25 Mar 2016 23:57

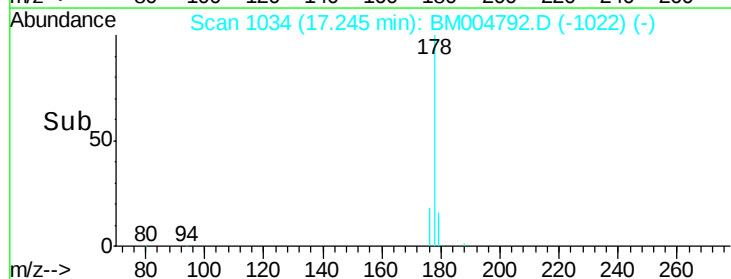
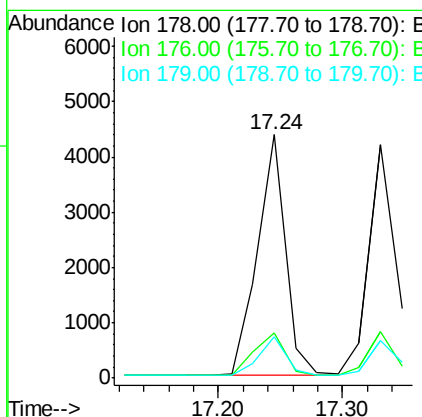
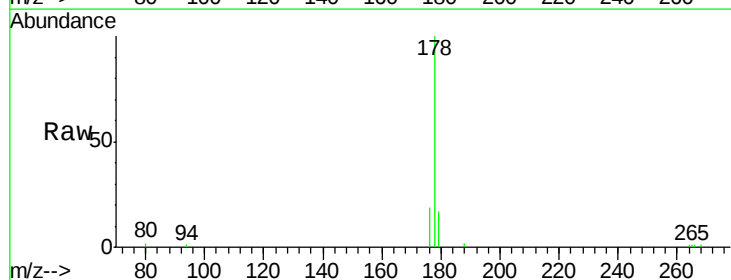
Instrument :
 BNA_M
 ClientSampleId :
 SST0.443

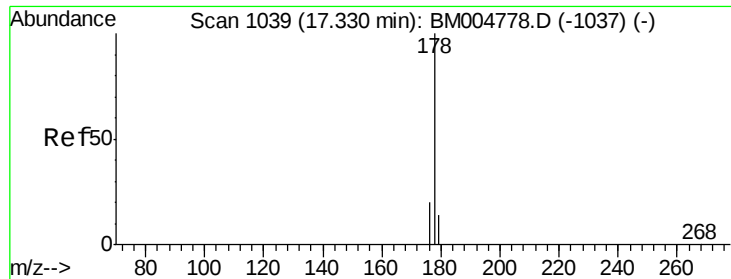
Tgt Ion: 266 Resp: 652
 Ion Ratio Lower Upper
 266 100
 264 63.5 51.8 77.8
 268 64.9 46.8 70.2



#14
 Phenanthrene
 Concen: 0.41 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: BM004792.D
 Acq: 25 Mar 2016 23:57

Tgt Ion: 178 Resp: 6753
 Ion Ratio Lower Upper
 178 100
 176 18.6 13.0 19.4
 179 17.2 14.2 21.2





#15

Anthracene

Concen: 0.40 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM004792.D

Acq: 25 Mar 2016 23:57

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

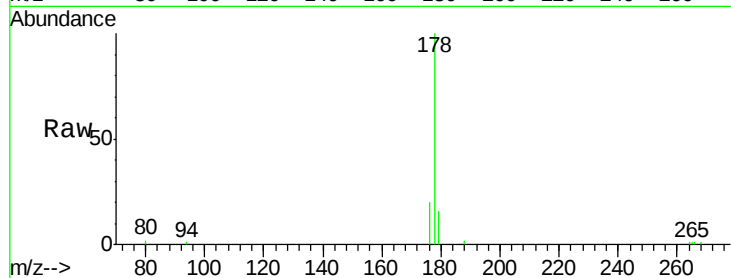
Tgt Ion:178 Resp: 6303

Ion Ratio Lower Upper

178 100

176 20.0 14.0 21.0

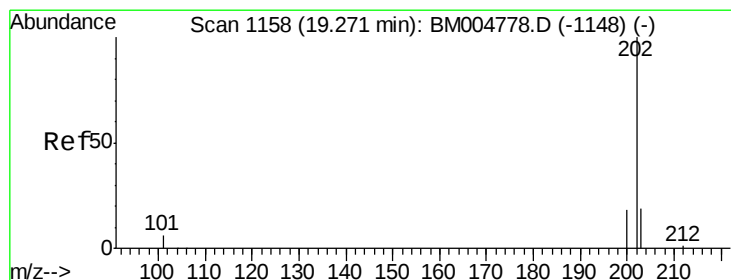
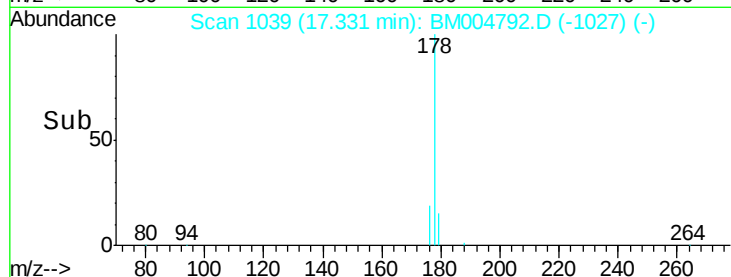
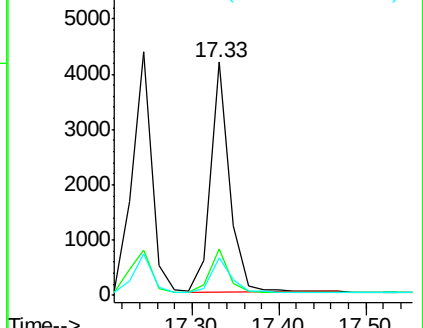
179 15.8 12.9 19.3



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: 0.43 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BM004792.D

Acq: 25 Mar 2016 23:57

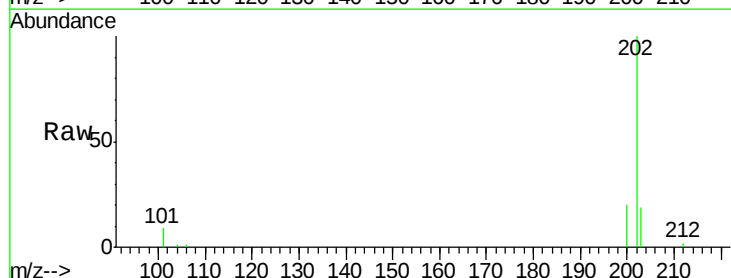
Tgt Ion:202 Resp: 8056

Ion Ratio Lower Upper

202 100

101 8.7 0.0 29.6

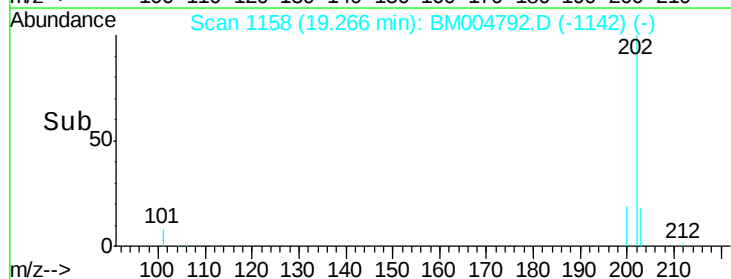
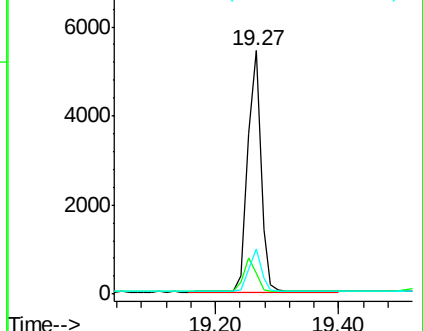
203 18.8 0.0 36.3

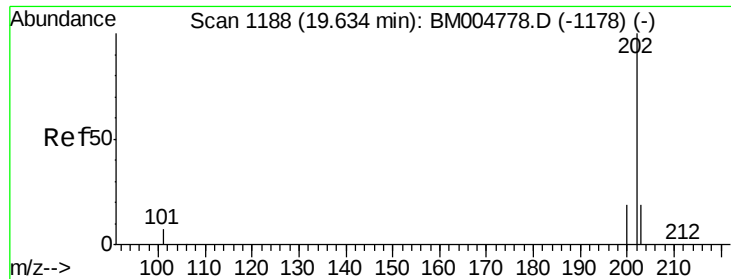


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.37 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BM004792.D

Acq: 25 Mar 2016 23:57

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

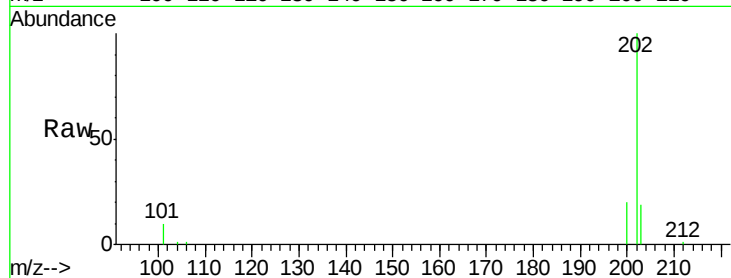
Tgt Ion:202 Resp: 8507

Ion Ratio Lower Upper

202 100

200 19.9 17.8 26.8

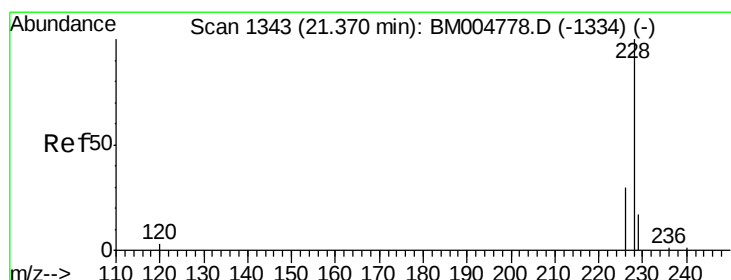
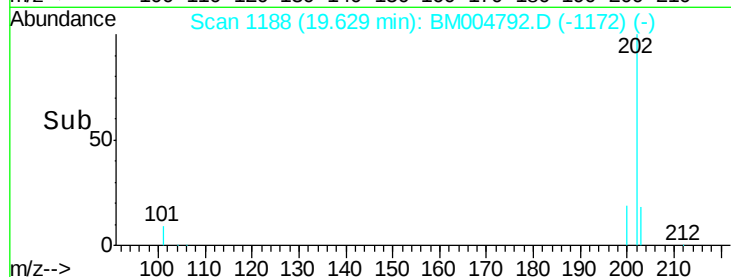
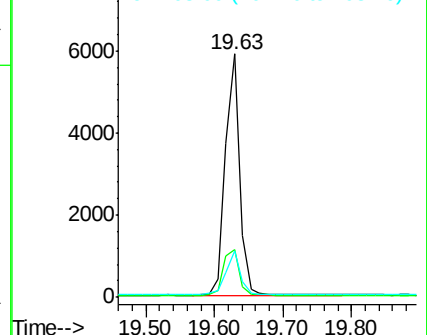
203 19.1 12.8 19.2



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: 0.40 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BM004792.D

Acq: 25 Mar 2016 23:57

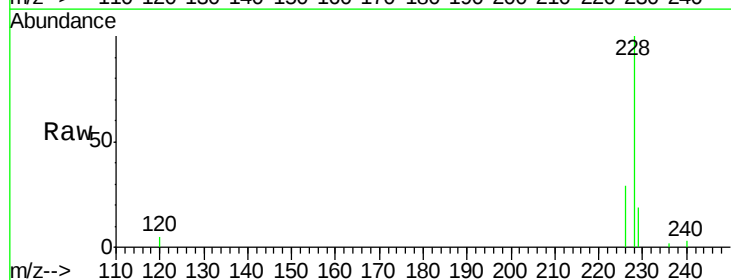
Tgt Ion:228 Resp: 8307

Ion Ratio Lower Upper

228 100

226 28.8 18.8 28.2#

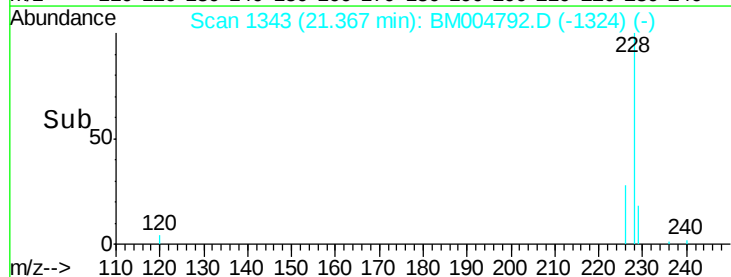
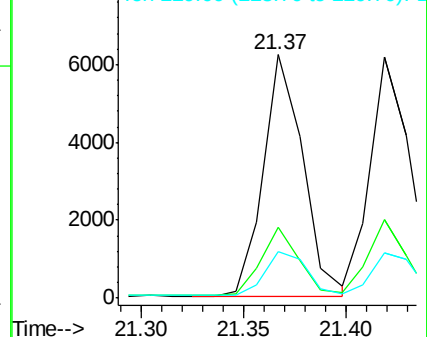
229 19.2 17.1 25.7

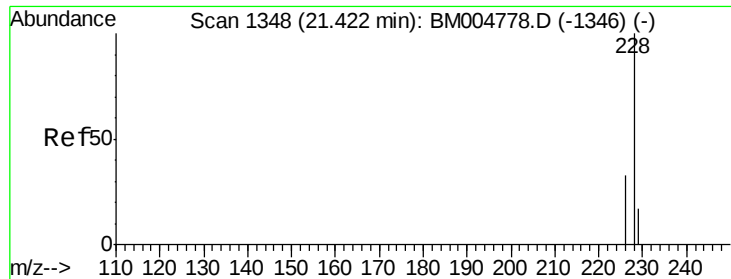


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.41 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. -0.06 min

Lab File: BM004792.D

Acq: 25 Mar 2016 23:57

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

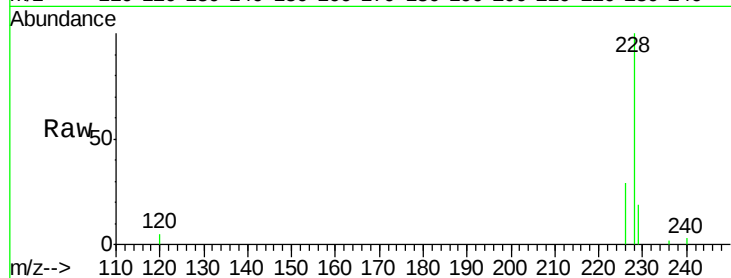
Tgt Ion:228 Resp: 8307

Ion Ratio Lower Upper

228 100

226 28.8 21.2 31.8

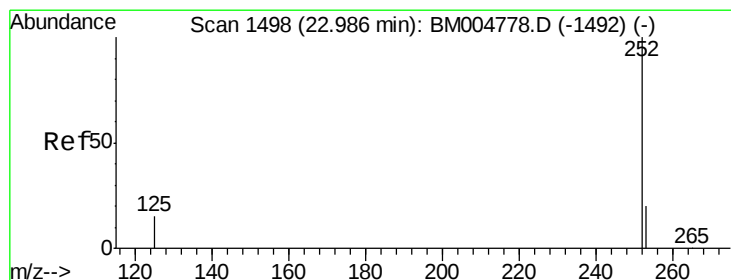
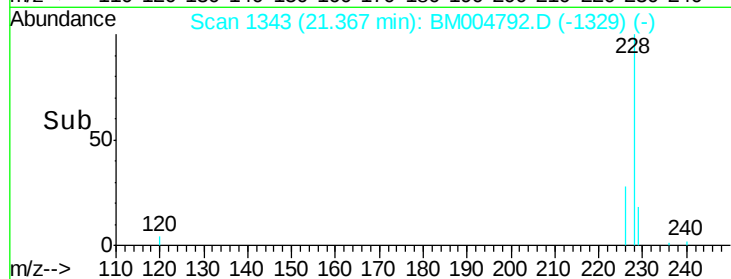
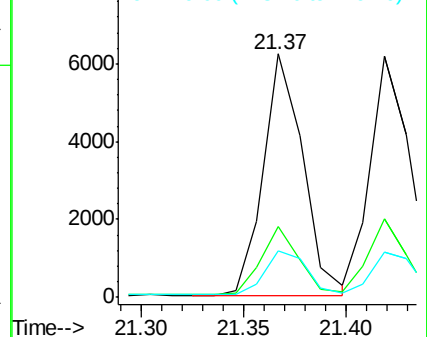
229 19.2 17.0 25.6



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: 0.39 ng/ul

RT: 22.98 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BM004792.D

Acq: 25 Mar 2016 23:57

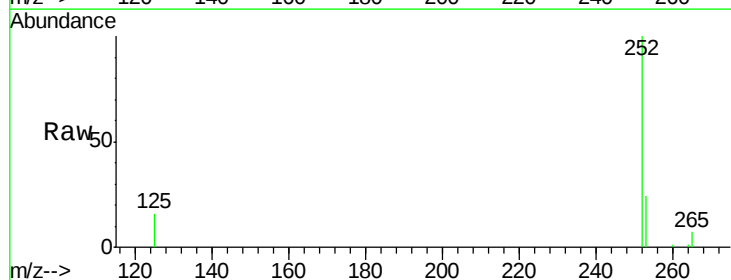
Tgt Ion:252 Resp: 8907

Ion Ratio Lower Upper

252 100

253 23.8 0.0 45.4

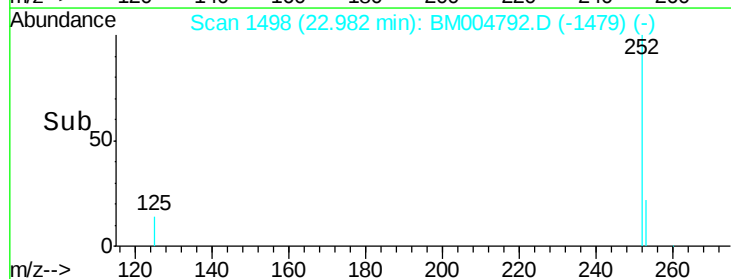
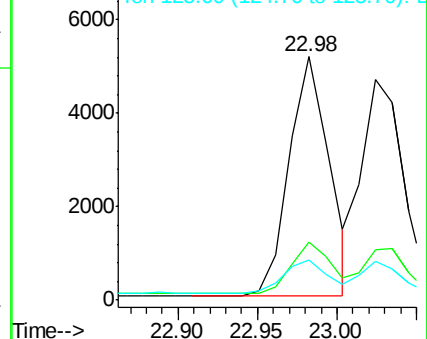
125 16.4 0.0 28.8

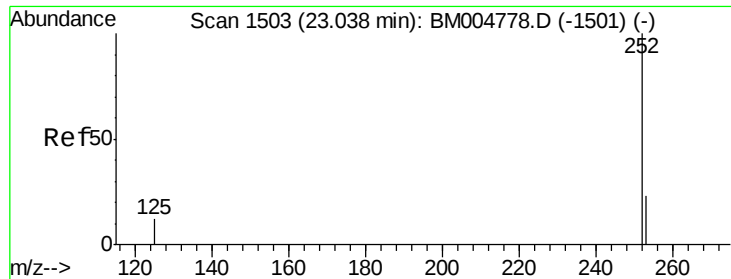


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 23.02 min Scan# 1502

Delta R.T. -0.01 min

Lab File: BM004792.D

Acq: 25 Mar 2016 23:57

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

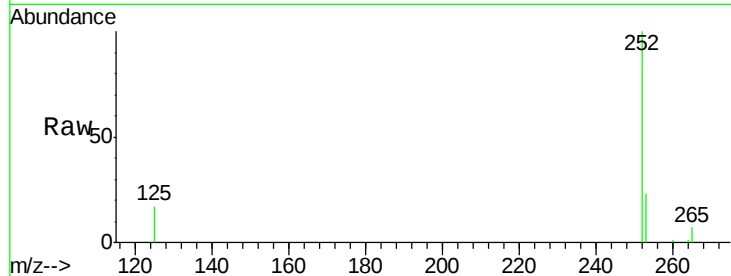
Tgt Ion:252 Resp: 8576

Ion Ratio Lower Upper

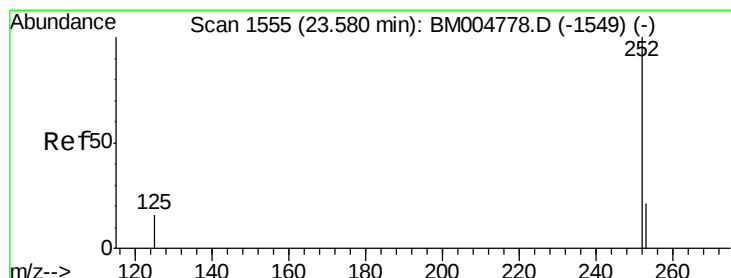
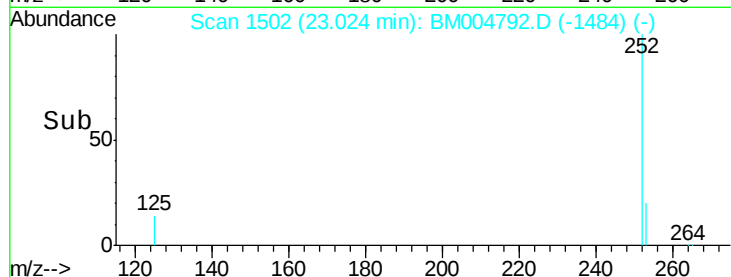
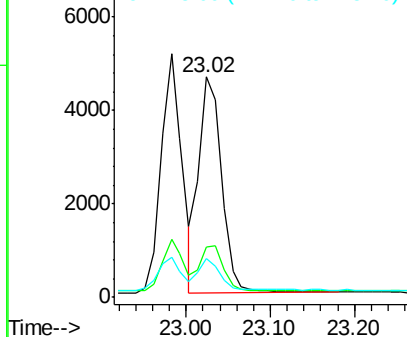
252 100

253 22.8 19.8 29.8

125 17.5 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: 0.41 ng/ul

RT: 23.58 min Scan# 1555

Delta R.T. -0.00 min

Lab File: BM004792.D

Acq: 25 Mar 2016 23:57

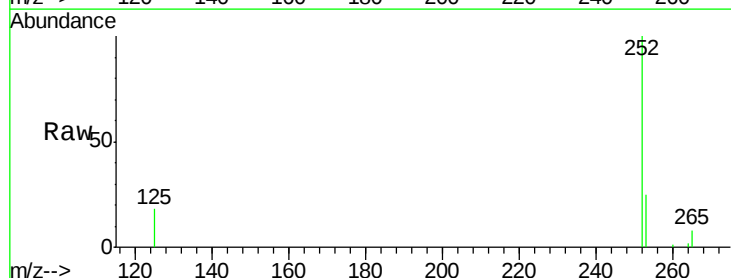
Tgt Ion:252 Resp: 8595

Ion Ratio Lower Upper

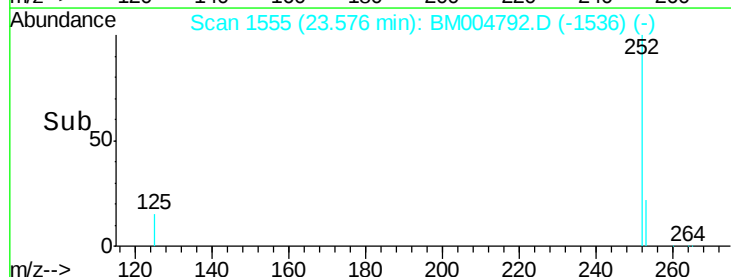
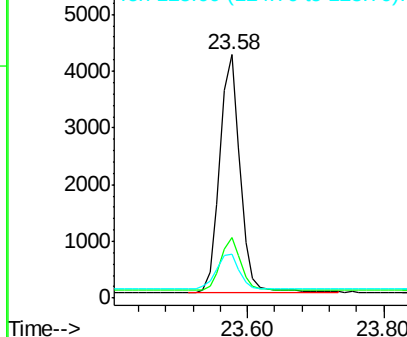
252 100

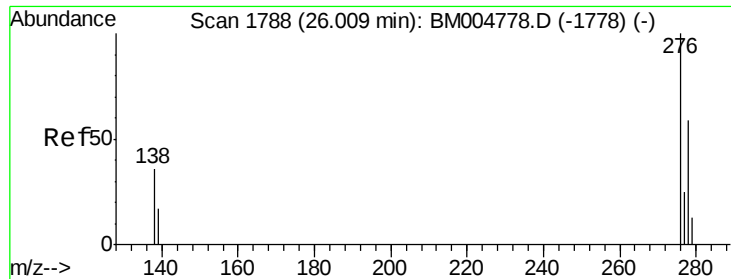
253 24.7 19.4 29.2

125 18.0 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: 0.46 ng/ul

RT: 25.99 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BM004792.D

Acq: 25 Mar 2016 23:57

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

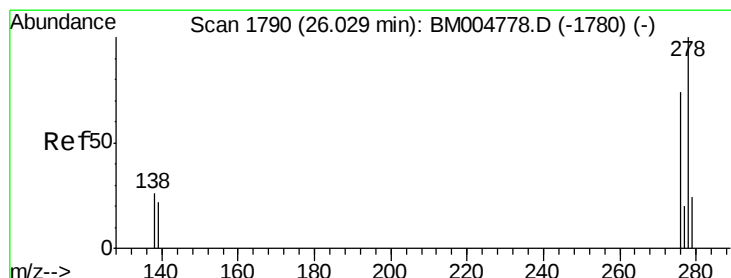
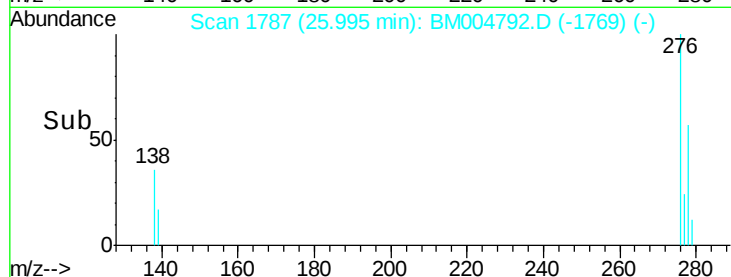
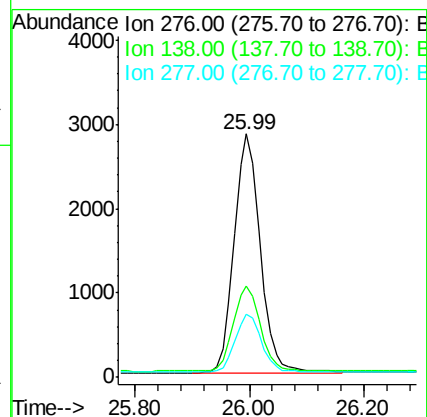
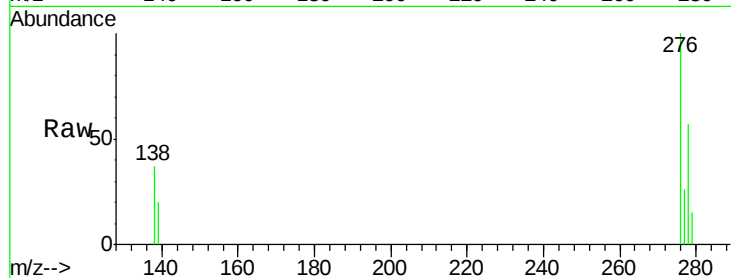
Tgt Ion:276 Resp: 8968

Ion Ratio Lower Upper

276 100

138 36.8 16.3 24.5#

277 24.8 19.8 29.8



#27

Dibenzo(a,h)anthracene

Concen: 0.47 ng/ul

RT: 26.02 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BM004792.D

Acq: 25 Mar 2016 23:57

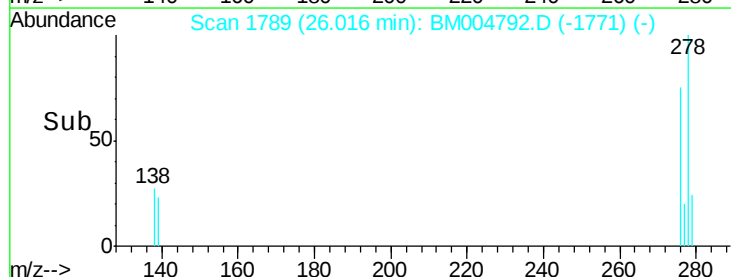
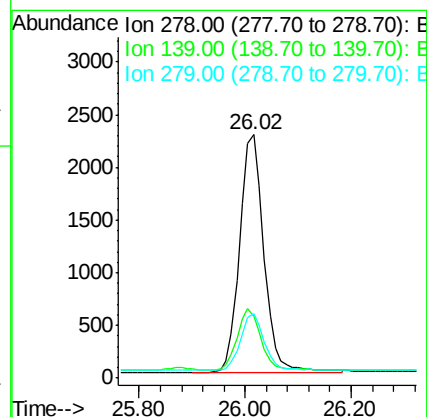
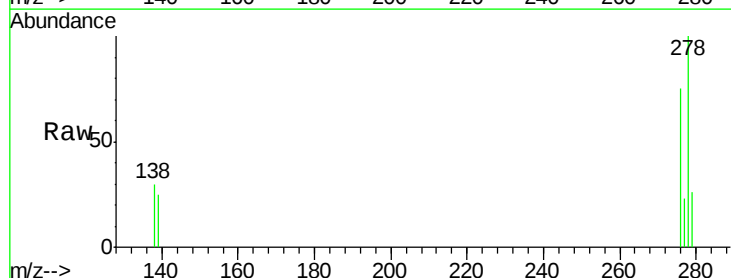
Tgt Ion:278 Resp: 7179

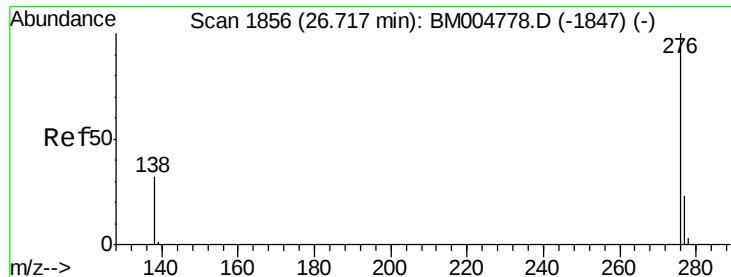
Ion Ratio Lower Upper

278 100

139 25.4 16.4 24.6#

279 26.5 20.2 30.2





#28

Benzo(g,h,i)perylene

Concen: 0.47 ng/ul

RT: 26.70 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BM004792.D

Acq: 25 Mar 2016 23:57

Instrument :

BNA_M

ClientSampleId :

SSTD0.443

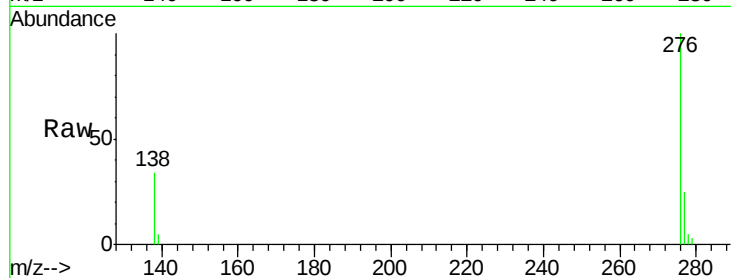
Tgt Ion: 276 Resp: 7487

Ion Ratio Lower Upper

276 100

277 25.3 18.9 28.3

138 33.6 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

