

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032516\
 Data File : BM004780.D
 Acq On : 25 Mar 2016 16:39
 Operator : UM/SJ
 Sample : H1909-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T38

Quant Time: Mar 26 02:44:35 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	1783	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	7607	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	4319	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	348300	5.00	ng/ul	0.09
18) Chrysene-d12	21.39	240	5449	5.00	ng/ul	0.00
22) Perylene-d12	23.55	264	243294	5.00	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	6293	7.83	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	2405	0.23	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	3933	0.00	ng/ul	0.00

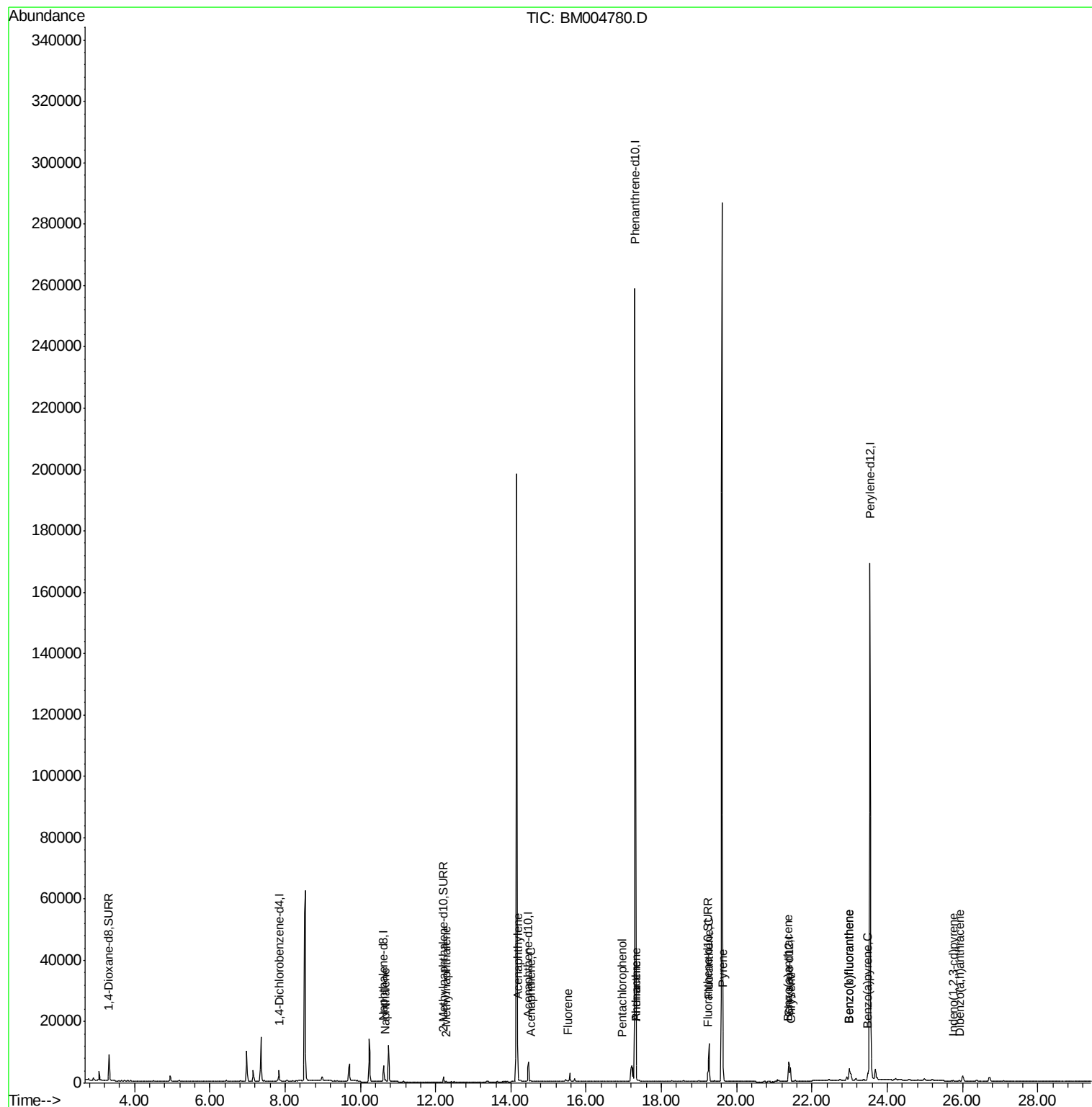
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	1147	0.06	ng/ul#	82
7) 2-Methylnaphthalene	12.28	142	184	0.01	ng/ul	96
9) Acenaphthylene	14.18	152	605	0.03	ng/ul#	78
10) Acenaphthene	14.52	153	157	0.01	ng/ul#	76
11) Fluorene	15.51	166	278	0.02	ng/ul#	75
13) Pentachlorophenol	16.95	266	3	0.00	ng/ul#	20
14) Phenanthrene	17.33	178	952	0.00	ng/ul#	80
15) Anthracene	17.33	178	1000	0.00	ng/ul#	79
17) Fluoranthene	19.27	202	11495	0.01	ng/ul	97
19) Pyrene	19.63	202	10885	0.58	ng/ul	96
20) Benzo(a)anthracene	21.38	228	4100	0.24	ng/ul#	89
21) Chrysene	21.43	228	4811	0.30	ng/ul	94
23) Benzo(b)fluoranthene	22.99	252	5162	0.01	ng/ul	87
24) Benzo(k)fluoranthene	22.99	252	8811	0.01	ng/ul#	89
25) Benzo(a)pyrene	23.48	252	3263	0.00	ng/ul#	80
26) Indeno(1,2,3-cd)pyrene	25.76	276	334	0.00	ng/ul#	66
27) Dibenzo(a,h)anthracene	25.91	278	181	0.00	ng/ul#	1

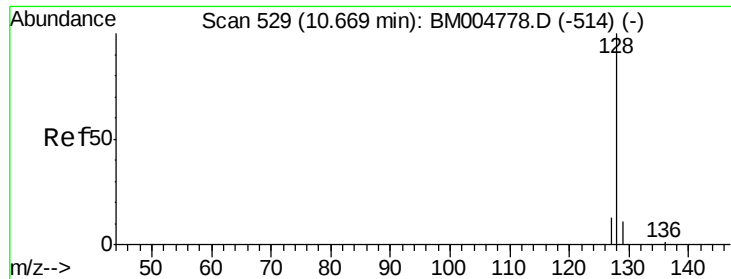
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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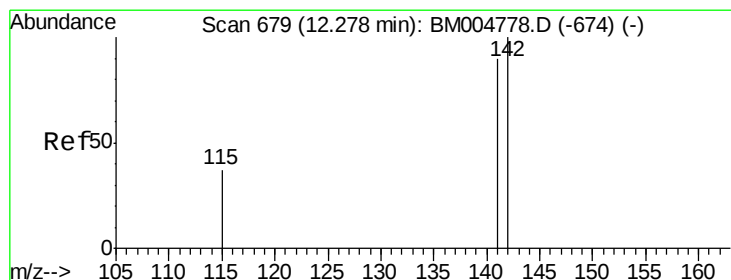
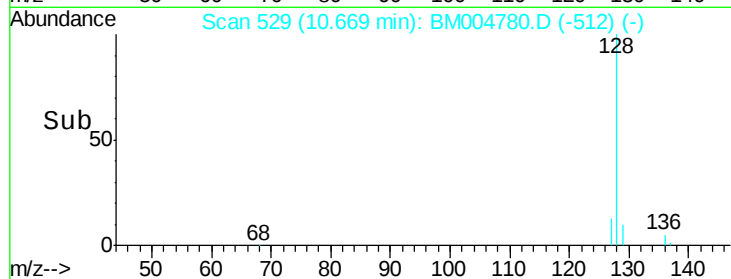
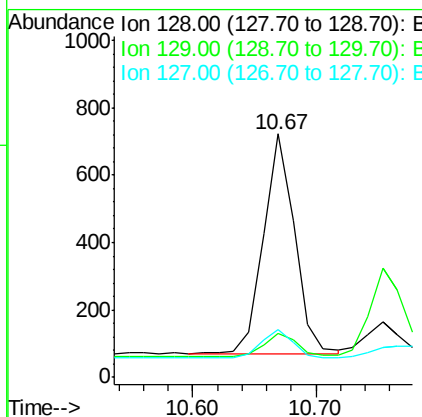
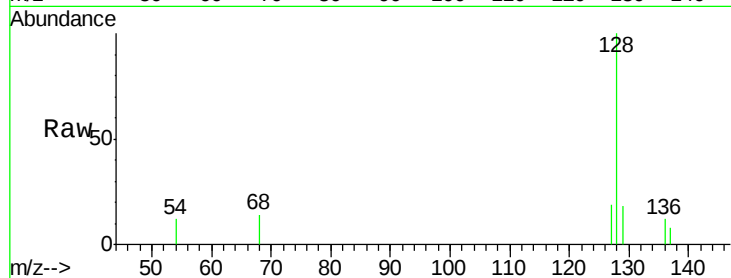




#5
Naphthalene
Concen: 0.06 ng/ul
RT: 10.67 min Scan# 529
Delta R.T. 0.00 min
Lab File: BM004780.D
Acq: 25 Mar 2016 16:39

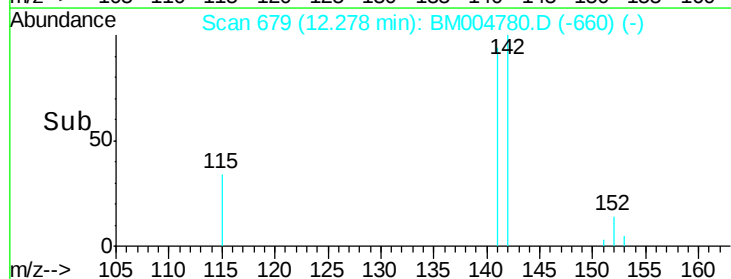
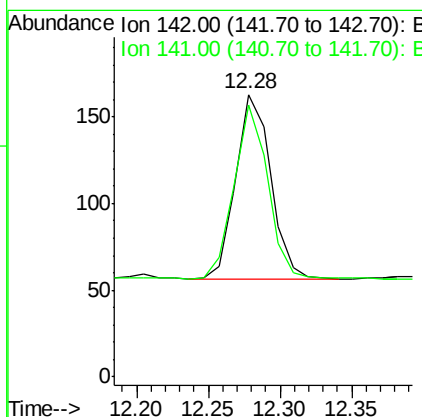
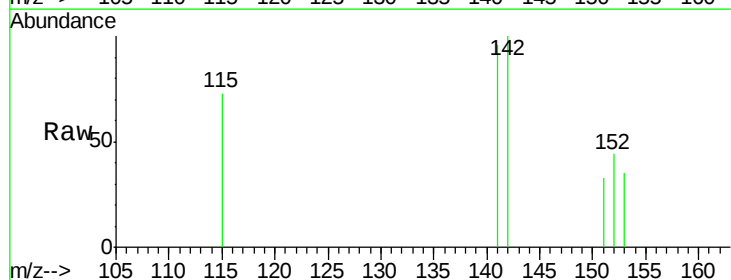
Instrument :
BNA_M
ClientSampleId :
A4T38

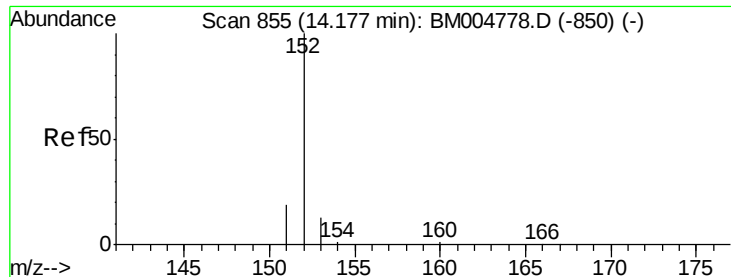
Tgt Ion:128 Resp: 1147
Ion Ratio Lower Upper
128 100
129 18.0 9.0 13.6#
127 19.4 9.6 14.4#



#7
2-Methylnaphthalene
Concen: 0.01 ng/ul
RT: 12.28 min Scan# 679
Delta R.T. 0.00 min
Lab File: BM004780.D
Acq: 25 Mar 2016 16:39

Tgt Ion:142 Resp: 184
Ion Ratio Lower Upper
142 100
141 91.8 70.3 105.5





#9

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004780.D

Acq: 25 Mar 2016 16:39

Instrument :

BNA_M

ClientSampleId :

A4T38

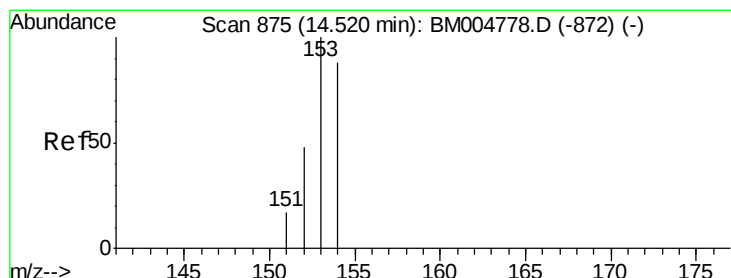
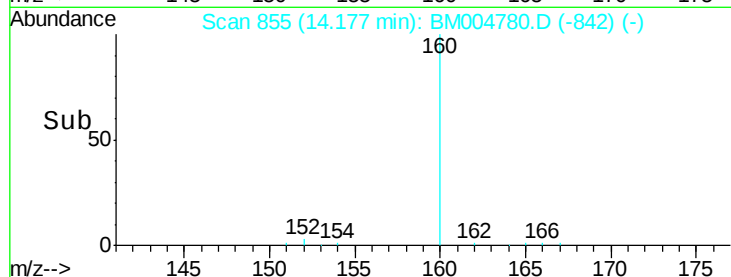
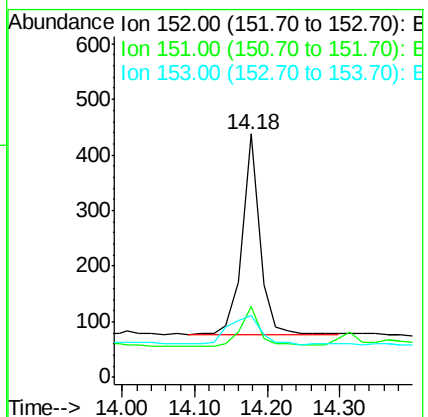
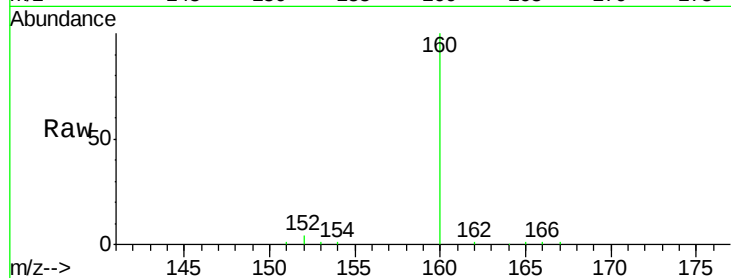
Tgt Ion:152 Resp: 605

Ion Ratio Lower Upper

152 100

151 29.0 17.6 26.4#

153 25.3 9.7 14.5#



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004780.D

Acq: 25 Mar 2016 16:39

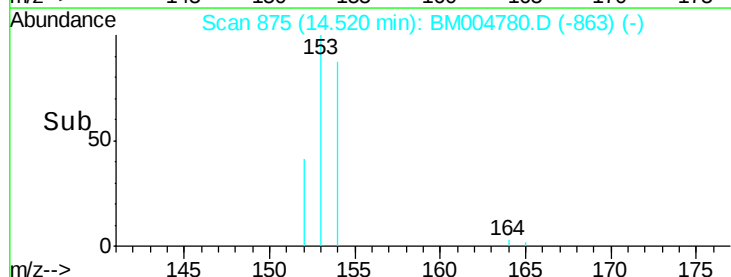
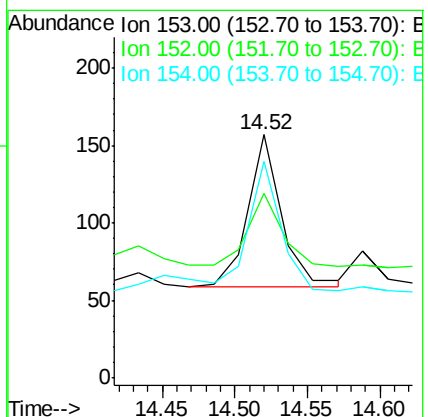
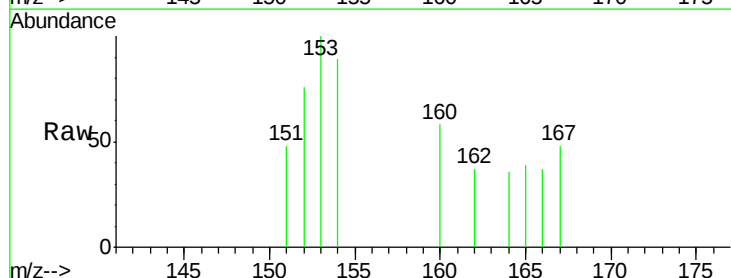
Tgt Ion:153 Resp: 157

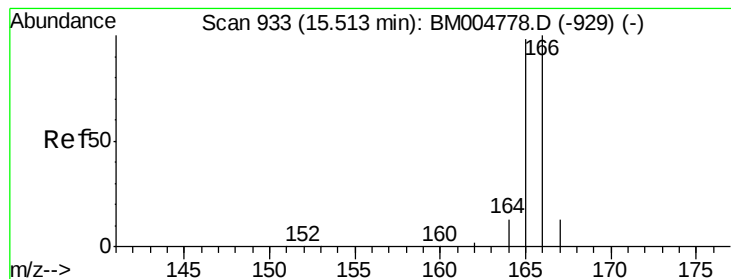
Ion Ratio Lower Upper

153 100

152 75.8 33.9 50.9#

154 89.2 80.6 121.0





#11

Fluorene

Concen: 0.02 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004780.D

Acq: 25 Mar 2016 16:39

Instrument :

BNA_M

ClientSampleId :

A4T38

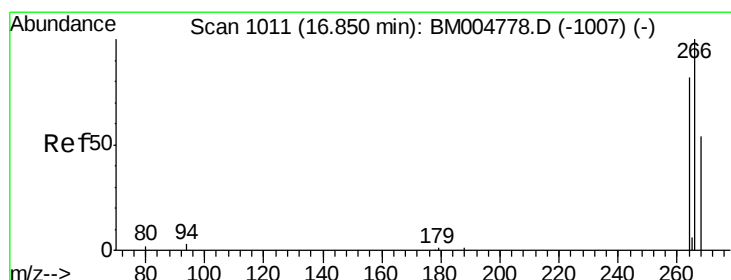
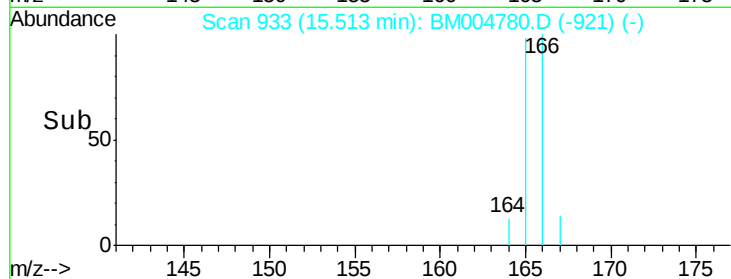
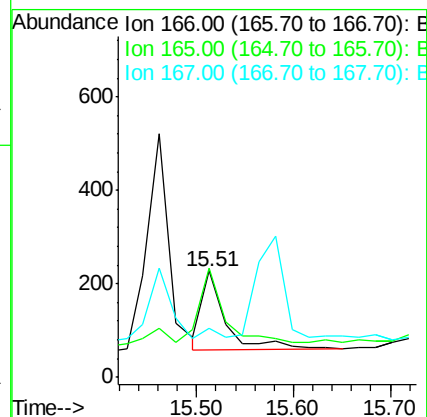
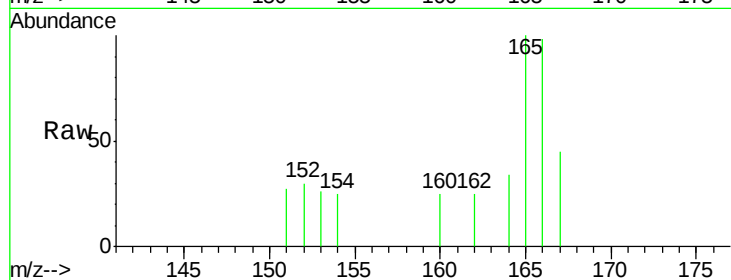
Tgt Ion:166 Resp: 278

Ion Ratio Lower Upper

166 100

165 102.2 69.6 104.4

167 45.8 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.95 min Scan# 1017

Delta R.T. 0.10 min

Lab File: BM004780.D

Acq: 25 Mar 2016 16:39

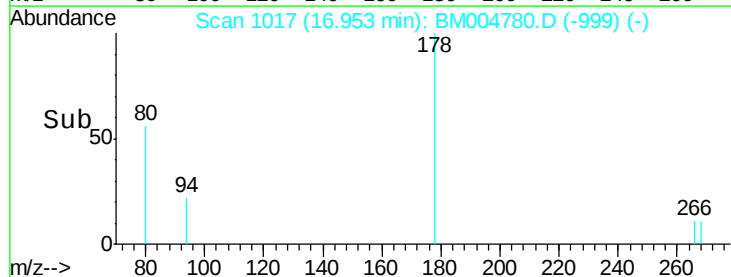
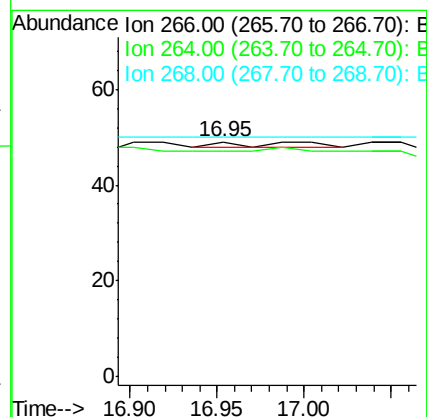
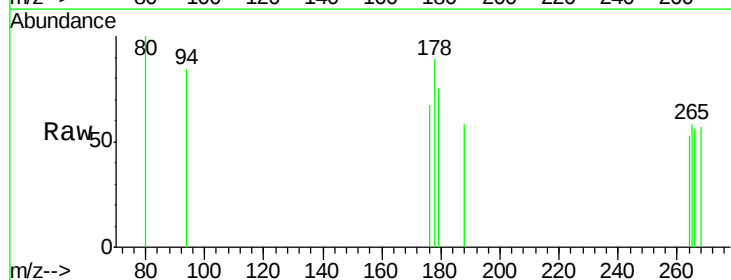
Tgt Ion:266 Resp: 3

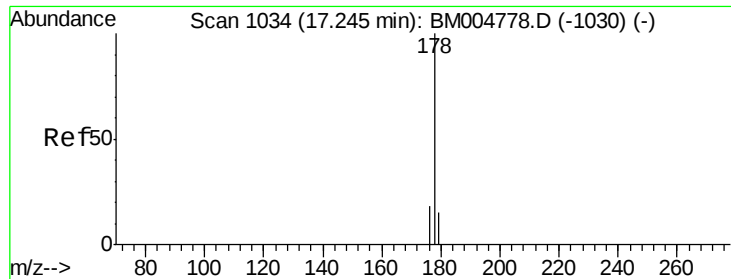
Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

268 0.0 46.8 70.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.09 min

Lab File: BM004780.D

Acq: 25 Mar 2016 16:39

Instrument :

BNA_M

ClientSampleId :

A4T38

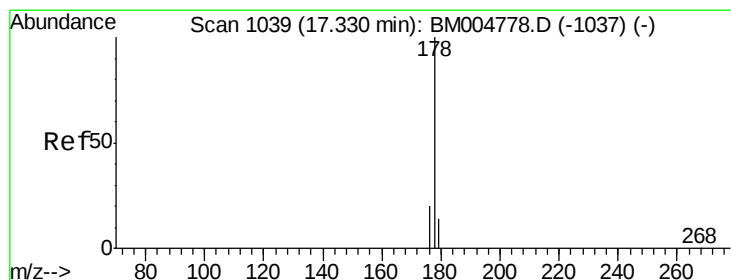
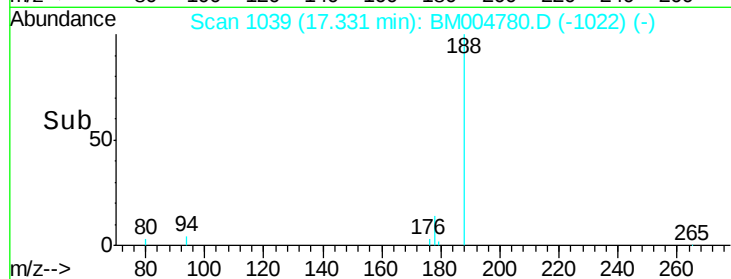
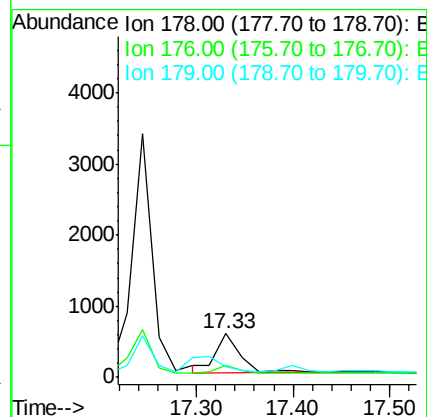
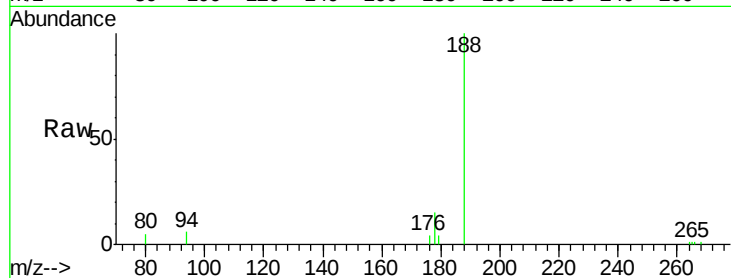
Tgt Ion:178 Resp: 952

Ion Ratio Lower Upper

178 100

176 26.7 13.0 19.4#

179 24.8 14.2 21.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM004780.D

Acq: 25 Mar 2016 16:39

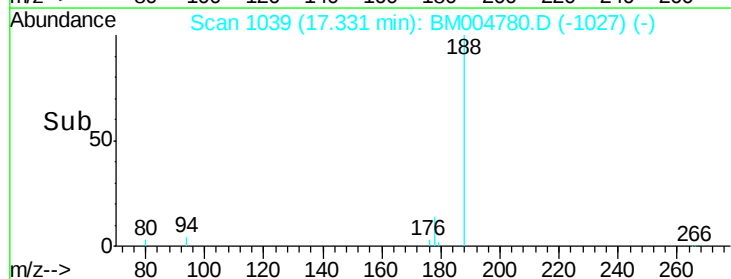
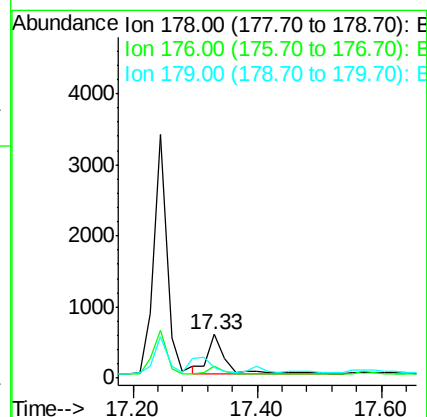
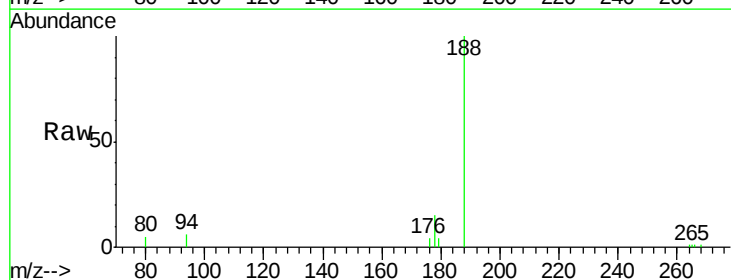
Tgt Ion:178 Resp: 1000

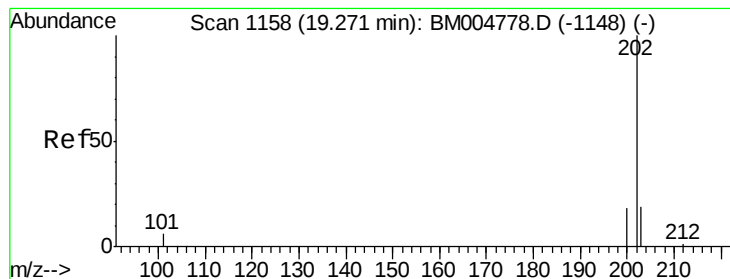
Ion Ratio Lower Upper

178 100

176 26.7 14.0 21.0#

179 24.8 12.9 19.3#





#17

Fluoranthene

Concen: 0.01 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BM004780.D

Acq: 25 Mar 2016 16:39

Instrument :

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ClientSampleId :

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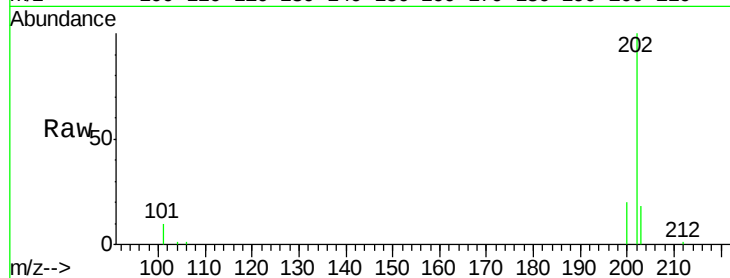
Tgt Ion:202 Resp: 11495

Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.6

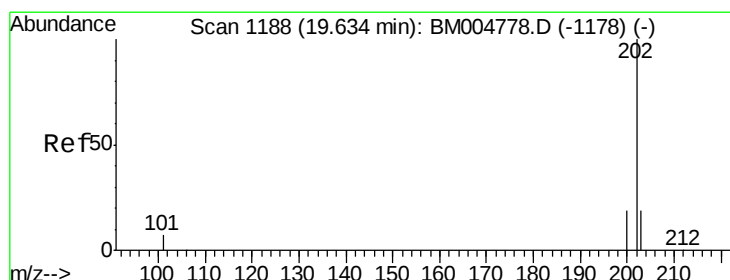
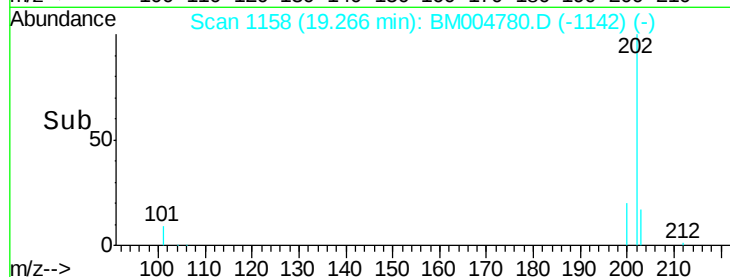
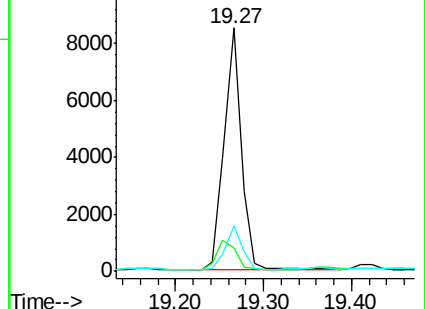
203 18.5 0.0 36.3



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: 0.58 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BM004780.D

Acq: 25 Mar 2016 16:39

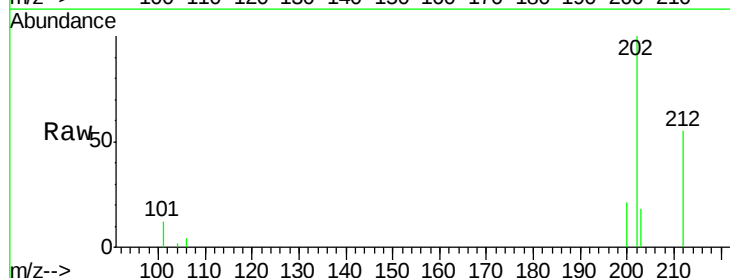
Tgt Ion:202 Resp: 10885

Ion Ratio Lower Upper

202 100

200 21.2 17.8 26.8

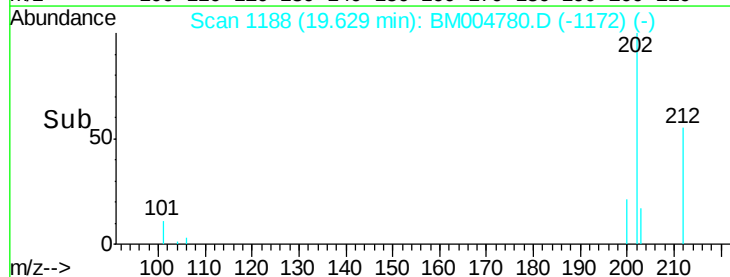
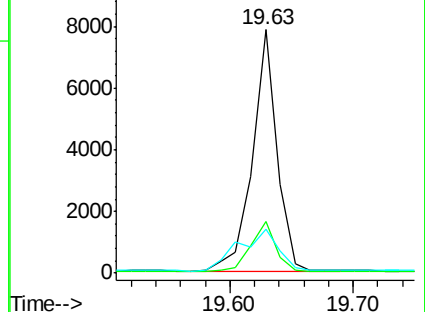
203 18.3 12.8 19.2

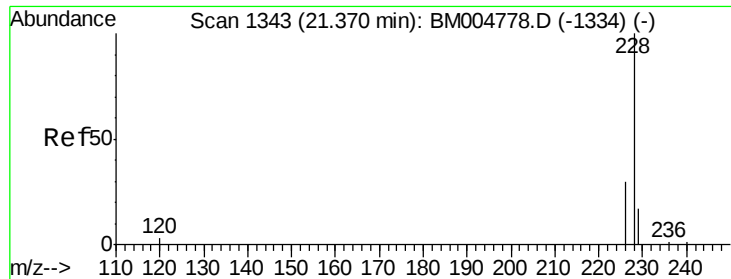


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.24 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. 0.01 min

Lab File: BM004780.D

Acq: 25 Mar 2016 16:39

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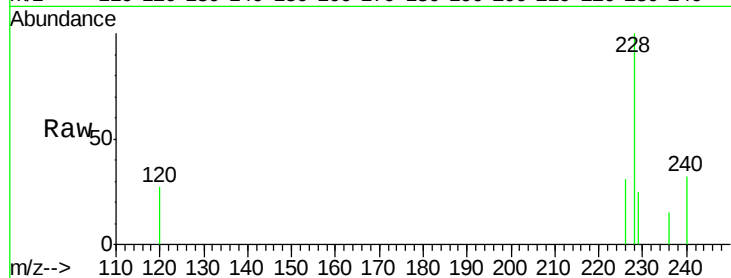
Tgt Ion:228 Resp: 4100

Ion Ratio Lower Upper

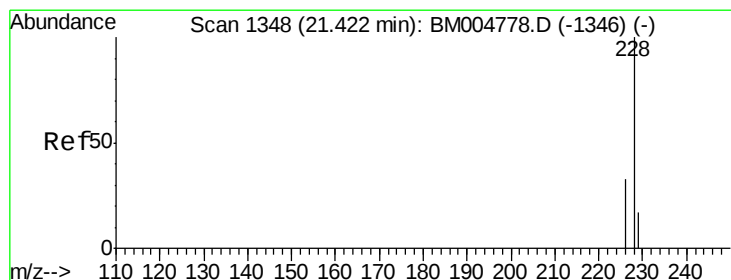
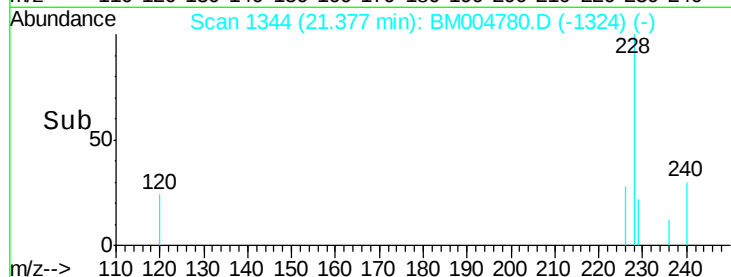
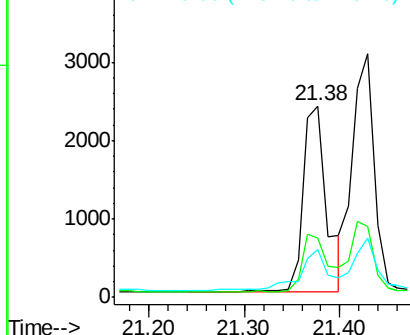
228 100

226 30.6 18.8 28.2#

229 25.2 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: 0.30 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BM004780.D

Acq: 25 Mar 2016 16:39

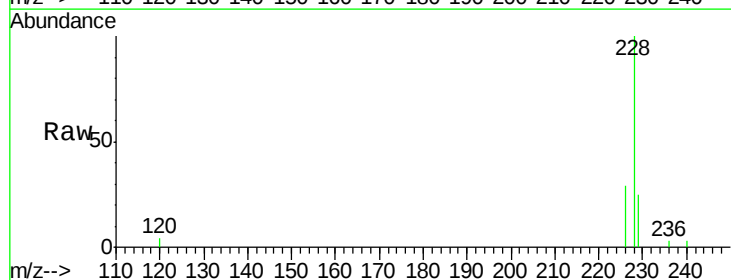
Tgt Ion:228 Resp: 4811

Ion Ratio Lower Upper

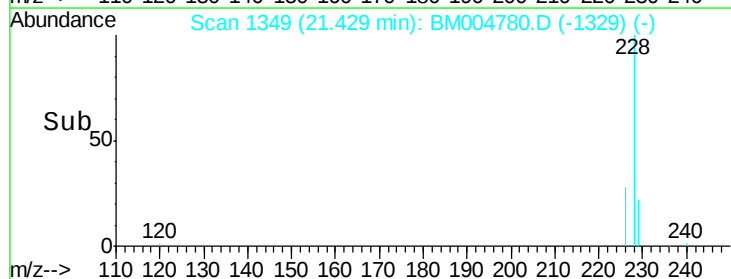
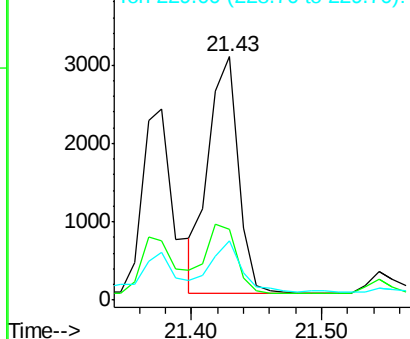
228 100

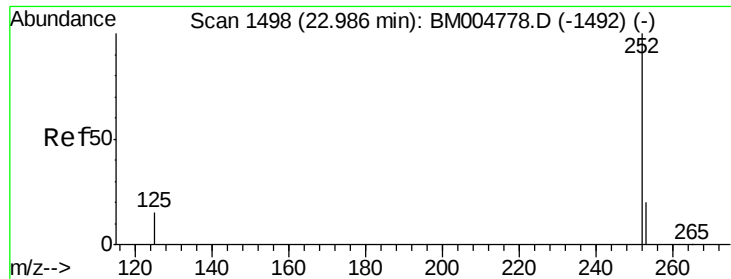
226 29.3 21.2 31.8

229 24.5 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: 0.01 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. 0.01 min

Lab File: BM004780.D

Acq: 25 Mar 2016 16:39

Instrument :

BNA_M

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A4T38

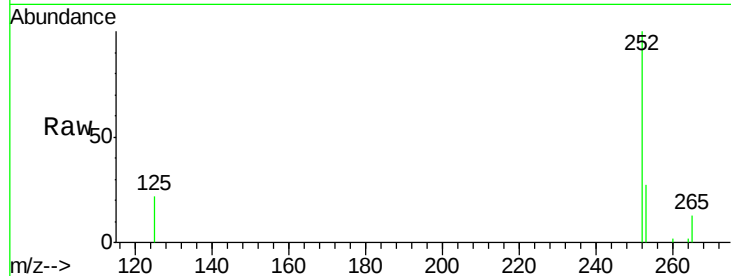
Tgt Ion:252 Resp: 5162

Ion Ratio Lower Upper

252 100

253 27.2 0.0 45.4

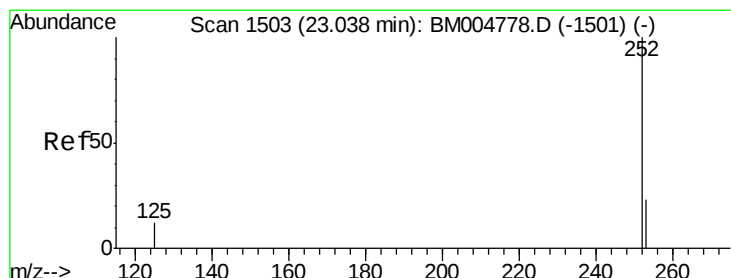
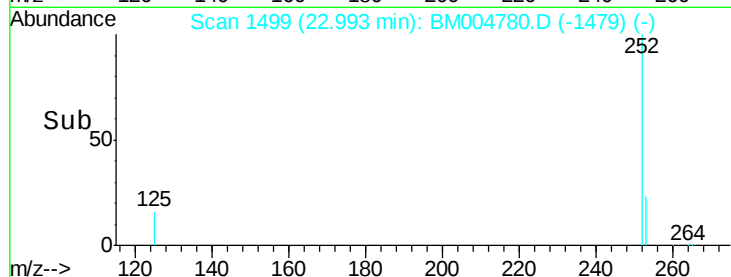
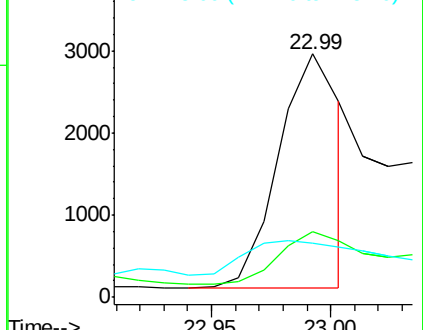
125 22.4 0.0 28.8



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: 0.01 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. -0.05 min

Lab File: BM004780.D

Acq: 25 Mar 2016 16:39

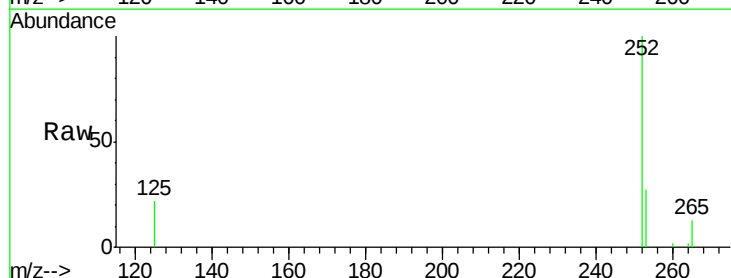
Tgt Ion:252 Resp: 8811

Ion Ratio Lower Upper

252 100

253 27.2 19.8 29.8

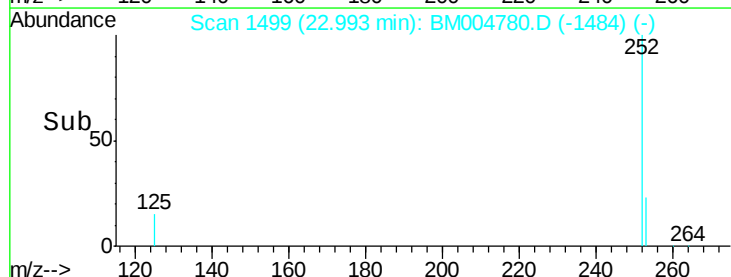
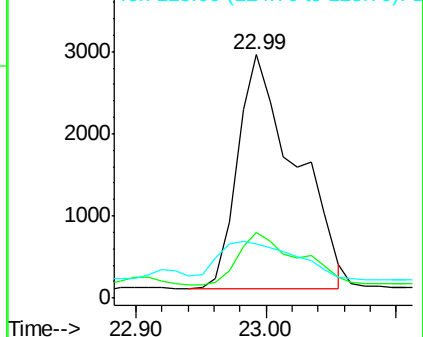
125 22.4 10.4 15.6#

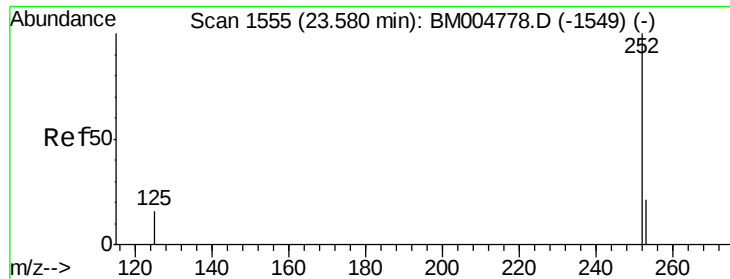


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.48 min Scan# 1546

Delta R.T. -0.10 min

Lab File: BM004780.D

Acq: 25 Mar 2016 16:39

Instrument :

BNA_M

ClientSampleId :

A4T38

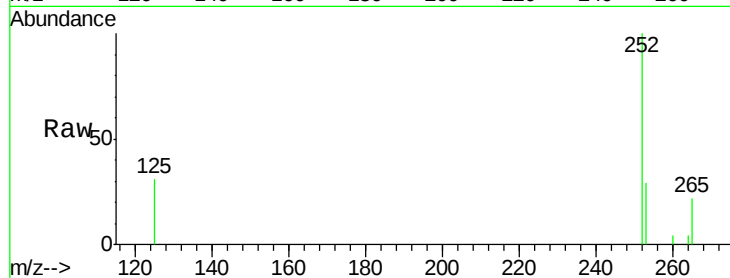
Tgt Ion:252 Resp: 3263

Ion Ratio Lower Upper

252 100

253 29.3 19.4 29.2#

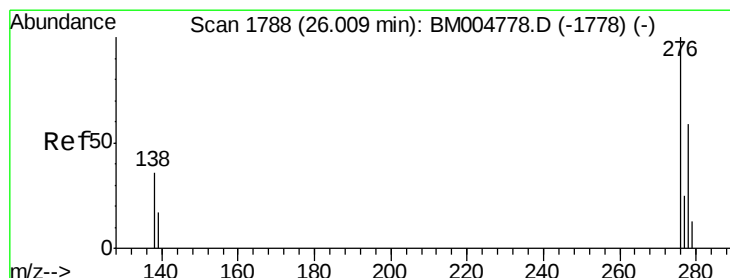
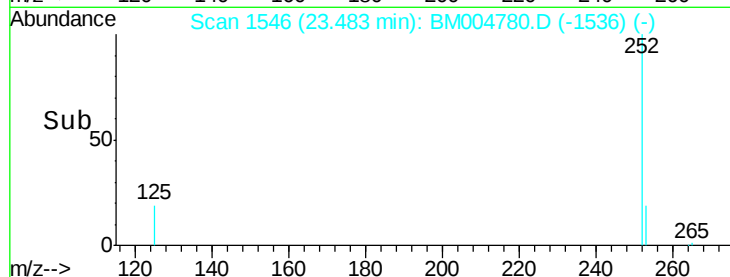
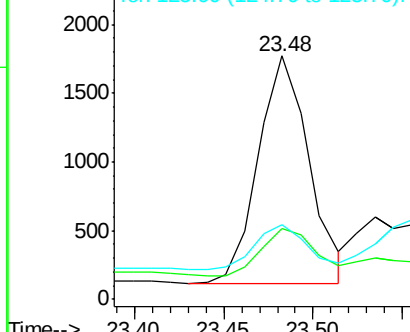
125 30.7 12.7 19.1#



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: 0.00 ng/u1

RT: 25.76 min Scan# 1764

Delta R.T. -0.25 min

Lab File: BM004780.D

Acq: 25 Mar 2016 16:39

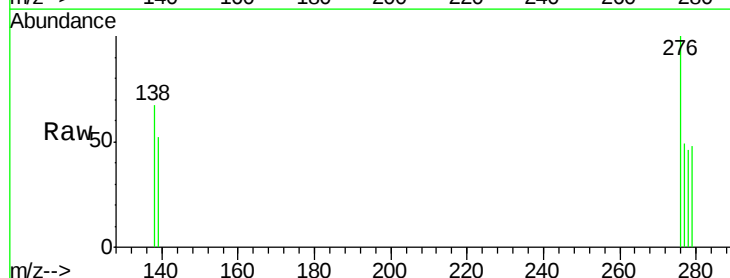
Tgt Ion:276 Resp: 334

Ion Ratio Lower Upper

276 100

138 54.2 16.3 24.5#

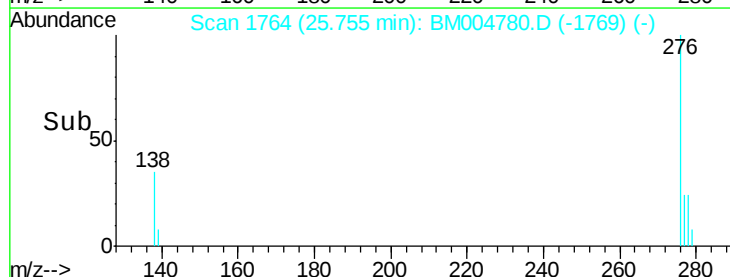
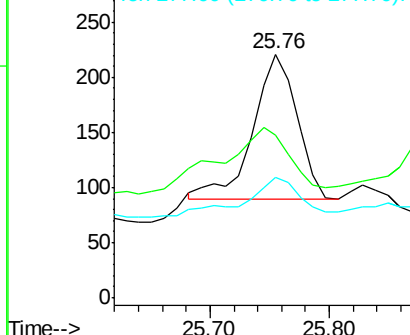
277 23.7 19.8 29.8

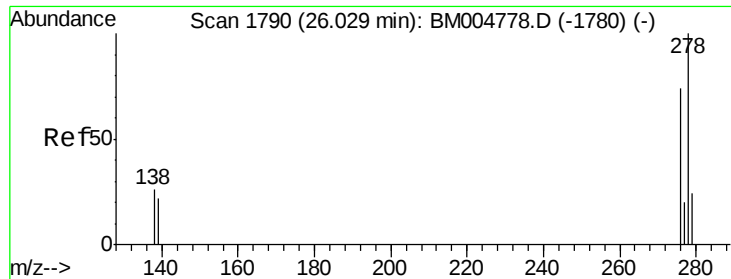


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.91 min Scan# 1779

Delta R.T. -0.12 min

Lab File: BM004780.D

Acq: 25 Mar 2016 16:39

Instrument :

BNA_M

ClientSampleId :

A4T38

Tgt Ion: 278 Resp: 181

Ion Ratio Lower Upper

278 100

139 131.1 16.4 24.6#

279 85.2 20.2 30.2#

