

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032516\
 Data File : BM004782.D
 Acq On : 25 Mar 2016 17:52
 Operator : UM/SJ
 Sample : H1909-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T42

Quant Time: Mar 26 02:44:49 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	1067	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	4934	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	3093	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	302256	5.00	ng/ul	0.09
18) Chrysene-d12	21.39	240	6775	5.00	ng/ul	0.00
22) Perylene-d12	23.55	264	315680	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	3847	8.00	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	1684	0.24	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	3937	0.01	ng/ul	0.00

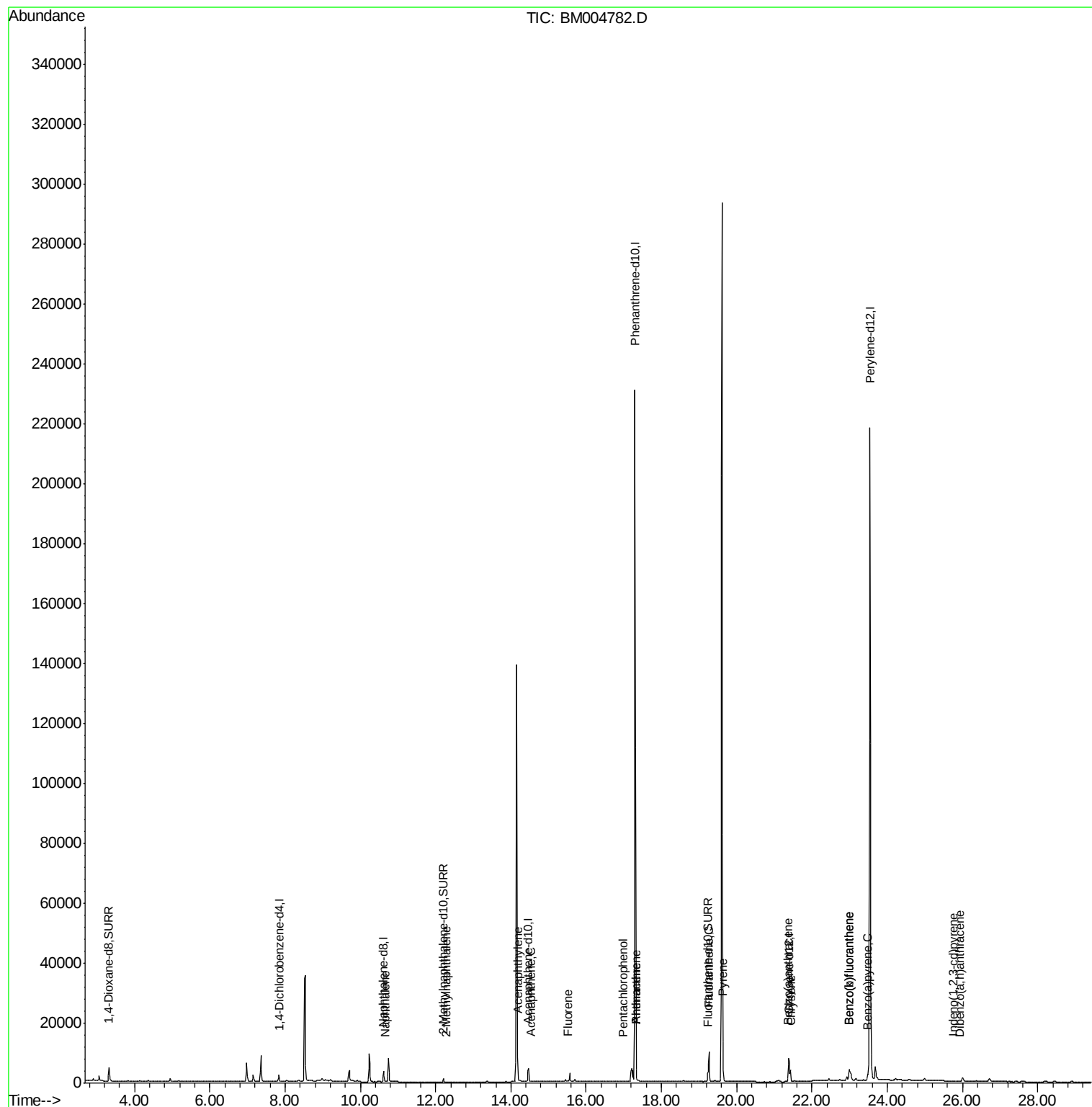
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	289	0.02	ng/ul#	39
7) 2-Methylnaphthalene	12.28	142	75	0.01	ng/ul	94
9) Acenaphthylene	14.18	152	615	0.04	ng/ul#	80
10) Acenaphthene	14.52	153	83	0.01	ng/ul#	71
11) Fluorene	15.51	166	210	0.02	ng/ul#	72
13) Pentachlorophenol	16.99	266	2	0.00	ng/ul#	20
14) Phenanthrene	17.33	178	951	0.00	ng/ul#	78
15) Anthracene	17.33	178	930	0.00	ng/ul#	78
17) Fluoranthene	19.27	202	9157	0.01	ng/ul	97
19) Pyrene	19.63	202	8843	0.38	ng/ul	96
20) Benzo(a)anthracene	21.37	228	4454	0.21	ng/ul#	89
21) Chrysene	21.43	228	4196	0.21	ng/ul#	93
23) Benzo(b)fluoranthene	22.99	252	4728	0.00	ng/ul	82
24) Benzo(k)fluoranthene	22.99	252	7952	0.01	ng/ul#	84
25) Benzo(a)pyrene	23.48	252	2862	0.00	ng/ul#	76
26) Indeno(1,2,3-cd)pyrene	25.76	276	286	0.00	ng/ul#	89
27) Dibenzo(a,h)anthracene	25.91	278	143	0.00	ng/ul#	1

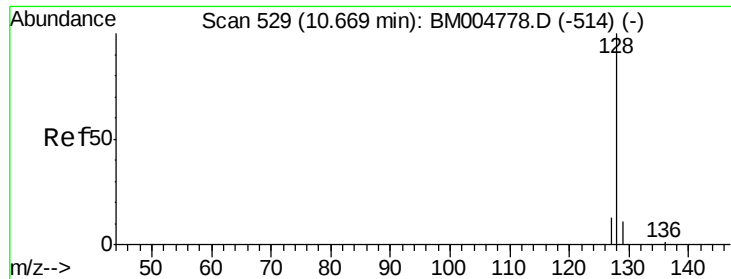
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004782.D

Acq: 25 Mar 2016 17:52

Instrument :

BNA_M

ClientSampleId :

A4T42

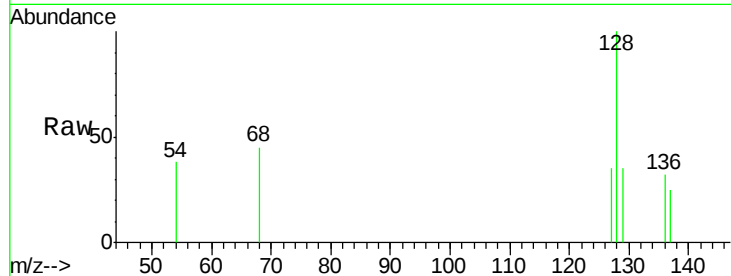
Tgt Ion:128 Resp: 289

Ion Ratio Lower Upper

128 100

129 35.0 9.0 13.6#

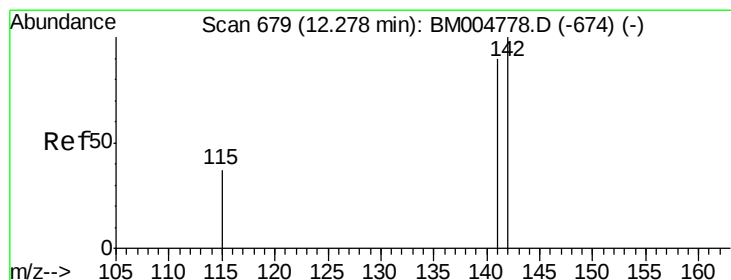
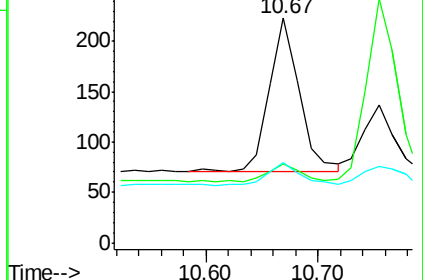
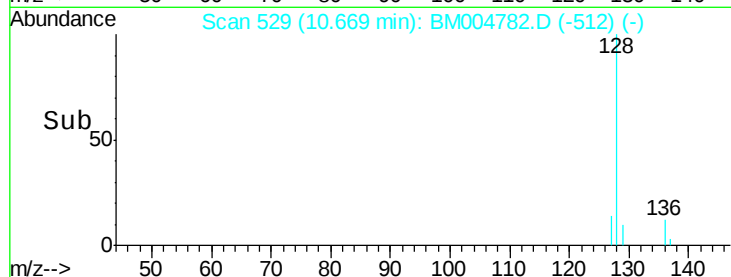
127 35.4 9.6 14.4#



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



#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004782.D

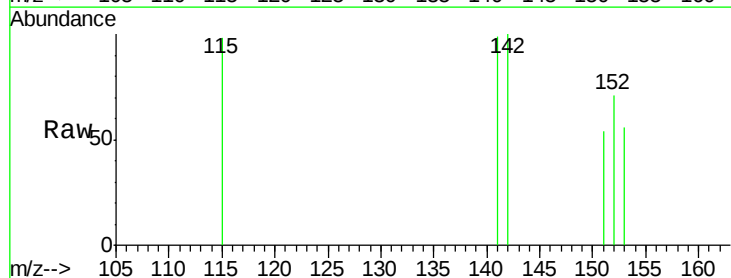
Acq: 25 Mar 2016 17:52

Tgt Ion:142 Resp: 75

Ion Ratio Lower Upper

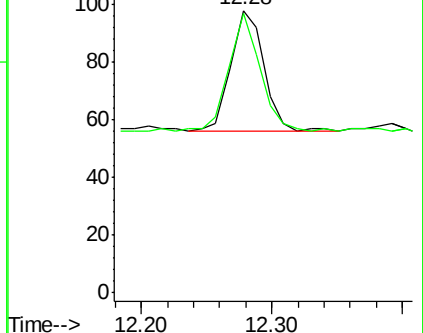
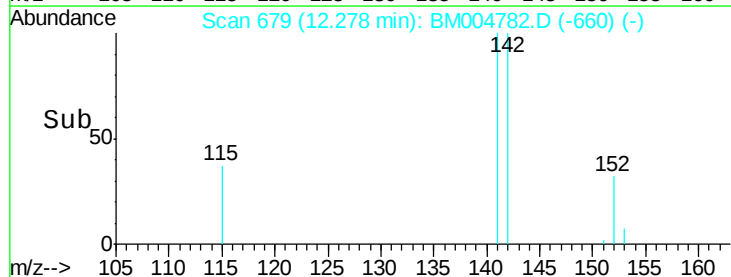
142 100

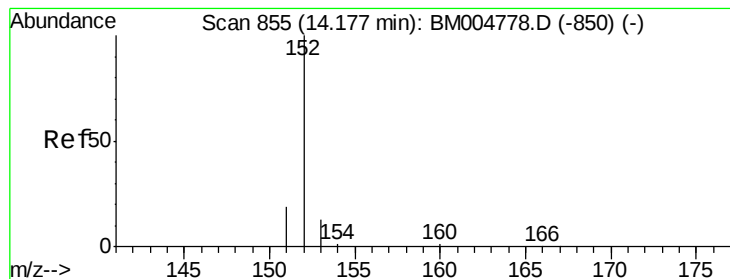
141 93.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004782.D

Acq: 25 Mar 2016 17:52

Instrument :

BNA_M

ClientSampleId :

A4T42

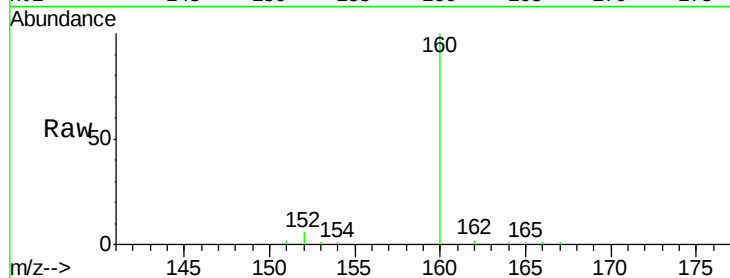
Tgt Ion:152 Resp: 615

Ion Ratio Lower Upper

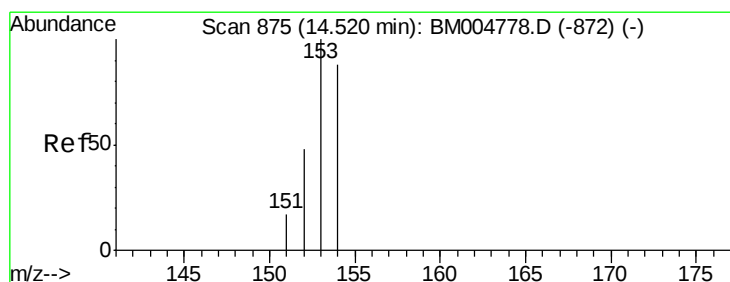
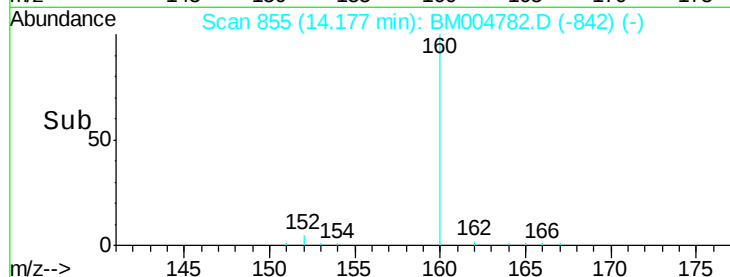
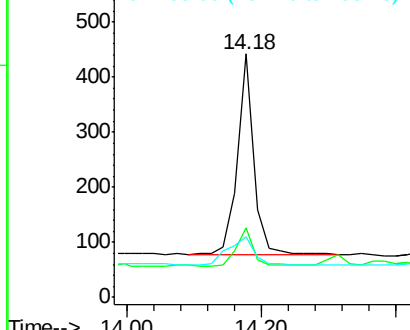
152 100

151 28.5 17.6 26.4#

153 24.9 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



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004782.D

Acq: 25 Mar 2016 17:52

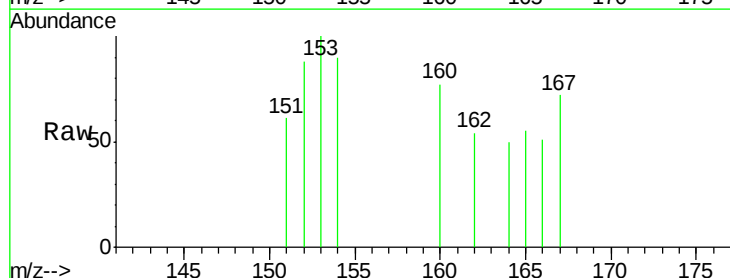
Tgt Ion:153 Resp: 83

Ion Ratio Lower Upper

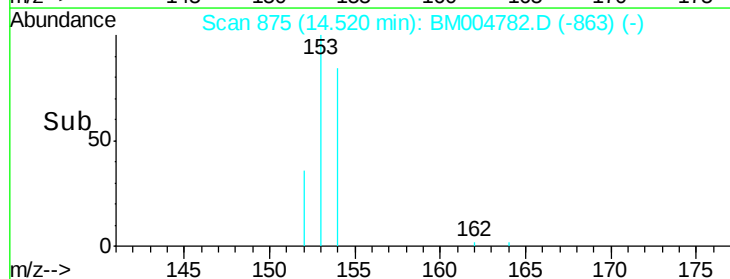
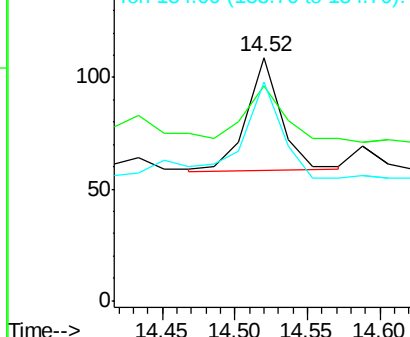
153 100

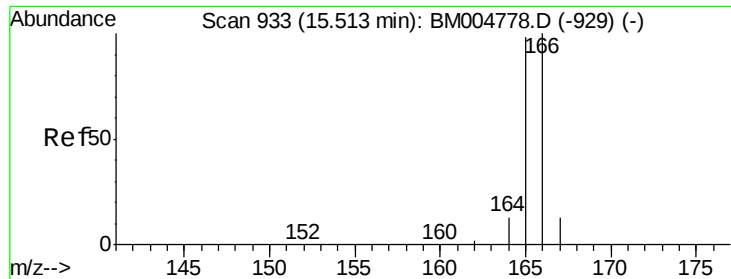
152 88.1 33.9 50.9#

154 89.9 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

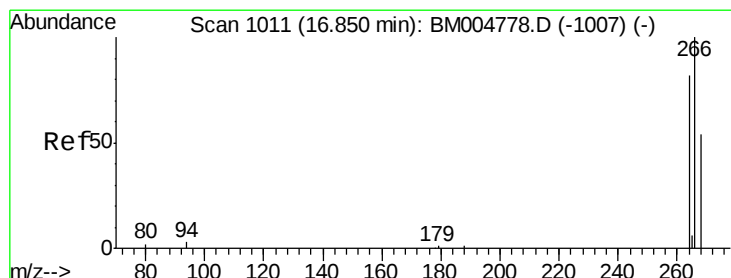
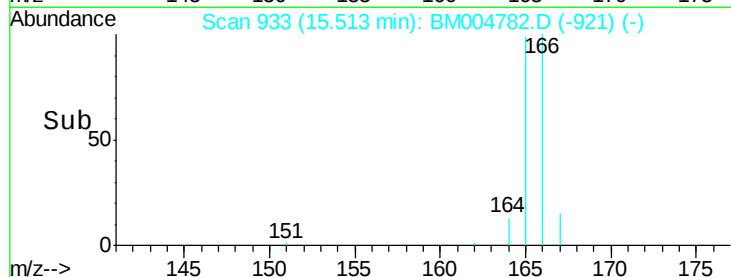
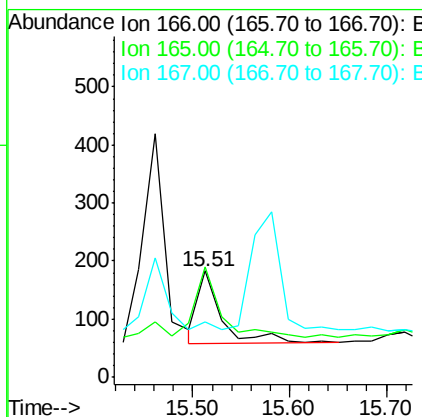
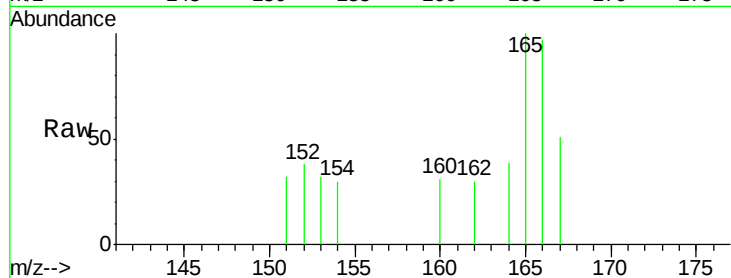




#11
 Fluorene
 Concen: 0.02 ng/ul
 RT: 15.51 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: BM004782.D
 Acq: 25 Mar 2016 17:52

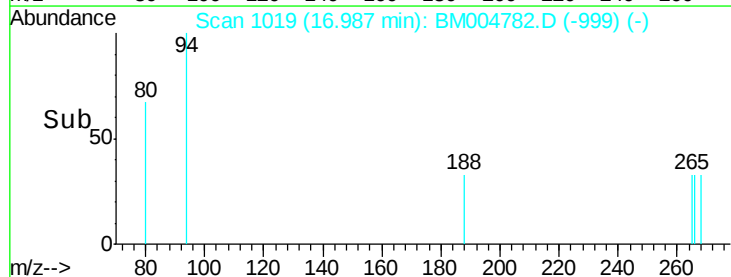
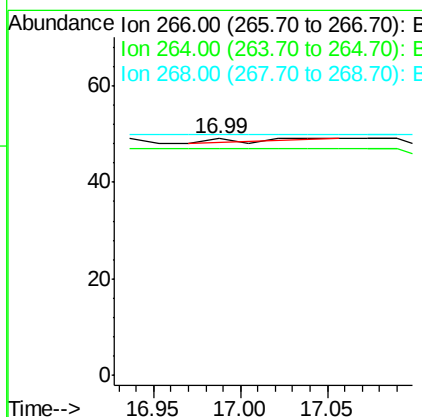
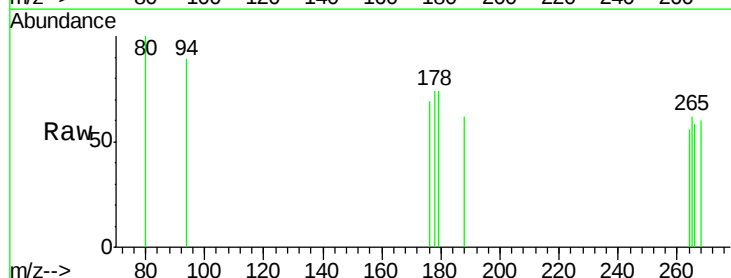
Instrument :
 BNA_M
 ClientSampleId :
 A4T42

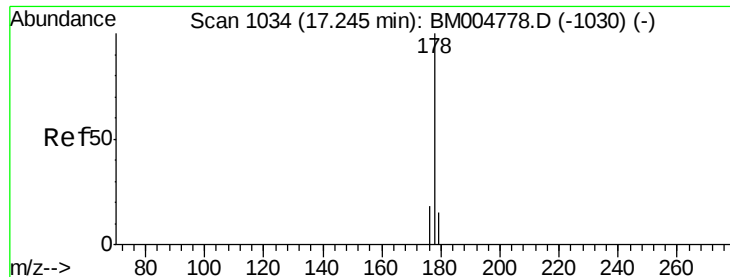
Tgt Ion:166 Resp: 210
 Ion Ratio Lower Upper
 166 100
 165 103.3 69.6 104.4
 167 52.5 11.9 17.9#



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.99 min Scan# 1019
 Delta R.T. 0.14 min
 Lab File: BM004782.D
 Acq: 25 Mar 2016 17:52

Tgt Ion:266 Resp: 2
 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: BM004782.D

Acq: 25 Mar 2016 17:52

Instrument :

BNA_M

ClientSampleId :

A4T42

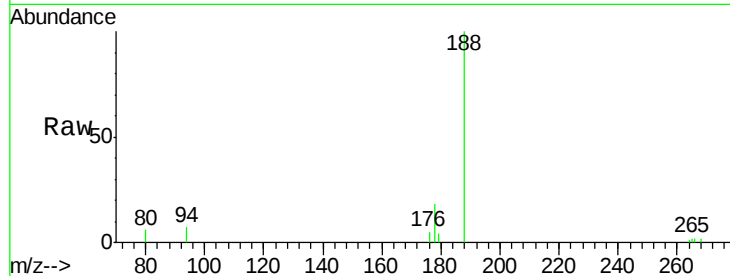
Tgt Ion:178 Resp: 951

Ion Ratio Lower Upper

178 100

176 27.2 13.0 19.4#

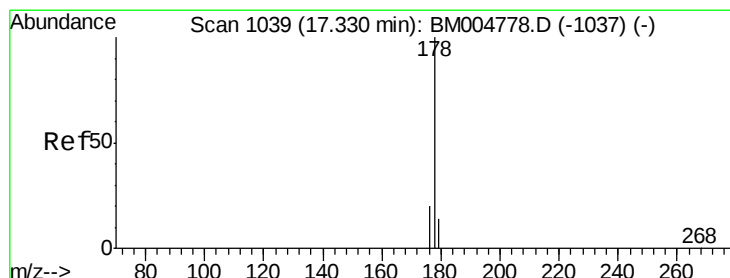
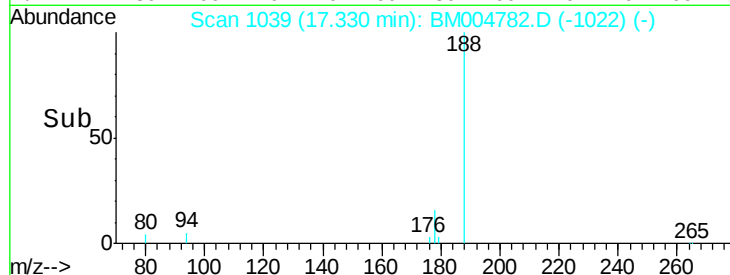
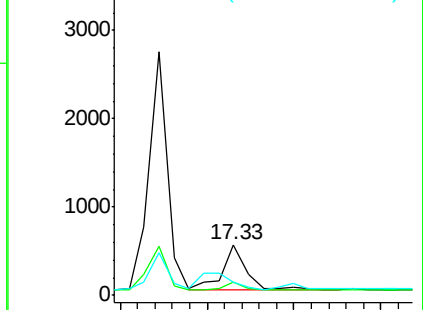
179 25.4 14.2 21.2#



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



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM004782.D

Acq: 25 Mar 2016 17:52

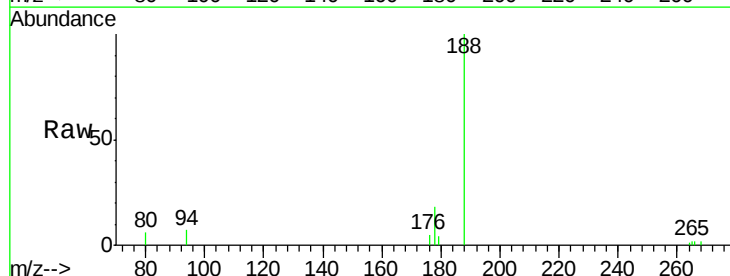
Tgt Ion:178 Resp: 930

Ion Ratio Lower Upper

178 100

176 27.2 14.0 21.0#

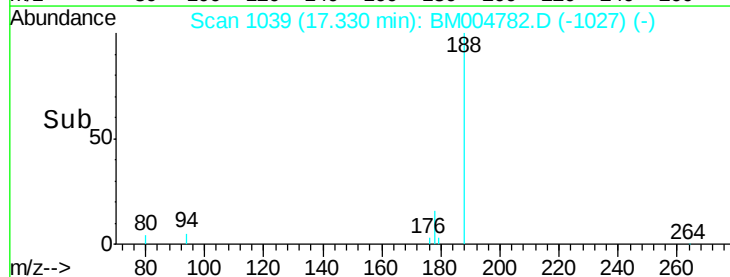
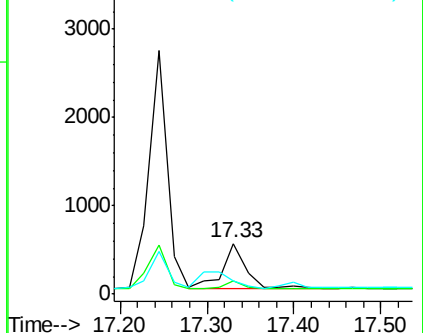
179 25.4 12.9 19.3#

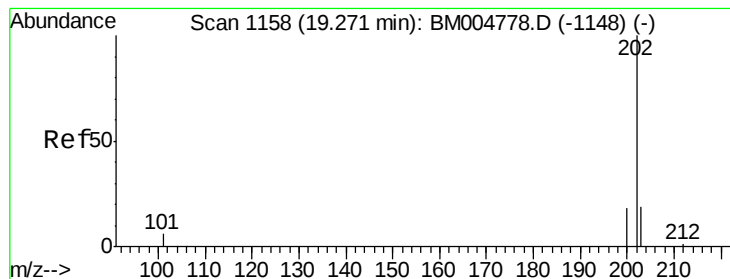


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.01 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BM004782.D

Acq: 25 Mar 2016 17:52

Instrument :

BNA_M

ClientSampleId :

A4T42

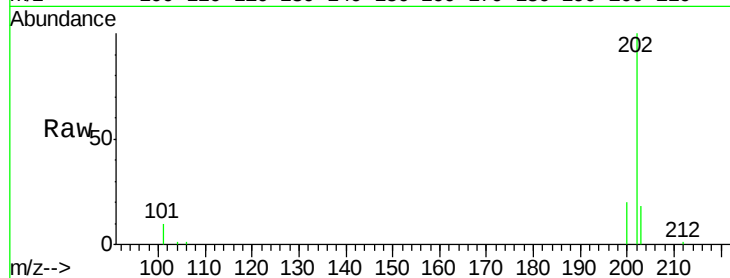
Tgt Ion:202 Resp: 9157

Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.6

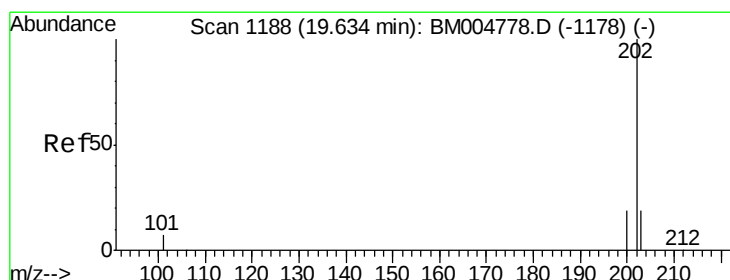
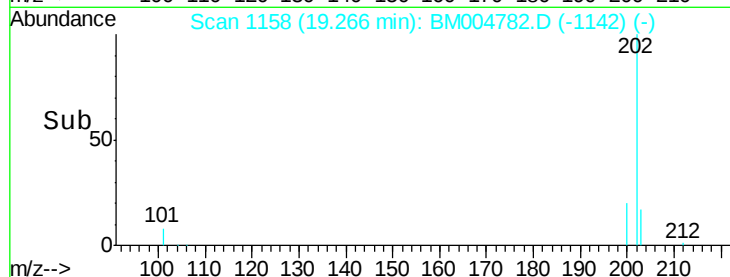
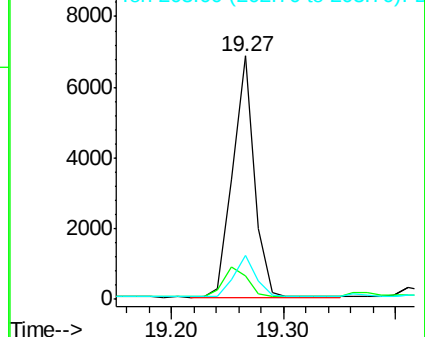
203 18.3 0.0 36.3



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: 0.38 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BM004782.D

Acq: 25 Mar 2016 17:52

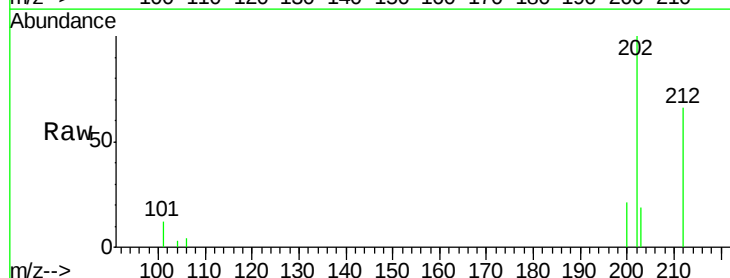
Tgt Ion:202 Resp: 8843

Ion Ratio Lower Upper

202 100

200 21.3 17.8 26.8

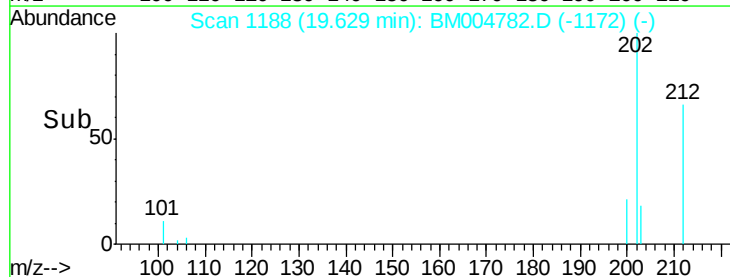
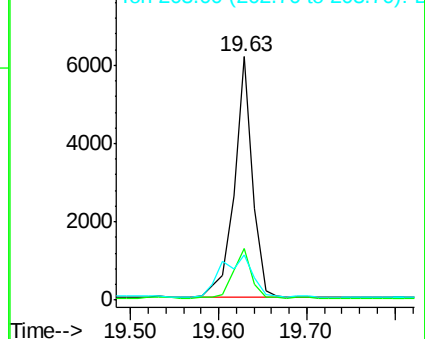
203 18.7 12.8 19.2

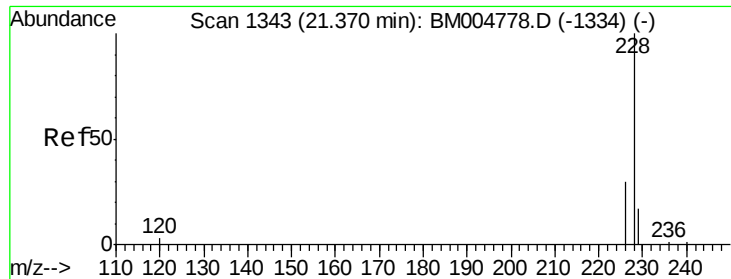


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.21 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BM004782.D

Acq: 25 Mar 2016 17:52

Instrument :

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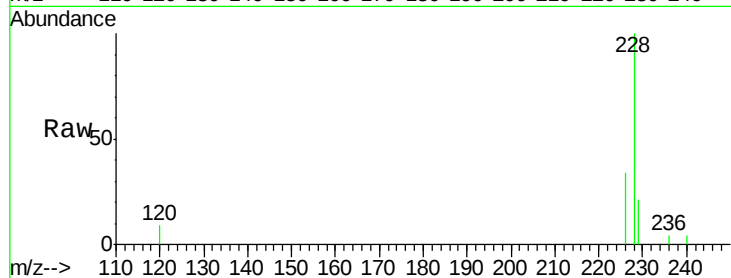
Tgt Ion:228 Resp: 4454

Ion Ratio Lower Upper

228 100

226 33.6 18.8 28.2#

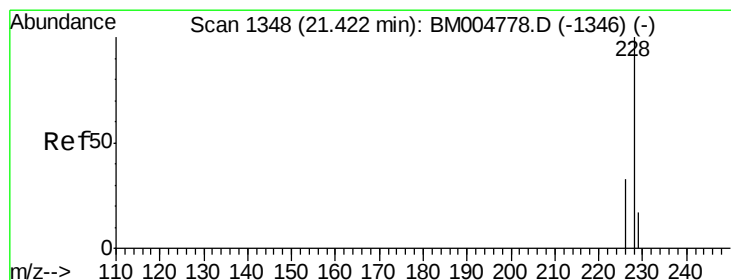
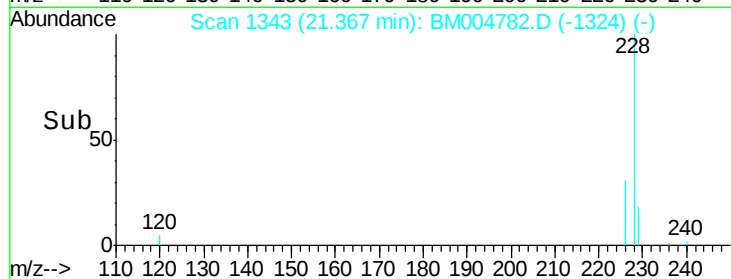
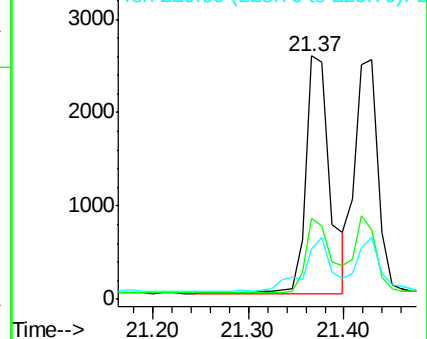
229 20.7 17.1 25.7



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: 0.21 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BM004782.D

Acq: 25 Mar 2016 17:52

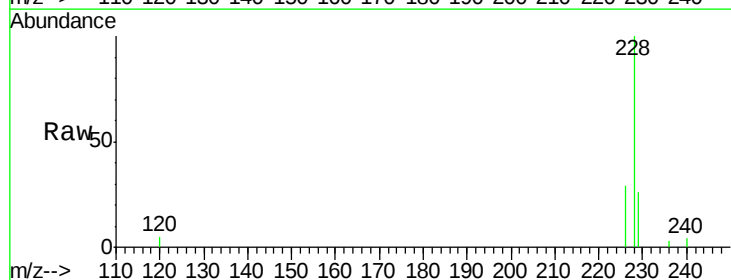
Tgt Ion:228 Resp: 4196

Ion Ratio Lower Upper

228 100

226 29.0 21.2 31.8

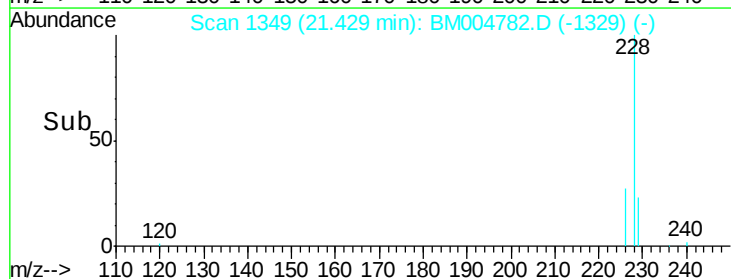
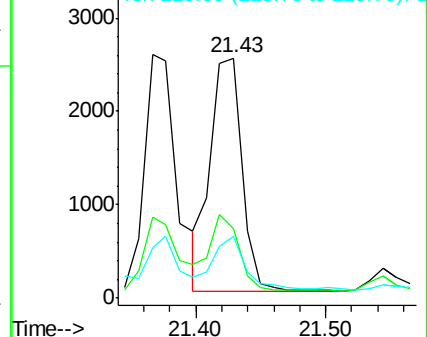
229 25.6 17.0 25.6#

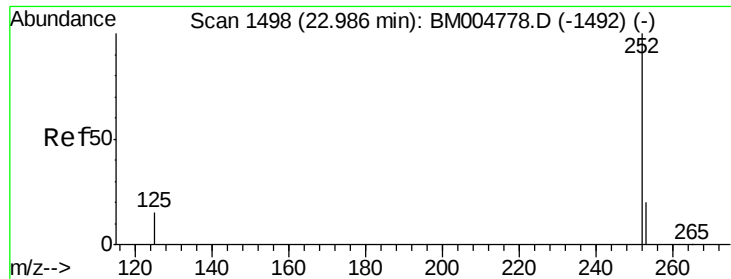


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. 0.01 min

Lab File: BM004782.D

Acq: 25 Mar 2016 17:52

Instrument :

BNA_M

ClientSampleId :

A4T42

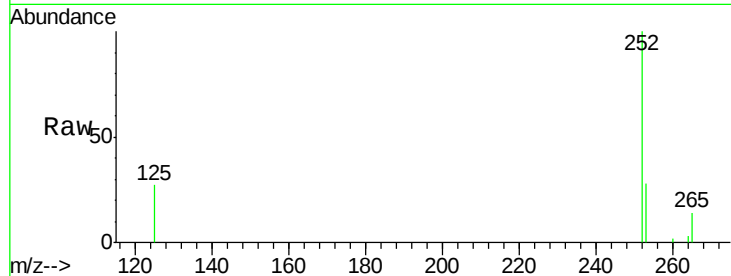
Tgt Ion:252 Resp: 4728

Ion Ratio Lower Upper

252 100

253 27.8 0.0 45.4

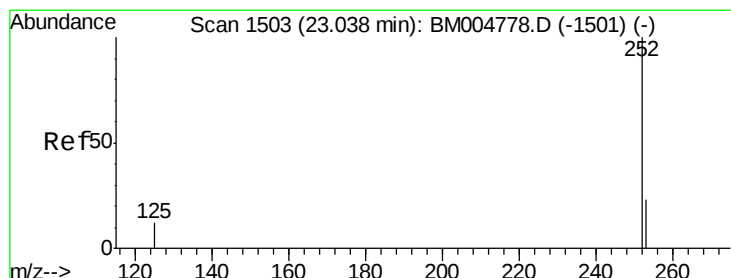
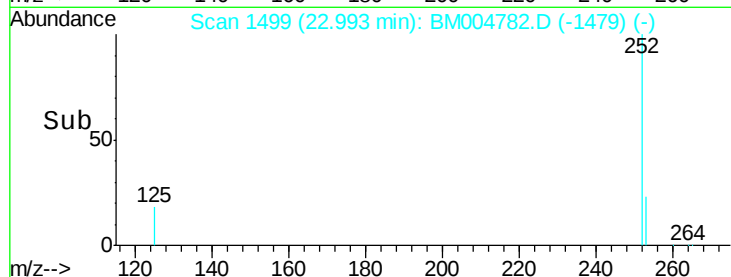
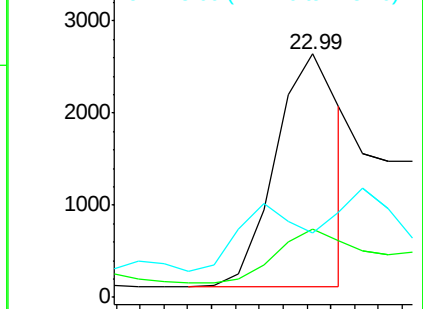
125 26.6 0.0 28.8



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: 0.01 ng/u1

RT: 22.99 min Scan# 1499

Delta R.T. -0.05 min

Lab File: BM004782.D

Acq: 25 Mar 2016 17:52

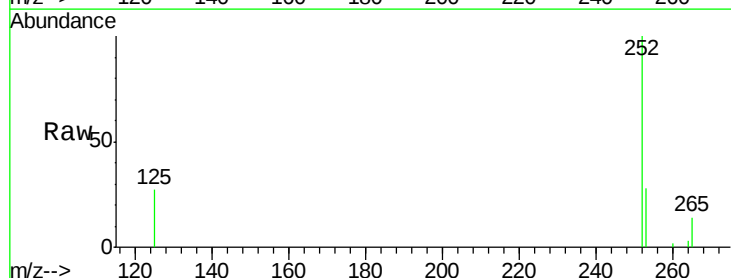
Tgt Ion:252 Resp: 7952

Ion Ratio Lower Upper

252 100

253 27.8 19.8 29.8

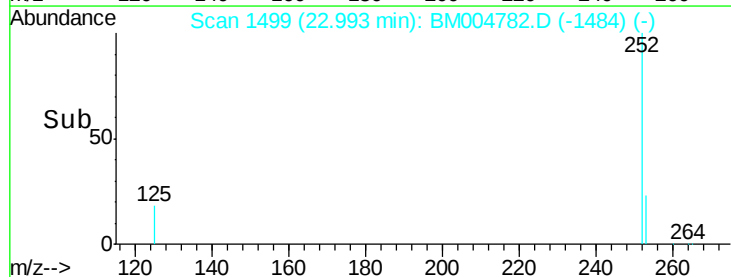
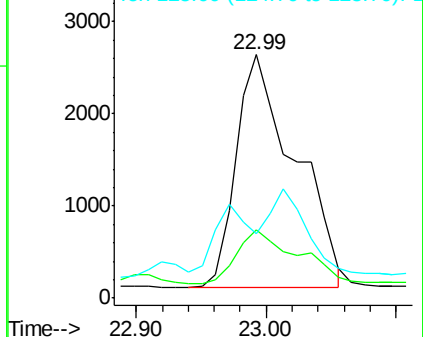
125 26.6 10.4 15.6#

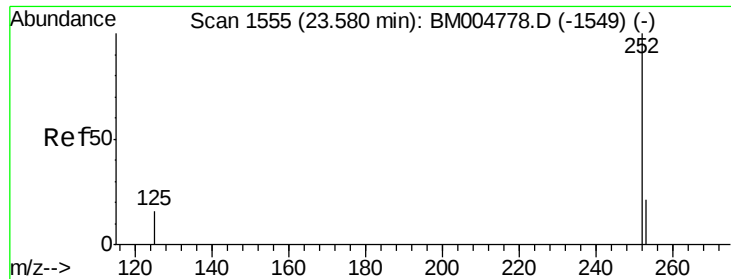


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.48 min Scan# 1546

Delta R.T. -0.10 min

Lab File: BM004782.D

Acq: 25 Mar 2016 17:52

Instrument :

BNA_M

ClientSampleId :

A4T42

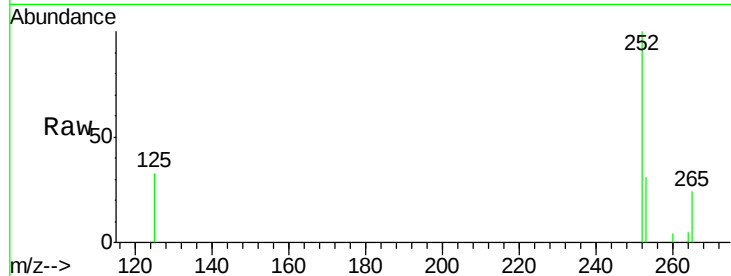
Tgt Ion:252 Resp: 2862

Ion Ratio Lower Upper

252 100

253 31.3 19.4 29.2#

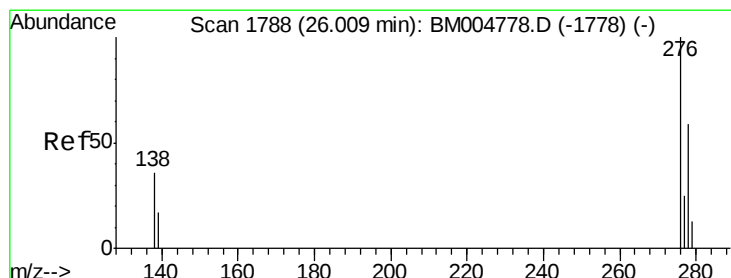
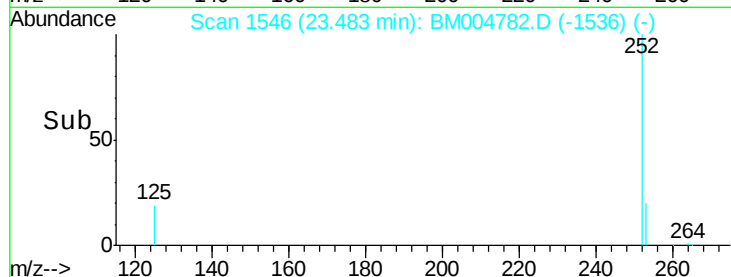
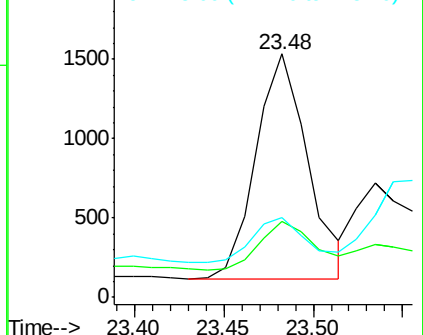
125 33.0 12.7 19.1#



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: 0.00 ng/u1

RT: 25.76 min Scan# 1764

Delta R.T. -0.25 min

Lab File: BM004782.D

Acq: 25 Mar 2016 17:52

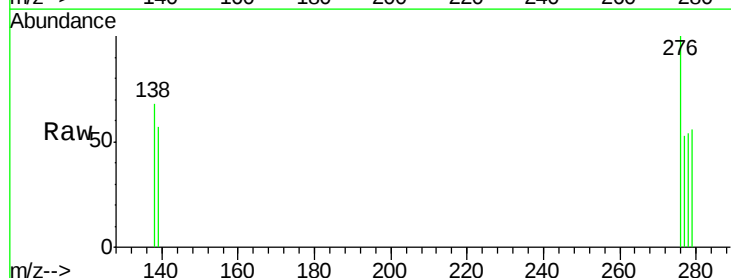
Tgt Ion:276 Resp: 286

Ion Ratio Lower Upper

276 100

138 13.6 16.3 24.5#

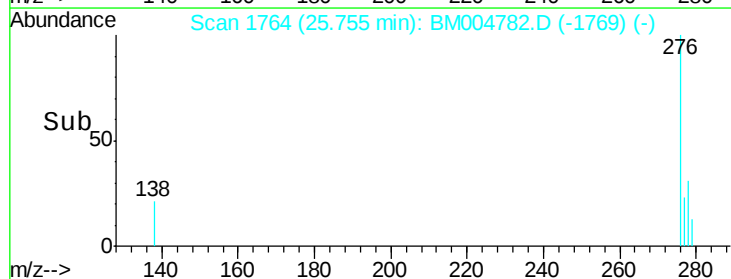
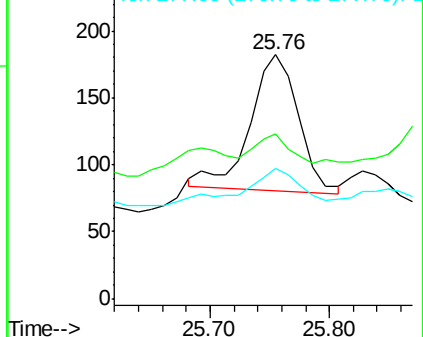
277 21.0 19.8 29.8

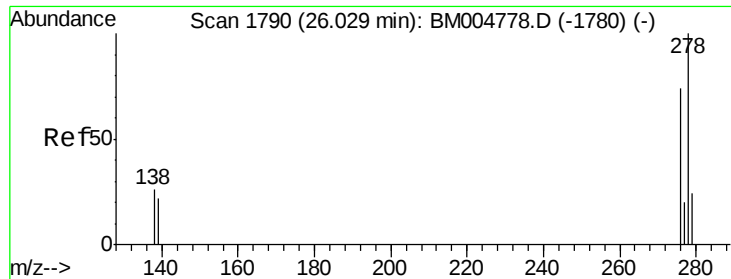


Abundance Ion 276.00 (275.70 to 276.70): E

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: BM004782.D

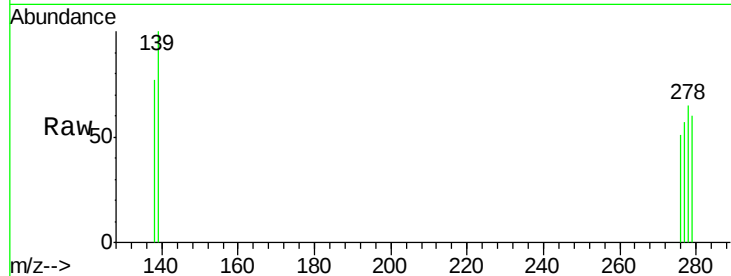
Acq: 25 Mar 2016 17:52

Instrument :

BNA_M

ClientSampleId :

A4T42



Tgt Ion:	278	Resp:	143
Ion	Ratio	Lower	Upper
278	100		
139	152.8	16.4	24.6#
279	91.5	20.2	30.2#

