

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121515\
 Data File : BM003561.D
 Acq On : 15 Dec 2015 22:43
 Operator : UM/IZ
 Sample : G4734-03MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4KW2MS

Quant Time: Dec 16 05:56:33 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 16 05:49:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	5472	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	20849	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	10703	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	1325739	0.40	ng/ul	0.10
18) Chrysene-d12	21.31	240	18841	0.40	ng/ul	0.00
22) Perylene-d12	23.42	264	1170671	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.18	96	7220	3.09	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.10	152	8156	0.33	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	13955	0.00	ng/ul	0.00

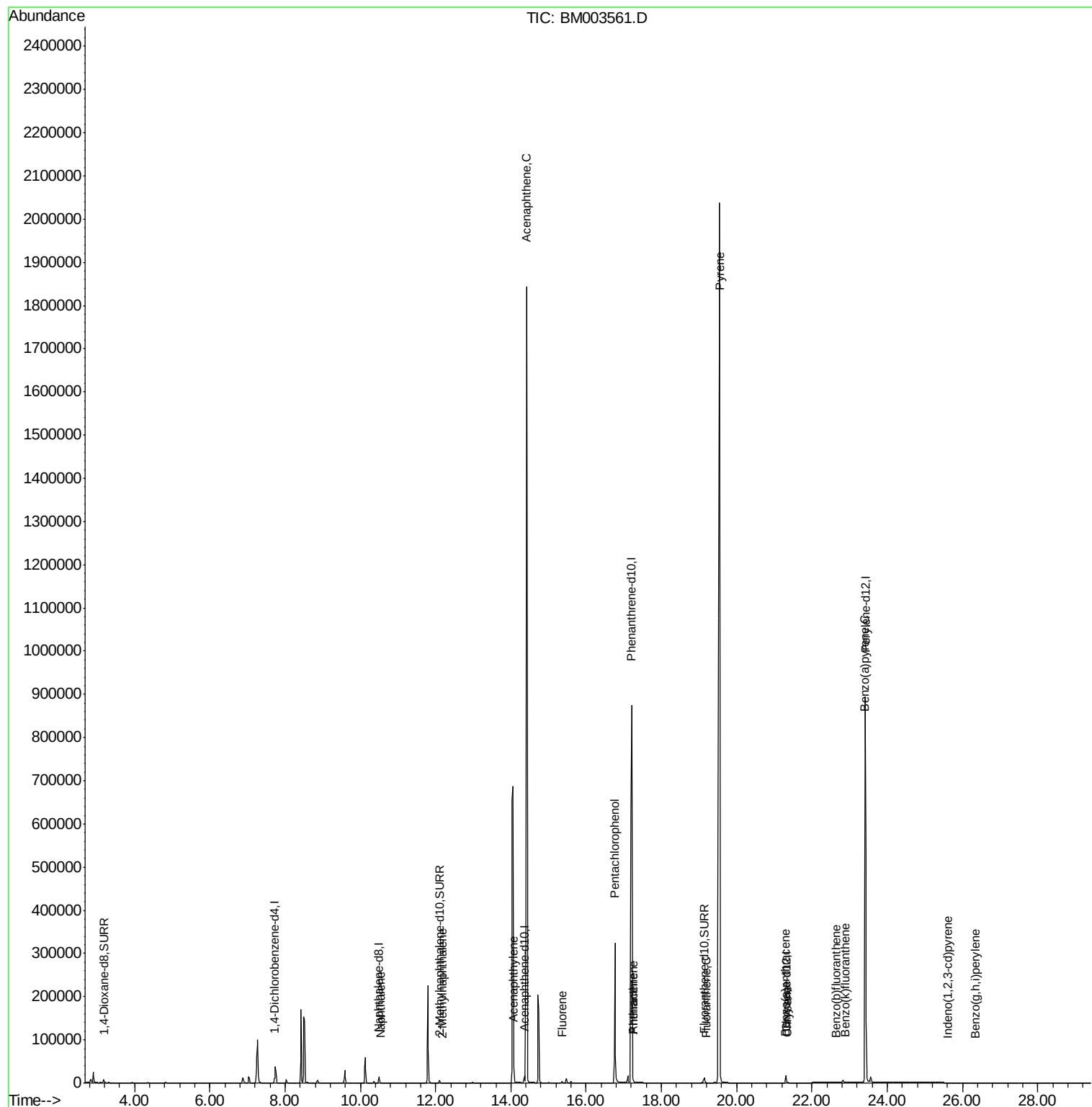
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	474	0.01	ng/ul#	55
7) 2-Methylnaphthalene	12.17	142	166	0.01	ng/ul#	61
9) Acenaphthylene	14.07	152	1504	0.04	ng/ul#	93
10) Acenaphthene	14.42	153	1083793	32.89	ng/ul	86
11) Fluorene	15.36	166	2707	0.07	ng/ul#	20
13) Pentachlorophenol	16.76	266	208805	1.10	ng/ul	94
14) Phenanthrene	17.24	178	7626	0.00	ng/ul	96
15) Anthracene	17.24	178	7694	0.00	ng/ul#	96
17) Fluoranthene	19.18	202	1319	0.00	ng/ul	77
19) Pyrene	19.54	202	2034091	39.99	ng/ul	94
20) Benzo(a)anthracene	21.29	228	657	0.01	ng/ul#	63
21) Chrysene	21.35	228	2201	0.04	ng/ul#	88
23) Benzo(b)fluoranthene	22.65	252	48	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.88	252	1263	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.41	252	4873	0.00	ng/ul#	59
26) Indeno(1,2,3-cd)pyrene	25.61	276	6	0.00	ng/ul#	53
28) Benzo(g,h,i)perylene	26.35	276	4	0.00	ng/ul#	1

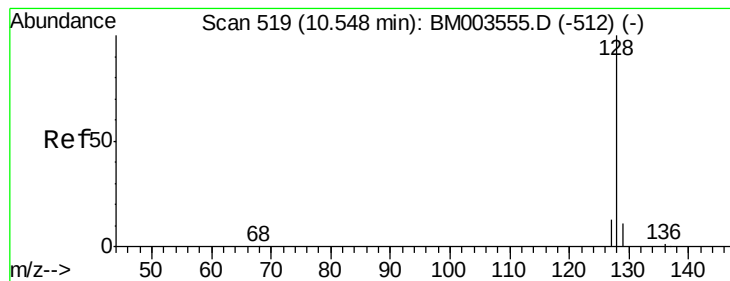
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003561.D

Acq: 15 Dec 2015 22:43

Instrument :

BNA_M

ClientSampleId :

A4KW2MS

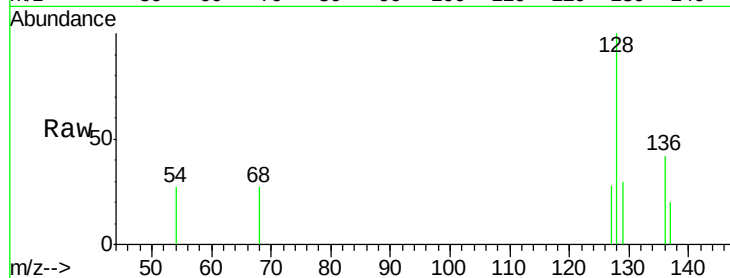
Tgt Ion:128 Resp: 474

Ion Ratio Lower Upper

128 100

129 29.7 9.0 13.6#

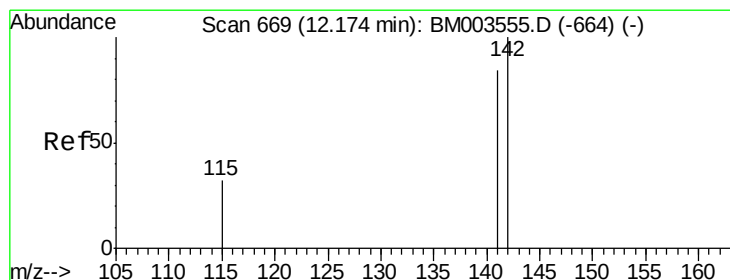
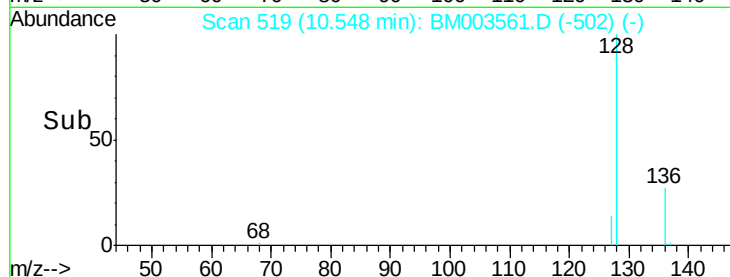
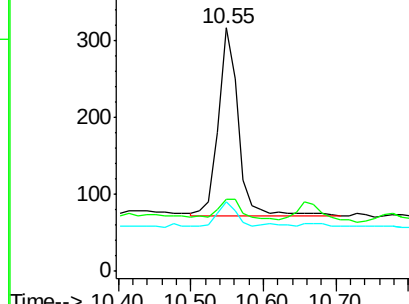
127 28.4 9.6 14.4#



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: 12.17 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM003561.D

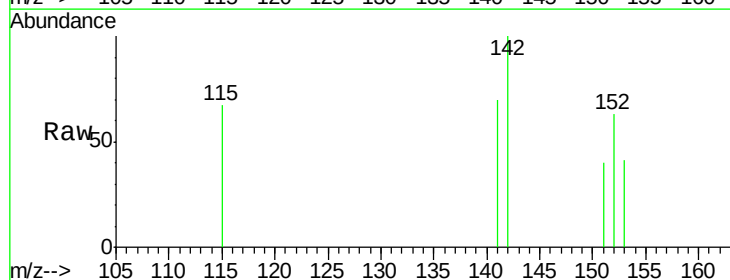
Acq: 15 Dec 2015 22:43

Tgt Ion:142 Resp: 166

Ion Ratio Lower Upper

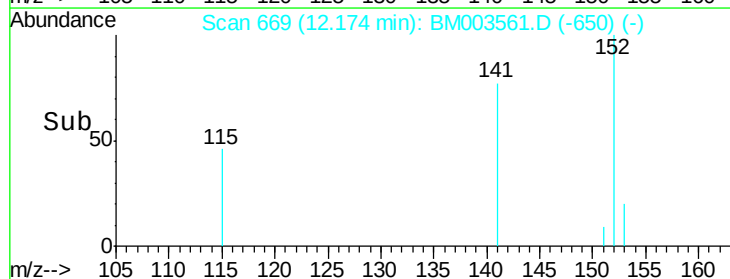
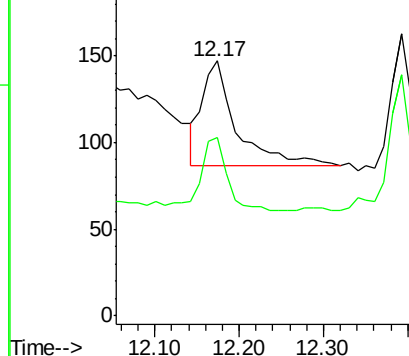
142 100

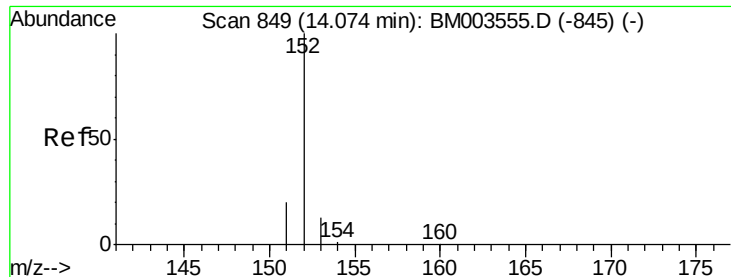
141 51.2 70.3 105.5#



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: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003561.D

Acq: 15 Dec 2015 22:43

Instrument :

BNA_M

ClientSampleId :

A4KW2MS

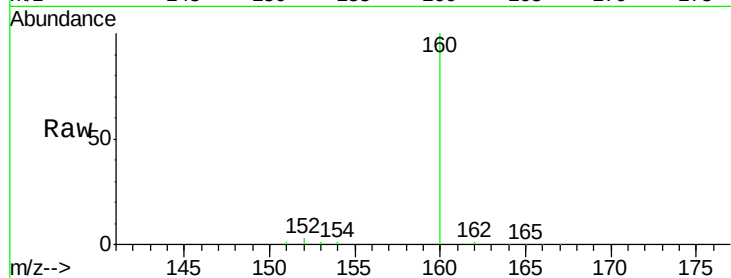
Tgt Ion:152 Resp: 1504

Ion Ratio Lower Upper

152 100

151 22.6 17.6 26.4

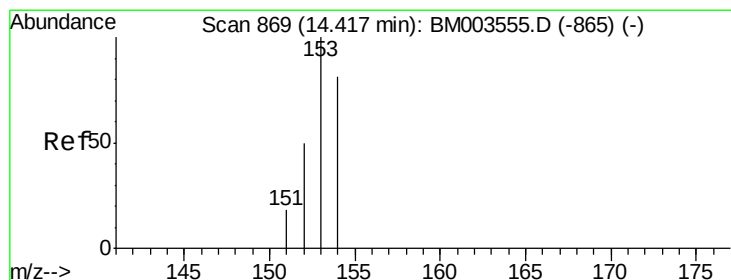
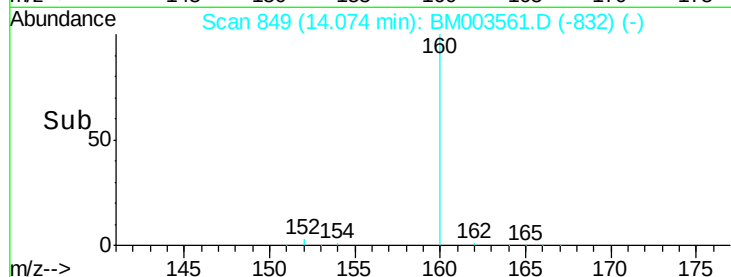
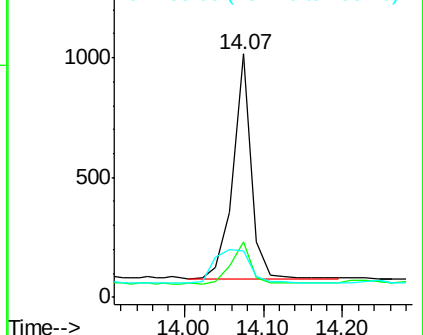
153 18.9 9.7 14.5#



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: 32.89 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003561.D

Acq: 15 Dec 2015 22:43

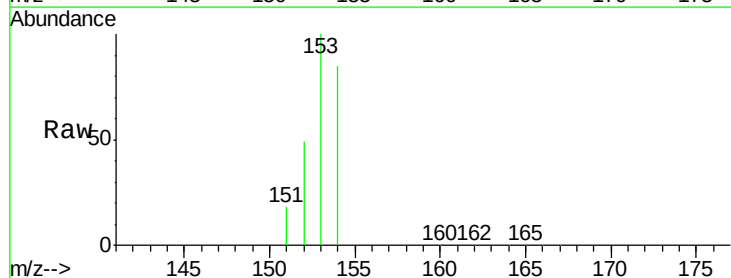
Tgt Ion:153 Resp: 1083793

Ion Ratio Lower Upper

153 100

152 49.1 33.9 50.9

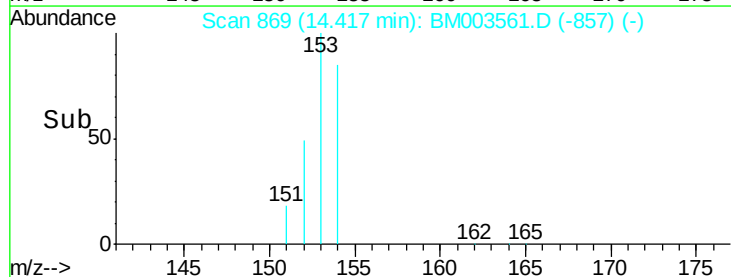
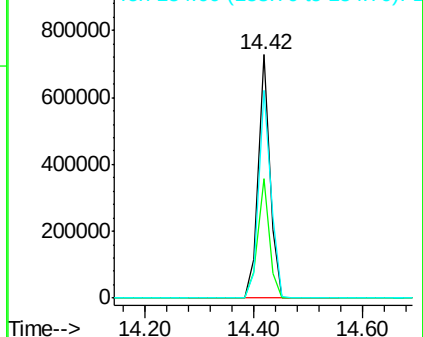
154 85.4 80.6 121.0

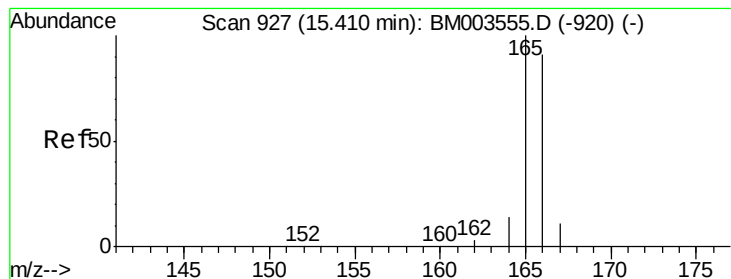


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.07 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.05 min

Lab File: BM003561.D

Acq: 15 Dec 2015 22:43

Instrument :

BNA_M

ClientSampleId :

A4KW2MS

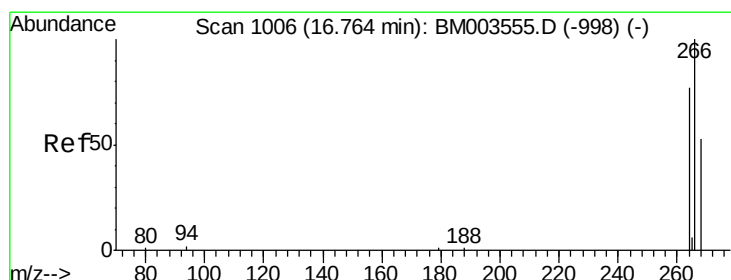
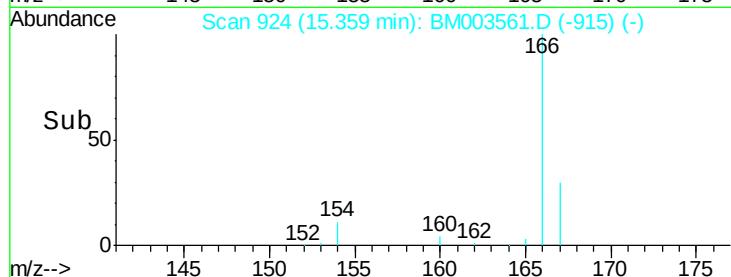
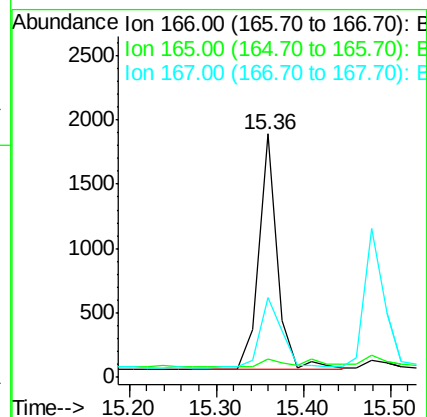
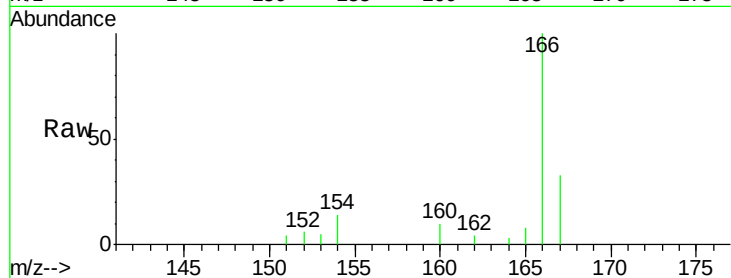
Tgt Ion:166 Resp: 2707

Ion Ratio Lower Upper

166 100

165 7.6 69.6 104.4#

167 32.8 11.9 17.9#



#13

Pentachlorophenol

Concen: 1.10 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BM003561.D

Acq: 15 Dec 2015 22:43

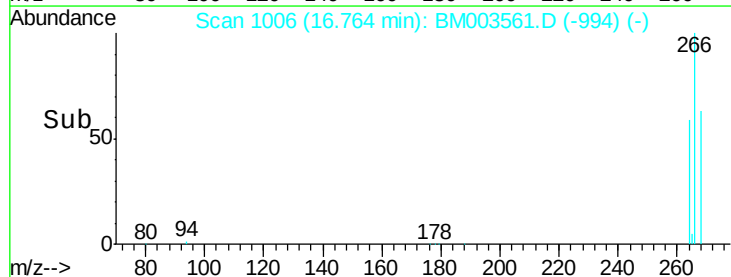
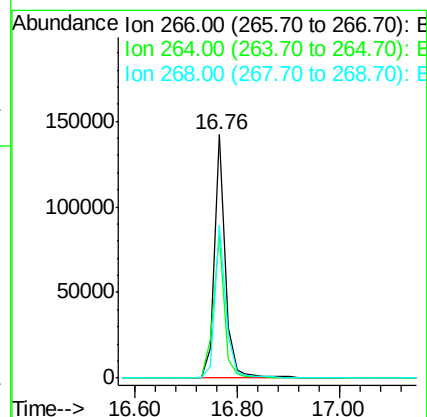
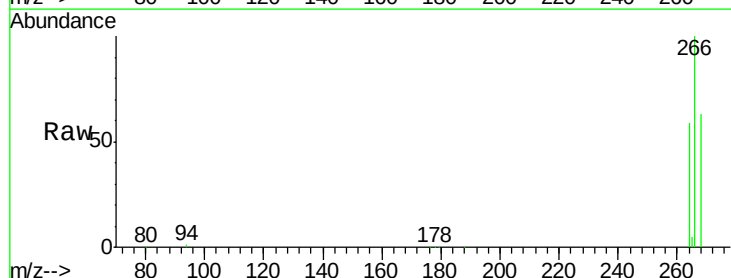
Tgt Ion:266 Resp: 208805

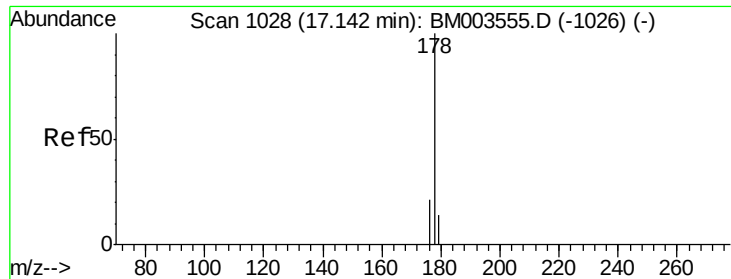
Ion Ratio Lower Upper

266 100

264 61.7 51.8 77.8

268 64.1 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.10 min

Lab File: BM003561.D

Acq: 15 Dec 2015 22:43

Instrument :

BNA_M

ClientSampleId :

A4KW2MS

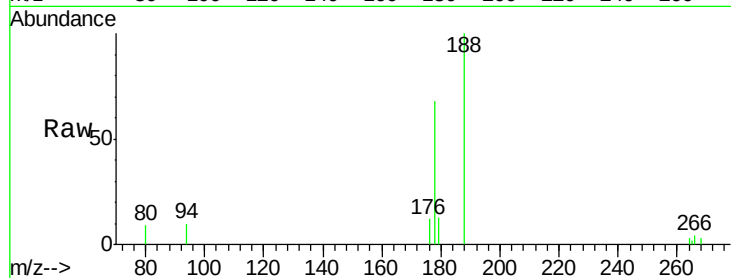
Tgt Ion:178 Resp: 7626

Ion Ratio Lower Upper

178 100

176 17.9 13.0 19.4

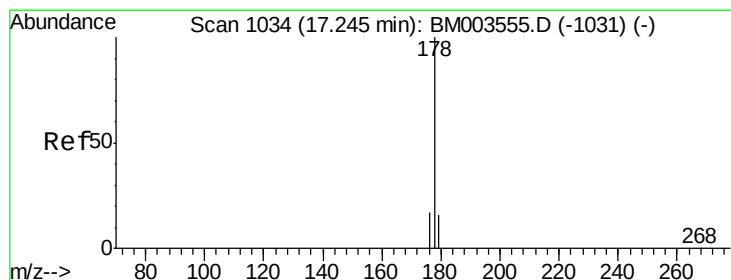
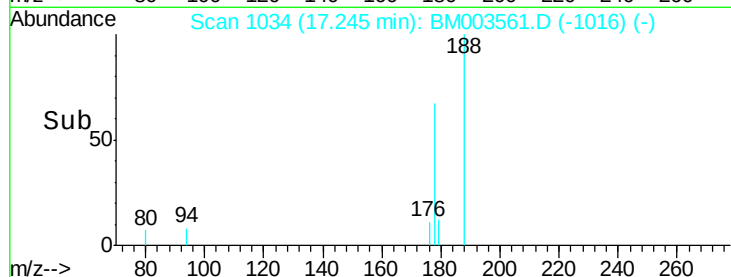
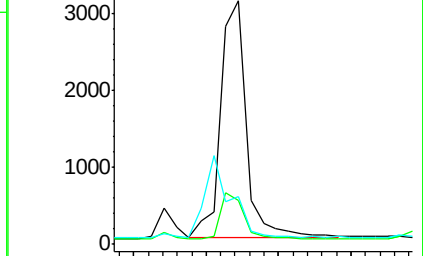
179 19.6 14.2 21.2



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: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM003561.D

Acq: 15 Dec 2015 22:43

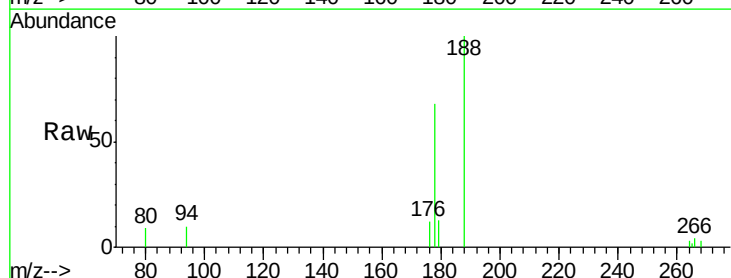
Tgt Ion:178 Resp: 7694

Ion Ratio Lower Upper

178 100

176 17.9 14.0 21.0

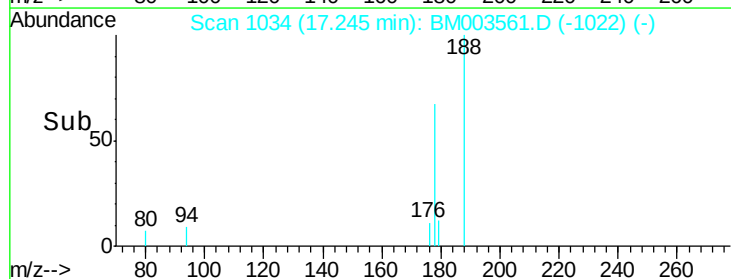
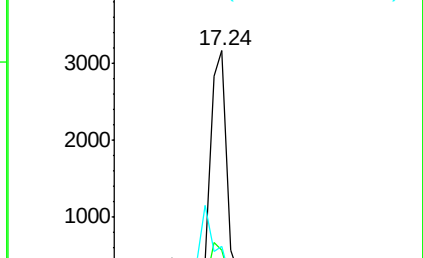
179 19.6 12.9 19.3#

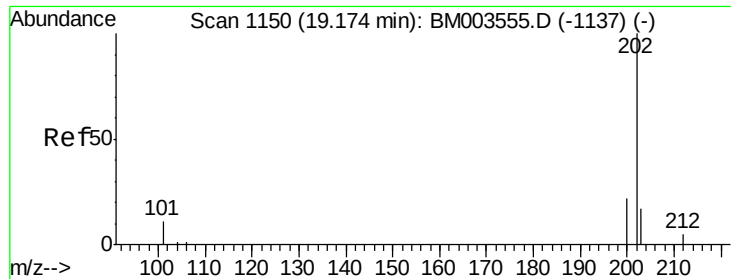


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.18 min Scan# 1151

Delta R.T. 0.01 min

Lab File: BM003561.D

Acq: 15 Dec 2015 22:43

Instrument :

BNA_M

ClientSampleId :

A4KW2MS

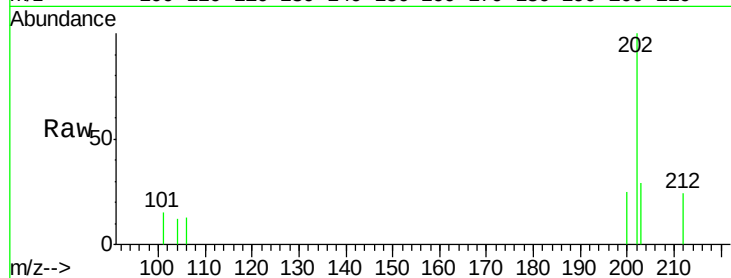
Tgt Ion:202 Resp: 1319

Ion Ratio Lower Upper

202 100

101 14.6 0.0 29.6

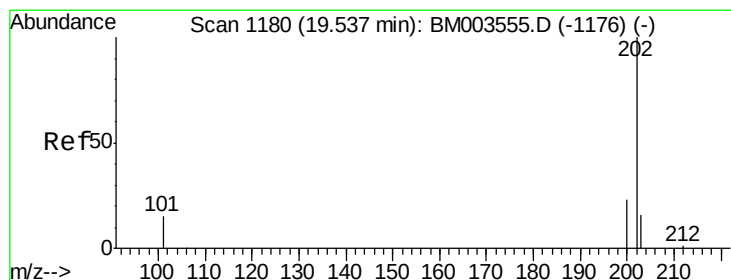
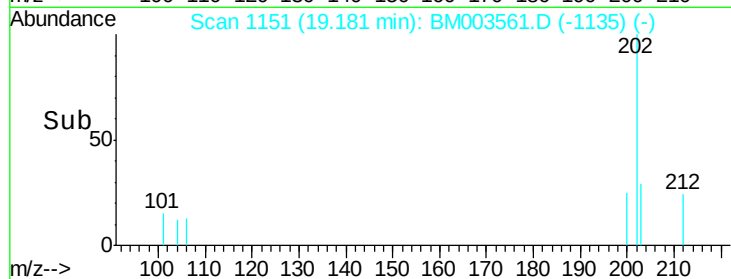
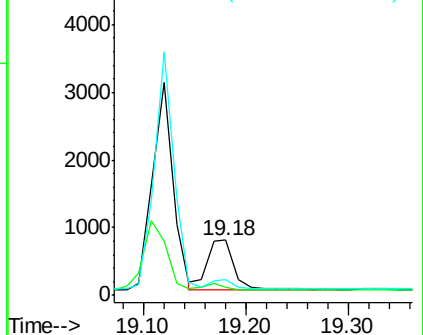
203 28.8 0.0 36.3



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: 39.99 ng/ul

RT: 19.54 min Scan# 1181

Delta R.T. 0.01 min

Lab File: BM003561.D

Acq: 15 Dec 2015 22:43

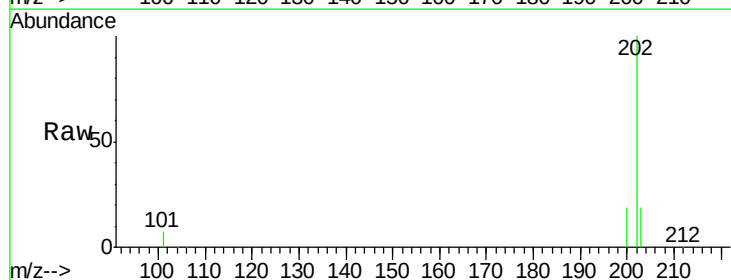
Tgt Ion:202 Resp: 2034091

Ion Ratio Lower Upper

202 100

200 19.4 17.8 26.8

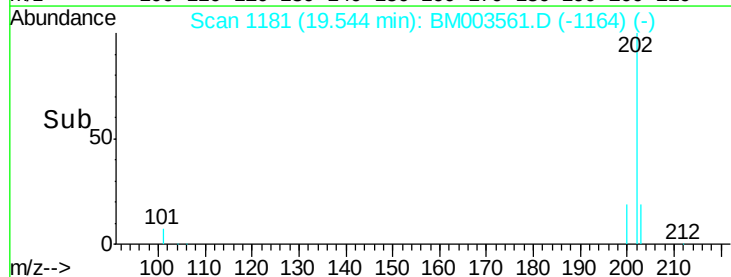
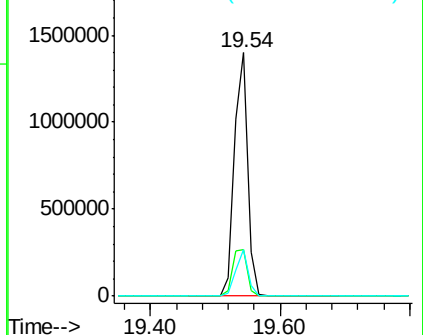
203 18.9 12.8 19.2

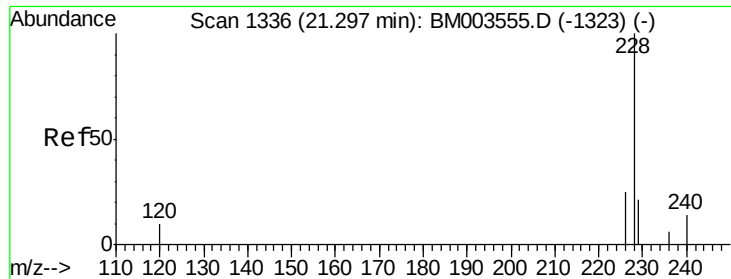


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BM003561.D

Acq: 15 Dec 2015 22:43

Instrument :

BNA_M

ClientSampleId :

A4KW2MS

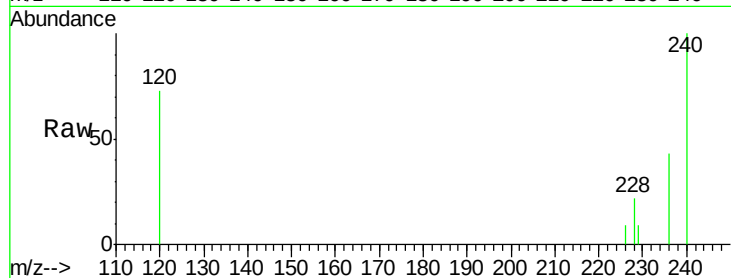
Tgt Ion:228 Resp: 657

Ion Ratio Lower Upper

228 100

226 40.3 18.8 28.2#

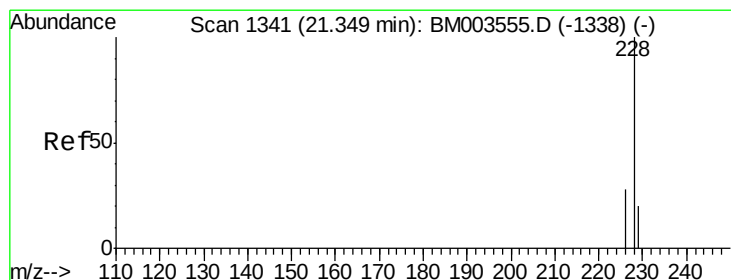
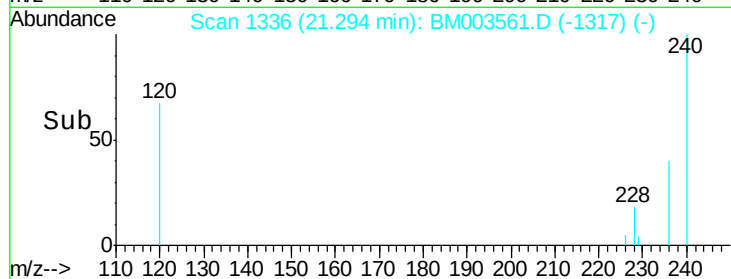
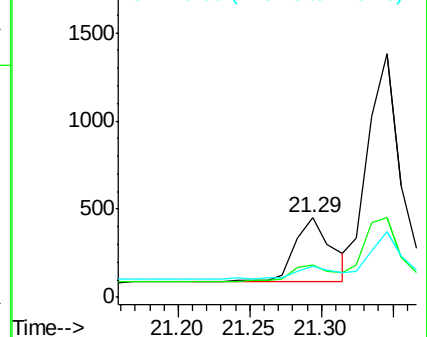
229 40.1 17.1 25.7#



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: 0.04 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM003561.D

Acq: 15 Dec 2015 22:43

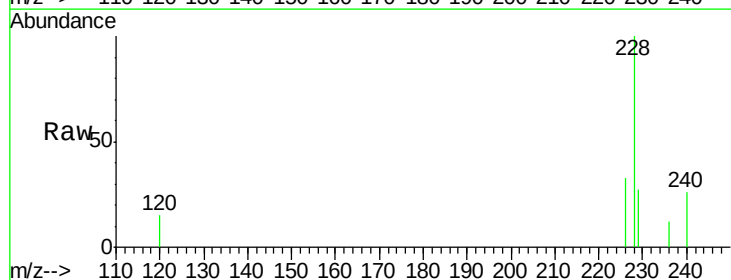
Tgt Ion:228 Resp: 2201

Ion Ratio Lower Upper

228 100

226 32.8 21.2 31.8#

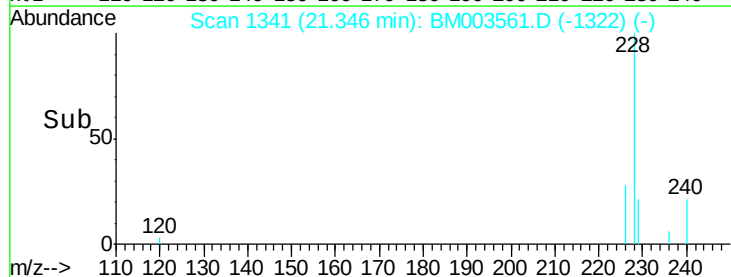
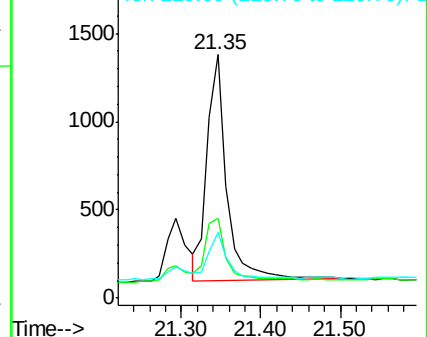
229 27.0 17.0 25.6#

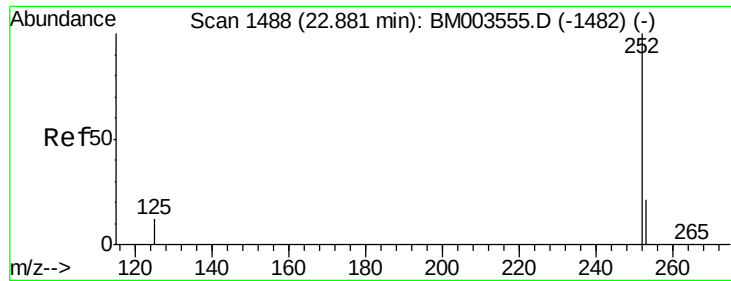


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.65 min Scan# 1466

Delta R.T. -0.23 min

Lab File: BM003561.D

Acq: 15 Dec 2015 22:43

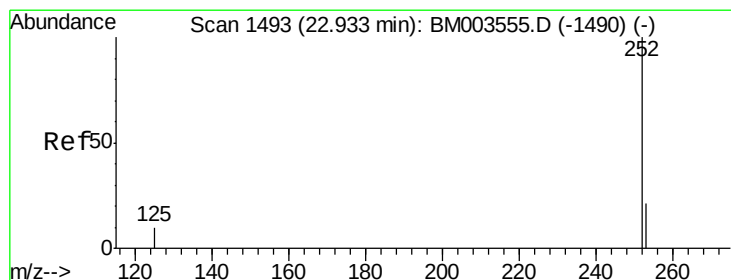
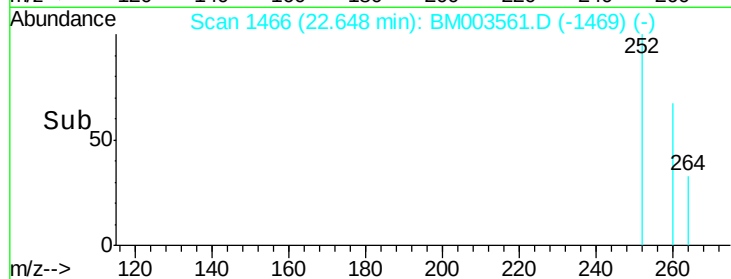
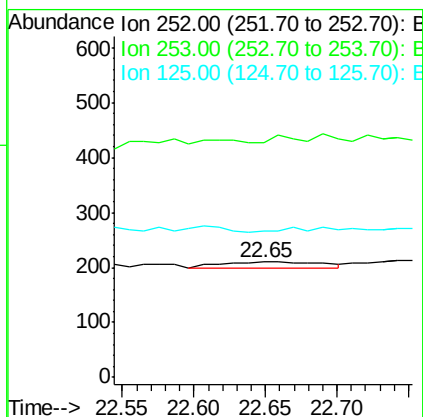
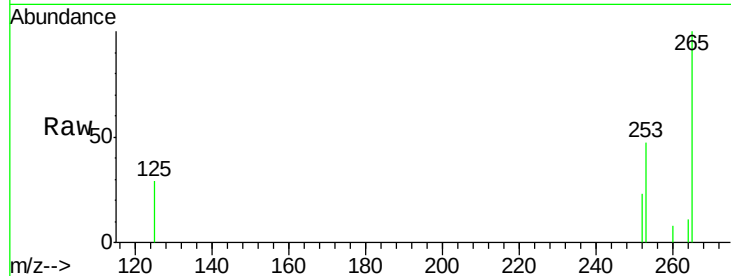
Instrument :

BNA_M

ClientSampleId :

A4KW2MS

Tgt Ion:	252	Resp:	48
Ion	Ratio	Lower	Upper
252	100		
253	203.8	0.0	45.4#
125	127.1	0.0	28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

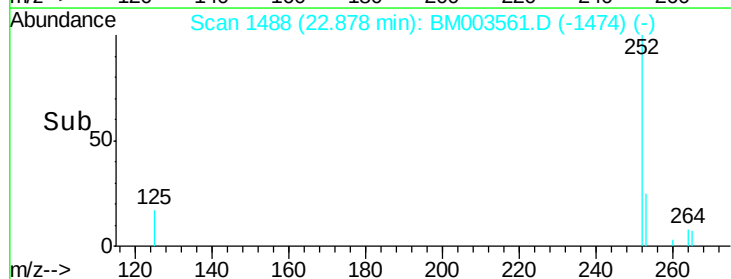
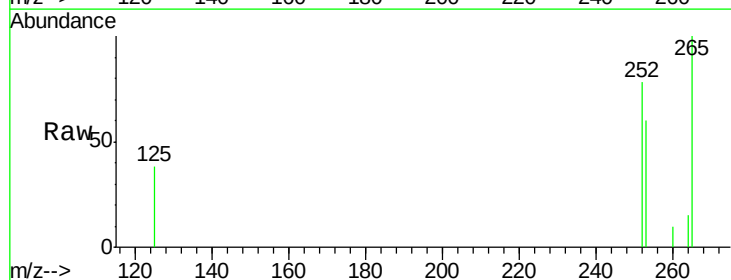
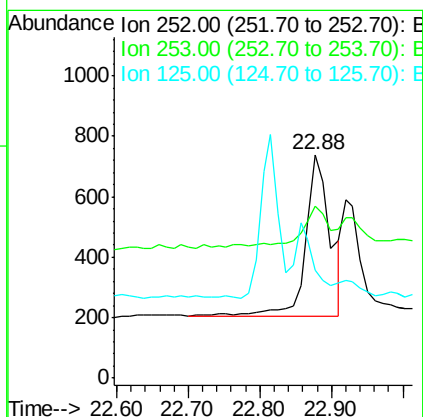
RT: 22.88 min Scan# 1488

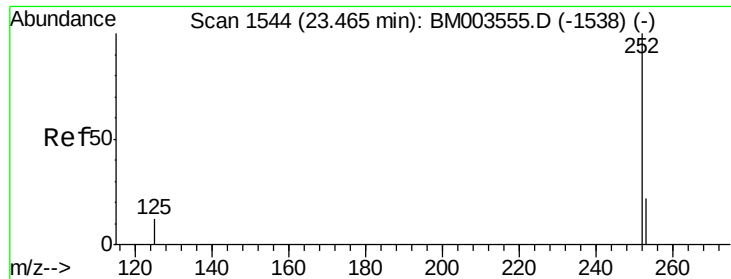
Delta R.T. -0.06 min

Lab File: BM003561.D

Acq: 15 Dec 2015 22:43

Tgt Ion:	252	Resp:	1263
Ion	Ratio	Lower	Upper
252	100		
253	76.8	19.8	29.8#
125	48.4	10.4	15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.06 min

Lab File: BM003561.D

Acq: 15 Dec 2015 22:43

Instrument :

BNA_M

ClientSampleId :

A4KW2MS

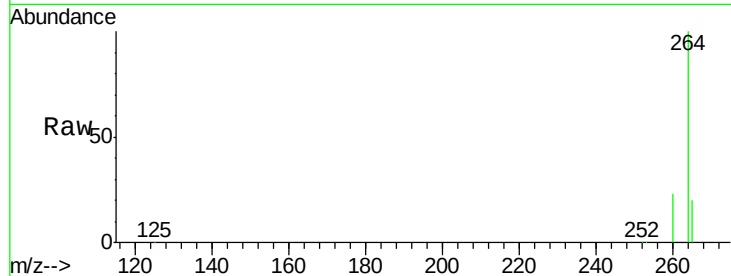
Tgt Ion: 252 Resp: 4873

Ion Ratio Lower Upper

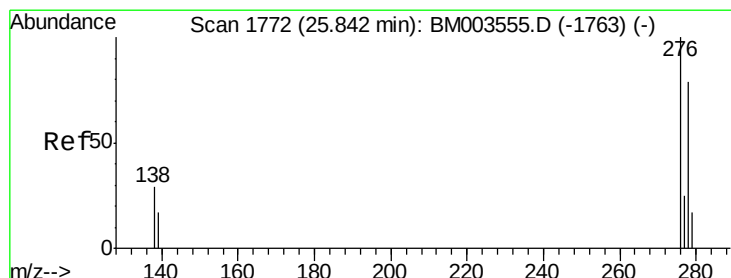
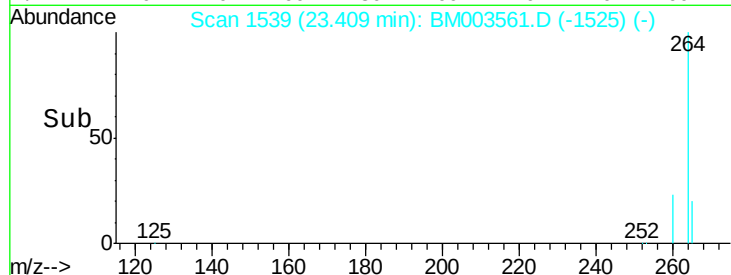
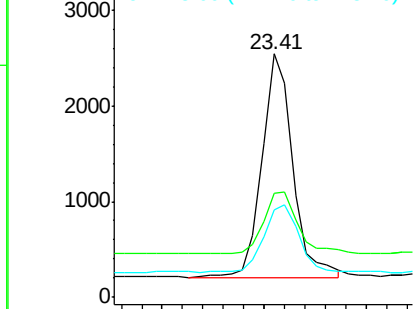
252 100

253 42.7 19.4 29.2#

125 36.0 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/ul

RT: 25.61 min Scan# 1750

Delta R.T. -0.23 min

Lab File: BM003561.D

Acq: 15 Dec 2015 22:43

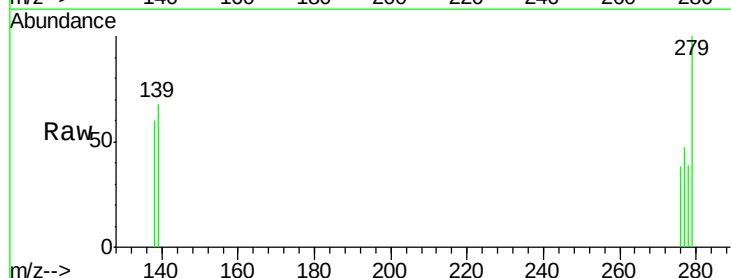
Tgt Ion: 276 Resp: 6

Ion Ratio Lower Upper

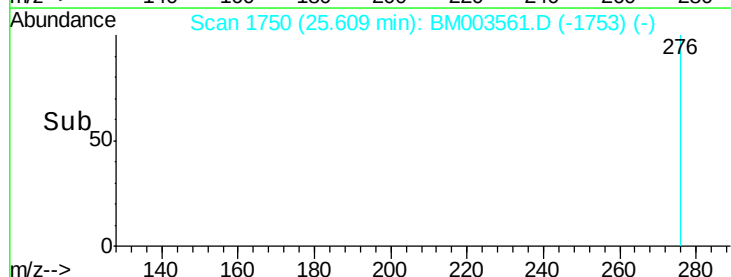
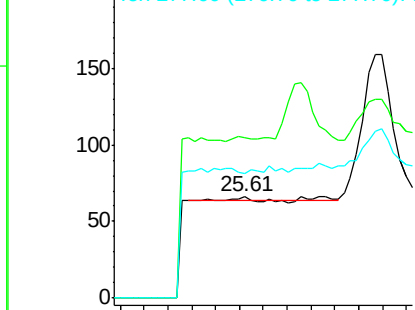
276 100

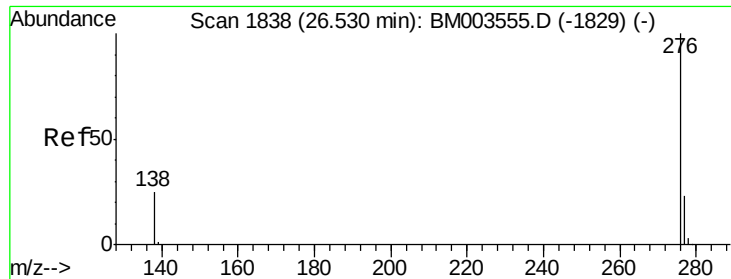
138 0.0 16.3 24.5#

277 0.0 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





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.35 min Scan# 1821

Delta R.T. -0.18 min

Lab File: BM003561.D

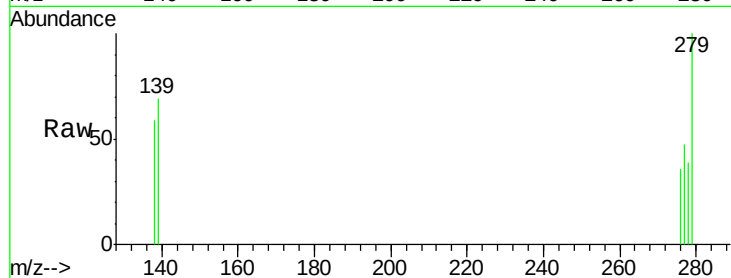
Acq: 15 Dec 2015 22:43

Instrument :

BNA_M

ClientSampleId :

A4KW2MS



Tgt Ion:	276	Resp:	4
Ion	Ratio	Lower	Upper
276	100		
277	128.1	18.9	28.3#
138	160.9	22.5	33.7#

