

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121515\
 Data File : BM003564.D
 Acq On : 16 Dec 2015 00:31
 Operator : UM/IZ
 Sample : G4734-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4KX4

Quant Time: Dec 16 05:57:30 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	4406	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	16710	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	9031	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	1285639	0.40	ng/ul	0.10
18) Chrysene-d12	21.30	240	18203	0.40	ng/ul	-0.01
22) Perylene-d12	23.42	264	1303859	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	6228	3.31	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.10	152	6768	0.34	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	13851	0.01	ng/ul	0.00

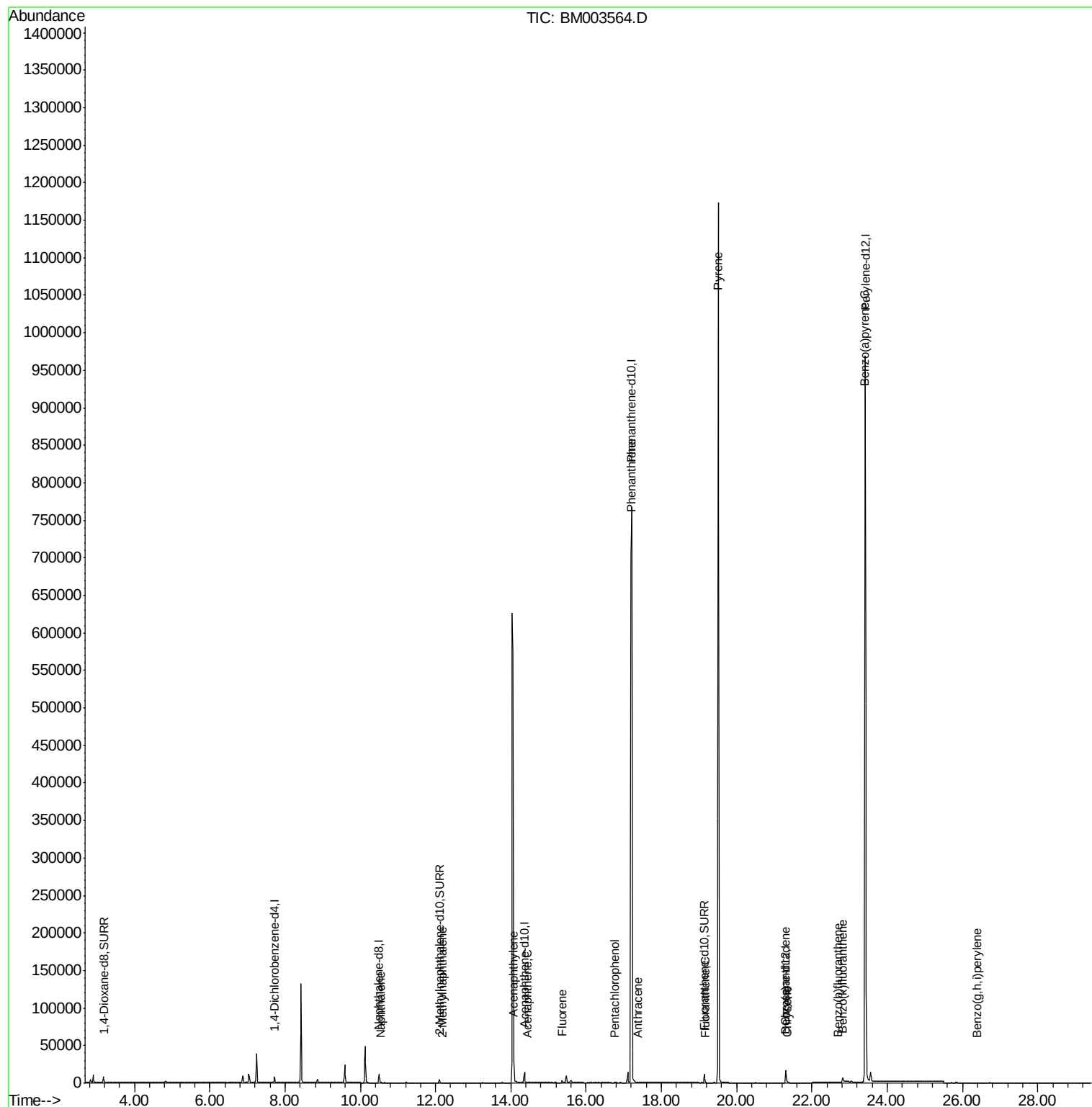
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	830	0.02	ng/ul#	74
7) 2-Methylnaphthalene	12.17	142	119	0.00	ng/ul	99
9) Acenaphthylene	14.07	152	147	0.00	ng/ul#	1
10) Acenaphthene	14.43	153	166	0.01	ng/ul#	62
11) Fluorene	15.36	166	2482	0.08	ng/ul#	21
13) Pentachlorophenol	16.76	266	507	0.00	ng/ul	95
14) Phenanthrene	17.19	178	839	0.00	ng/ul#	1
15) Anthracene	17.38	178	63	0.00	ng/ul#	1
17) Fluoranthene	19.17	202	397	0.00	ng/ul#	36
19) Pyrene	19.51	202	2436	0.05	ng/ul#	1
20) Benzo(a)anthracene	21.29	228	466	0.01	ng/ul#	58
21) Chrysene	21.35	228	1868	0.04	ng/ul#	89
23) Benzo(b)fluoranthene	22.70	252	35	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.82	252	36	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.41	252	5083	0.00	ng/ul#	66
28) Benzo(g,h,i)perylene	26.38	276	4	0.00	ng/ul#	1

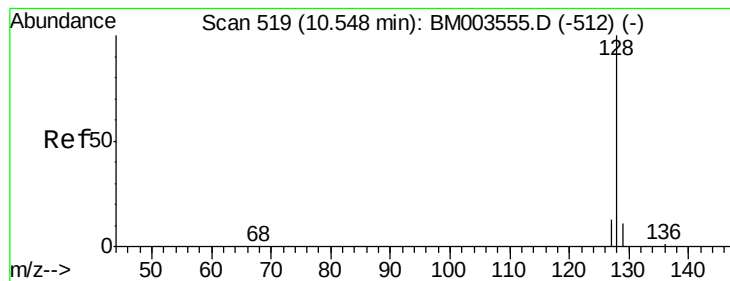
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003564.D

Acq: 16 Dec 2015 00:31

Instrument :

BNA_M

ClientSampleId :

A4KX4

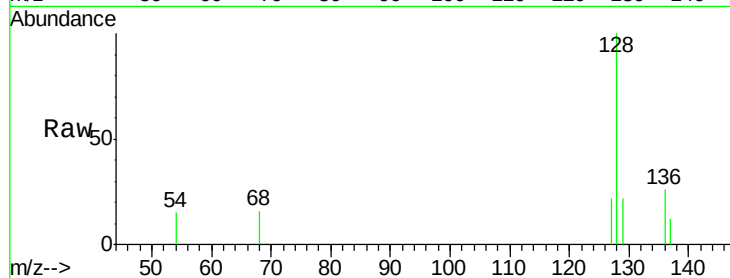
Tgt Ion:128 Resp: 830

Ion Ratio Lower Upper

128 100

129 21.9 9.0 13.6#

127 21.5 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

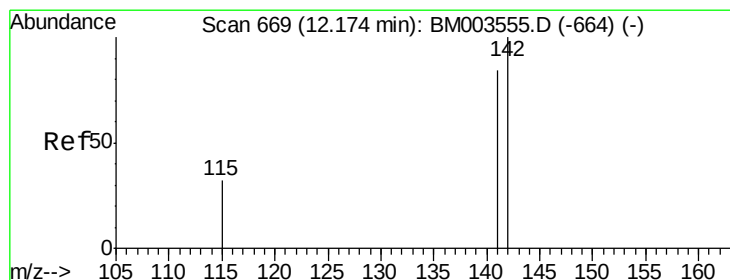
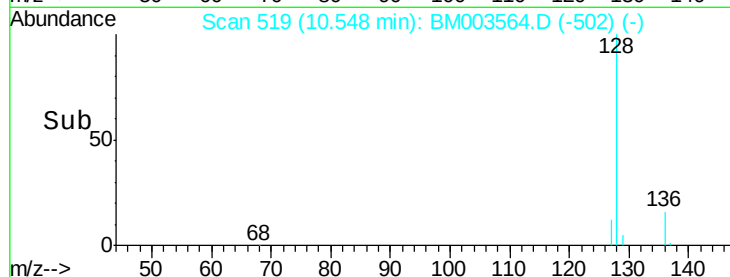
10.55

400

200

0

Time-->



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM003564.D

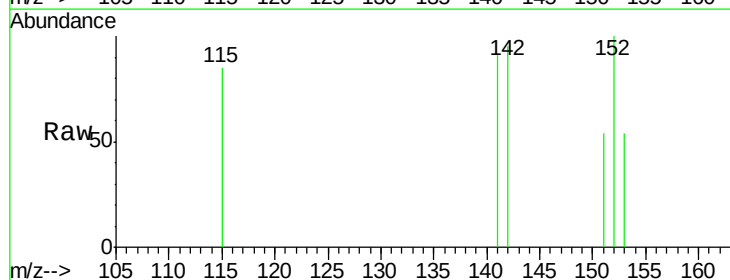
Acq: 16 Dec 2015 00:31

Tgt Ion:142 Resp: 119

Ion Ratio Lower Upper

142 100

141 89.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

120

100

80

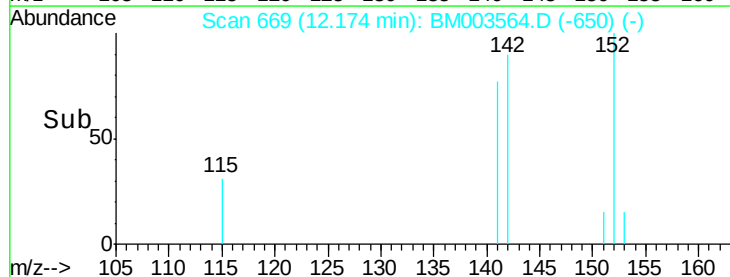
60

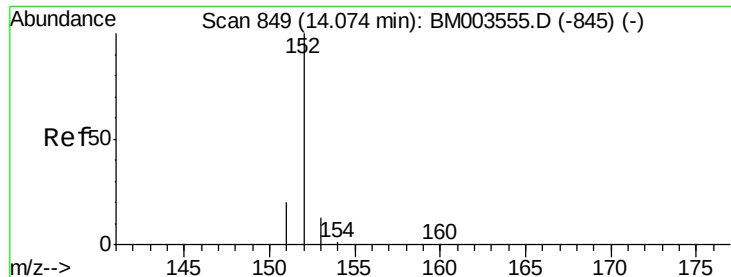
40

20

0

Time-->





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003564.D

Acq: 16 Dec 2015 00:31

Instrument :

BNA_M

ClientSampleId :

A4KX4

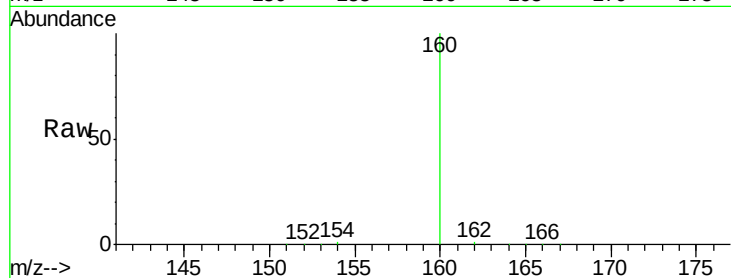
Tgt Ion:152 Resp: 147

Ion Ratio Lower Upper

152 100

151 71.0 17.6 26.4#

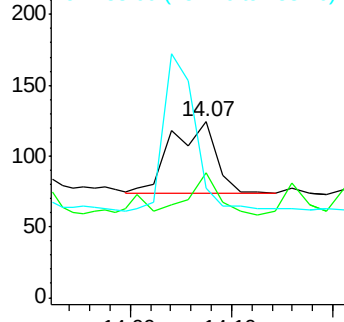
153 62.1 9.7 14.5#



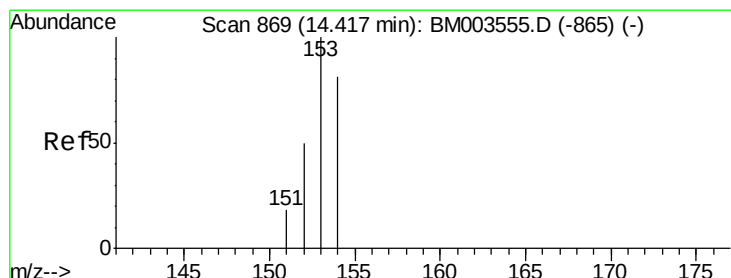
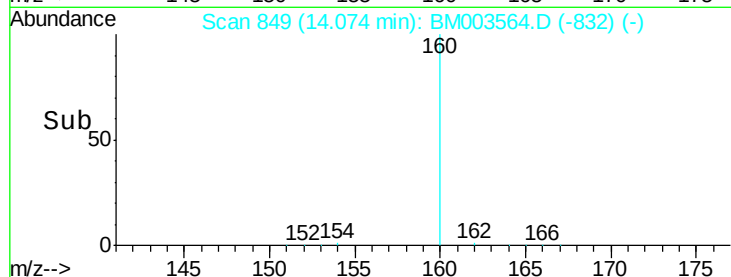
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.43 min Scan# 870

Delta R.T. 0.02 min

Lab File: BM003564.D

Acq: 16 Dec 2015 00:31

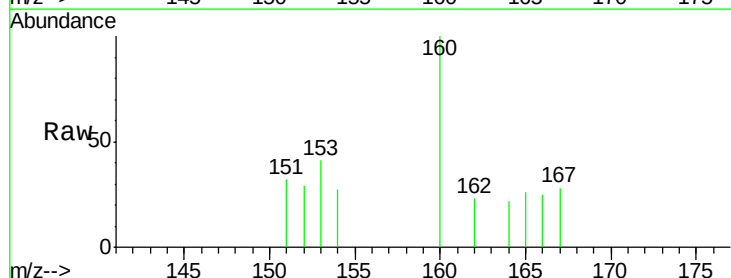
Tgt Ion:153 Resp: 166

Ion Ratio Lower Upper

153 100

152 71.7 33.9 50.9#

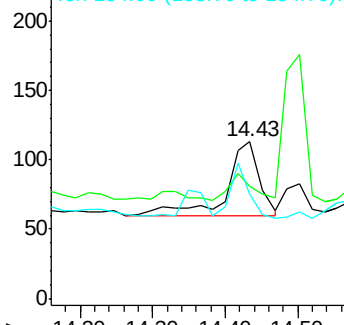
154 66.4 80.6 121.0#



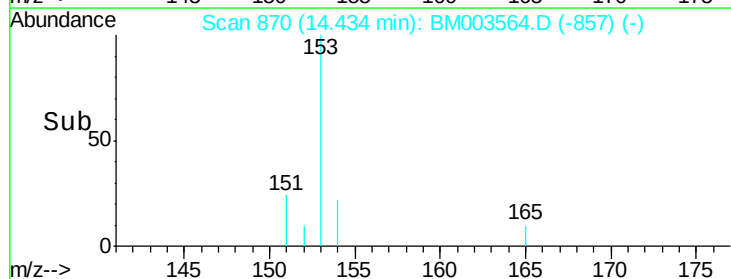
Abundance Ion 153.00 (152.70 to 153.70): E

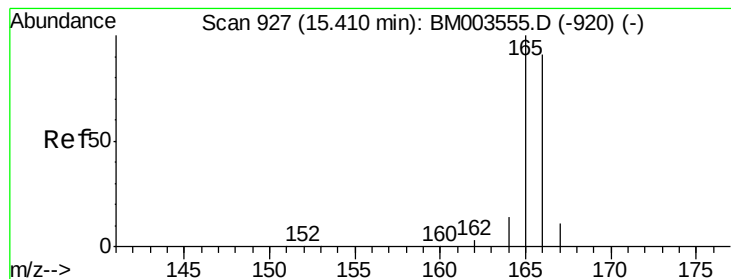
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->





#11

Fluorene

Concen: 0.08 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.05 min

Lab File: BM003564.D

Acq: 16 Dec 2015 00:31

Instrument :

BNA_M

ClientSampleId :

A4KX4

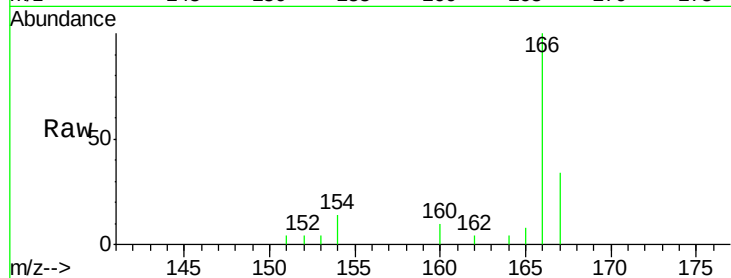
Tgt Ion:166 Resp: 2482

Ion Ratio Lower Upper

166 100

165 8.1 69.6 104.4#

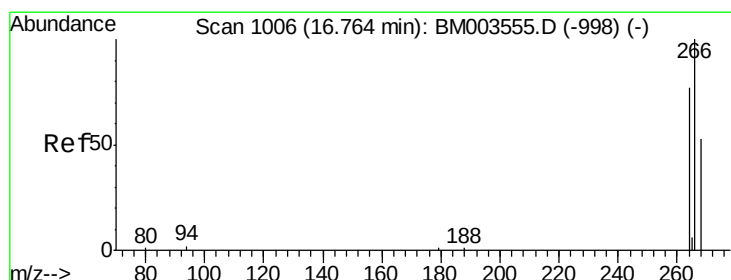
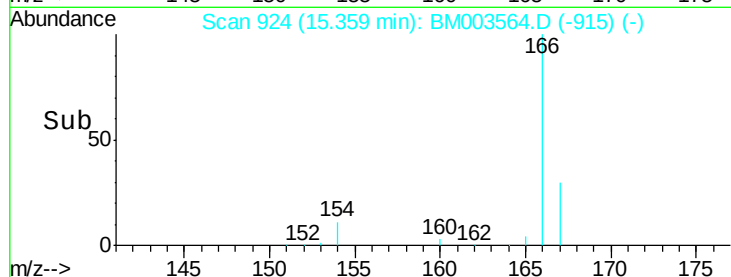
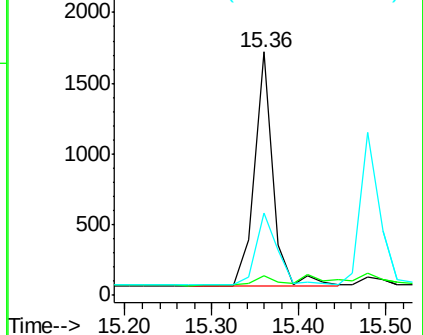
167 33.7 11.9 17.9#



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: 0.00 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BM003564.D

Acq: 16 Dec 2015 00:31

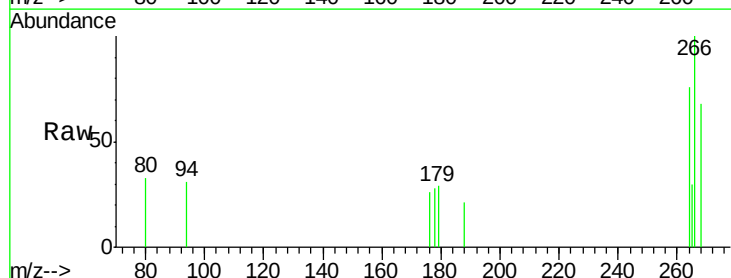
Tgt Ion:266 Resp: 507

Ion Ratio Lower Upper

266 100

264 62.3 51.8 77.8

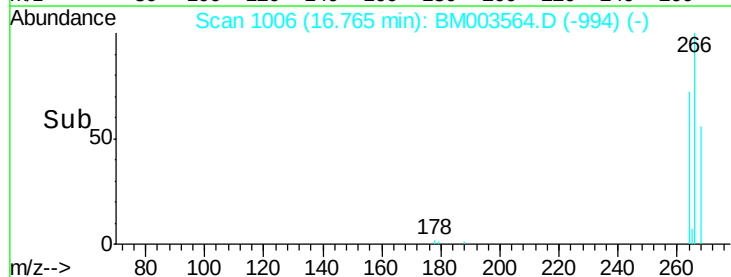
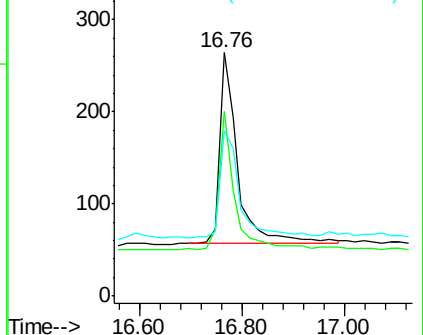
268 63.9 46.8 70.2

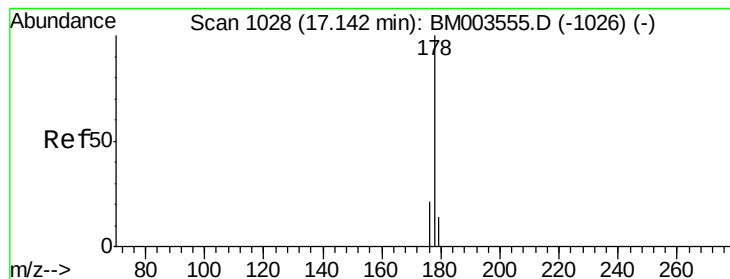


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. 0.05 min

Lab File: BM003564.D

Acq: 16 Dec 2015 00:31

Instrument :

BNA_M

ClientSampleId :

A4KX4

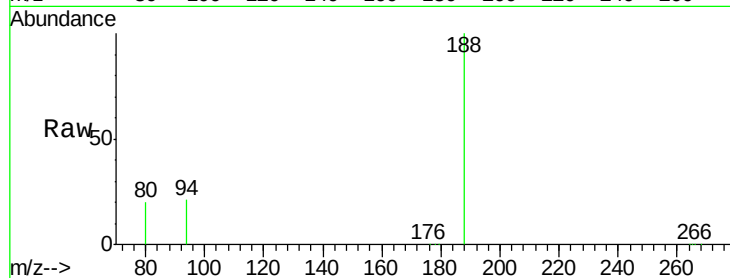
Tgt Ion:178 Resp: 839

Ion Ratio Lower Upper

178 100

176 22.0 13.0 19.4#

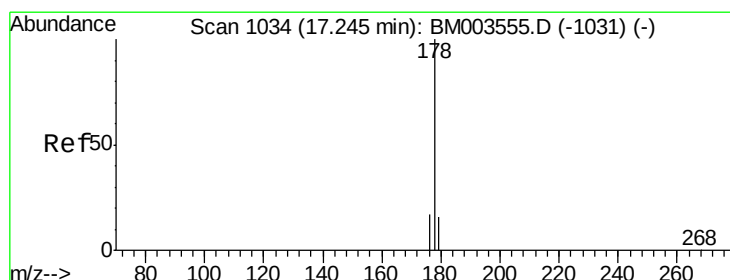
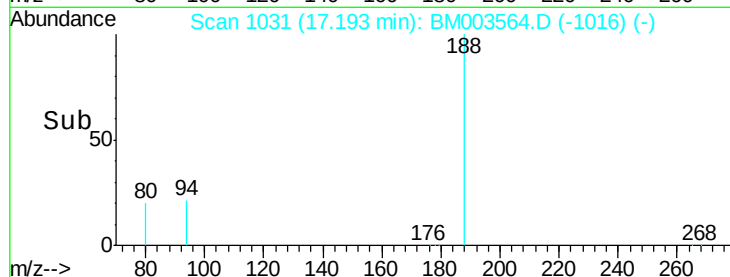
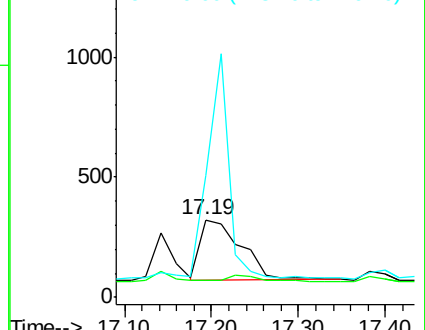
179 157.3 14.2 21.2#



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: 17.38 min Scan# 1042

Delta R.T. 0.14 min

Lab File: BM003564.D

Acq: 16 Dec 2015 00:31

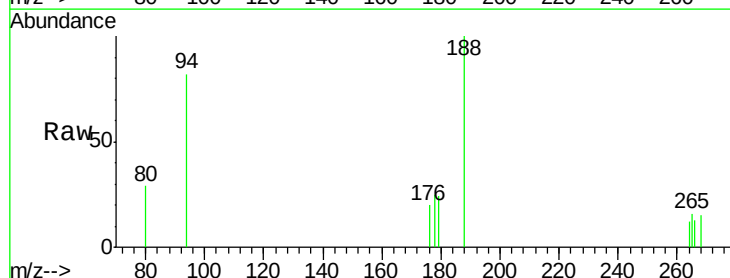
Tgt Ion:178 Resp: 63

Ion Ratio Lower Upper

178 100

176 81.3 14.0 21.0#

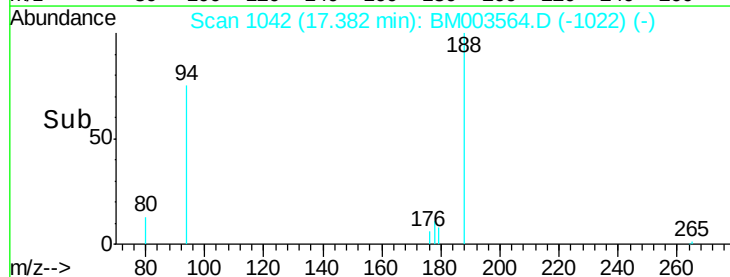
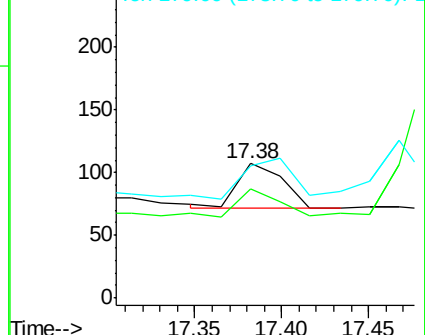
179 98.1 12.9 19.3#

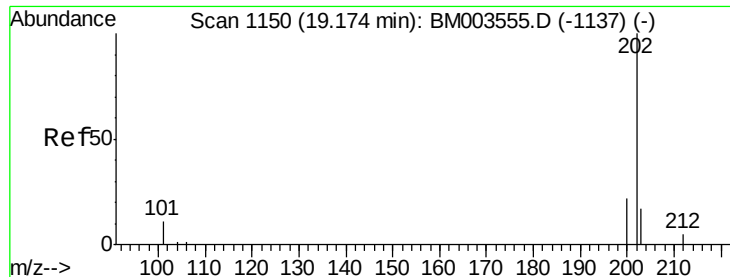


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

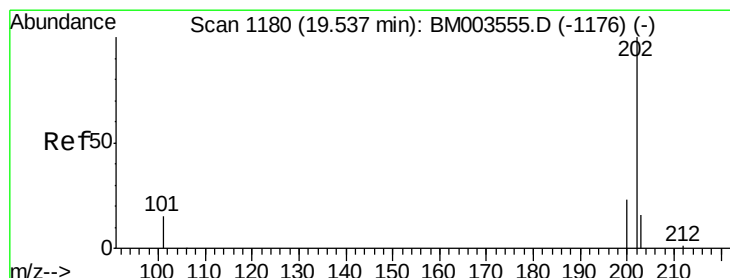
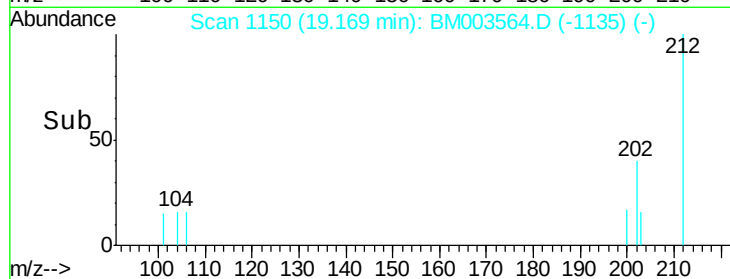
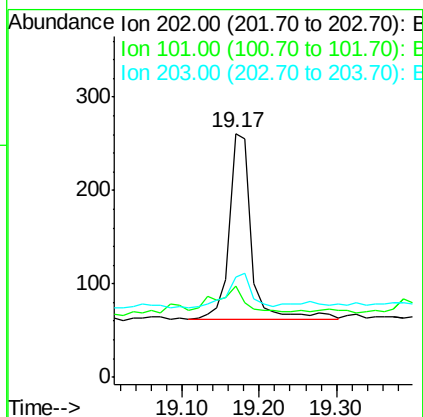
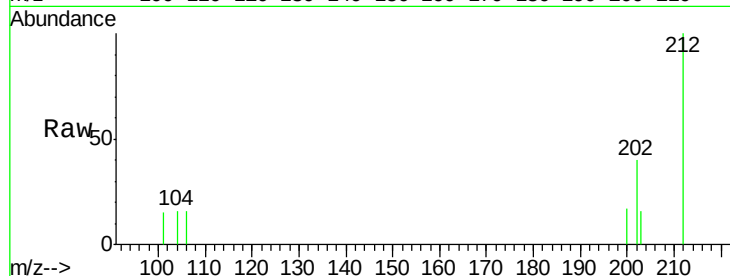




#17
 Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.17 min Scan# 1150
 Delta R.T. -0.00 min
 Lab File: BM003564.D
 Acq: 16 Dec 2015 00:31

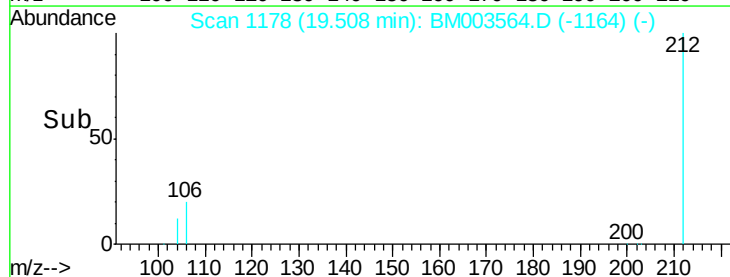
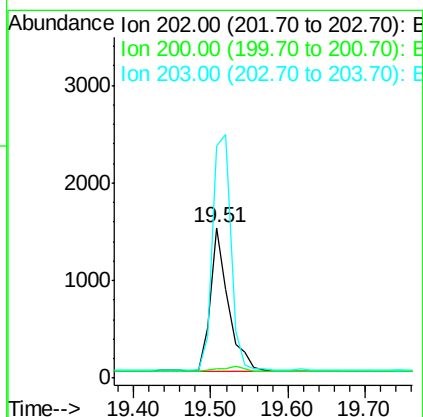
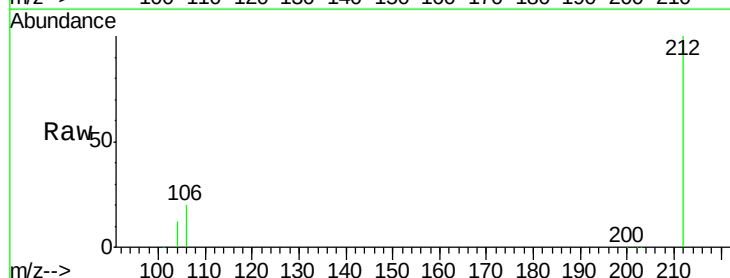
Instrument :
 BNA_M
 ClientSampleId :
 A4KX4

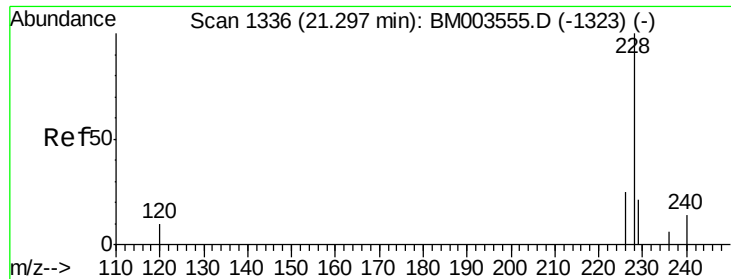
Tgt Ion: 202 Resp: 397
 Ion Ratio Lower Upper
 202 100
 101 37.2 0.0 29.6#
 203 41.0 0.0 36.3#



#19
 Pyrene
 Concen: 0.05 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. -0.03 min
 Lab File: BM003564.D
 Acq: 16 Dec 2015 00:31

Tgt Ion: 202 Resp: 2436
 Ion Ratio Lower Upper
 202 100
 200 6.6 17.8 26.8#
 203 154.1 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BM003564.D

Acq: 16 Dec 2015 00:31

Instrument :

BNA_M

ClientSampleId :

A4KX4

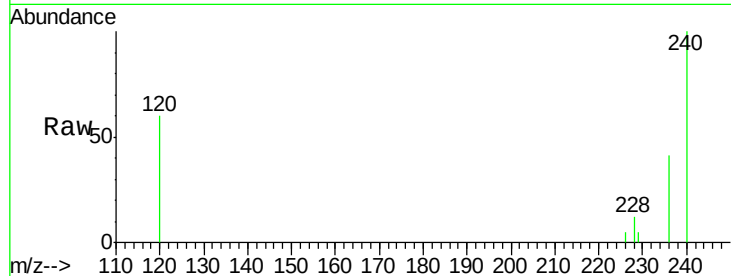
Tgt Ion:228 Resp: 466

Ion Ratio Lower Upper

228 100

226 42.8 18.8 28.2#

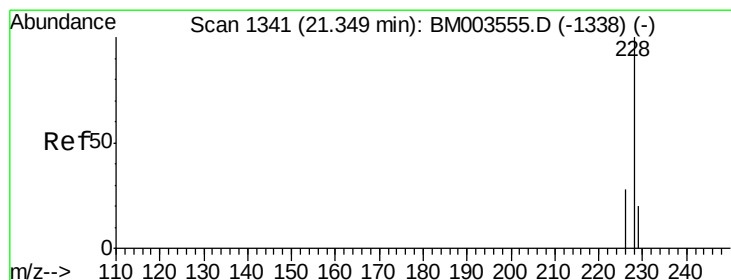
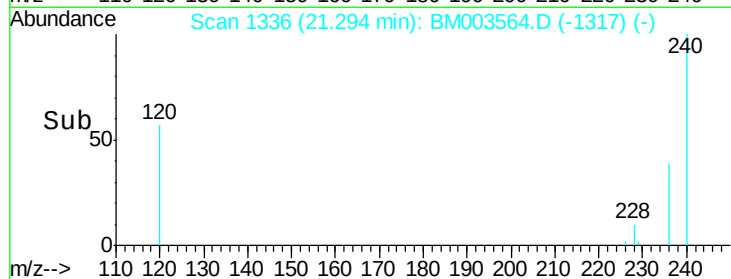
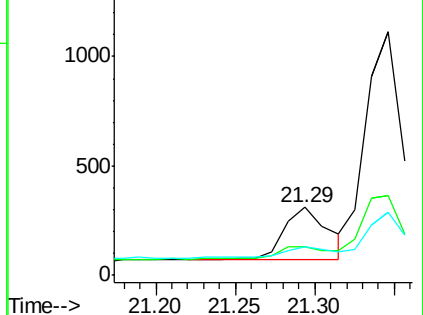
229 42.4 17.1 25.7#



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: BM003564.D

Acq: 16 Dec 2015 00:31

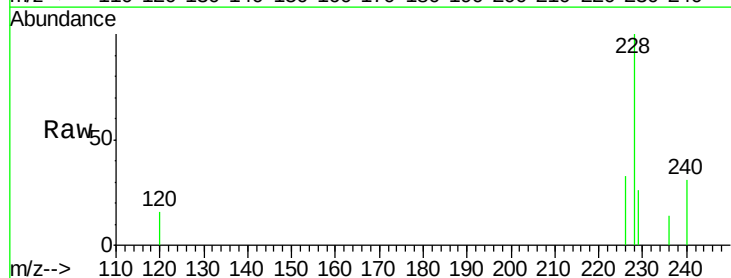
Tgt Ion:228 Resp: 1868

Ion Ratio Lower Upper

228 100

226 33.0 21.2 31.8#

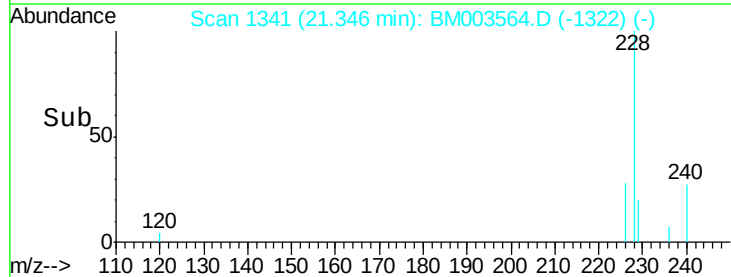
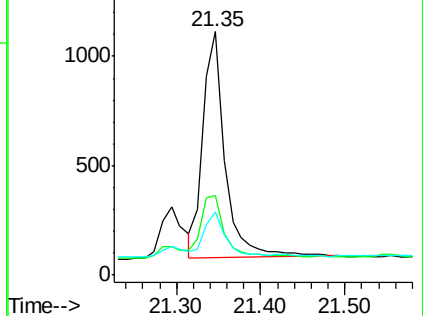
229 25.9 17.0 25.6#

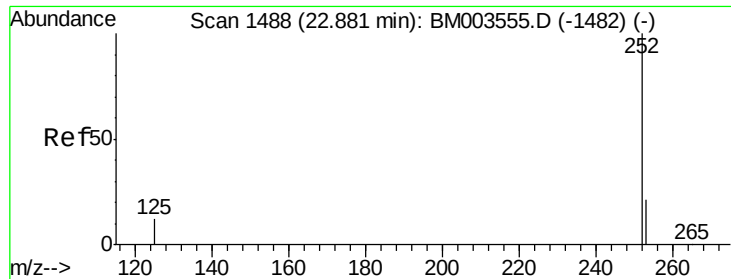


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.70 min Scan# 1471

Delta R.T. -0.18 min

Lab File: BM003564.D

Acq: 16 Dec 2015 00:31

Instrument :

BNA_M

ClientSampleId :

A4KX4

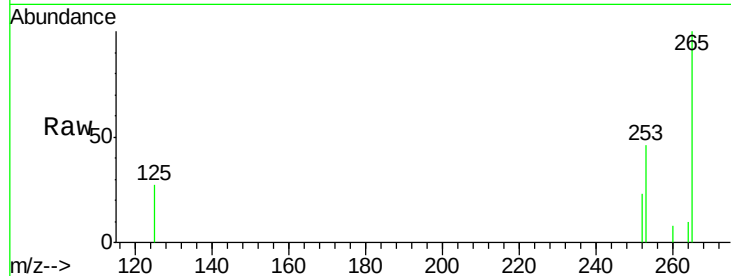
Tgt Ion: 252 Resp: 35

Ion Ratio Lower Upper

252 100

253 204.1 0.0 45.4#

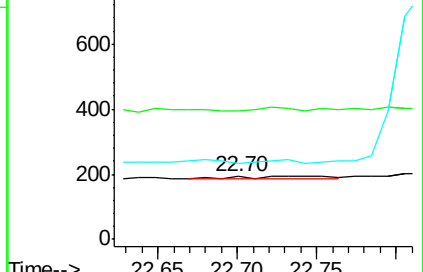
125 121.1 0.0 28.8#



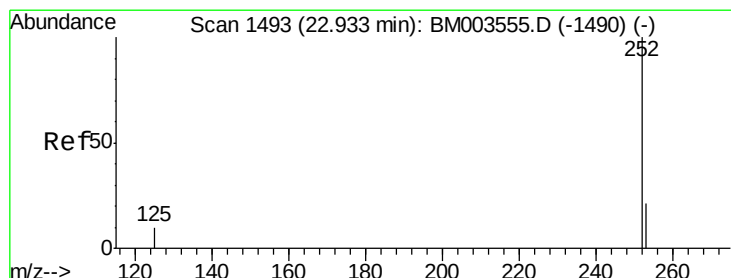
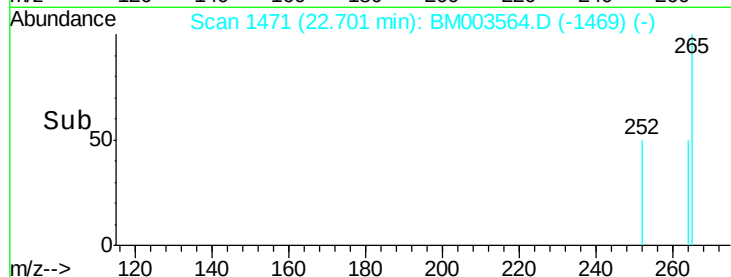
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.12 min

Lab File: BM003564.D

Acq: 16 Dec 2015 00:31

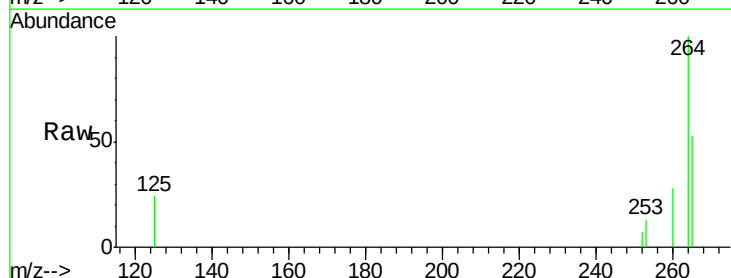
Tgt Ion: 252 Resp: 36

Ion Ratio Lower Upper

252 100

253 200.0 19.8 29.8#

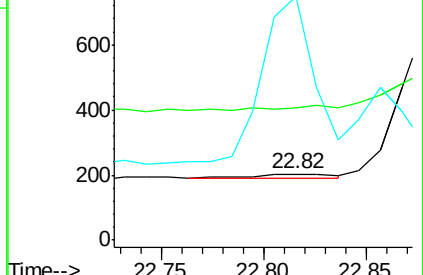
125 366.7 10.4 15.6#



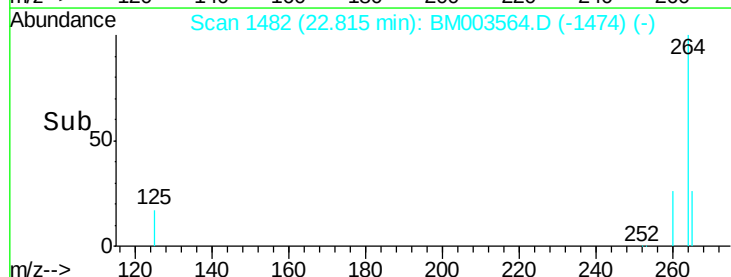
Abundance Ion 252.00 (251.70 to 252.70): E

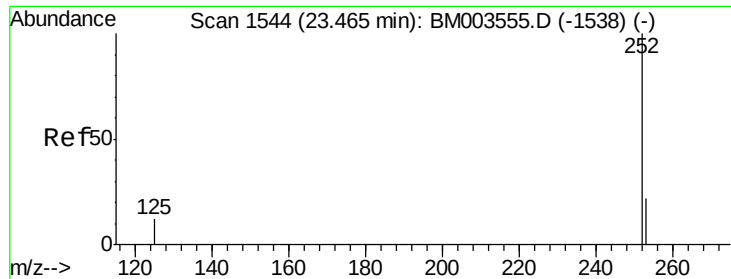
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.06 min

Lab File: BM003564.D

Acq: 16 Dec 2015 00:31

Instrument :

BNA_M

ClientSampleId :

A4KX4

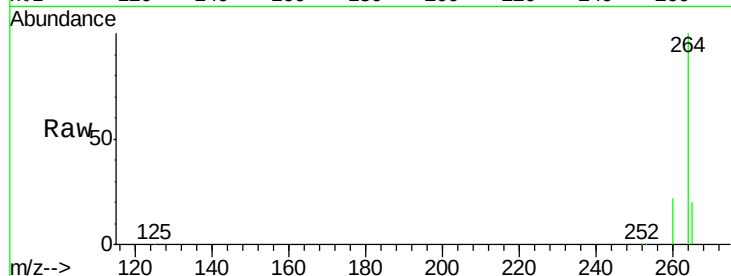
Tgt Ion:252 Resp: 5083

Ion Ratio Lower Upper

252 100

253 38.7 19.4 29.2#

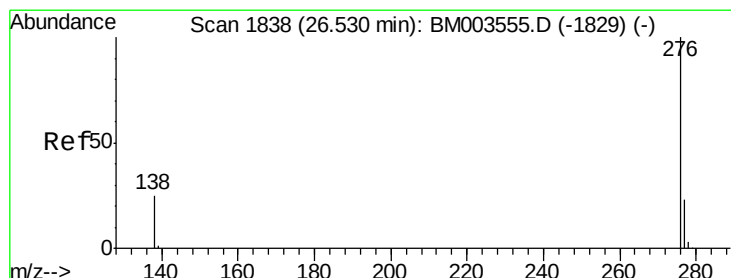
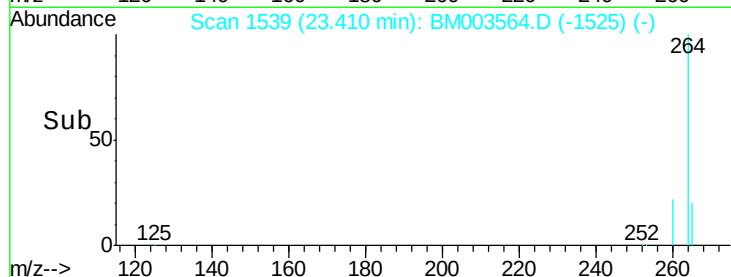
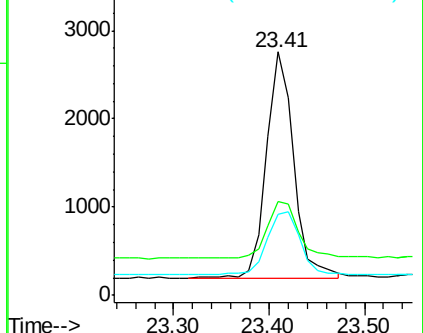
125 33.4 12.7 19.1#



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



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.38 min Scan# 1824

Delta R.T. -0.15 min

Lab File: BM003564.D

Acq: 16 Dec 2015 00:31

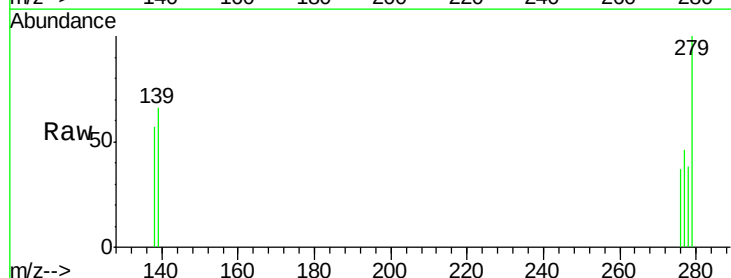
Tgt Ion:276 Resp: 4

Ion Ratio Lower Upper

276 100

277 124.2 18.9 28.3#

138 154.8 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

