

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121515\
 Data File : BM003566.D
 Acq On : 16 Dec 2015 01:43
 Operator : UM/IZ
 Sample : G4734-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4KX6

Quant Time: Dec 16 05:58:06 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	5018	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	19687	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	10562	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	1377590	0.40	ng/ul	0.10
18) Chrysene-d12	21.30	240	18499	0.40	ng/ul	-0.01
22) Perylene-d12	23.41	264	1186327	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.18	96	6287	2.93	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.10	152	7896	0.33	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	14152	0.00	ng/ul	0.00

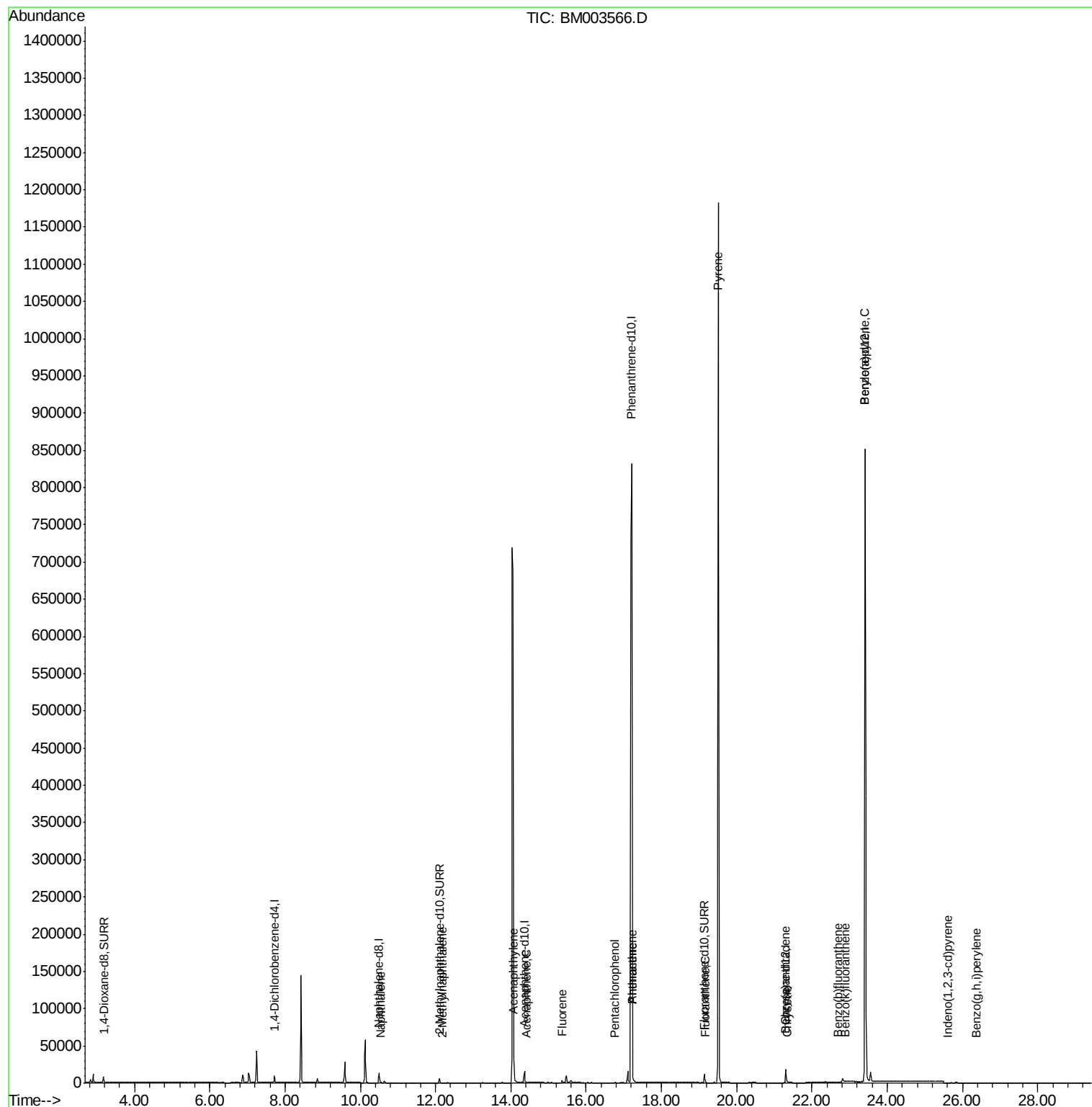
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	671	0.02	ng/ul#	68
7) 2-Methylnaphthalene	12.17	142	123	0.00	ng/ul	94
9) Acenaphthylene	14.07	152	180	0.00	ng/ul#	7
10) Acenaphthene	14.42	153	117	0.00	ng/ul#	78
11) Fluorene	15.36	166	2851	0.08	ng/ul#	20
13) Pentachlorophenol	16.76	266	204	0.00	ng/ul	94
14) Phenanthrene	17.23	178	2215	0.00	ng/ul#	68
15) Anthracene	17.23	178	2268	0.00	ng/ul#	67
17) Fluoranthene	19.17	202	1554	0.00	ng/ul	79
19) Pyrene	19.51	202	3521	0.07	ng/ul#	1
20) Benzo(a)anthracene	21.29	228	493	0.01	ng/ul#	53
21) Chrysene	21.35	228	1821	0.04	ng/ul#	86
23) Benzo(b)fluoranthene	22.69	252	28	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.88	252	985	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.41	252	4680	0.00	ng/ul#	64
26) Indeno(1,2,3-cd)pyrene	25.60	276	498	0.00	ng/ul#	53
28) Benzo(g,h,i)perylene	26.37	276	8	0.00	ng/ul#	1

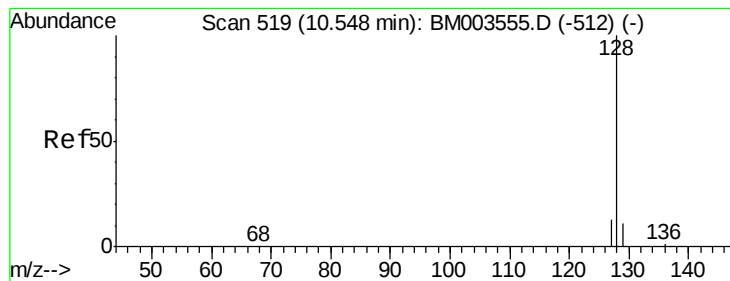
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM003566.D

Acq: 16 Dec 2015 01:43

Instrument :

BNA_M

ClientSampleId :

A4KX6

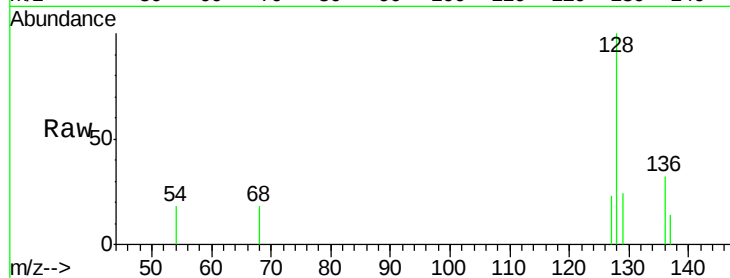
Tgt Ion:128 Resp: 671

Ion Ratio Lower Upper

128 100

129 24.4 9.0 13.6#

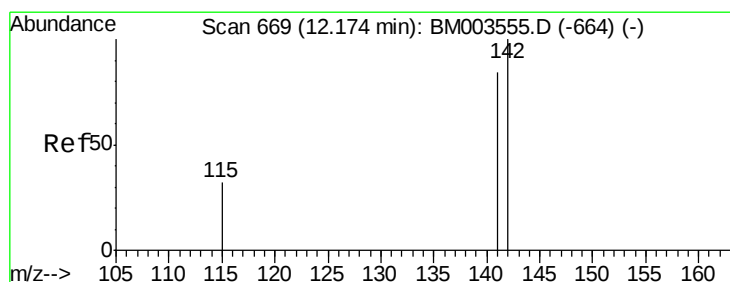
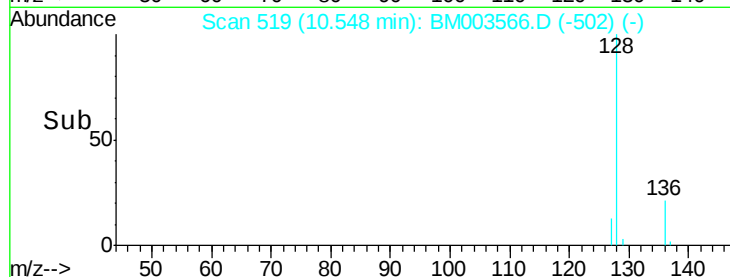
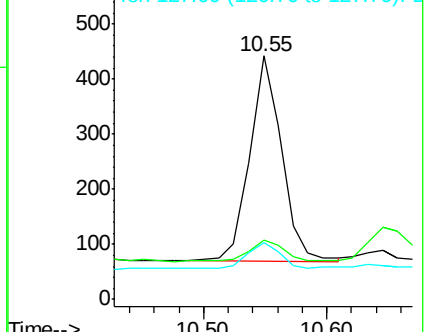
127 23.3 9.6 14.4#



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: 0.00 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM003566.D

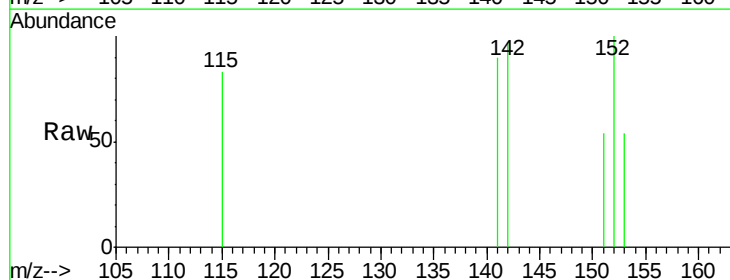
Acq: 16 Dec 2015 01:43

Tgt Ion:142 Resp: 123

Ion Ratio Lower Upper

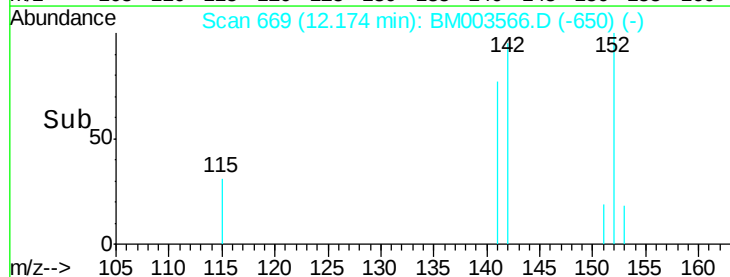
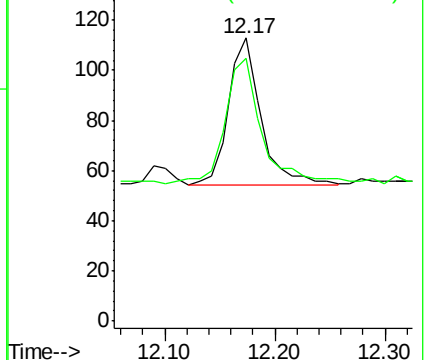
142 100

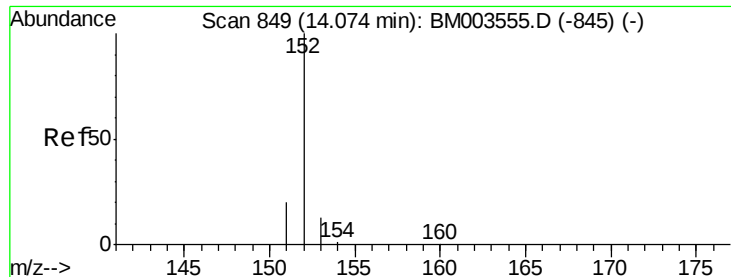
141 93.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003566.D

Acq: 16 Dec 2015 01:43

Instrument :

BNA_M

ClientSampleId :

A4KX6

Tgt Ion:152 Resp: 180

Ion Ratio Lower Upper

152 100

151 57.6 17.6 26.4#

153 61.0 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

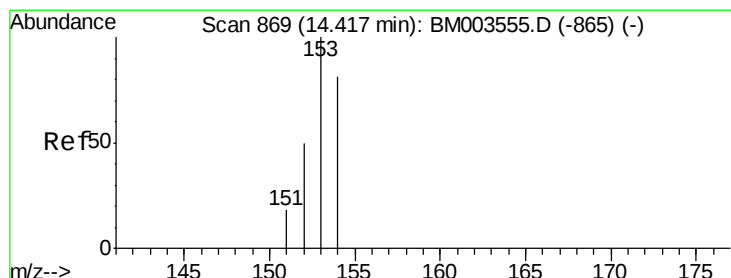
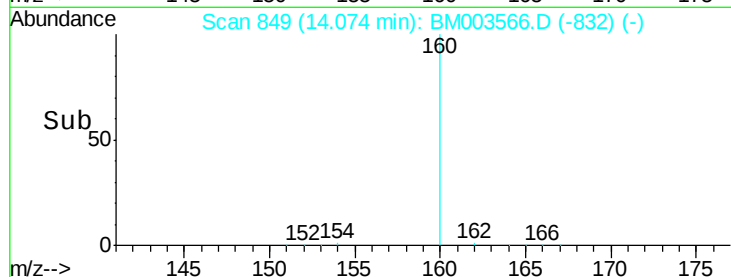
14.07

100

50

0

Time--> 13.90 14.00 14.10 14.20



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003566.D

Acq: 16 Dec 2015 01:43

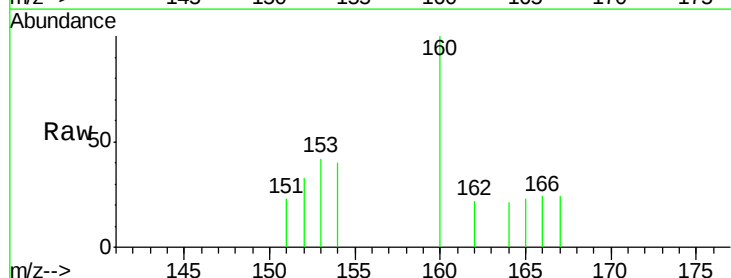
Tgt Ion:153 Resp: 117

Ion Ratio Lower Upper

153 100

152 78.5 33.9 50.9#

154 93.1 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

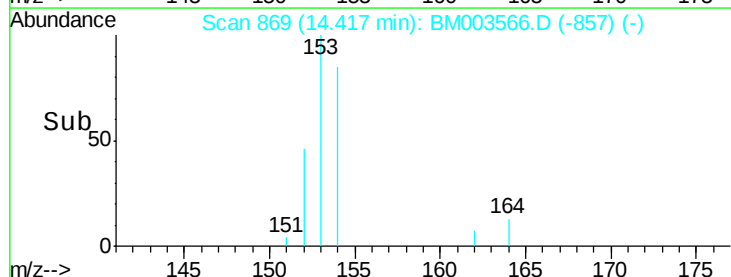
14.42

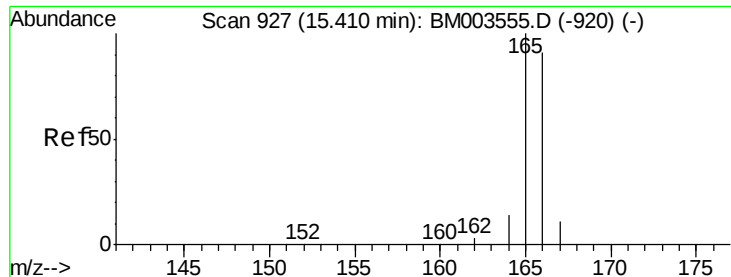
100

50

0

Time--> 14.35 14.40 14.45 14.50

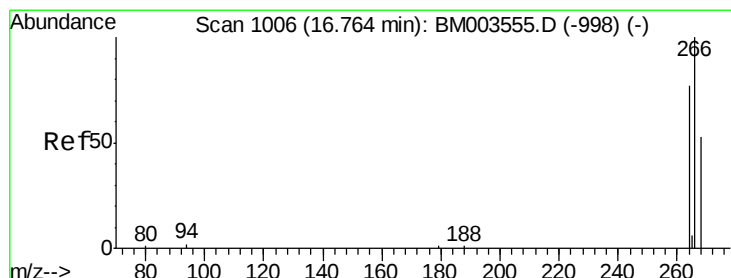
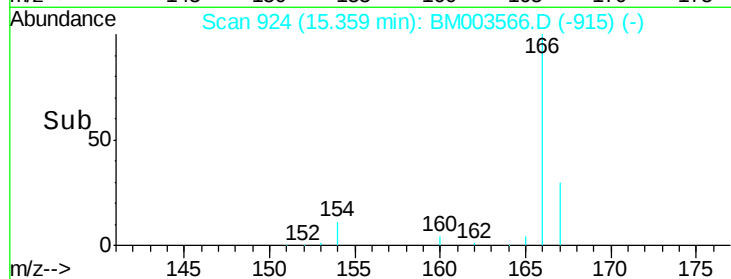
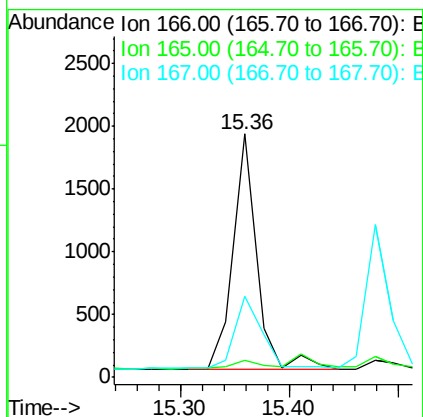
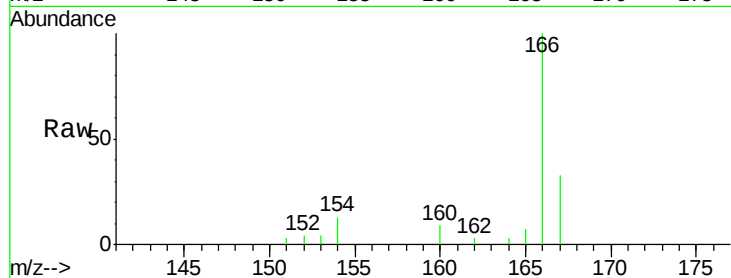




#11
 Fluorene
 Concen: 0.08 ng/ul
 RT: 15.36 min Scan# 924
 Delta R.T. -0.05 min
 Lab File: BM003566.D
 Acq: 16 Dec 2015 01:43

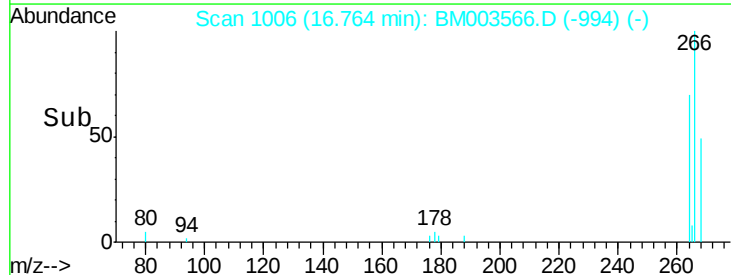
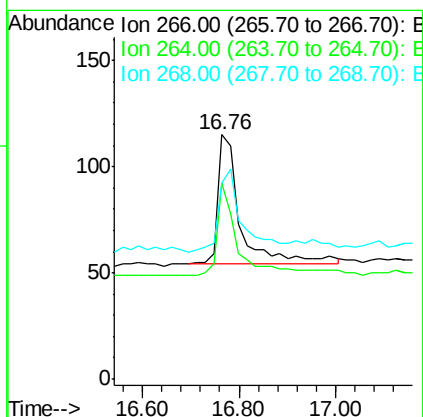
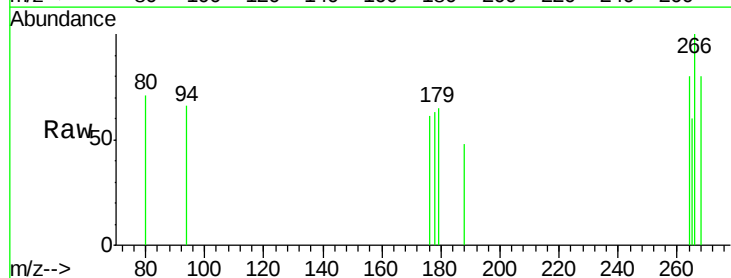
Instrument :
 BNA_M
 ClientSampleId :
 A4KX6

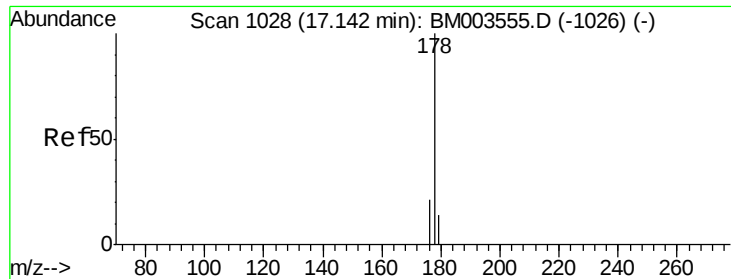
Tgt Ion:166 Resp: 2851
 Ion Ratio Lower Upper
 166 100
 165 7.2 69.6 104.4#
 167 33.2 11.9 17.9#



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BM003566.D
 Acq: 16 Dec 2015 01:43

Tgt Ion:266 Resp: 204
 Ion Ratio Lower Upper
 266 100
 264 62.3 51.8 77.8
 268 65.7 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.09 min

Lab File: BM003566.D

Acq: 16 Dec 2015 01:43

Instrument :

BNA_M

ClientSampleId :

A4KX6

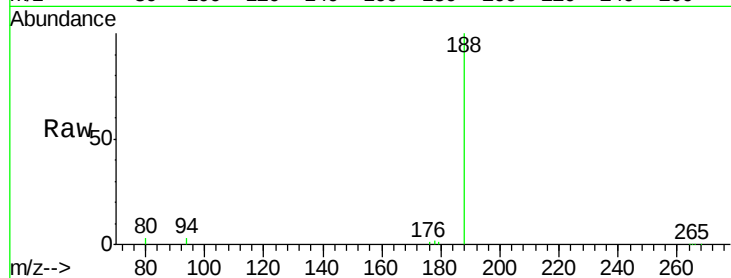
Tgt Ion:178 Resp: 2215

Ion Ratio Lower Upper

178 100

176 27.9 13.0 19.4#

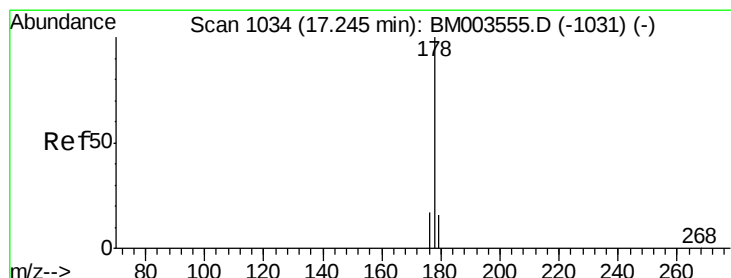
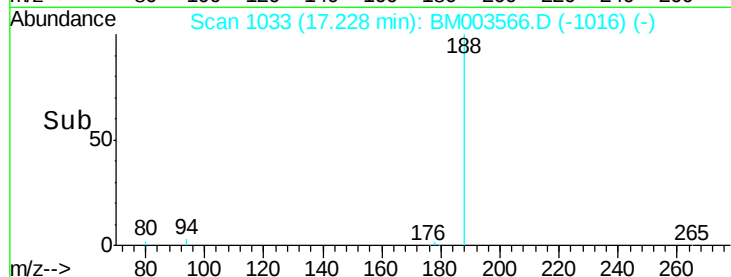
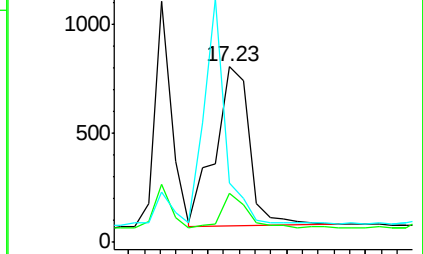
179 34.0 14.2 21.2#



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: 17.23 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM003566.D

Acq: 16 Dec 2015 01:43

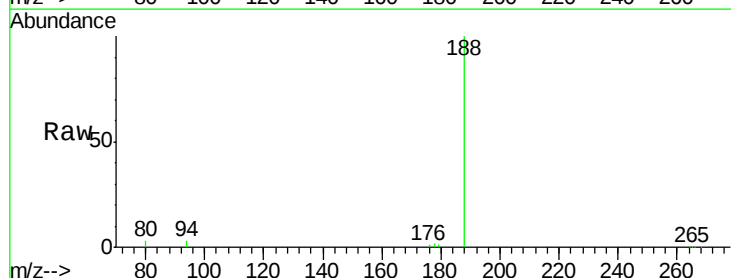
Tgt Ion:178 Resp: 2268

Ion Ratio Lower Upper

178 100

176 27.9 14.0 21.0#

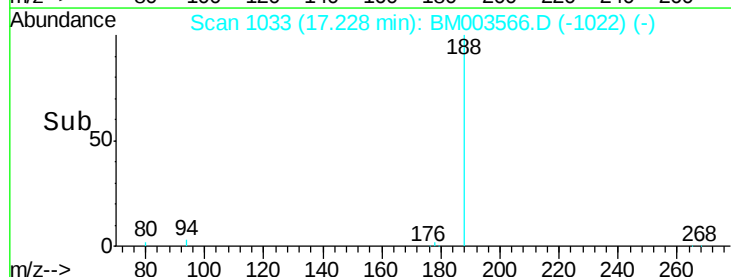
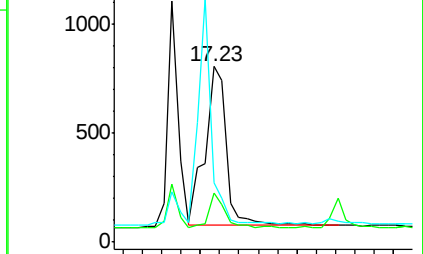
179 34.0 12.9 19.3#

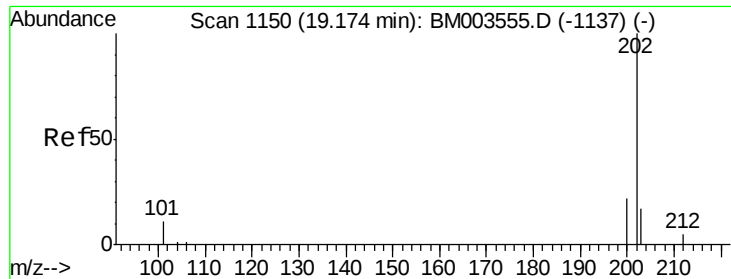


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

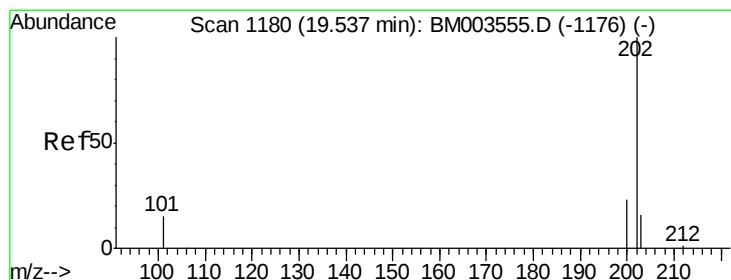
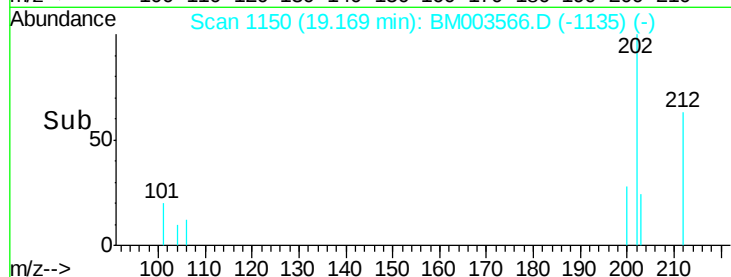
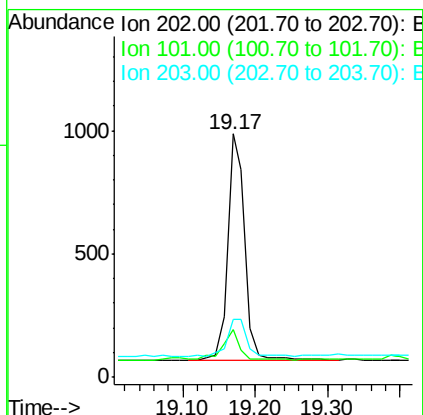
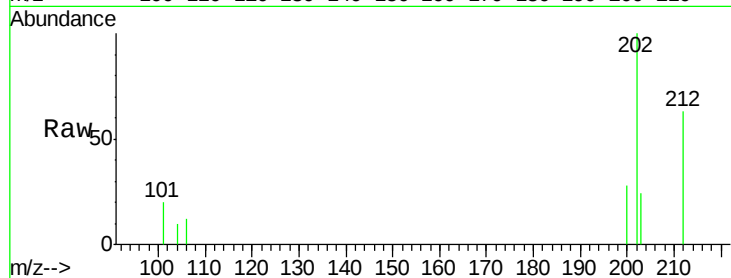




#17
 Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.17 min Scan# 1150
 Delta R.T. -0.00 min
 Lab File: BM003566.D
 Acq: 16 Dec 2015 01:43

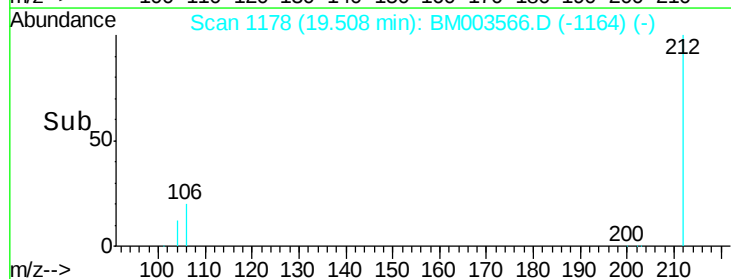
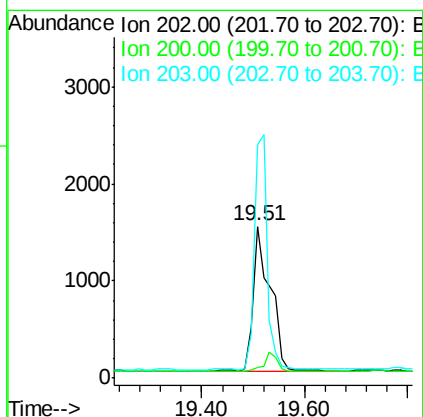
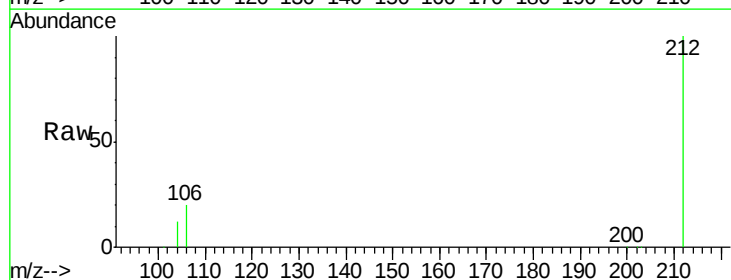
Instrument :
 BNA_M
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 A4KX6

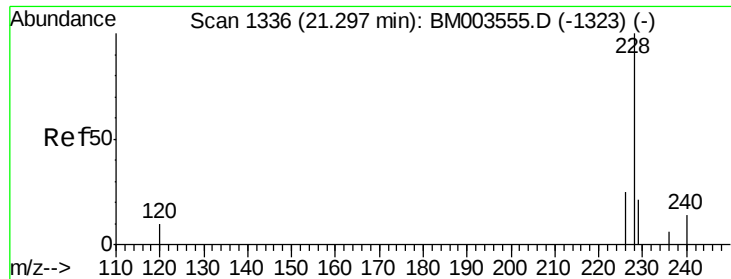
Tgt Ion: 202 Resp: 1554
 Ion Ratio Lower Upper
 202 100
 101 19.6 0.0 29.6
 203 23.6 0.0 36.3



#19
 Pyrene
 Concen: 0.07 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. -0.03 min
 Lab File: BM003566.D
 Acq: 16 Dec 2015 01:43

Tgt Ion: 202 Resp: 3521
 Ion Ratio Lower Upper
 202 100
 200 7.3 17.8 26.8#
 203 153.6 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: BM003566.D

Acq: 16 Dec 2015 01:43

Instrument :

BNA_M

ClientSampleId :

A4KX6

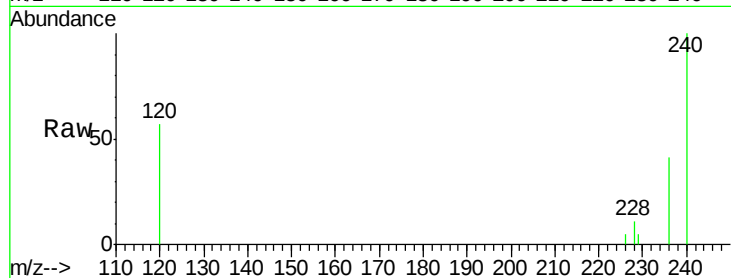
Tgt Ion:228 Resp: 493

Ion Ratio Lower Upper

228 100

226 43.6 18.8 28.2#

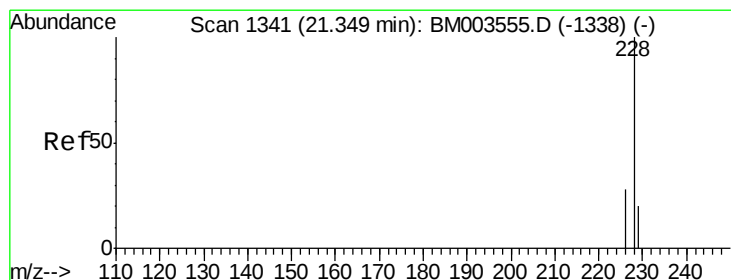
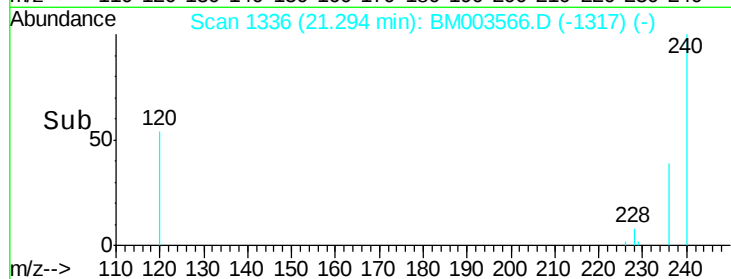
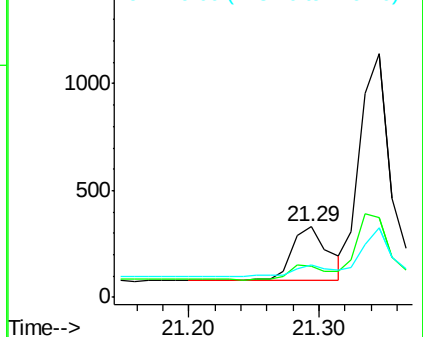
229 46.7 17.1 25.7#



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: 0.04 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM003566.D

Acq: 16 Dec 2015 01:43

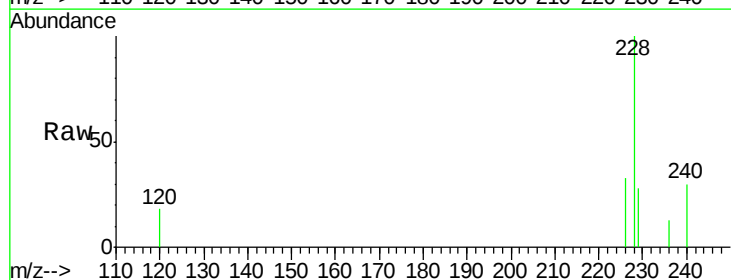
Tgt Ion:228 Resp: 1821

Ion Ratio Lower Upper

228 100

226 33.0 21.2 31.8#

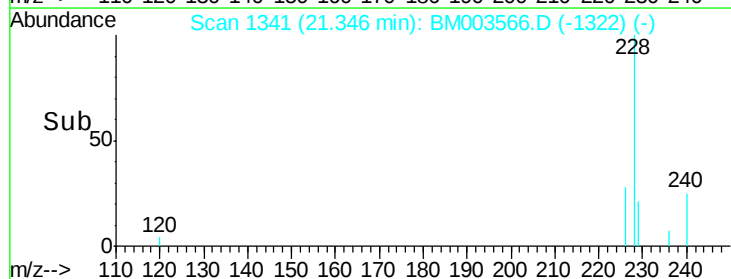
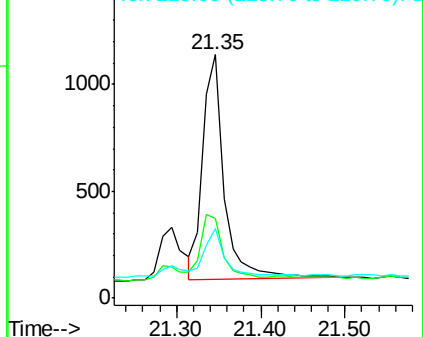
229 28.3 17.0 25.6#

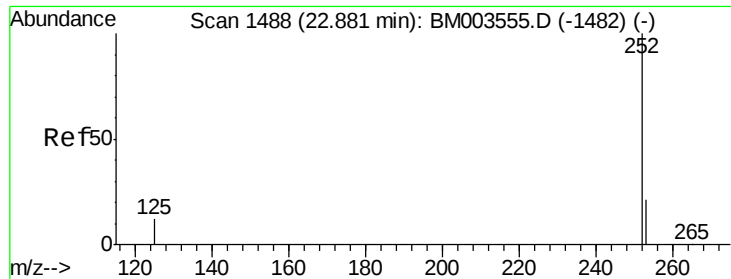


Abundance Ion 228.00 (227.70 to 228.70): E

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: 22.69 min Scan# 1470

Delta R.T. -0.19 min

Lab File: BM003566.D

Acq: 16 Dec 2015 01:43

Instrument :

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A4KX6

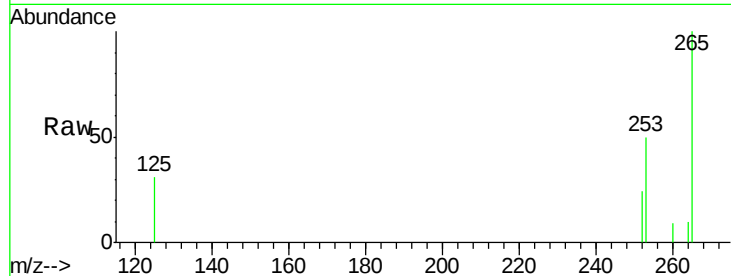
Tgt Ion:252 Resp: 28

Ion Ratio Lower Upper

252 100

253 204.5 0.0 45.4#

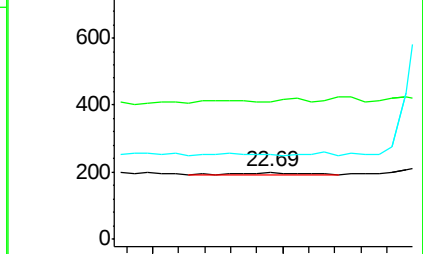
125 126.4 0.0 28.8#



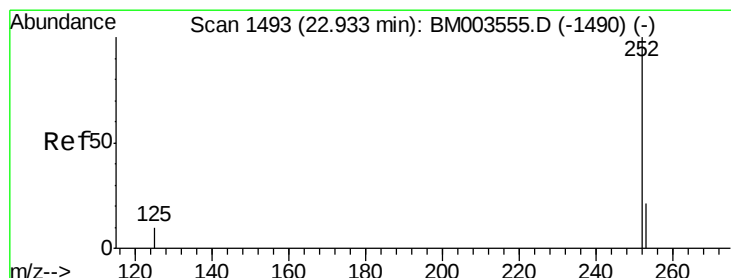
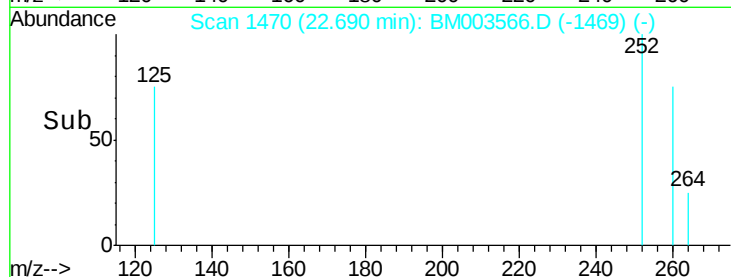
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.88 min Scan# 1488

Delta R.T. -0.06 min

Lab File: BM003566.D

Acq: 16 Dec 2015 01:43

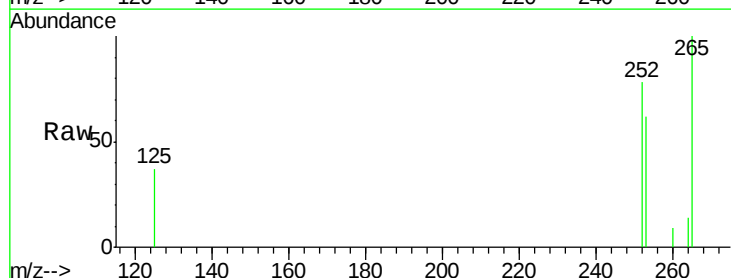
Tgt Ion:252 Resp: 985

Ion Ratio Lower Upper

252 100

253 79.5 19.8 29.8#

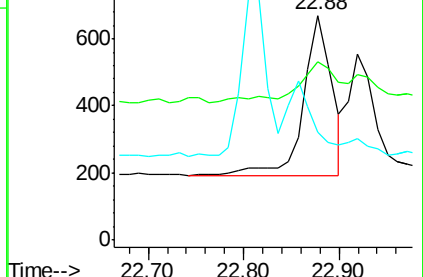
125 48.1 10.4 15.6#



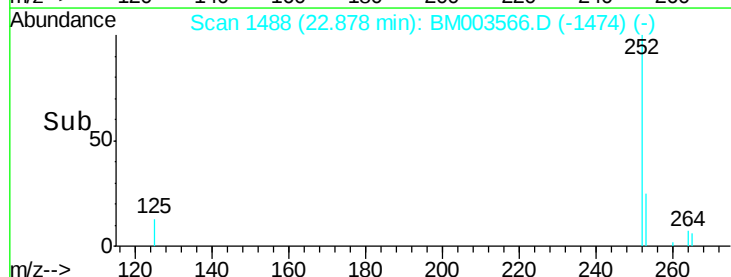
Abundance Ion 252.00 (251.70 to 252.70): E

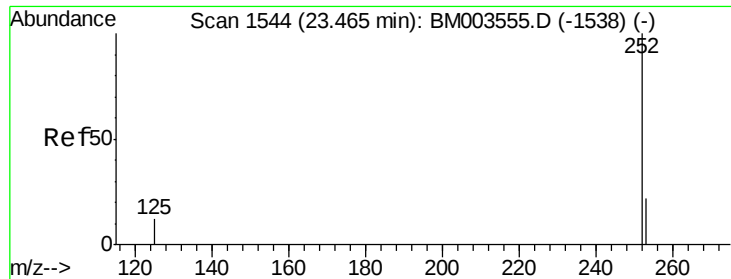
Ion 253.00 (252.70 to 253.70): E

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: BM003566.D

Acq: 16 Dec 2015 01:43

Instrument :

BNA_M

ClientSampleId :

A4KX6

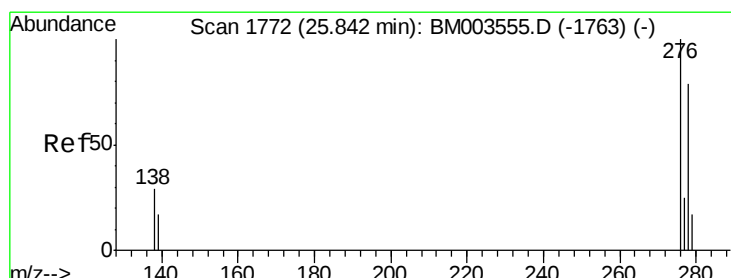
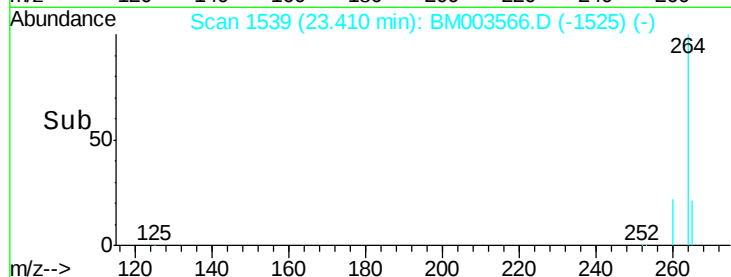
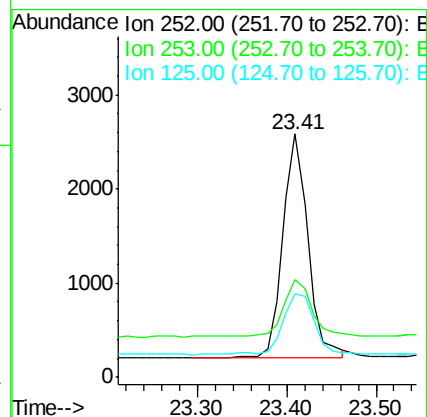
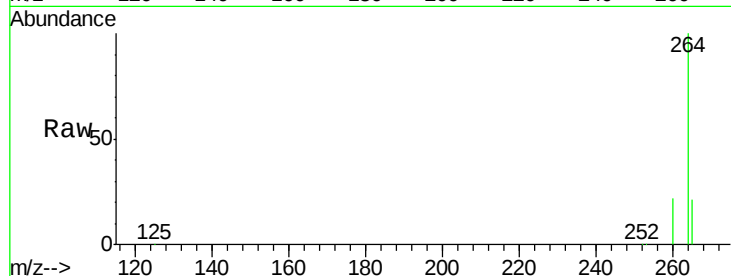
Tgt Ion: 252 Resp: 4680

Ion Ratio Lower Upper

252 100

253 40.1 19.4 29.2#

125 34.3 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.60 min Scan# 1749

Delta R.T. -0.24 min

Lab File: BM003566.D

Acq: 16 Dec 2015 01:43

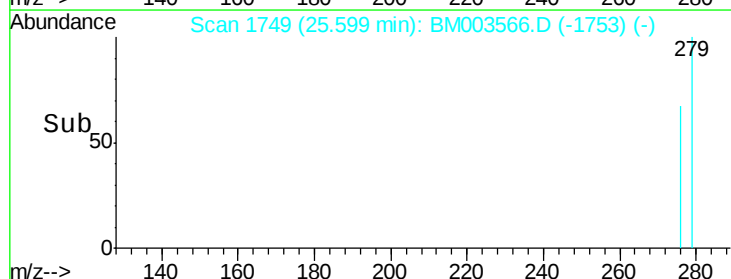
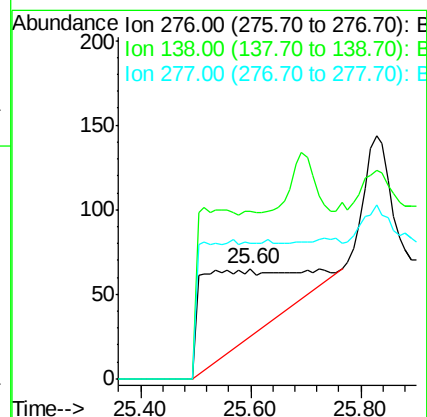
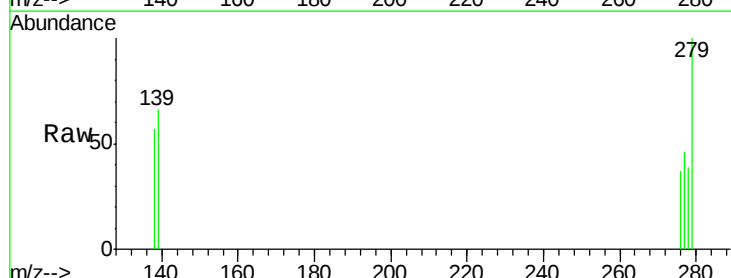
Tgt Ion: 276 Resp: 498

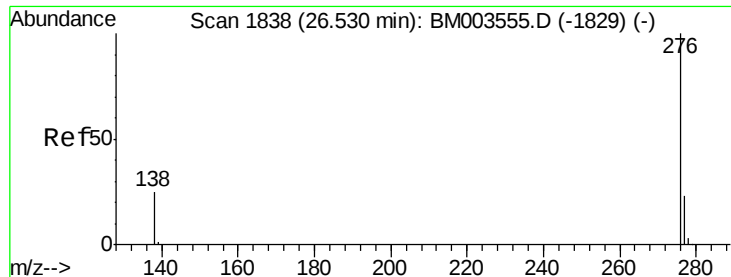
Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

277 0.0 19.8 29.8#





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.37 min Scan# 1823

Delta R.T. -0.16 min

Lab File: BM003566.D

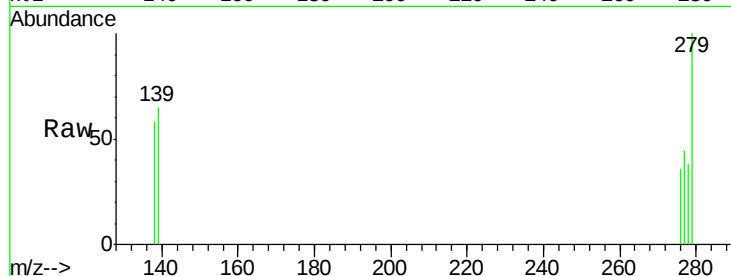
Acq: 16 Dec 2015 01:43

Instrument :

BNA_M

ClientSampleId :

A4KX6



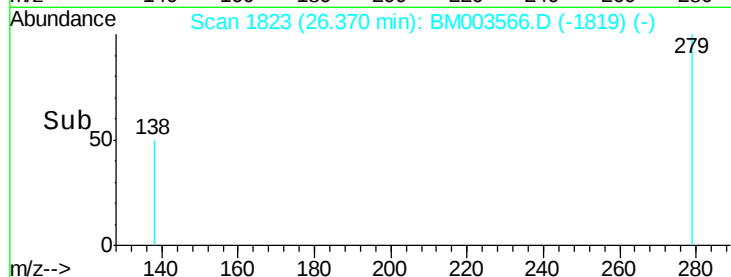
Tgt Ion: 276 Resp: 8

Ion Ratio Lower Upper

276 100

277 121.9 18.9 28.3#

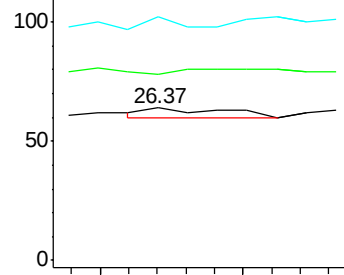
138 159.4 22.5 33.7#



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



Time-->