

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112115\
 Data File : BM003272.D
 Acq On : 22 Nov 2015 05:27
 Operator : UM/IZ
 Sample : G4345-16
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J61

Quant Time: Nov 22 06:06:44 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 04:42:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	11994	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	48833	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	31135	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	4285777	0.40	ng/ul	0.10
18) Chrysene-d12	21.32	240	67623	0.40	ng/ul	0.00
22) Perylene-d12	23.44	264	4638031	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	71965	5.62	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	23007	0.35	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	56380	0.01	ng/ul	0.00

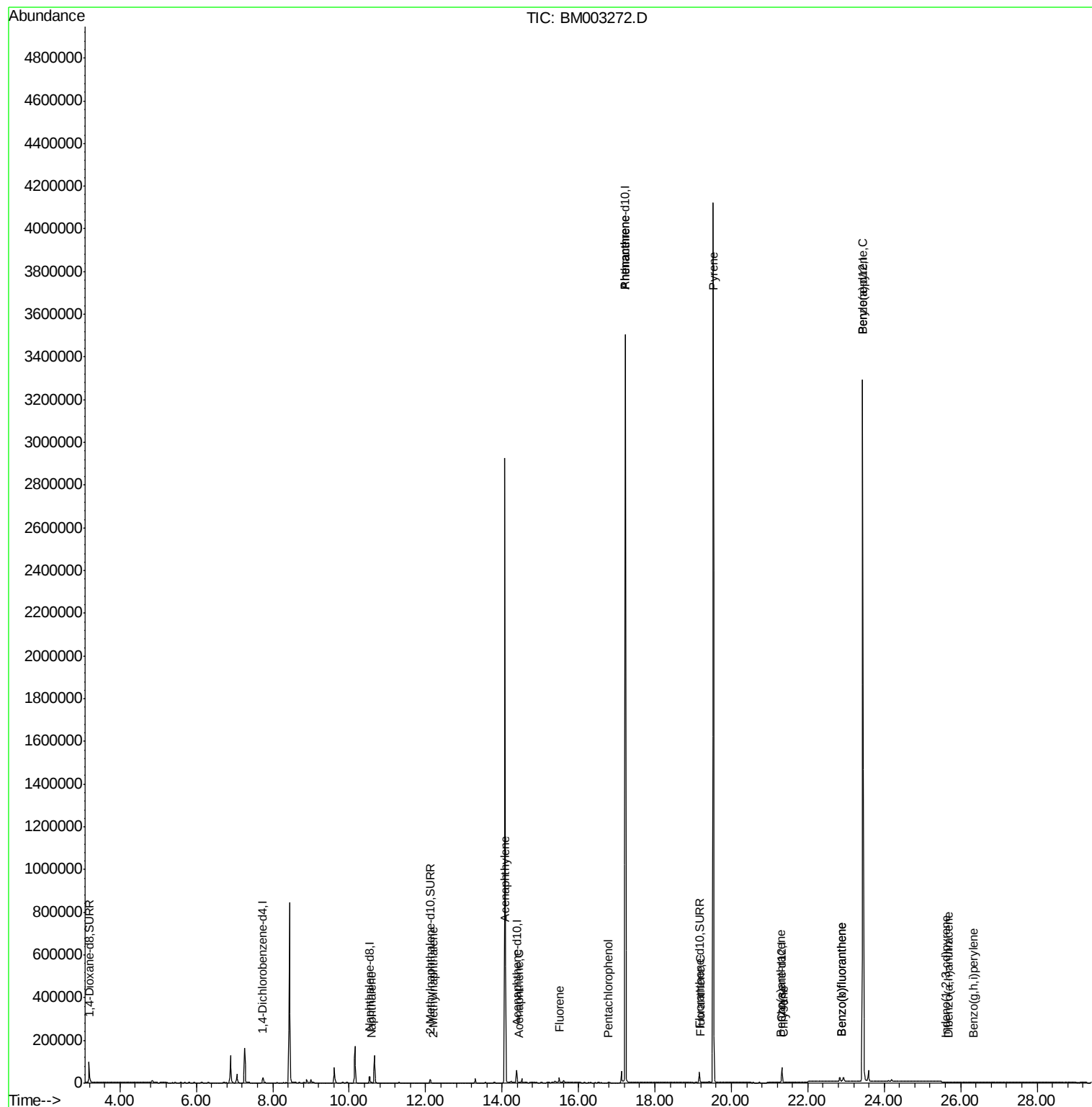
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.57	128	4464	0.04	ng/ul#	88
7) 2-Methylnaphthalene	12.19	142	317	0.00	ng/ul#	100
9) Acenaphthylene	14.09	152	1586	0.01	ng/ul#	44
10) Acenaphthene	14.43	153	467	0.00	ng/ul#	78
11) Fluorene	15.49	166	471	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	1104	0.00	ng/ul	97
14) Phenanthrene	17.23	178	2824	0.00	ng/ul#	1
15) Anthracene	17.23	178	2804	0.00	ng/ul#	1
17) Fluoranthene	19.19	202	7038	0.00	ng/ul	79
19) Pyrene	19.53	202	12389	0.05	ng/ul#	1
20) Benzo(a)anthracene	21.30	228	2665	0.01	ng/ul#	46
21) Chrysene	21.35	228	2266	0.01	ng/ul#	57
23) Benzo(b)fluoranthene	22.90	252	2983	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.90	252	5199	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.44	252	21069	0.00	ng/ul#	57
26) Indeno(1,2,3-cd)pyrene	25.62	276	227	0.00	ng/ul#	78
27) Dibenzo(a,h)anthracene	25.69	278	13	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.34	276	141	0.00	ng/ul#	1

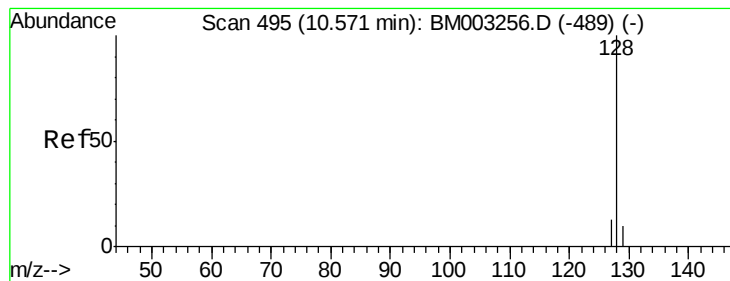
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.04 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. 0.00 min

Lab File: BM003272.D

Acq: 22 Nov 2015 05:27

Instrument :

BNA_M

ClientSampleId :

A4J61

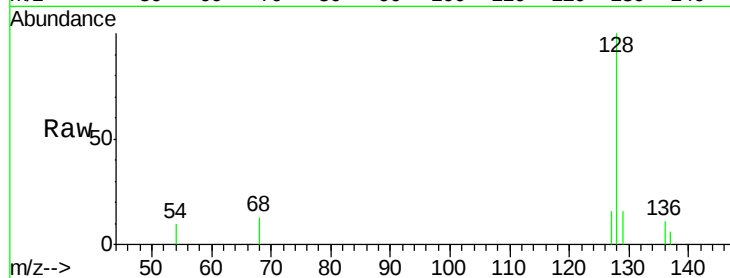
Tgt Ion:128 Resp: 4464

Ion Ratio Lower Upper

128 100

129 16.5 9.0 13.6#

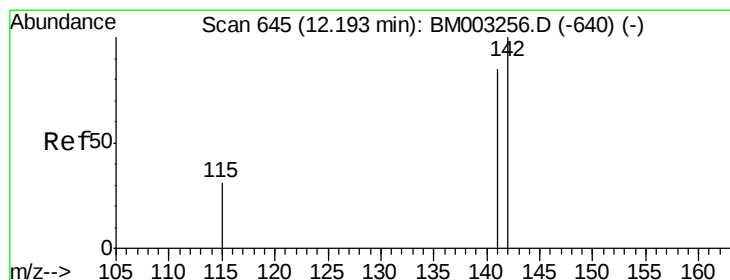
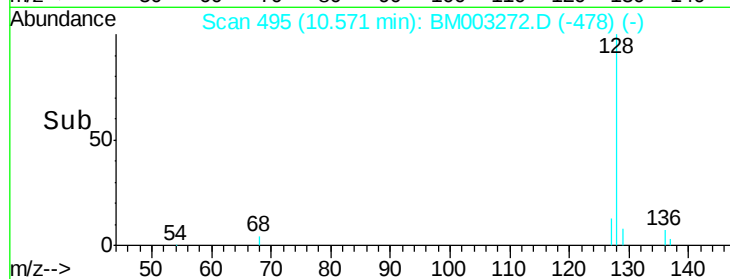
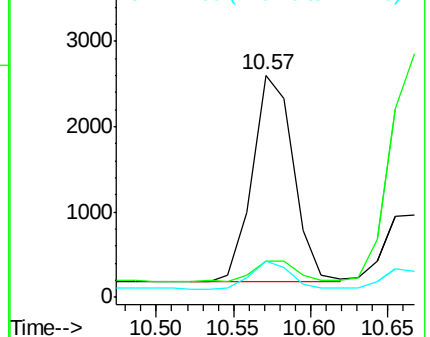
127 16.2 9.6 14.4#



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: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003272.D

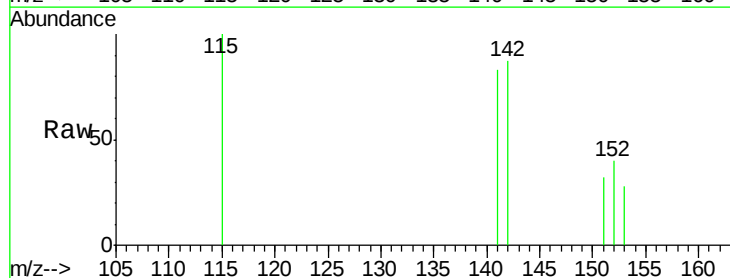
Acq: 22 Nov 2015 05:27

Tgt Ion:142 Resp: 317

Ion Ratio Lower Upper

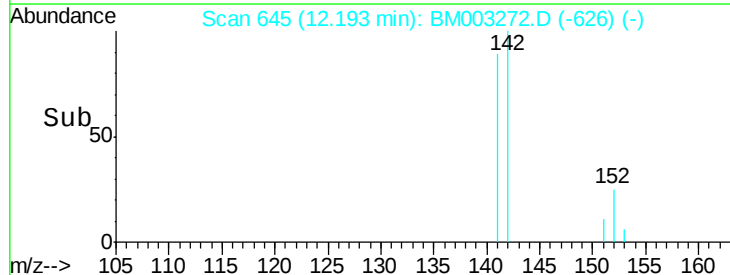
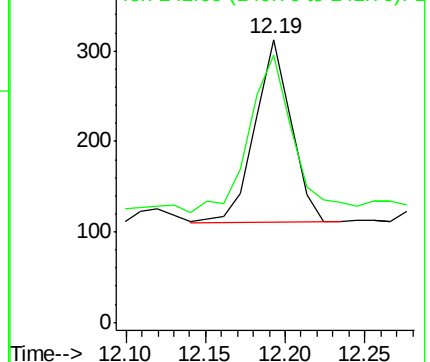
142 100

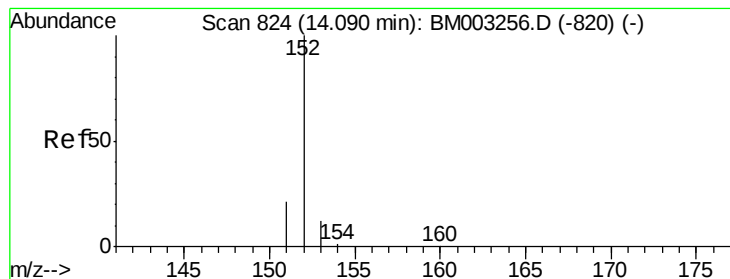
141 105.4 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003272.D

Acq: 22 Nov 2015 05:27

Instrument :

BNA_M

ClientSampleId :

A4J61

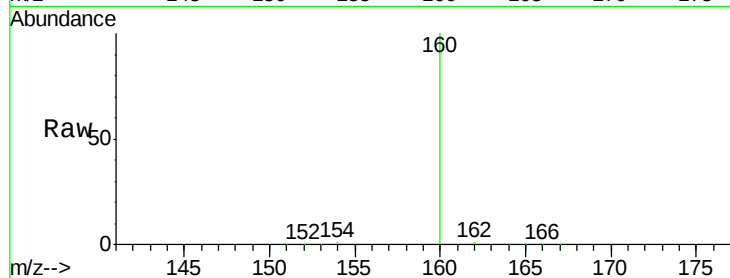
Tgt Ion:152 Resp: 1586

Ion Ratio Lower Upper

152 100

151 42.2 17.6 26.4#

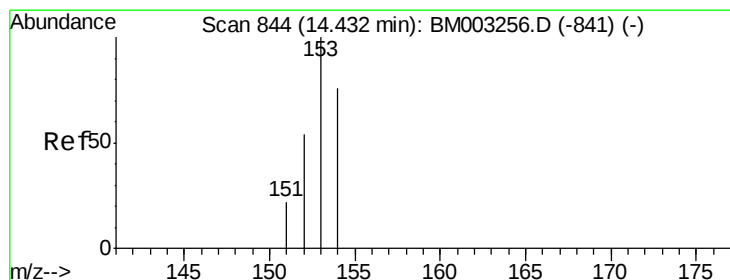
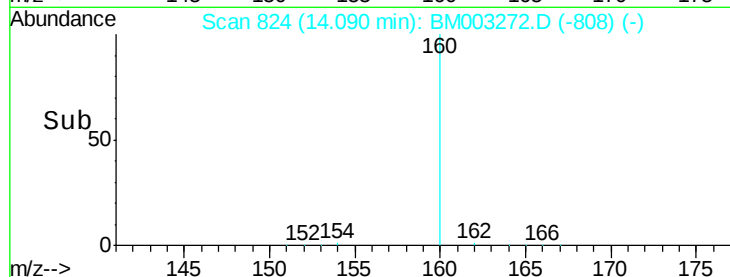
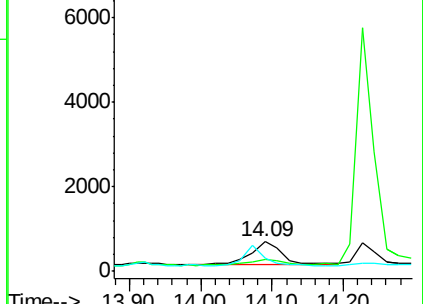
153 43.2 9.7 14.5#



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: 0.00 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. 0.00 min

Lab File: BM003272.D

Acq: 22 Nov 2015 05:27

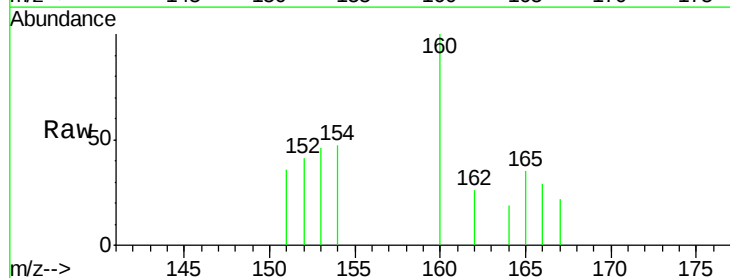
Tgt Ion:153 Resp: 467

Ion Ratio Lower Upper

153 100

152 88.0 33.9 50.9#

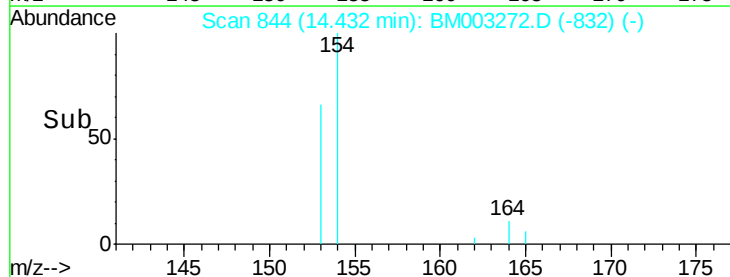
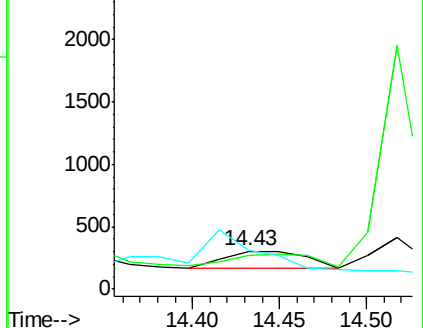
154 102.3 80.6 121.0

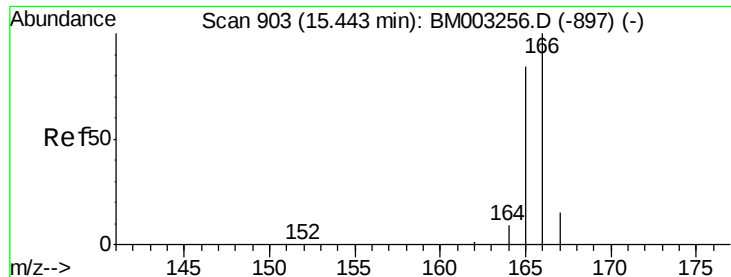


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.49 min Scan# 906

Delta R.T. 0.05 min

Lab File: BM003272.D

Acq: 22 Nov 2015 05:27

Instrument :

BNA_M

ClientSampleId :

A4J61

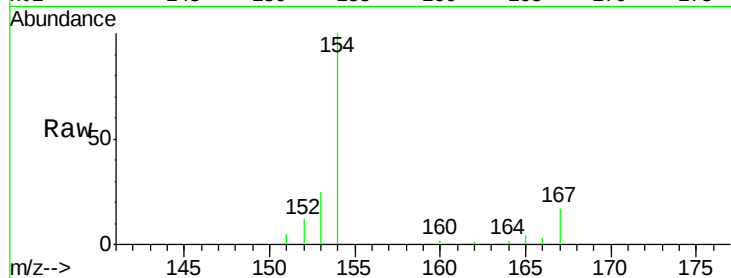
Tgt Ion:166 Resp: 471

Ion Ratio Lower Upper

166 100

165 158.6 69.6 104.4#

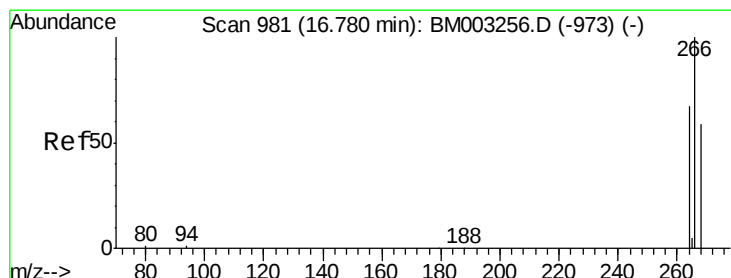
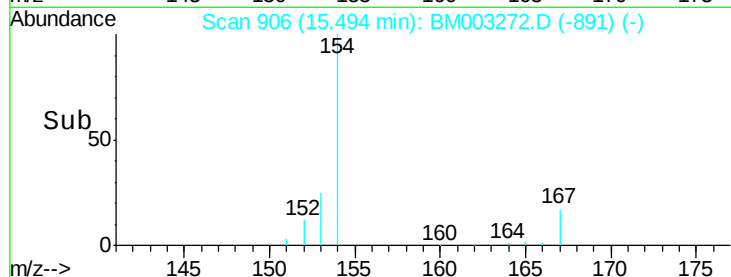
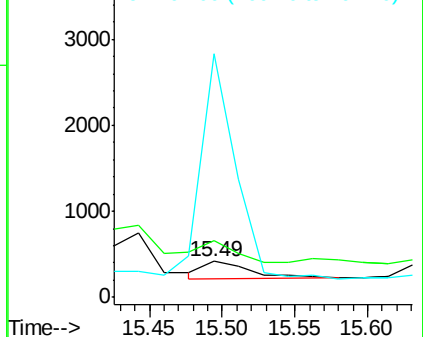
167 681.7 11.9 17.9#



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: 16.78 min Scan# 981

Delta R.T. -0.00 min

Lab File: BM003272.D

Acq: 22 Nov 2015 05:27

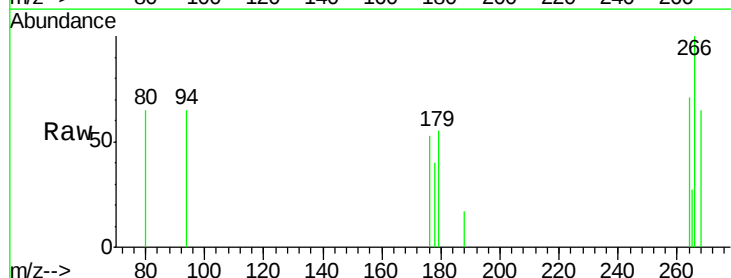
Tgt Ion:266 Resp: 1104

Ion Ratio Lower Upper

266 100

264 63.6 51.8 77.8

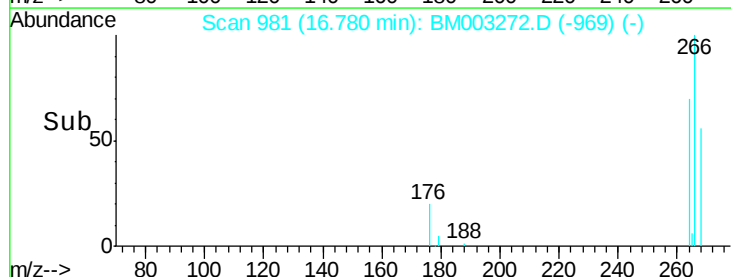
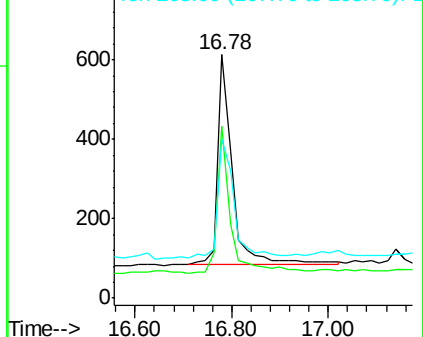
268 61.9 46.8 70.2

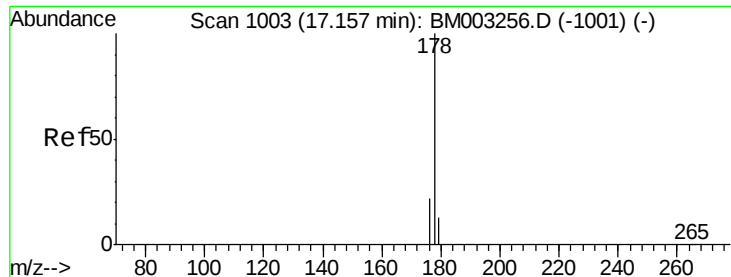


Abundance Ion 266.00 (265.70 to 266.70): E

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: 17.23 min Scan# 1007

Delta R.T. 0.07 min

Lab File: BM003272.D

Acq: 22 Nov 2015 05:27

Instrument :

BNA_M

ClientSampleId :

A4J61

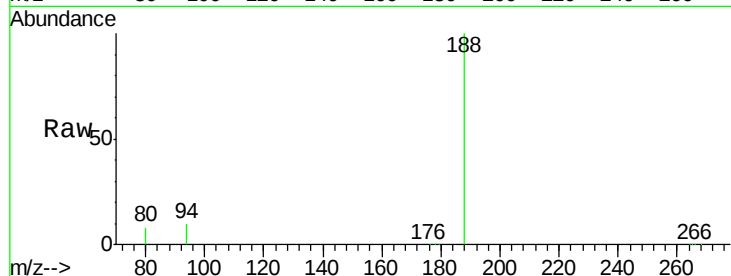
Tgt Ion:178 Resp: 2824

Ion Ratio Lower Upper

178 100

176 14.9 13.0 19.4

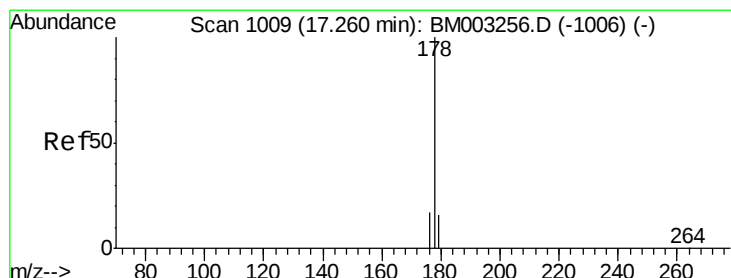
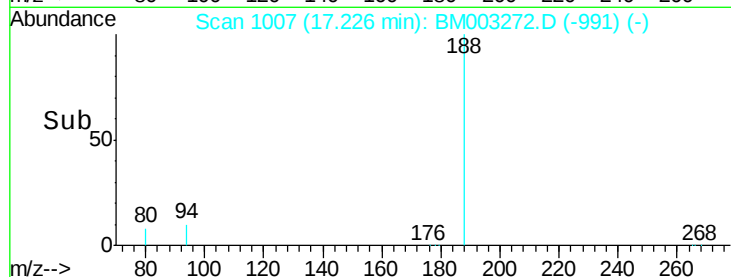
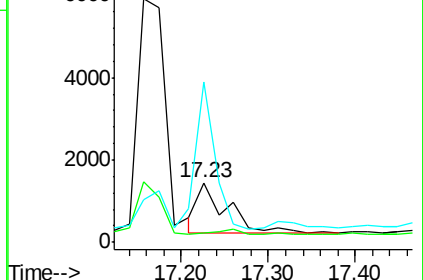
179 269.4 14.2 21.2#



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: 17.23 min Scan# 1007

Delta R.T. -0.03 min

Lab File: BM003272.D

Acq: 22 Nov 2015 05:27

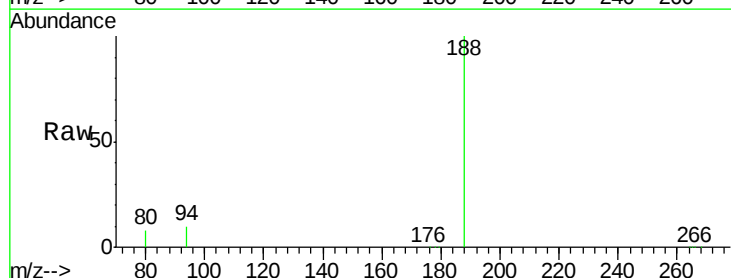
Tgt Ion:178 Resp: 2804

Ion Ratio Lower Upper

178 100

176 14.9 14.0 21.0

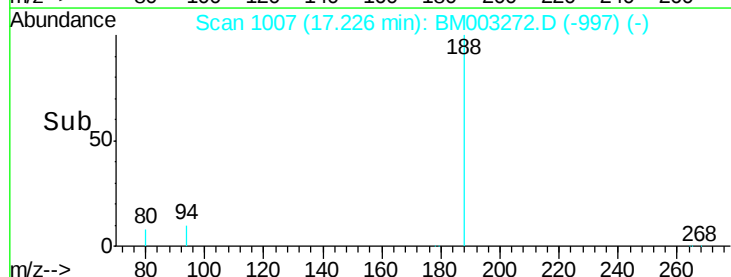
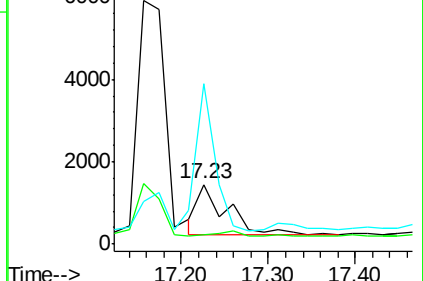
179 269.4 12.9 19.3#

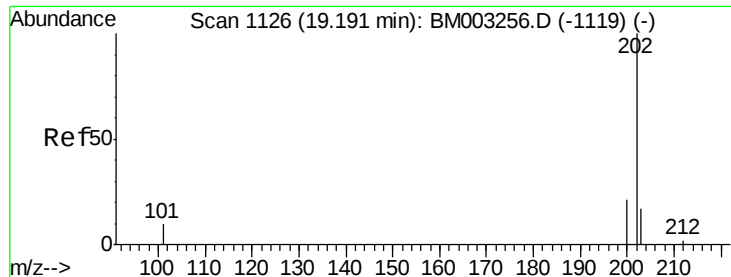


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

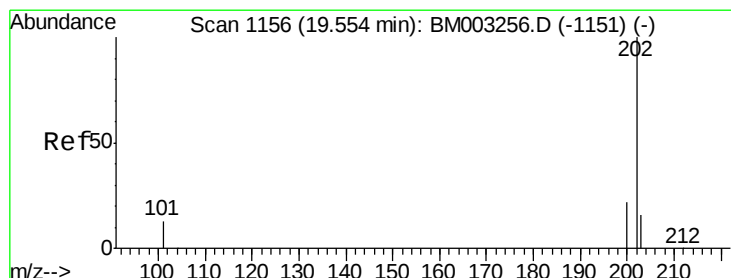
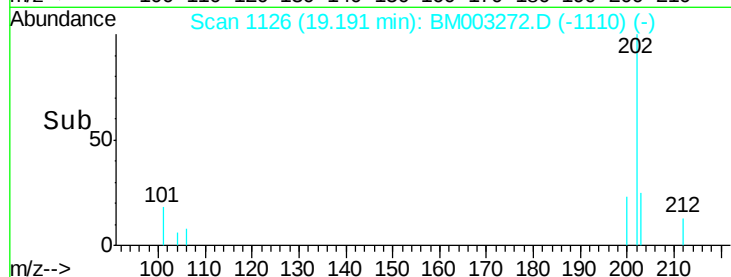
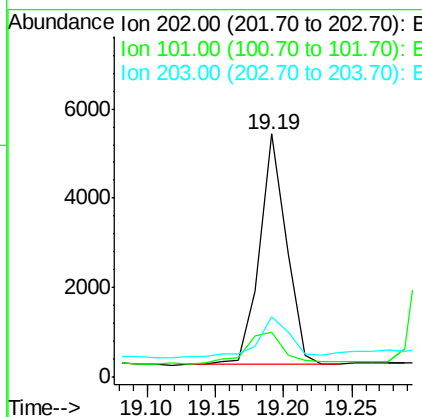
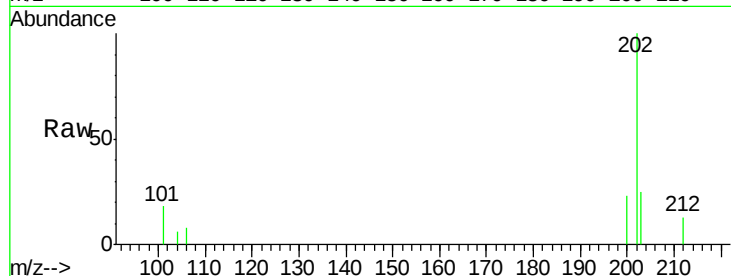




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.19 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: BM003272.D
 Acq: 22 Nov 2015 05:27

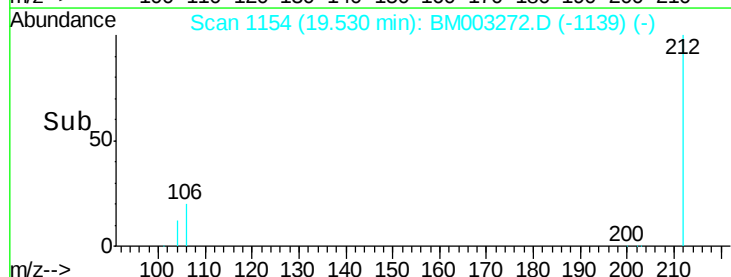
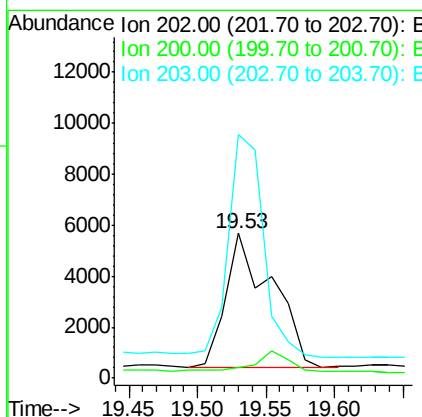
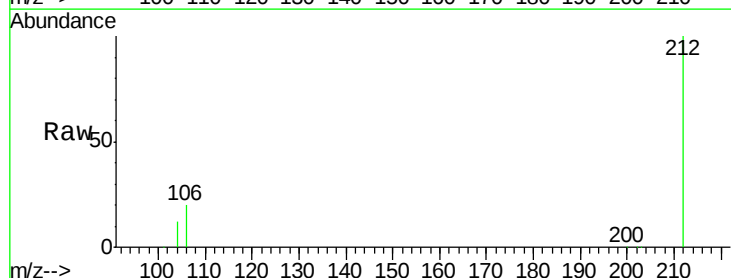
Instrument :
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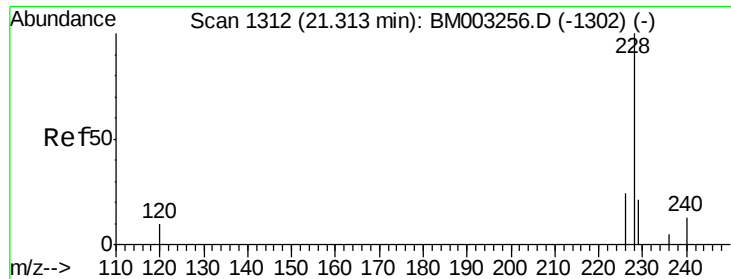
Tgt Ion:202 Resp: 7038
 Ion Ratio Lower Upper
 202 100
 101 18.4 0.0 29.6
 203 24.7 0.0 36.3



#19
Pyrene
 Concen: 0.05 ng/ul
 RT: 19.53 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: BM003272.D
 Acq: 22 Nov 2015 05:27

Tgt Ion:202 Resp: 12389
 Ion Ratio Lower Upper
 202 100
 200 7.4 17.8 26.8#
 203 168.3 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003272.D

Acq: 22 Nov 2015 05:27

Instrument :

BNA_M

ClientSampleId :

A4J61

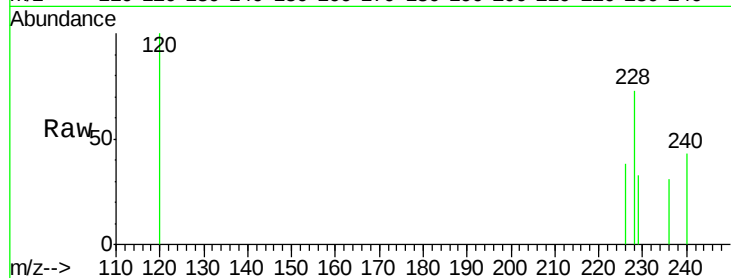
Tgt Ion:228 Resp: 2665

Ion Ratio Lower Upper

228 100

226 52.1 18.8 28.2#

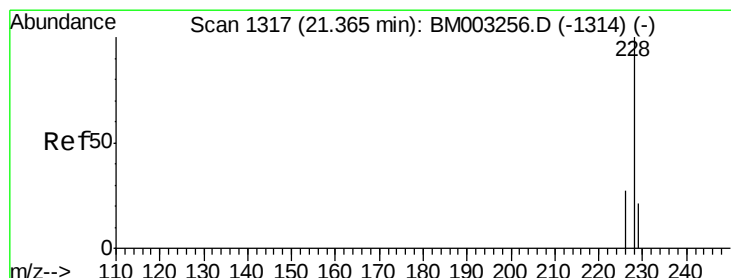
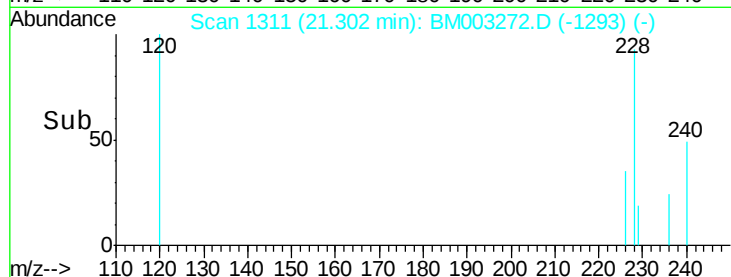
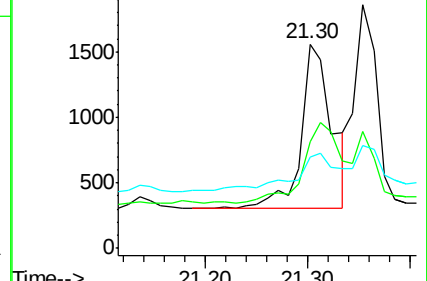
229 44.7 17.1 25.7#



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: 0.01 ng/ul

RT: 21.35 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BM003272.D

Acq: 22 Nov 2015 05:27

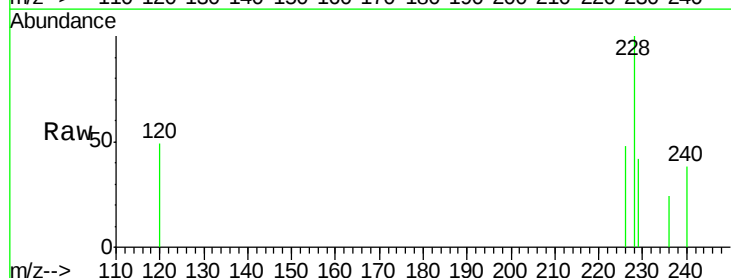
Tgt Ion:228 Resp: 2266

Ion Ratio Lower Upper

228 100

226 48.1 21.2 31.8#

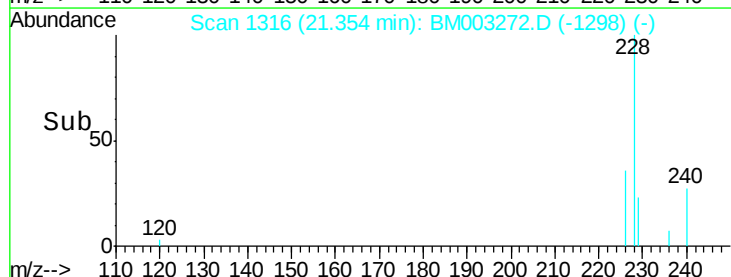
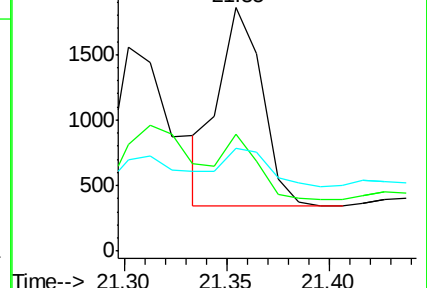
229 42.4 17.0 25.6#

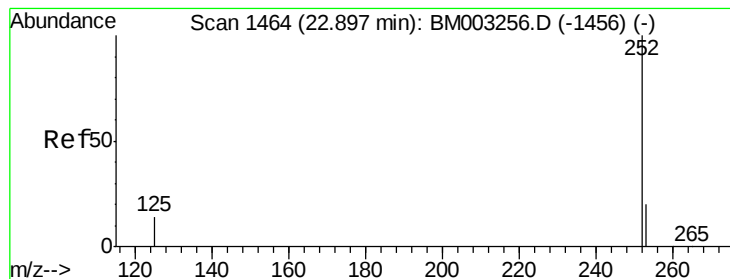


Abundance Ion 228.00 (227.70 to 228.70): E

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: 22.90 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BM003272.D

Acq: 22 Nov 2015 05:27

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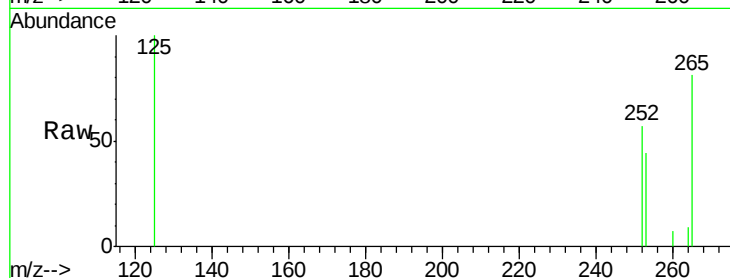
Tgt Ion:252 Resp: 2983

Ion Ratio Lower Upper

252 100

253 78.1 0.0 45.4#

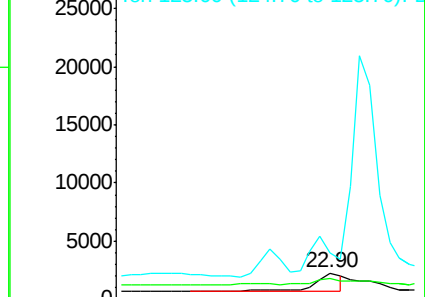
125 176.9 0.0 28.8#



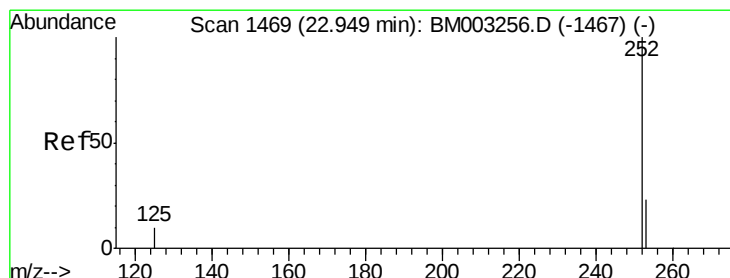
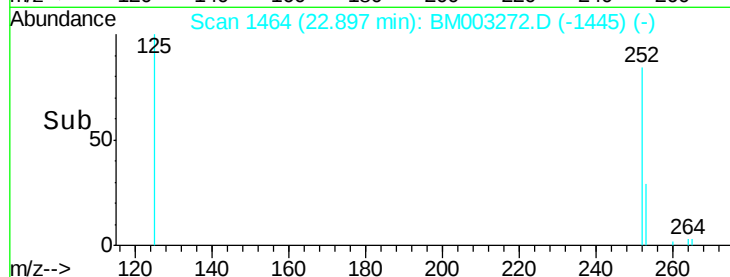
Abundance Ion 252.00 (251.70 to 252.70): E

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: 22.90 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BM003272.D

Acq: 22 Nov 2015 05:27

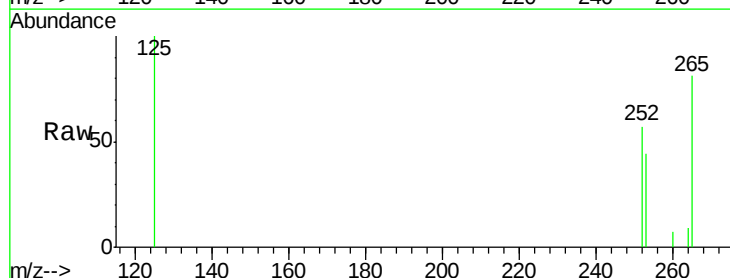
Tgt Ion:252 Resp: 5199

Ion Ratio Lower Upper

252 100

253 78.1 19.8 29.8#

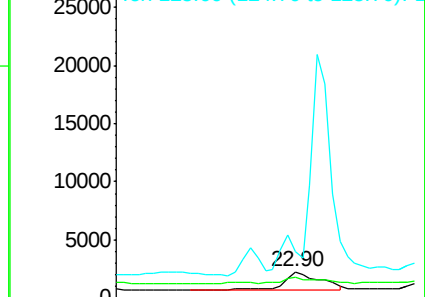
125 176.9 10.4 15.6#



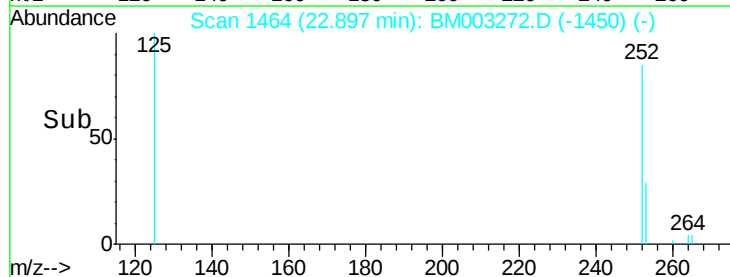
Abundance Ion 252.00 (251.70 to 252.70): E

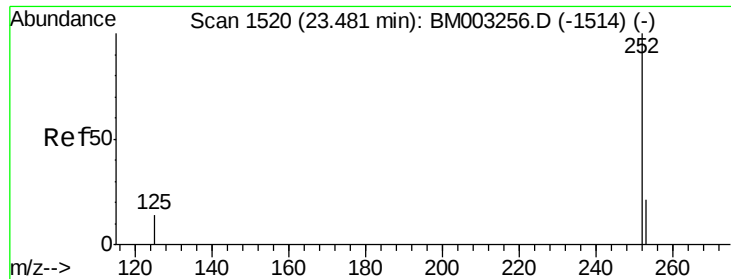
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.44 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BM003272.D

Acq: 22 Nov 2015 05:27

Instrument :

BNA_M

ClientSampleId :

A4J61

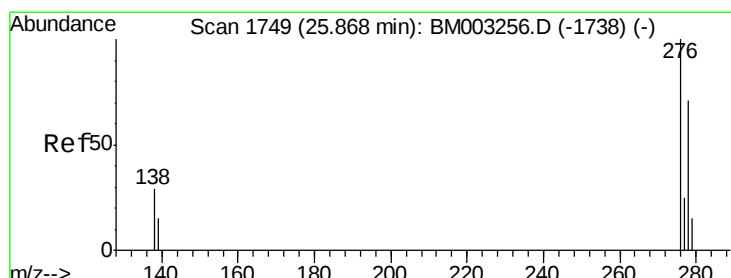
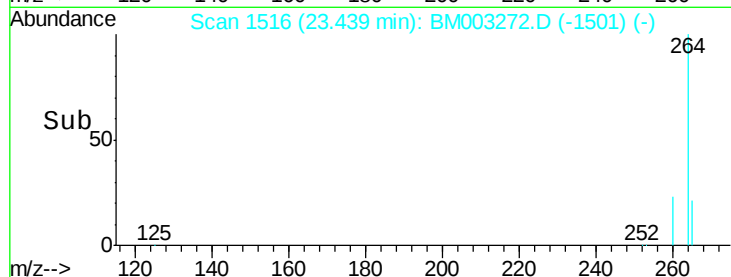
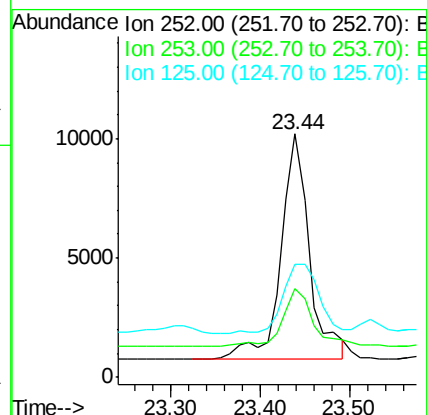
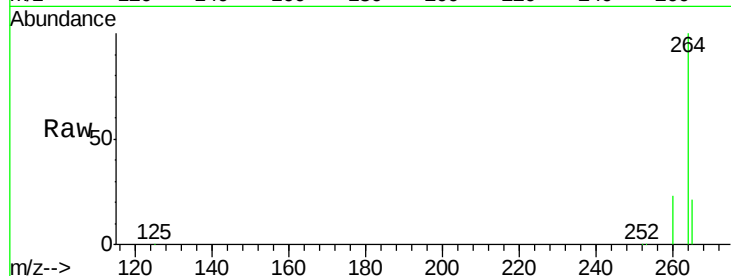
Tgt Ion:252 Resp: 21069

Ion Ratio Lower Upper

252 100

253 36.3 19.4 29.2#

125 46.3 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/u1

RT: 25.62 min Scan# 1725

Delta R.T. -0.25 min

Lab File: BM003272.D

Acq: 22 Nov 2015 05:27

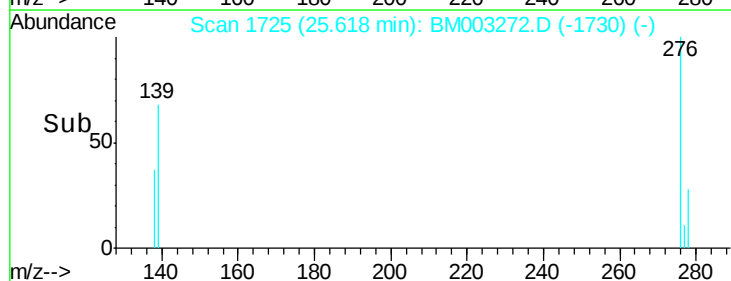
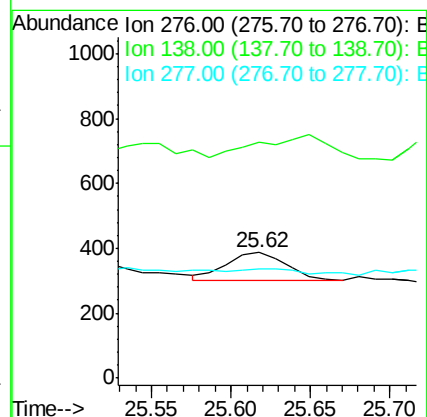
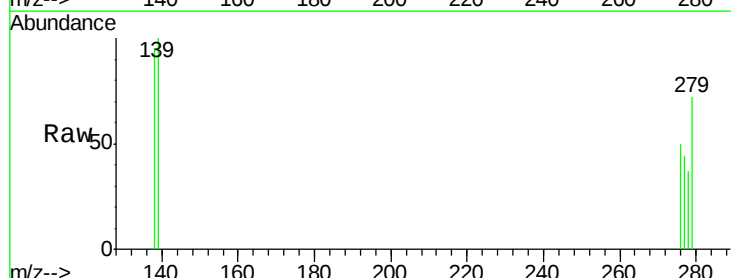
Tgt Ion:276 Resp: 227

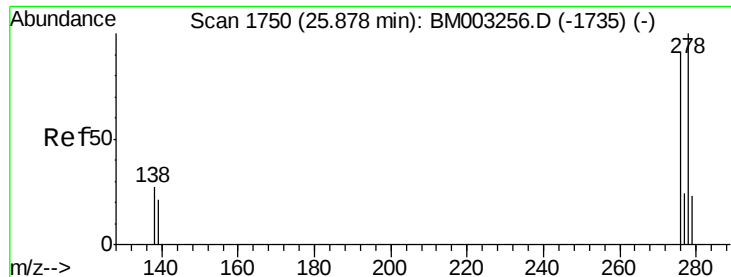
Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

277 26.4 19.8 29.8





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.69 min Scan# 1732

Delta R.T. -0.19 min

Lab File: BM003272.D

Acq: 22 Nov 2015 05:27

Instrument :

BNA_M

ClientSampleId :

A4J61

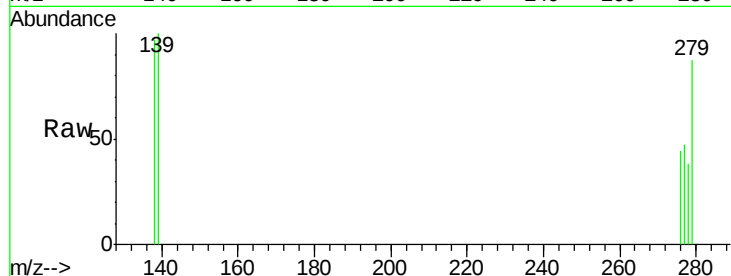
Tgt Ion: 278 Resp: 13

Ion Ratio Lower Upper

278 100

139 264.8 16.4 24.6#

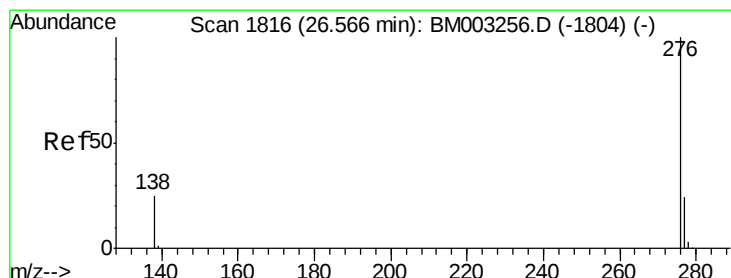
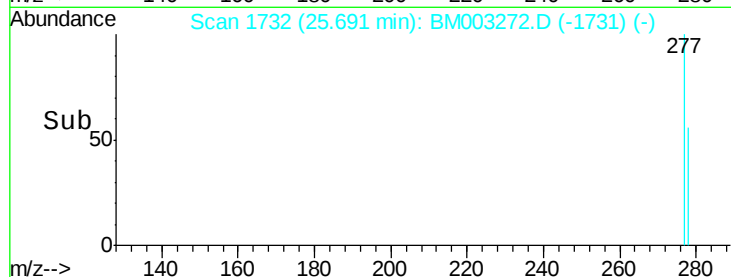
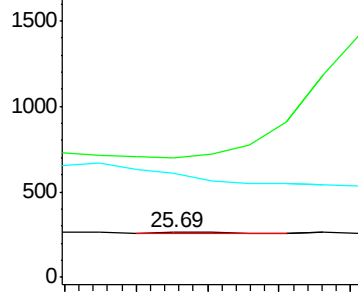
279 229.9 20.2 30.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.34 min Scan# 1794

Delta R.T. -0.23 min

Lab File: BM003272.D

Acq: 22 Nov 2015 05:27

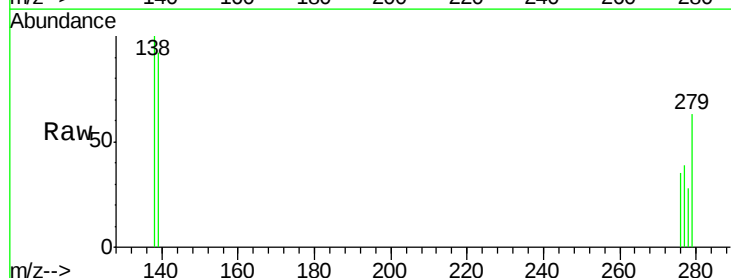
Tgt Ion: 276 Resp: 141

Ion Ratio Lower Upper

276 100

277 109.5 18.9 28.3#

138 281.8 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

