

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003840.D
 Acq On : 28 Dec 2015 22:09
 Operator : SJ/UM
 Sample : G4849-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N69

Quant Time: Dec 29 07:14:50 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 : Tue Dec 29 07:09:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3615	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	15724	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.33	164	9563	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.18	188	1464911	0.40	ng/ul	0.10
18) Chrysene-d12	21.29	240	17387	0.40	ng/ul	0.00
22) Perylene-d12	23.38	264	1079069	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.14	96	20664	13.37	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.07	152	7816	0.41	ng/ul	0.00
16) Fluoranthene-d10	19.37	212	783	0.00	ng/ul	0.24

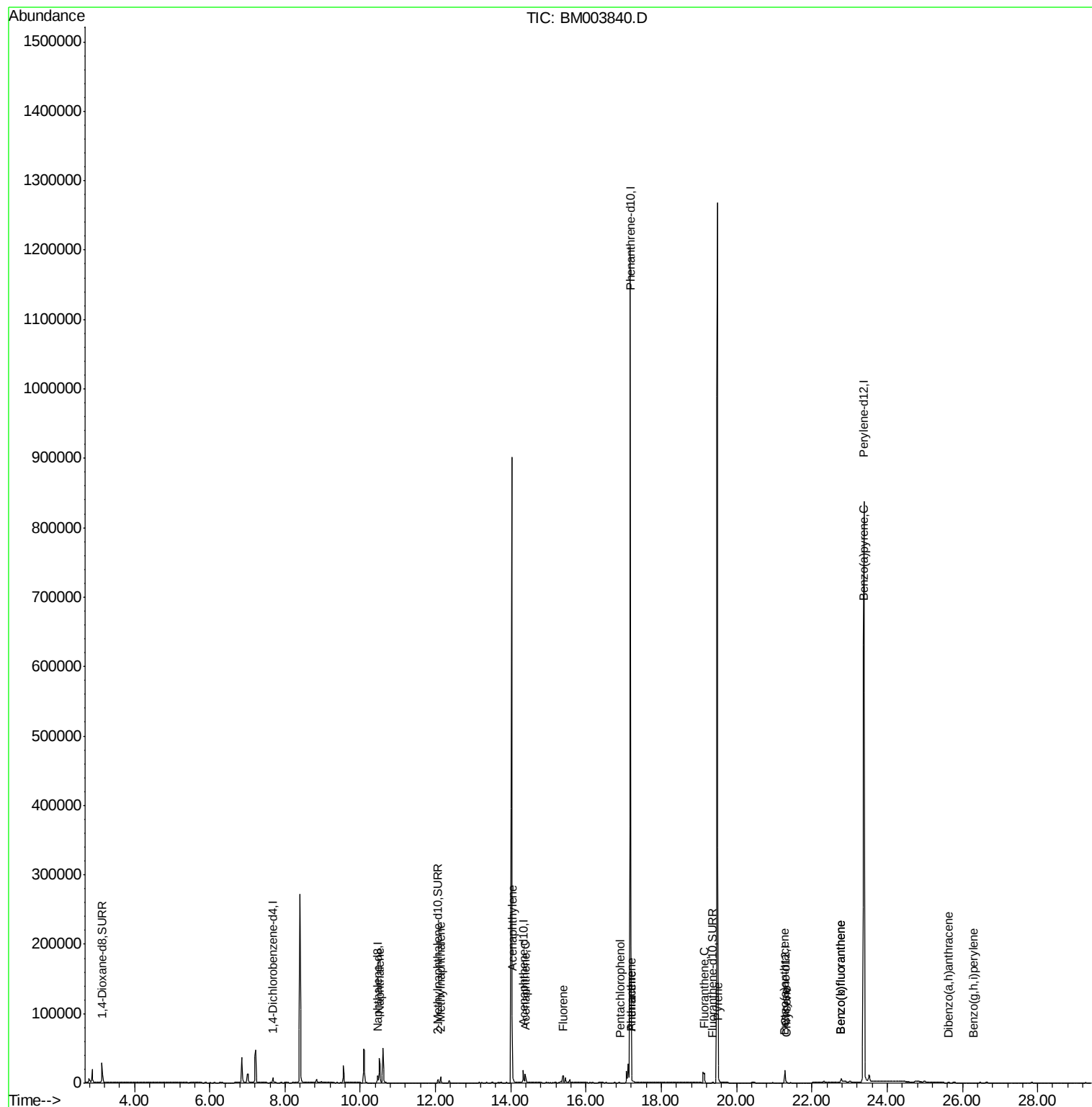
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.51	128	49569	1.40	ng/ul	97
7) 2-Methylnaphthalene	12.13	142	7142	0.30	ng/ul	99
9) Acenaphthylene	14.04	152	890	0.02	ng/ul#	78
10) Acenaphthene	14.38	153	8440	0.29	ng/ul#	80
11) Fluorene	15.39	166	12093	0.37	ng/ul	97
13) Pentachlorophenol	16.90	266	6	0.00	ng/ul#	31
14) Phenanthrene	17.21	178	3252	0.00	ng/ul#	91
15) Anthracene	17.21	178	3275	0.00	ng/ul#	90
17) Fluoranthene	19.15	202	14450	0.00	ng/ul	93
19) Pyrene	19.51	202	11695	0.25	ng/ul#	94
20) Benzo(a)anthracene	21.27	228	1658	0.04	ng/ul#	85
21) Chrysene	21.32	228	1531	0.03	ng/ul#	84
23) Benzo(b)fluoranthene	22.78	252	42	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.78	252	42	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.37	252	4741	0.00	ng/ul#	51
27) Dibenzo(a,h)anthracene	25.62	278	1171	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.30	276	9	0.00	ng/ul#	1

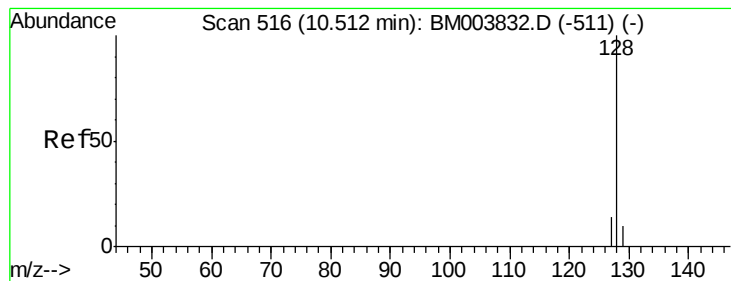
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 1.40 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.00 min

Lab File: BM003840.D

Acq: 28 Dec 2015 22:09

Instrument :

BNA_M

ClientSampleId :

D9N69

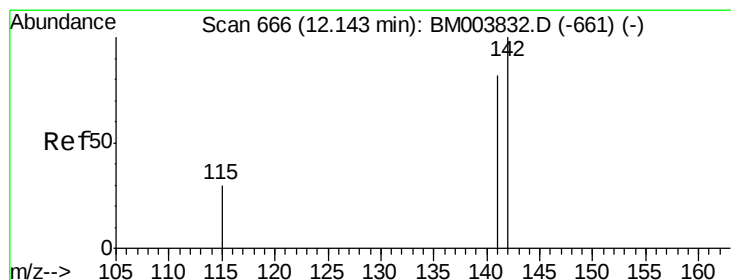
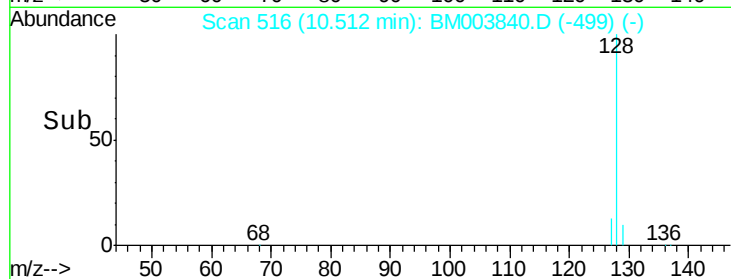
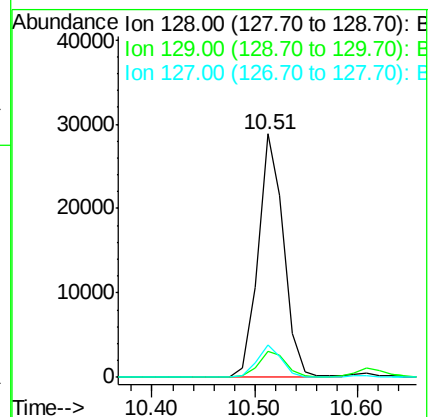
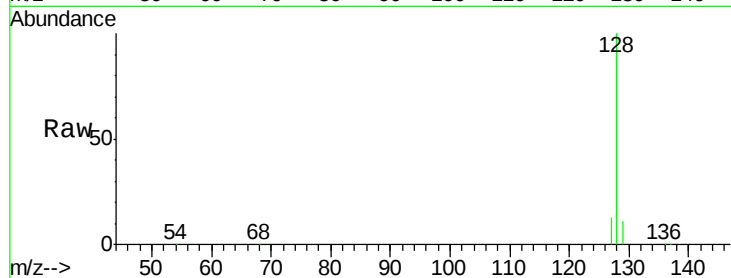
Tgt Ion:128 Resp: 49569

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

127 13.5 9.6 14.4



#7

2-Methylnaphthalene

Concen: 0.30 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.01 min

Lab File: BM003840.D

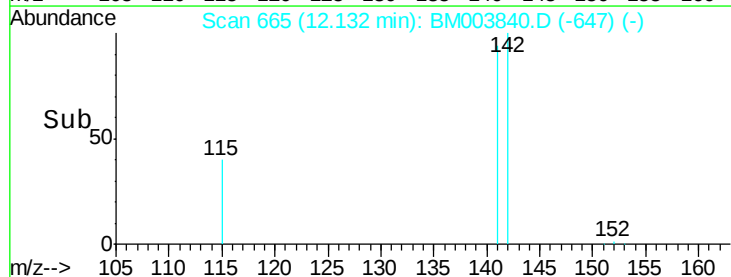
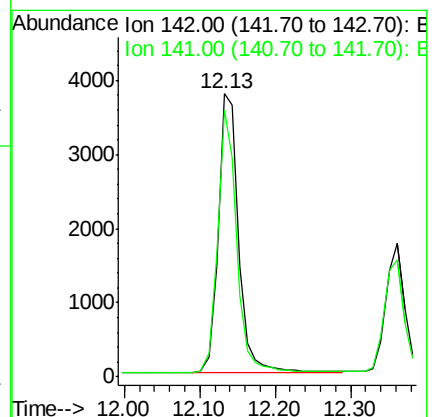
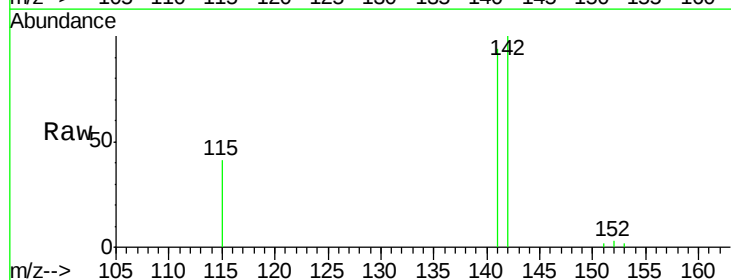
Acq: 28 Dec 2015 22:09

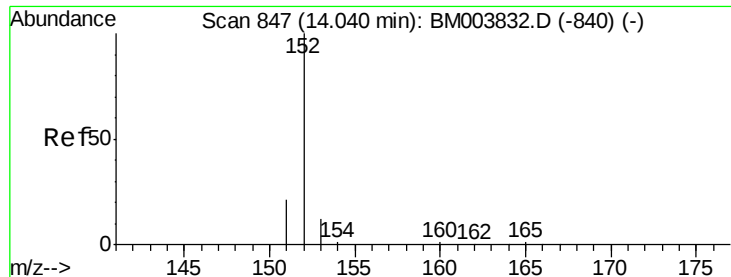
Tgt Ion:142 Resp: 7142

Ion Ratio Lower Upper

142 100

141 88.4 70.3 105.5





#9

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM003840.D

Acq: 28 Dec 2015 22:09

Instrument :

BNA_M

ClientSampleId :

D9N69

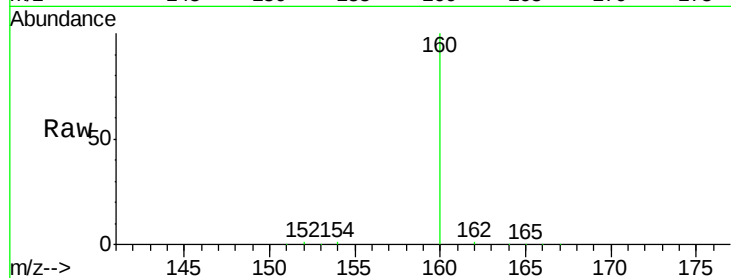
Tgt Ion:152 Resp: 890

Ion Ratio Lower Upper

152 100

151 28.9 17.6 26.4#

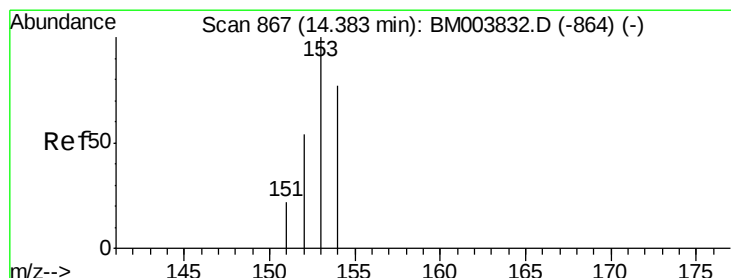
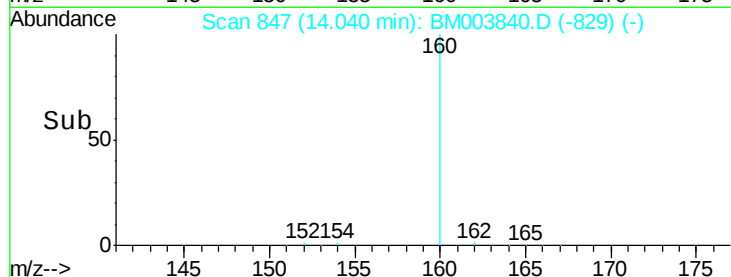
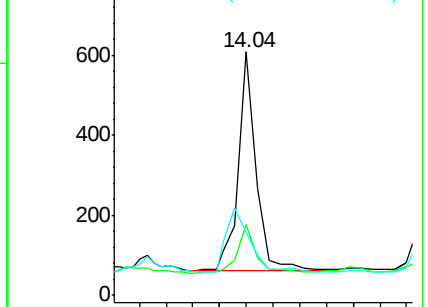
153 26.2 9.7 14.5#



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: 0.29 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM003840.D

Acq: 28 Dec 2015 22:09

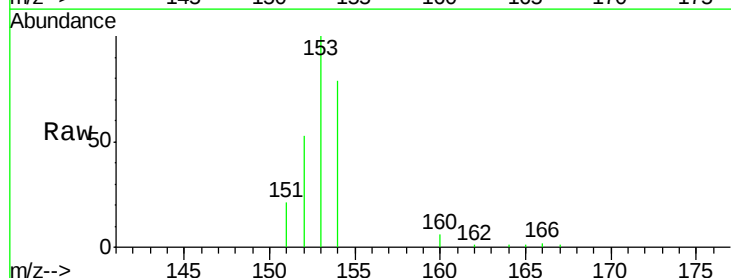
Tgt Ion:153 Resp: 8440

Ion Ratio Lower Upper

153 100

152 52.6 33.9 50.9#

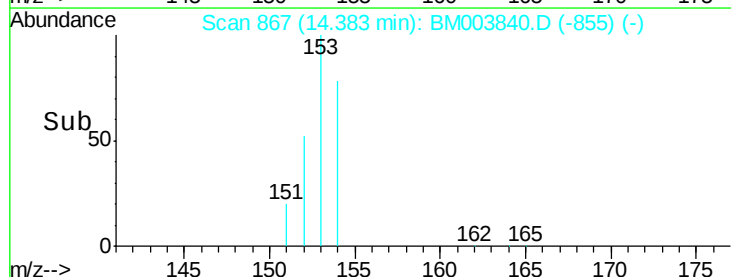
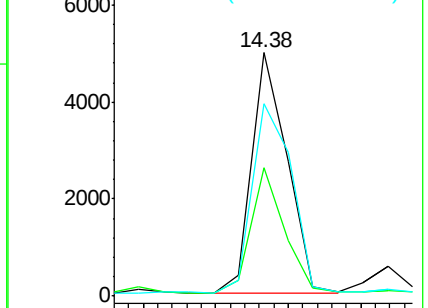
154 78.8 80.6 121.0#

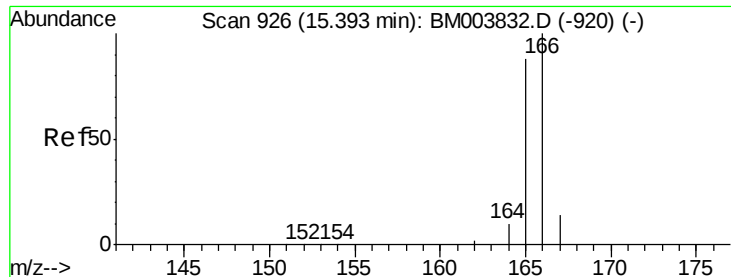


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

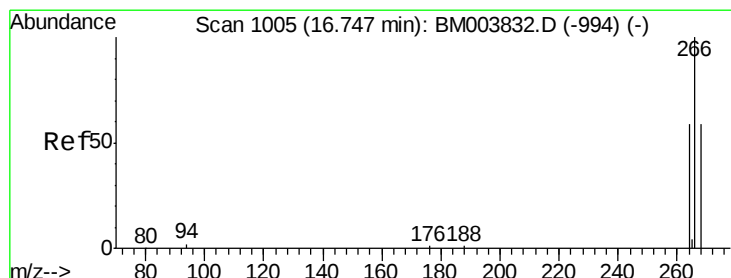
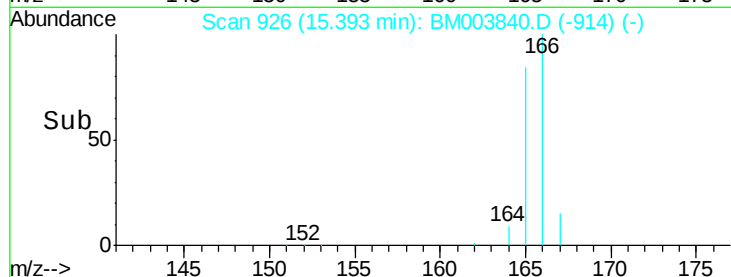
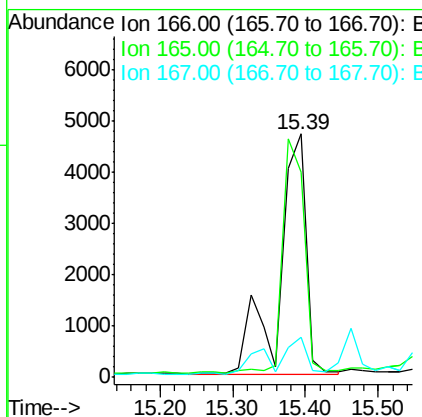
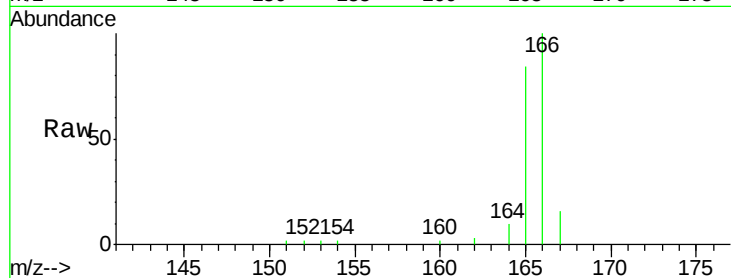




#11
Fluorene
 Concen: 0.37 ng/ul
 RT: 15.39 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BM003840.D
 Acq: 28 Dec 2015 22:09

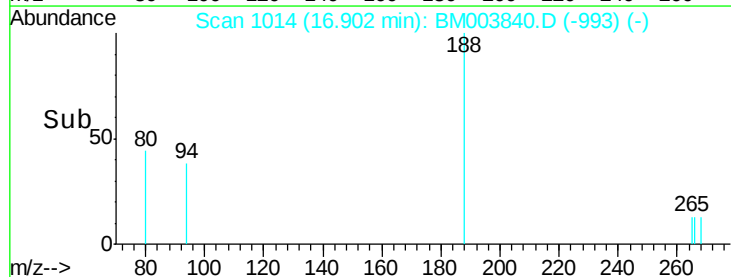
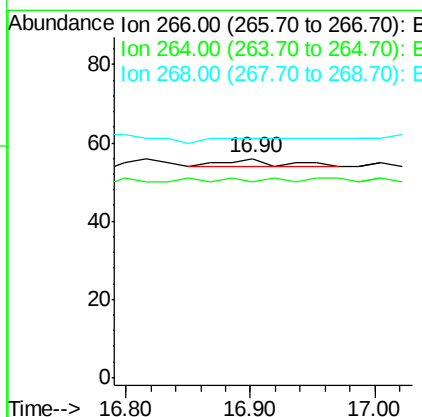
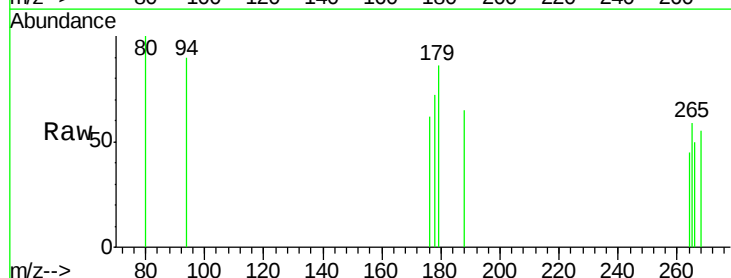
Instrument :
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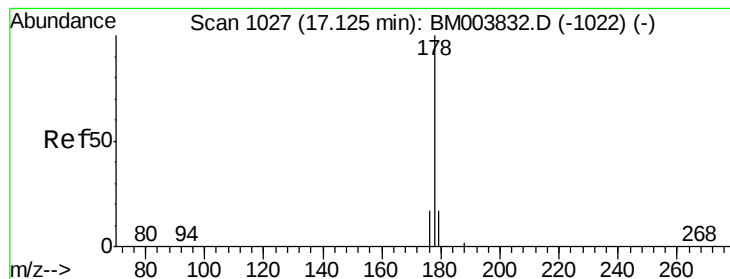
Tgt Ion:166 Resp: 12093
 Ion Ratio Lower Upper
 166 100
 165 84.1 69.6 104.4
 167 16.4 11.9 17.9



#13
Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.90 min Scan# 1014
 Delta R.T. 0.15 min
 Lab File: BM003840.D
 Acq: 28 Dec 2015 22:09

Tgt Ion:266 Resp: 6
 Ion Ratio Lower Upper
 266 100
 264 16.7 51.8 77.8#
 268 0.0 46.8 70.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. 0.09 min

Lab File: BM003840.D

Acq: 28 Dec 2015 22:09

Instrument :

BNA_M

ClientSampleId :

D9N69

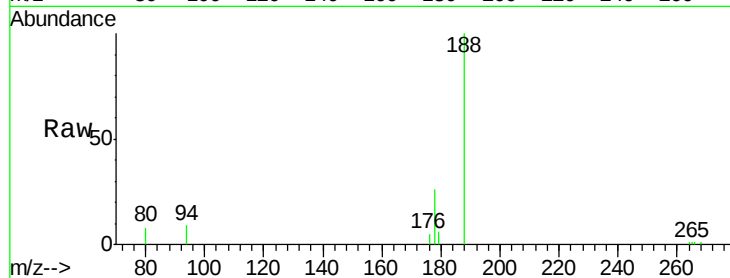
Tgt Ion:178 Resp: 3252

Ion Ratio Lower Upper

178 100

176 20.0 13.0 19.4#

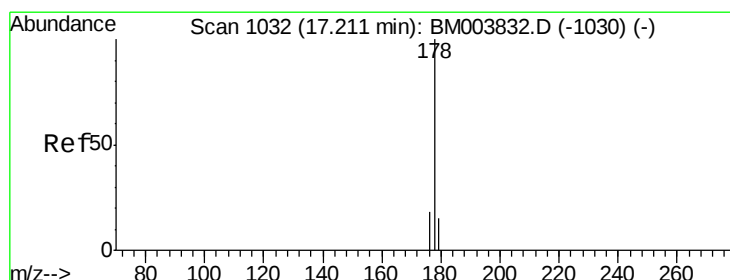
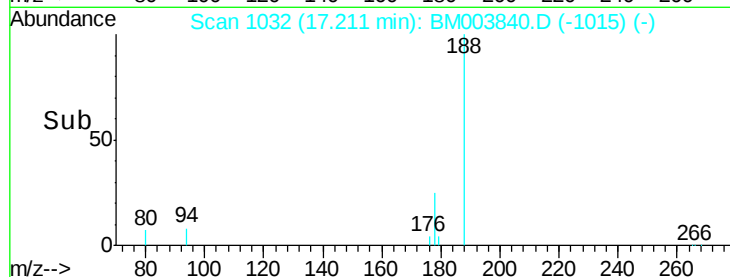
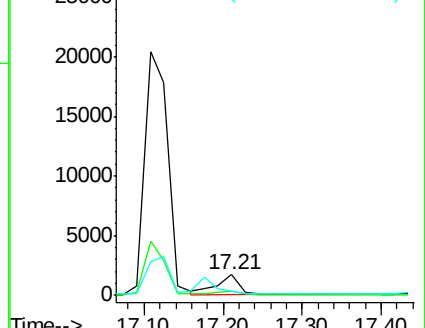
179 22.0 14.2 21.2#



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: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM003840.D

Acq: 28 Dec 2015 22:09

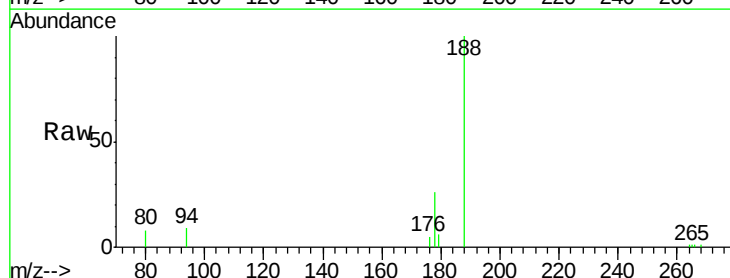
Tgt Ion:178 Resp: 3275

Ion Ratio Lower Upper

178 100

176 20.0 14.0 21.0

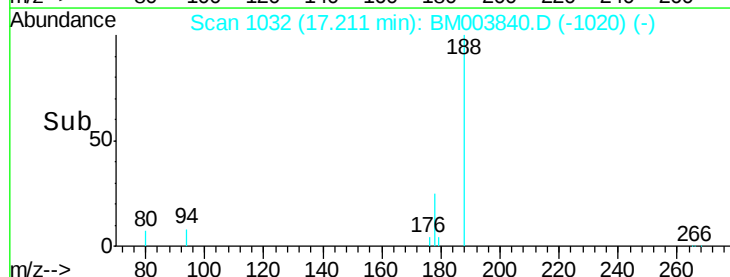
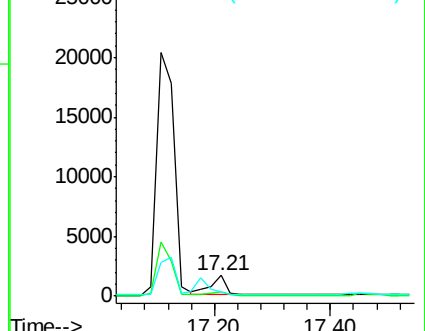
179 22.0 12.9 19.3#

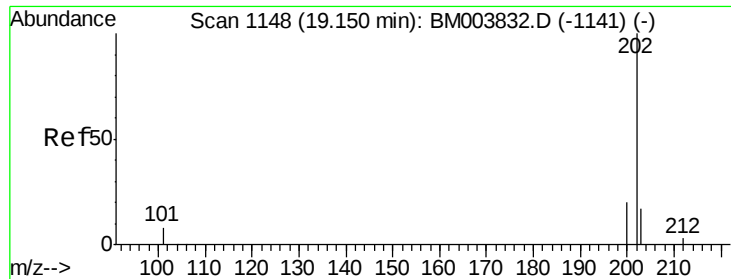


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

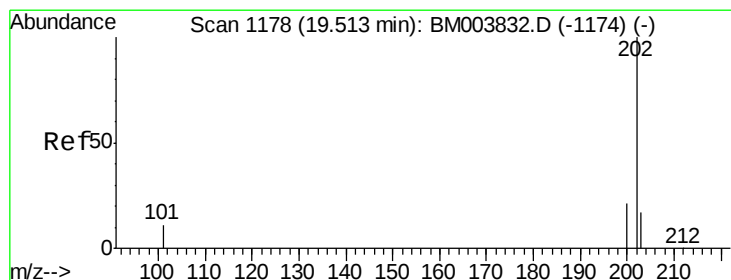
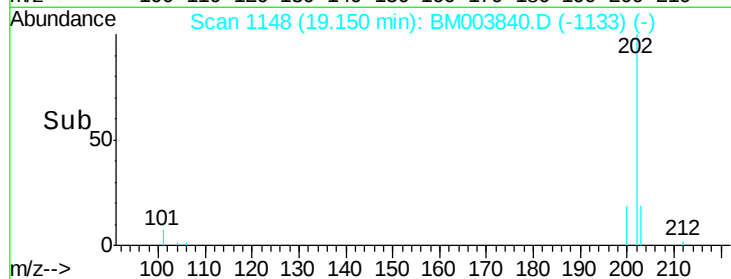
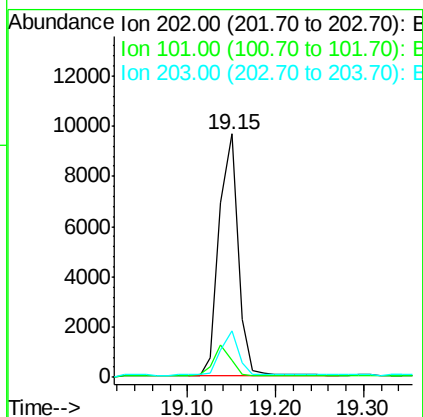
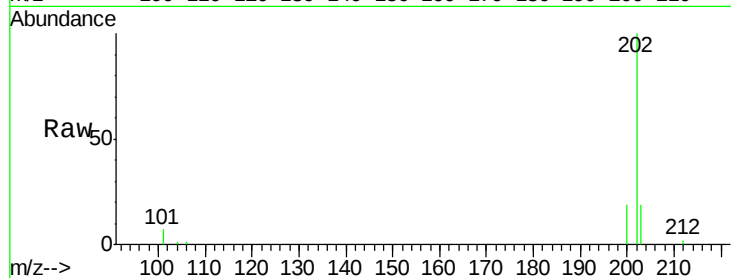




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.15 min Scan# 1148
 Delta R.T. -0.00 min
 Lab File: BM003840.D
 Acq: 28 Dec 2015 22:09

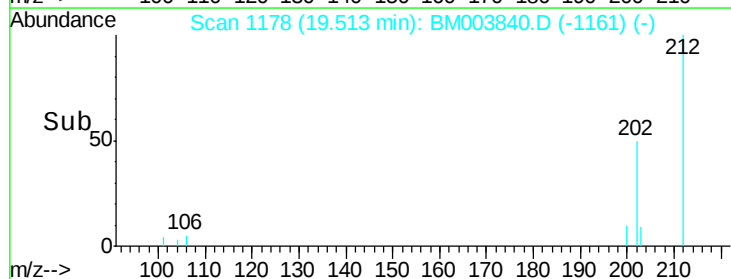
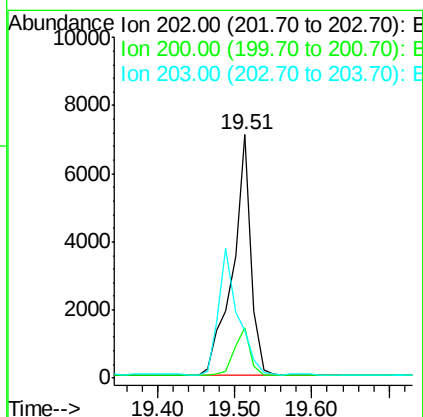
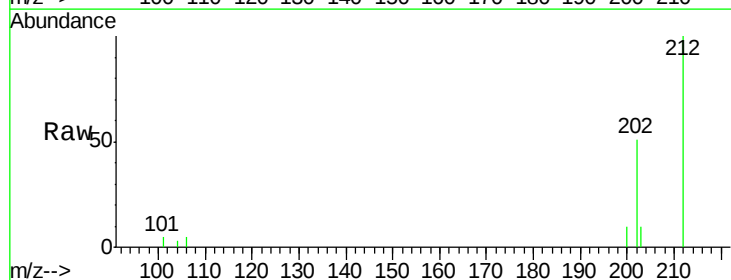
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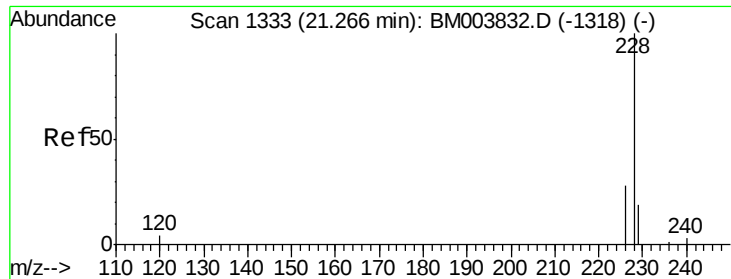
Tgt Ion:202 Resp: 14450
 Ion Ratio Lower Upper
 202 100
 101 7.0 0.0 29.6
 203 19.0 0.0 36.3



#19
Pyrene
 Concen: 0.25 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: BM003840.D
 Acq: 28 Dec 2015 22:09

Tgt Ion:202 Resp: 11695
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.8 26.8
 203 19.6 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM003840.D

Acq: 28 Dec 2015 22:09

Instrument :

BNA_M

ClientSampleId :

D9N69

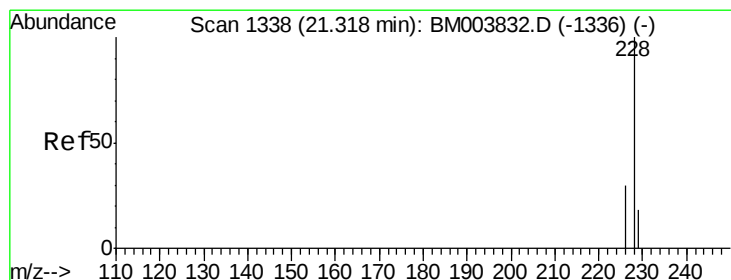
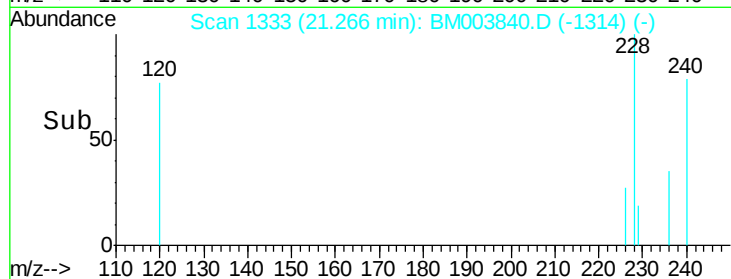
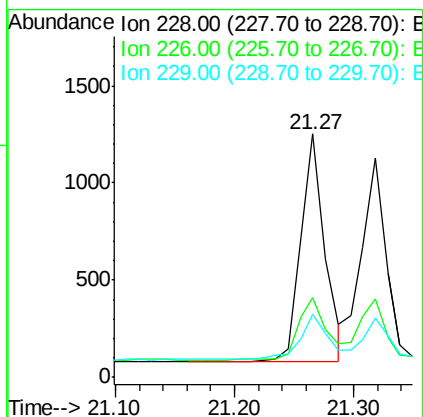
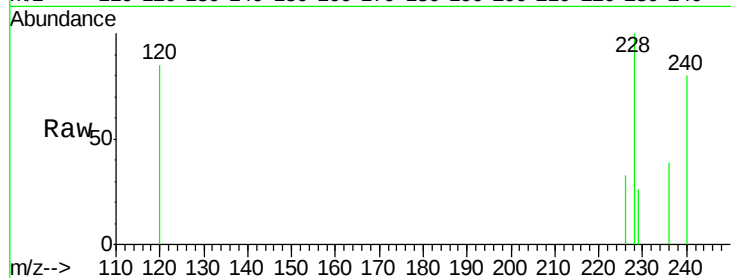
Tgt Ion:228 Resp: 1658

Ion Ratio Lower Upper

228 100

226 32.9 18.8 28.2#

229 25.9 17.1 25.7#



#21

Chrysene

Concen: 0.03 ng/ul

RT: 21.32 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BM003840.D

Acq: 28 Dec 2015 22:09

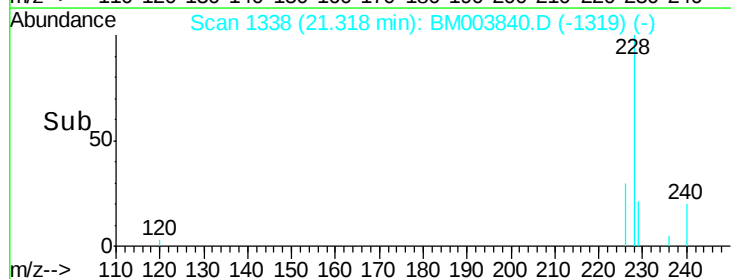
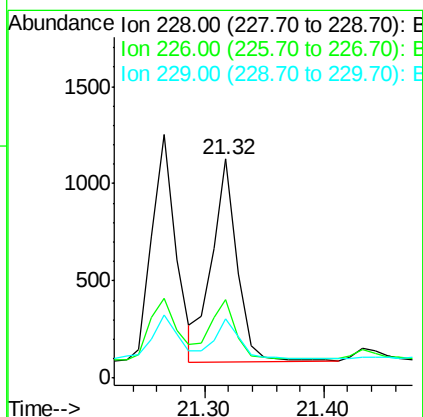
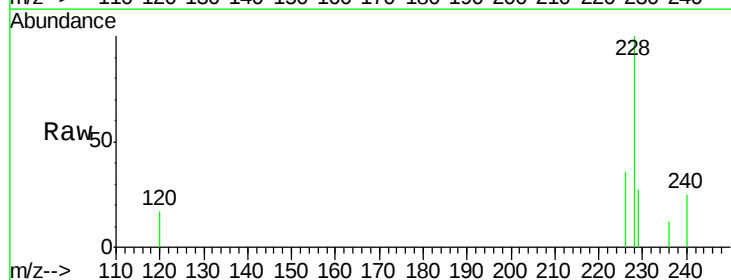
Tgt Ion:228 Resp: 1531

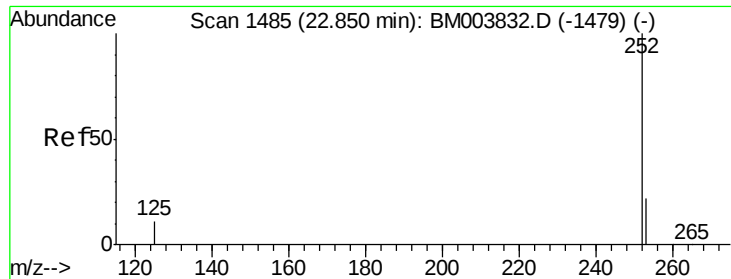
Ion Ratio Lower Upper

228 100

226 35.8 21.2 31.8#

229 27.3 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.78 min Scan# 1478

Delta R.T. -0.07 min

Lab File: BM003840.D

Acq: 28 Dec 2015 22:09

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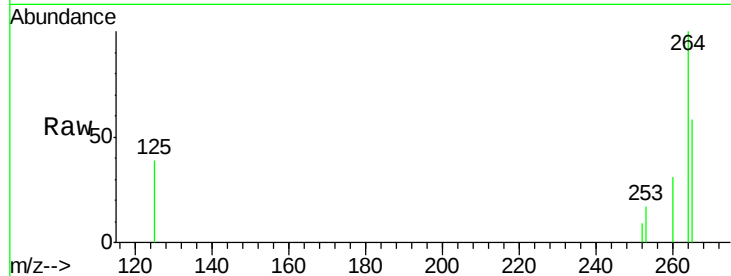
Tgt Ion:252 Resp: 42

Ion Ratio Lower Upper

252 100

253 183.6 0.0 45.4#

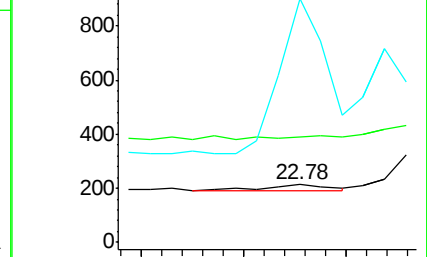
125 422.5 0.0 28.8#



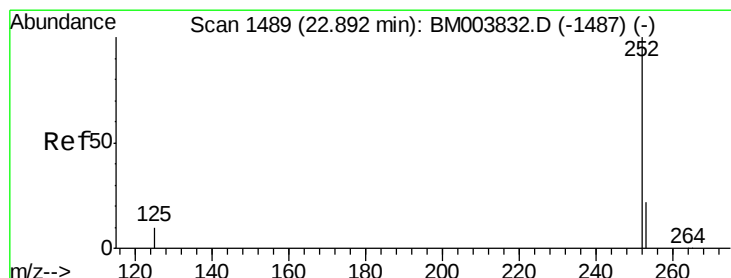
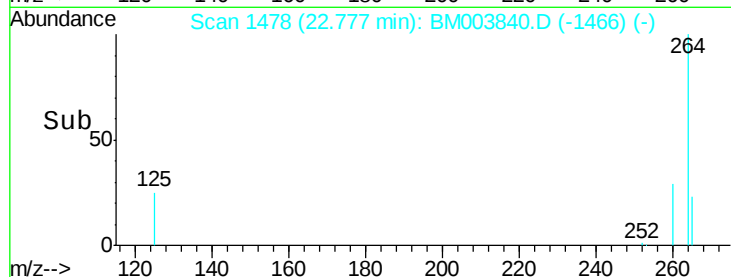
Abundance Ion 252.00 (251.70 to 252.70): E

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: 22.78 min Scan# 1478

Delta R.T. -0.11 min

Lab File: BM003840.D

Acq: 28 Dec 2015 22:09

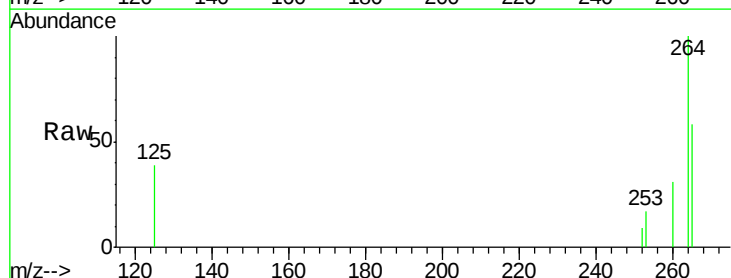
Tgt Ion:252 Resp: 42

Ion Ratio Lower Upper

252 100

253 183.6 19.8 29.8#

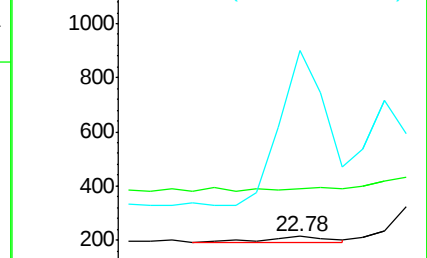
125 422.5 10.4 15.6#



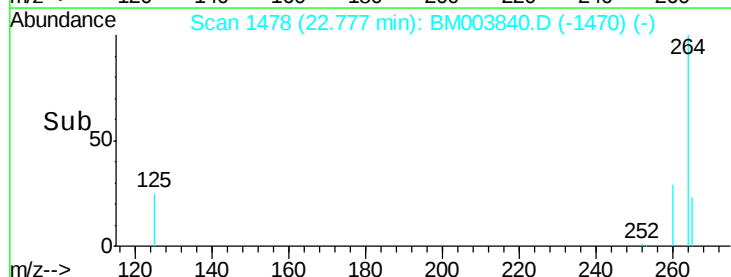
Abundance Ion 252.00 (251.70 to 252.70): E

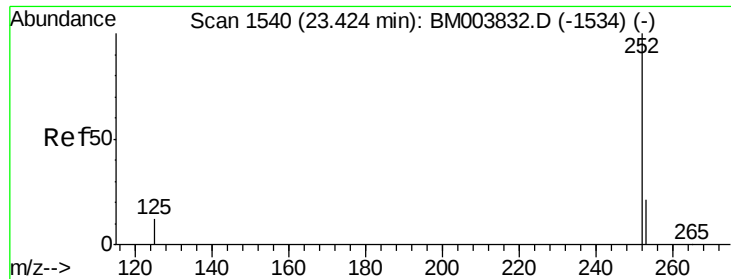
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.37 min Scan# 1535

Delta R.T. -0.05 min

Lab File: BM003840.D

Acq: 28 Dec 2015 22:09

Instrument :

BNA_M

ClientSampleId :

D9N69

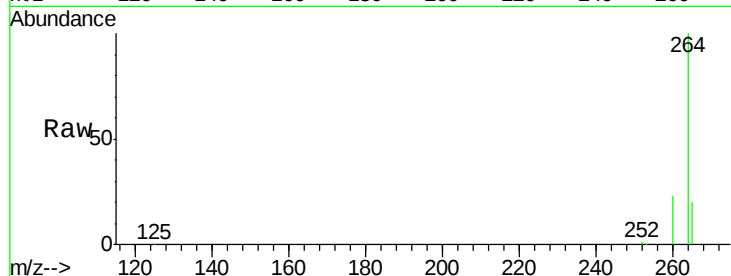
Tgt Ion:252 Resp: 4741

Ion Ratio Lower Upper

252 100

253 40.2 19.4 29.2#

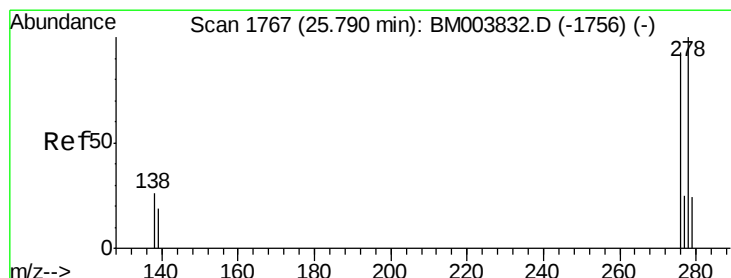
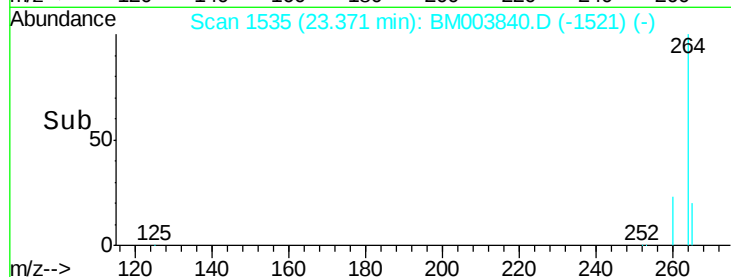
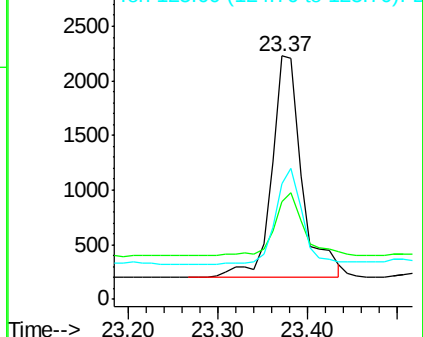
125 47.7 12.7 19.1#



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



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.62 min Scan# 1751

Delta R.T. -0.17 min

Lab File: BM003840.D

Acq: 28 Dec 2015 22:09

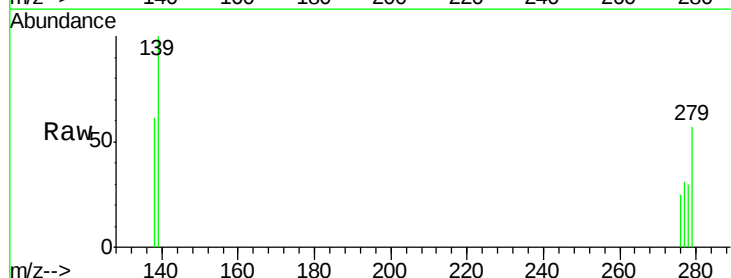
Tgt Ion:278 Resp: 1171

Ion Ratio Lower Upper

278 100

139 333.3 16.4 24.6#

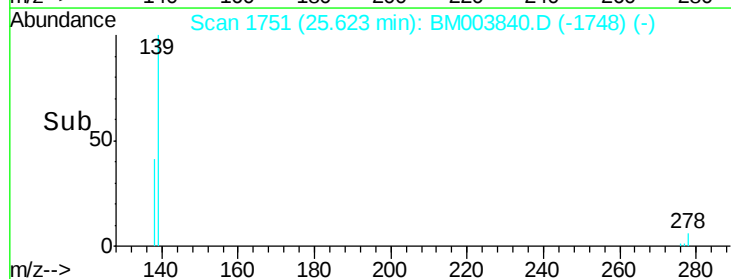
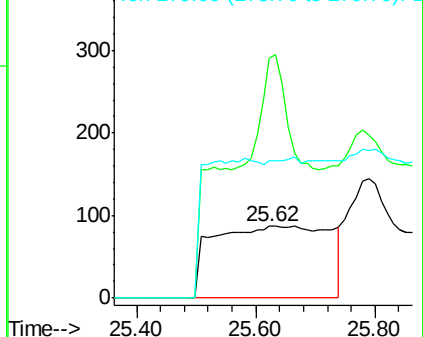
279 190.8 20.2 30.2#

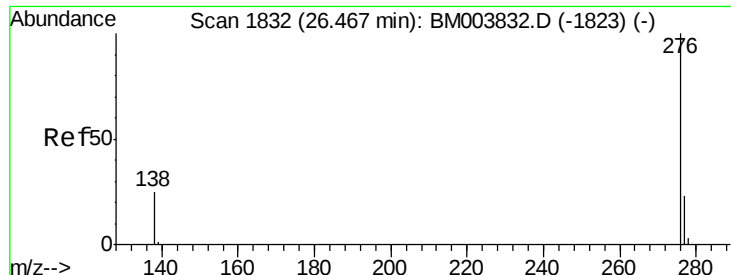


Abundance Ion 278.00 (277.70 to 278.70): E

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: 26.30 min Scan# 1816

Delta R.T. -0.17 min

Lab File: BM003840.D

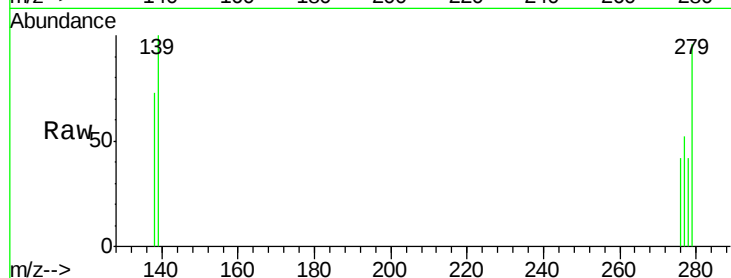
Acq: 28 Dec 2015 22:09

Instrument :

BNA_M

ClientSampleId :

D9N69



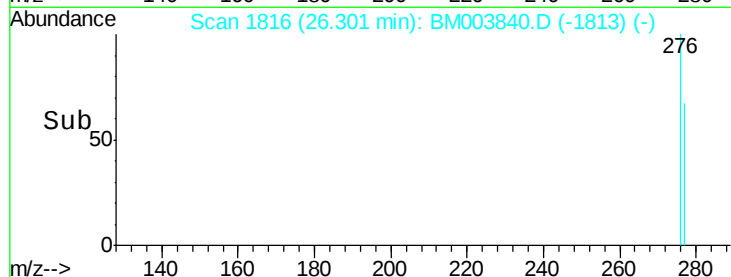
Tgt Ion: 276 Resp: 9

Ion Ratio Lower Upper

276 100

277 123.6 18.9 28.3#

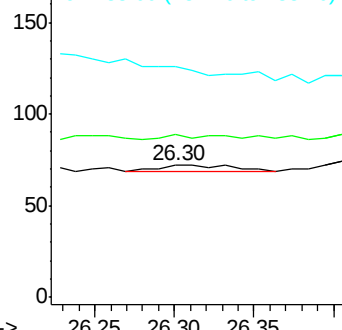
138 175.0 22.5 33.7#



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-->