

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003839.D
 Acq On : 28 Dec 2015 21:34
 Operator : SJ/UM
 Sample : G4849-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N68

Quant Time: Dec 29 07:14:29 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	3648	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	16321	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.33	164	10302	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.18	188	1558396	0.40	ng/ul	0.10
18) Chrysene-d12	21.29	240	19476	0.40	ng/ul	0.00
22) Perylene-d12	23.38	264	1200798	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	21256	13.63	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.06	152	8416	0.43	ng/ul	-0.01
16) Fluoranthene-d10	19.37	212	845	0.00	ng/ul	0.24

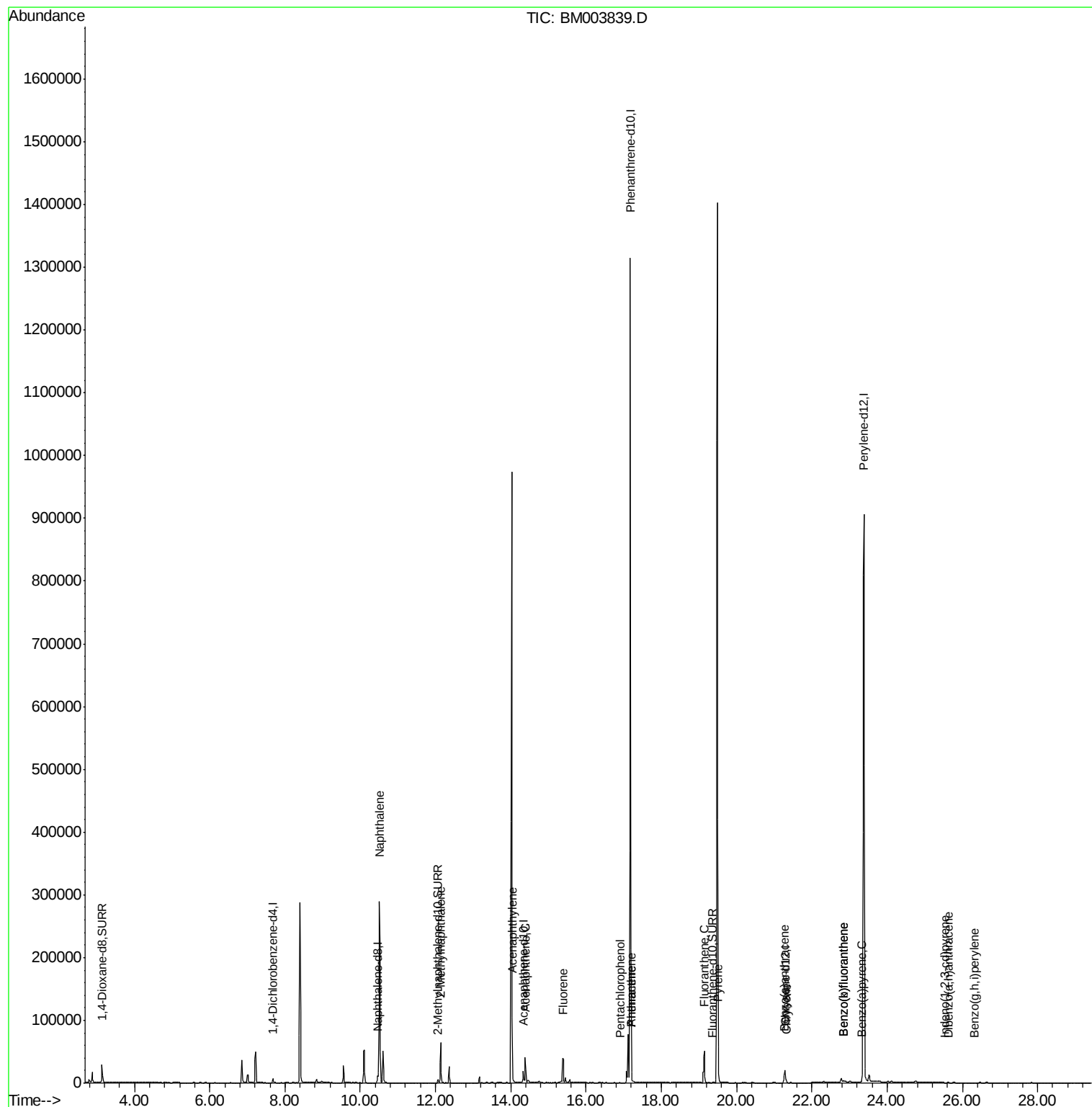
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.51	128	404591	11.00	ng/ul	97
7) 2-Methylnaphthalene	12.13	142	48476	1.96	ng/ul	99
9) Acenaphthylene	14.04	152	1239	0.03	ng/ul#	80
10) Acenaphthene	14.38	153	27193	0.86	ng/ul#	81
11) Fluorene	15.39	166	39028	1.11	ng/ul	96
13) Pentachlorophenol	16.92	266	5	0.00	ng/ul#	20
14) Phenanthrene	17.21	178	12931	0.00	ng/ul	98
15) Anthracene	17.21	178	12975	0.00	ng/ul	98
17) Fluoranthene	19.15	202	52423	0.01	ng/ul	93
19) Pyrene	19.51	202	37714	0.72	ng/ul	95
20) Benzo(a)anthracene	21.27	228	6979	0.15	ng/ul	94
21) Chrysene	21.32	228	5731	0.11	ng/ul	93
23) Benzo(b)fluoranthene	22.84	252	2654	0.00	ng/ul#	47
24) Benzo(k)fluoranthene	22.84	252	4134	0.00	ng/ul#	49
25) Benzo(a)pyrene	23.32	252	1055	0.00	ng/ul#	9
26) Indeno(1,2,3-cd)pyrene	25.53	276	991	0.00	ng/ul#	31
27) Dibenzo(a,h)anthracene	25.63	278	1199	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.31	276	8	0.00	ng/ul#	1

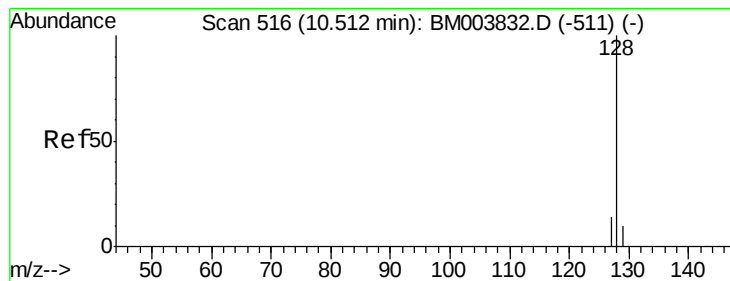
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 11.00 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.00 min

Lab File: BM003839.D

Acq: 28 Dec 2015 21:34

Instrument :

BNA_G

ClientSampleId :

D9N68

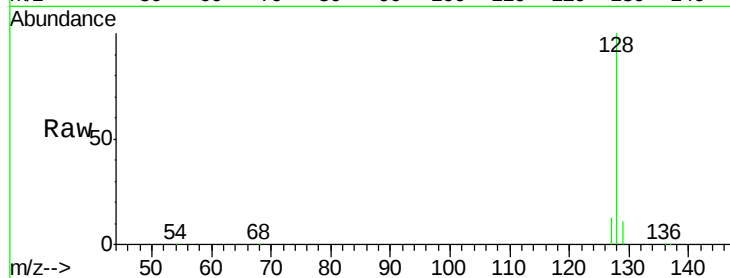
Tgt Ion:128 Resp: 404591

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

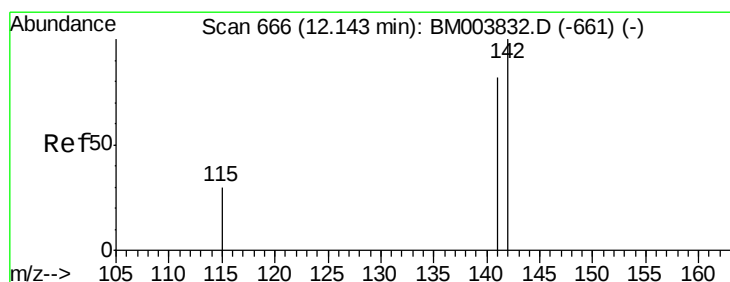
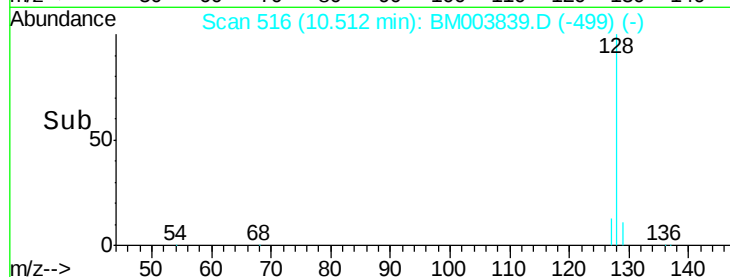
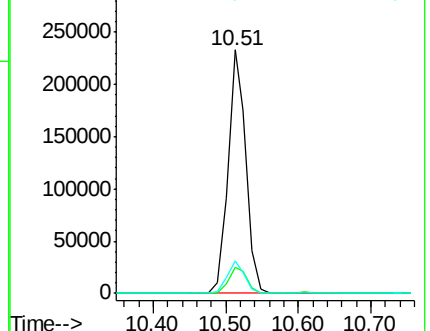
127 13.3 9.6 14.4



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: 1.96 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.01 min

Lab File: BM003839.D

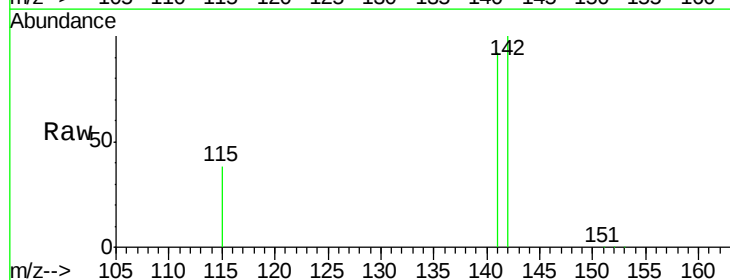
Acq: 28 Dec 2015 21:34

Tgt Ion:142 Resp: 48476

Ion Ratio Lower Upper

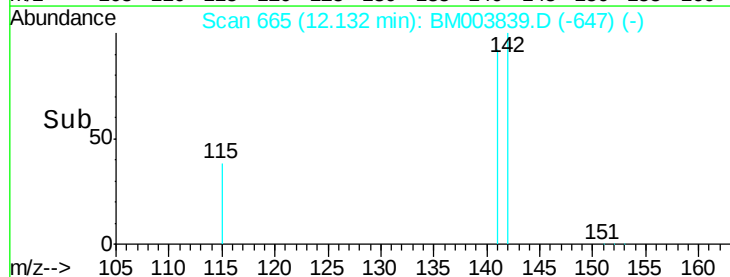
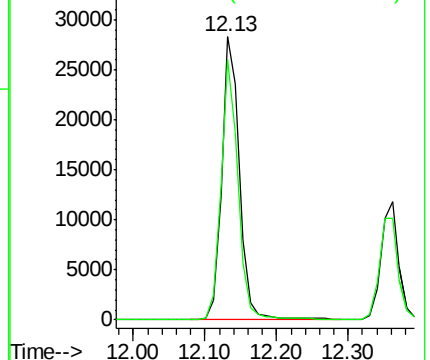
142 100

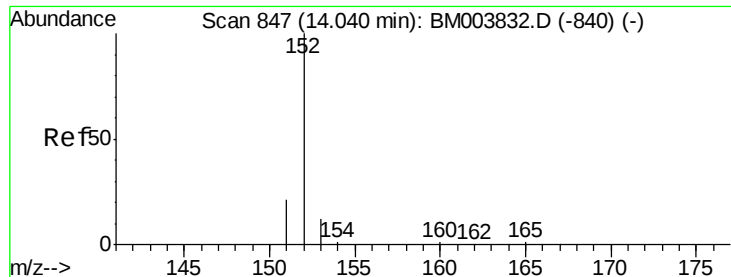
141 88.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM003839.D

Acq: 28 Dec 2015 21:34

Instrument :

BNA_G

ClientSampleId :

D9N68

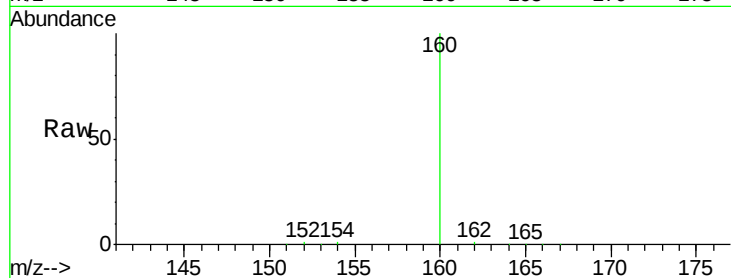
Tgt Ion:152 Resp: 1239

Ion Ratio Lower Upper

152 100

151 27.8 17.6 26.4#

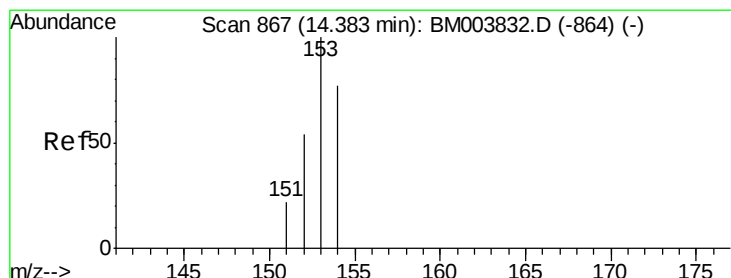
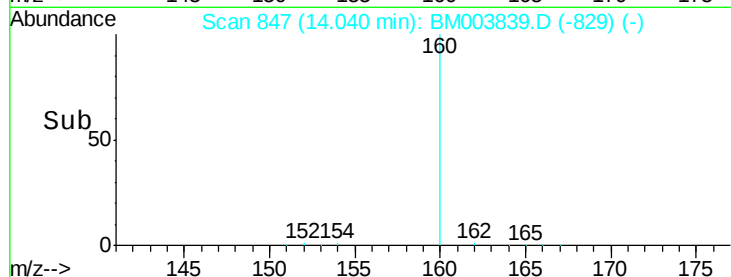
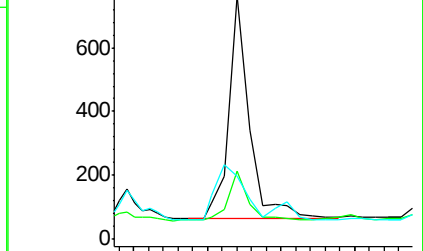
153 25.9 9.7 14.5#



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: 0.86 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM003839.D

Acq: 28 Dec 2015 21:34

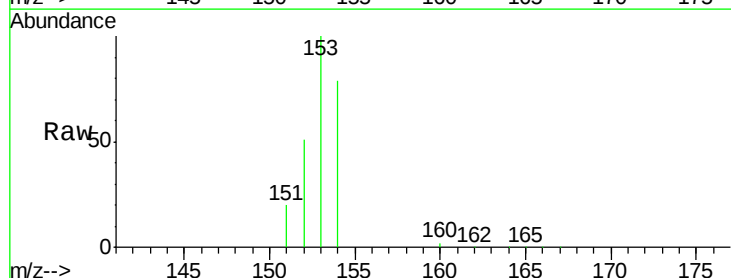
Tgt Ion:153 Resp: 27193

Ion Ratio Lower Upper

153 100

152 51.3 33.9 50.9#

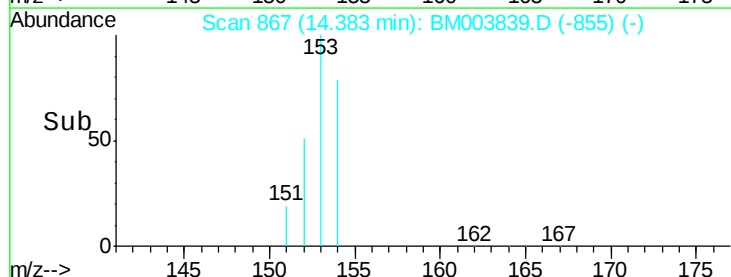
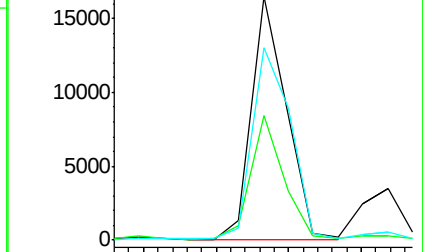
154 79.2 80.6 121.0#

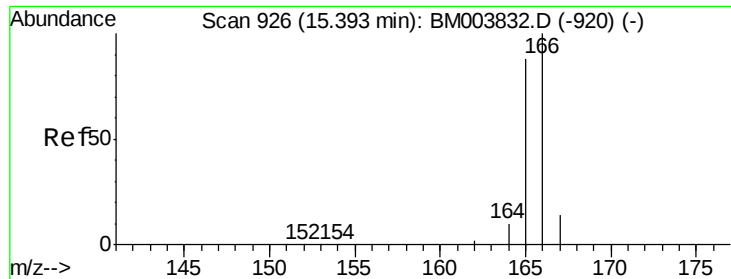


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

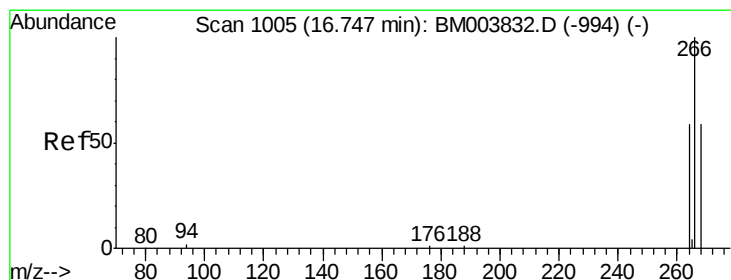
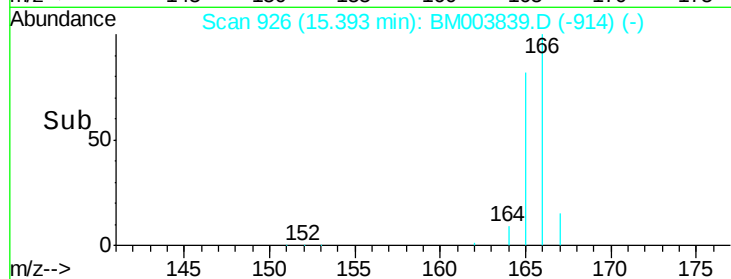
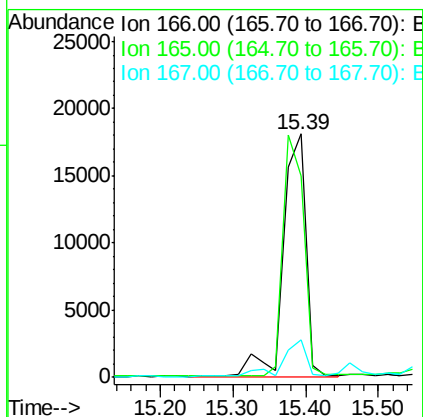
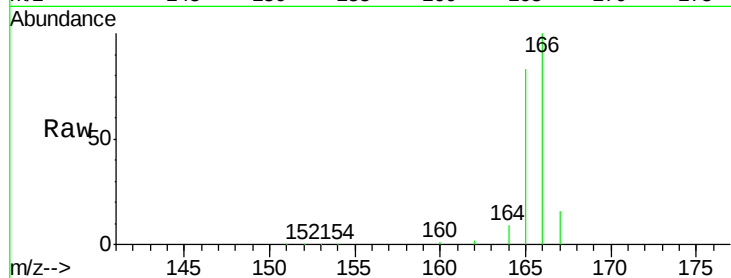




#11
 Fluorene
 Concen: 1.11 ng/ul
 RT: 15.39 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BM003839.D
 Acq: 28 Dec 2015 21:34

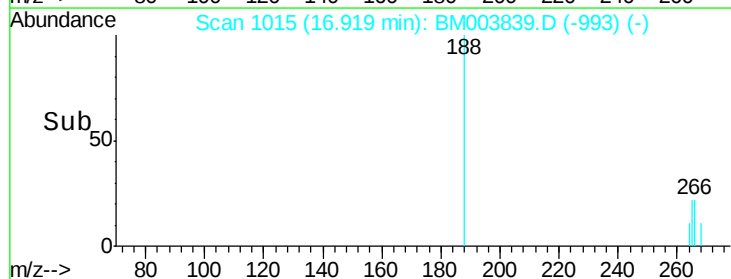
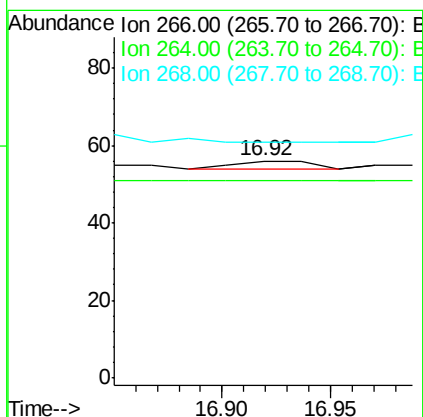
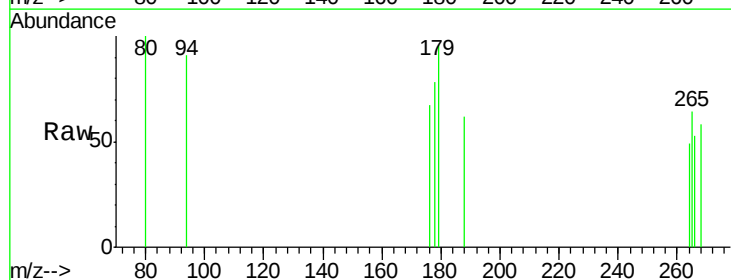
Instrument :
 BNA_G
 ClientSampleId :
 D9N68

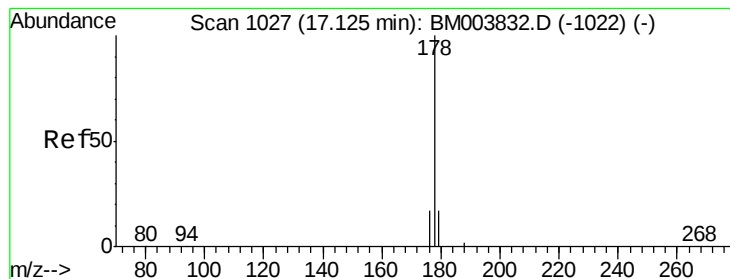
Tgt Ion:166 Resp: 39028
 Ion Ratio Lower Upper
 166 100
 165 82.6 69.6 104.4
 167 15.6 11.9 17.9



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.92 min Scan# 1015
 Delta R.T. 0.17 min
 Lab File: BM003839.D
 Acq: 28 Dec 2015 21:34

Tgt Ion:266 Resp: 5
 Ion Ratio Lower Upper
 266 100
 264 0.0 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: BM003839.D

Acq: 28 Dec 2015 21:34

Instrument :

BNA_G

ClientSampleId :

D9N68

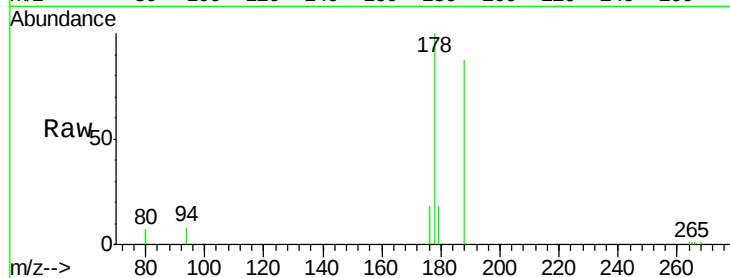
Tgt Ion:178 Resp: 12931

Ion Ratio Lower Upper

178 100

176 17.9 13.0 19.4

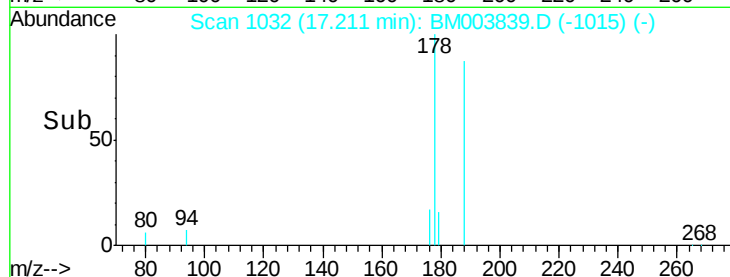
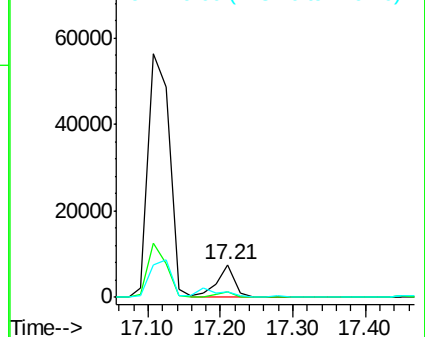
179 17.6 14.2 21.2



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: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM003839.D

Acq: 28 Dec 2015 21:34

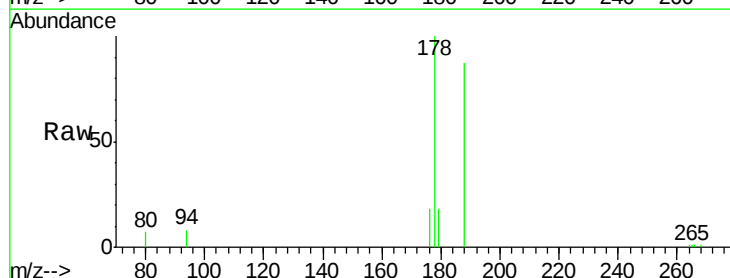
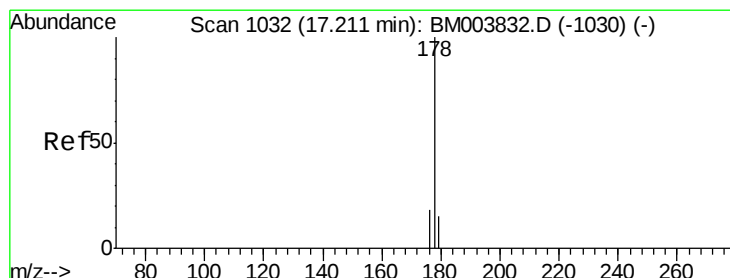
Tgt Ion:178 Resp: 12975

Ion Ratio Lower Upper

178 100

176 17.9 14.0 21.0

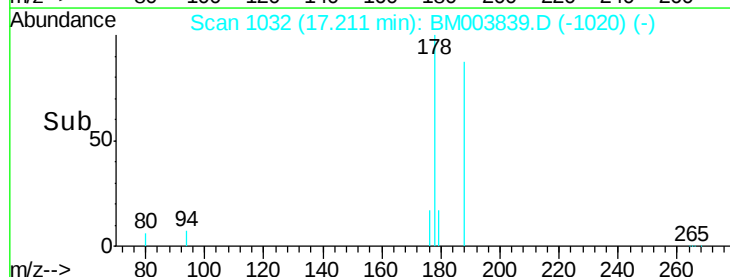
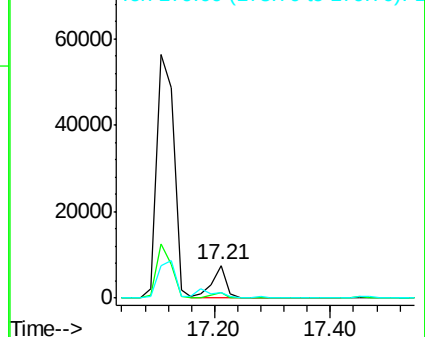
179 17.6 12.9 19.3

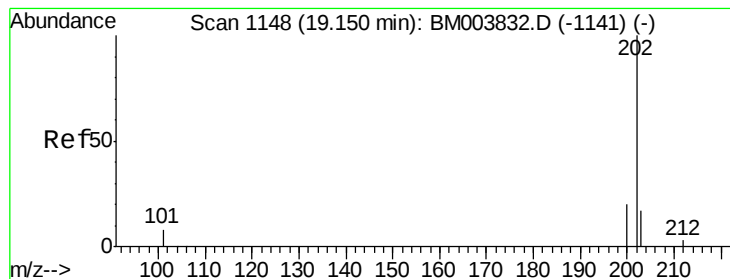


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.01 ng/ul

RT: 19.15 min Scan# 1148

Delta R.T. -0.00 min

Lab File: BM003839.D

Acq: 28 Dec 2015 21:34

Instrument :

BNA_G

ClientSampleId :

D9N68

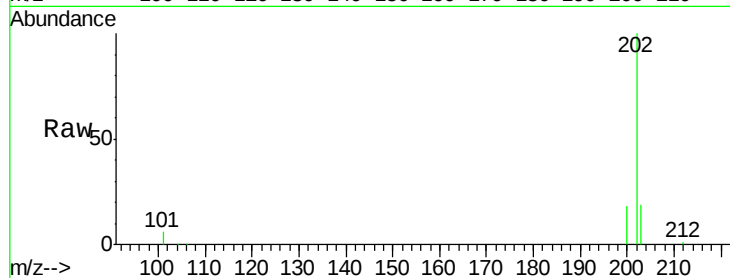
Tgt Ion:202 Resp: 52423

Ion Ratio Lower Upper

202 100

101 6.0 0.0 29.6

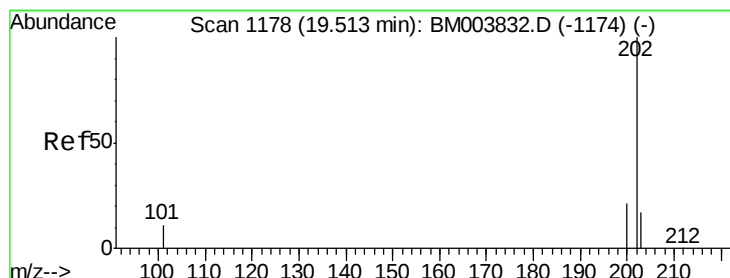
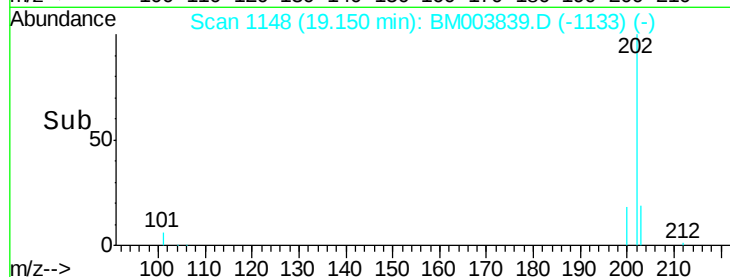
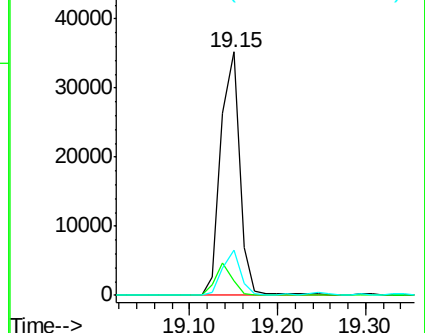
203 18.8 0.0 36.3



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: 0.72 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. -0.00 min

Lab File: BM003839.D

Acq: 28 Dec 2015 21:34

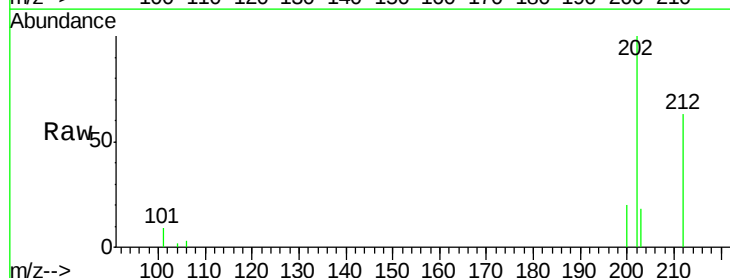
Tgt Ion:202 Resp: 37714

Ion Ratio Lower Upper

202 100

200 20.1 17.8 26.8

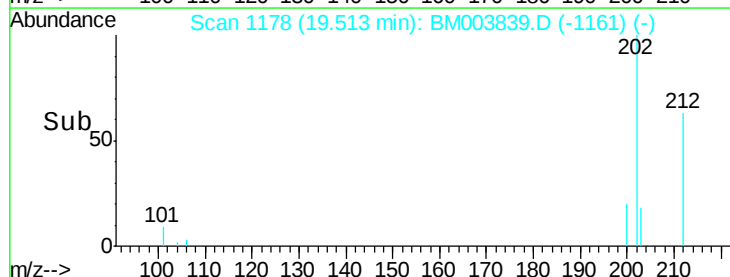
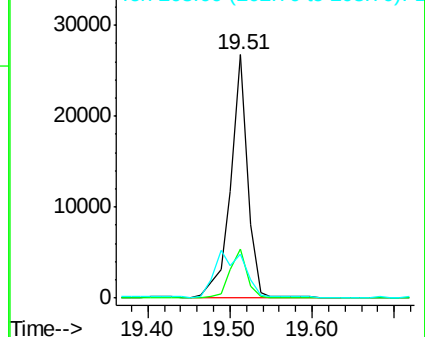
203 18.3 12.8 19.2

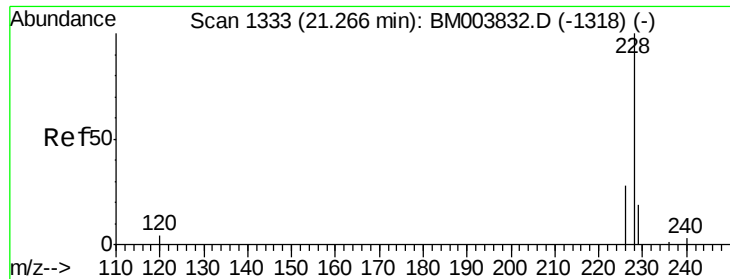


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.15 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM003839.D

Acq: 28 Dec 2015 21:34

Instrument :

BNA_G

ClientSampleId :

D9N68

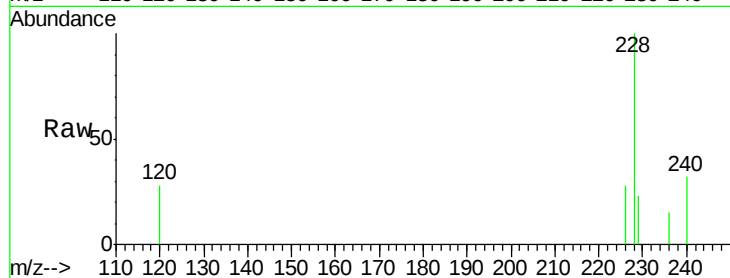
Tgt Ion:228 Resp: 6979

Ion Ratio Lower Upper

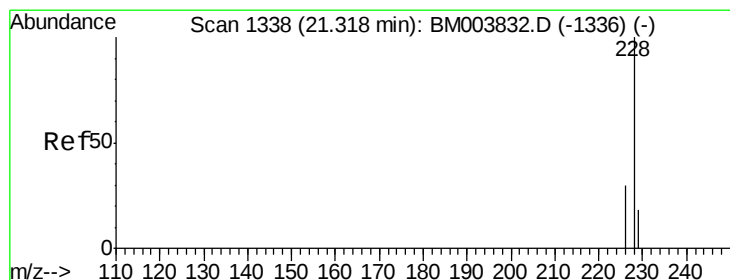
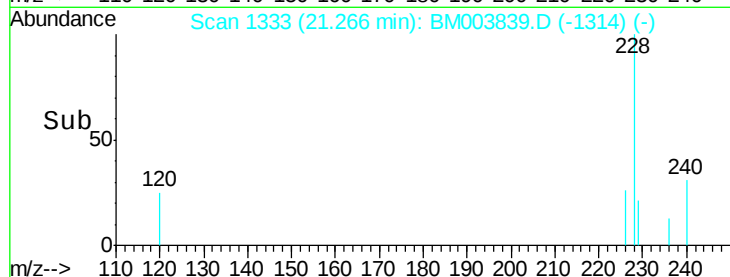
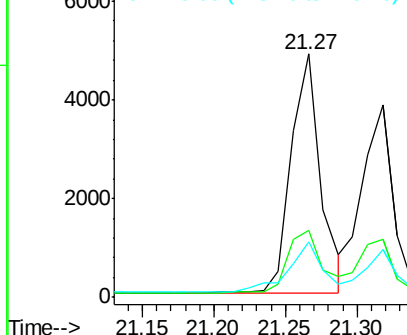
228 100

226 27.7 18.8 28.2

229 22.6 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: 0.11 ng/ul

RT: 21.32 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BM003839.D

Acq: 28 Dec 2015 21:34

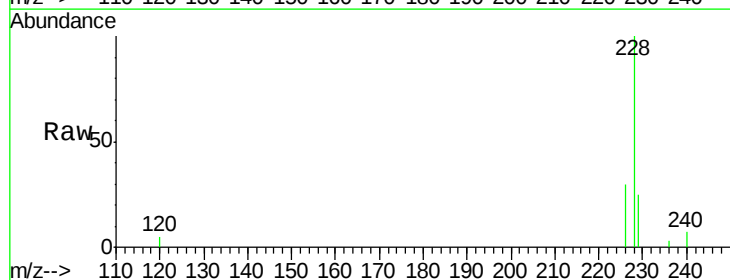
Tgt Ion:228 Resp: 5731

Ion Ratio Lower Upper

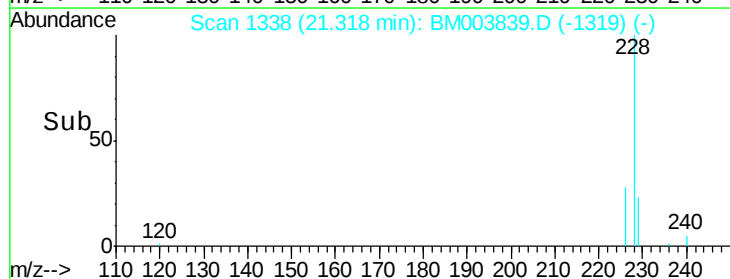
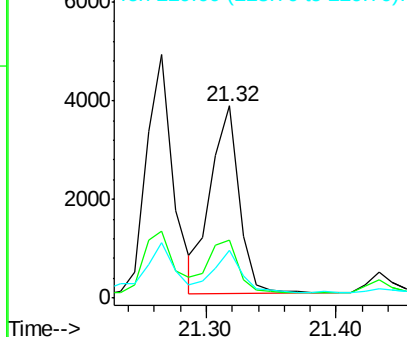
228 100

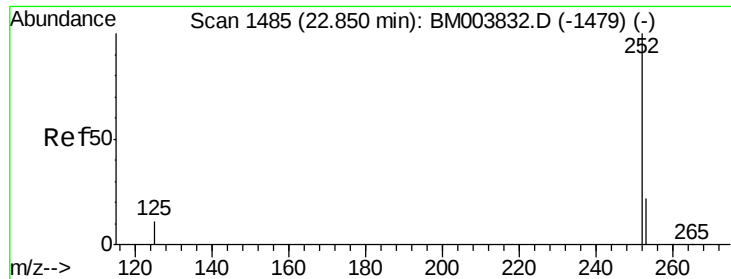
226 30.0 21.2 31.8

229 24.9 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/u1

RT: 22.84 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BM003839.D

Acq: 28 Dec 2015 21:34

Instrument :

BNA_G

ClientSampleId :

D9N68

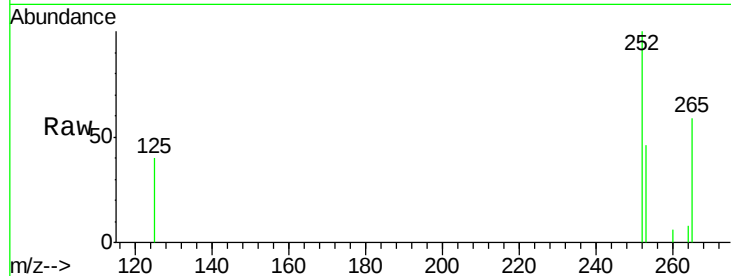
Tgt Ion:252 Resp: 2654

Ion Ratio Lower Upper

252 100

253 45.8 0.0 45.4#

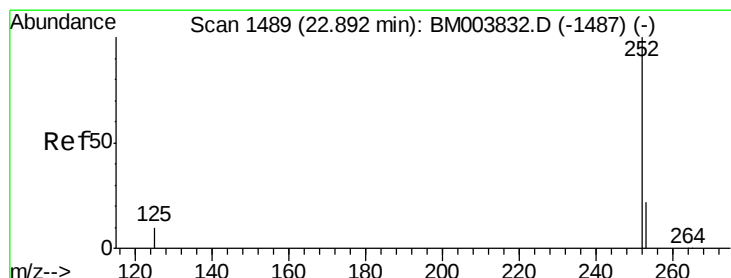
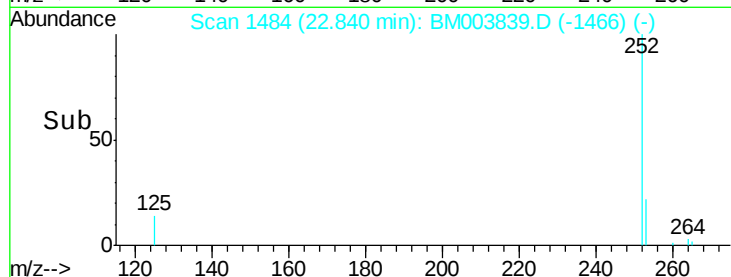
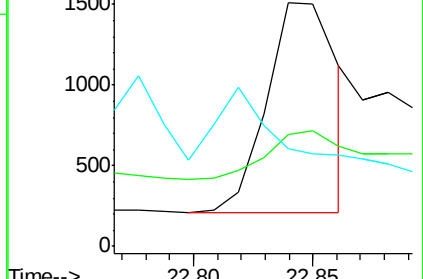
125 39.9 0.0 28.8#



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



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.84 min Scan# 1484

Delta R.T. -0.05 min

Lab File: BM003839.D

Acq: 28 Dec 2015 21:34

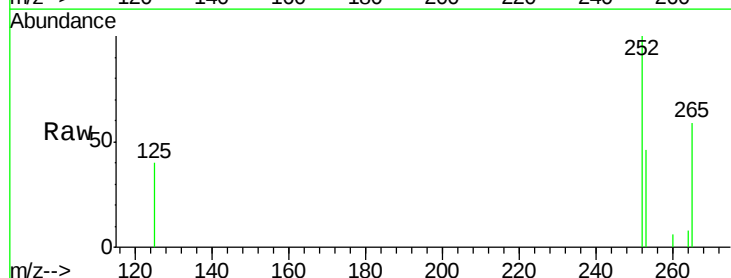
Tgt Ion:252 Resp: 4134

Ion Ratio Lower Upper

252 100

253 45.8 19.8 29.8#

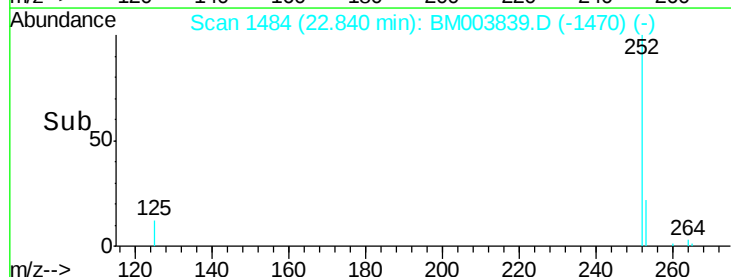
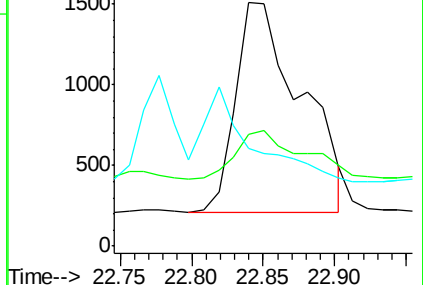
125 39.9 10.4 15.6#

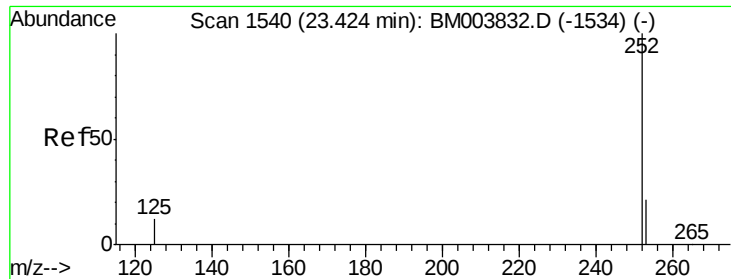


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.32 min Scan# 1530

Delta R.T. -0.10 min

Lab File: BM003839.D

Acq: 28 Dec 2015 21:34

Instrument :

BNA_G

ClientSampleId :

D9N68

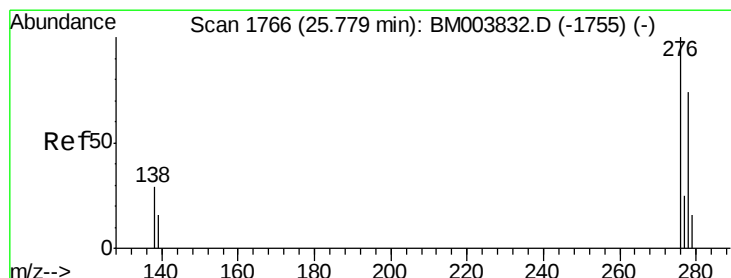
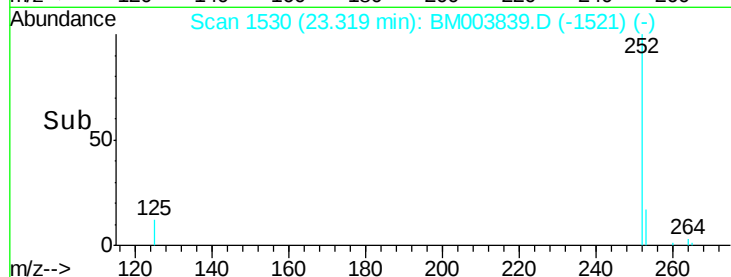
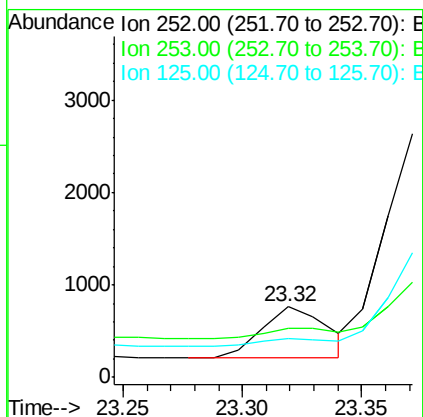
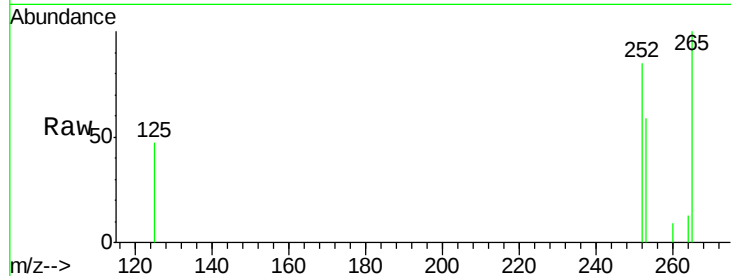
Tgt Ion:252 Resp: 1055

Ion Ratio Lower Upper

252 100

253 69.5 19.4 29.2#

125 54.8 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/u1

RT: 25.53 min Scan# 1742

Delta R.T. -0.25 min

Lab File: BM003839.D

Acq: 28 Dec 2015 21:34

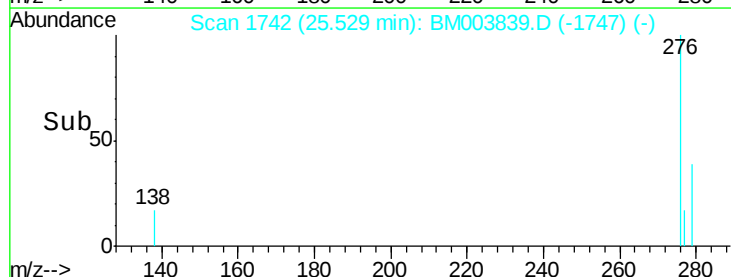
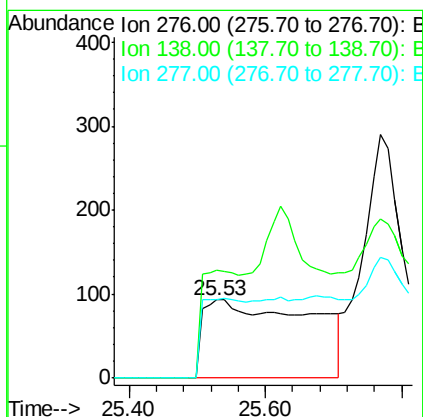
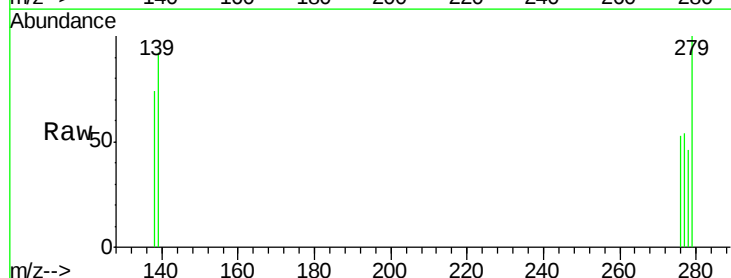
Tgt Ion:276 Resp: 991

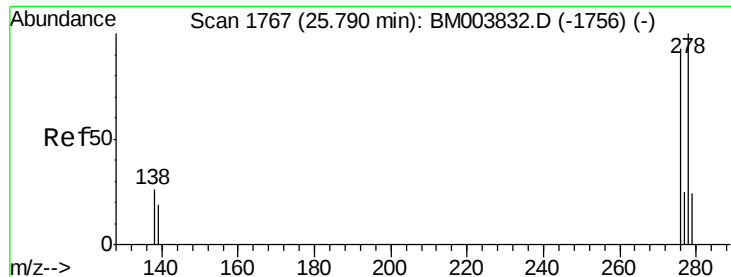
Ion Ratio Lower Upper

276 100

138 63.3 16.3 24.5#

277 0.0 19.8 29.8#





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.63 min Scan# 1752

Delta R.T. -0.16 min

Lab File: BM003839.D

Acq: 28 Dec 2015 21:34

Instrument :

BNA_G

ClientSampleId :

D9N68

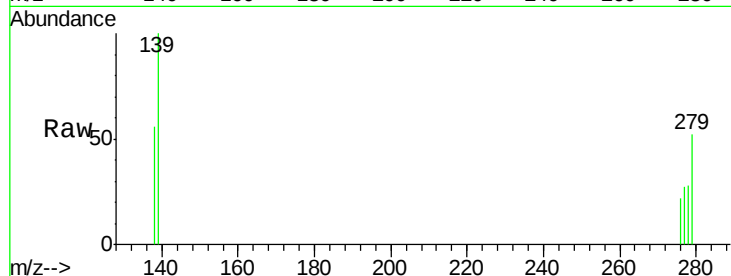
Tgt Ion:278 Resp: 1199

Ion Ratio Lower Upper

278 100

139 356.8 16.4 24.6#

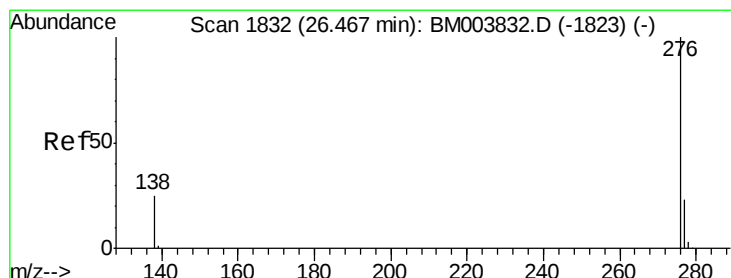
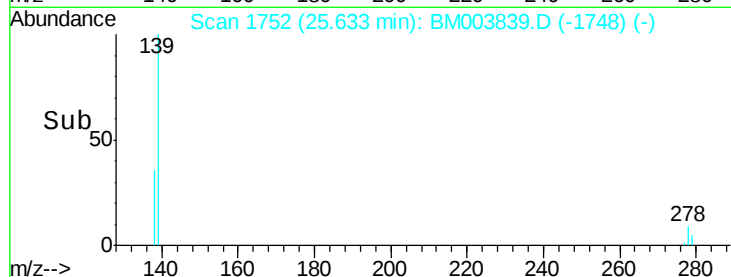
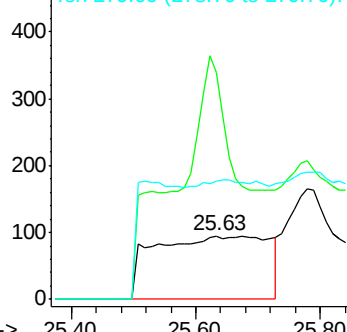
279 185.3 20.2 30.2#



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: 26.31 min Scan# 1817

Delta R.T. -0.16 min

Lab File: BM003839.D

Acq: 28 Dec 2015 21:34

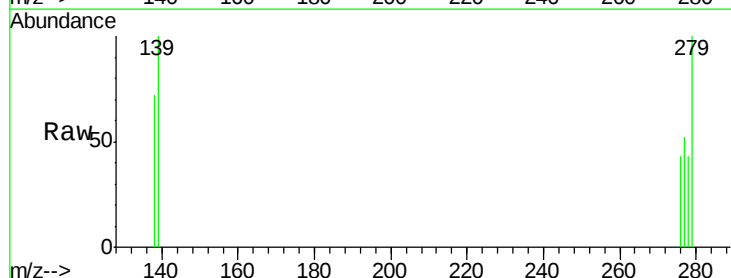
Tgt Ion:276 Resp: 8

Ion Ratio Lower Upper

276 100

277 121.6 18.9 28.3#

138 168.9 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

