

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003841.D
 Acq On : 28 Dec 2015 22:45
 Operator : SJ/UM
 Sample : G4848-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N47

Quant Time: Dec 29 07:15:11 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	3943	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	17334	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.33	164	10612	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.18	188	1593940	0.40	ng/ul	0.10
18) Chrysene-d12	21.28	240	19790	0.40	ng/ul	0.00
22) Perylene-d12	23.38	264	1245129	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	19410	11.52	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.07	152	7848	0.38	ng/ul	0.00
16) Fluoranthene-d10	19.37	212	886	0.00	ng/ul	0.25

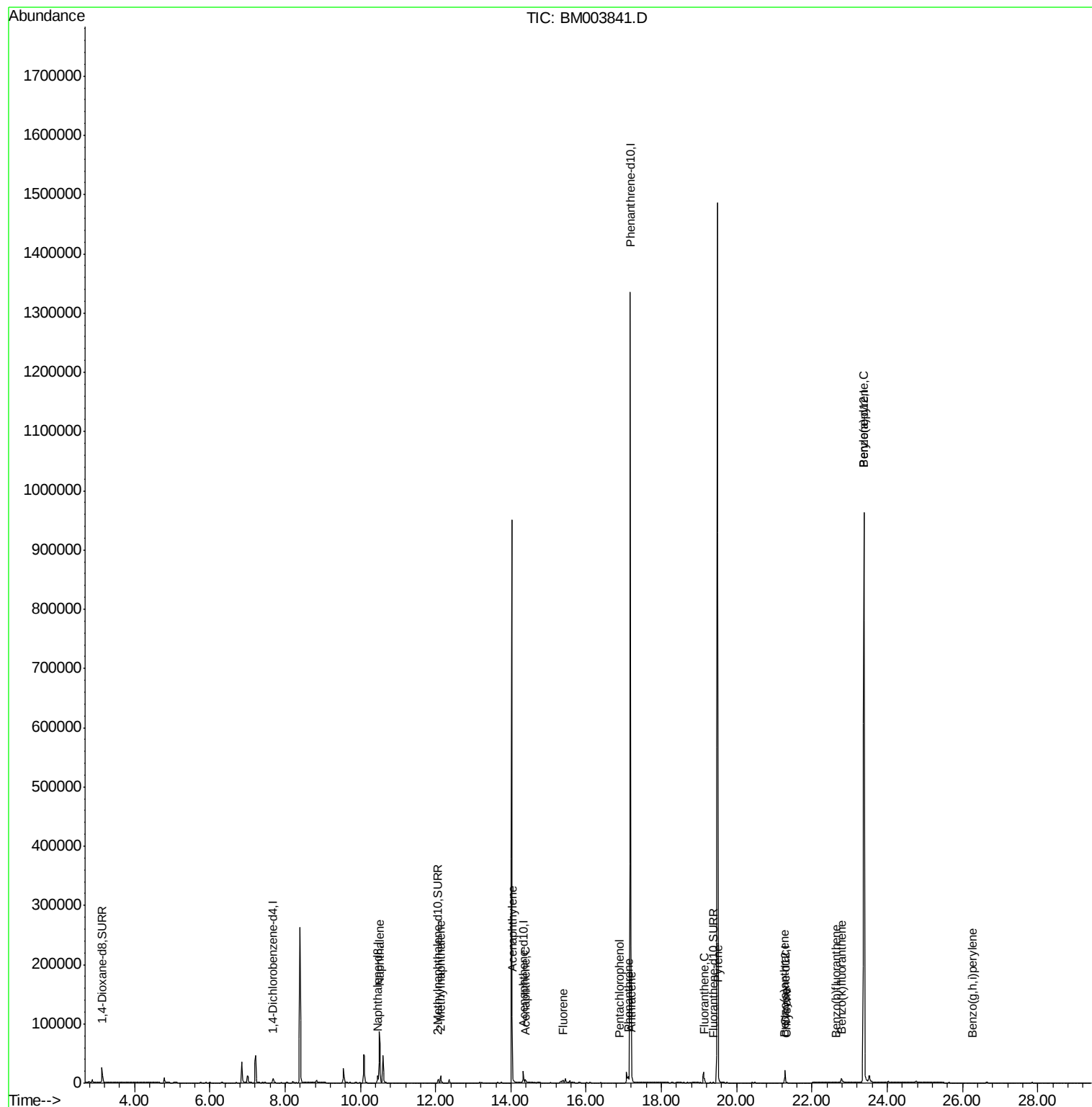
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.51	128	121053	3.10	ng/ul	97
7) 2-Methylnaphthalene	12.13	142	10122	0.39	ng/ul	100
9) Acenaphthylene	14.04	152	571	0.01	ng/ul#	61
10) Acenaphthene	14.38	153	3813	0.12	ng/ul#	80
11) Fluorene	15.39	166	4143	0.11	ng/ul	98
13) Pentachlorophenol	16.88	266	6	0.00	ng/ul#	20
14) Phenanthrene	17.12	178	16412	0.00	ng/ul	99
15) Anthracene	17.21	178	2518	0.00	ng/ul#	86
17) Fluoranthene	19.14	202	6051	0.00	ng/ul	95
19) Pyrene	19.51	202	6942	0.13	ng/ul#	83
20) Benzo(a)anthracene	21.26	228	850	0.02	ng/ul#	73
21) Chrysene	21.31	228	690	0.01	ng/ul#	72
23) Benzo(b)fluoranthene	22.65	252	18	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.78	252	44	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.38	252	5066	0.00	ng/ul#	49
28) Benzo(g,h,i)perylene	26.28	276	4	0.00	ng/ul#	1

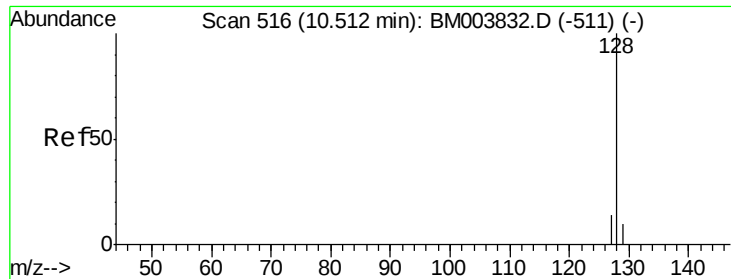
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 3.10 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.00 min

Lab File: BM003841.D

Acq: 28 Dec 2015 22:45

Instrument :

BNA_M

ClientSampleId :

D9N47

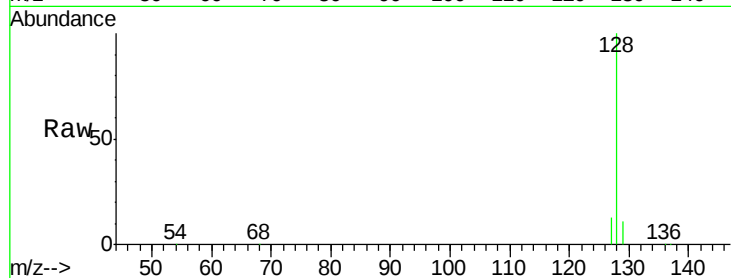
Tgt Ion:128 Resp: 121053

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

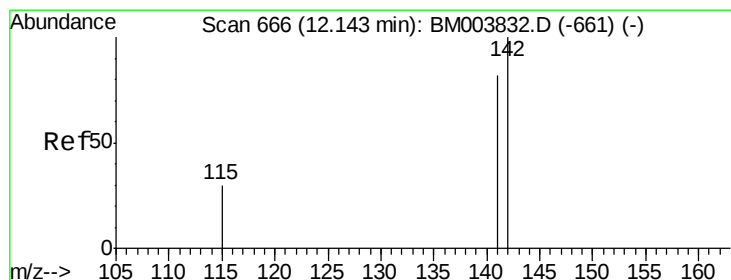
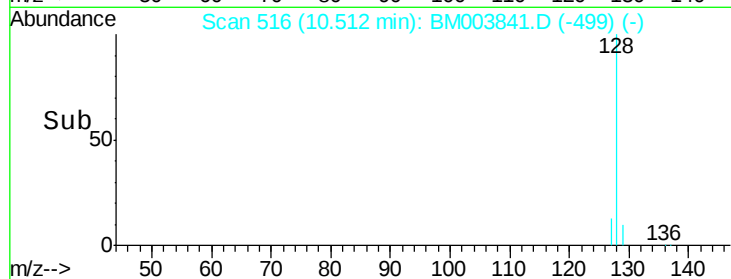
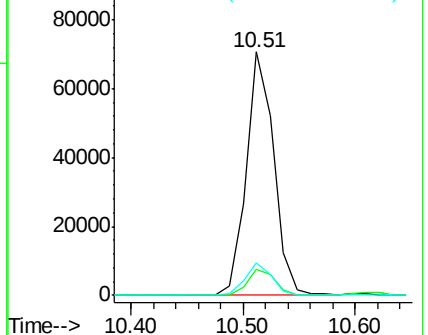
127 13.3 9.6 14.4



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: 0.39 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.01 min

Lab File: BM003841.D

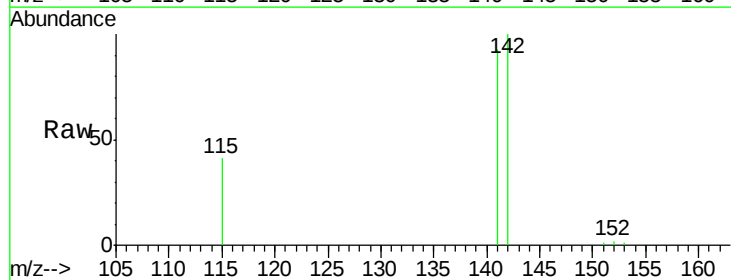
Acq: 28 Dec 2015 22:45

Tgt Ion:142 Resp: 10122

Ion Ratio Lower Upper

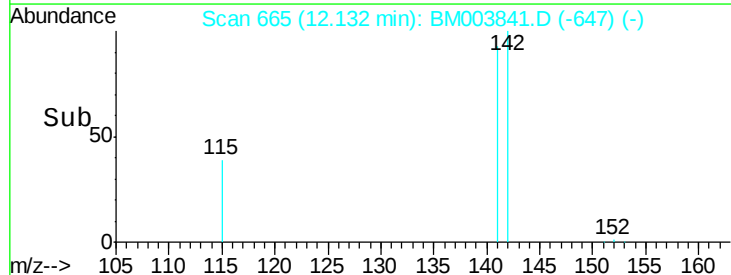
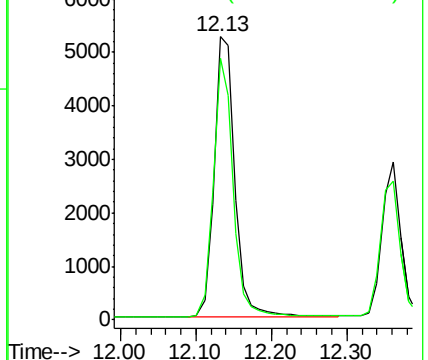
142 100

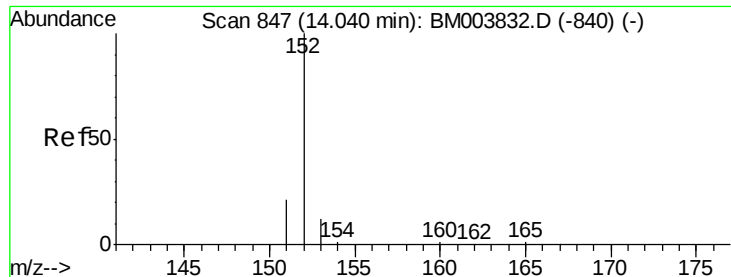
141 88.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM003841.D

Acq: 28 Dec 2015 22:45

Instrument :

BNA_M

ClientSampleId :

D9N47

Tgt Ion:152 Resp: 571

Ion Ratio Lower Upper

152 100

151 36.2 17.6 26.4#

153 34.2 9.7 14.5#

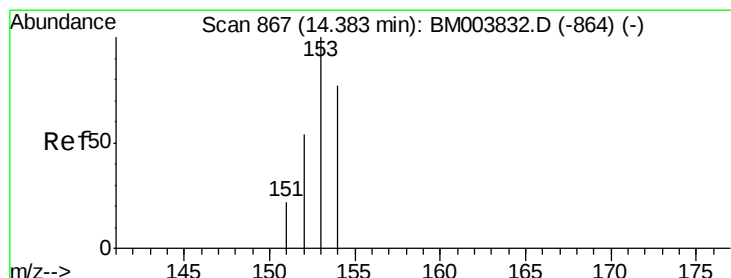
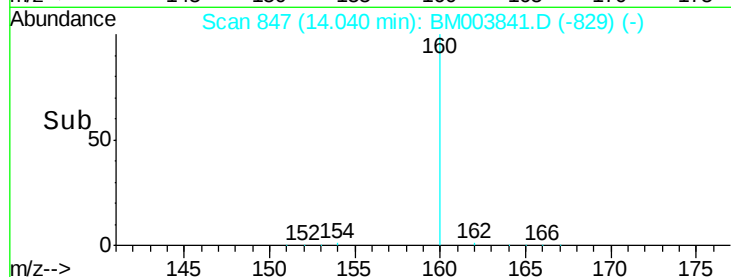
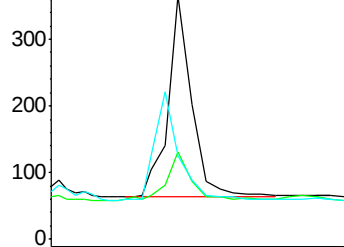


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.04



#10

Acenaphthene

Concen: 0.12 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM003841.D

Acq: 28 Dec 2015 22:45

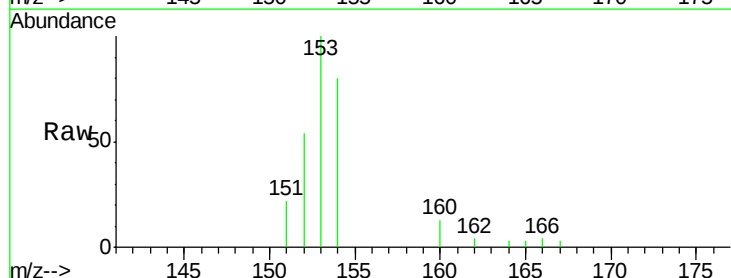
Tgt Ion:153 Resp: 3813

Ion Ratio Lower Upper

153 100

152 53.9 33.9 50.9#

154 79.7 80.6 121.0#

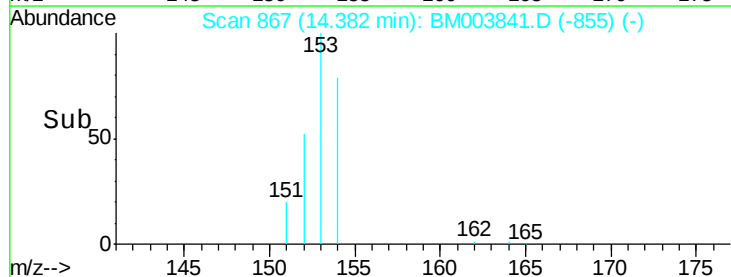
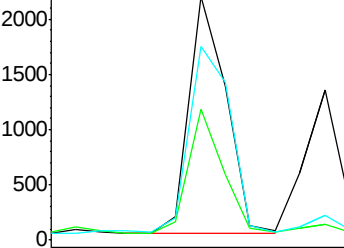


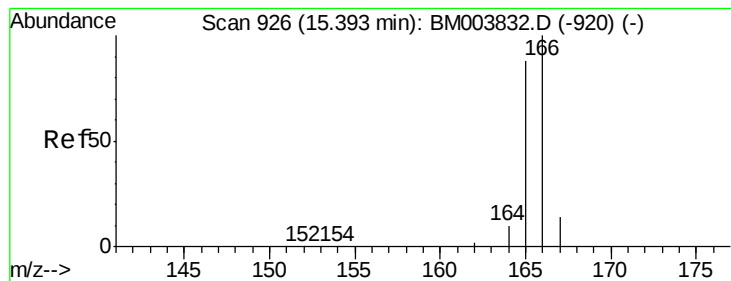
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

14.38





#11

Fluorene

Concen: 0.11 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. -0.00 min

Lab File: BM003841.D

Acq: 28 Dec 2015 22:45

Instrument :

BNA_M

ClientSampleId :

D9N47

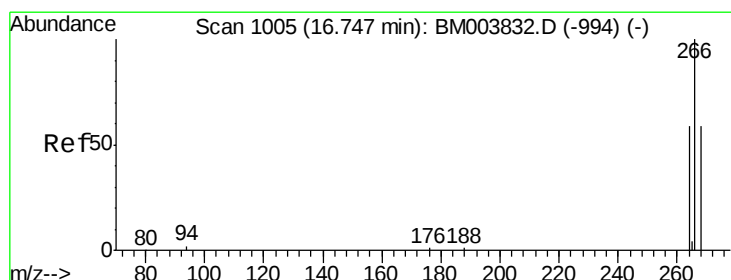
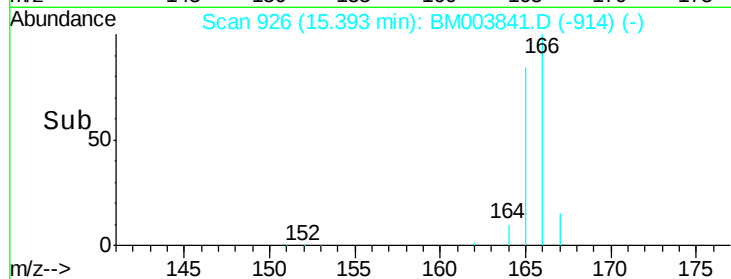
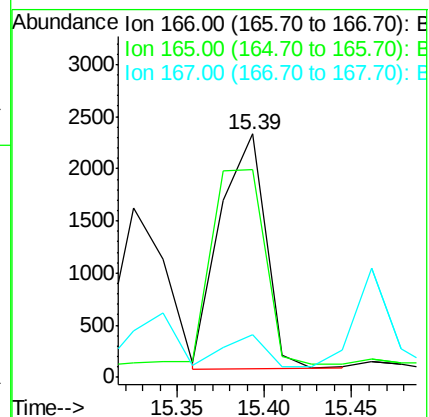
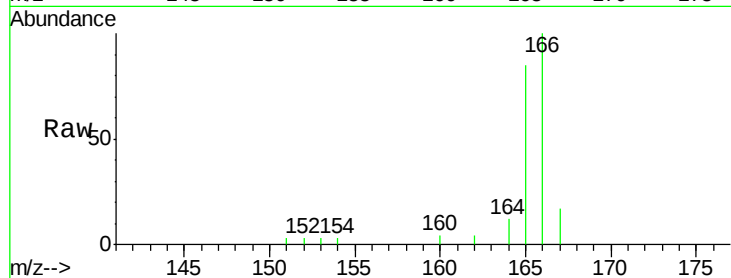
Tgt Ion:166 Resp: 4143

Ion Ratio Lower Upper

166 100

165 85.4 69.6 104.4

167 17.3 11.9 17.9



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.88 min Scan# 1013

Delta R.T. 0.14 min

Lab File: BM003841.D

Acq: 28 Dec 2015 22:45

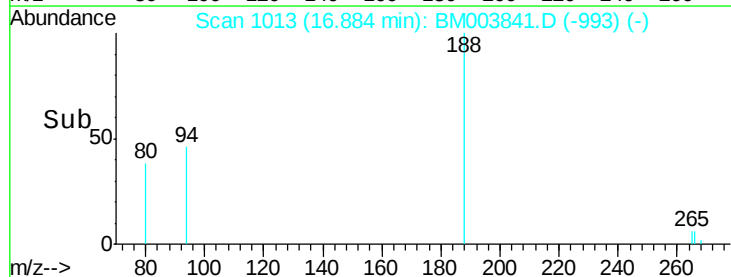
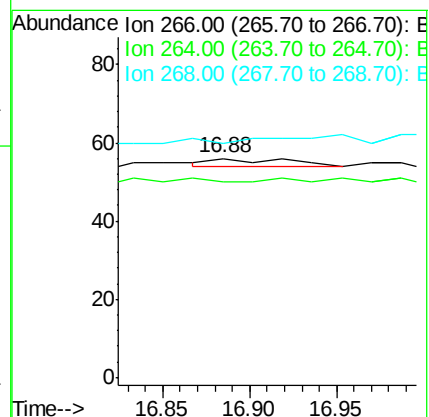
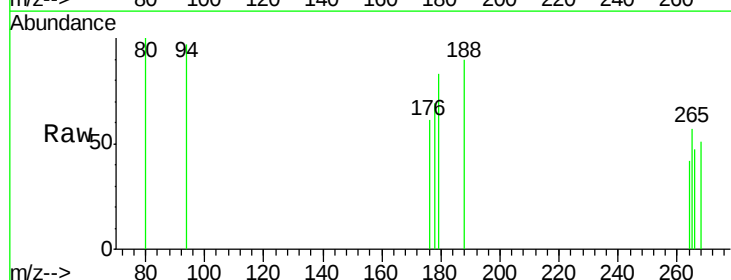
Tgt Ion:266 Resp: 6

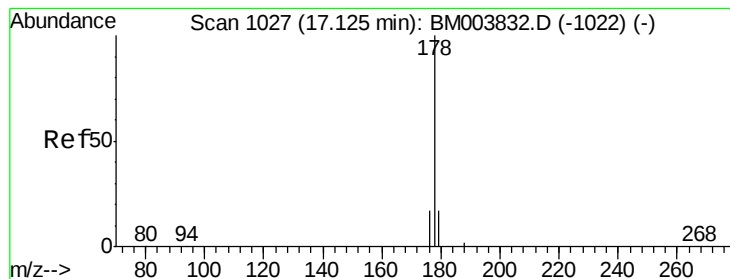
Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

268 0.0 46.8 70.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BM003841.D

Acq: 28 Dec 2015 22:45

Instrument :

BNA_M

ClientSampleId :

D9N47

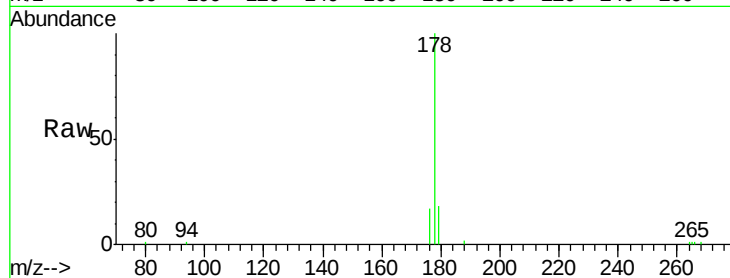
Tgt Ion:178 Resp: 16412

Ion Ratio Lower Upper

178 100

176 16.7 13.0 19.4

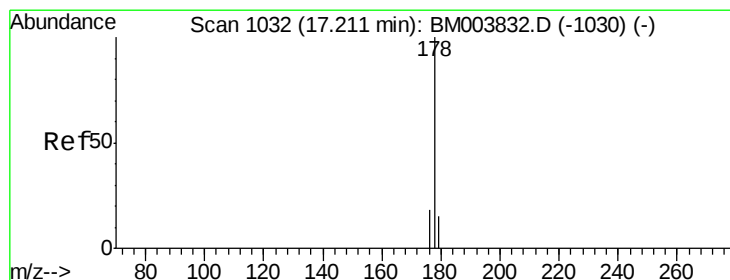
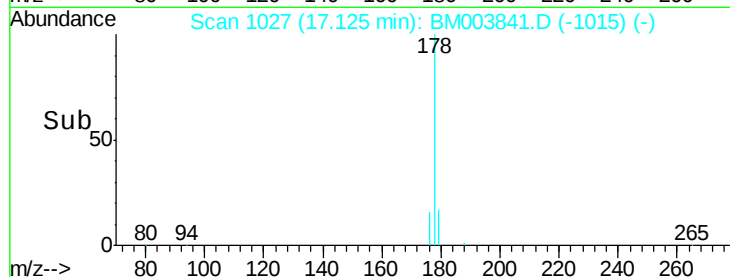
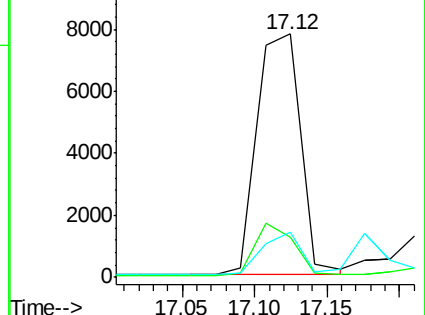
179 18.3 14.2 21.2



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: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM003841.D

Acq: 28 Dec 2015 22:45

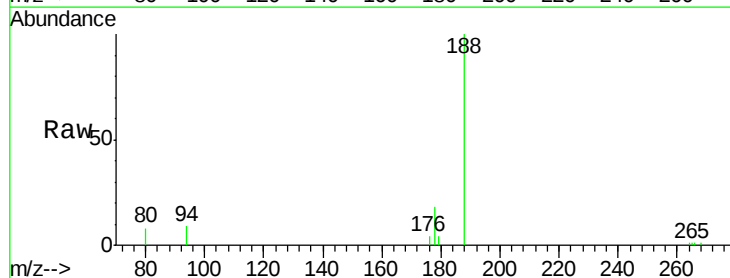
Tgt Ion:178 Resp: 2518

Ion Ratio Lower Upper

178 100

176 21.5 14.0 21.0#

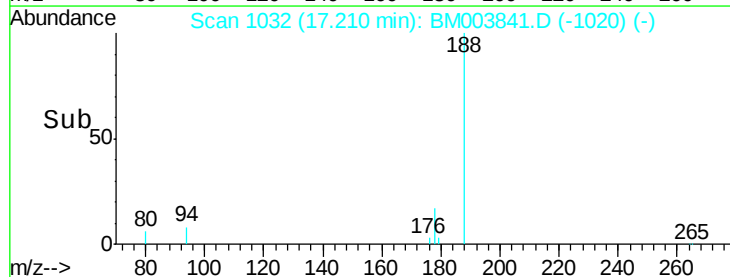
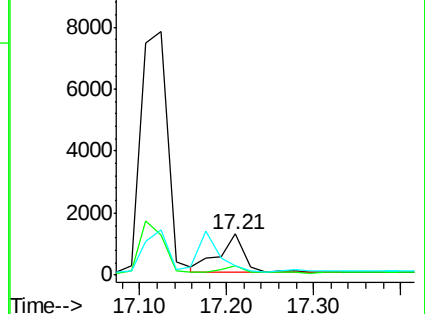
179 24.2 12.9 19.3#

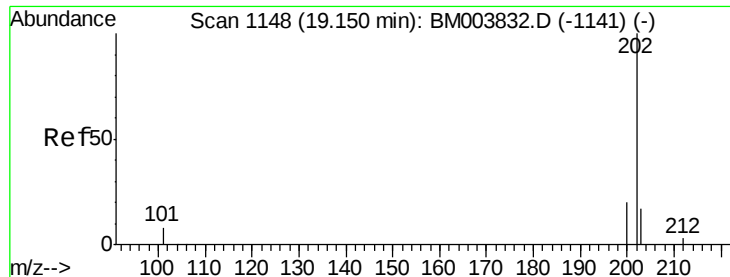


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.14 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BM003841.D

Acq: 28 Dec 2015 22:45

Instrument :

BNA_M

ClientSampleId :

D9N47

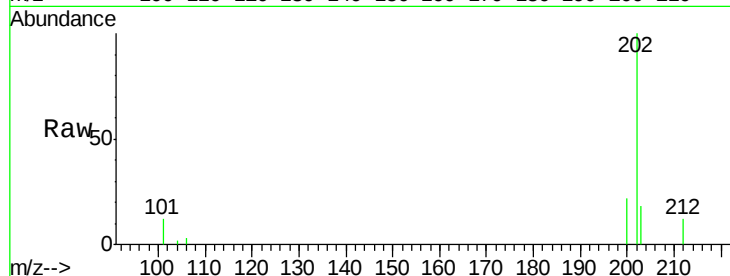
Tgt Ion:202 Resp: 6051

Ion Ratio Lower Upper

202 100

101 11.6 0.0 29.6

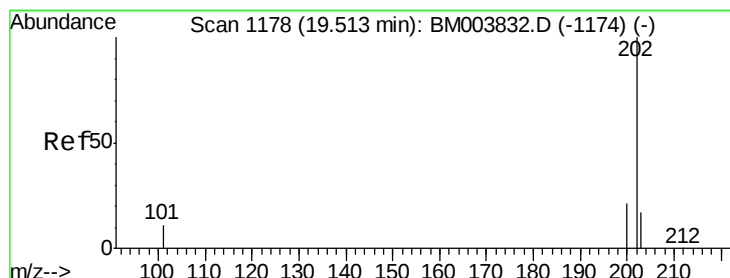
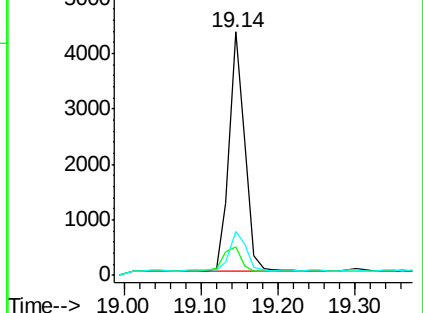
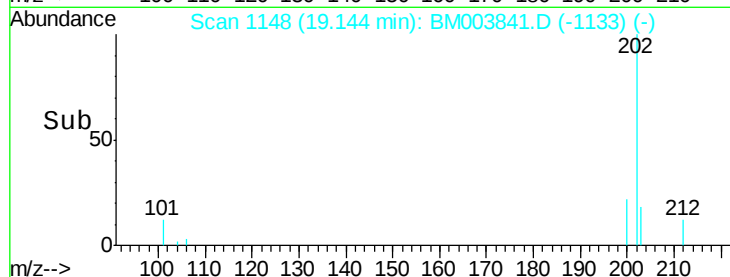
203 18.1 0.0 36.3



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: 0.13 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BM003841.D

Acq: 28 Dec 2015 22:45

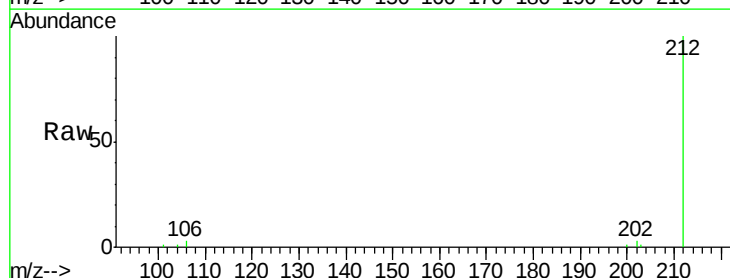
Tgt Ion:202 Resp: 6942

Ion Ratio Lower Upper

202 100

200 24.0 17.8 26.8

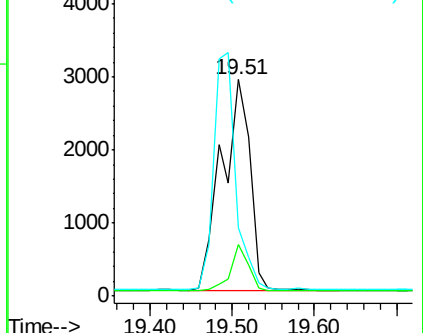
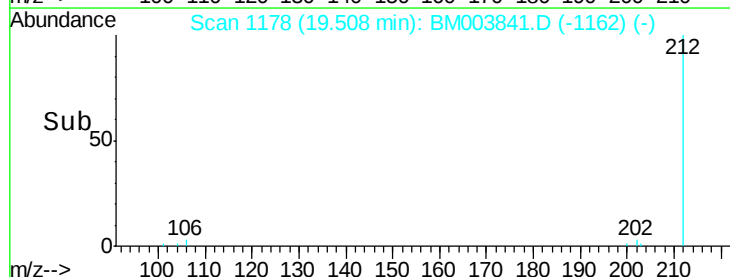
203 31.6 12.8 19.2#

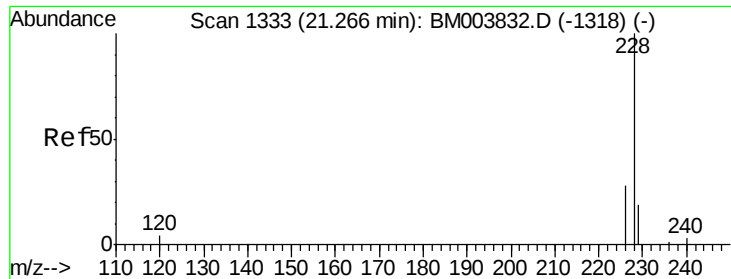


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM003841.D

Acq: 28 Dec 2015 22:45

Instrument :

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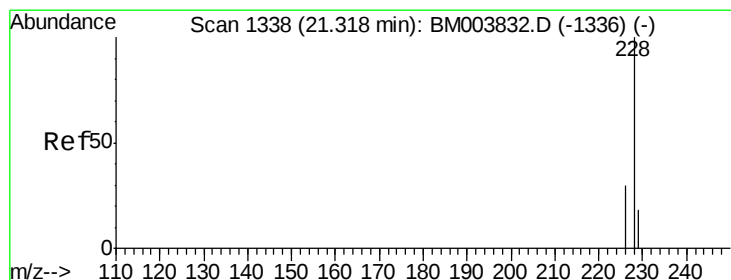
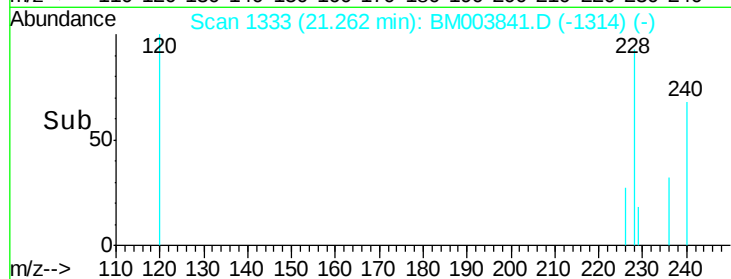
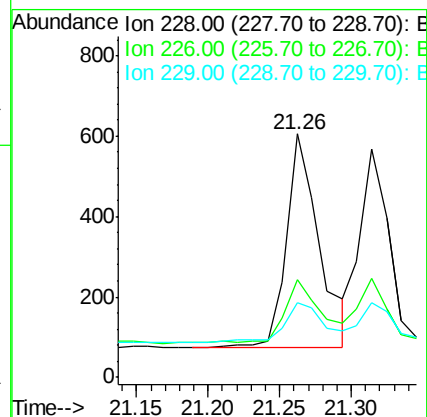
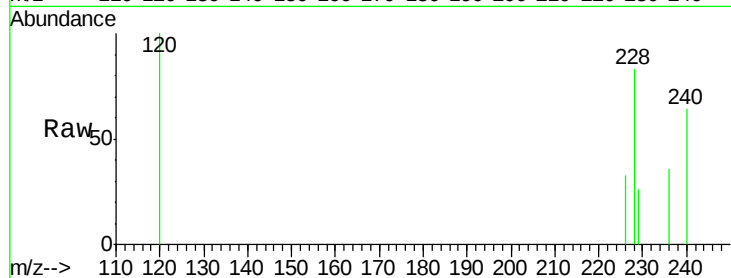
Tgt Ion:228 Resp: 850

Ion Ratio Lower Upper

228 100

226 39.9 18.8 28.2#

229 30.9 17.1 25.7#



#21

Chrysene

Concen: 0.01 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BM003841.D

Acq: 28 Dec 2015 22:45

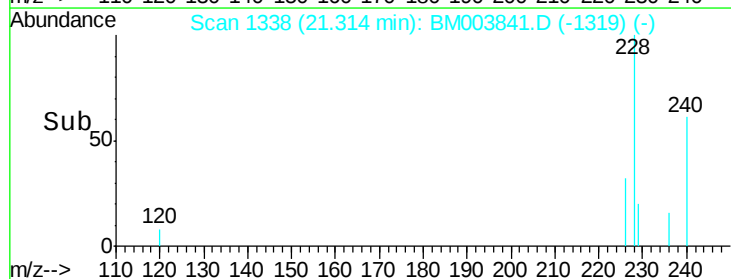
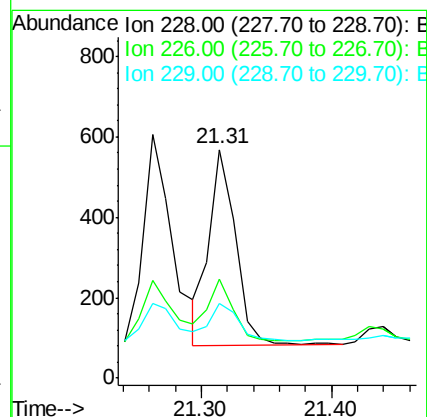
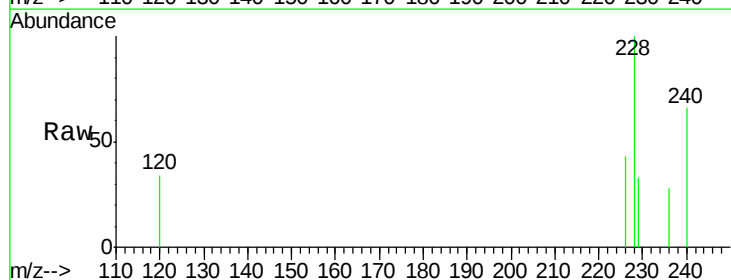
Tgt Ion:228 Resp: 690

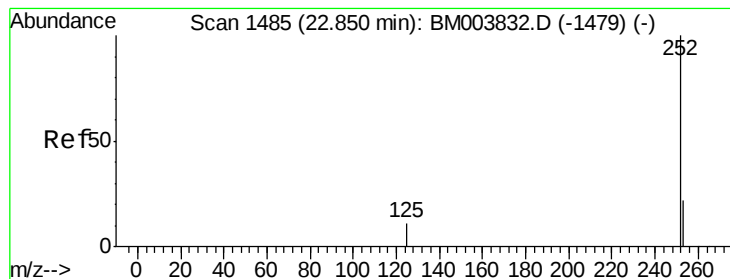
Ion Ratio Lower Upper

228 100

226 43.1 21.2 31.8#

229 32.5 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.65 min Scan# 1466

Delta R.T. -0.20 min

Lab File: BM003841.D

Acq: 28 Dec 2015 22:45

Instrument :

BNA_M

ClientSampleId :

D9N47

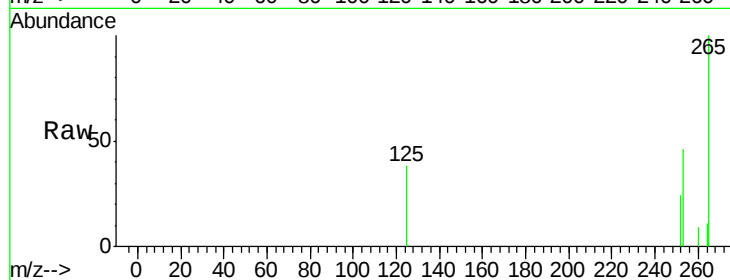
Tgt Ion:252 Resp: 18

Ion Ratio Lower Upper

252 100

253 192.2 0.0 45.4#

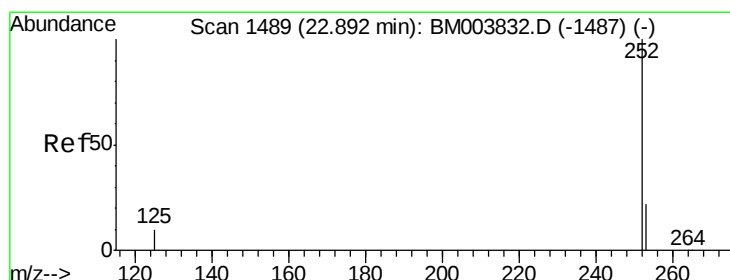
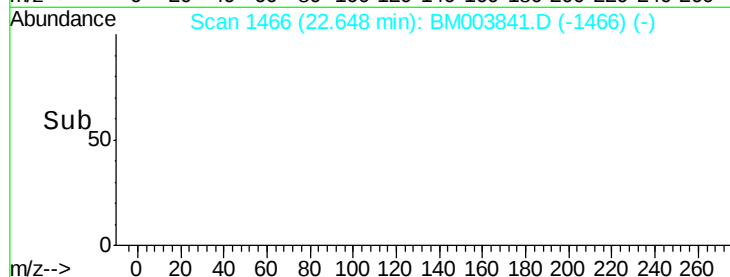
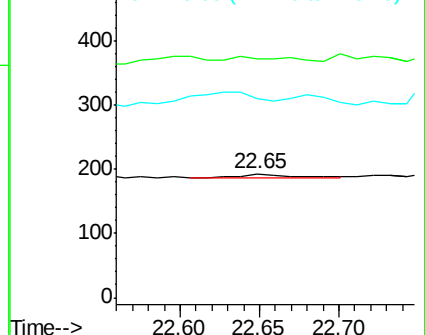
125 160.6 0.0 28.8#



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: 22.78 min Scan# 1479

Delta R.T. -0.11 min

Lab File: BM003841.D

Acq: 28 Dec 2015 22:45

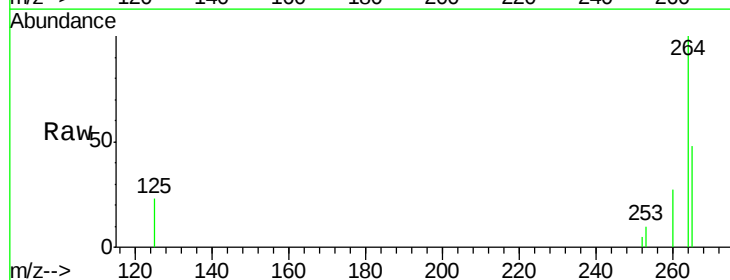
Tgt Ion:252 Resp: 44

Ion Ratio Lower Upper

252 100

253 185.8 19.8 29.8#

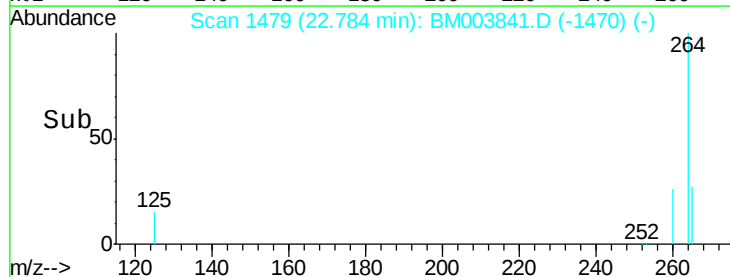
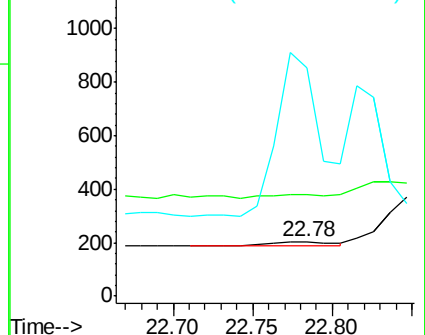
125 417.6 10.4 15.6#

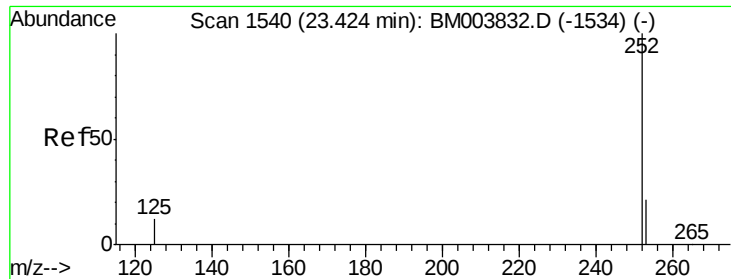


Abundance Ion 252.00 (251.70 to 252.70): E

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/ul

RT: 23.38 min Scan# 1536

Delta R.T. -0.05 min

Lab File: BM003841.D

Acq: 28 Dec 2015 22:45

Instrument :

BNA_M

ClientSampleId :

D9N47

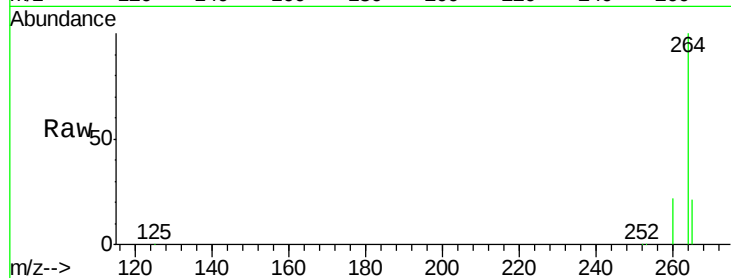
Tgt Ion: 252 Resp: 5066

Ion Ratio Lower Upper

252 100

253 39.2 19.4 29.2#

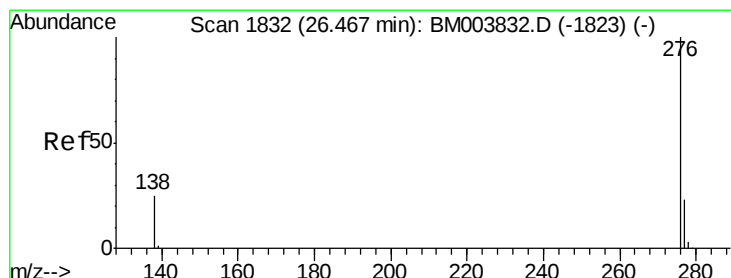
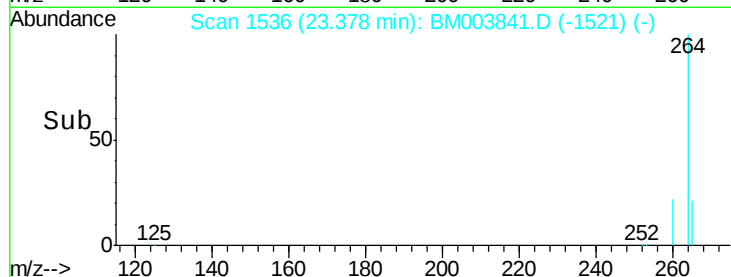
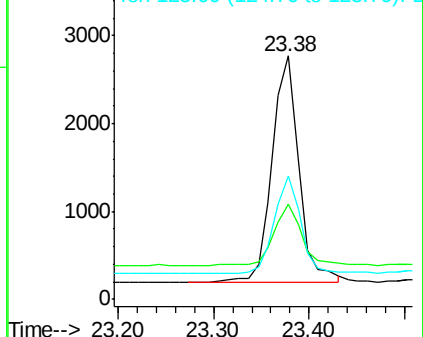
125 50.6 12.7 19.1#



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: 26.28 min Scan# 1814

Delta R.T. -0.19 min

Lab File: BM003841.D

Acq: 28 Dec 2015 22:45

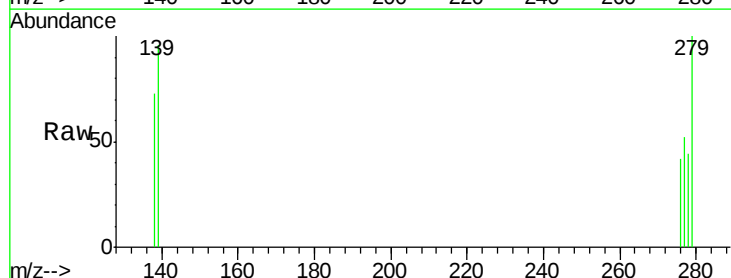
Tgt Ion: 276 Resp: 4

Ion Ratio Lower Upper

276 100

277 121.7 18.9 28.3#

138 172.5 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

