

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121615\
 Data File : BM003587.D
 Acq On : 16 Dec 2015 20:54
 Operator : UM/IZ
 Sample : G4767-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N33

Quant Time: Dec 17 03:02:02 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

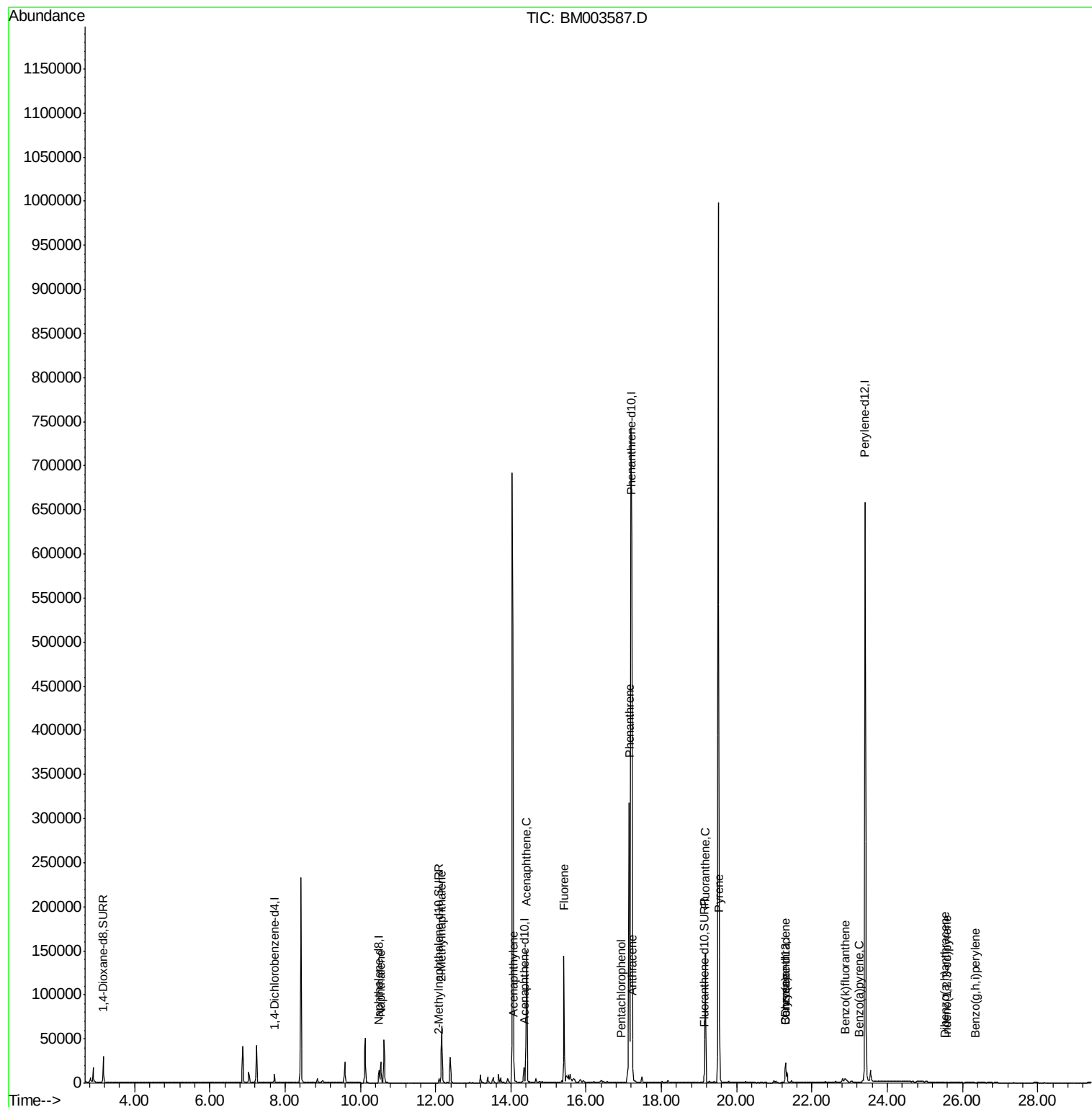
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	4773	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	20194	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	11848	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	1184980	0.40	ng/ul	0.10
18) Chrysene-d12	21.30	240	18657	0.40	ng/ul	-0.01
22) Perylene-d12	23.41	264	897077	0.40	ng/ul	-0.16
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	20808	10.20	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	6596	0.27	ng/ul	-0.01
16) Fluoranthene-d10	19.14	212	12064	0.00	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.55	128	32700	0.72	ng/ul	99
7) 2-Methylnaphthalene	12.16	142	47269	1.55	ng/ul	99
9) Acenaphthylene	14.07	152	2893	0.06	ng/ul#	86
10) Acenaphthene	14.42	153	88039	2.41	ng/ul	90
11) Fluorene	15.41	166	91562	2.26	ng/ul	89
13) Pentachlorophenol	16.94	266	12	0.00	ng/ul#	46
14) Phenanthrene	17.14	178	328536	0.11	ng/ul	94
15) Anthracene	17.23	178	32968	0.01	ng/ul	94
17) Fluoranthene	19.17	202	137856	0.04	ng/ul	99
19) Pyrene	19.53	202	97831	1.94	ng/ul	99
20) Benzo(a)anthracene	21.28	228	15338	0.34	ng/ul#	91
21) Chrysene	21.28	228	15308	0.29	ng/ul	94
24) Benzo(k)fluoranthene	22.88	252	8329	0.00	ng/ul#	83
25) Benzo(a)pyrene	23.26	252	96	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.58	276	1175	0.00	ng/ul#	16
27) Dibenzo(a,h)anthracene	25.53	278	1317	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.35	276	11	0.00	ng/ul#	1

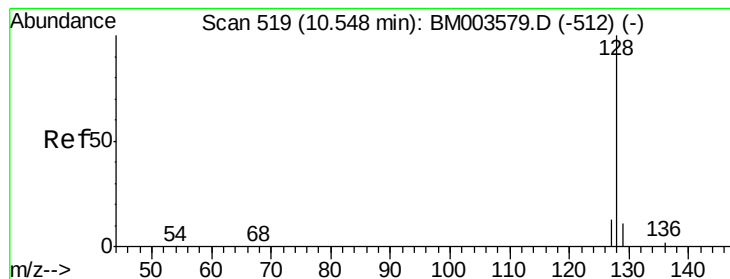
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 17 02:56:38 2015
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#5

Naphthalene

Concen: 0.72 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.00 min

Lab File: BM003587.D

Acq: 16 Dec 2015 20:54

Instrument :

BNA_M

ClientSampleId :

D9N33

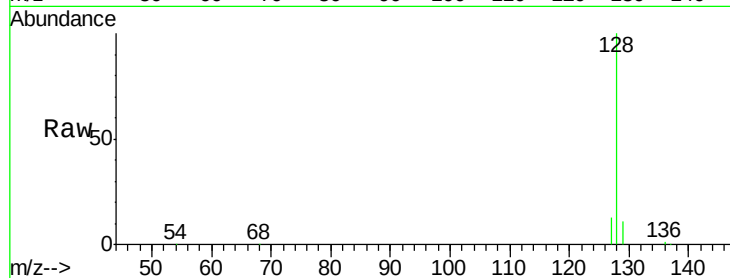
Tgt Ion:128 Resp: 32700

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

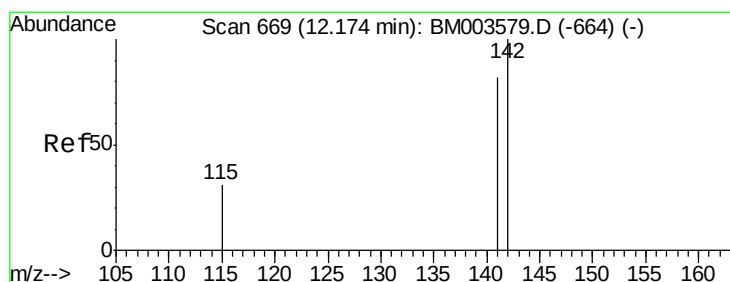
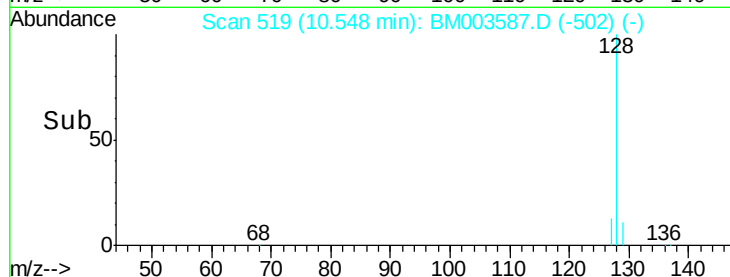
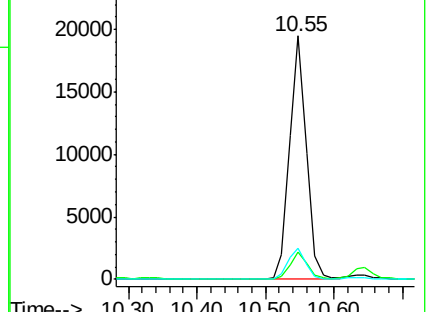
127 12.8 9.6 14.4



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: 1.55 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM003587.D

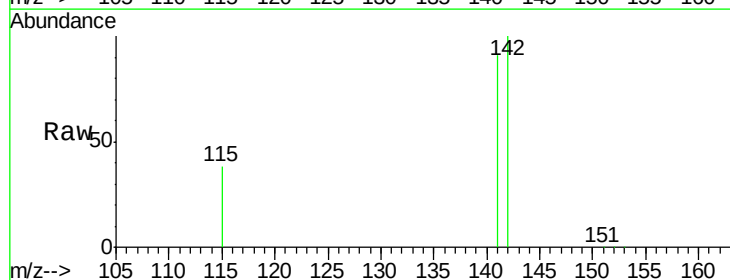
Acq: 16 Dec 2015 20:54

Tgt Ion:142 Resp: 47269

Ion Ratio Lower Upper

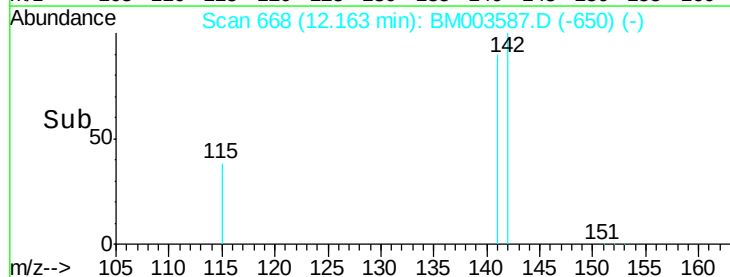
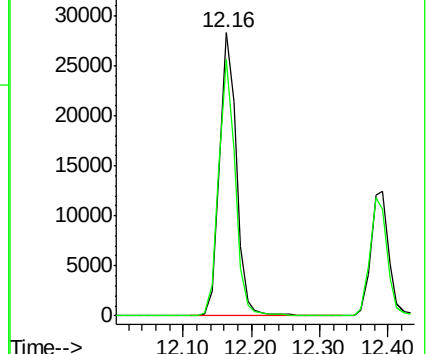
142 100

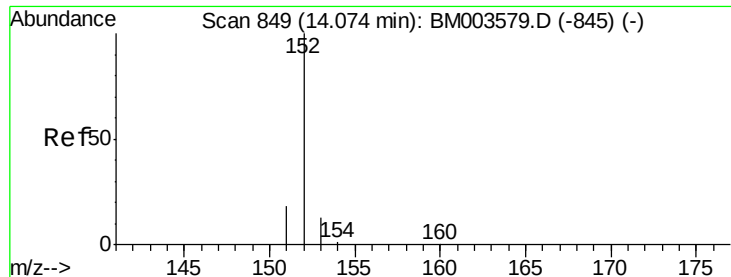
141 88.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. -0.00 min

Lab File: BM003587.D

Acq: 16 Dec 2015 20:54

Instrument :

BNA_M

ClientSampleId :

D9N33

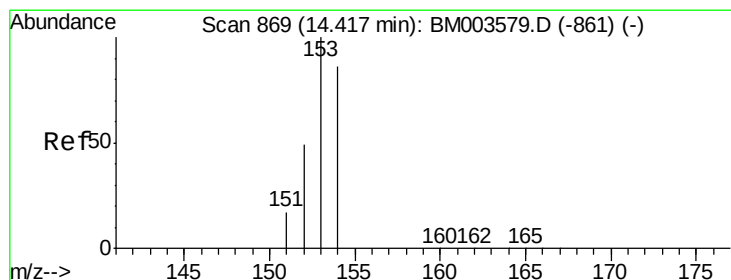
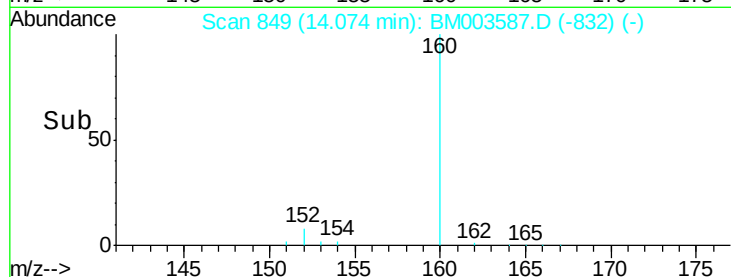
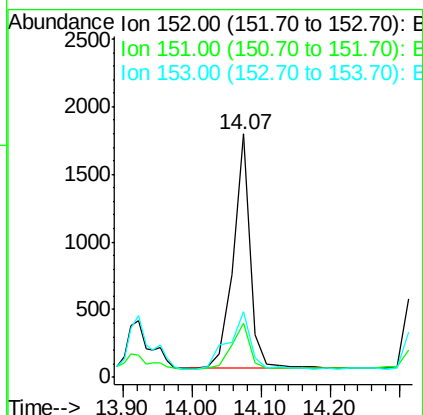
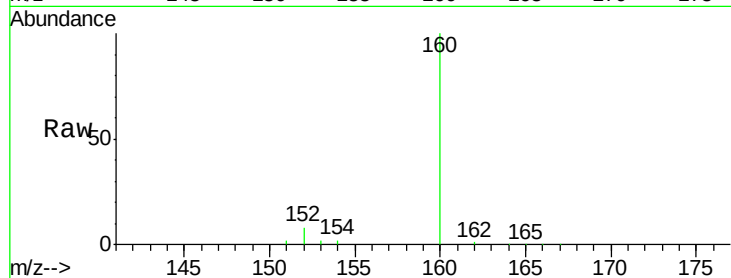
Tgt Ion:152 Resp: 2893

Ion Ratio Lower Upper

152 100

151 22.1 17.6 26.4

153 27.0 9.7 14.5#



#10

Acenaphthene

Concen: 2.41 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM003587.D

Acq: 16 Dec 2015 20:54

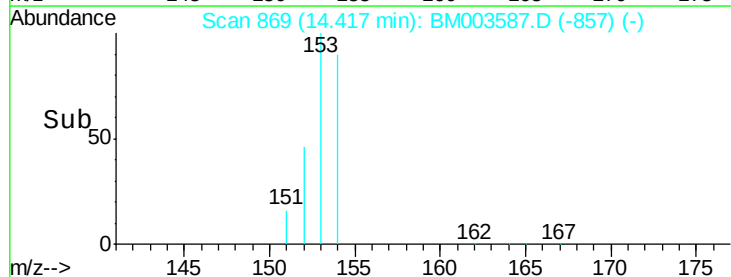
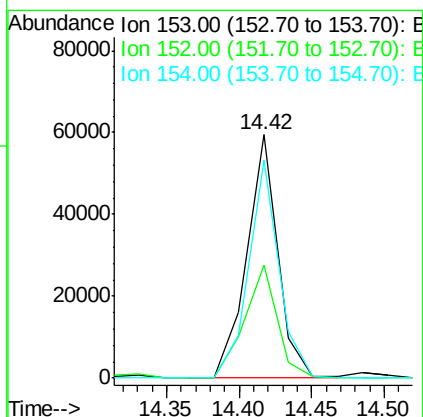
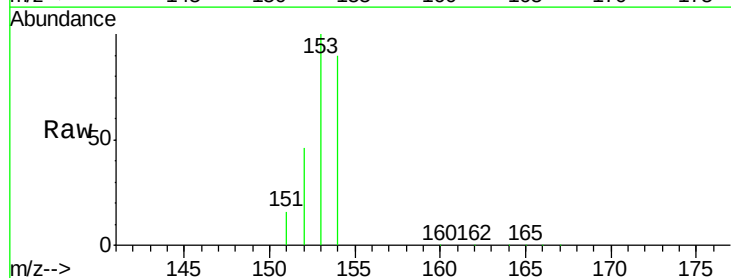
Tgt Ion:153 Resp: 88039

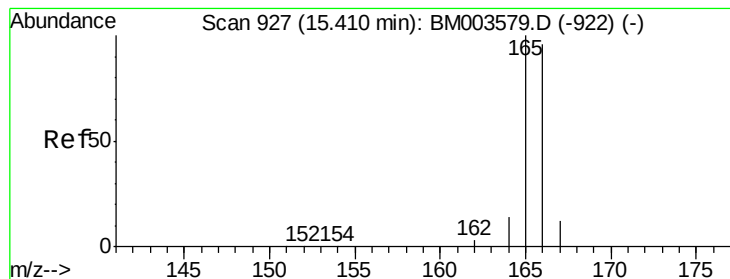
Ion Ratio Lower Upper

153 100

152 46.4 33.9 50.9

154 89.7 80.6 121.0





#11

Fluorene

Concen: 2.26 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.00 min

Lab File: BM003587.D

Acq: 16 Dec 2015 20:54

Instrument :

BNA_M

ClientSampleId :

D9N33

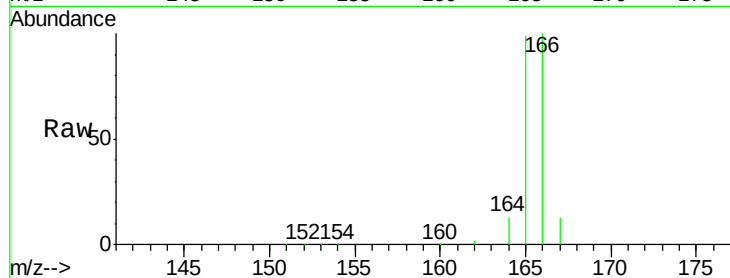
Tgt Ion:166 Resp: 91562

Ion Ratio Lower Upper

166 100

165 98.7 69.6 104.4

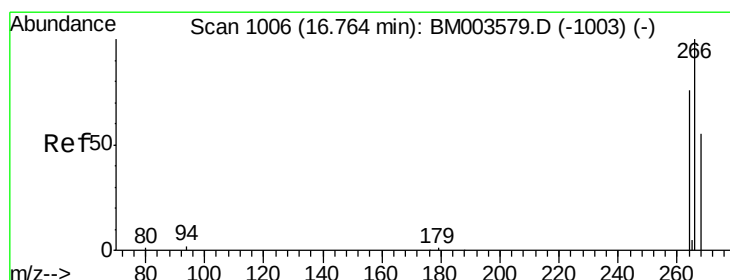
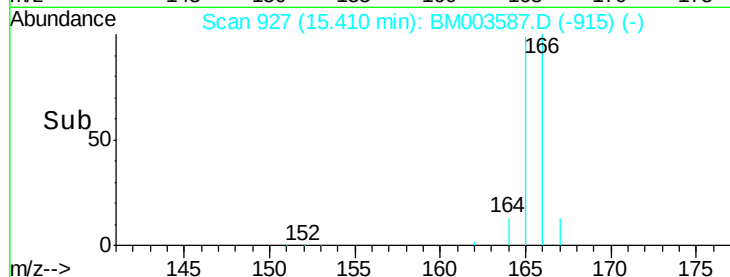
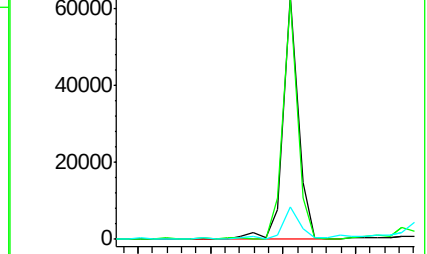
167 13.3 11.9 17.9



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: 16.94 min Scan# 1016

Delta R.T. 0.17 min

Lab File: BM003587.D

Acq: 16 Dec 2015 20:54

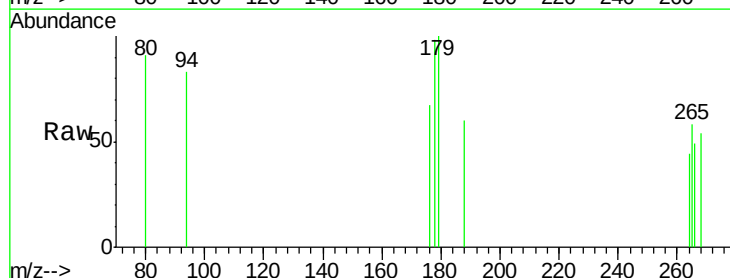
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

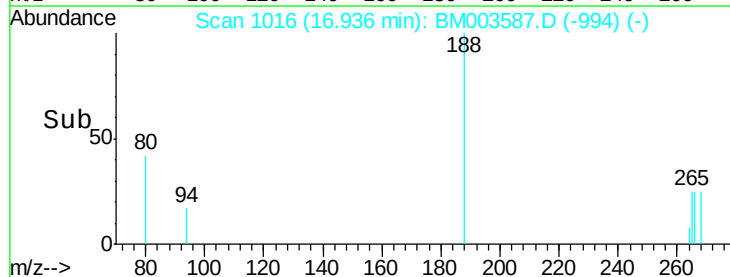
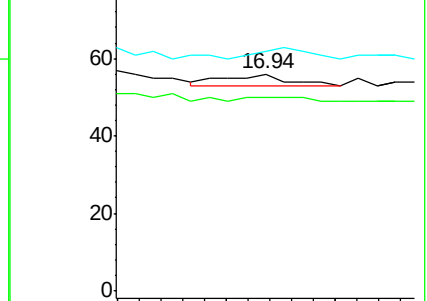
268 75.0 46.8 70.2#

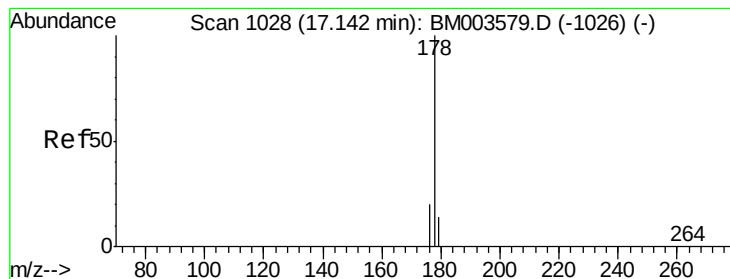


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.11 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BM003587.D

Acq: 16 Dec 2015 20:54

Instrument :

BNA_M

ClientSampleId :

D9N33

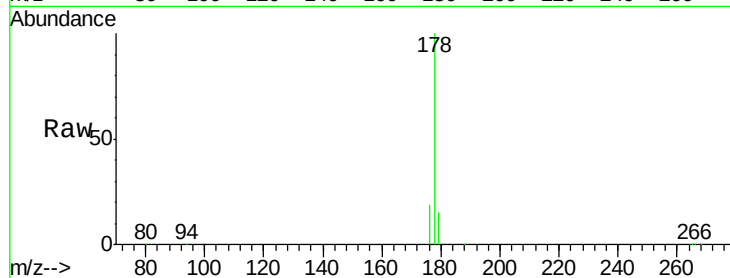
Tgt Ion:178 Resp: 328536

Ion Ratio Lower Upper

178 100

176 18.9 13.0 19.4

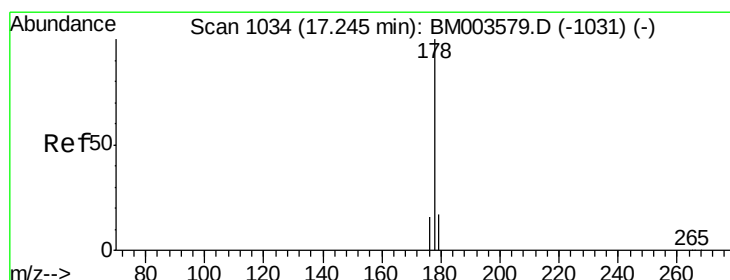
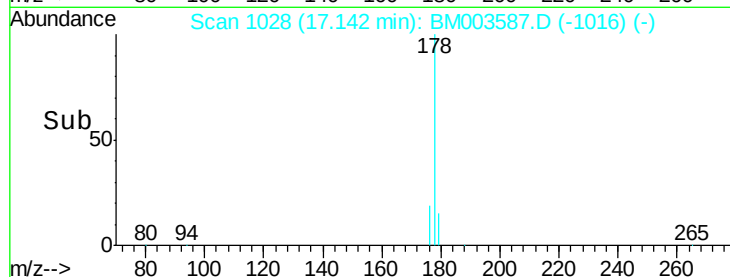
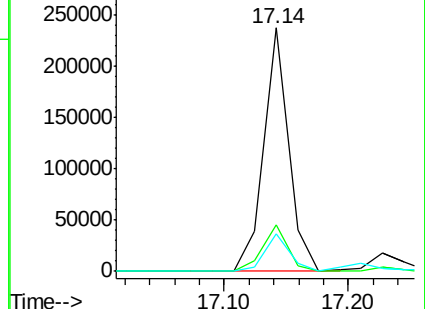
179 15.2 14.2 21.2



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: 0.01 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM003587.D

Acq: 16 Dec 2015 20:54

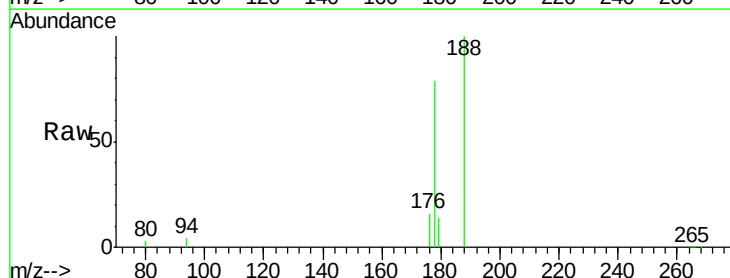
Tgt Ion:178 Resp: 32968

Ion Ratio Lower Upper

178 100

176 20.8 14.0 21.0

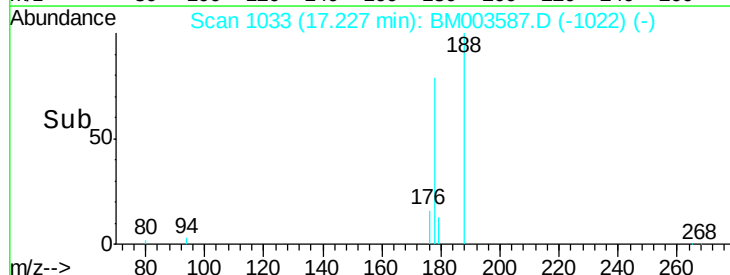
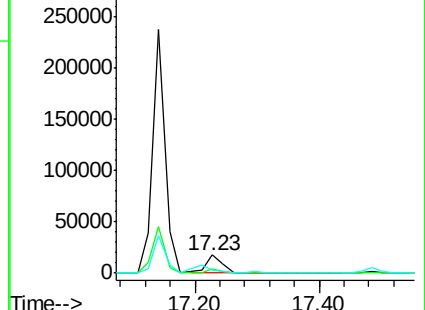
179 17.6 12.9 19.3

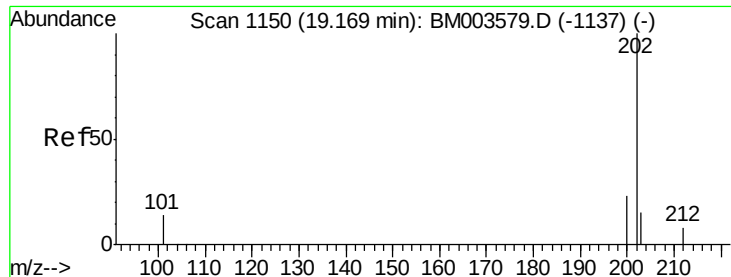


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

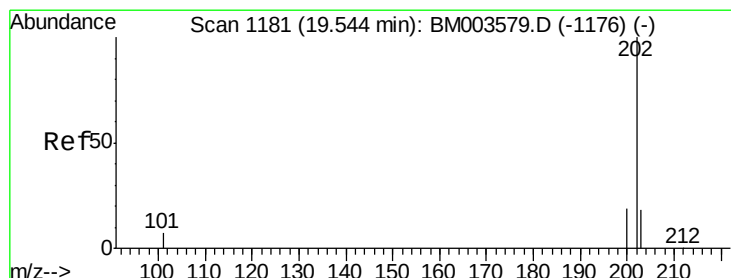
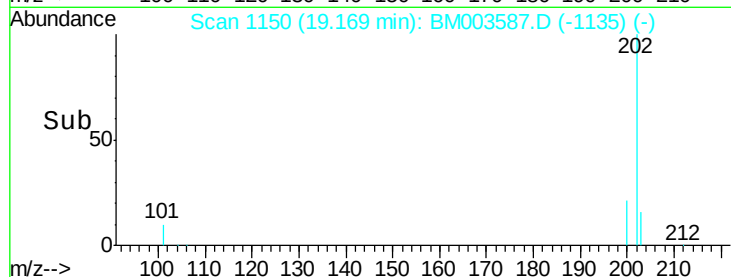
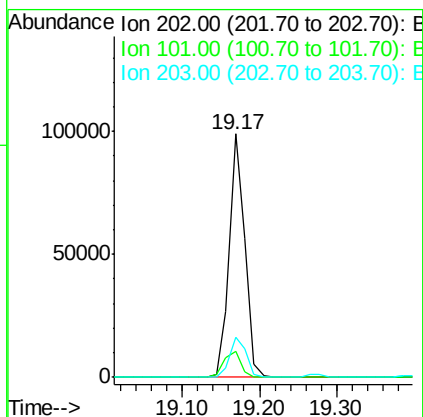
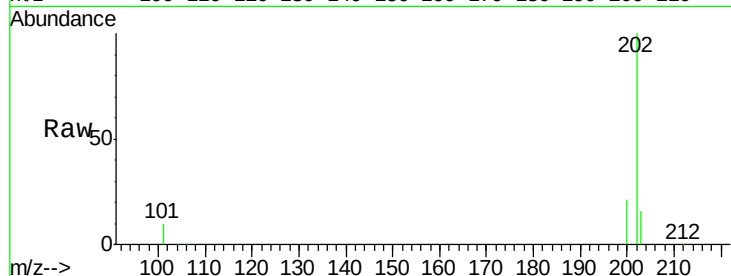




#17
Fluoranthene
Concen: 0.04 ng/ul
RT: 19.17 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BM003587.D
Acq: 16 Dec 2015 20:54

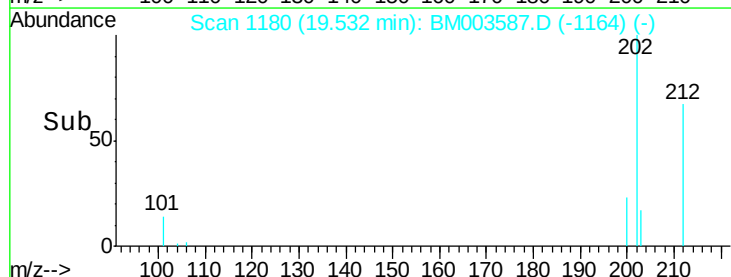
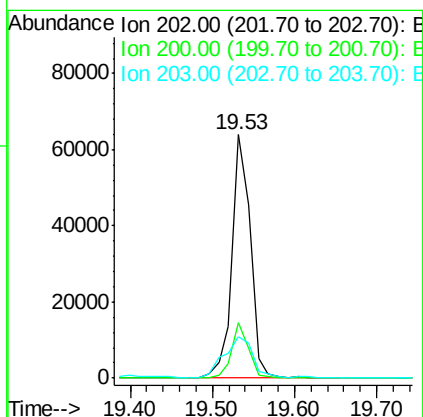
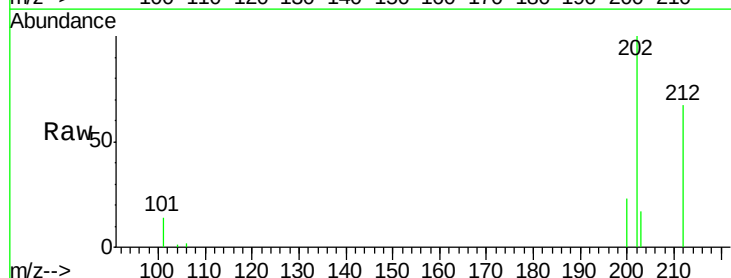
Instrument :
BNA_M
ClientSampleId :
D9N33

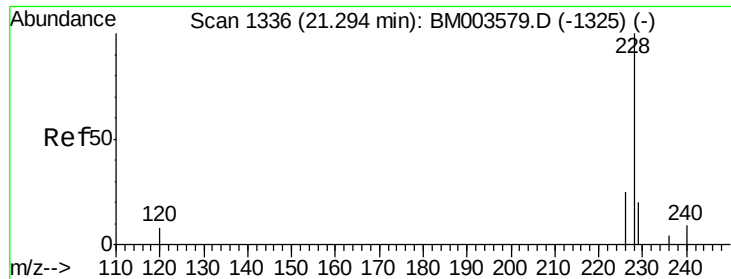
Tgt Ion: 202 Resp: 137856
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.6
203 16.4 0.0 36.3



#19
Pyrene
Concen: 1.94 ng/ul
RT: 19.53 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BM003587.D
Acq: 16 Dec 2015 20:54

Tgt Ion: 202 Resp: 97831
Ion Ratio Lower Upper
202 100
200 22.6 17.8 26.8
203 17.1 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.34 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BM003587.D

Acq: 16 Dec 2015 20:54

Instrument :

BNA_M

ClientSampleId :

D9N33

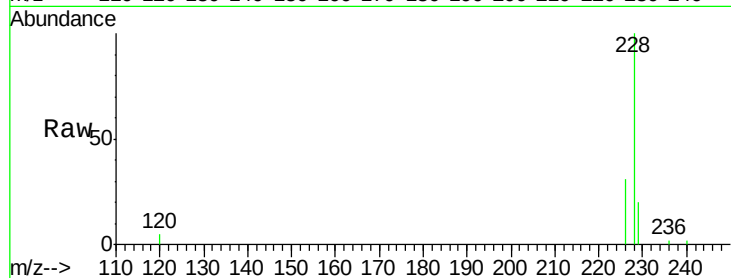
Tgt Ion:228 Resp: 15338

Ion Ratio Lower Upper

228 100

226 30.5 18.8 28.2#

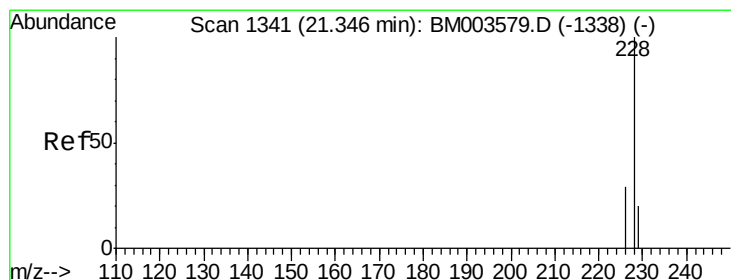
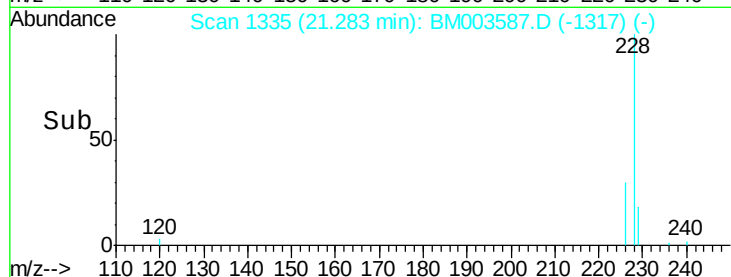
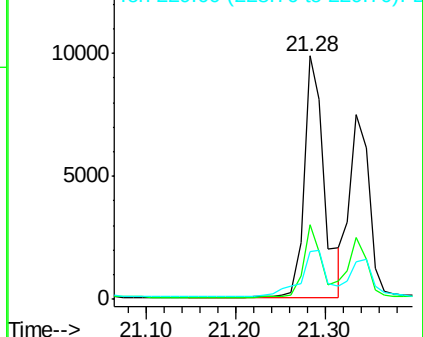
229 19.5 17.1 25.7



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: 0.29 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.06 min

Lab File: BM003587.D

Acq: 16 Dec 2015 20:54

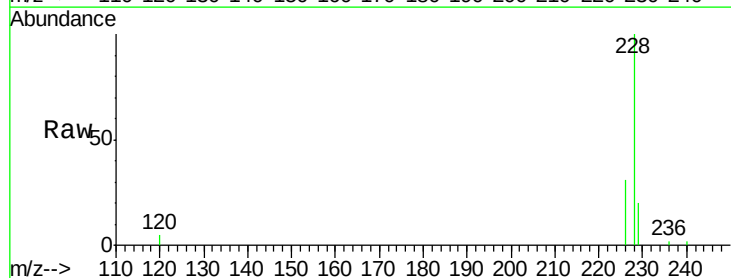
Tgt Ion:228 Resp: 15308

Ion Ratio Lower Upper

228 100

226 30.5 21.2 31.8

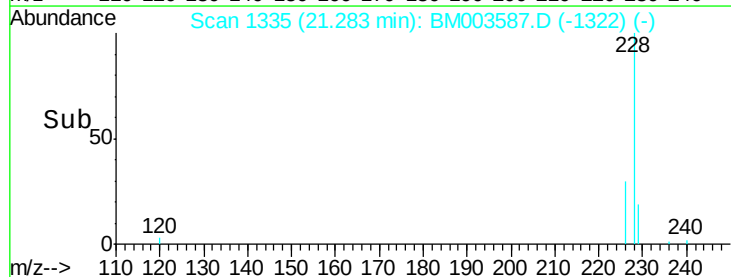
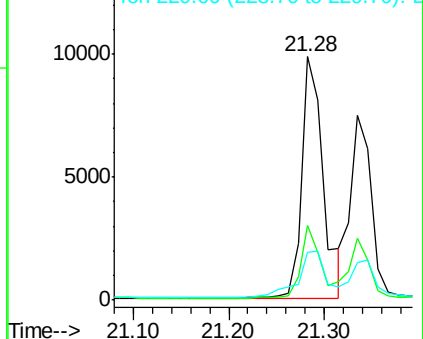
229 19.5 17.0 25.6

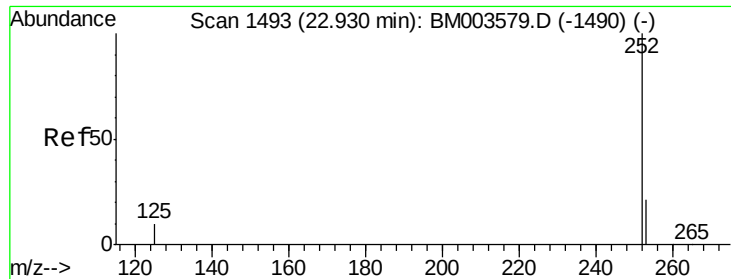


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.05 min

Lab File: BM003587.D

Acq: 16 Dec 2015 20:54

Instrument :

BNA_M

ClientSampleId :

D9N33

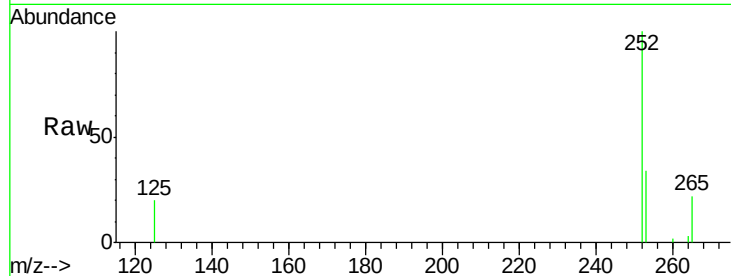
Tgt Ion:252 Resp: 8329

Ion Ratio Lower Upper

252 100

253 33.7 19.8 29.8#

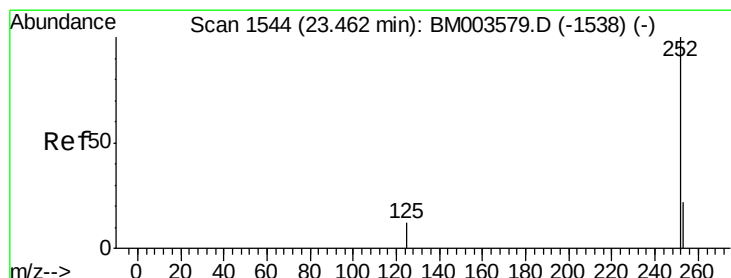
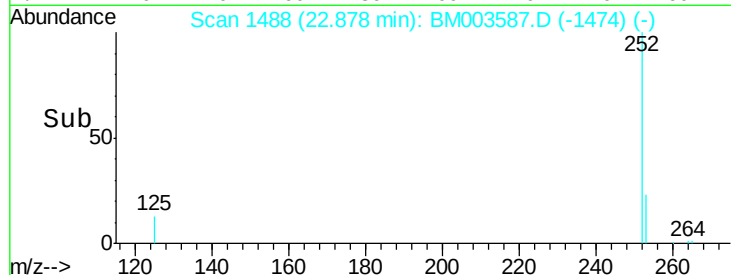
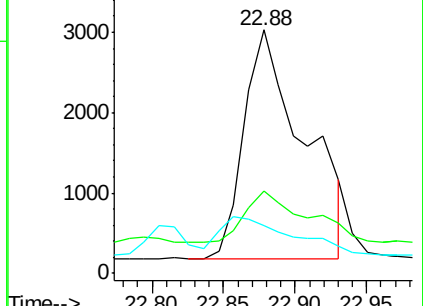
125 19.6 10.4 15.6#



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: 23.26 min Scan# 1525

Delta R.T. -0.20 min

Lab File: BM003587.D

Acq: 16 Dec 2015 20:54

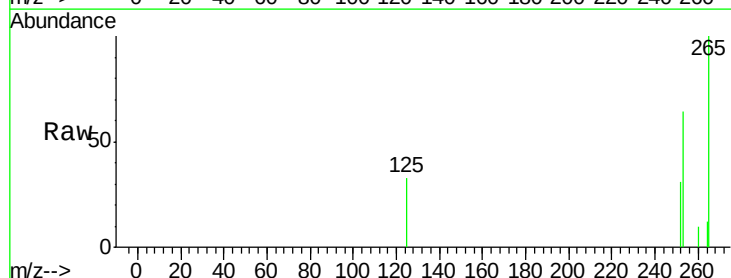
Tgt Ion:252 Resp: 96

Ion Ratio Lower Upper

252 100

253 206.9 19.4 29.2#

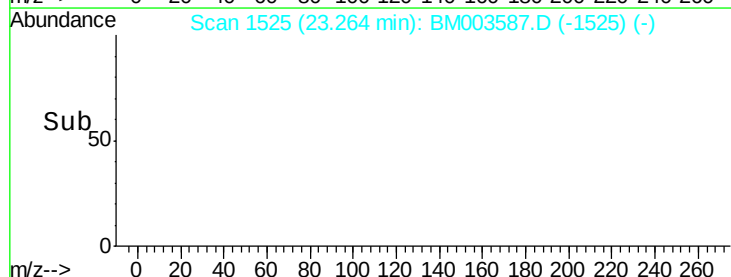
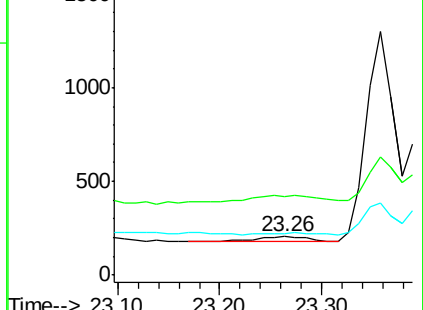
125 107.4 12.7 19.1#

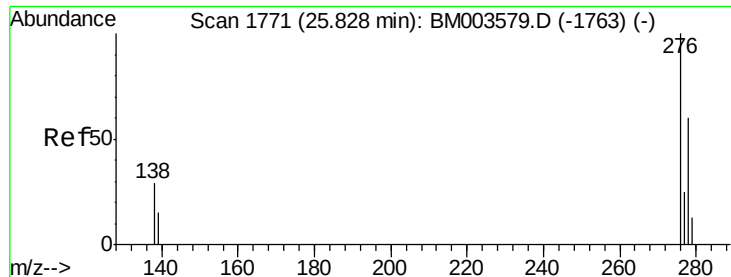


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.58 min Scan# 1747

Delta R.T. -0.25 min

Lab File: BM003587.D

Acq: 16 Dec 2015 20:54

Instrument :

BNA_M

ClientSampleId :

D9N33

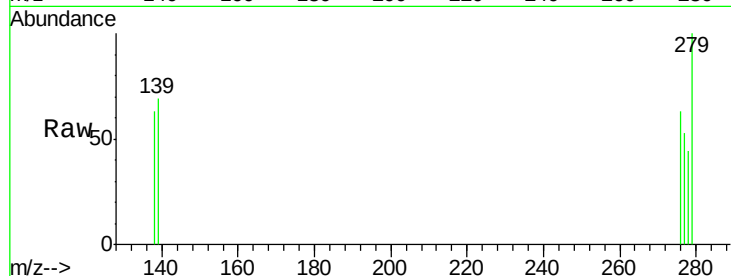
Tgt Ion: 276 Resp: 1175

Ion Ratio Lower Upper

276 100

138 79.0 16.3 24.5#

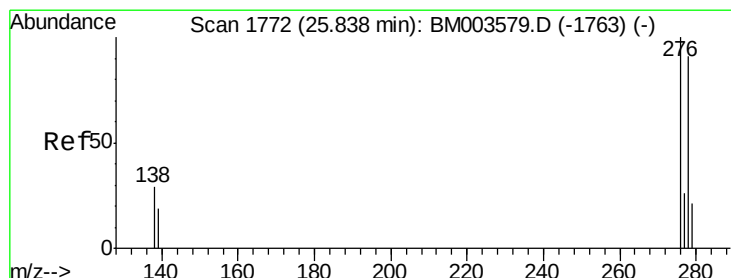
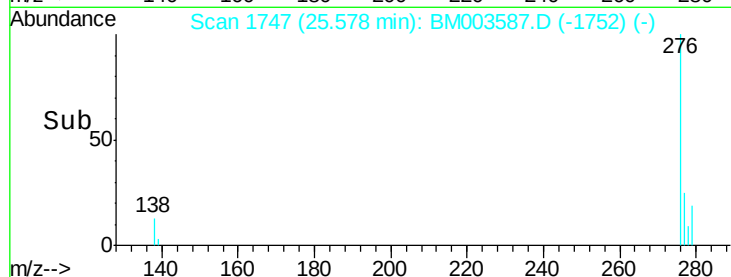
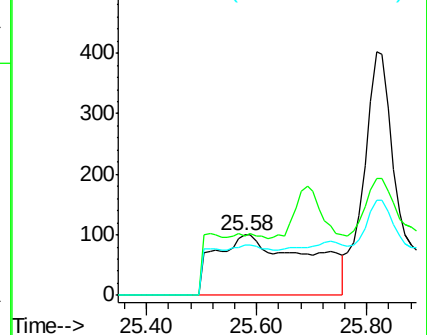
277 0.0 19.8 29.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.53 min Scan# 1742

Delta R.T. -0.31 min

Lab File: BM003587.D

Acq: 16 Dec 2015 20:54

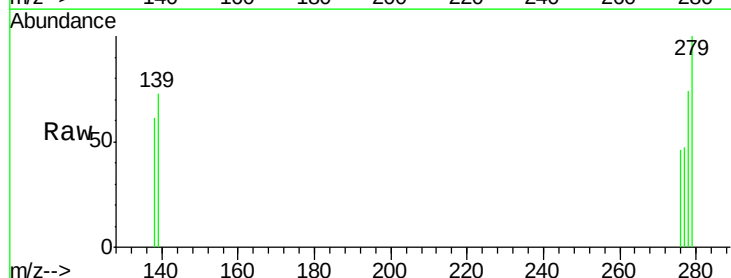
Tgt Ion: 278 Resp: 1317

Ion Ratio Lower Upper

278 100

139 97.5 16.4 24.6#

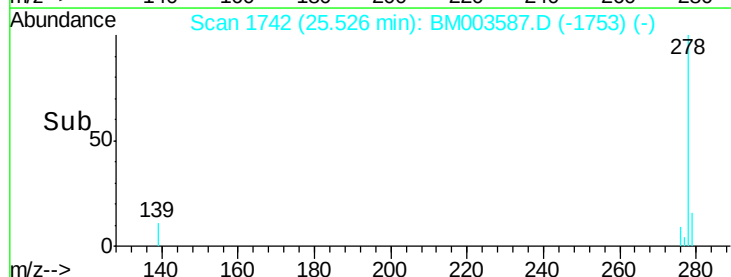
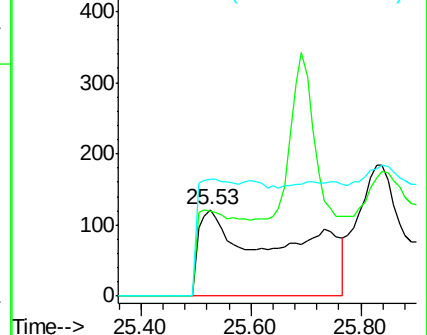
279 134.4 20.2 30.2#

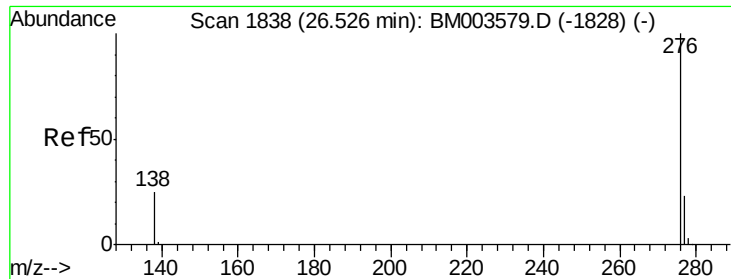


Abundance Ion 278.00 (277.70 to 278.70): E

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: 26.35 min Scan# 1821

Delta R.T. -0.18 min

Lab File: BM003587.D

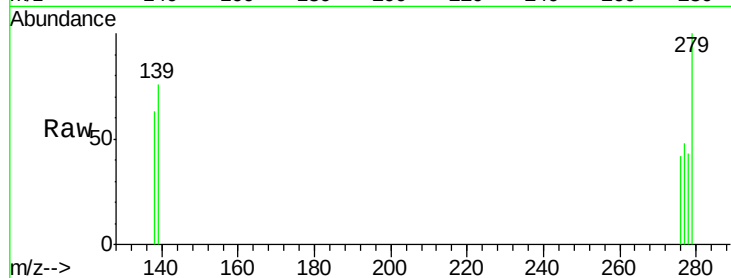
Acq: 16 Dec 2015 20:54

Instrument :

BNA_M

ClientSampleId :

D9N33



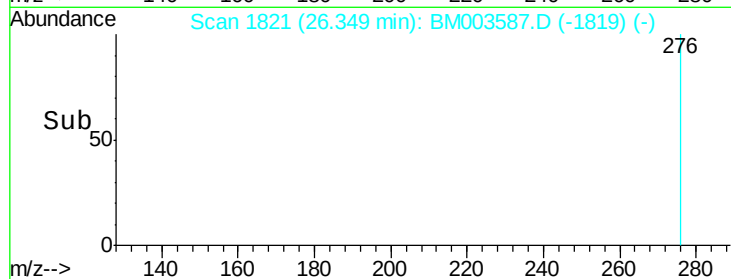
Tgt Ion: 276 Resp: 11

Ion Ratio Lower Upper

276 100

277 115.6 18.9 28.3#

138 150.0 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

150

100

50

0

26.35

26.30 26.35 26.40 26.45

Time-->