

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121615\
 Data File : BM003580.D
 Acq On : 16 Dec 2015 16:42
 Operator : UM/IZ
 Sample : G4767-04MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N27MS

Quant Time: Dec 17 03:00:02 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	4992	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	20763	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	11877	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	1329366	0.40	ng/ul	0.10
18) Chrysene-d12	21.31	240	27102	0.40	ng/ul	0.00
22) Perylene-d12	23.42	264	1281185	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	20557	9.63	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.10	152	6622	0.27	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	14833	0.01	ng/ul	0.00

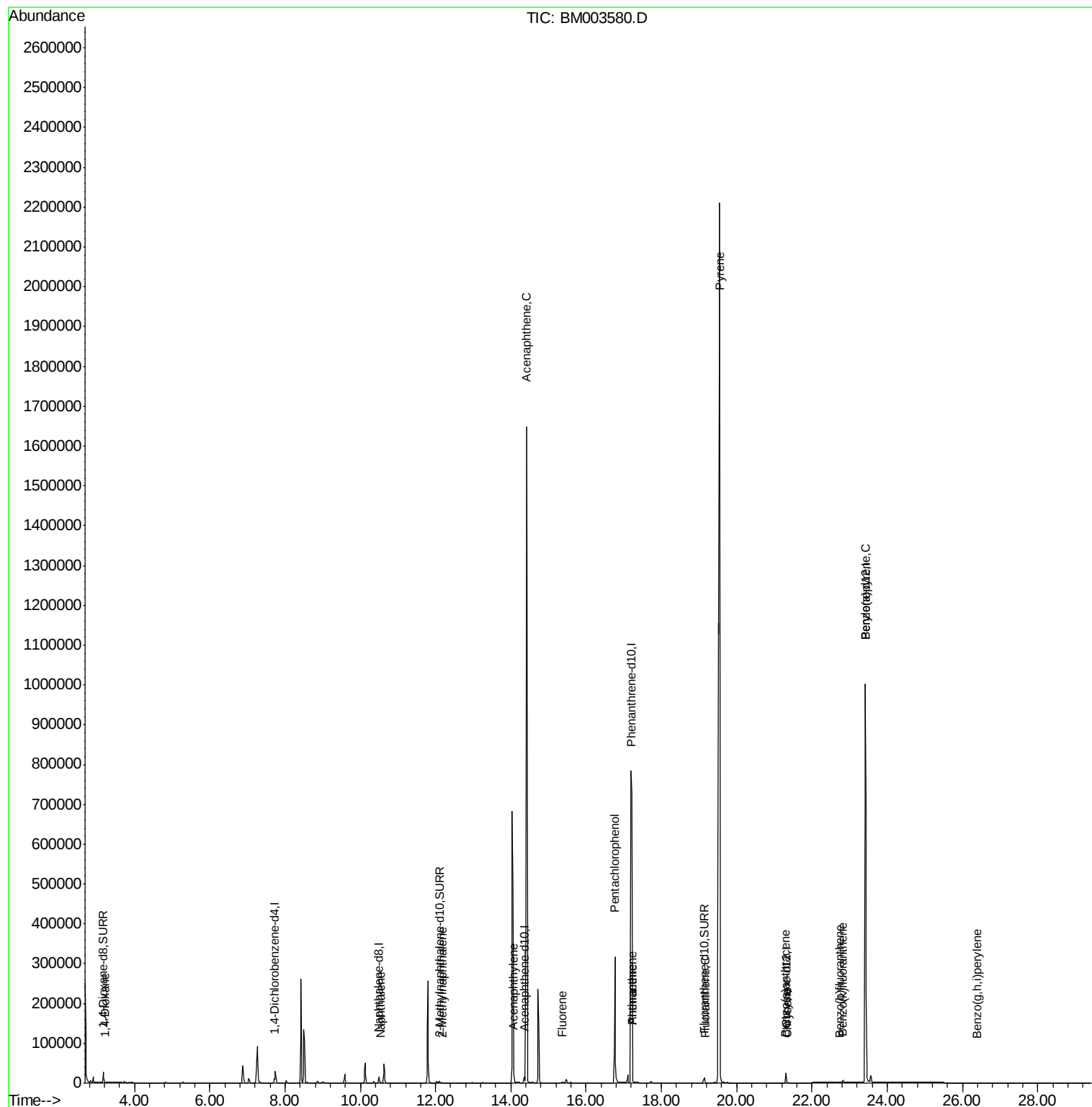
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.21	88	1610	0.59	ng/ul#	100
5) Naphthalene	10.55	128	1523	0.03	ng/ul#	85
7) 2-Methylnaphthalene	12.17	142	751	0.02	ng/ul	97
9) Acenaphthylene	14.07	152	1003	0.02	ng/ul#	86
10) Acenaphthene	14.42	153	952925	26.06	ng/ul	87
11) Fluorene	15.36	166	2435	0.06	ng/ul#	21
13) Pentachlorophenol	16.76	266	207383	1.09	ng/ul	95
14) Phenanthrene	17.23	178	1088	0.00	ng/ul#	39
15) Anthracene	17.23	178	1138	0.00	ng/ul#	39
17) Fluoranthene	19.17	202	738	0.00	ng/ul	68
19) Pyrene	19.54	202	2217015	30.30	ng/ul	94
20) Benzo(a)anthracene	21.29	228	373	0.01	ng/ul#	51
21) Chrysene	21.35	228	887	0.01	ng/ul#	81
23) Benzo(b)fluoranthene	22.74	252	9	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.82	252	44	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.42	252	5044	0.00	ng/ul#	61
28) Benzo(g,h,i)perylene	26.38	276	6	0.00	ng/ul#	1

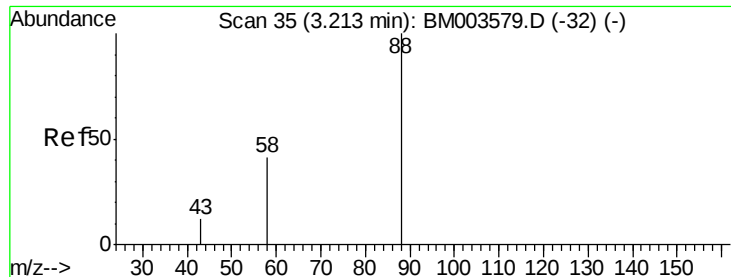
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.59 ng/ul

RT: 3.21 min Scan# 35

Delta R.T. 0.00 min

Lab File: BM003580.D

Acq: 16 Dec 2015 16:42

Instrument :

BNA_M

ClientSampleId :

D9N27MS

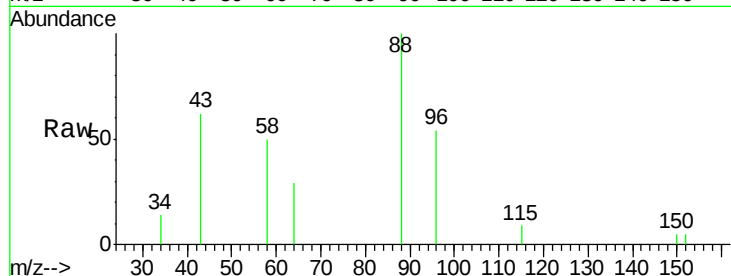
Tgt Ion: 88 Resp: 1610

Ion Ratio Lower Upper

88 100

58 59.9 0.0 0.0#

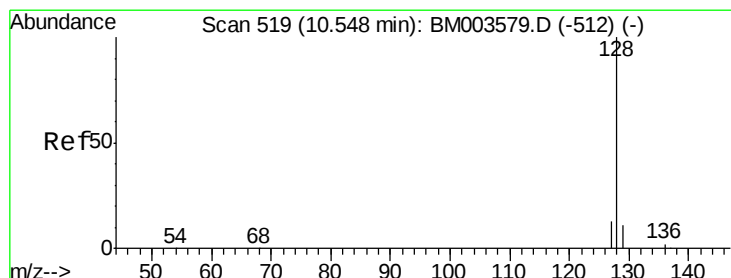
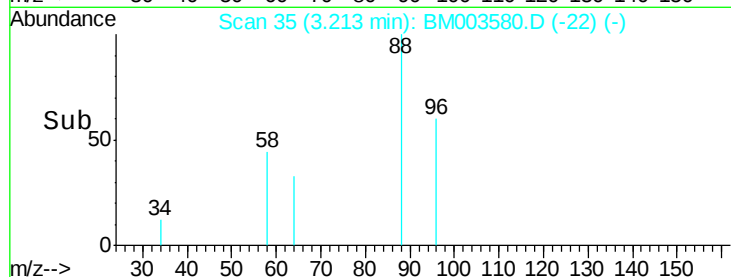
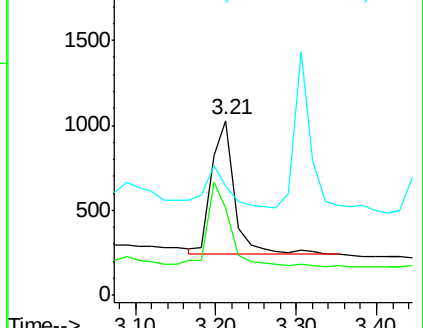
43 30.6 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM003579.D (-32) (-)

Ion 58.00 (57.70 to 58.70): BM003579.D (-32) (-)

Ion 43.00 (42.70 to 43.70): BM003579.D (-32) (-)



#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003580.D

Acq: 16 Dec 2015 16:42

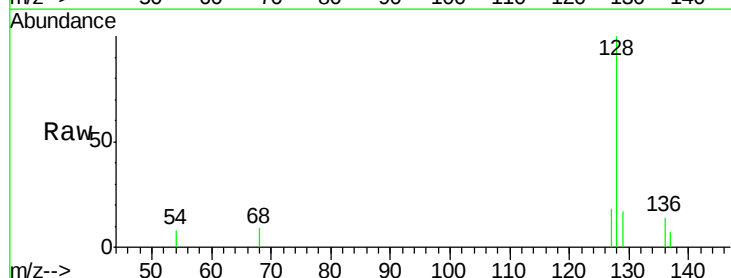
Tgt Ion: 128 Resp: 1523

Ion Ratio Lower Upper

128 100

129 17.1 9.0 13.6#

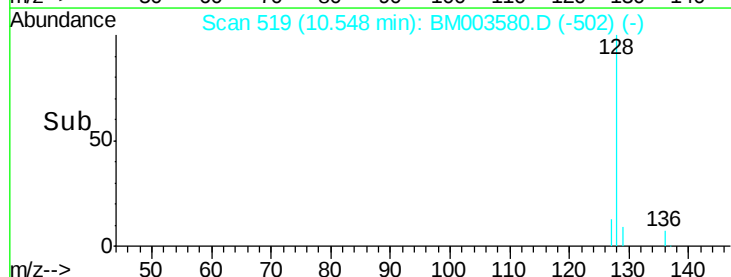
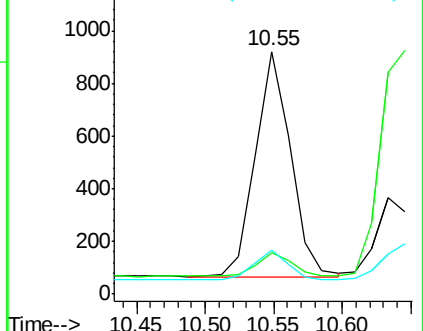
127 17.9 9.6 14.4#

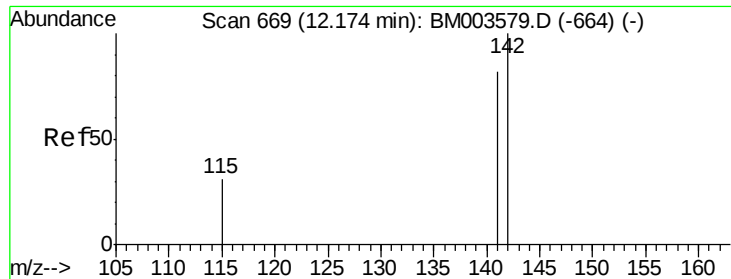


Abundance Ion 128.00 (127.70 to 128.70): BM003579.D (-512) (-)

Ion 129.00 (128.70 to 129.70): BM003579.D (-512) (-)

Ion 127.00 (126.70 to 127.70): BM003579.D (-512) (-)





#7

2-Methylnaphthalene

Concen: 0.02 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM003580.D

Acq: 16 Dec 2015 16:42

Instrument :

BNA_M

ClientSampleId :

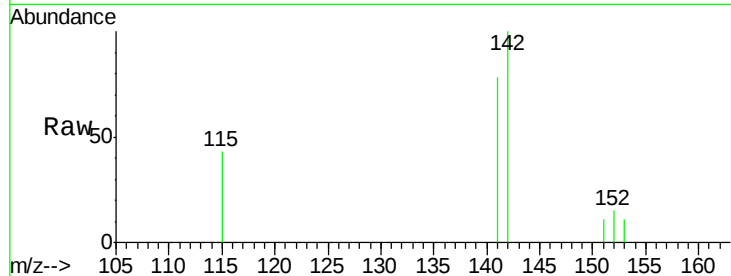
D9N27MS

Tgt Ion:142 Resp: 751

Ion Ratio Lower Upper

142 100

141 85.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.17

500

400

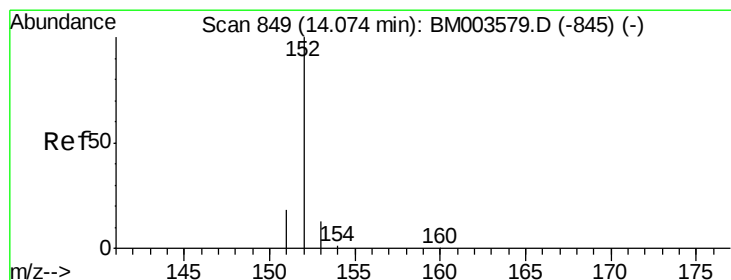
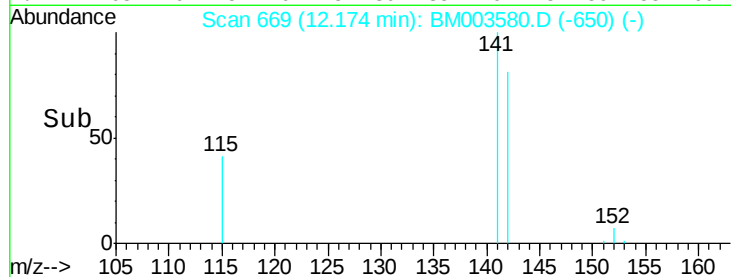
300

200

100

0

Time--> 12.10 12.20



#9

Acenaphthylene

Concen: 0.02 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003580.D

Acq: 16 Dec 2015 16:42

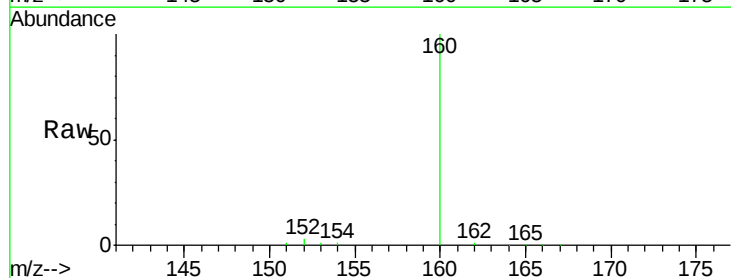
Tgt Ion:152 Resp: 1003

Ion Ratio Lower Upper

152 100

151 25.6 17.6 26.4

153 22.5 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

14.07

800

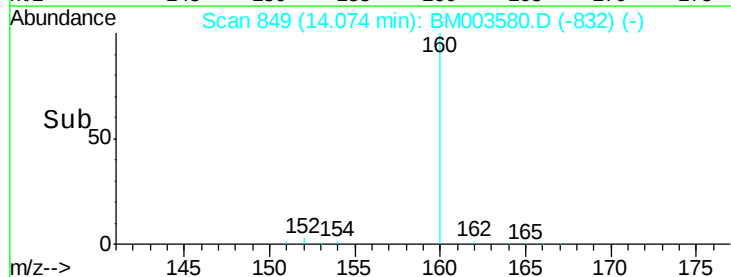
600

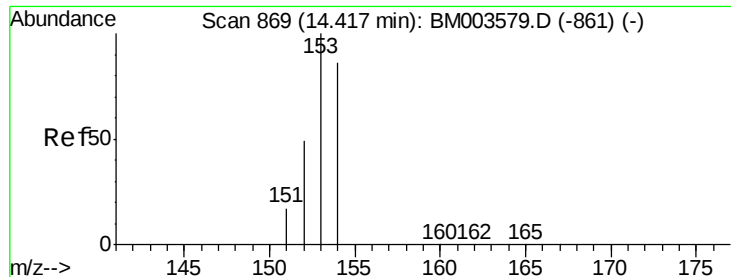
400

200

0

Time--> 14.00 14.20





#10

Acenaphthene

Concen: 26.06 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003580.D

Acq: 16 Dec 2015 16:42

Instrument :

BNA_M

ClientSampleId :

D9N27MS

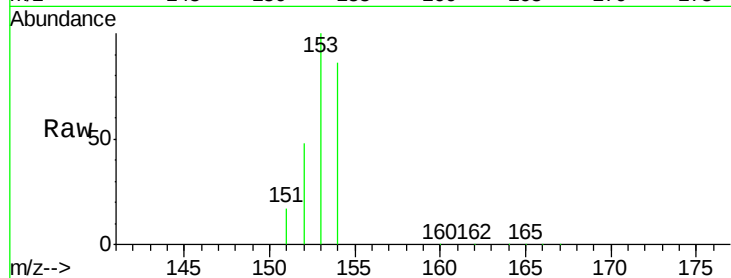
Tgt Ion:153 Resp: 952925

Ion Ratio Lower Upper

153 100

152 47.8 33.9 50.9

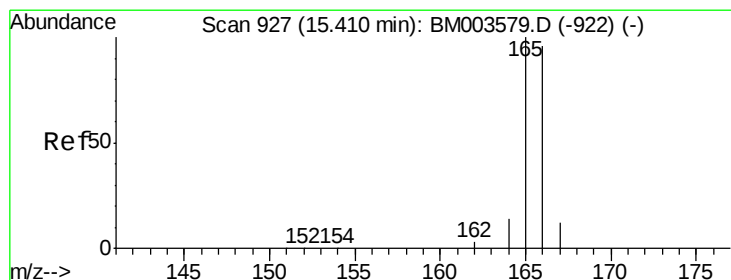
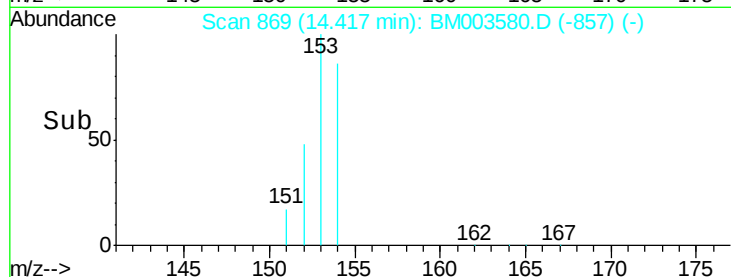
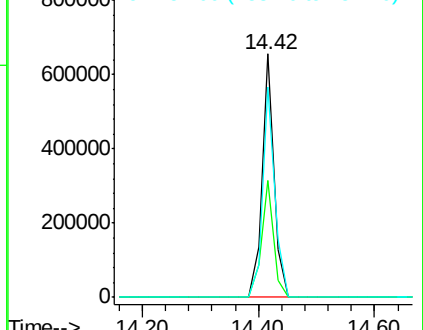
154 86.3 80.6 121.0



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: 0.06 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.05 min

Lab File: BM003580.D

Acq: 16 Dec 2015 16:42

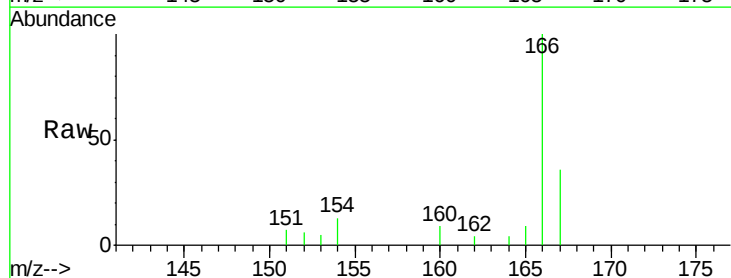
Tgt Ion:166 Resp: 2435

Ion Ratio Lower Upper

166 100

165 9.0 69.6 104.4#

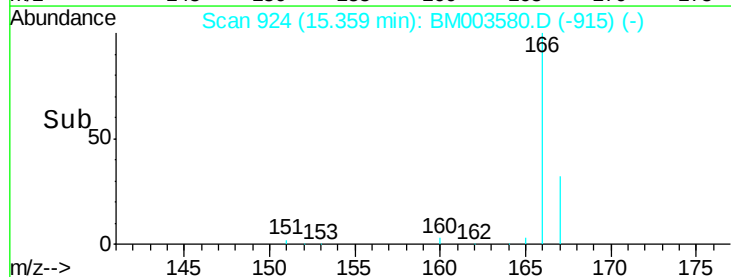
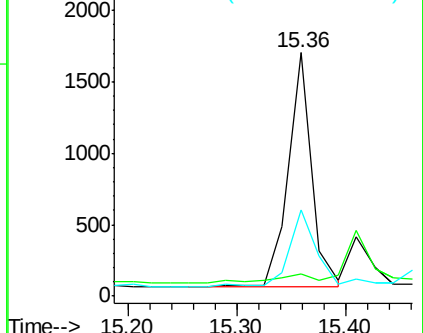
167 35.6 11.9 17.9#

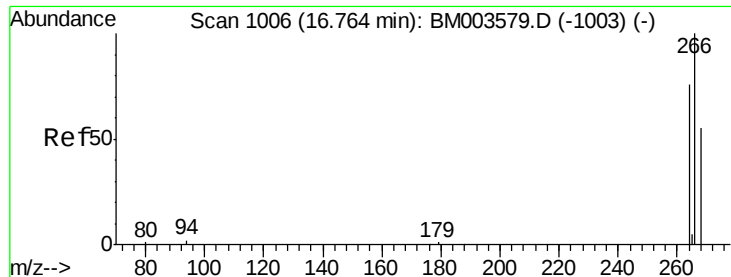


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

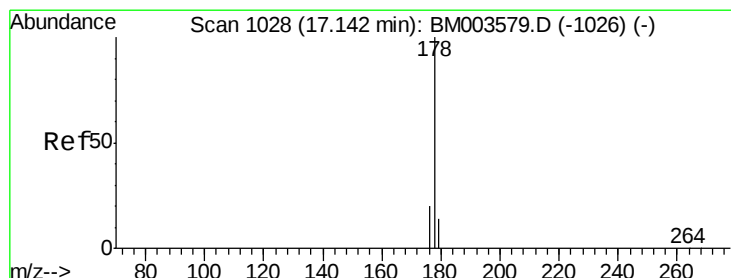
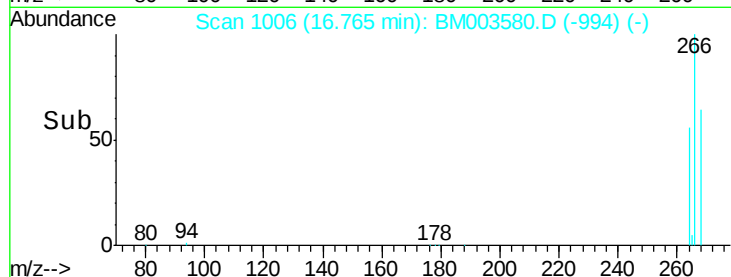
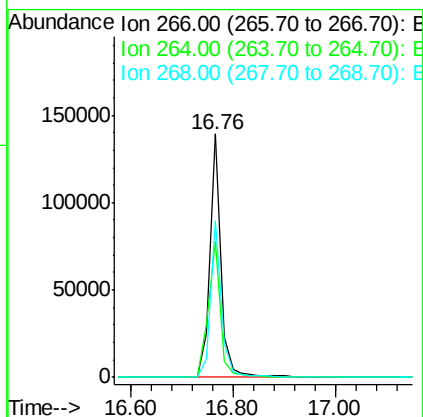
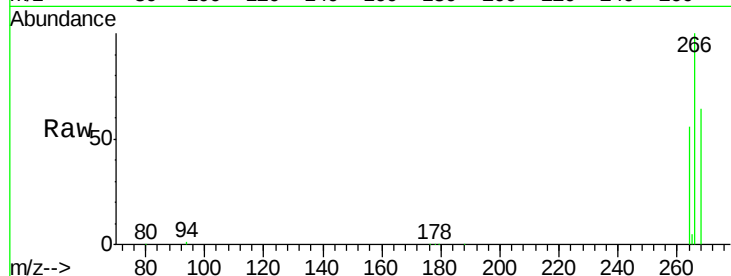




#13
 Pentachlorophenol
 Concen: 1.09 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BM003580.D
 Acq: 16 Dec 2015 16:42

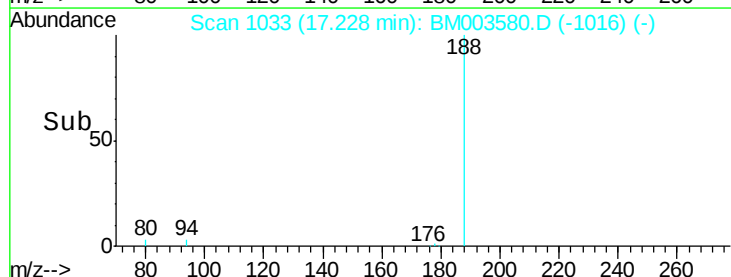
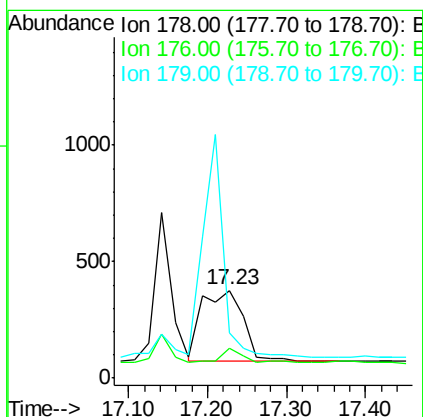
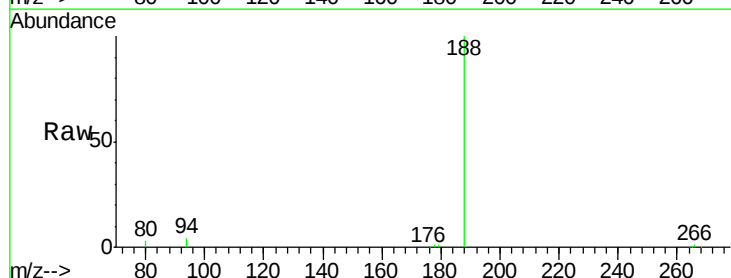
Instrument :
 BNA_M
 ClientSampleId :
 D9N27MS

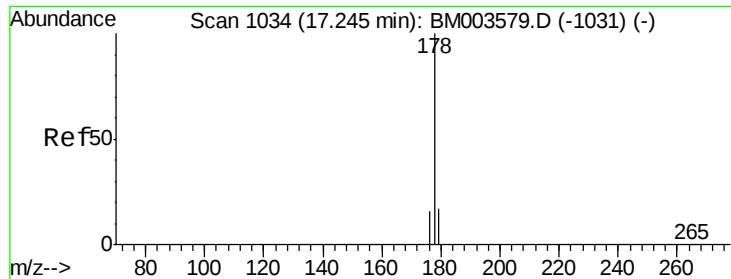
Tgt Ion: 266 Resp: 207383
 Ion Ratio Lower Upper
 266 100
 264 62.3 51.8 77.8
 268 64.0 46.8 70.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.23 min Scan# 1033
 Delta R.T. 0.09 min
 Lab File: BM003580.D
 Acq: 16 Dec 2015 16:42

Tgt Ion: 178 Resp: 1088
 Ion Ratio Lower Upper
 178 100
 176 34.6 13.0 19.4#
 179 51.9 14.2 21.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM003580.D

Acq: 16 Dec 2015 16:42

Instrument :

BNA_M

ClientSampleId :

D9N27MS

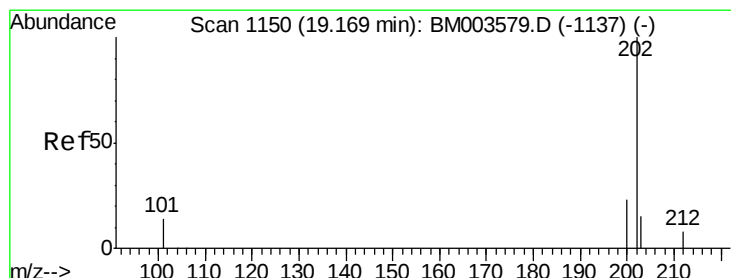
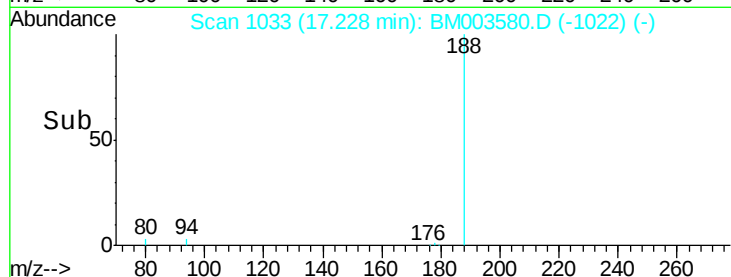
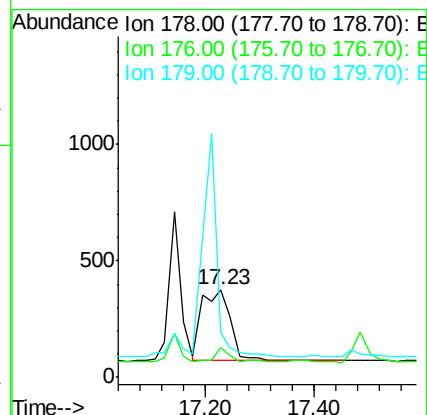
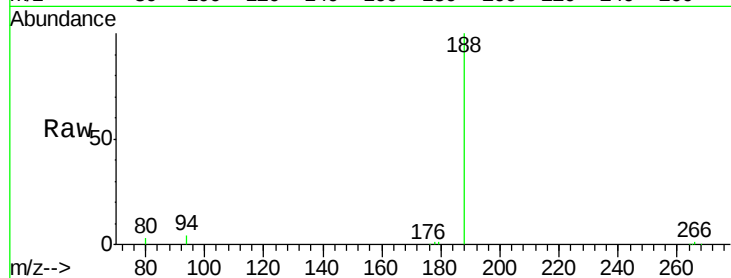
Tgt Ion:178 Resp: 1138

Ion Ratio Lower Upper

178 100

176 34.6 14.0 21.0#

179 51.9 12.9 19.3#



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BM003580.D

Acq: 16 Dec 2015 16:42

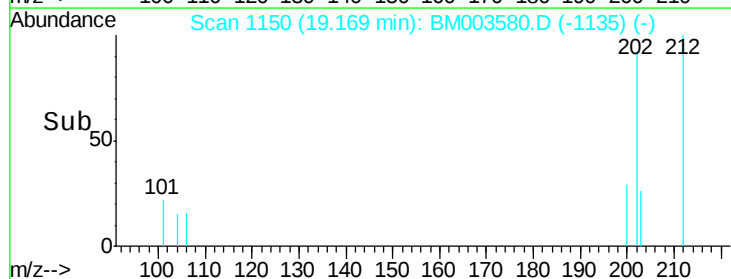
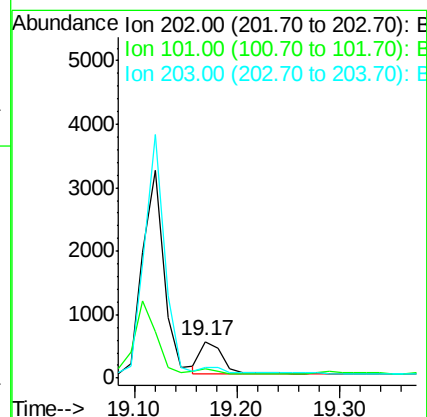
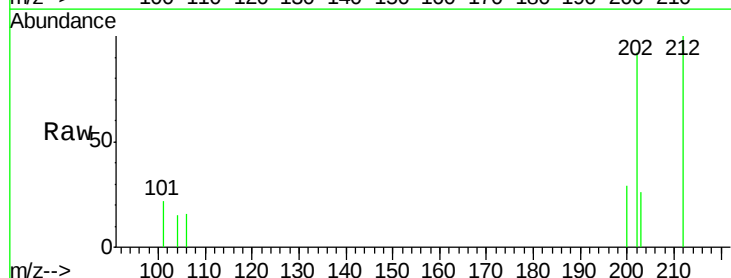
Tgt Ion:202 Resp: 738

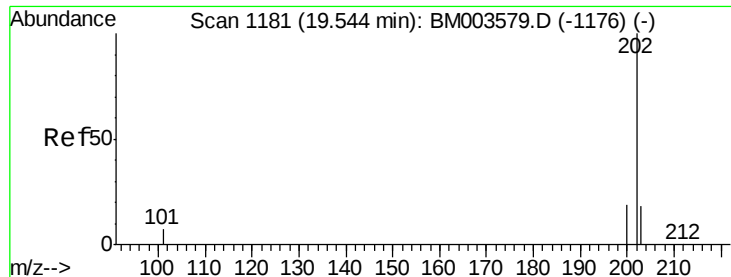
Ion Ratio Lower Upper

202 100

101 24.3 0.0 29.6

203 27.8 0.0 36.3





#19

Pyrene

Concen: 30.30 ng/ul

RT: 19.54 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BM003580.D

Acq: 16 Dec 2015 16:42

Instrument :

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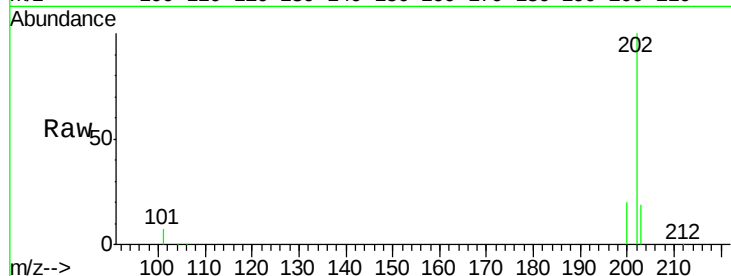
Tgt Ion:202 Resp: 2217015

Ion Ratio Lower Upper

202 100

200 19.6 17.8 26.8

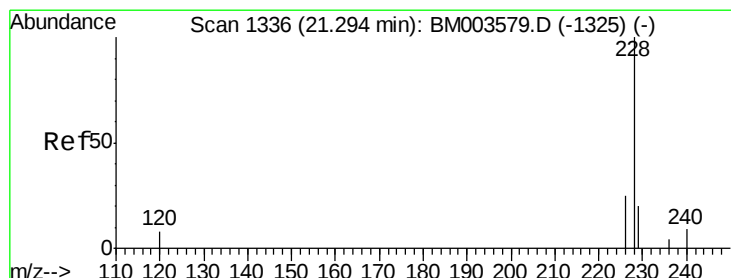
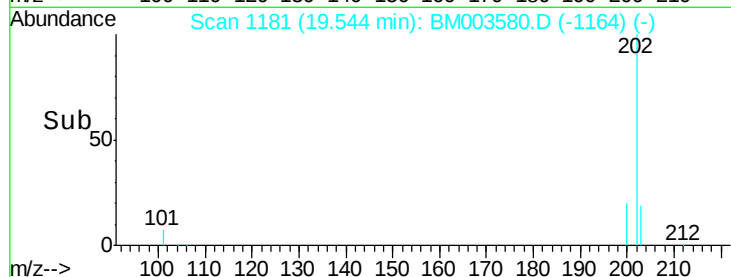
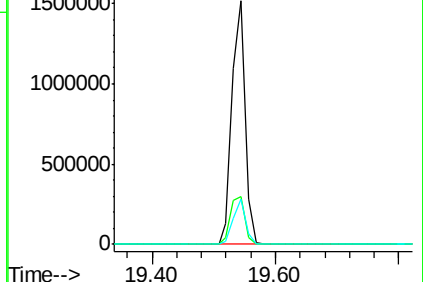
203 18.8 12.8 19.2



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: 0.01 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BM003580.D

Acq: 16 Dec 2015 16:42

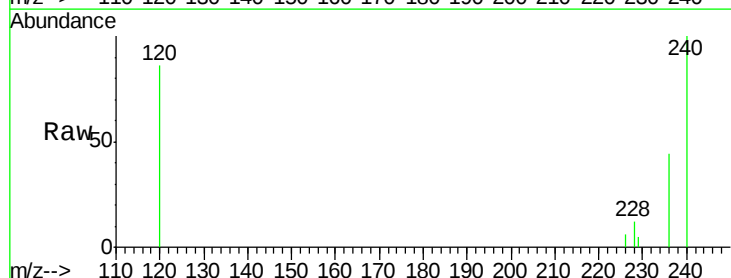
Tgt Ion:228 Resp: 373

Ion Ratio Lower Upper

228 100

226 47.2 18.8 28.2#

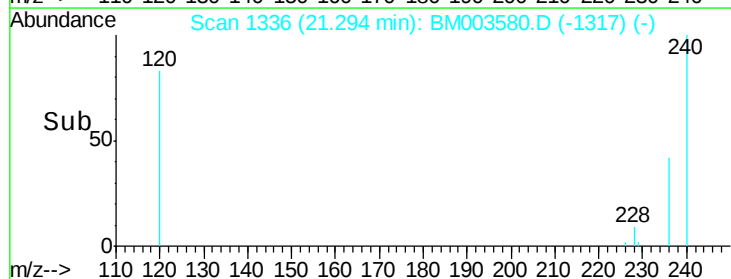
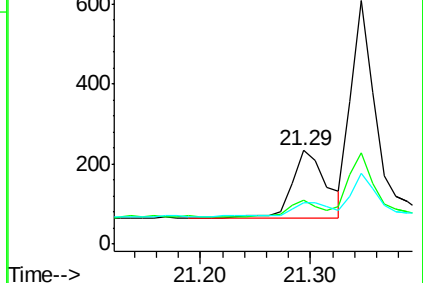
229 45.1 17.1 25.7#

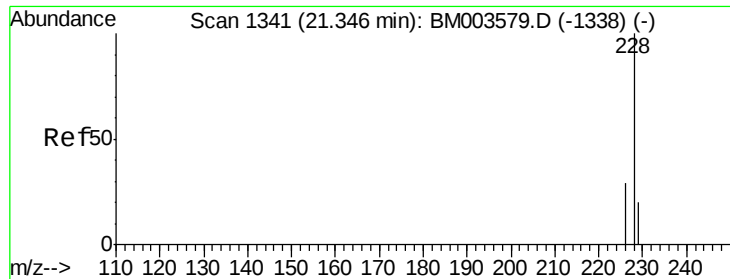


Abundance Ion 228.00 (227.70 to 228.70): E

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# 1341

Delta R.T. 0.00 min

Lab File: BM003580.D

Acq: 16 Dec 2015 16:42

Instrument :

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ClientSampleId :

D9N27MS

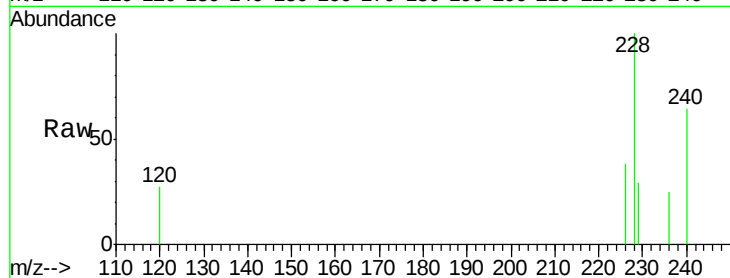
Tgt Ion:228 Resp: 887

Ion Ratio Lower Upper

228 100

226 37.7 21.2 31.8#

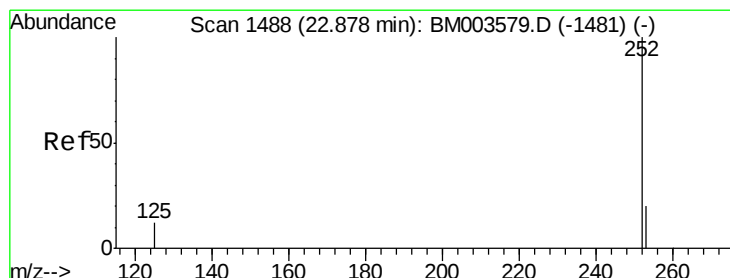
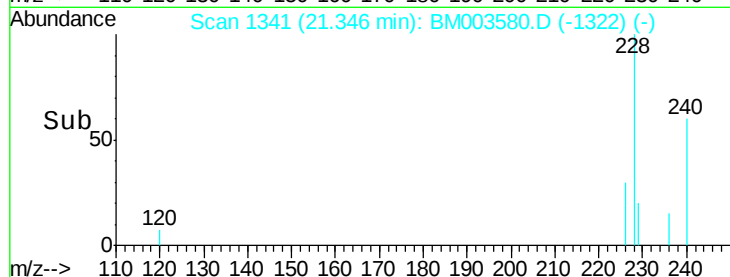
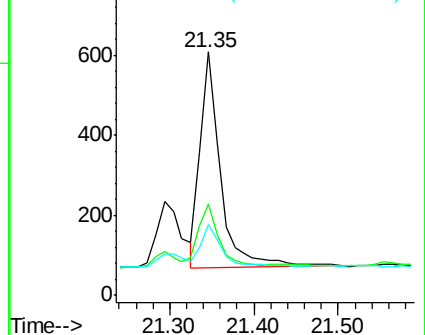
229 29.1 17.0 25.6#



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/ul

RT: 22.74 min Scan# 1475

Delta R.T. -0.14 min

Lab File: BM003580.D

Acq: 16 Dec 2015 16:42

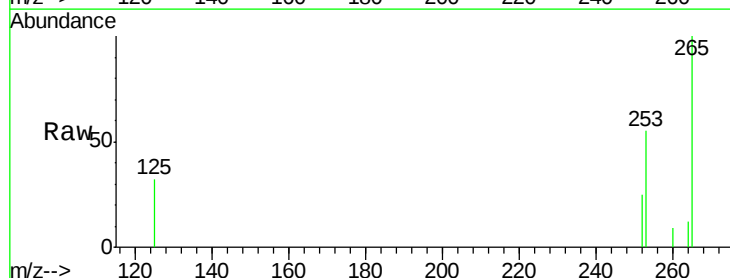
Tgt Ion:252 Resp: 9

Ion Ratio Lower Upper

252 100

253 218.7 0.0 45.4#

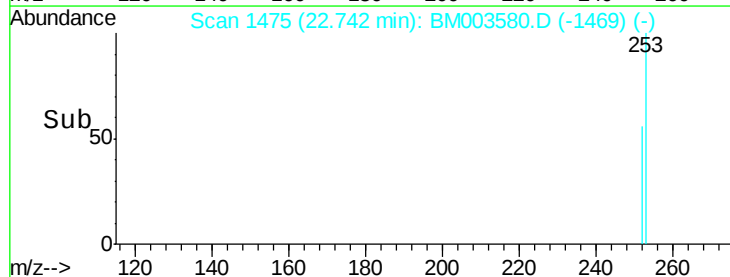
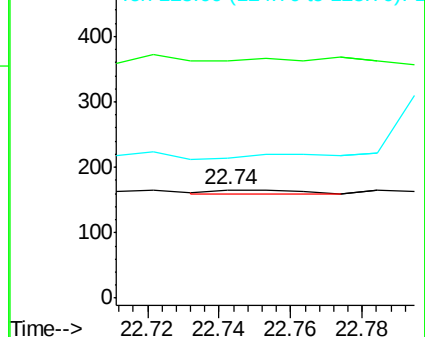
125 128.9 0.0 28.8#

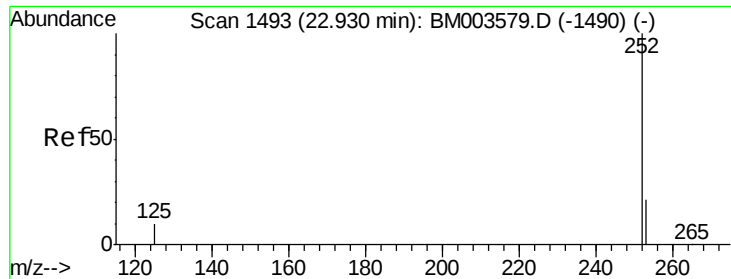


Abundance Ion 252.00 (251.70 to 252.70): E

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: 22.82 min Scan# 1482

Delta R.T. -0.11 min

Lab File: BM003580.D

Acq: 16 Dec 2015 16:42

Instrument :

BNA_M

ClientSampleId :

D9N27MS

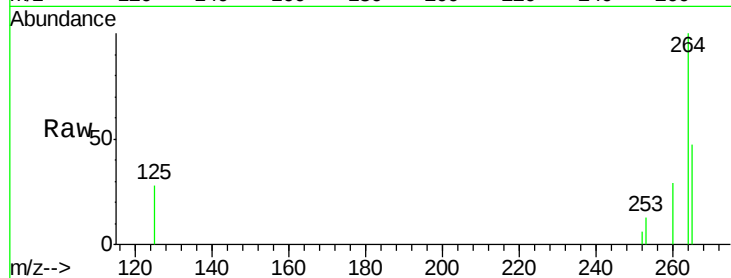
Tgt Ion:252 Resp: 44

Ion Ratio Lower Upper

252 100

253 202.2 19.8 29.8#

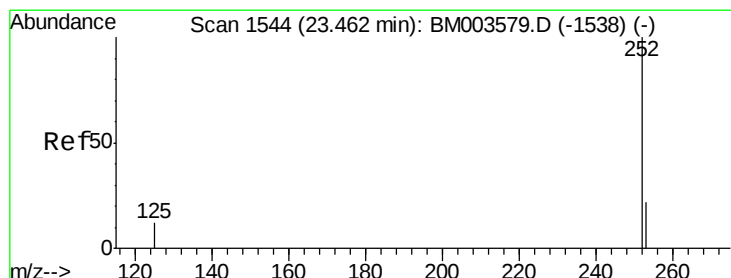
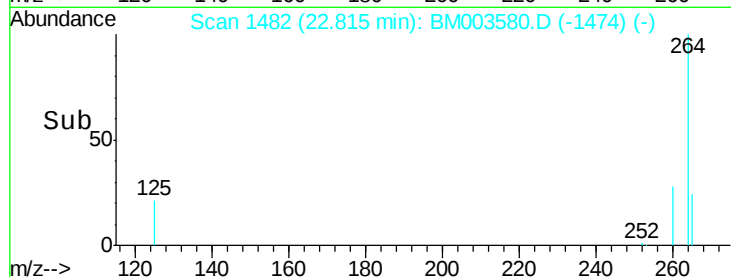
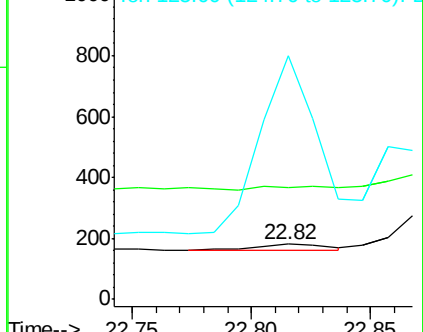
125 441.4 10.4 15.6#



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: 23.42 min Scan# 1540

Delta R.T. -0.04 min

Lab File: BM003580.D

Acq: 16 Dec 2015 16:42

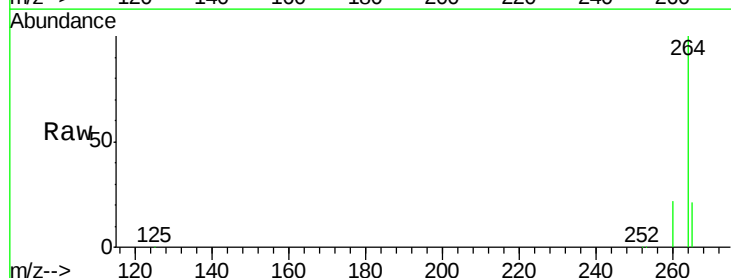
Tgt Ion:252 Resp: 5044

Ion Ratio Lower Upper

252 100

253 39.6 19.4 29.2#

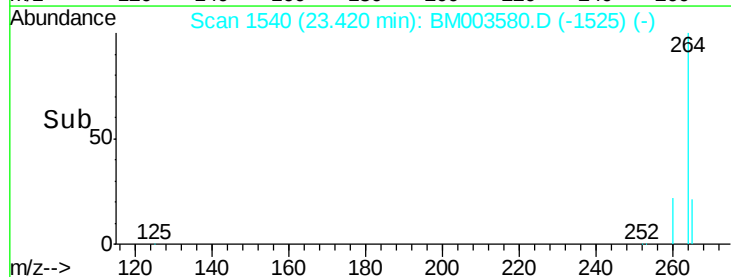
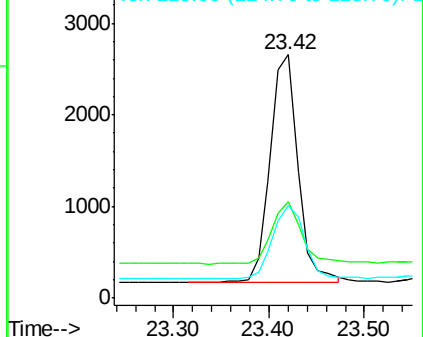
125 38.2 12.7 19.1#

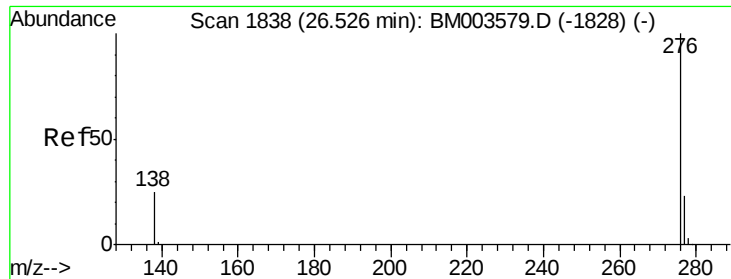


Abundance Ion 252.00 (251.70 to 252.70): E

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: 26.38 min Scan# 1824

Delta R.T. -0.15 min

Lab File: BM003580.D

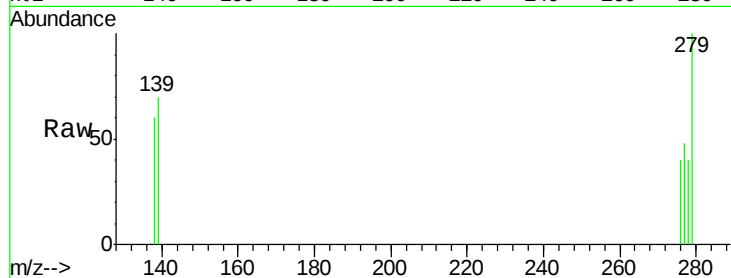
Acq: 16 Dec 2015 16:42

Instrument :

BNA_M

ClientSampleId :

D9N27MS



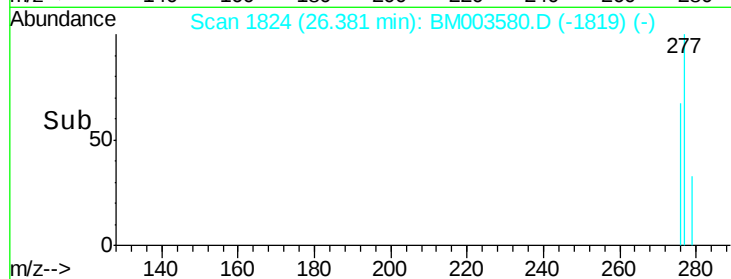
Tgt Ion: 276 Resp: 6

Ion Ratio Lower Upper

276 100

277 120.0 18.9 28.3#

138 151.7 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

