

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121615\
 Data File : BM003586.D
 Acq On : 16 Dec 2015 20:18
 Operator : UM/IZ
 Sample : G4767-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N32

Quant Time: Dec 17 03:01:44 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	3925	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	16143	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	8986	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	996207	0.40	ng/ul	0.10
18) Chrysene-d12	21.31	240	15452	0.40	ng/ul	0.00
22) Perylene-d12	23.41	264	880993	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	18324	10.92	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	5417	0.28	ng/ul	-0.01
16) Fluoranthene-d10	19.15	212	9983	0.00	ng/ul	0.00

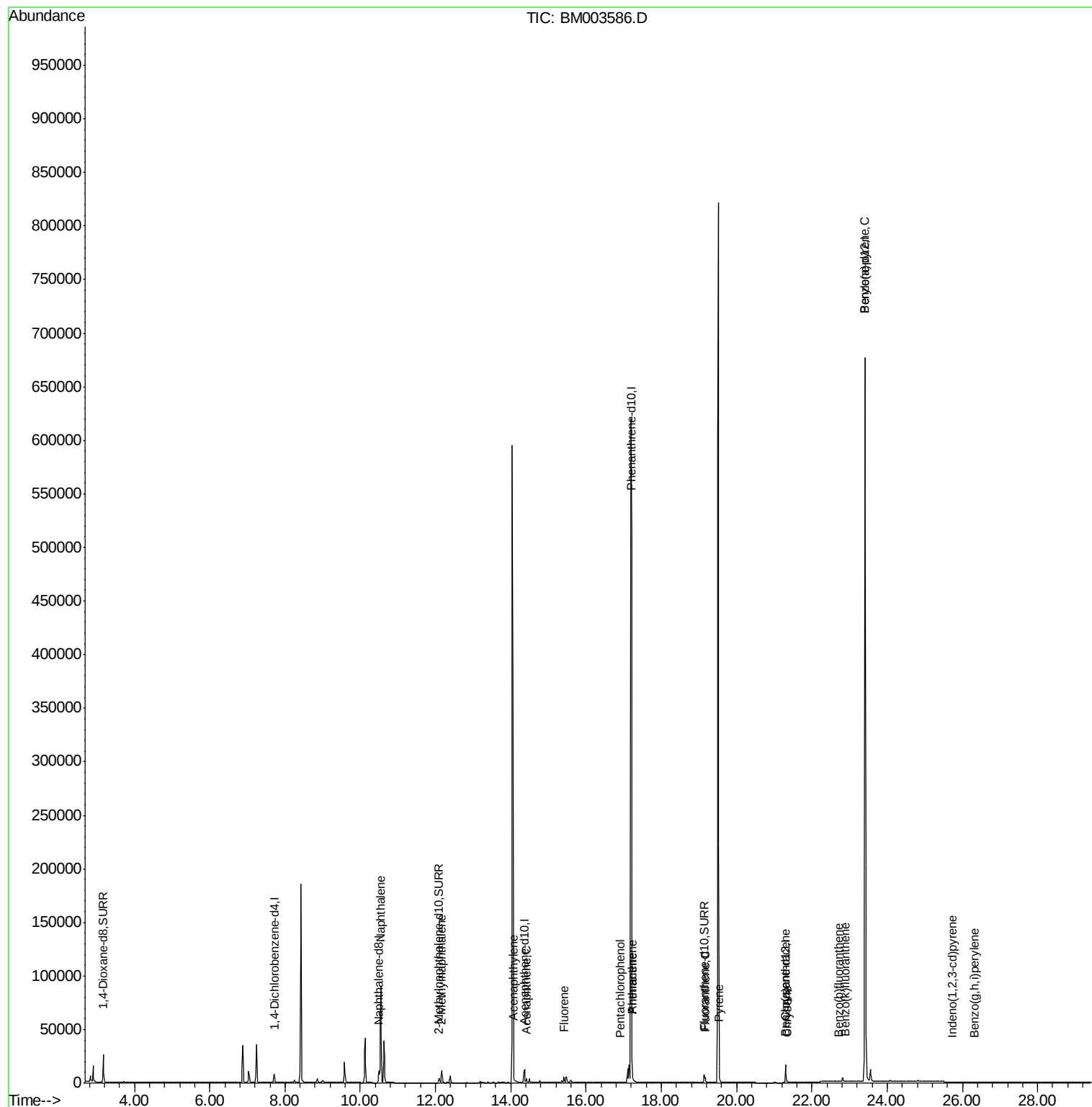
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	122851	3.38	ng/ul	99
7) 2-Methylnaphthalene	12.16	142	9362	0.38	ng/ul	99
9) Acenaphthylene	14.07	152	951	0.03	ng/ul#	80
10) Acenaphthene	14.42	153	2038	0.07	ng/ul	89
11) Fluorene	15.41	166	3174	0.10	ng/ul	85
13) Pentachlorophenol	16.92	266	7	0.00	ng/ul#	56
14) Phenanthrene	17.23	178	1039	0.00	ng/ul#	65
15) Anthracene	17.23	178	1088	0.00	ng/ul#	65
17) Fluoranthene	19.17	202	4685	0.00	ng/ul	95
19) Pyrene	19.54	202	5000	0.12	ng/ul#	94
20) Benzo(a)anthracene	21.29	228	961	0.03	ng/ul#	77
21) Chrysene	21.34	228	1169	0.03	ng/ul#	85
23) Benzo(b)fluoranthene	22.73	252	16	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.88	252	1447	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.41	252	3837	0.00	ng/ul#	50
26) Indeno(1,2,3-cd)pyrene	25.74	276	464	0.00	ng/ul#	53
28) Benzo(g,h,i)perylene	26.32	276	13	0.00	ng/ul#	1

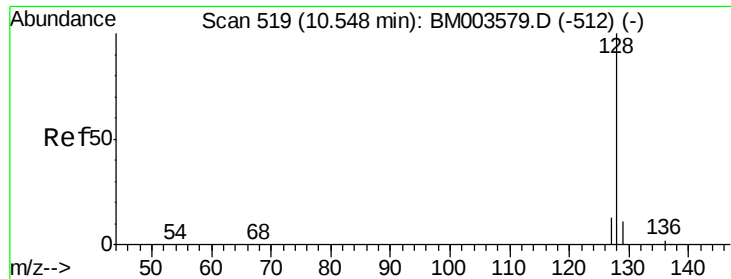
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 3.38 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003586.D

Acq: 16 Dec 2015 20:18

Instrument :

BNA_M

ClientSampleId :

D9N32

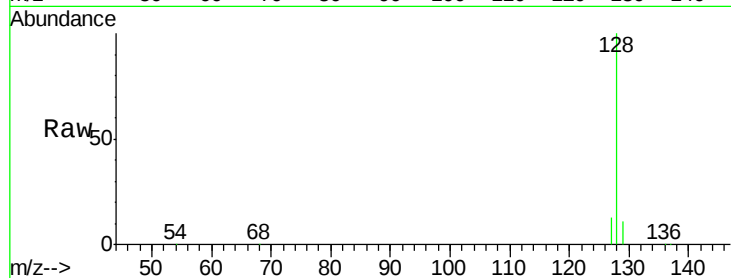
Tgt Ion:128 Resp: 122851

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

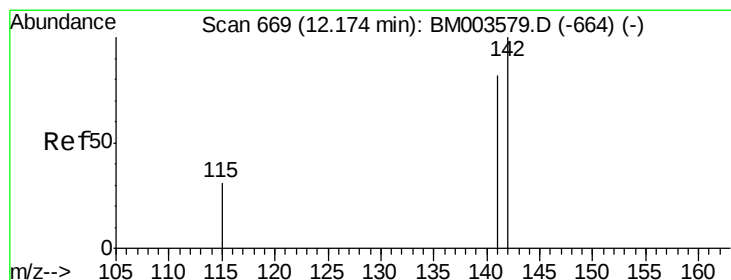
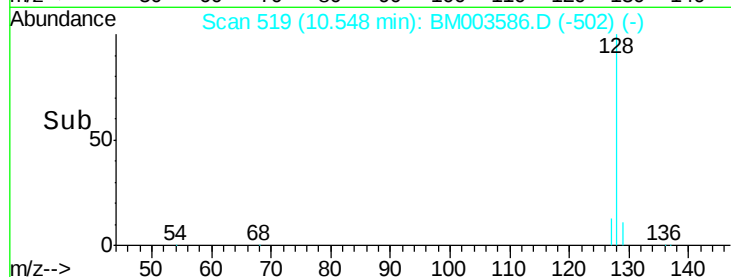
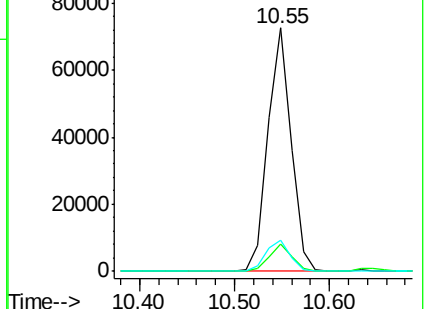
127 12.6 9.6 14.4



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: 0.38 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM003586.D

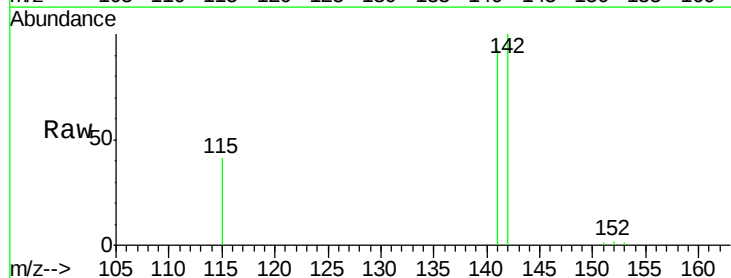
Acq: 16 Dec 2015 20:18

Tgt Ion:142 Resp: 9362

Ion Ratio Lower Upper

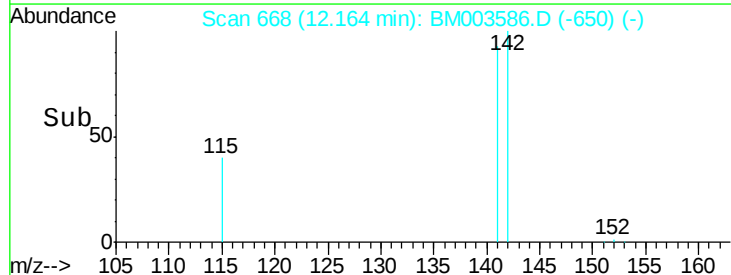
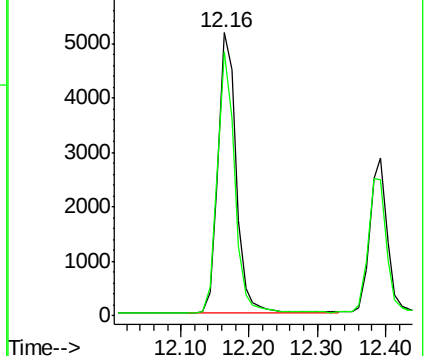
142 100

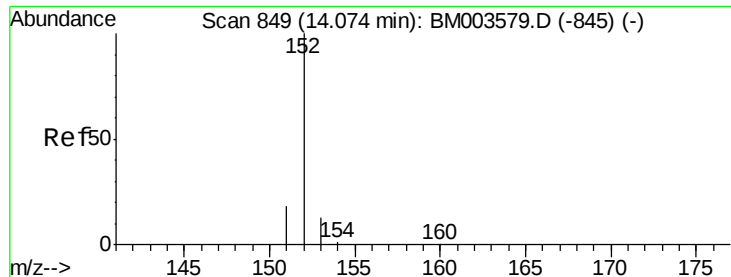
141 88.9 70.3 105.5



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: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003586.D

Acq: 16 Dec 2015 20:18

Instrument :

BNA_M

ClientSampleId :

D9N32

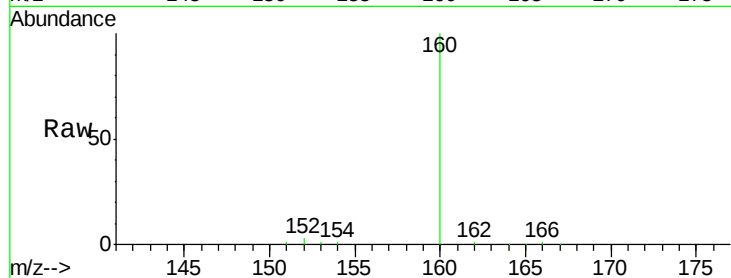
Tgt Ion:152 Resp: 951

Ion Ratio Lower Upper

152 100

151 27.8 17.6 26.4#

153 25.4 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

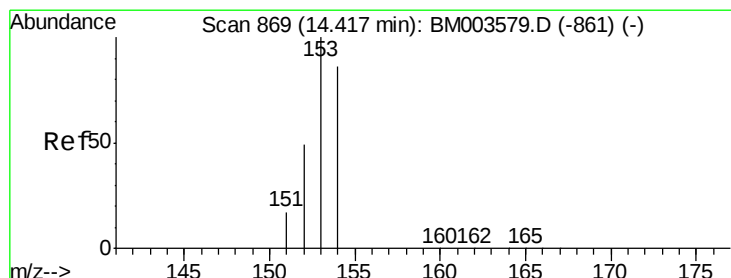
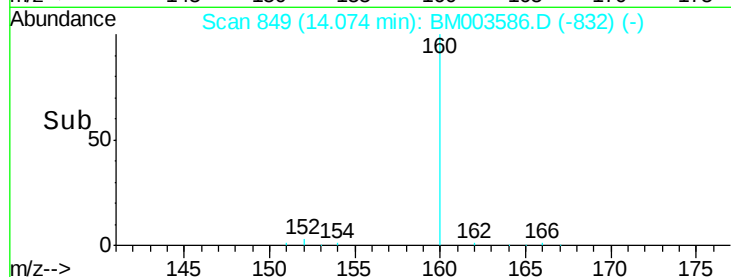
14.07

400

200

0

Time-->



#10

Acenaphthene

Concen: 0.07 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003586.D

Acq: 16 Dec 2015 20:18

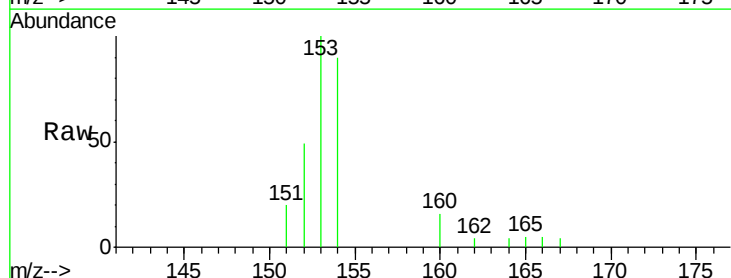
Tgt Ion:153 Resp: 2038

Ion Ratio Lower Upper

153 100

152 49.0 33.9 50.9

154 89.8 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

14.42

4000

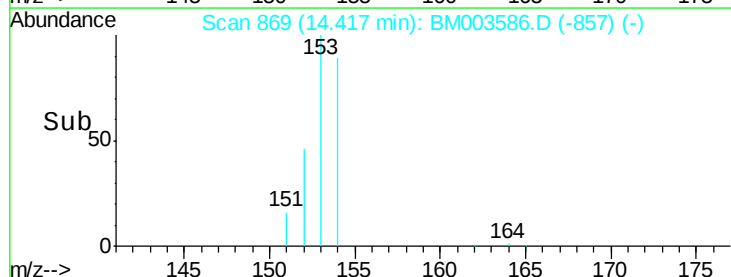
3000

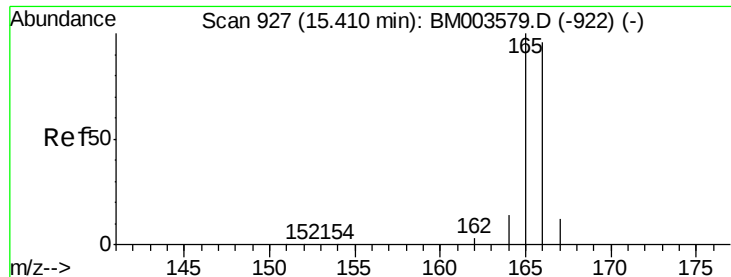
2000

1000

0

Time-->





#11

Fluorene

Concen: 0.10 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM003586.D

Acq: 16 Dec 2015 20:18

Instrument :

BNA_M

ClientSampleId :

D9N32

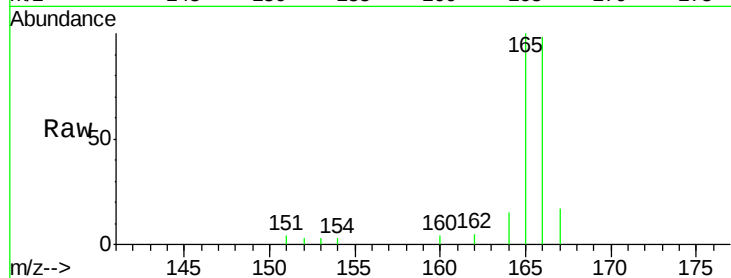
Tgt Ion:166 Resp: 3174

Ion Ratio Lower Upper

166 100

165 102.2 69.6 104.4

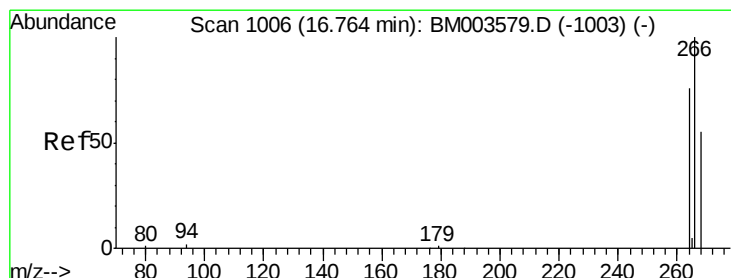
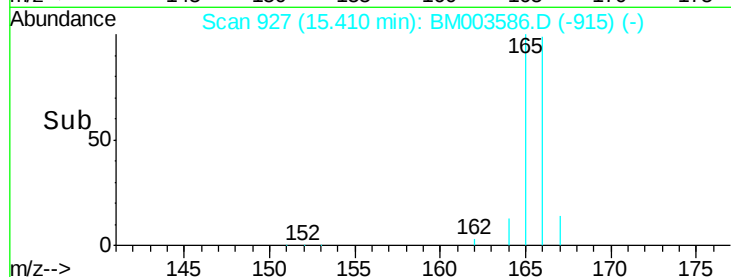
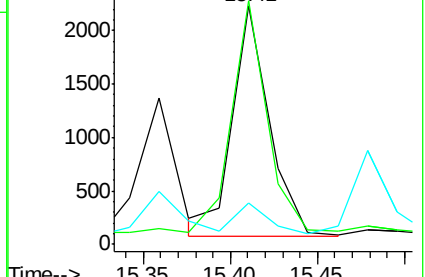
167 17.3 11.9 17.9



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: 16.92 min Scan# 1015

Delta R.T. 0.15 min

Lab File: BM003586.D

Acq: 16 Dec 2015 20:18

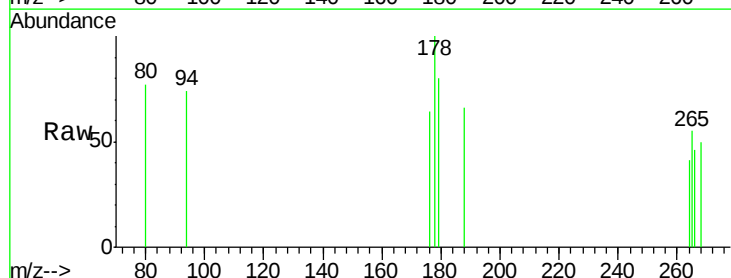
Tgt Ion:266 Resp: 7

Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

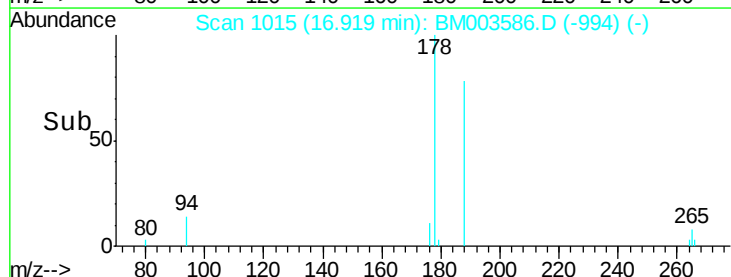
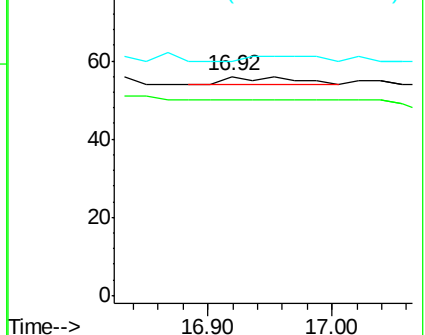
268 57.1 46.8 70.2

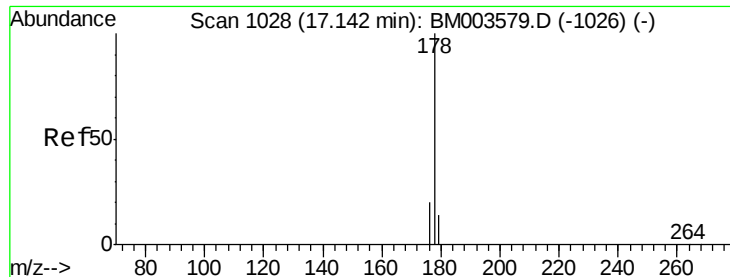


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.09 min

Lab File: BM003586.D

Acq: 16 Dec 2015 20:18

Instrument :

BNA_M

ClientSampleId :

D9N32

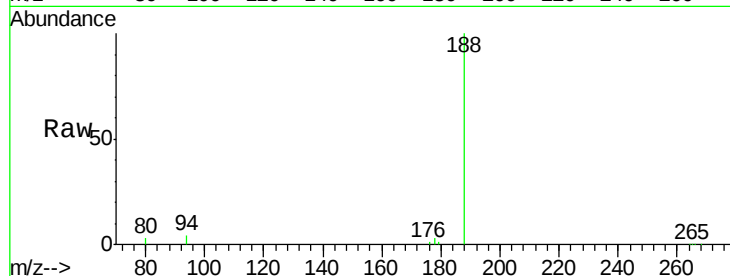
Tgt Ion:178 Resp: 1039

Ion Ratio Lower Upper

178 100

176 27.8 13.0 19.4#

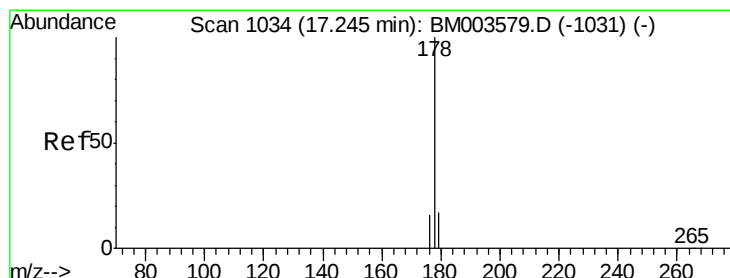
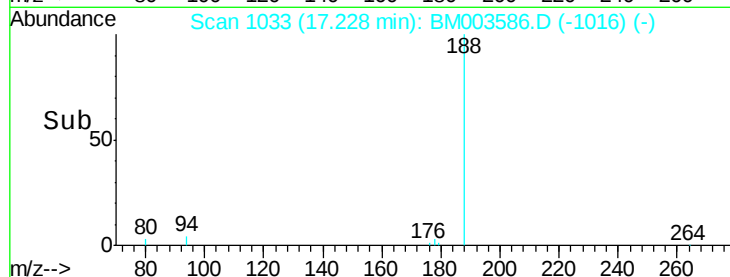
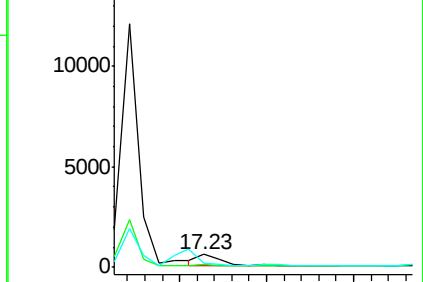
179 36.2 14.2 21.2#



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: 0.00 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM003586.D

Acq: 16 Dec 2015 20:18

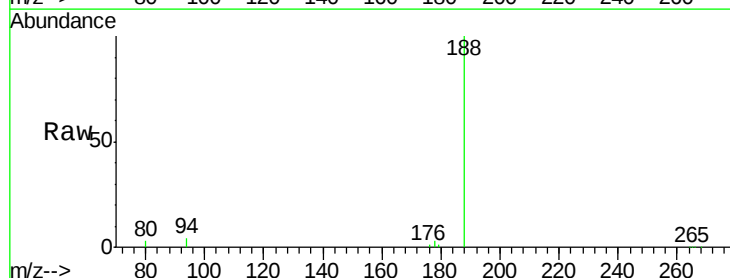
Tgt Ion:178 Resp: 1088

Ion Ratio Lower Upper

178 100

176 27.8 14.0 21.0#

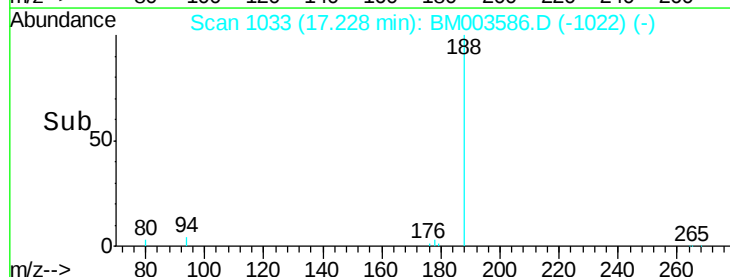
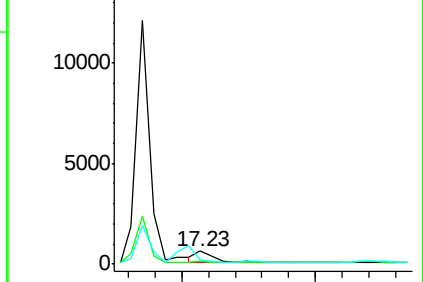
179 36.2 12.9 19.3#

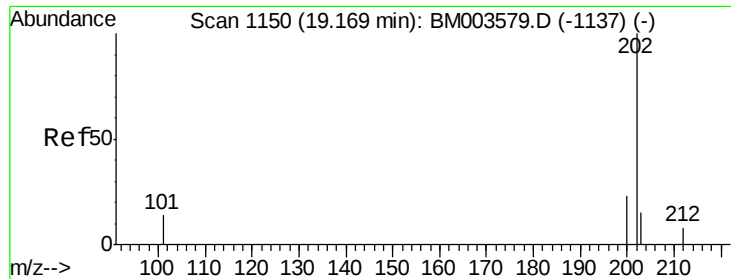


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

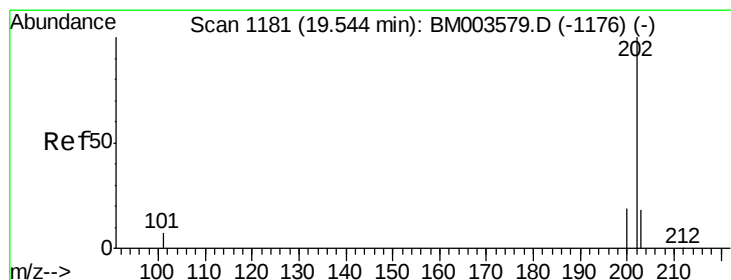
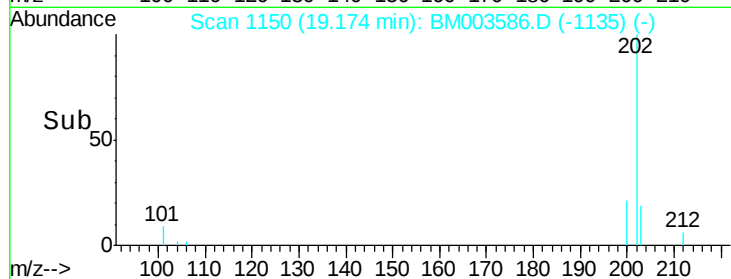
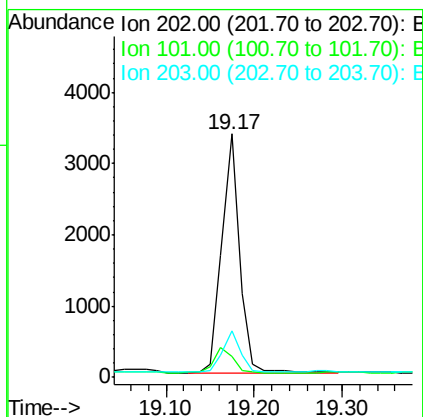
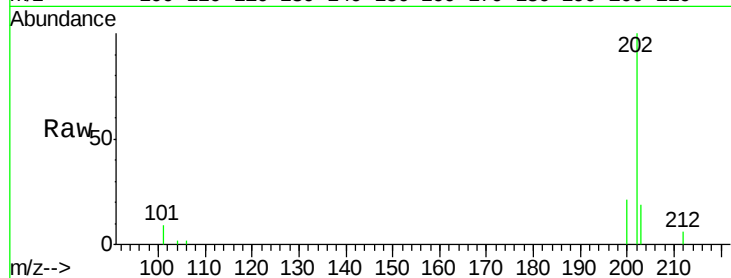




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.17 min Scan# 1150
 Delta R.T. 0.01 min
 Lab File: BM003586.D
 Acq: 16 Dec 2015 20:18

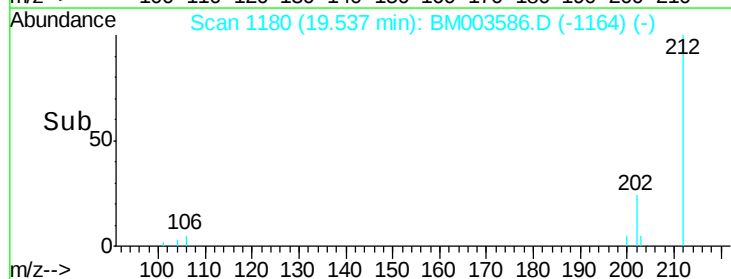
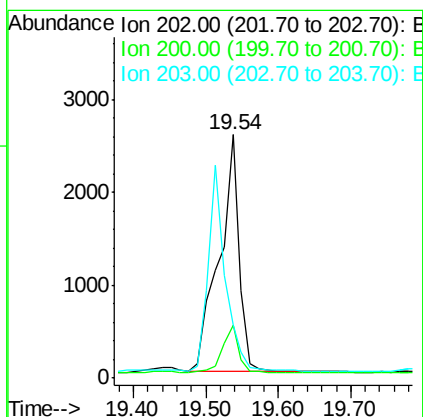
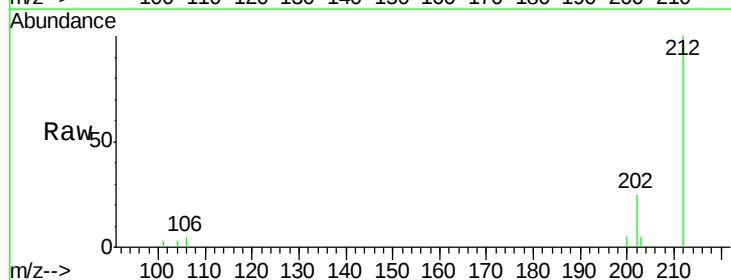
Instrument :
 BNA_M
 ClientSampleId :
 D9N32

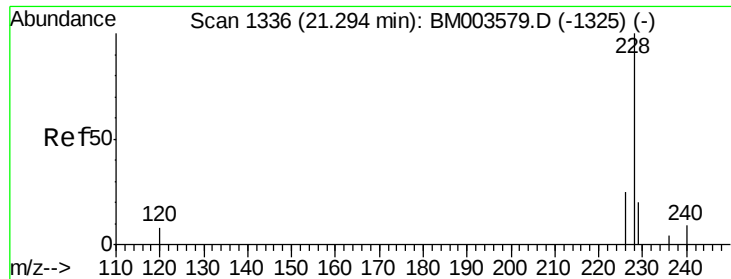
Tgt Ion:202 Resp: 4685
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 29.6
 203 19.3 0.0 36.3



#19
Pyrene
 Concen: 0.12 ng/ul
 RT: 19.54 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BM003586.D
 Acq: 16 Dec 2015 20:18

Tgt Ion:202 Resp: 5000
 Ion Ratio Lower Upper
 202 100
 200 21.9 17.8 26.8
 203 21.9 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.03 ng/u1

RT: 21.29 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BM003586.D

Acq: 16 Dec 2015 20:18

Instrument :

BNA_M

ClientSampleId :

D9N32

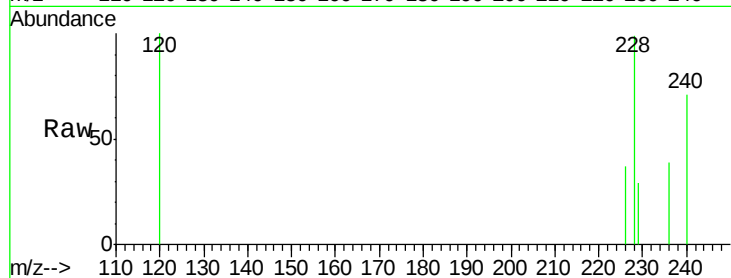
Tgt Ion:228 Resp: 961

Ion Ratio Lower Upper

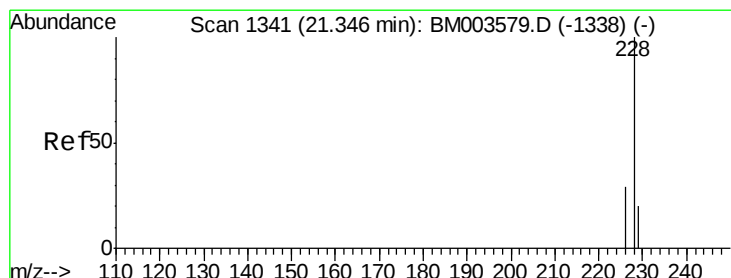
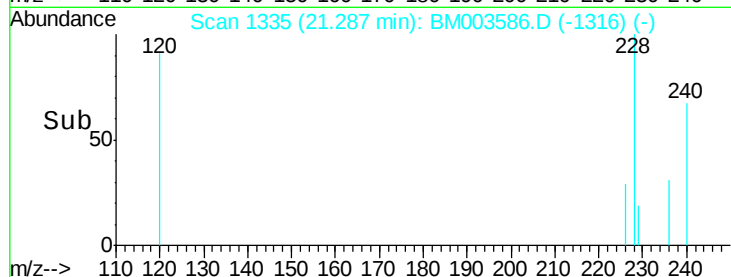
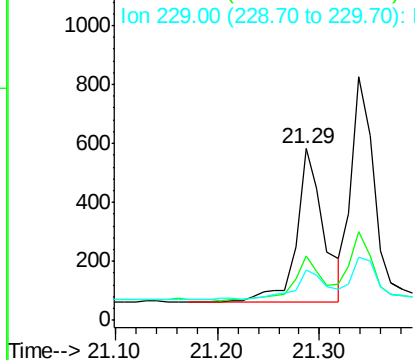
228 100

226 37.6 18.8 28.2#

229 29.0 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: 0.03 ng/u1

RT: 21.34 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BM003586.D

Acq: 16 Dec 2015 20:18

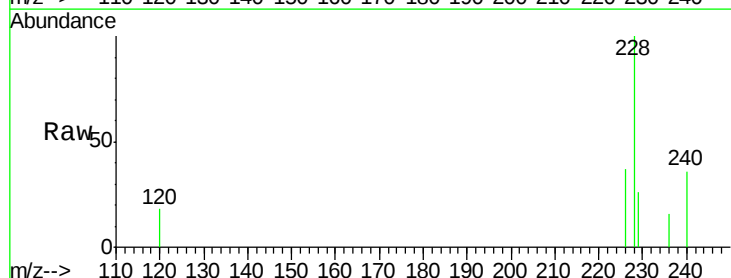
Tgt Ion:228 Resp: 1169

Ion Ratio Lower Upper

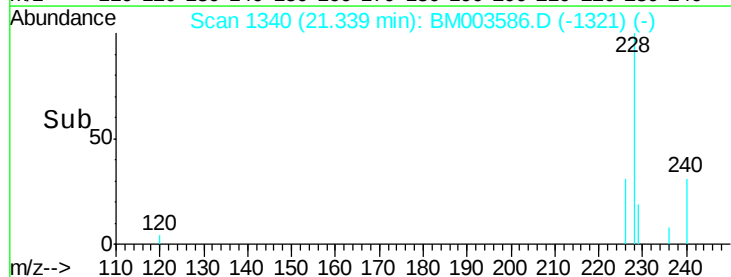
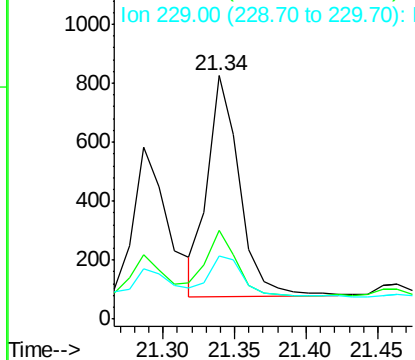
228 100

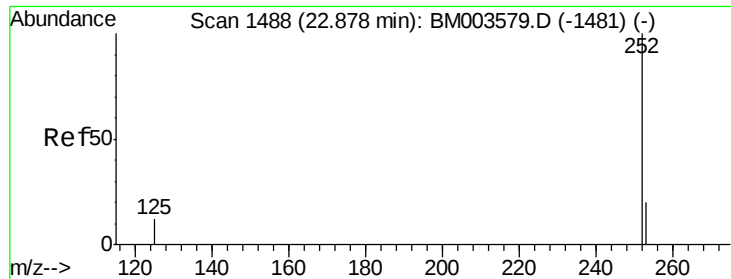
226 36.6 21.2 31.8#

229 25.8 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: 22.73 min Scan# 1473

Delta R.T. -0.15 min

Lab File: BM003586.D

Acq: 16 Dec 2015 20:18

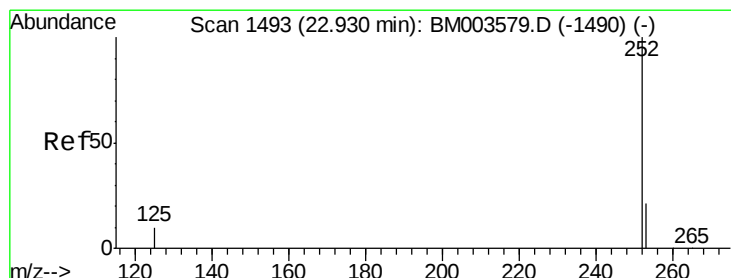
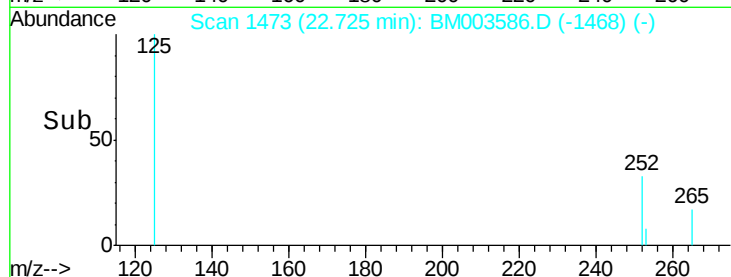
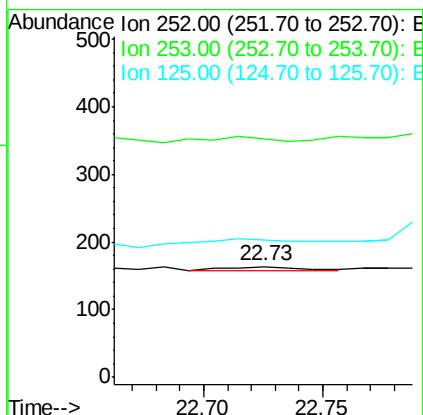
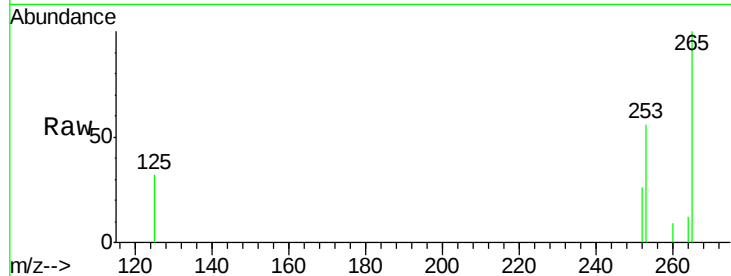
Instrument :

BNA_M

ClientSampleId :

D9N32

Tgt Ion:	252	Resp:	16
Ion Ratio	Lower	Upper	
252	100		
253	214.6	0.0	45.4#
125	123.8	0.0	28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

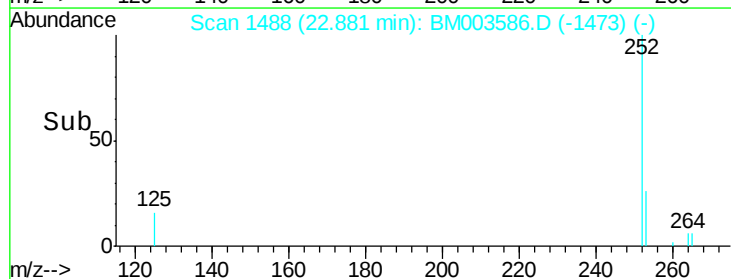
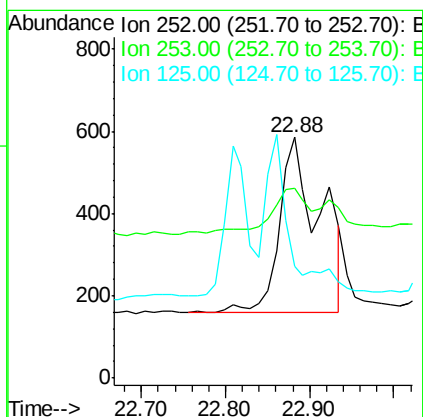
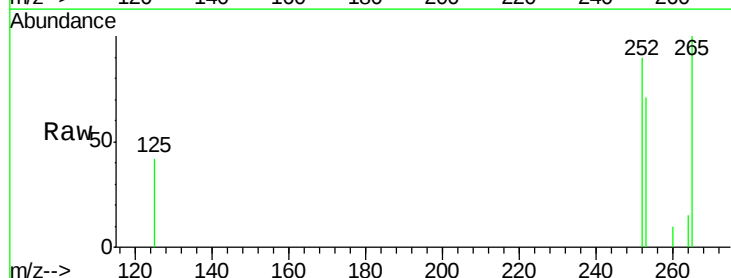
RT: 22.88 min Scan# 1488

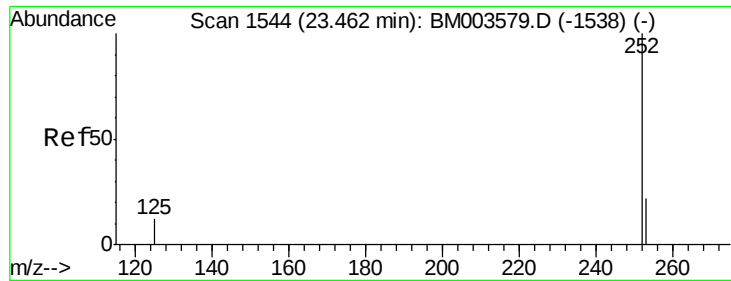
Delta R.T. -0.05 min

Lab File: BM003586.D

Acq: 16 Dec 2015 20:18

Tgt Ion:	252	Resp:	1447
Ion Ratio	Lower	Upper	
252	100		
253	78.7	19.8	29.8#
125	46.2	10.4	15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.41 min Scan# 1539

Delta R.T. -0.05 min

Lab File: BM003586.D

Acq: 16 Dec 2015 20:18

Instrument :

BNA_M

ClientSampleId :

D9N32

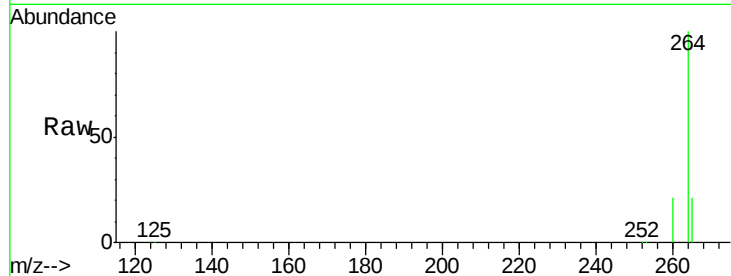
Tgt Ion:252 Resp: 3837

Ion Ratio Lower Upper

252 100

253 44.5 19.4 29.2#

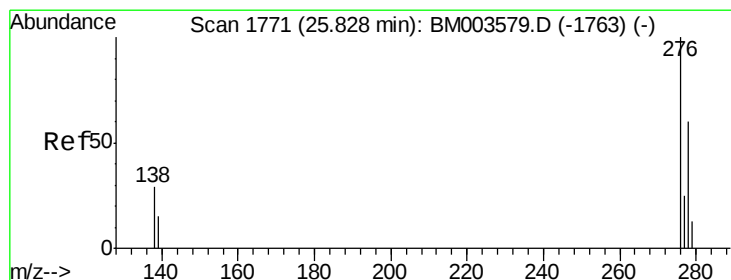
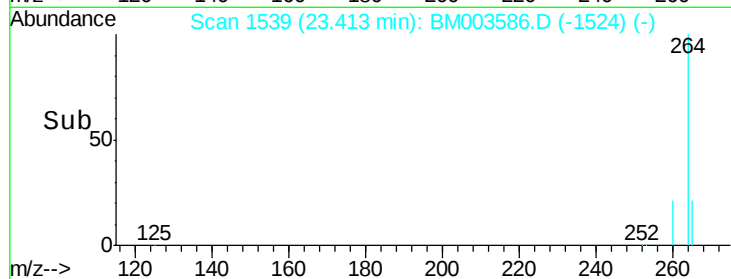
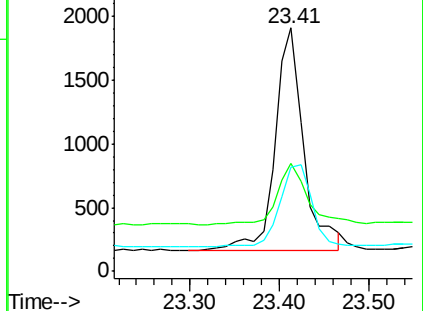
125 42.7 12.7 19.1#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/u1

RT: 25.74 min Scan# 1762

Delta R.T. -0.09 min

Lab File: BM003586.D

Acq: 16 Dec 2015 20:18

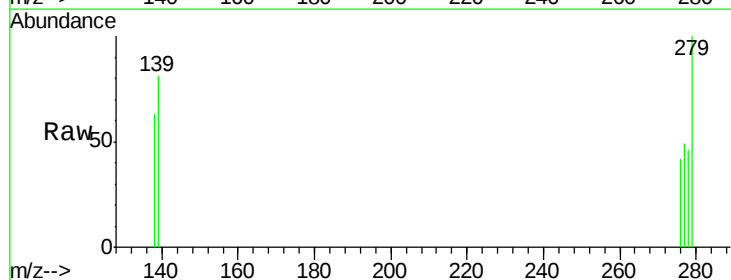
Tgt Ion:276 Resp: 464

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

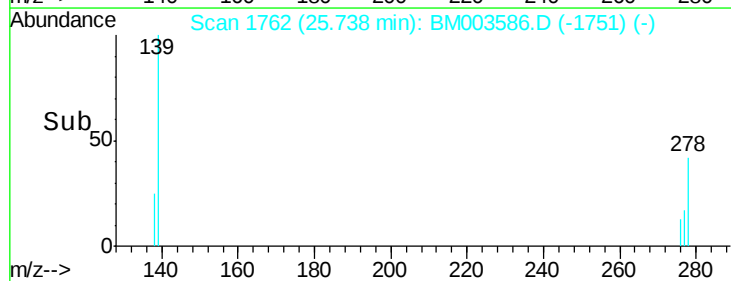
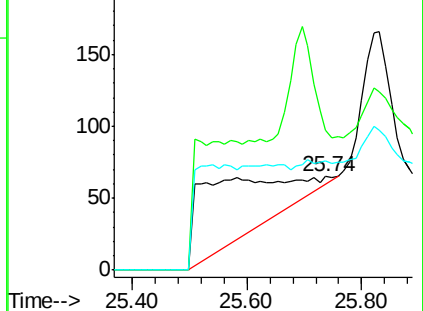
277 0.0 19.8 29.8#

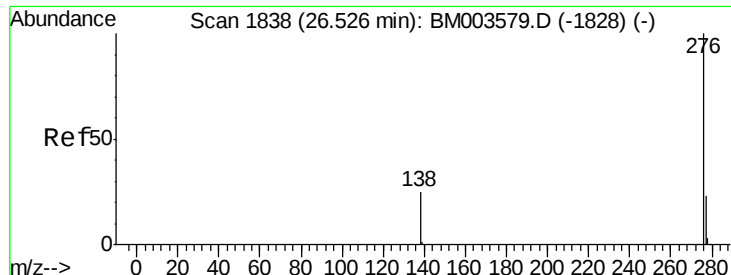


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.32 min Scan# 1818

Delta R.T. -0.20 min

Lab File: BM003586.D

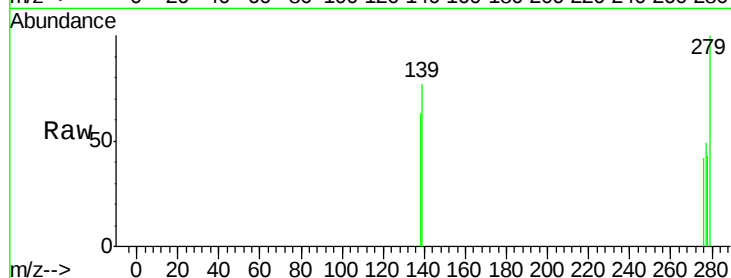
Acq: 16 Dec 2015 20:18

Instrument :

BNA_M

ClientSampleId :

D9N32



Tgt Ion: 276 Resp: 13

Ion Ratio Lower Upper

276 100

277 118.0 18.9 28.3#

138 150.8 22.5 33.7#

