

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121615\
 Data File : BM003582.D
 Acq On : 16 Dec 2015 17:54
 Operator : UM/IZ
 Sample : G4767-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N28

Quant Time: Dec 17 03:00:35 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

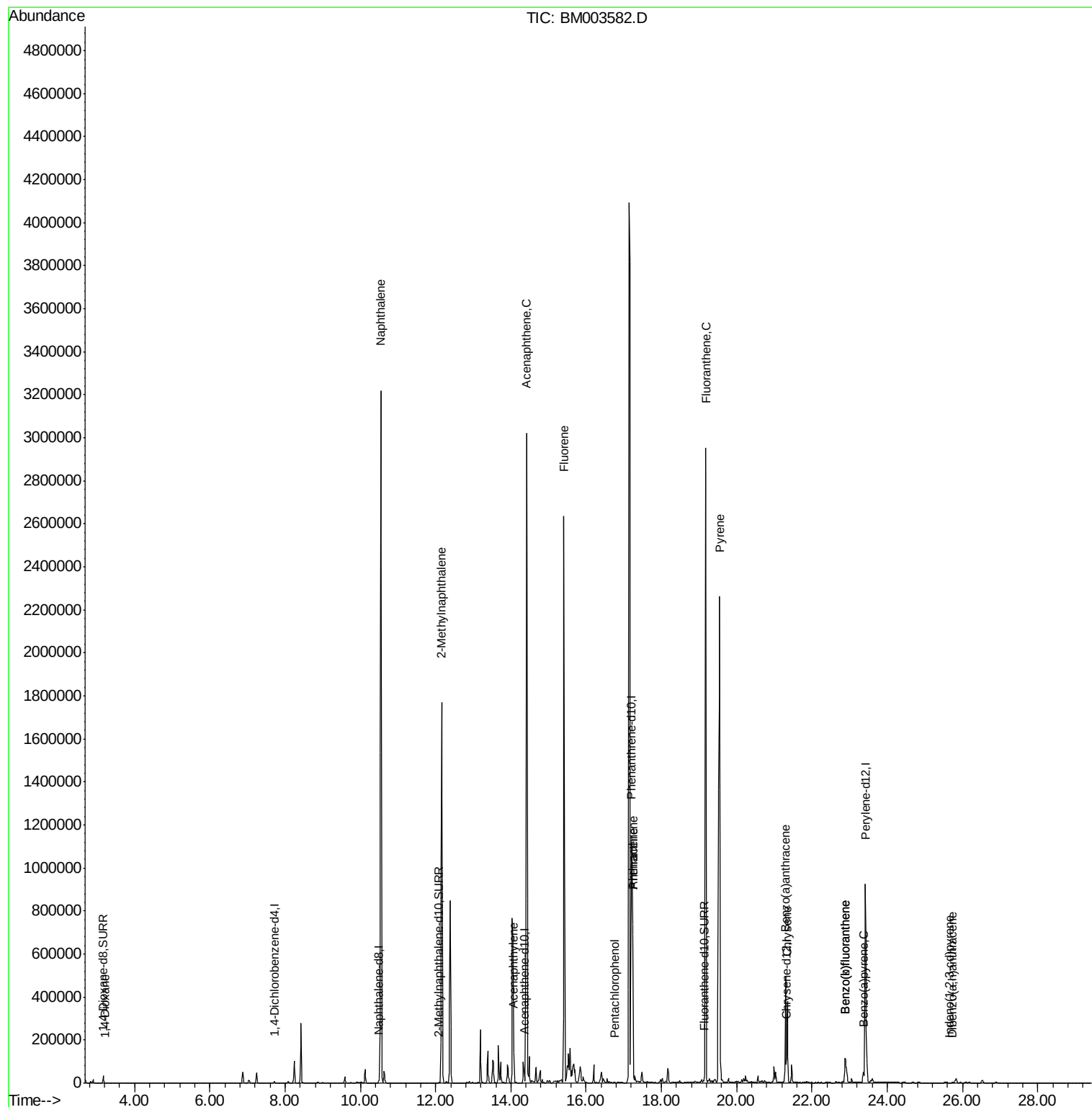
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	4813	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	20236	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	15065	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	1445544	0.40	ng/ul	0.10
18) Chrysene-d12	21.31	240	20472	0.40	ng/ul	0.00
22) Perylene-d12	23.42	264	1187882	0.40	ng/ul	-0.15
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	23804	11.57	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	8081	0.33	ng/ul	-0.01
16) Fluoranthene-d10	19.14	212	16556	0.01	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.21	88	768	0.29	ng/ul#	100
5) Naphthalene	10.55	128	4693288	102.95	ng/ul	97
7) 2-Methylnaphthalene	12.16	142	1281534	41.87	ng/ul	99
9) Acenaphthylene	14.07	152	123675	2.15	ng/ul#	90
10) Acenaphthene	14.42	153	1839359	39.66	ng/ul	86
11) Fluorene	15.41	166	1811049	35.22	ng/ul	84
13) Pentachlorophenol	16.76	266	222	0.00	ng/ul	98
14) Phenanthrene	17.24	178	1101218	0.30	ng/ul	99
15) Anthracene	17.24	178	1108826	0.34	ng/ul	95
17) Fluoranthene	19.18	202	3282888	0.81	ng/ul	92
19) Pyrene	19.54	202	2307509	41.75	ng/ul	95
20) Benzo(a)anthracene	21.29	228	469895	9.40	ng/ul	98
21) Chrysene	21.35	228	371971	6.50	ng/ul	98
23) Benzo(b)fluoranthene	22.88	252	136407	0.03	ng/ul	97
24) Benzo(k)fluoranthene	22.88	252	265435	0.07	ng/ul	95
25) Benzo(a)pyrene	23.37	252	74093	0.02	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	25.66	276	629	0.00	ng/ul#	27
27) Dibenzo(a,h)anthracene	25.73	278	2481	0.00	ng/ul#	61

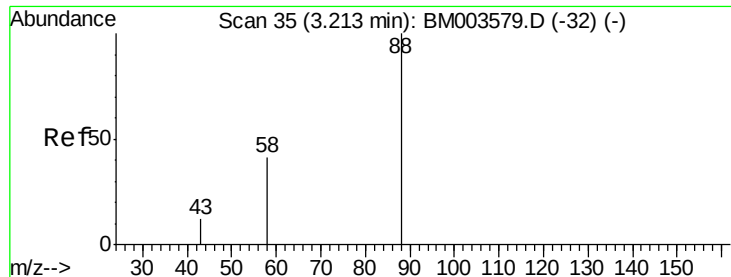
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.29 ng/ul

RT: 3.21 min Scan# 35

Delta R.T. -0.00 min

Lab File: BM003582.D

Acq: 16 Dec 2015 17:54

Instrument :

BNA_M

ClientSampleId :

D9N28

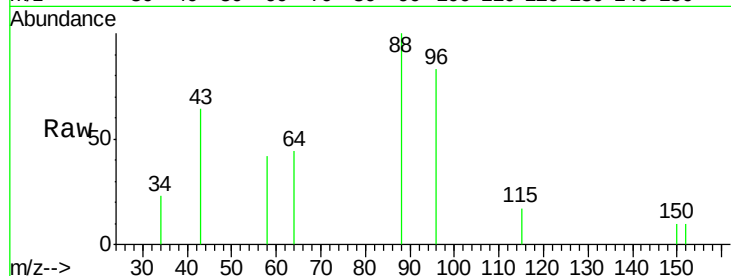
Tgt Ion: 88 Resp: 768

Ion Ratio Lower Upper

88 100

58 55.5 0.0 0.0#

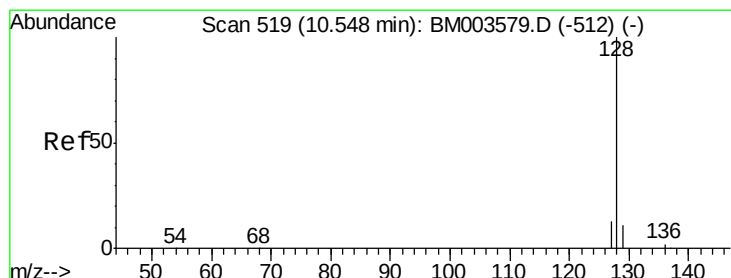
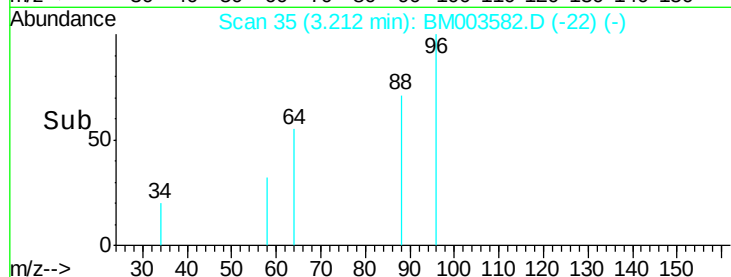
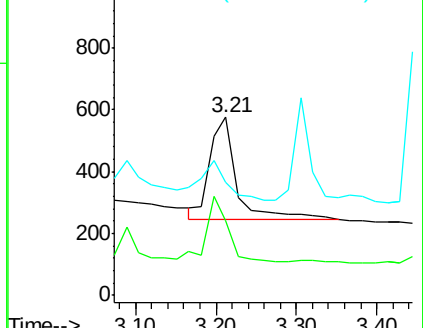
43 39.7 0.0 0.0#



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: 102.95 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.00 min

Lab File: BM003582.D

Acq: 16 Dec 2015 17:54

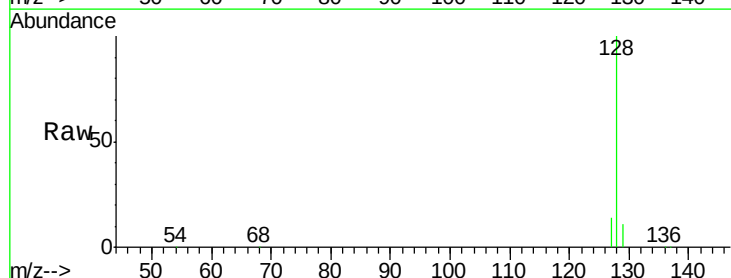
Tgt Ion: 128 Resp: 4693288

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

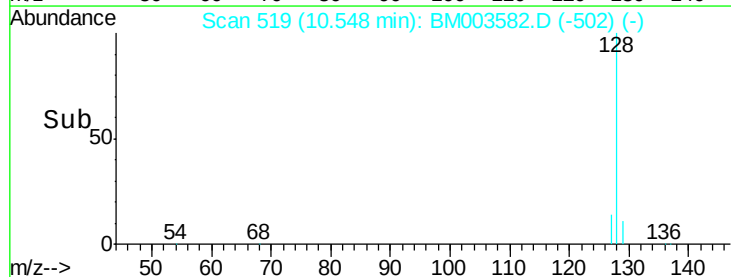
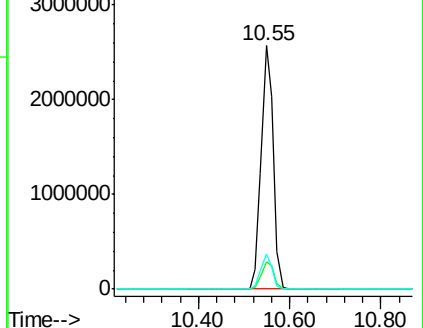
127 14.1 9.6 14.4

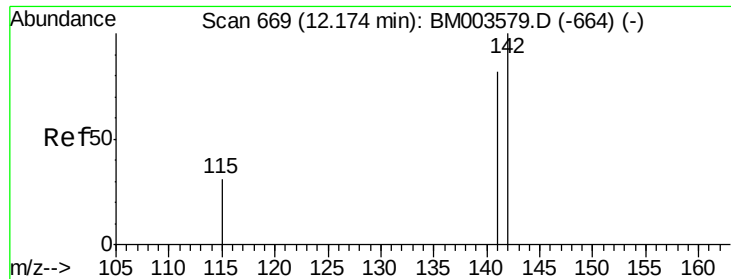


Abundance Ion 128.00 (127.70 to 128.70): BM003579.D (-512) (-)

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: 41.87 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM003582.D

Acq: 16 Dec 2015 17:54

Instrument :

BNA_M

ClientSampleId :

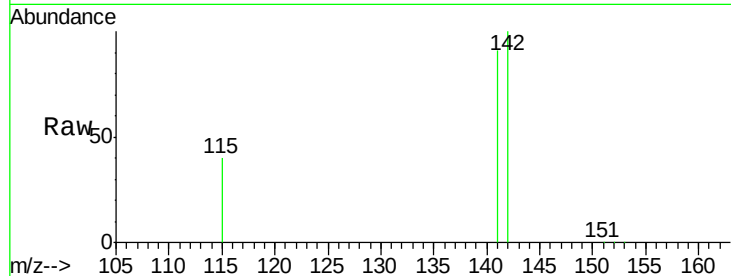
D9N28

Tgt Ion:142 Resp: 1281534

Ion Ratio Lower Upper

142 100

141 88.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.16

800000

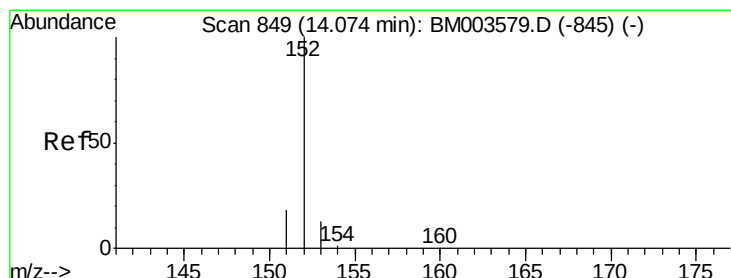
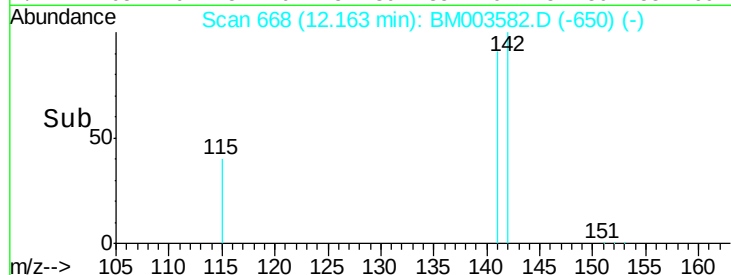
600000

400000

200000

0

Time--> 12.10 12.20 12.30



#9

Acenaphthylene

Concen: 2.15 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. -0.00 min

Lab File: BM003582.D

Acq: 16 Dec 2015 17:54

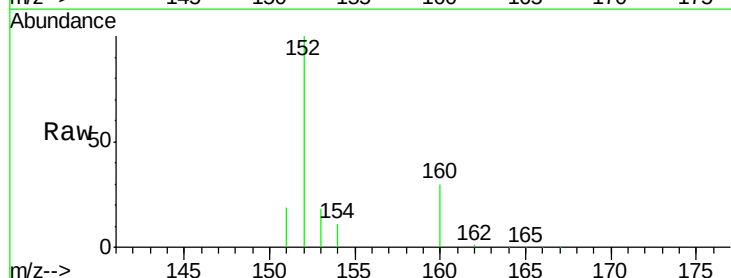
Tgt Ion:152 Resp: 123675

Ion Ratio Lower Upper

152 100

151 18.6 17.6 26.4

153 17.9 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

14.07

100000

80000

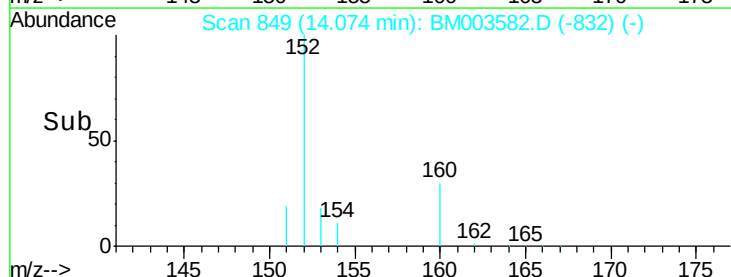
60000

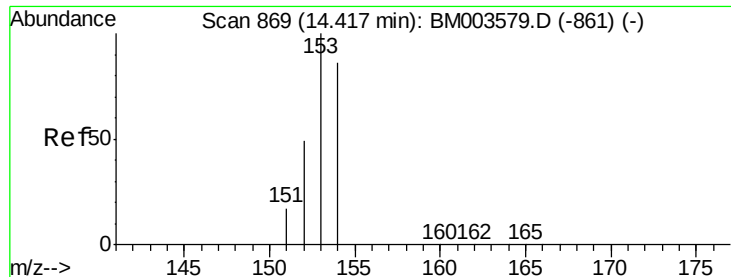
40000

20000

0

Time--> 14.00 14.10 14.20





#10

Acenaphthene

Concen: 39.66 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM003582.D

Acq: 16 Dec 2015 17:54

Instrument :

BNA_M

ClientSampleId :

D9N28

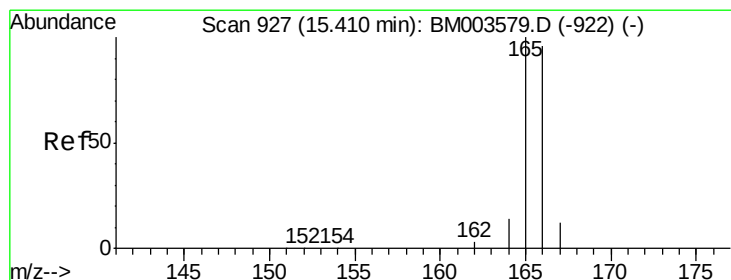
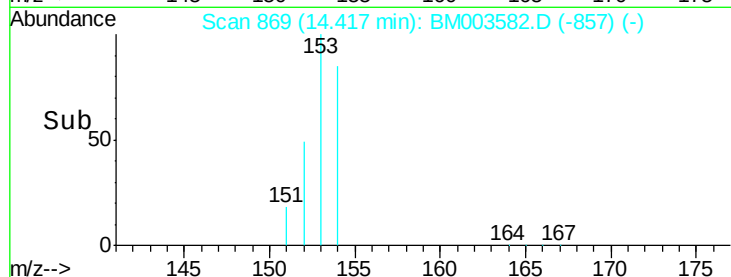
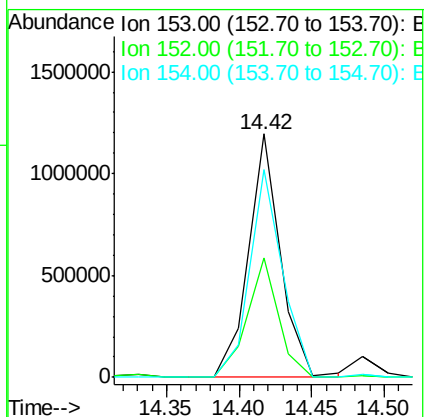
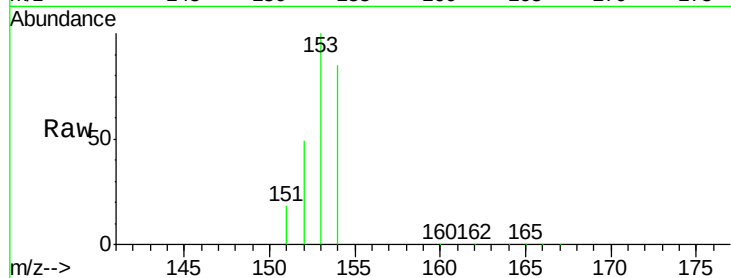
Tgt Ion:153 Resp: 1839359

Ion Ratio Lower Upper

153 100

152 49.2 33.9 50.9

154 85.2 80.6 121.0



#11

Fluorene

Concen: 35.22 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.00 min

Lab File: BM003582.D

Acq: 16 Dec 2015 17:54

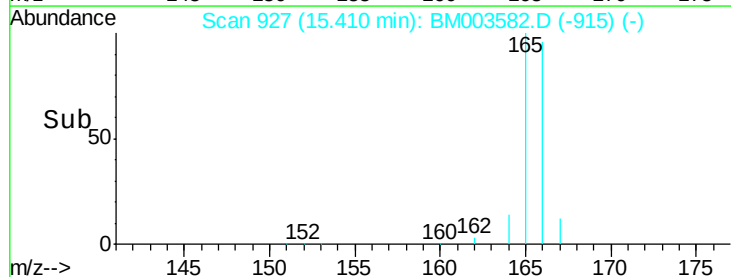
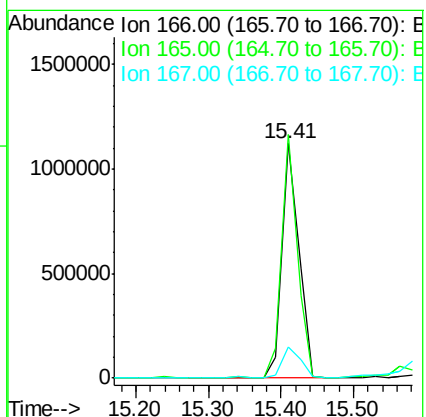
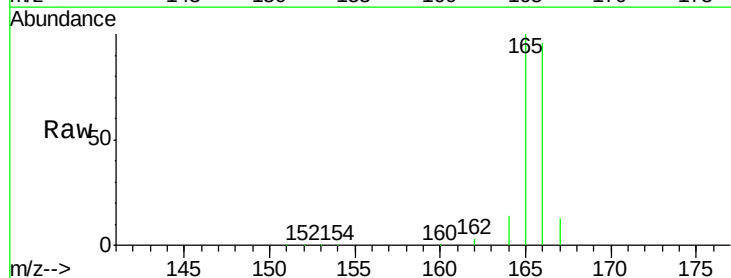
Tgt Ion:166 Resp: 1811049

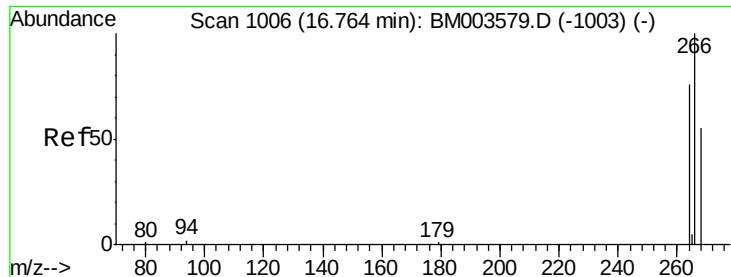
Ion Ratio Lower Upper

166 100

165 104.0 69.6 104.4

167 13.2 11.9 17.9

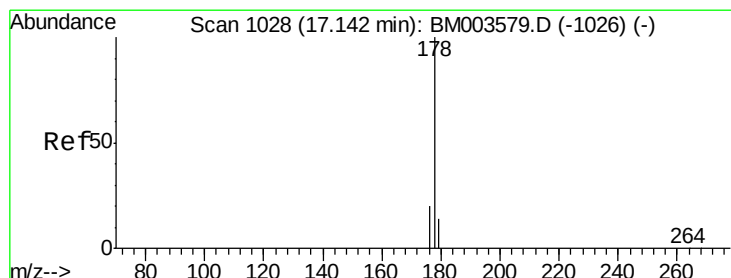
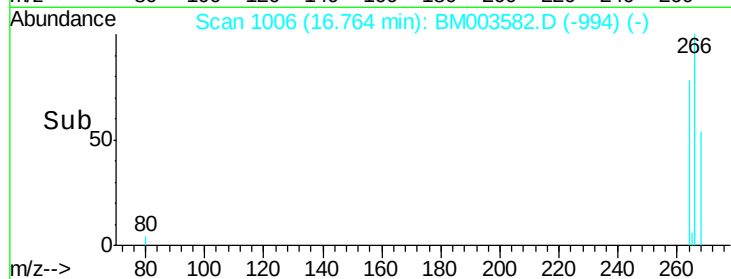
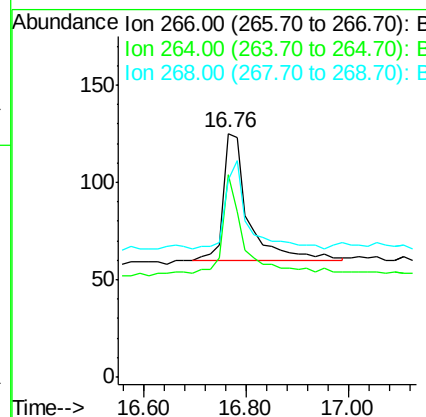
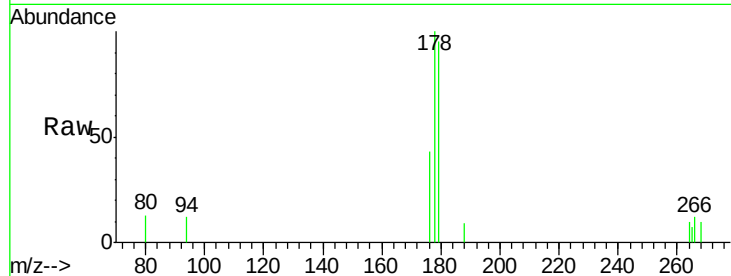




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: BM003582.D
 Acq: 16 Dec 2015 17:54

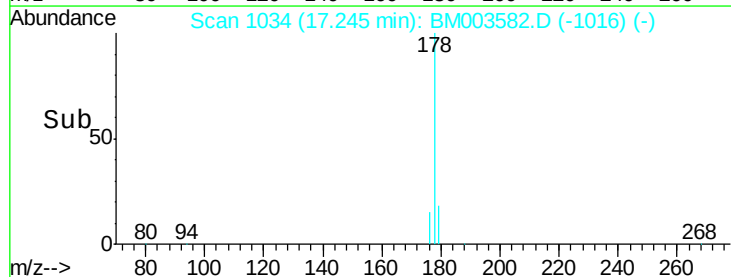
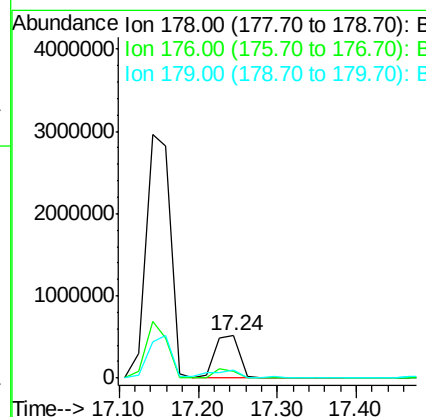
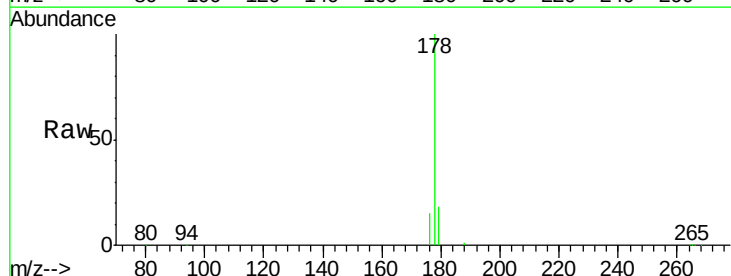
Instrument :
 BNA_M
 ClientSampleId :
 D9N28

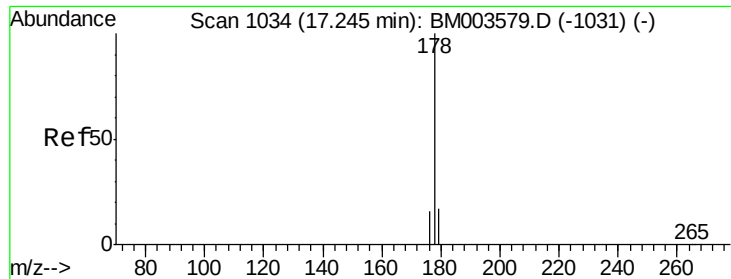
Tgt Ion: 266 Resp: 222
 Ion Ratio Lower Upper
 266 100
 264 65.8 51.8 77.8
 268 59.9 46.8 70.2



#14
 Phenanthrene
 Concen: 0.30 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. 0.10 min
 Lab File: BM003582.D
 Acq: 16 Dec 2015 17:54

Tgt Ion: 178 Resp: 1101218
 Ion Ratio Lower Upper
 178 100
 176 15.4 13.0 19.4
 179 17.9 14.2 21.2





#15

Anthracene

Concen: 0.34 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BM003582.D

Acq: 16 Dec 2015 17:54

Instrument :

BNA_M

ClientSampleId :

D9N28

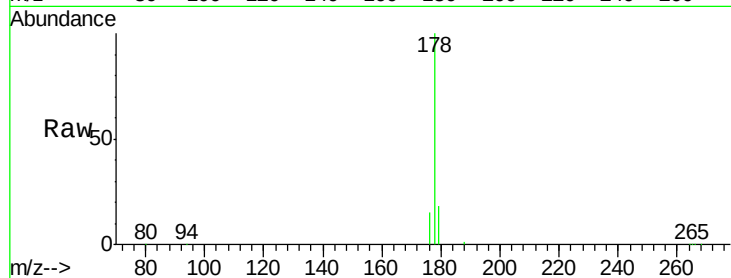
Tgt Ion:178 Resp: 1108826

Ion Ratio Lower Upper

178 100

176 15.4 14.0 21.0

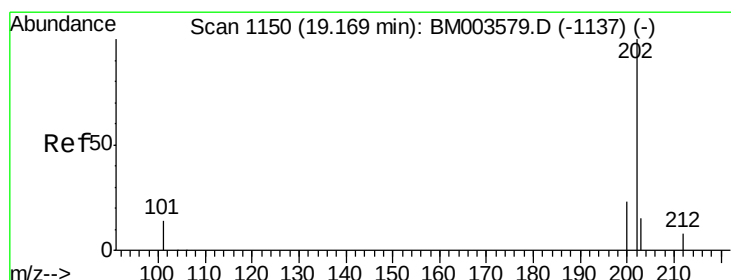
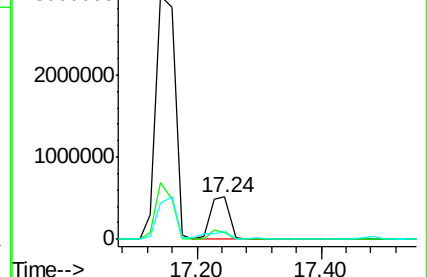
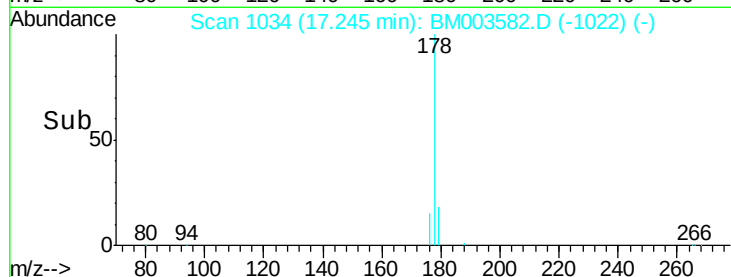
179 17.9 12.9 19.3



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: 0.81 ng/ul

RT: 19.18 min Scan# 1151

Delta R.T. 0.01 min

Lab File: BM003582.D

Acq: 16 Dec 2015 17:54

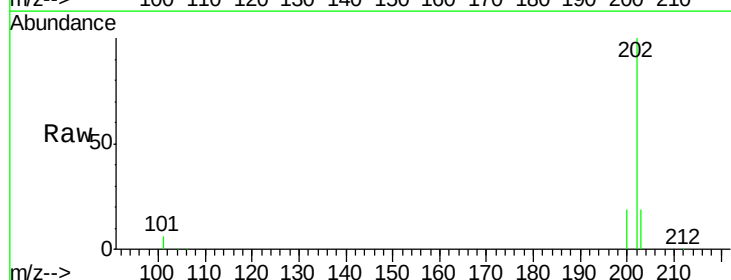
Tgt Ion:202 Resp: 3282888

Ion Ratio Lower Upper

202 100

101 5.7 0.0 29.6

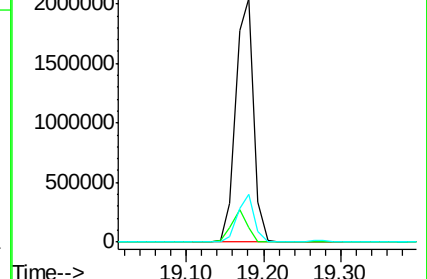
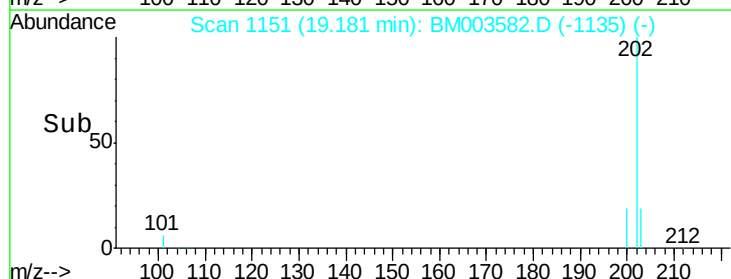
203 19.4 0.0 36.3

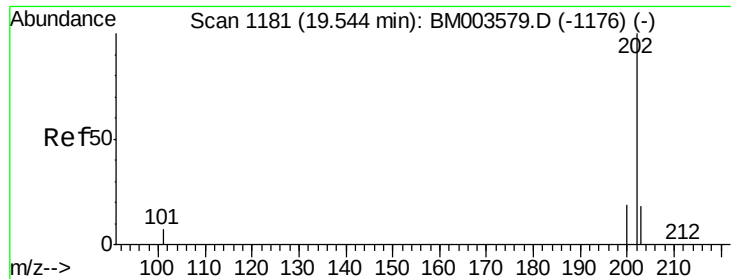


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 41.75 ng/ul

RT: 19.54 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BM003582.D

Acq: 16 Dec 2015 17:54

Instrument :

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D9N28

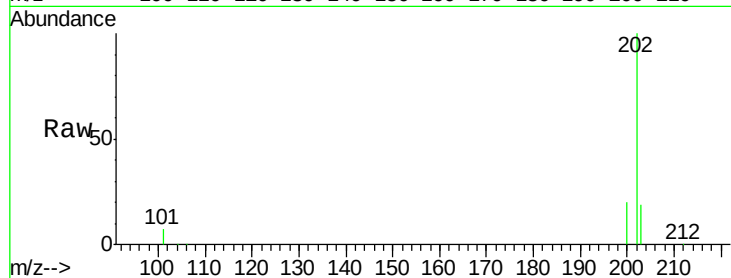
Tgt Ion:202 Resp: 2307509

Ion Ratio Lower Upper

202 100

200 20.0 17.8 26.8

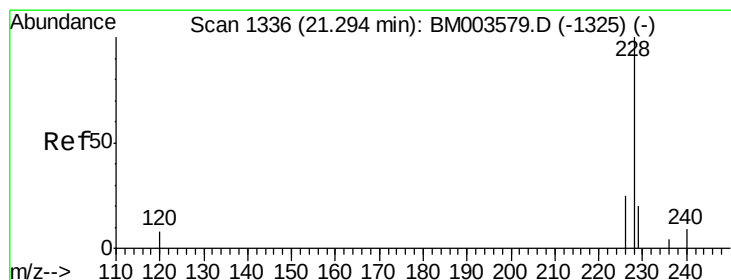
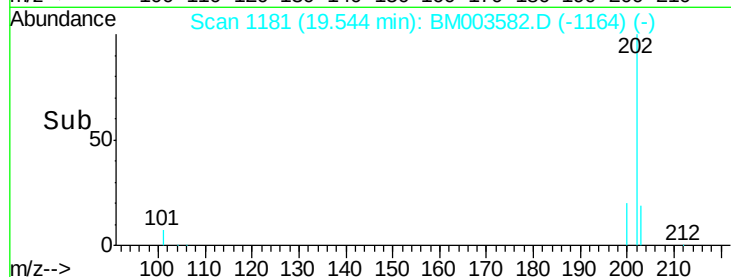
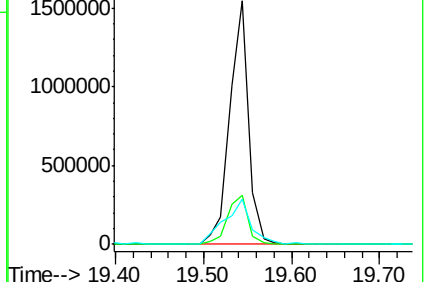
203 18.7 12.8 19.2



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: 9.40 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BM003582.D

Acq: 16 Dec 2015 17:54

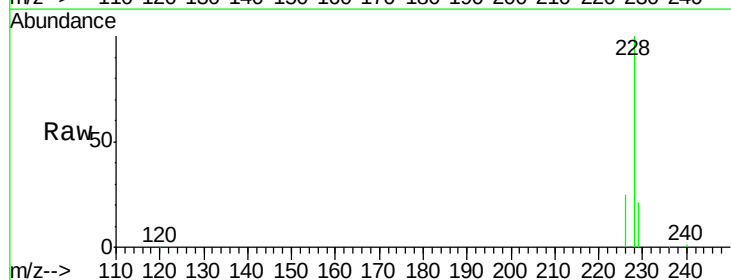
Tgt Ion:228 Resp: 469895

Ion Ratio Lower Upper

228 100

226 25.5 18.8 28.2

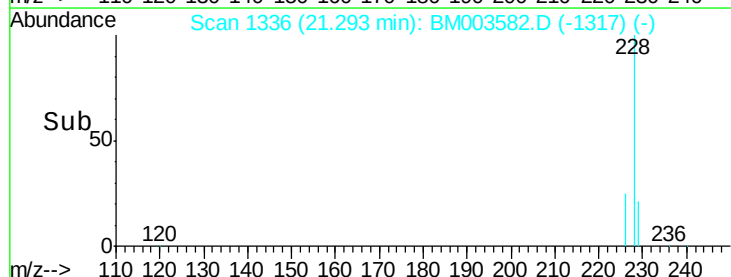
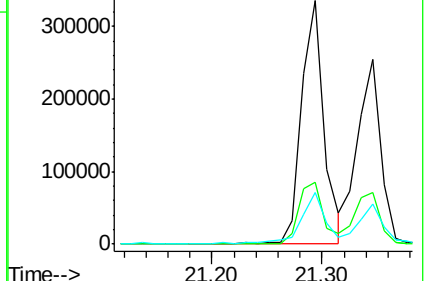
229 21.4 17.1 25.7

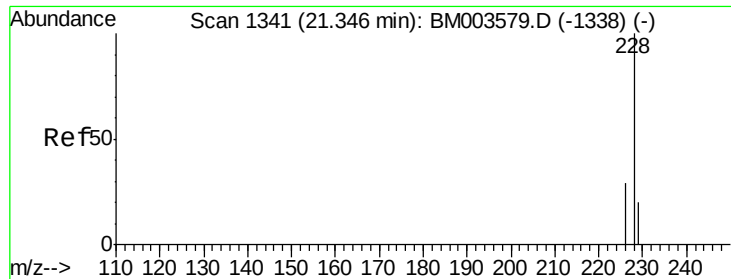


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 6.50 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM003582.D

Acq: 16 Dec 2015 17:54

Instrument :

BNA_M

ClientSampleId :

D9N28

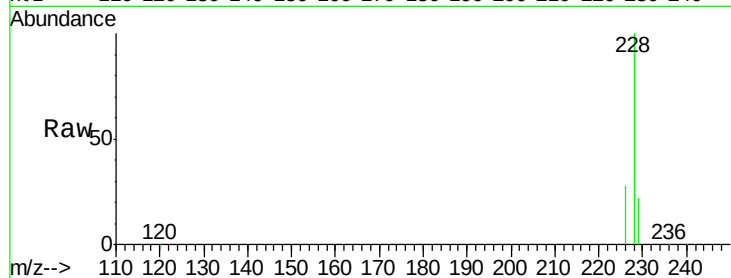
Tgt Ion:228 Resp: 371971

Ion Ratio Lower Upper

228 100

226 28.2 21.2 31.8

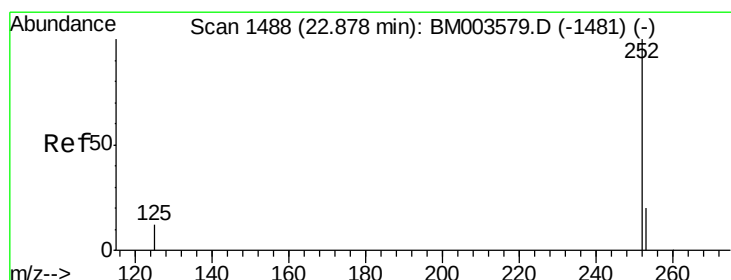
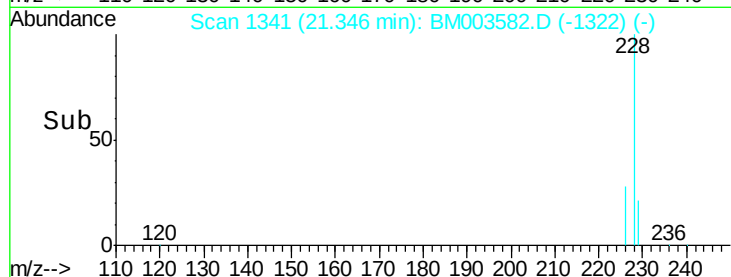
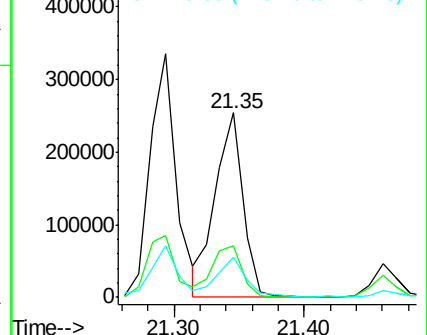
229 21.8 17.0 25.6



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: 0.03 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BM003582.D

Acq: 16 Dec 2015 17:54

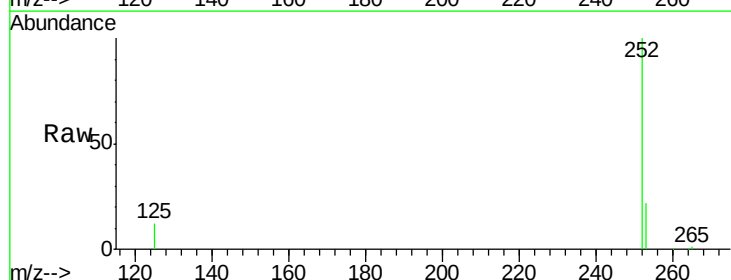
Tgt Ion:252 Resp: 136407

Ion Ratio Lower Upper

252 100

253 21.8 0.0 45.4

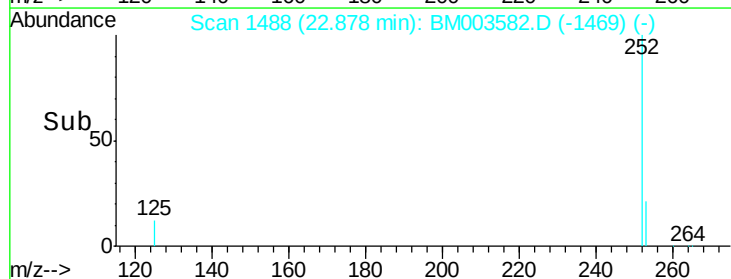
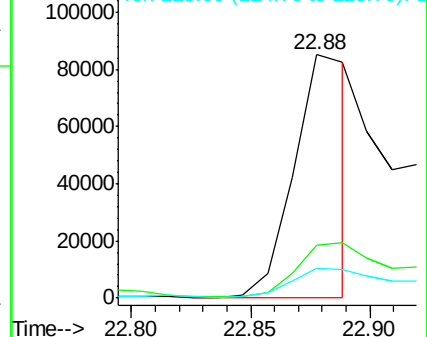
125 12.3 0.0 28.8

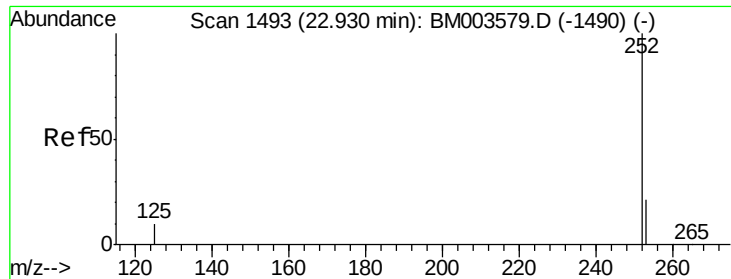


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.07 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.05 min

Lab File: BM003582.D

Acq: 16 Dec 2015 17:54

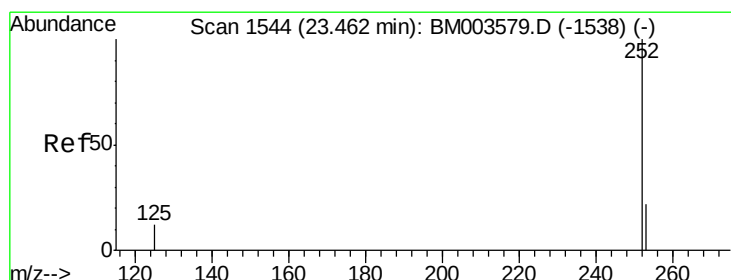
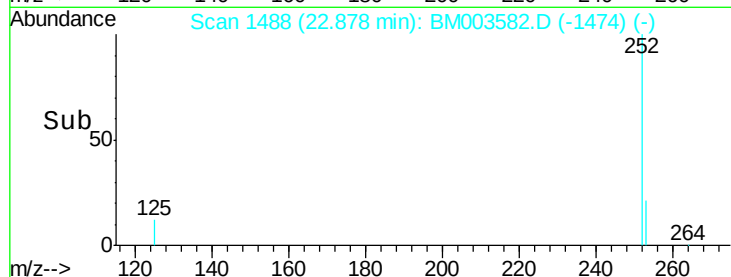
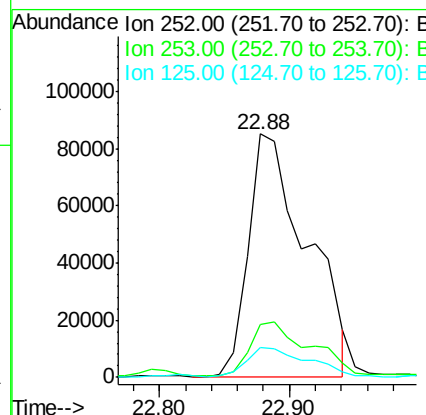
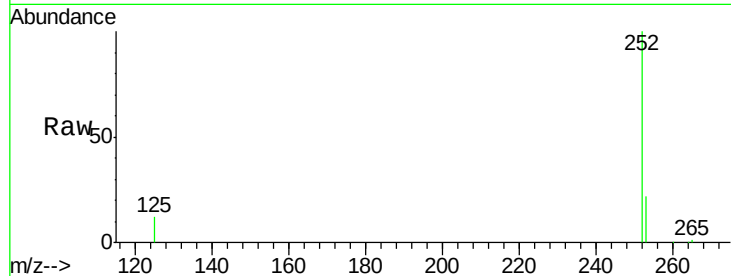
Instrument :

BNA_M

ClientSampleId :

D9N28

Tgt Ion:	252	Resp:	265435
Ion Ratio	Lower	Upper	
252	100		
253	21.8	19.8	29.8
125	12.3	10.4	15.6



#25

Benzo(a)pyrene

Concen: 0.02 ng/ul

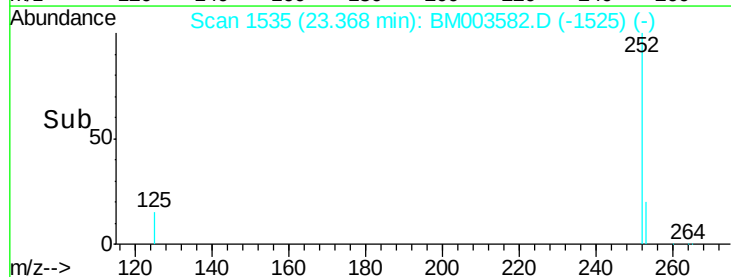
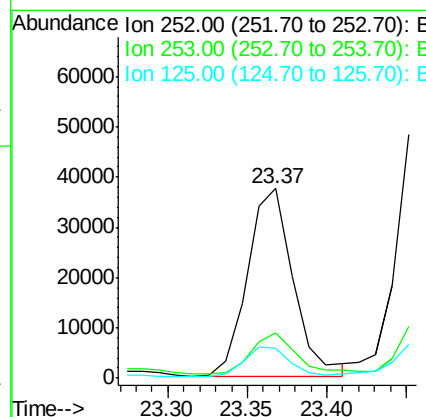
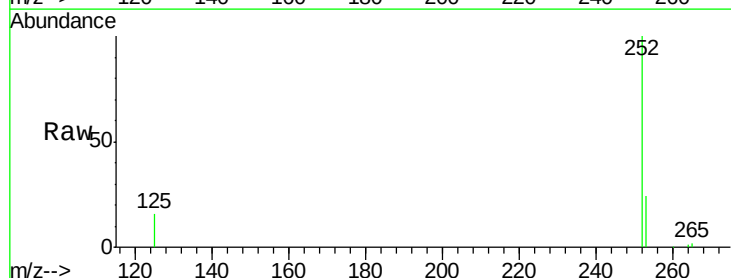
RT: 23.37 min Scan# 1535

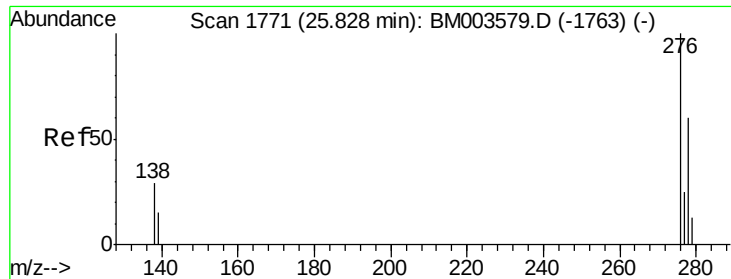
Delta R.T. -0.09 min

Lab File: BM003582.D

Acq: 16 Dec 2015 17:54

Tgt Ion:	252	Resp:	74093
Ion Ratio	Lower	Upper	
252	100		
253	23.8	19.4	29.2
125	15.8	12.7	19.1





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. -0.17 min

Lab File: BM003582.D

Acq: 16 Dec 2015 17:54

Instrument :

BNA_M

ClientSampleId :

D9N28

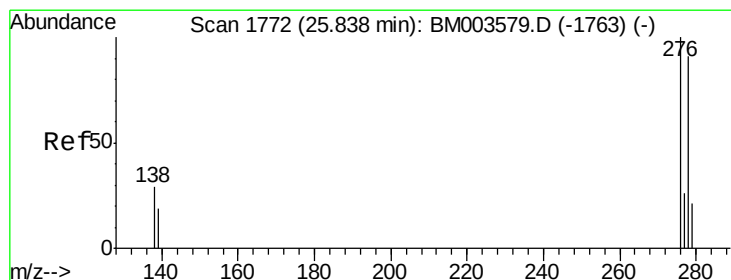
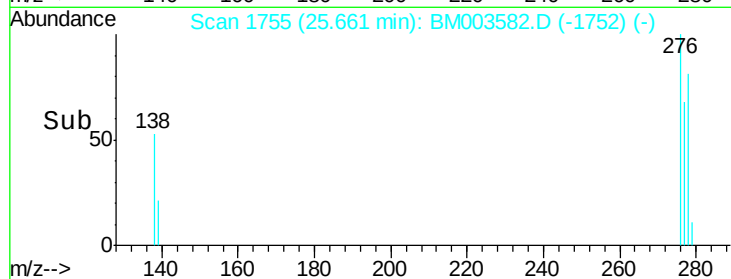
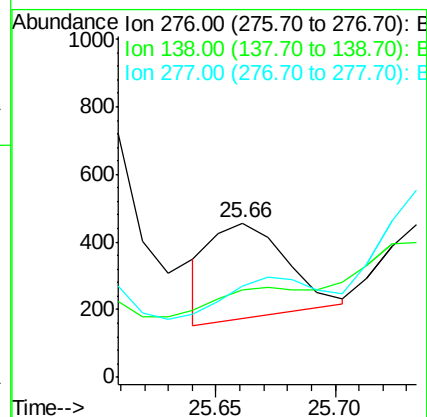
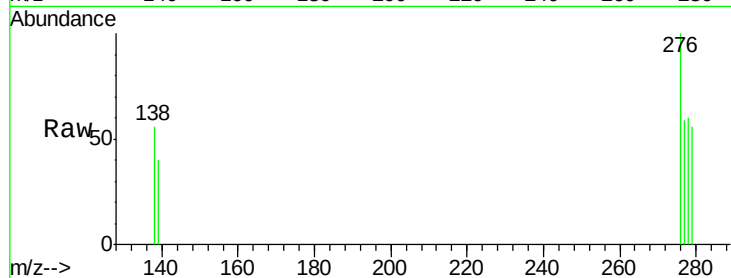
Tgt Ion: 276 Resp: 629

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

277 73.0 19.8 29.8#



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.73 min Scan# 1762

Delta R.T. -0.10 min

Lab File: BM003582.D

Acq: 16 Dec 2015 17:54

Tgt Ion: 278 Resp: 2481

Ion Ratio Lower Upper

278 100

139 36.6 16.4 24.6#

279 46.5 20.2 30.2#

