

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121615\
 Data File : BM003575.D
 Acq On : 16 Dec 2015 12:10
 Operator : UM/IZ
 Sample : G4734-09
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4KW7

Quant Time: Dec 17 01:12:46 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 01:09:19 2015
 Response via : Initial Calibration

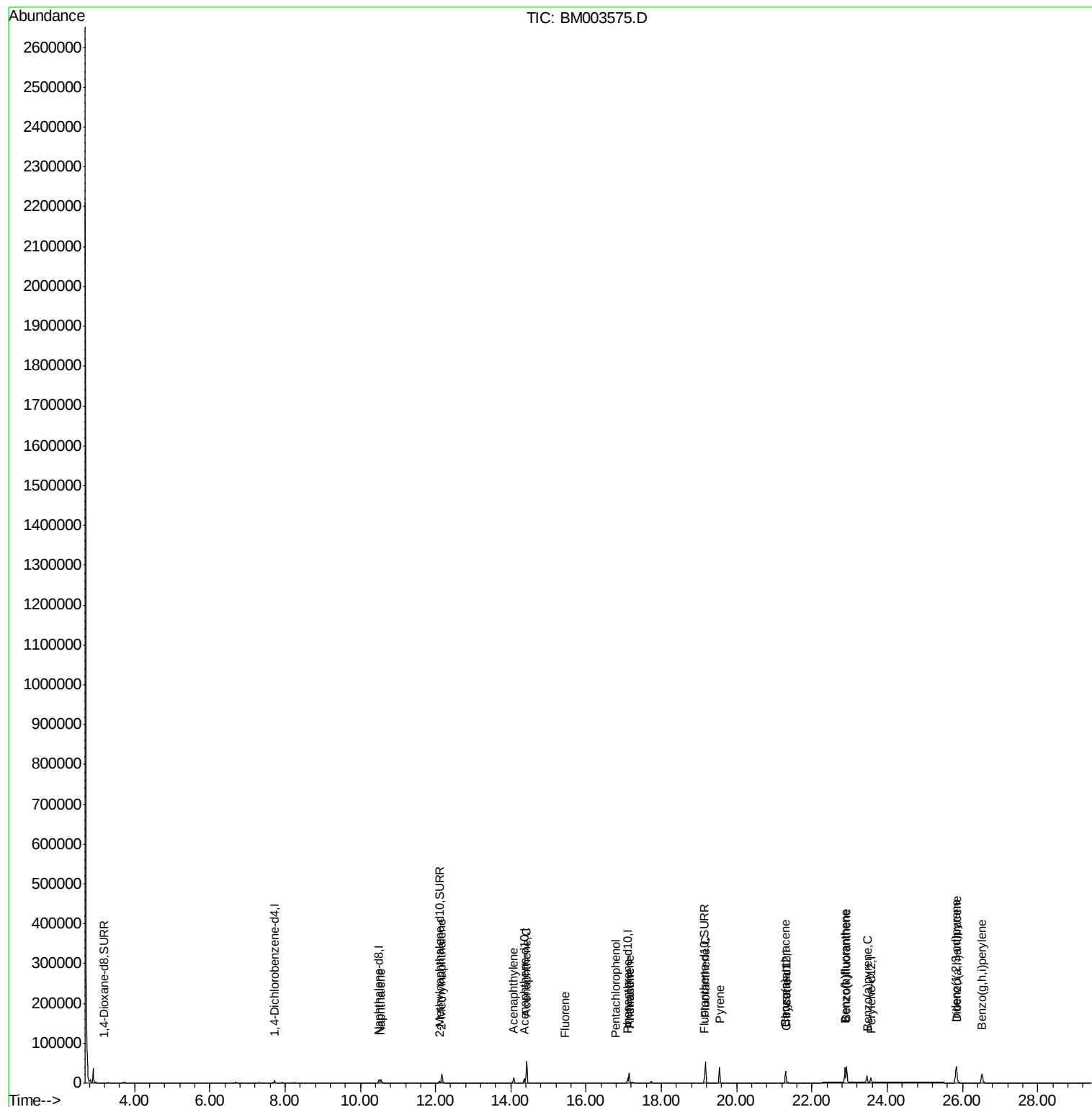
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	3599	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	14148	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	7603	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.11	188	18262	0.40	ng/ul	0.00
18) Chrysene-d12	21.31	240	20389	0.40	ng/ul	0.00
22) Perylene-d12	23.57	264	17406	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.18	96	43	0.03	ng/uL	0.02
6) 2-Methylnaphthalene-d10	12.10	152	6308	0.37	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	16195	0.42	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.55	128	14279	0.45	ng/ul	97
7) 2-Methylnaphthalene	12.16	142	20149	0.94	ng/ul	99
9) Acenaphthylene	14.07	152	16138	0.56	ng/ul	95
10) Acenaphthene	14.42	153	33064	1.41	ng/ul	88
11) Fluorene	15.43	166	82	0.00	ng/ul#	59
13) Pentachlorophenol	16.78	266	687	0.26	ng/ul	94
14) Phenanthrene	17.14	178	28186	0.60	ng/ul#	92
15) Anthracene	17.14	178	28178	0.69	ng/ul	95
17) Fluoranthene	19.17	202	55772	1.09	ng/ul	96
19) Pyrene	19.54	202	45691	0.83	ng/ul	92
20) Benzo(a)anthracene	21.29	228	27089	0.54	ng/ul	97
21) Chrysene	21.29	228	27171	0.48	ng/ul	98
23) Benzo(b)fluoranthene	22.88	252	47276	0.80	ng/ul	97
24) Benzo(k)fluoranthene	22.92	252	54504	1.01	ng/ul	95
25) Benzo(a)pyrene	23.46	252	26980	0.54	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.83	276	43658	0.75	ng/ul#	89
27) Dibenzo(a,h)anthracene	25.84	278	43418	0.93	ng/ul	99
28) Benzo(g,h,i)perylene	26.52	276	46974	0.93	ng/ul	99

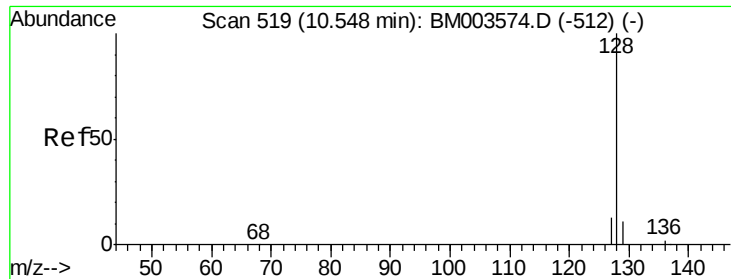
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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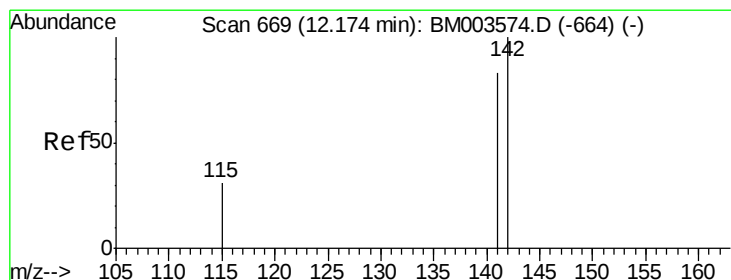
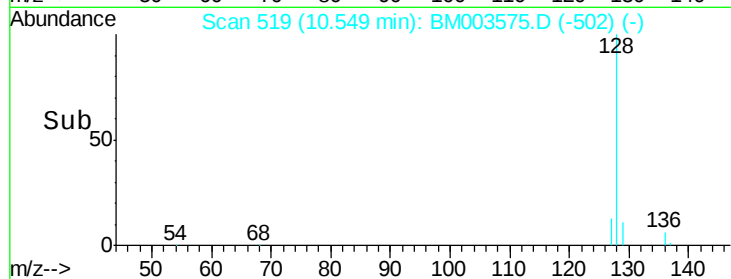
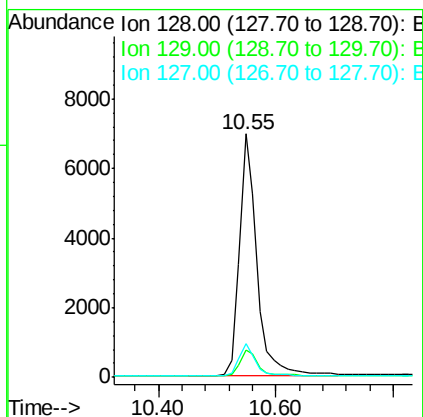
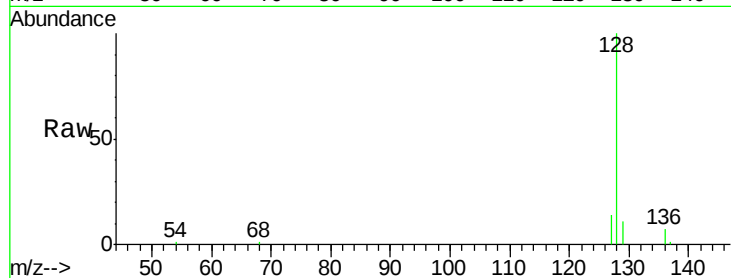




#5
Naphthalene
Concen: 0.45 ng/ul
RT: 10.55 min Scan# 519
Delta R.T. 0.00 min
Lab File: BM003575.D
Acq: 16 Dec 2015 12:10

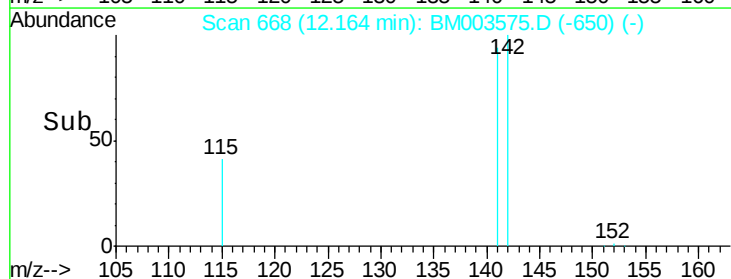
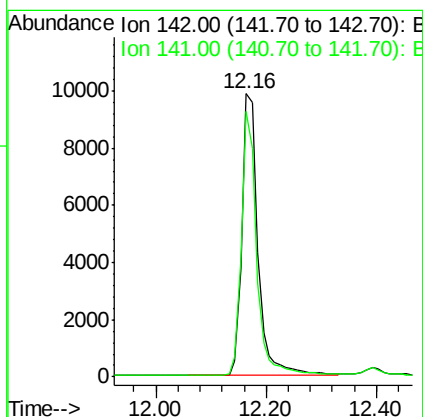
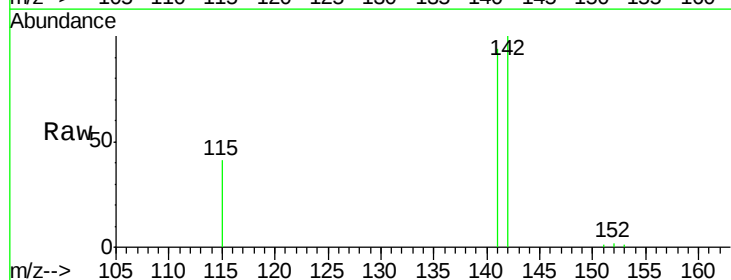
Instrument :
BNA_M
ClientSampleId :
A4KW7

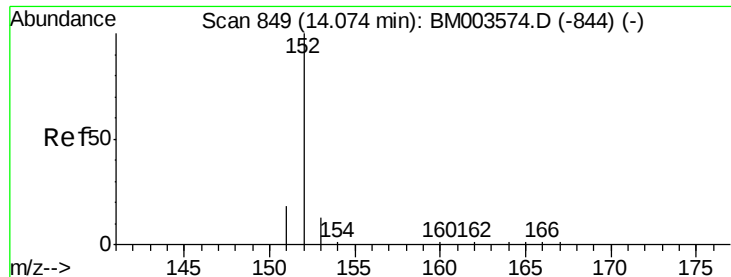
Tgt Ion:128 Resp: 14279
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 13.8 9.6 14.4



#7
2-Methylnaphthalene
Concen: 0.94 ng/ul
RT: 12.16 min Scan# 668
Delta R.T. -0.01 min
Lab File: BM003575.D
Acq: 16 Dec 2015 12:10

Tgt Ion:142 Resp: 20149
Ion Ratio Lower Upper
142 100
141 89.0 70.3 105.5





#9

Acenaphthylene

Concen: 0.56 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003575.D

Acq: 16 Dec 2015 12:10

Instrument :

BNA_M

ClientSampleId :

A4KW7

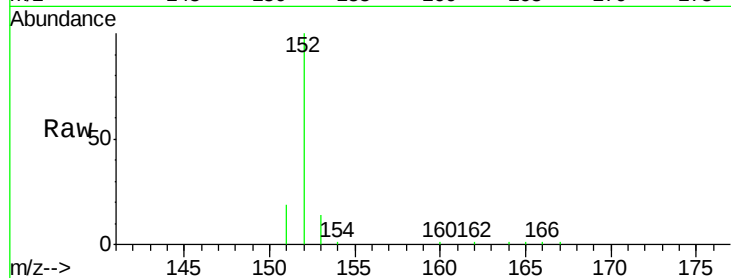
Tgt Ion:152 Resp: 16138

Ion Ratio Lower Upper

152 100

151 19.3 17.6 26.4

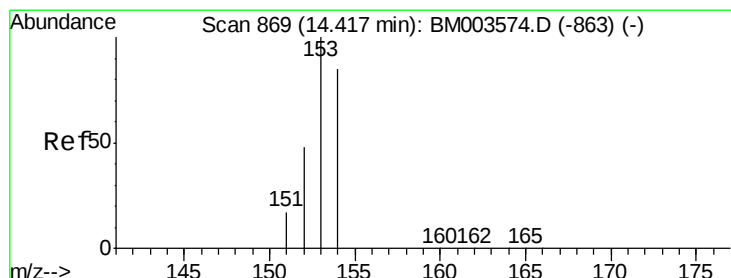
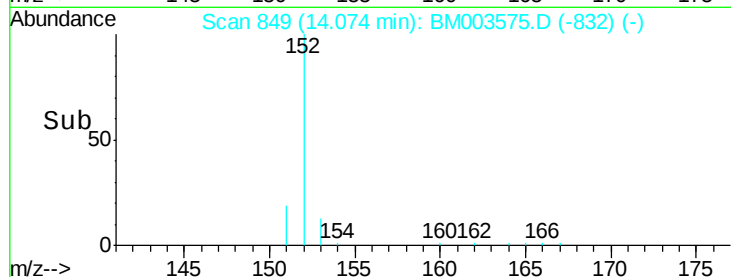
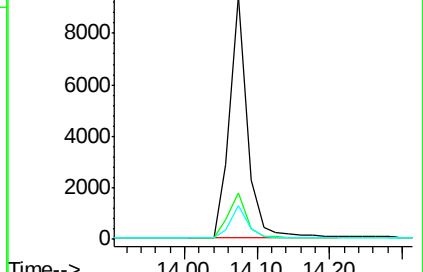
153 13.7 9.7 14.5



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



#10

Acenaphthene

Concen: 1.41 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003575.D

Acq: 16 Dec 2015 12:10

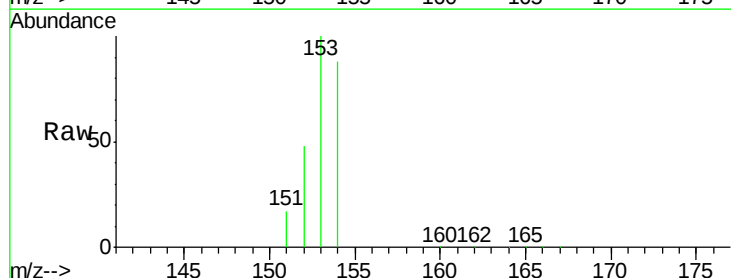
Tgt Ion:153 Resp: 33064

Ion Ratio Lower Upper

153 100

152 48.3 33.9 50.9

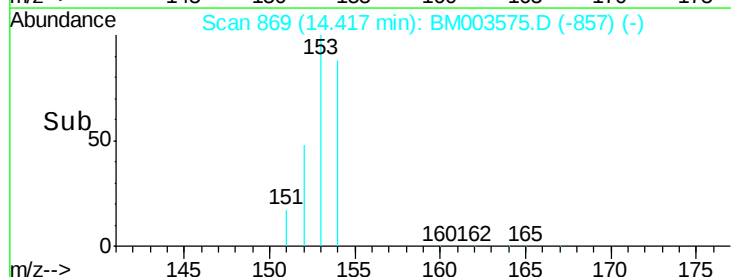
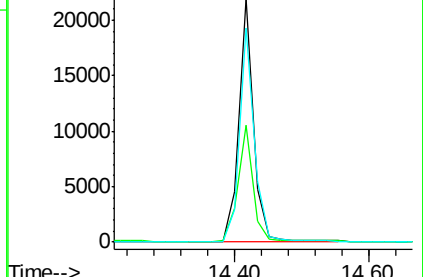
154 87.8 80.6 121.0

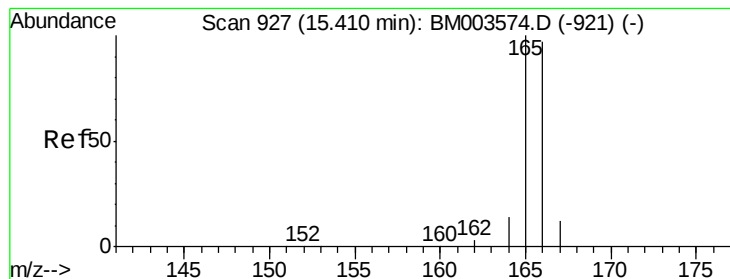


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.43 min Scan# 928

Delta R.T. 0.02 min

Lab File: BM003575.D

Acq: 16 Dec 2015 12:10

Instrument :

BNA_M

ClientSampleId :

A4KW7

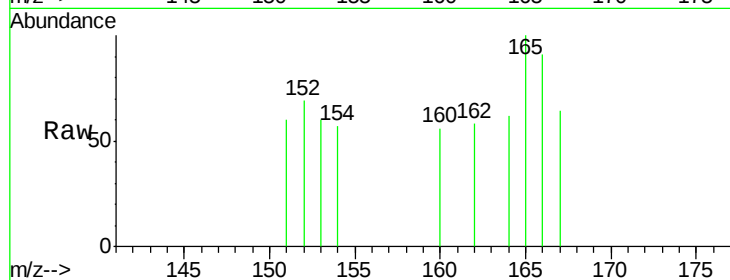
Tgt Ion:166 Resp: 82

Ion Ratio Lower Upper

166 100

165 109.9 69.6 104.4#

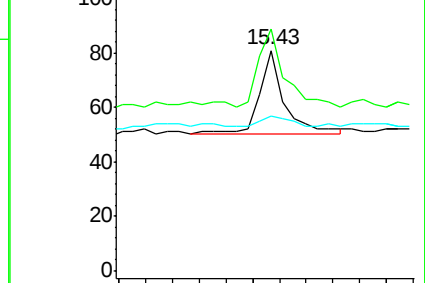
167 70.4 11.9 17.9#



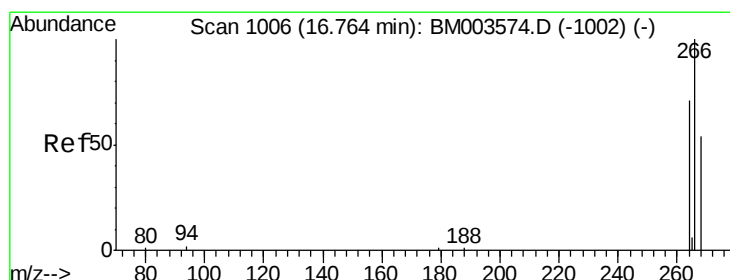
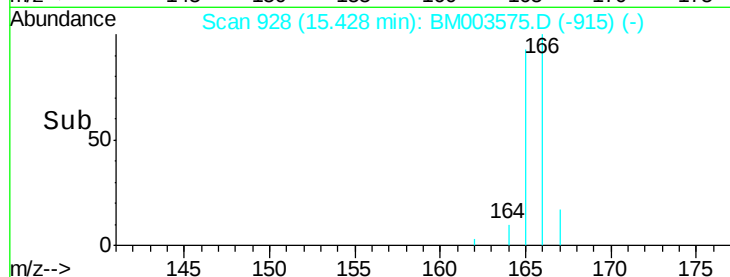
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 15.20 15.40 15.60



#13

Pentachlorophenol

Concen: 0.26 ng/ul

RT: 16.78 min Scan# 1007

Delta R.T. 0.02 min

Lab File: BM003575.D

Acq: 16 Dec 2015 12:10

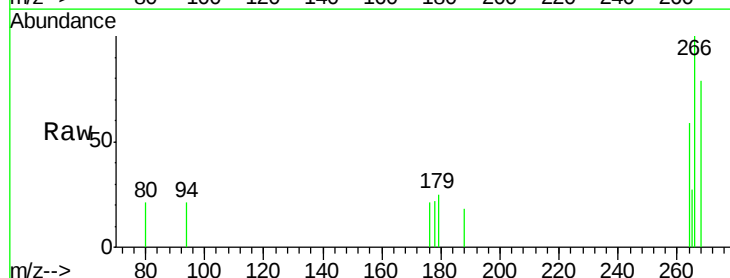
Tgt Ion:266 Resp: 687

Ion Ratio Lower Upper

266 100

264 63.0 51.8 77.8

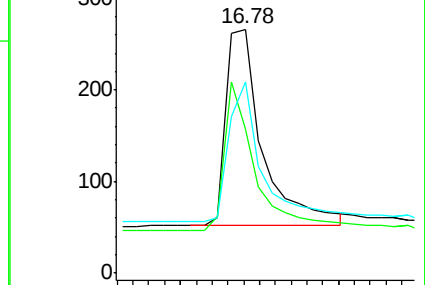
268 66.2 46.8 70.2



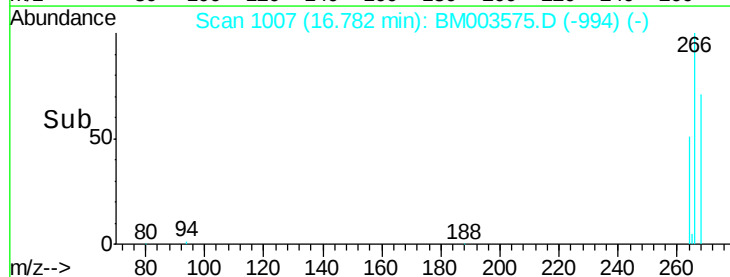
Abundance Ion 266.00 (265.70 to 266.70): E

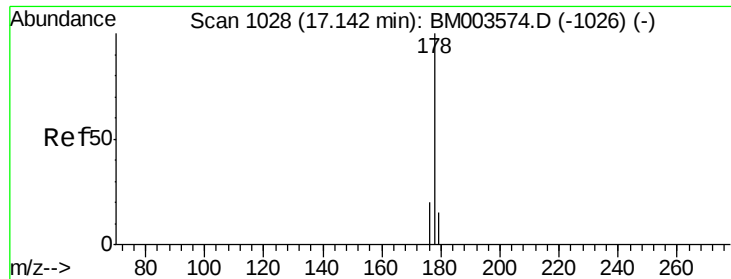
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time--> 16.70 16.80 16.90





#14

Phenanthrene

Concen: 0.60 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BM003575.D

Acq: 16 Dec 2015 12:10

Instrument :

BNA_M

ClientSampleId :

A4KW7

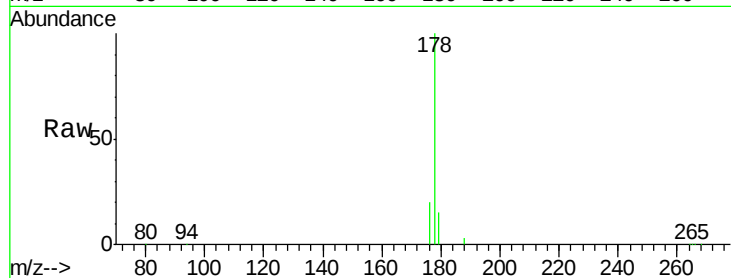
Tgt Ion:178 Resp: 28186

Ion Ratio Lower Upper

178 100

176 20.0 13.0 19.4#

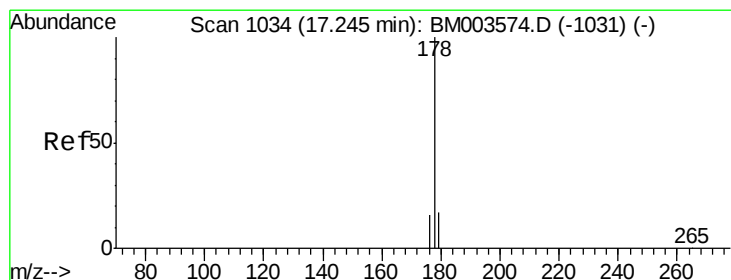
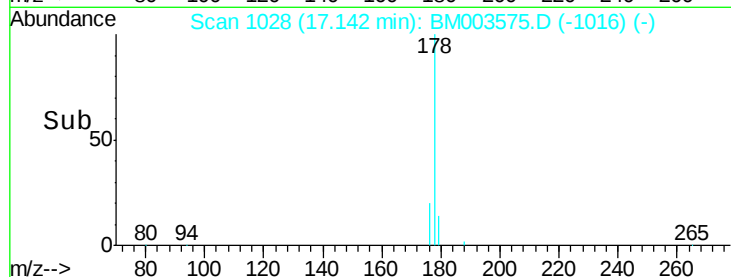
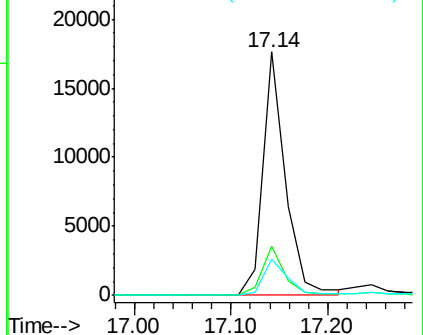
179 14.7 14.2 21.2



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: 0.69 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.10 min

Lab File: BM003575.D

Acq: 16 Dec 2015 12:10

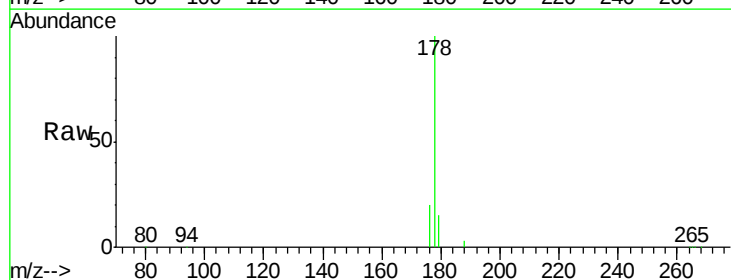
Tgt Ion:178 Resp: 28178

Ion Ratio Lower Upper

178 100

176 20.0 14.0 21.0

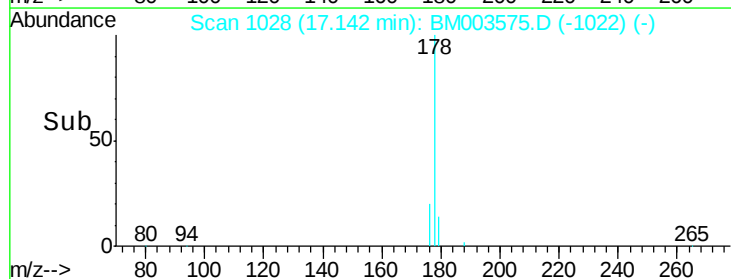
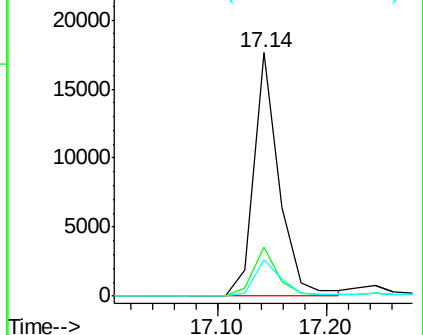
179 14.7 12.9 19.3

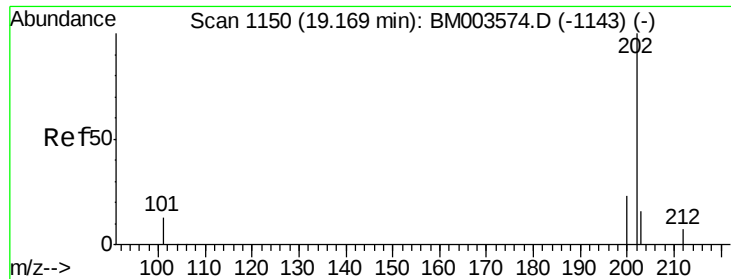


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

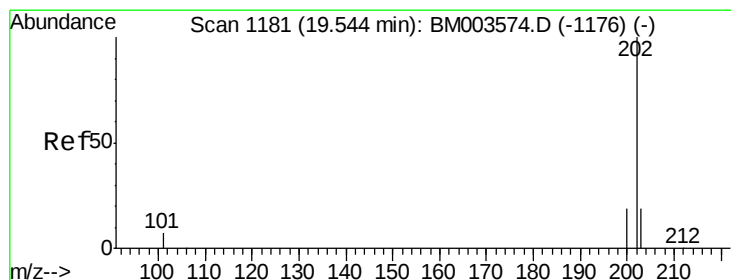
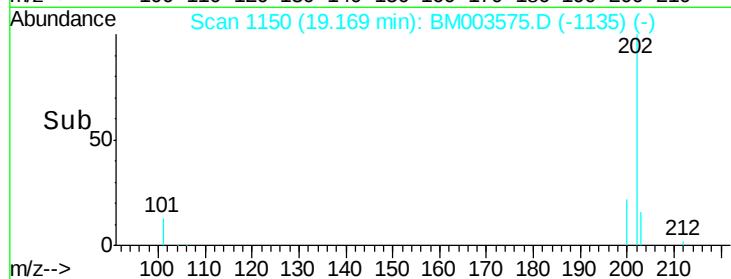
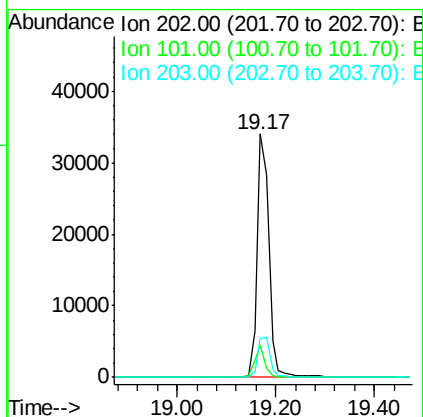
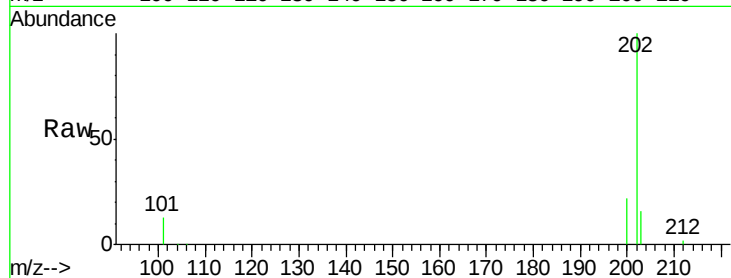




#17
Fluoranthene
 Concen: 1.09 ng/ul
 RT: 19.17 min Scan# 1150
 Delta R.T. 0.00 min
 Lab File: BM003575.D
 Acq: 16 Dec 2015 12:10

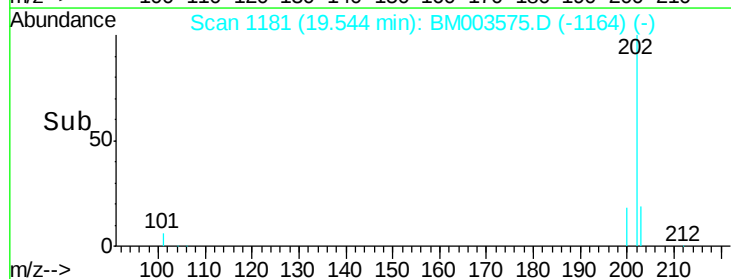
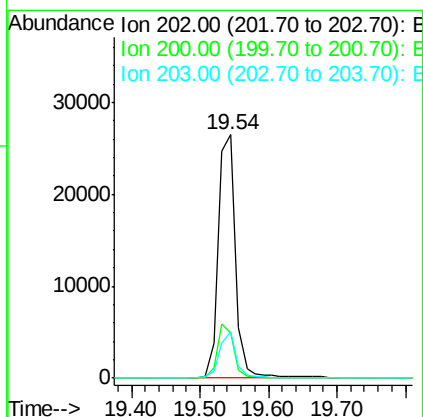
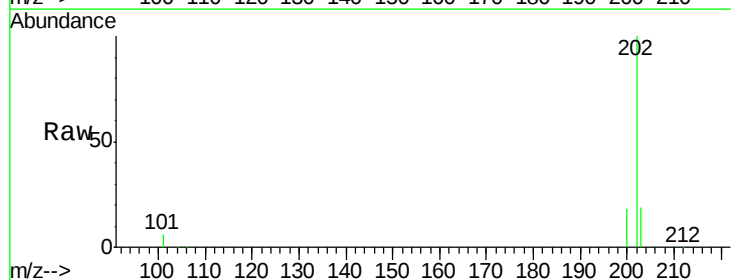
Instrument :
 BNA_M
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 A4KW7

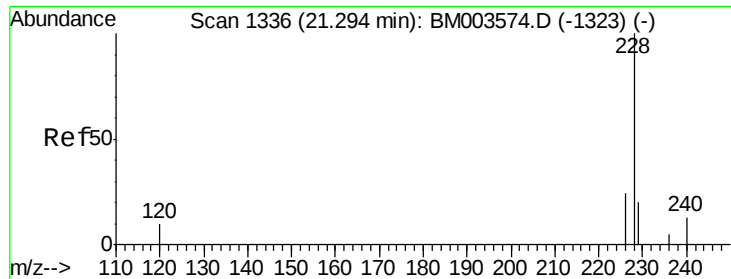
Tgt Ion:202 Resp: 55772
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 29.6
 203 15.8 0.0 36.3



#19
Pyrene
 Concen: 0.83 ng/ul
 RT: 19.54 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: BM003575.D
 Acq: 16 Dec 2015 12:10

Tgt Ion:202 Resp: 45691
 Ion Ratio Lower Upper
 202 100
 200 18.5 17.8 26.8
 203 18.9 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.54 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BM003575.D

Acq: 16 Dec 2015 12:10

Instrument :

BNA_M

ClientSampleId :

A4KW7

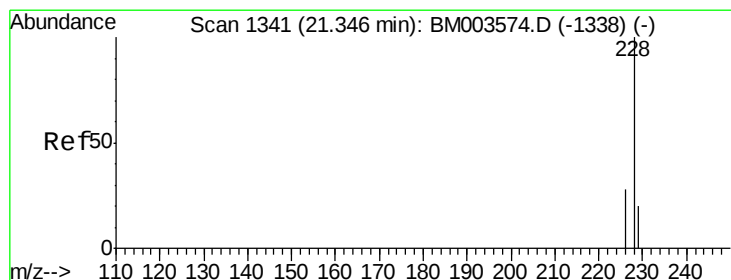
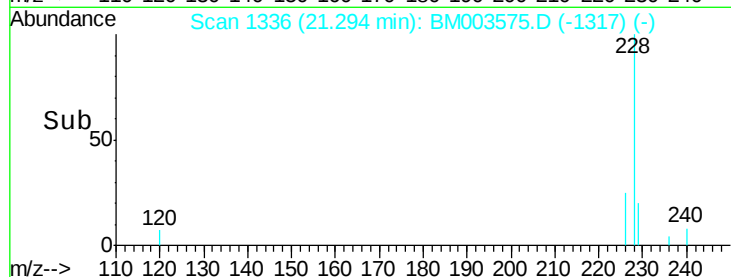
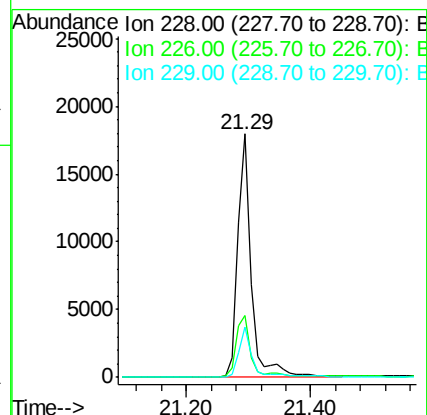
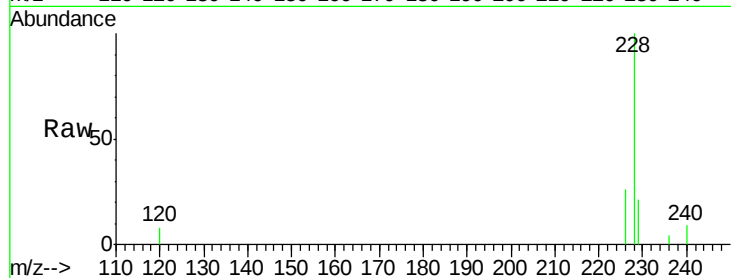
Tgt Ion:228 Resp: 27089

Ion Ratio Lower Upper

228 100

226 25.6 18.8 28.2

229 20.6 17.1 25.7



#21

Chrysene

Concen: 0.48 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.05 min

Lab File: BM003575.D

Acq: 16 Dec 2015 12:10

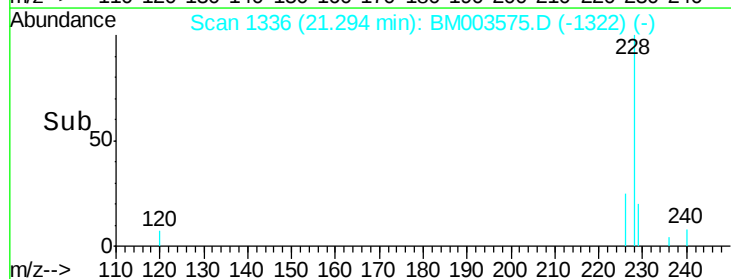
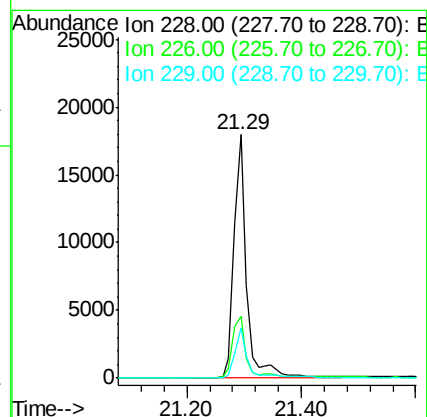
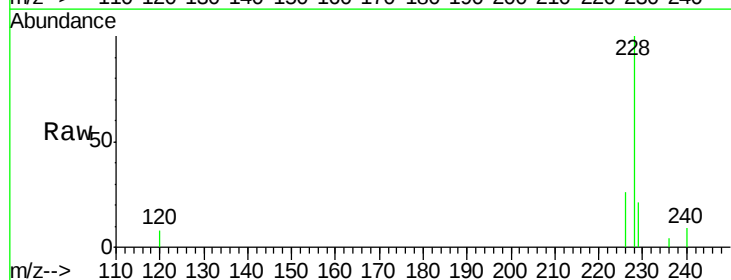
Tgt Ion:228 Resp: 27171

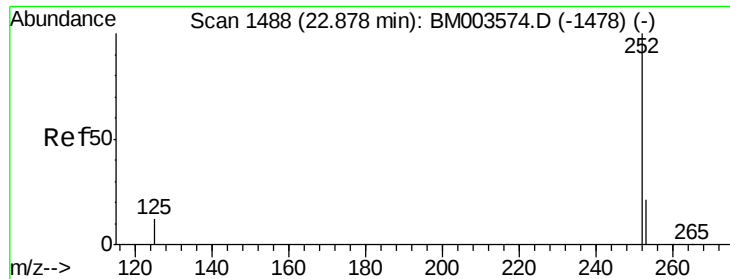
Ion Ratio Lower Upper

228 100

226 25.6 21.2 31.8

229 20.6 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.80 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BM003575.D

Acq: 16 Dec 2015 12:10

Instrument :

BNA_M

ClientSampleId :

A4KW7

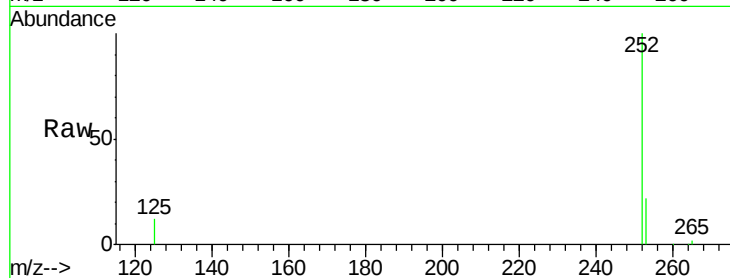
Tgt Ion:252 Resp: 47276

Ion Ratio Lower Upper

252 100

253 22.3 0.0 45.4

125 12.0 0.0 28.8

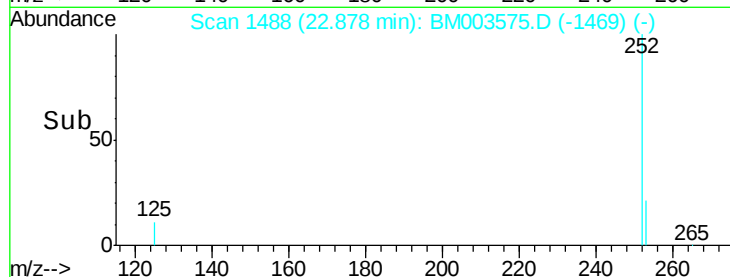
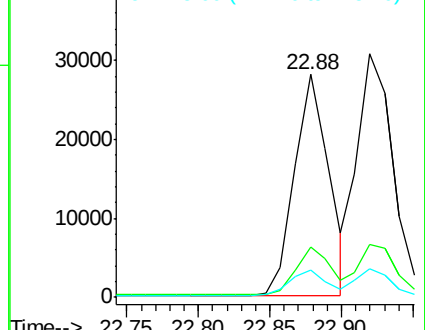


Abundance

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: 1.01 ng/ul

RT: 22.92 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BM003575.D

Acq: 16 Dec 2015 12:10

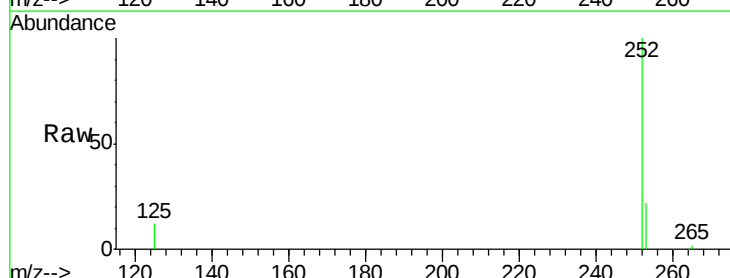
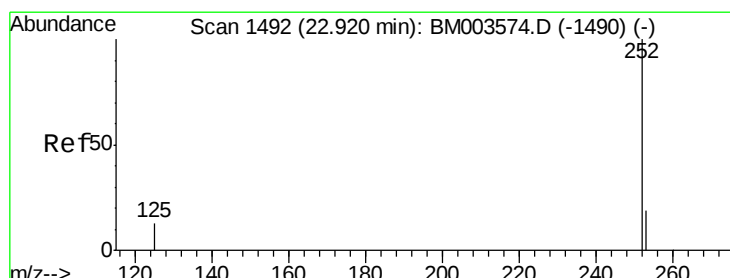
Tgt Ion:252 Resp: 54504

Ion Ratio Lower Upper

252 100

253 21.5 19.8 29.8

125 12.0 10.4 15.6

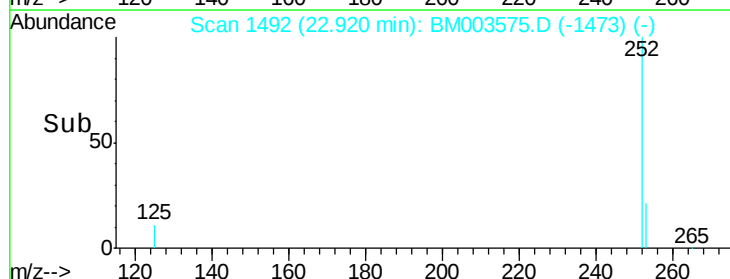
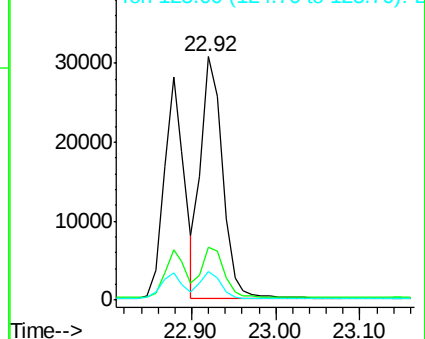


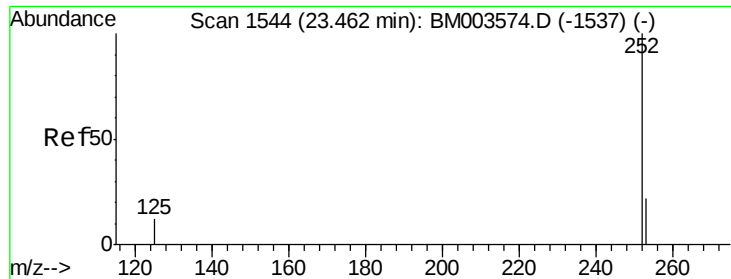
Abundance

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: 0.54 ng/ul

RT: 23.46 min Scan# 1544

Delta R.T. 0.00 min

Lab File: BM003575.D

Acq: 16 Dec 2015 12:10

Instrument :

BNA_M

ClientSampleId :

A4KW7

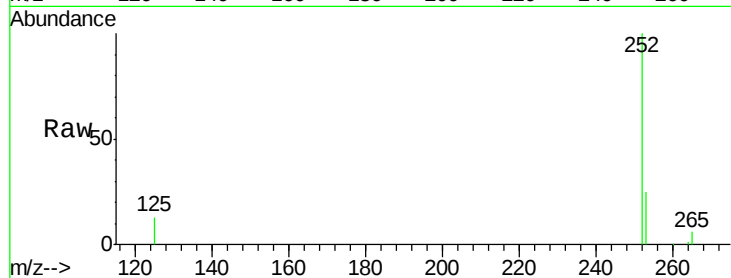
Tgt Ion:252 Resp: 26980

Ion Ratio Lower Upper

252 100

253 25.0 19.4 29.2

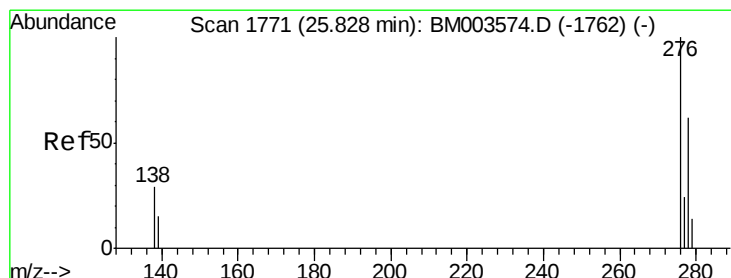
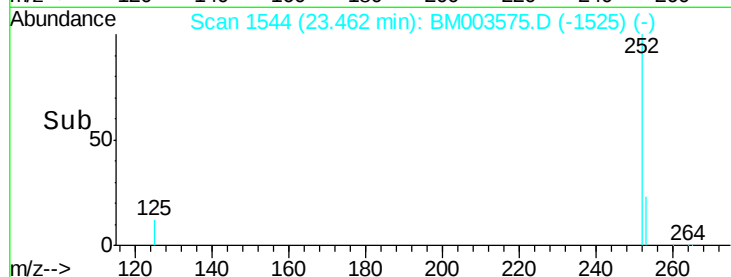
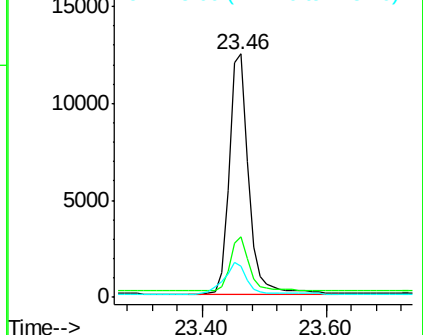
125 12.8 12.7 19.1



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: 0.75 ng/ul

RT: 25.83 min Scan# 1771

Delta R.T. 0.00 min

Lab File: BM003575.D

Acq: 16 Dec 2015 12:10

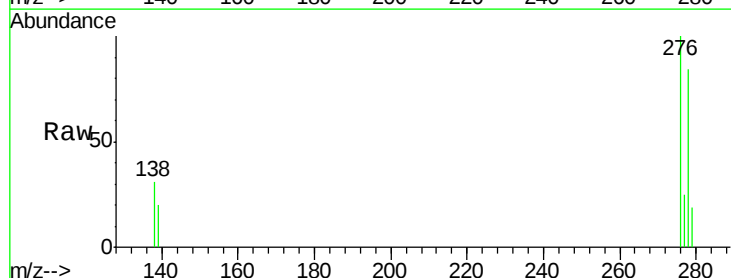
Tgt Ion:276 Resp: 43658

Ion Ratio Lower Upper

276 100

138 31.2 16.3 24.5#

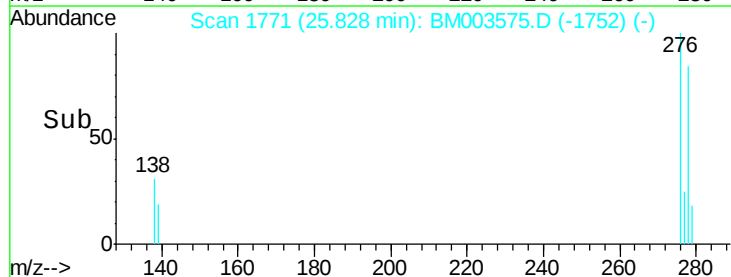
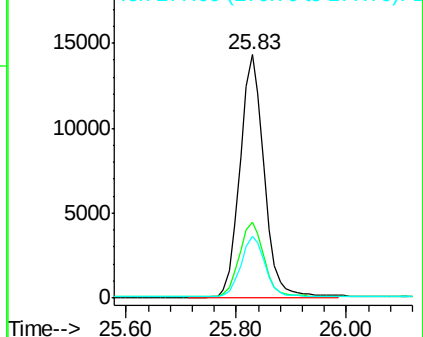
277 25.2 19.8 29.8

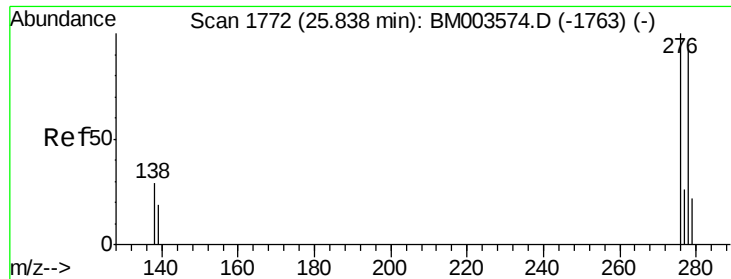


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

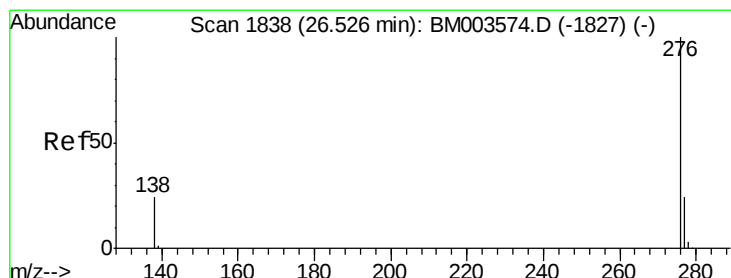
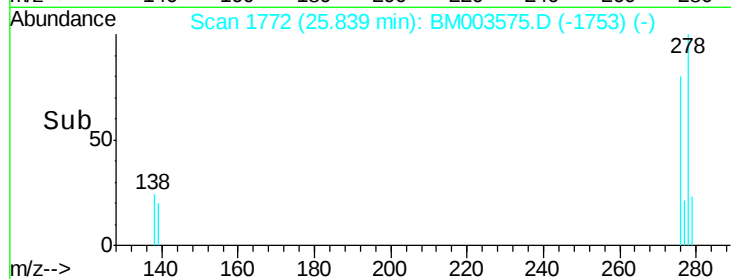
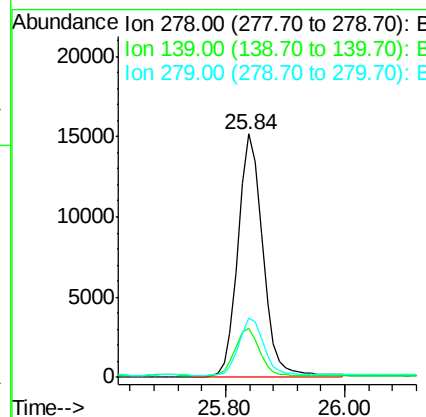
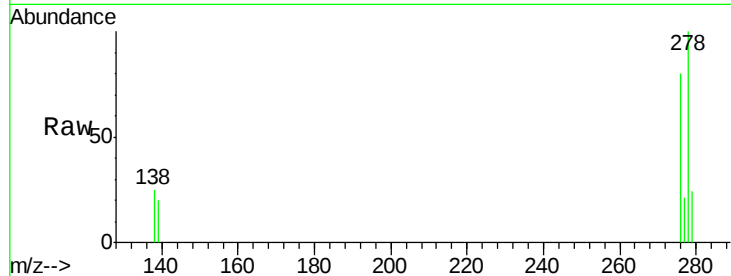




#27
Dibenzo(a,h)anthracene
Concen: 0.93 ng/ul
RT: 25.84 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BM003575.D
Acq: 16 Dec 2015 12:10

Instrument :
BNA_M
ClientSampleId :
A4KW7

Tgt Ion:278 Resp: 43418
Ion Ratio Lower Upper
278 100
139 20.4 16.4 24.6
279 24.2 20.2 30.2



#28
Benzo(g,h,i)perylene
Concen: 0.93 ng/ul
RT: 26.52 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BM003575.D
Acq: 16 Dec 2015 12:10

Tgt Ion:276 Resp: 46974
Ion Ratio Lower Upper
276 100
277 23.8 18.9 28.3
138 26.8 22.5 33.7

