

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112115\
 Data File : BM003249.D
 Acq On : 21 Nov 2015 15:07
 Operator : UM/IZ
 Sample : G4323-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 22 01:18:18 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 01:13:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	14393	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	57612	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	31167	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	3663820	0.40	ng/ul	0.10
18) Chrysene-d12	21.32	240	52017	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	3365690	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	76207	4.96	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	21663	0.28	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	36382	0.00	ng/ul	0.00

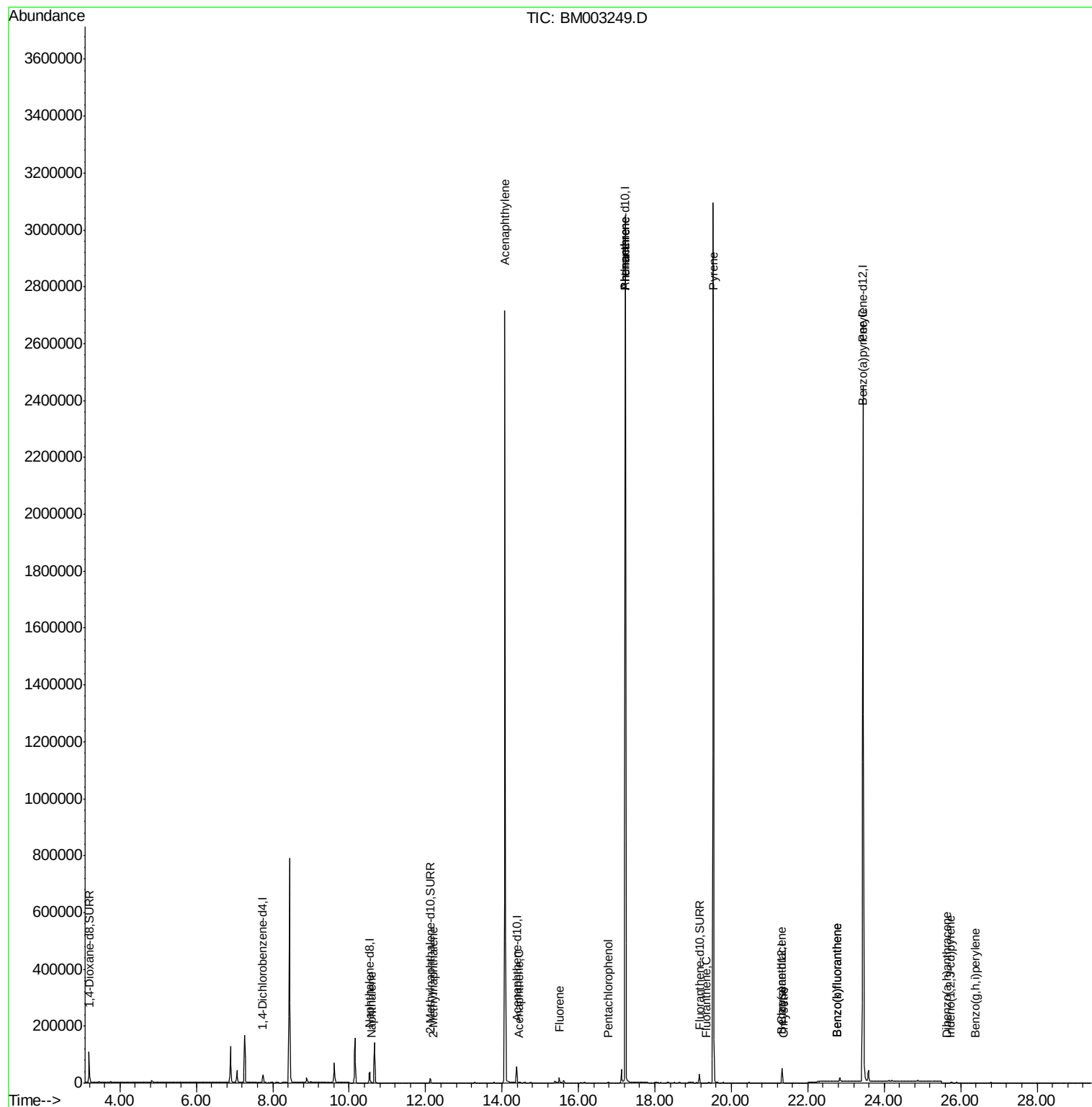
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.57	128	2560	0.02	ng/ul#	82
7) 2-Methylnaphthalene	12.19	142	330	0.00	ng/ul#	100
9) Acenaphthylene	14.07	152	509	0.00	ng/ul#	1
10) Acenaphthene	14.45	153	213	0.00	ng/ul#	77
11) Fluorene	15.49	166	303	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	556	0.00	ng/ul	92
14) Phenanthrene	17.23	178	1574	0.00	ng/ul#	1
15) Anthracene	17.23	178	1549	0.00	ng/ul#	1
17) Fluoranthene	19.35	202	81	0.00	ng/ul#	1
19) Pyrene	19.53	202	5959	0.03	ng/ul#	1
20) Benzo(a)anthracene	21.31	228	435	0.00	ng/ul#	24
21) Chrysene	21.36	228	250	0.00	ng/ul#	21
23) Benzo(b)fluoranthene	22.77	252	43	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.77	252	43	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.44	252	12771	0.00	ng/ul#	65
26) Indeno(1,2,3-cd)pyrene	25.72	276	10	0.00	ng/ul#	9
27) Dibenzo(a,h)anthracene	25.63	278	26	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.39	276	13	0.00	ng/ul#	1

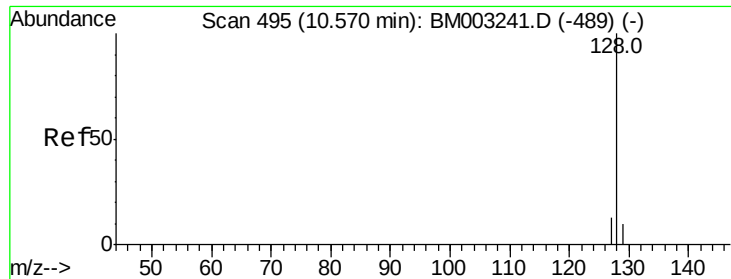
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. 0.00 min

Lab File: BM003249.D

Acq: 21 Nov 2015 15:07

Instrument :

BNA_M

ClientSampleId :

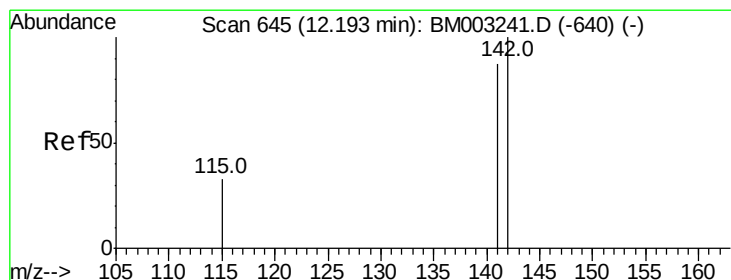
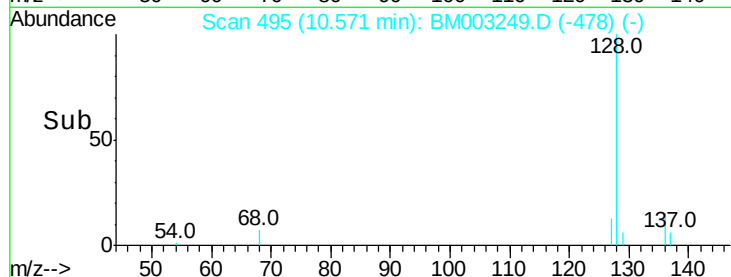
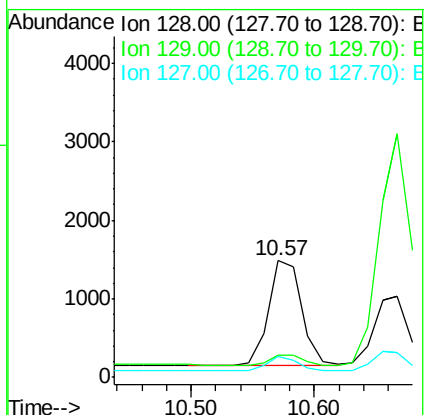
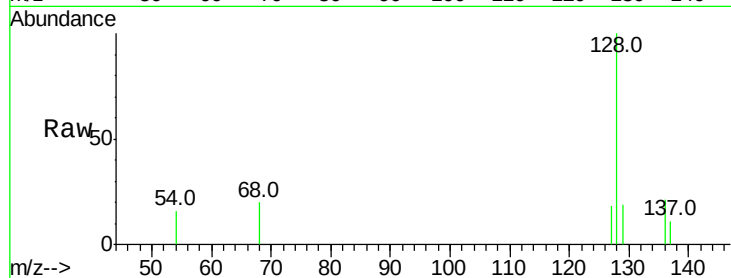
Tot Ion:128 Resp: 2560

Ion Ratio Lower Upper

128 100

129 19.2 9.0 13.6#

127 17.7 9.6 14.4#



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003249.D

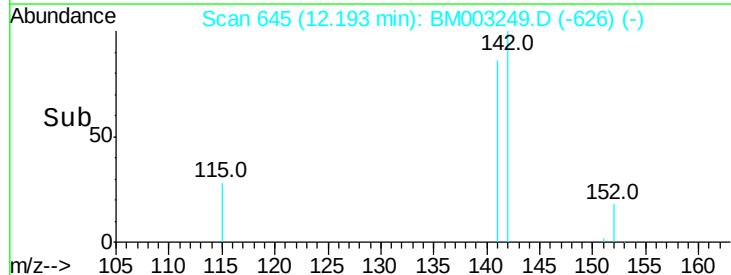
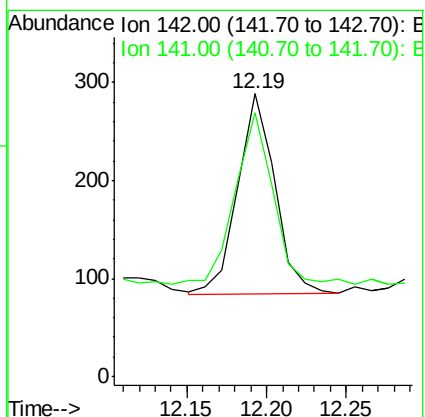
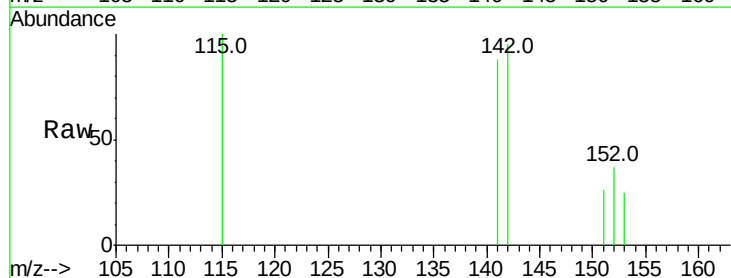
Acq: 21 Nov 2015 15:07

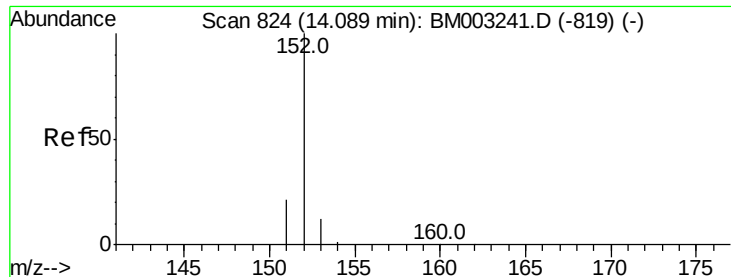
Tgt Ion:142 Resp: 330

Ion Ratio Lower Upper

142 100

141 93.6 0.0 0.0#





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.07 min Scan# 823

Delta R.T. -0.02 min

Lab File: BM003249.D

Acq: 21 Nov 2015 15:07

Instrument :

BNA_M

ClientSampleId :

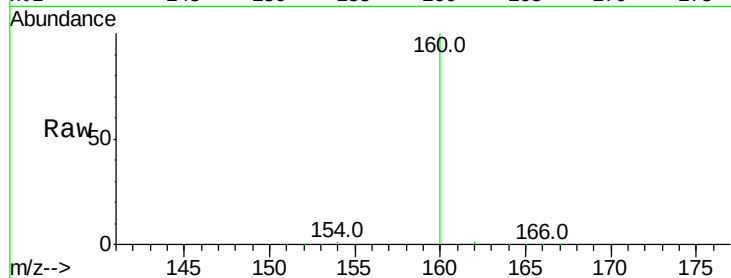
Tot Ion:152 Resp: 509

Ion Ratio Lower Upper

152 100

151 55.7 17.6 26.4#

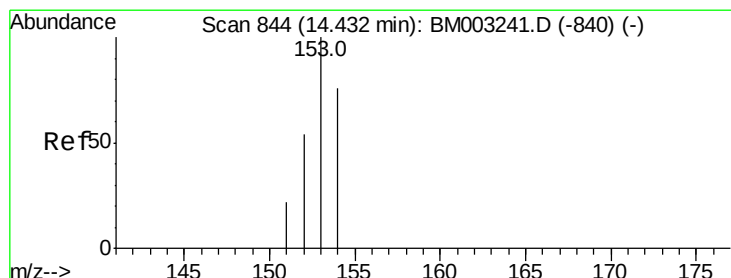
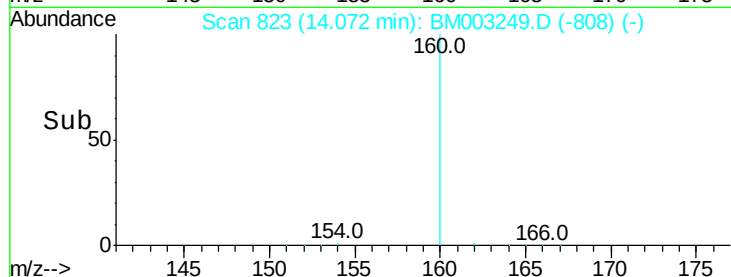
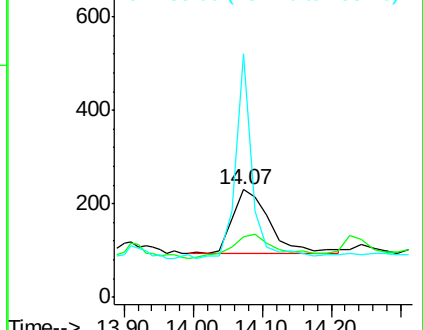
153 226.5 9.7 14.5#



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



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.02 min

Lab File: BM003249.D

Acq: 21 Nov 2015 15:07

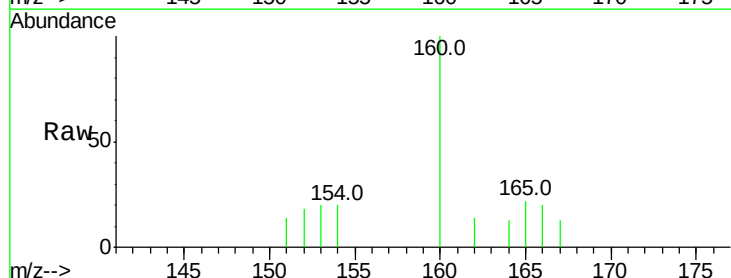
Tgt Ion:153 Resp: 213

Ion Ratio Lower Upper

153 100

152 90.1 33.9 50.9#

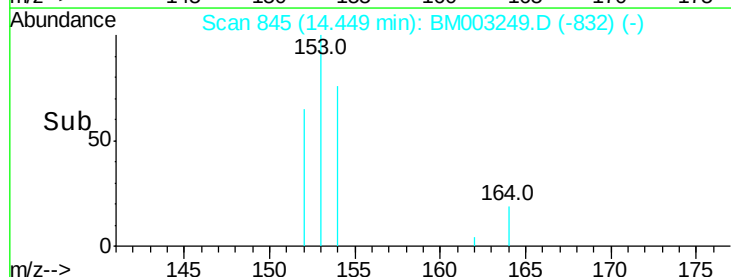
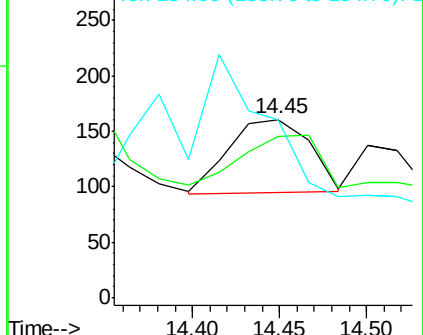
154 99.4 80.6 121.0

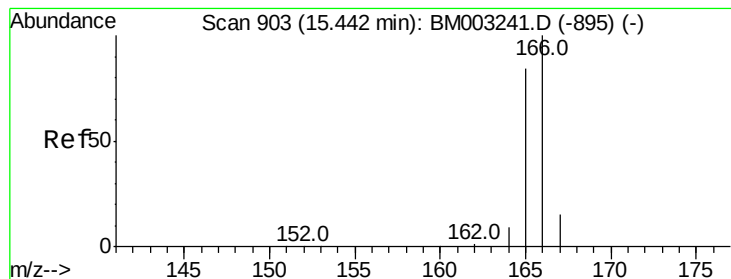


Abundance Ion 153.00 (152.70 to 153.70): E

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: 15.49 min Scan# 906

Delta R.T. 0.05 min

Lab File: BM003249.D

Acq: 21 Nov 2015 15:07

Instrument :

BNA_M

ClientSampleId :

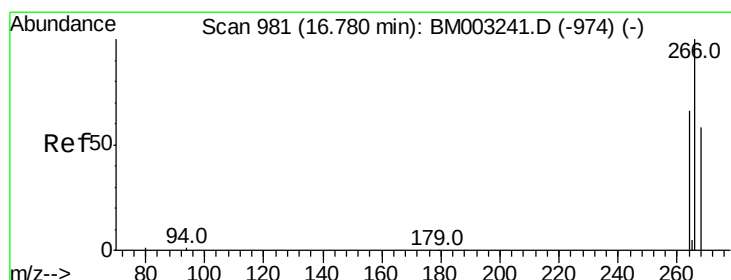
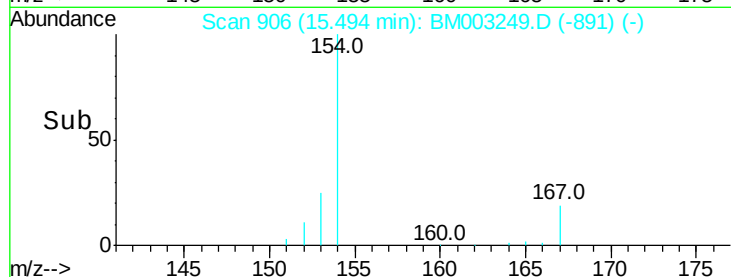
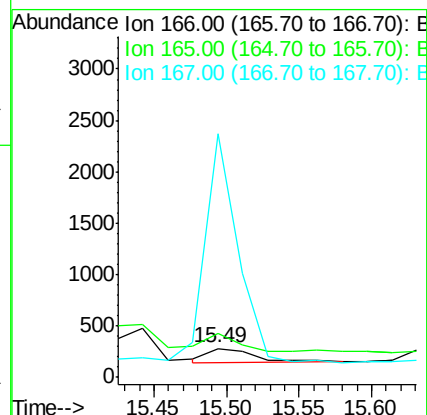
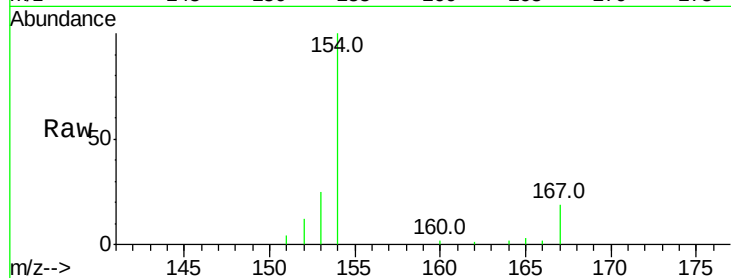
Tot Ion:166 Resp: 303

Ion Ratio Lower Upper

166 100

165 150.0 69.6 104.4#

167 840.1 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003249.D

Acq: 21 Nov 2015 15:07

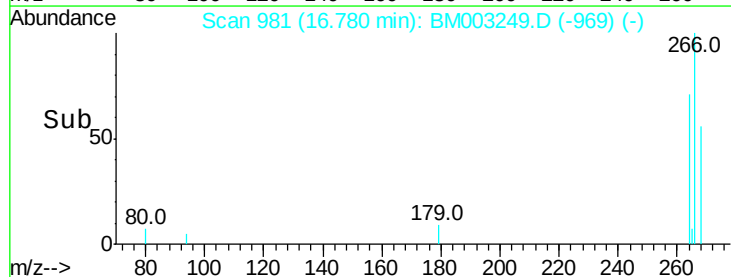
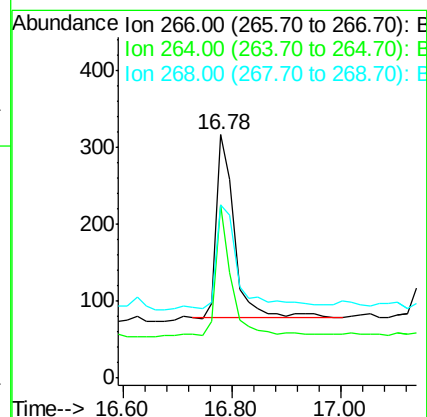
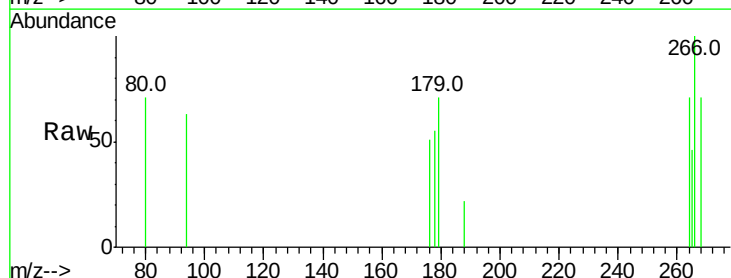
Tgt Ion:266 Resp: 556

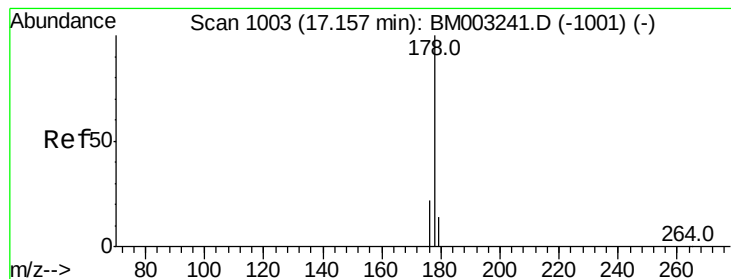
Ion Ratio Lower Upper

266 100

264 59.0 51.8 77.8

268 65.3 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. 0.07 min

Lab File: BM003249.D

Acq: 21 Nov 2015 15:07

Instrument :

BNA_M

ClientSampleId :

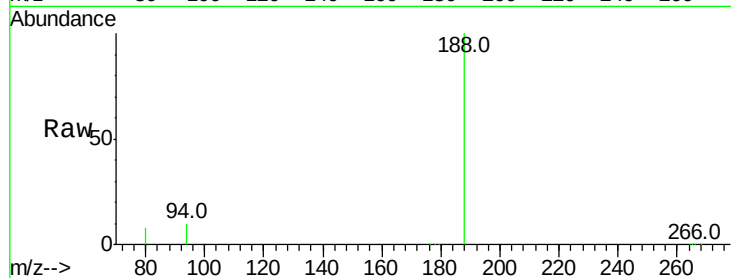
Tot Ion:178 Resp: 1574

Ion Ratio Lower Upper

178 100

176 15.1 13.0 19.4

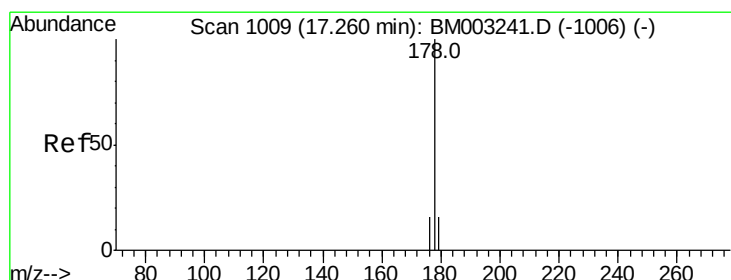
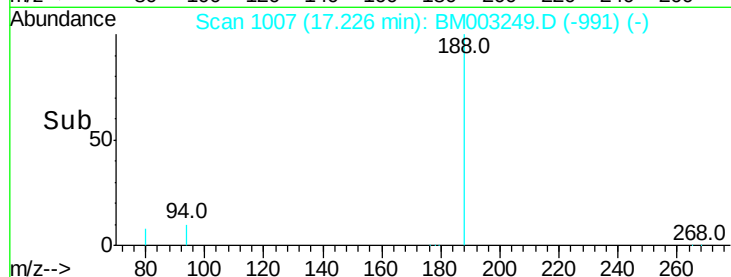
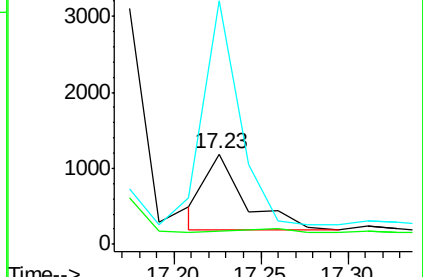
179 269.4 14.2 21.2#



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# 1007

Delta R.T. -0.03 min

Lab File: BM003249.D

Acq: 21 Nov 2015 15:07

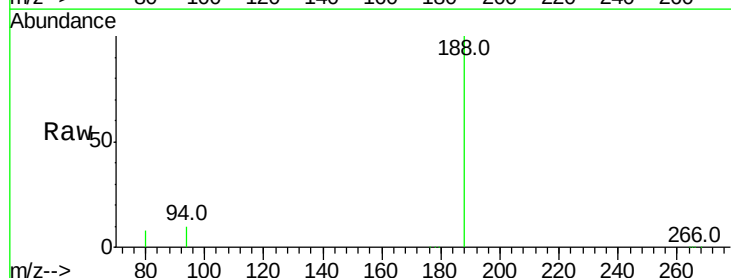
Tgt Ion:178 Resp: 1549

Ion Ratio Lower Upper

178 100

176 15.1 14.0 21.0

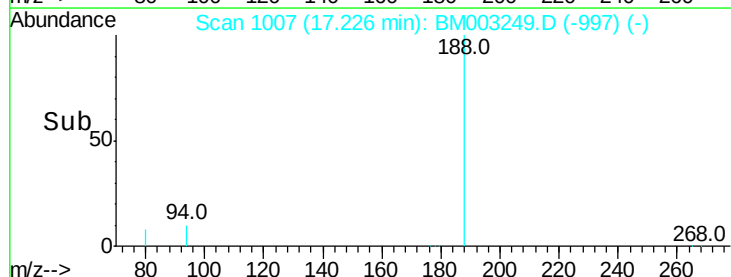
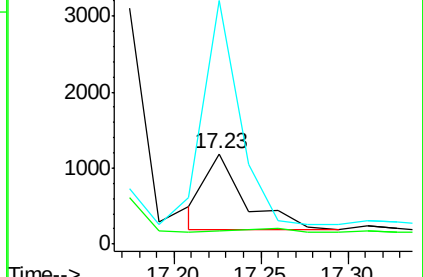
179 269.4 12.9 19.3#

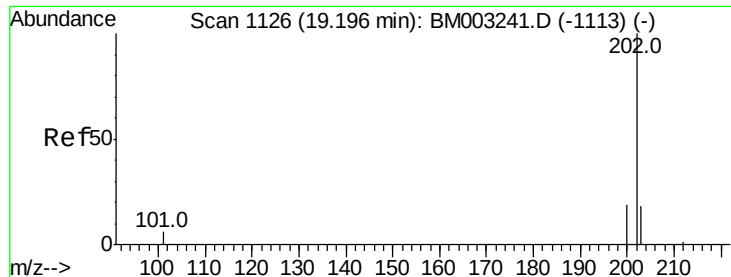


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

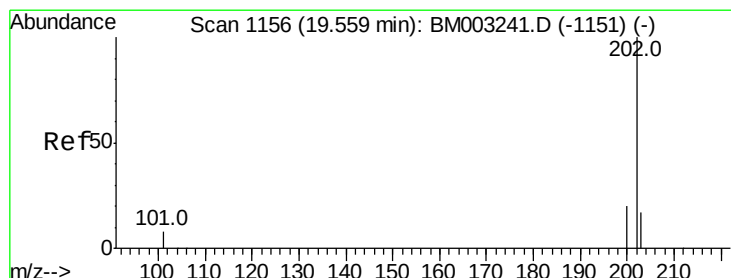
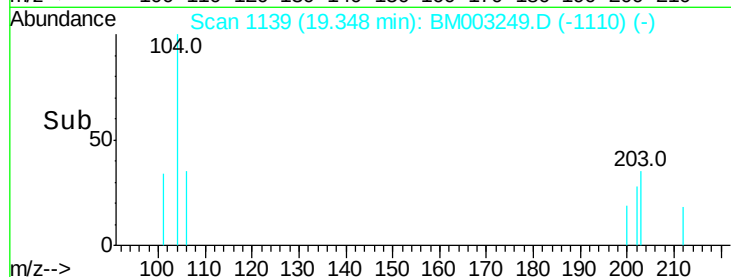
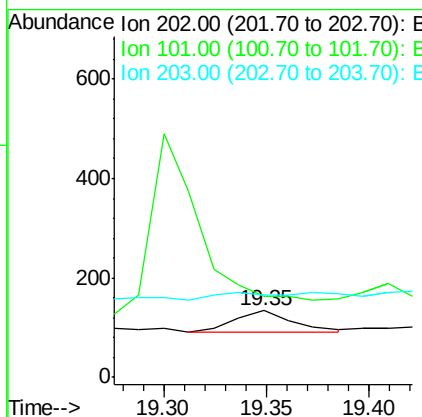
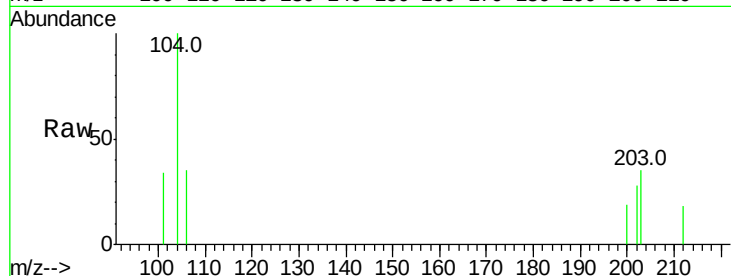




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.35 min Scan# 1139
 Delta R.T. 0.15 min
 Lab File: BM003249.D
 Acq: 21 Nov 2015 15:07

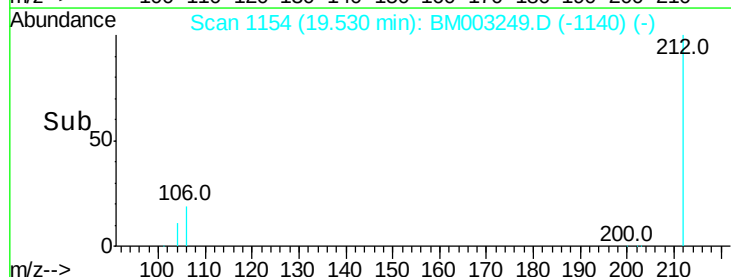
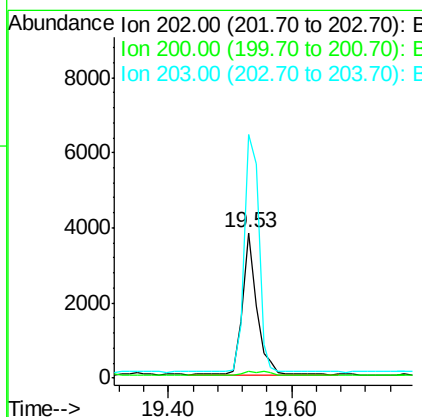
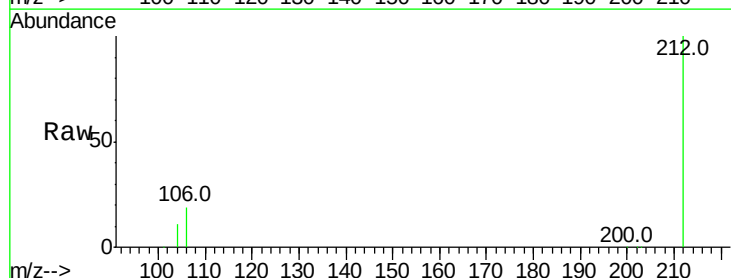
Instrument :
 BNA_M
 ClientSampleId :

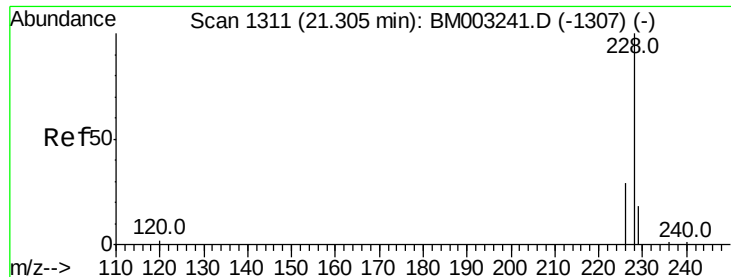
Tot Ion:202 Resp: 81
 Ion Ratio Lower Upper
 202 100
 101 121.6 0.0 29.6#
 203 123.9 0.0 36.3#



#19
Pyrene
 Concen: 0.03 ng/ul
 RT: 19.53 min Scan# 1154
 Delta R.T. -0.03 min
 Lab File: BM003249.D
 Acq: 21 Nov 2015 15:07

Tgt Ion:202 Resp: 5959
 Ion Ratio Lower Upper
 202 100
 200 4.5 17.8 26.8#
 203 167.7 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BM003249.D

Acq: 21 Nov 2015 15:07

Instrument :

BNA_M

ClientSampled :

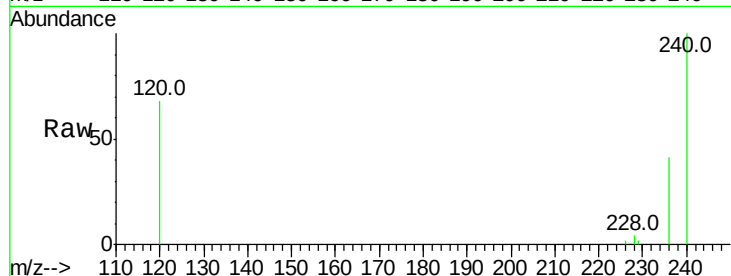
Tot Ion:228 Resp: 435

Ion Ratio Lower Upper

228 100

226 59.0 18.8 28.2#

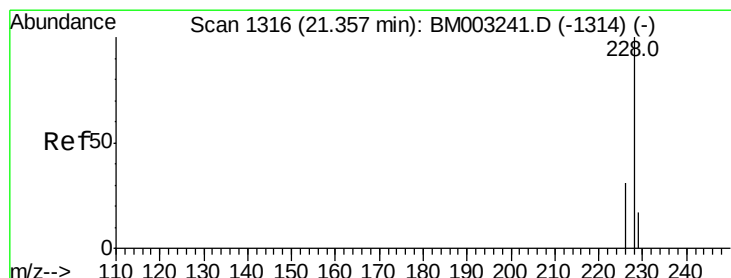
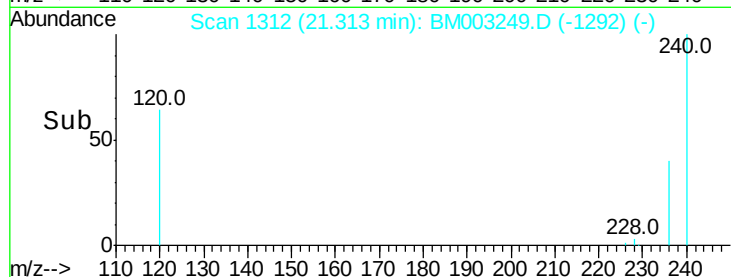
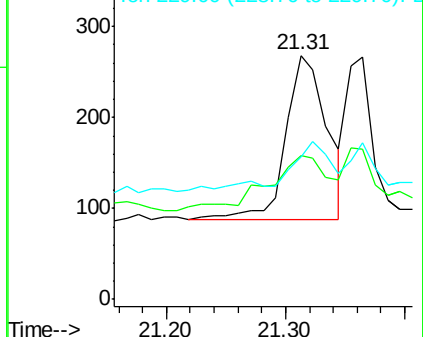
229 58.6 17.1 25.7#



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: 0.00 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BM003249.D

Acq: 21 Nov 2015 15:07

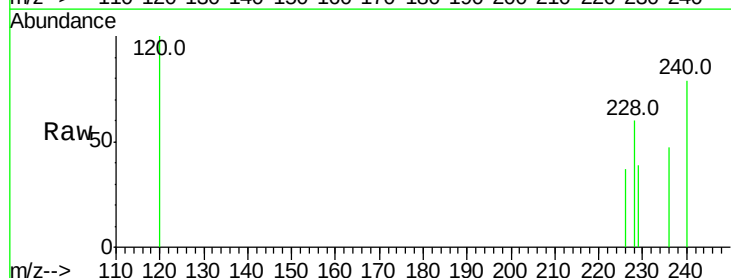
Tgt Ion:228 Resp: 250

Ion Ratio Lower Upper

228 100

226 61.8 21.2 31.8#

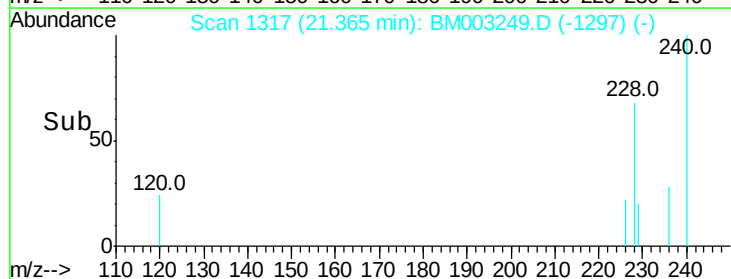
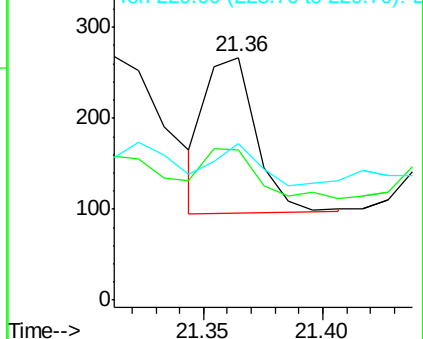
229 64.4 17.0 25.6#

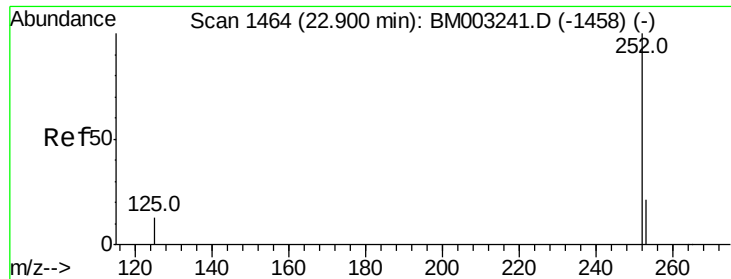


Abundance Ion 228.00 (227.70 to 228.70): E

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: 22.77 min Scan# 1452

Delta R.T. -0.13 min

Lab File: BM003249.D

Acq: 21 Nov 2015 15:07

Instrument :

BNA_M

ClientSampleId :

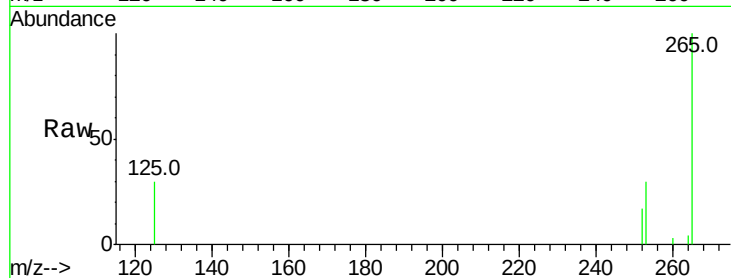
Tot Ion:252 Resp: 43

Ion Ratio Lower Upper

252 100

253 176.5 0.0 45.4#

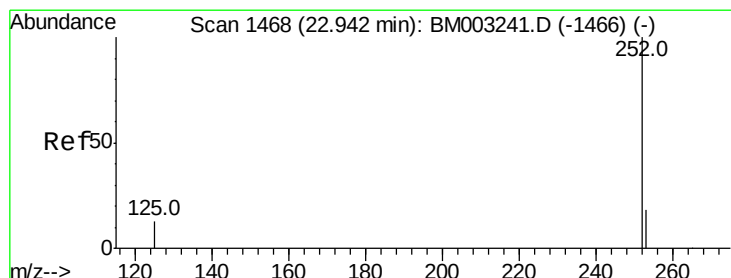
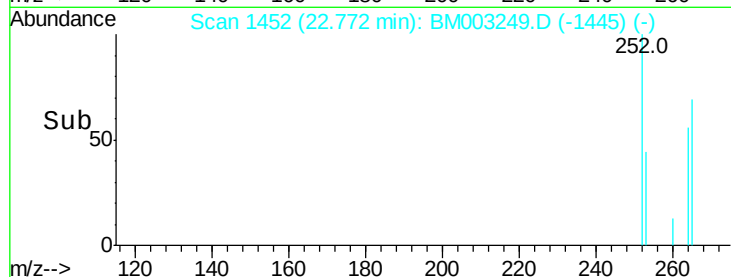
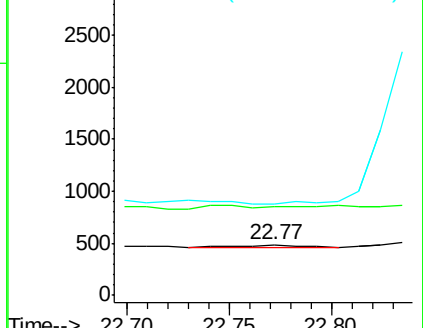
125 181.7 0.0 28.8#



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/ul

RT: 22.77 min Scan# 1452

Delta R.T. -0.17 min

Lab File: BM003249.D

Acq: 21 Nov 2015 15:07

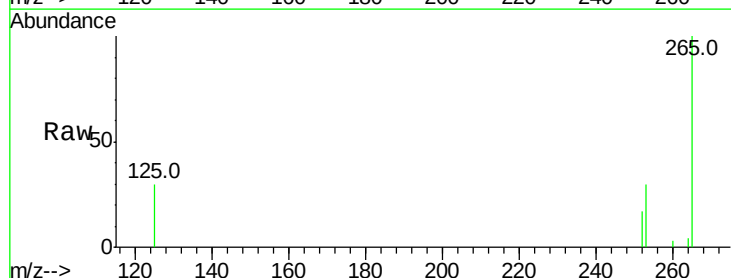
Tgt Ion:252 Resp: 43

Ion Ratio Lower Upper

252 100

253 176.5 19.8 29.8#

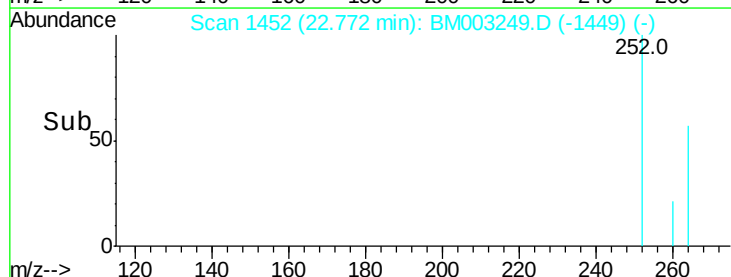
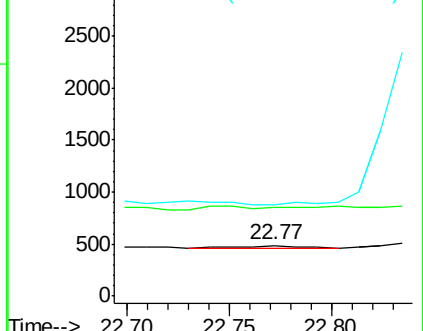
125 181.7 10.4 15.6#

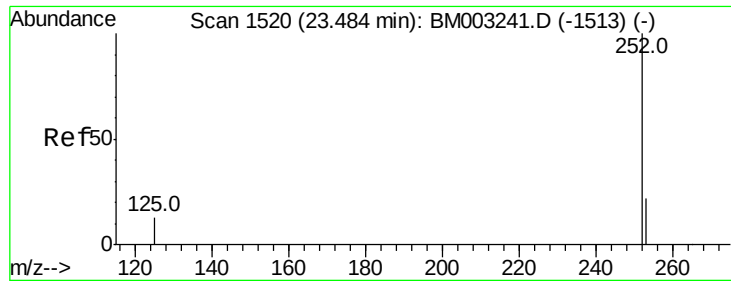


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.44 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BM003249.D

Acq: 21 Nov 2015 15:07

Instrument :

BNA_M

ClientSampleId :

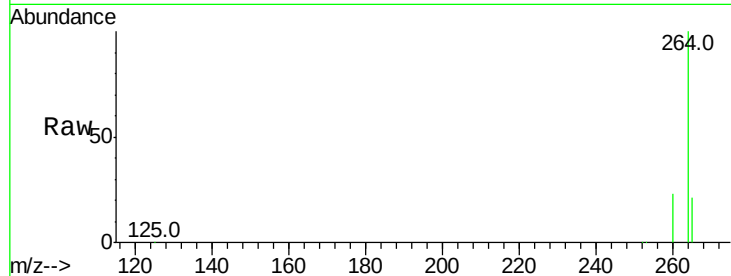
Tot Ion:252 Resp: 12771

Ion Ratio Lower Upper

252 100

253 36.4 19.4 29.2#

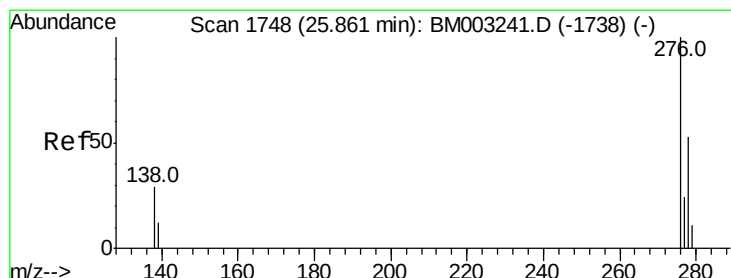
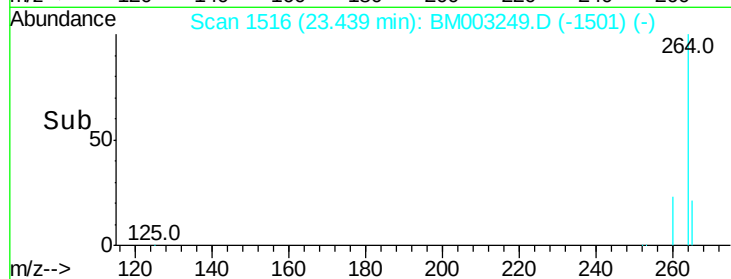
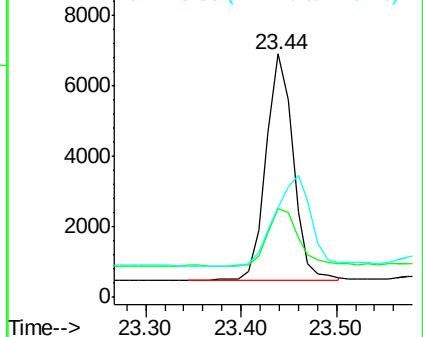
125 37.1 12.7 19.1#



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: 25.72 min Scan# 1735

Delta R.T. -0.14 min

Lab File: BM003249.D

Acq: 21 Nov 2015 15:07

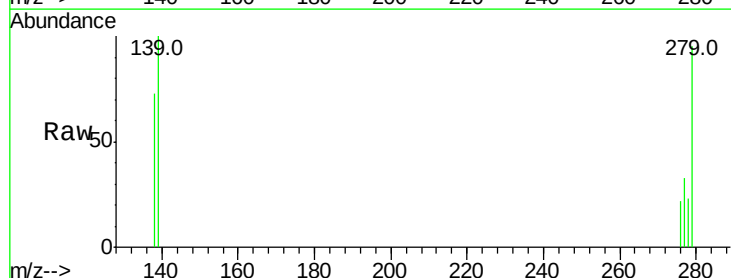
Tgt Ion:276 Resp: 10

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

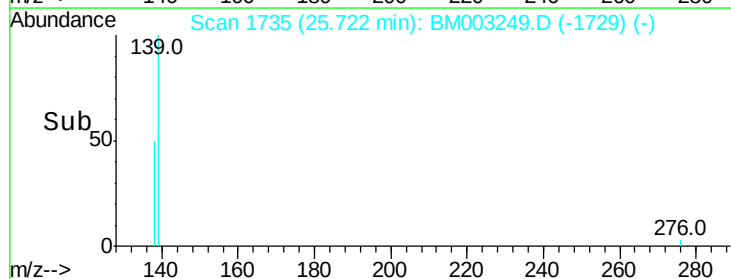
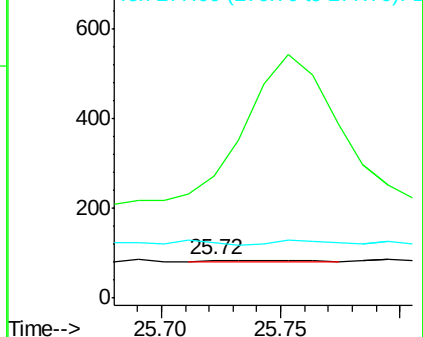
277 90.0 19.8 29.8#

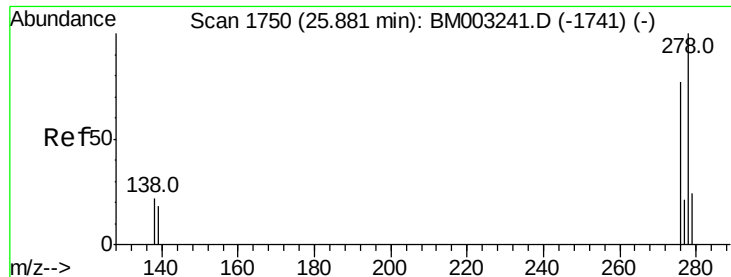


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

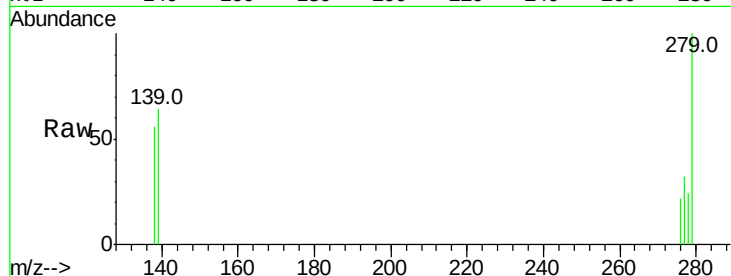




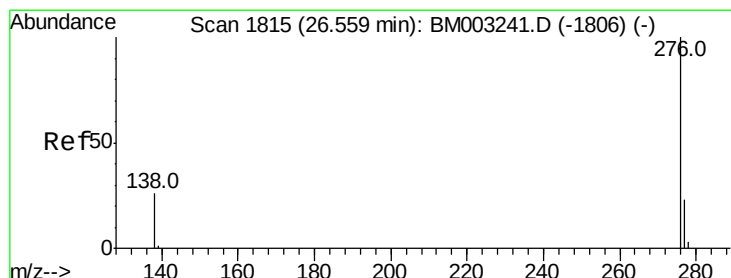
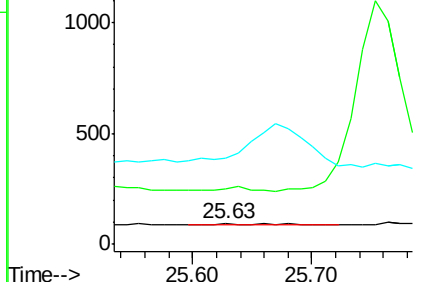
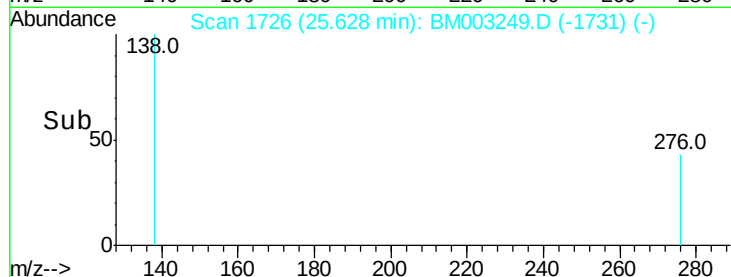
#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.63 min Scan# 1726
Delta R.T. -0.25 min
Lab File: BM003249.D
Acq: 21 Nov 2015 15:07

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 26
Ion Ratio Lower Upper
278 100
139 269.6 16.4 24.6#
279 422.8 20.2 30.2#

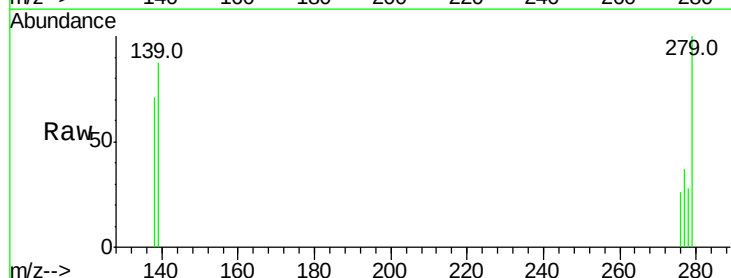


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.39 min Scan# 1799
Delta R.T. -0.17 min
Lab File: BM003249.D
Acq: 21 Nov 2015 15:07

Tgt Ion:276 Resp: 13
Ion Ratio Lower Upper
276 100
277 144.0 18.9 28.3#
138 276.2 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

