

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112115\
 Data File : BM003254.D
 Acq On : 21 Nov 2015 18:06
 Operator : UM/IZ
 Sample : G4323-27DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 22 01:19:24 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	5945	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	23162	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	11742	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	24456	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	22867	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	22949	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	3644	0.57	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	891	0.03	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	1761	0.03	ng/ul	0.00

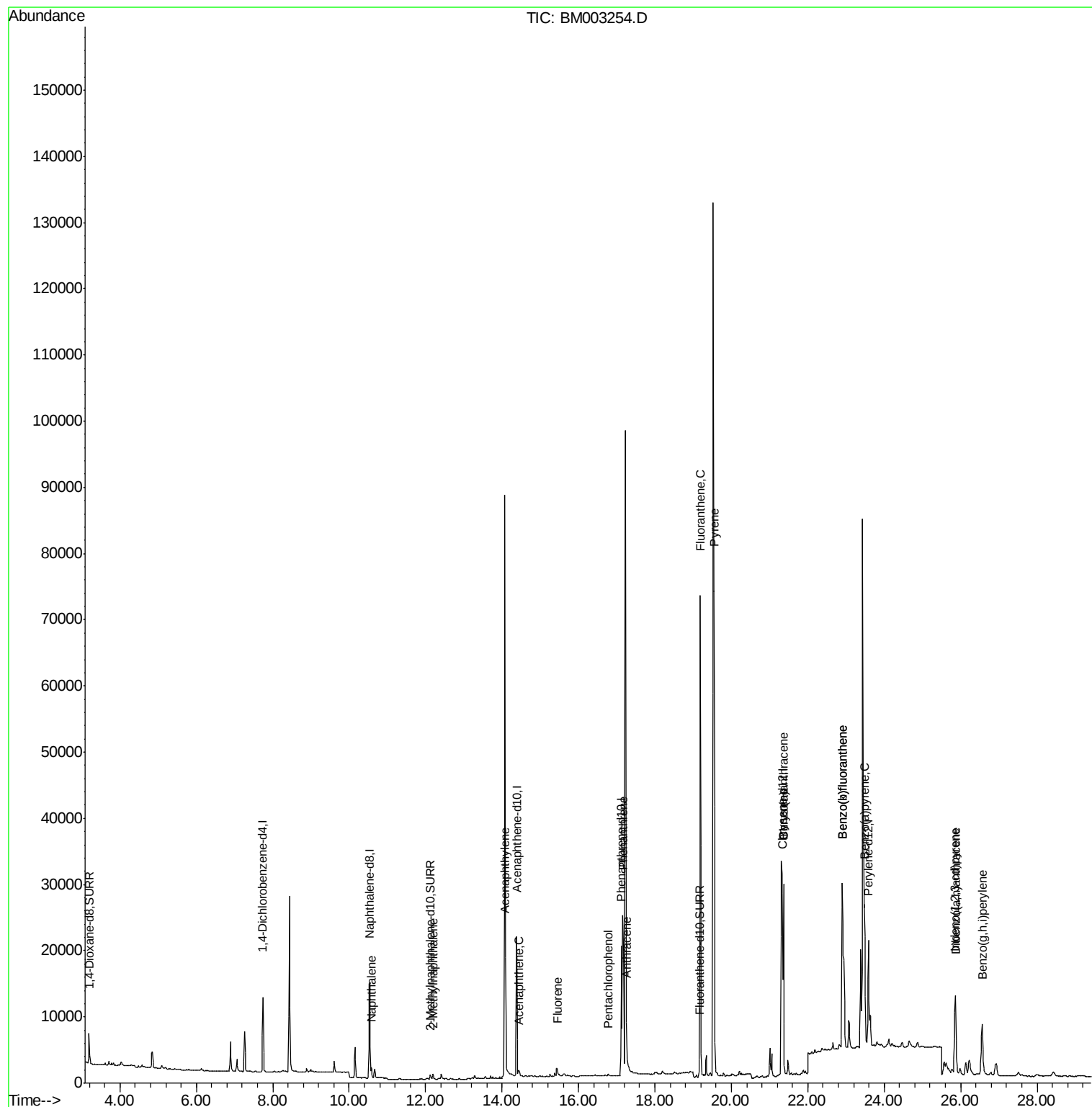
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.57	128	2469	0.04	ng/ul#	84
7) 2-Methylnaphthalene	12.19	142	663	0.02	ng/ul#	100
9) Acenaphthylene	14.09	152	5618	0.11	ng/ul	96
10) Acenaphthene	14.43	153	664	0.02	ng/ul#	73
11) Fluorene	15.44	166	1775	0.04	ng/ul#	84
13) Pentachlorophenol	16.78	266	340	0.06	ng/ul	95
14) Phenanthrene	17.16	178	34356	0.48	ng/ul#	89
15) Anthracene	17.26	178	6799	0.11	ng/ul#	93
17) Fluoranthene	19.19	202	68383	0.87	ng/ul	99
19) Pyrene	19.55	202	65569	0.84	ng/ul	99
20) Benzo(a)anthracene	21.36	228	30102	0.45	ng/ul	95
21) Chrysene	21.36	228	30095	0.40	ng/ul	98
23) Benzo(b)fluoranthene	22.91	252	56751	0.65	ng/ul	93
24) Benzo(k)fluoranthene	22.91	252	56751	0.69	ng/ul#	94
25) Benzo(a)pyrene	23.48	252	27061	0.35	ng/ul#	93
26) Indeno(1,2,3-cd)pyrene	25.86	276	19800	0.21	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.87	278	4566	0.06	ng/ul#	61
28) Benzo(a,h,i)perylene	26.57	276	16813	0.21	ng/ul	97

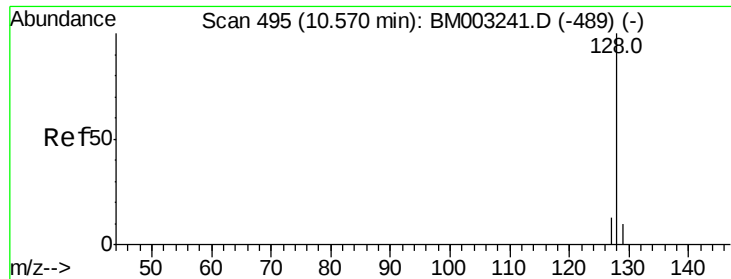
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 01:13:23 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.04 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. 0.00 min

Lab File: BM003254.D

Acq: 21 Nov 2015 18:06

Instrument :

BNA_M

ClientSampleId :

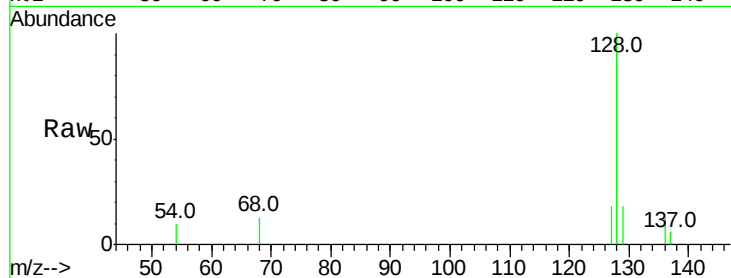
Tot Ion:128 Resp: 2469

Ion Ratio Lower Upper

128 100

129 17.9 9.0 13.6#

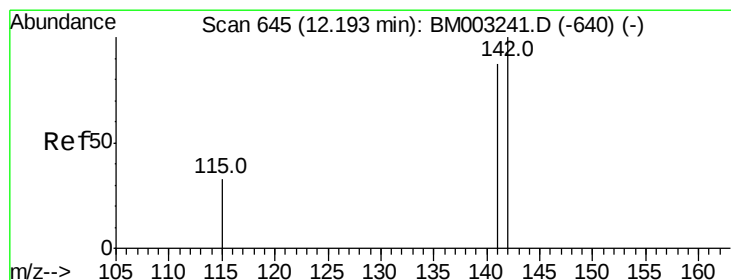
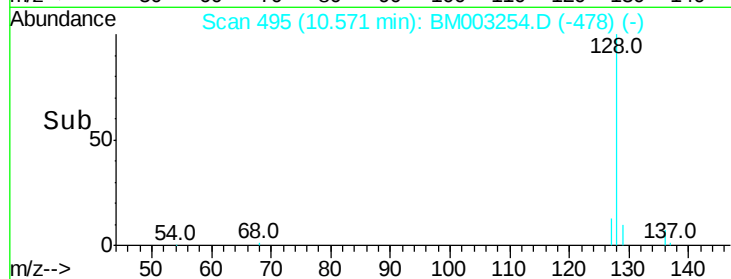
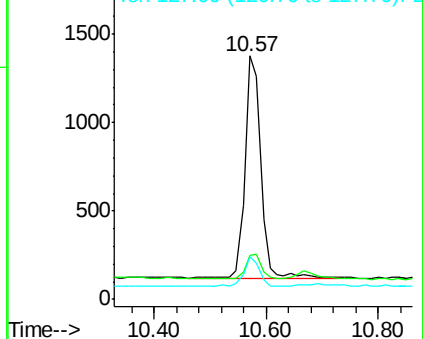
127 17.7 9.6 14.4#



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: 0.02 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003254.D

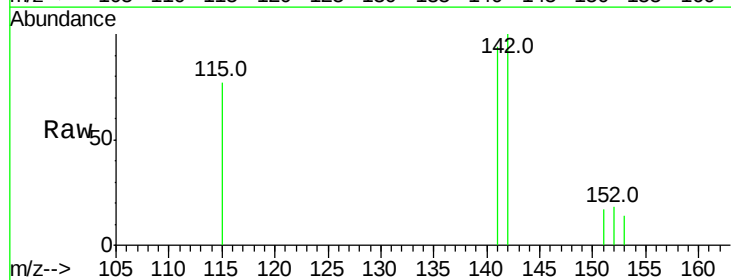
Acq: 21 Nov 2015 18:06

Tgt Ion:142 Resp: 663

Ion Ratio Lower Upper

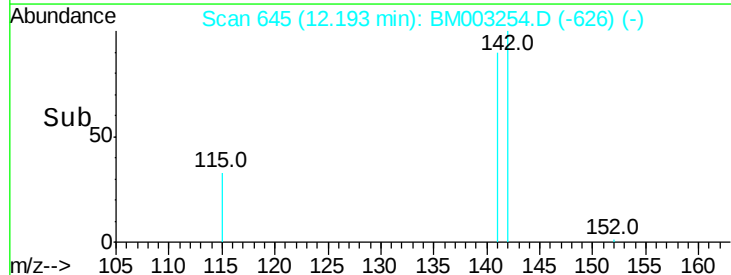
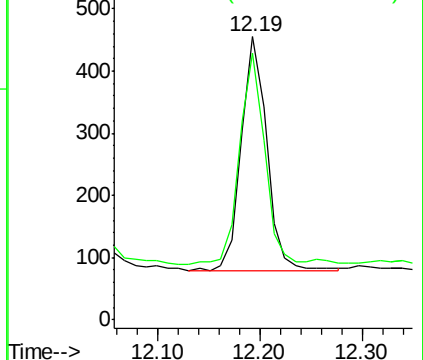
142 100

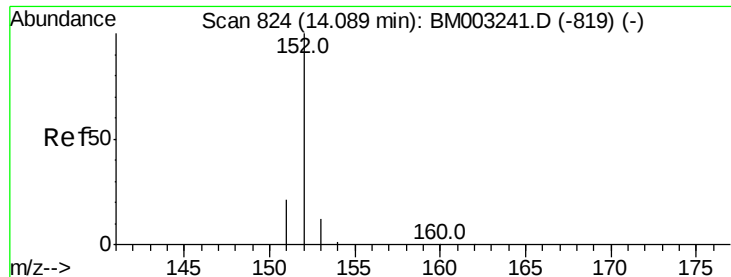
141 86.1 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.11 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003254.D

Acq: 21 Nov 2015 18:06

Instrument :

BNA_M

ClientSampleId :

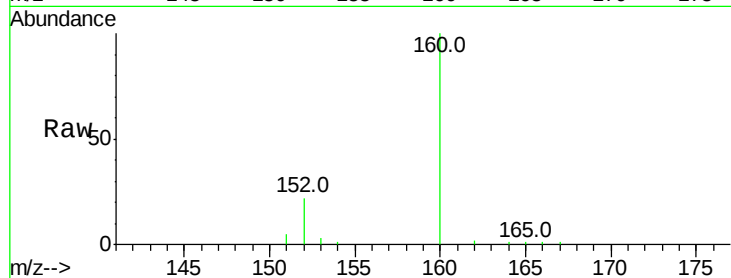
Tot Ion:152 Resp: 5618

Ion Ratio Lower Upper

152 100

151 23.1 17.6 26.4

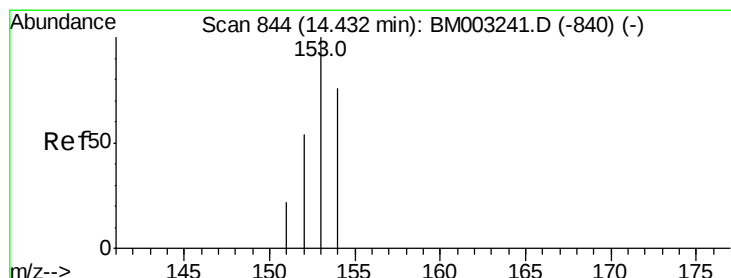
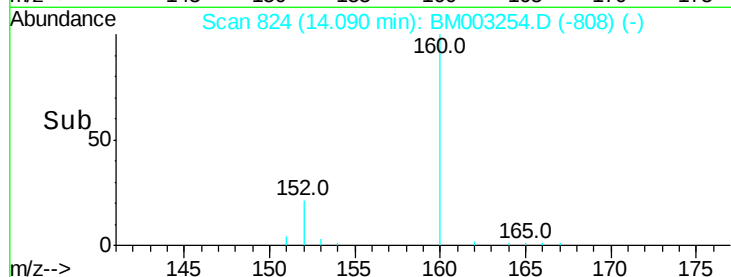
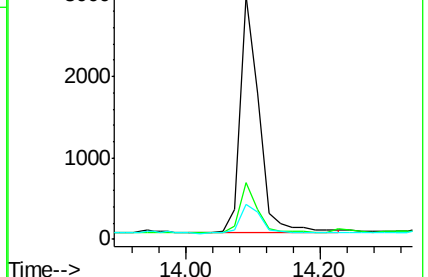
153 14.5 9.7 14.5



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: 0.02 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. 0.00 min

Lab File: BM003254.D

Acq: 21 Nov 2015 18:06

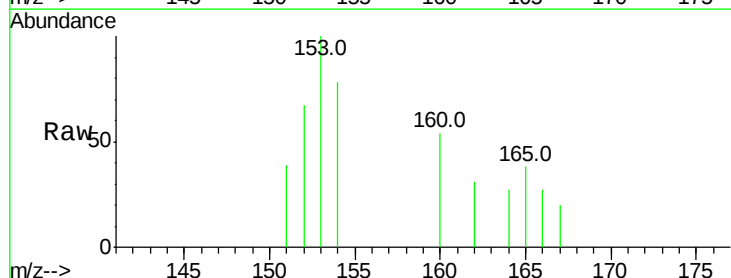
Tgt Ion:153 Resp: 664

Ion Ratio Lower Upper

153 100

152 67.3 33.9 50.9#

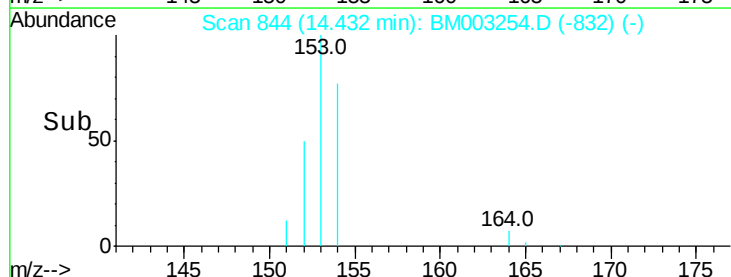
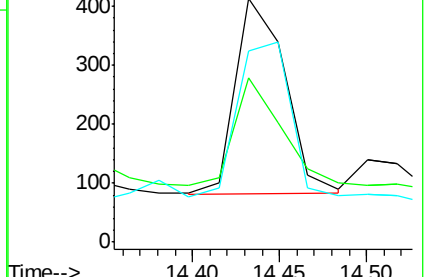
154 78.5 80.6 121.0#

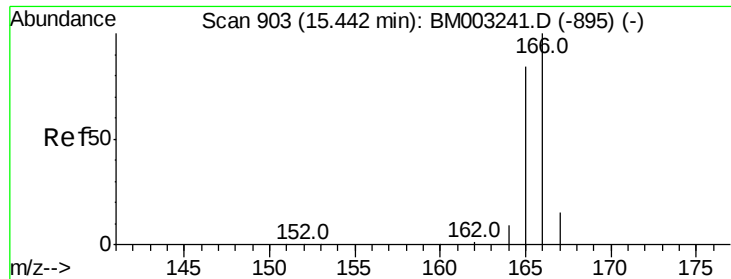


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

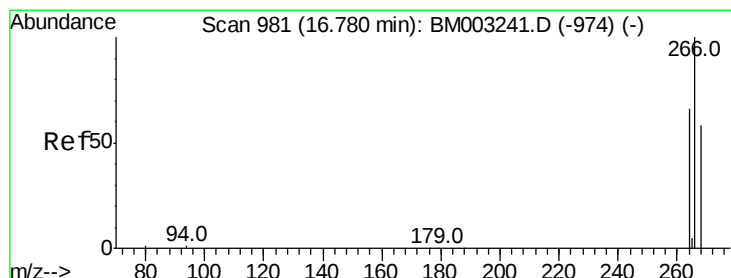
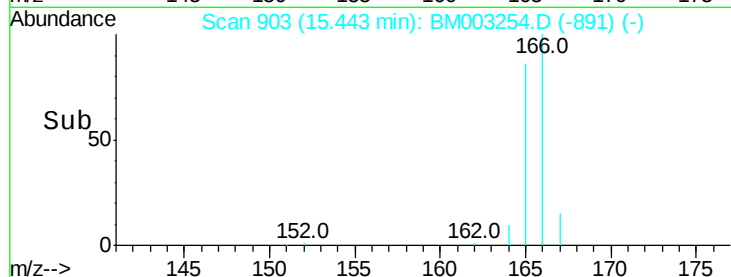
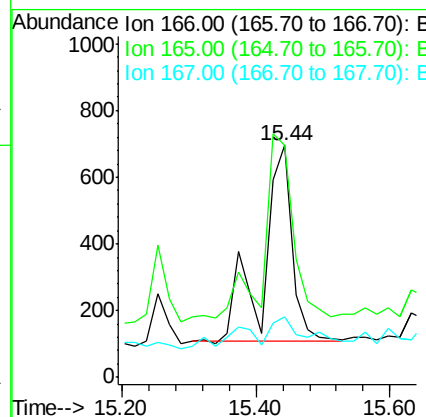
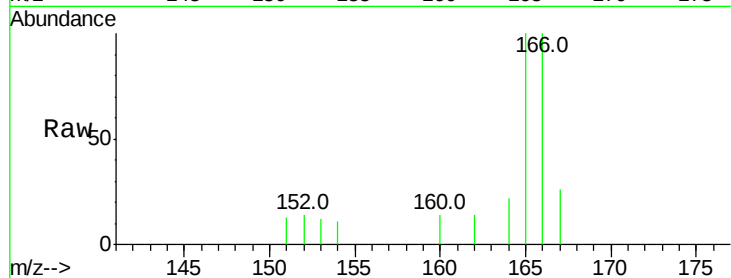




#11
Fluorene
 Concen: 0.04 ng/ul
 RT: 15.44 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: BM003254.D
 Acq: 21 Nov 2015 18:06

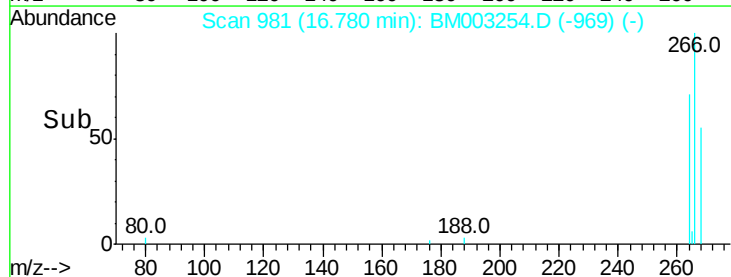
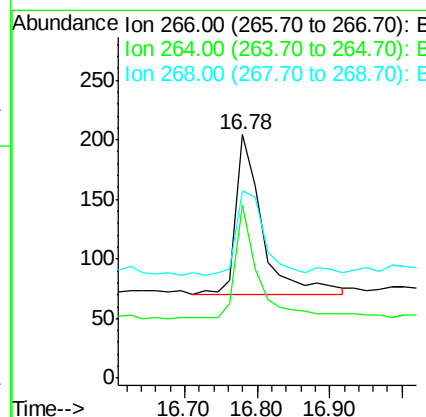
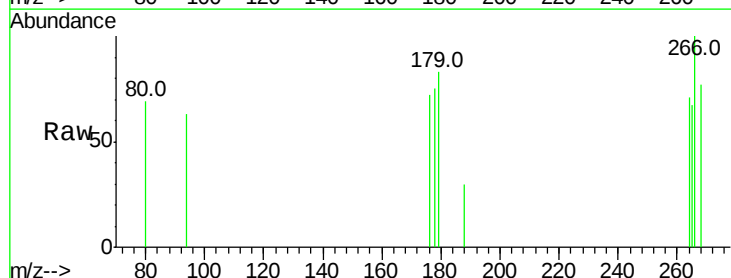
Instrument :
 BNA_M
 ClientSampleId :

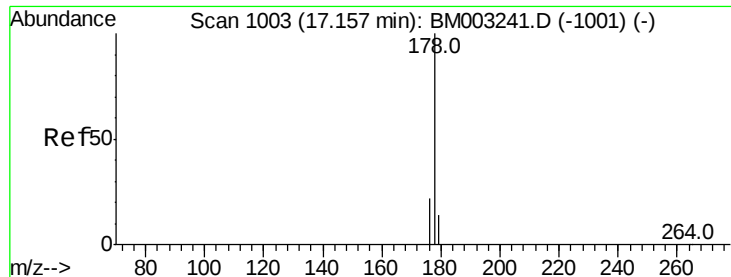
Tot Ion:166 Resp: 1775
 Ion Ratio Lower Upper
 166 100
 165 100.3 69.6 104.4
 167 26.2 11.9 17.9#



#13
Pentachlorophenol
 Concen: 0.06 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BM003254.D
 Acq: 21 Nov 2015 18:06

Tgt Ion:266 Resp: 340
 Ion Ratio Lower Upper
 266 100
 264 60.6 51.8 77.8
 268 55.6 46.8 70.2





#14

Phenanthrene

Concen: 0.48 ng/ul

RT: 17.16 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BM003254.D

Acq: 21 Nov 2015 18:06

Instrument :

BNA_M

ClientSampleId :

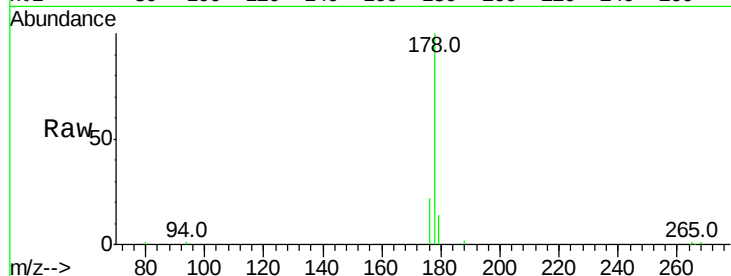
Tot Ion:178 Resp: 34356

Ion Ratio Lower Upper

178 100

176 22.2 13.0 19.4#

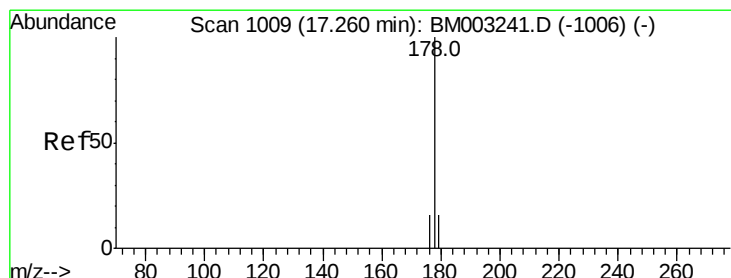
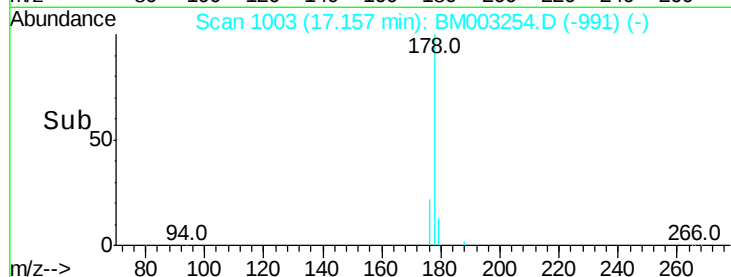
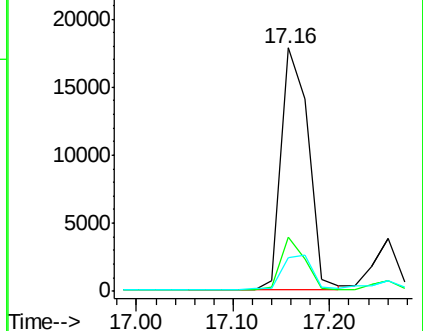
179 13.9 14.2 21.2#



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: 0.11 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BM003254.D

Acq: 21 Nov 2015 18:06

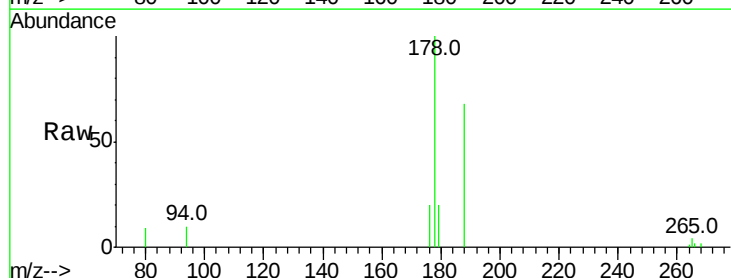
Tgt Ion:178 Resp: 6799

Ion Ratio Lower Upper

178 100

176 19.8 14.0 21.0

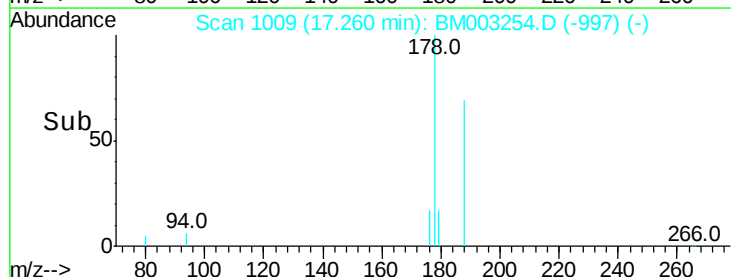
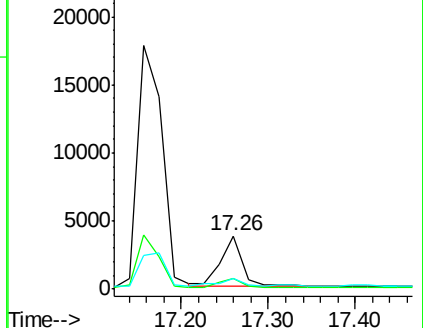
179 20.1 12.9 19.3#

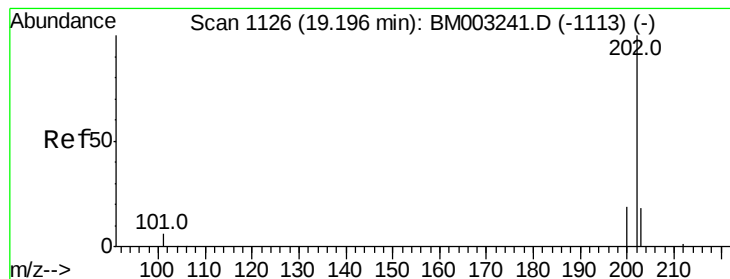


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.87 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BM003254.D

Acq: 21 Nov 2015 18:06

Instrument :

BNA_M

ClientSampleId :

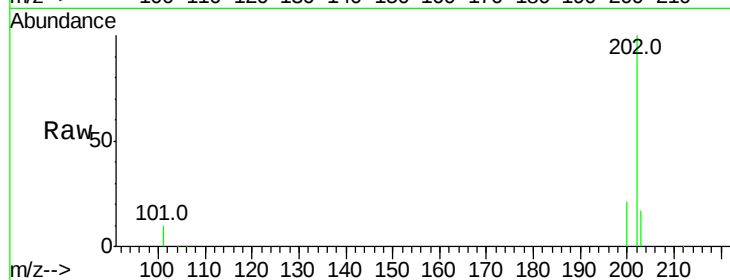
Tot Ion:202 Resp: 68383

Ion Ratio Lower Upper

202 100

101 10.3 0.0 29.6

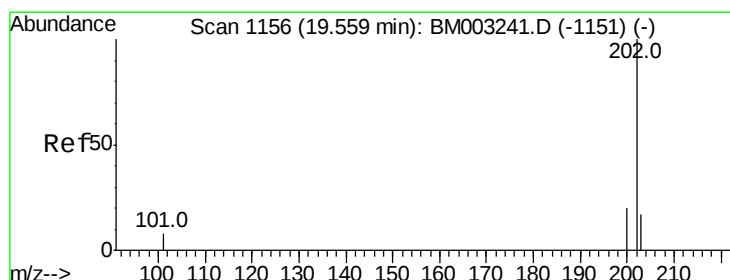
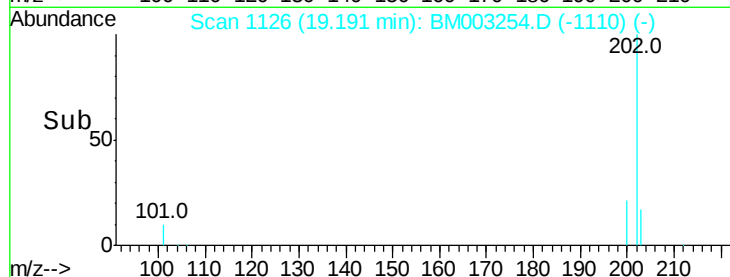
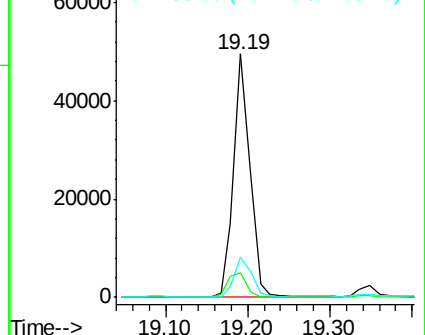
203 16.6 0.0 36.3



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: 0.84 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BM003254.D

Acq: 21 Nov 2015 18:06

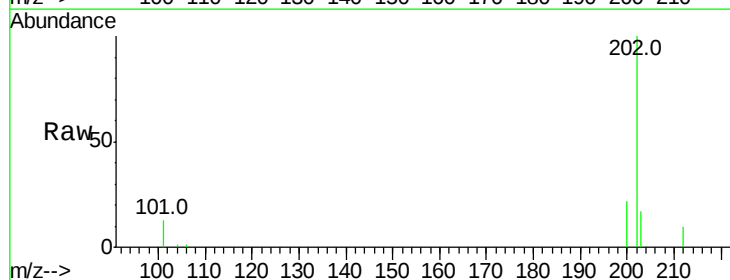
Tgt Ion:202 Resp: 65569

Ion Ratio Lower Upper

202 100

200 22.0 17.8 26.8

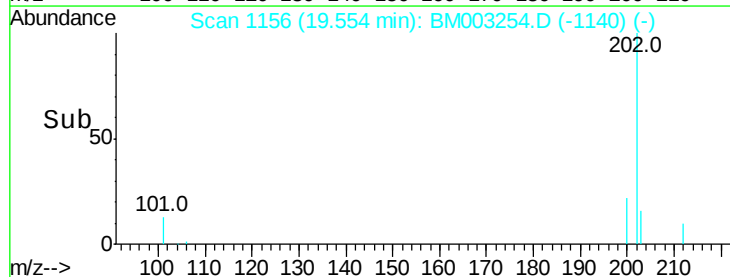
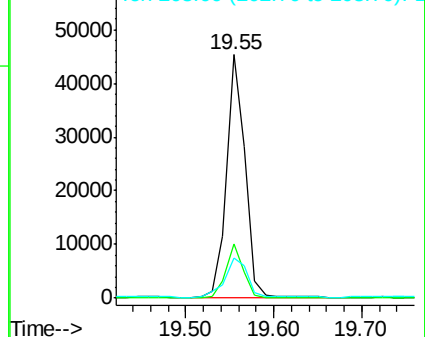
203 16.7 12.8 19.2

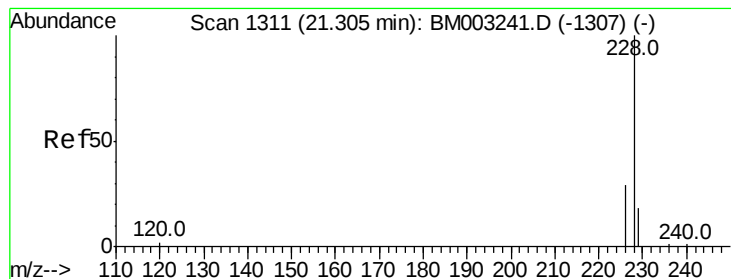


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.45 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.06 min

Lab File: BM003254.D

Acq: 21 Nov 2015 18:06

Instrument :

BNA_M

ClientSampleId :

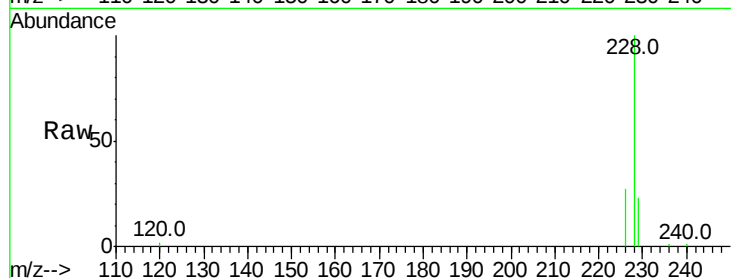
Tot Ion:228 Resp: 30102

Ion Ratio Lower Upper

228 100

226 27.1 18.8 28.2

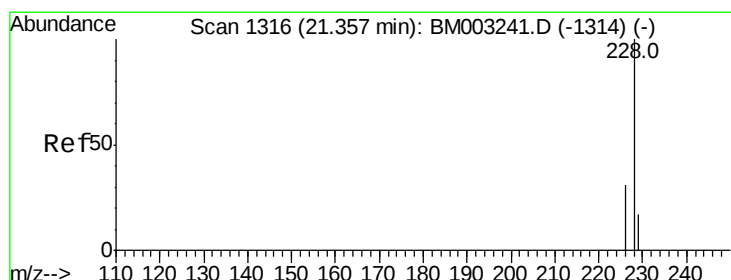
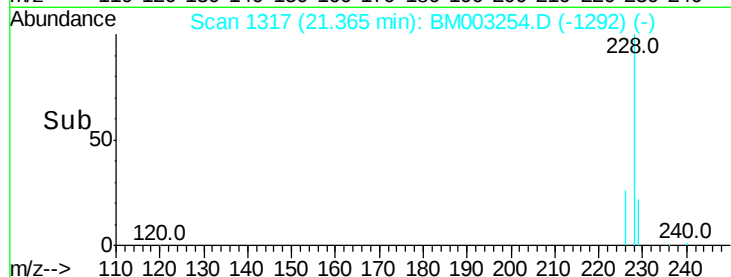
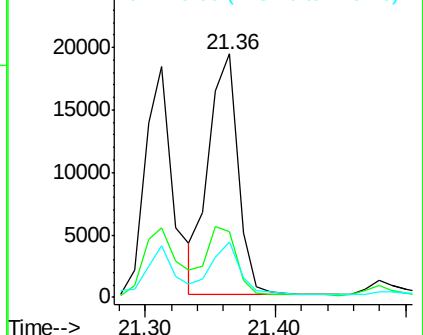
229 23.0 17.1 25.7



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: 0.40 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BM003254.D

Acq: 21 Nov 2015 18:06

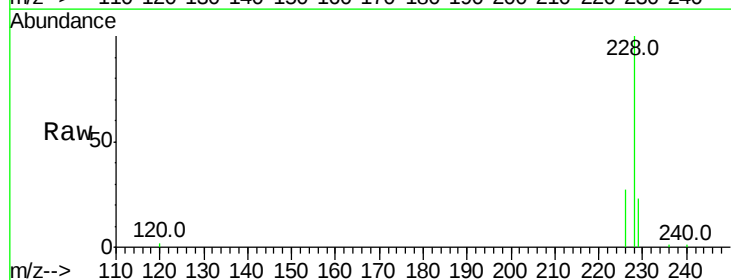
Tgt Ion:228 Resp: 30095

Ion Ratio Lower Upper

228 100

226 27.1 21.2 31.8

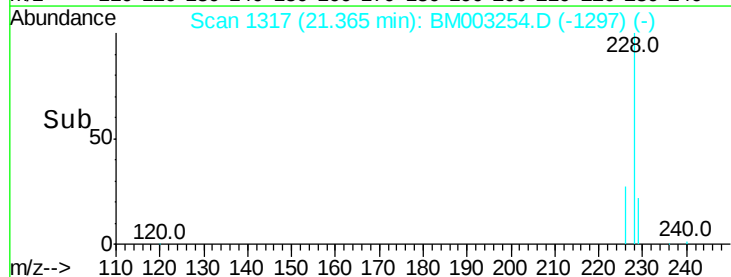
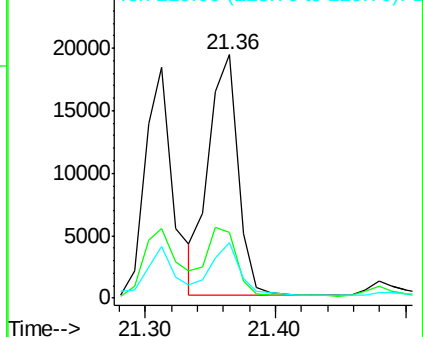
229 23.0 17.0 25.6

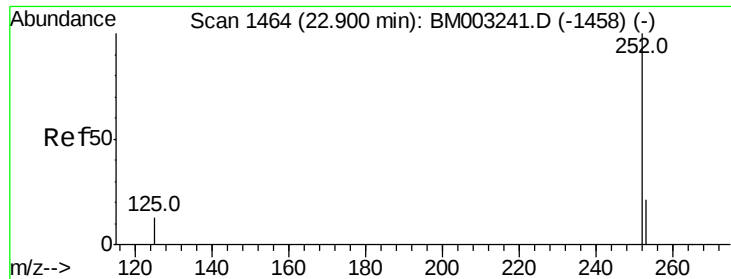


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

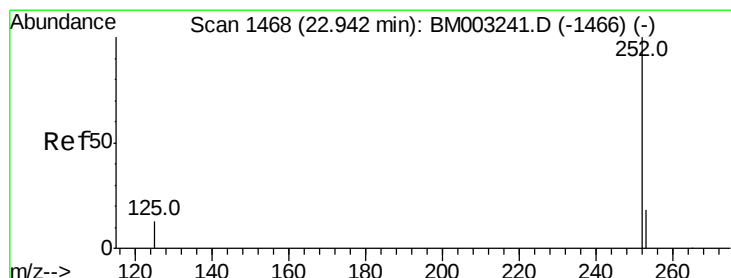
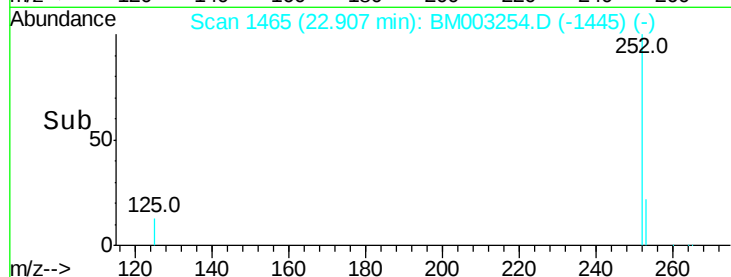
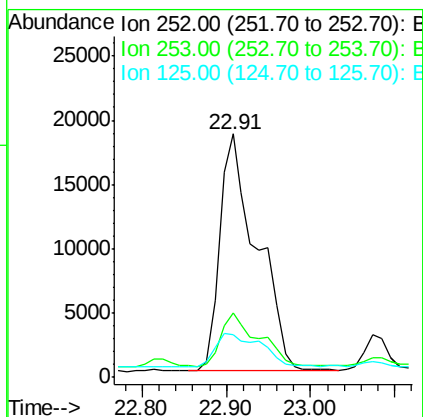
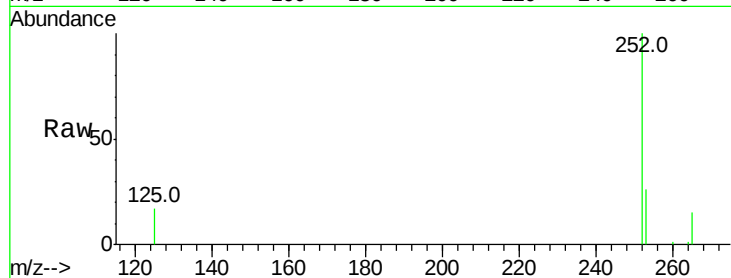




#23
Benzo(b)fluoranthene
Concen: 0.65 ng/ul
RT: 22.91 min Scan# 1465
Delta R.T. 0.01 min
Lab File: BM003254.D
Acq: 21 Nov 2015 18:06

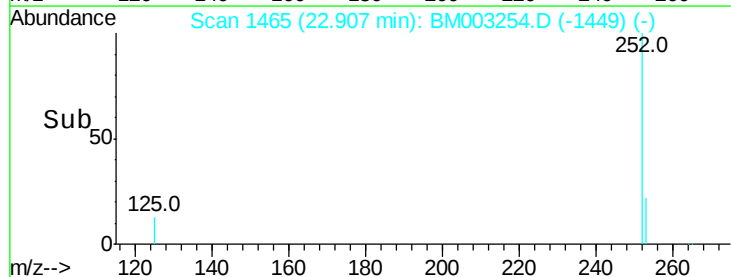
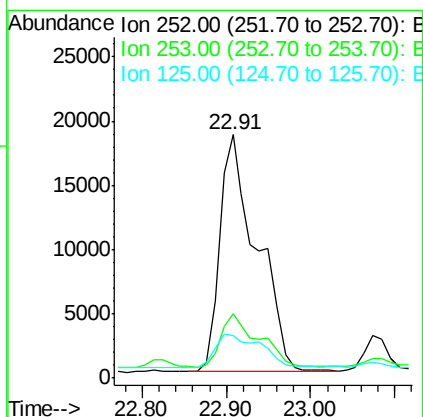
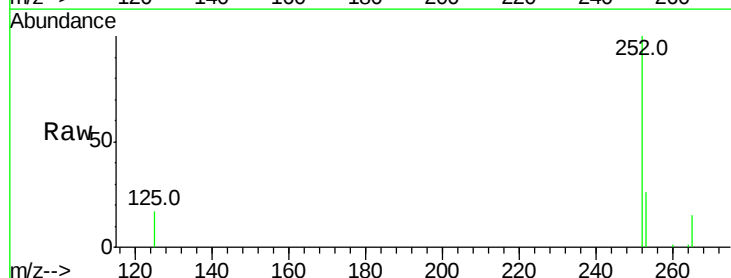
Instrument :
BNA_M
ClientSampleId :

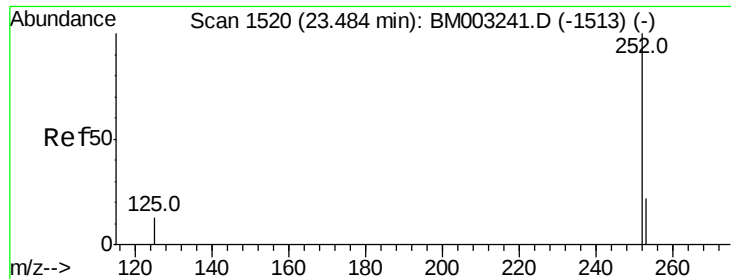
Tot Ion:252 Resp: 56751
Ion Ratio Lower Upper
252 100
253 26.3 0.0 45.4
125 17.3 0.0 28.8



#24
Benzo(k)fluoranthene
Concen: 0.69 ng/ul
RT: 22.91 min Scan# 1465
Delta R.T. -0.03 min
Lab File: BM003254.D
Acq: 21 Nov 2015 18:06

Tgt Ion:252 Resp: 56751
Ion Ratio Lower Upper
252 100
253 26.3 19.8 29.8
125 17.3 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.35 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BM003254.D

Acq: 21 Nov 2015 18:06

Instrument :

BNA_M

ClientSampleId :

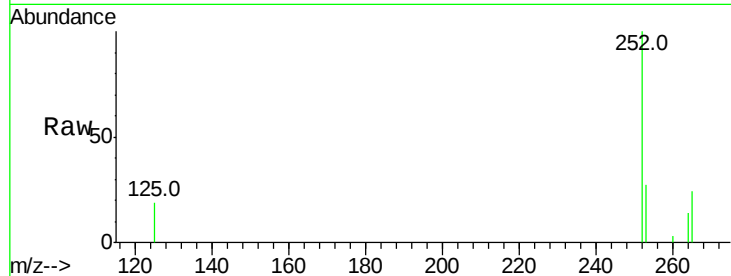
Tot Ion:252 Resp: 27061

Ion Ratio Lower Upper

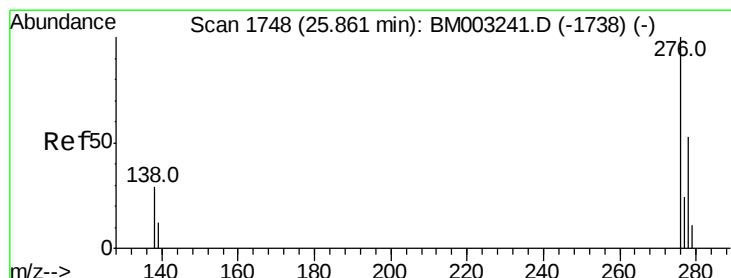
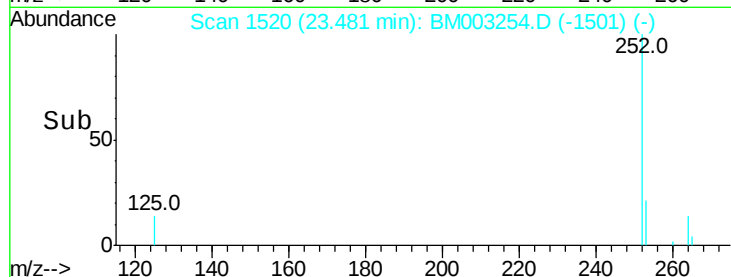
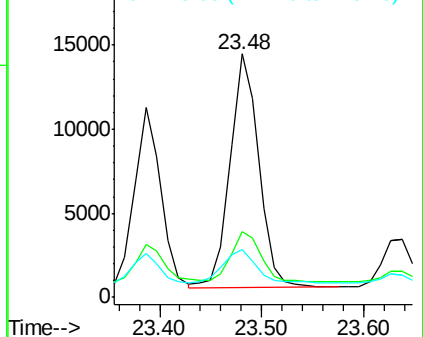
252 100

253 27.1 19.4 29.2

125 19.4 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: 0.21 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BM003254.D

Acq: 21 Nov 2015 18:06

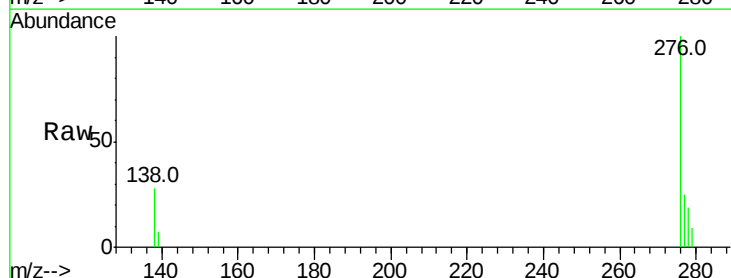
Tgt Ion:276 Resp: 19800

Ion Ratio Lower Upper

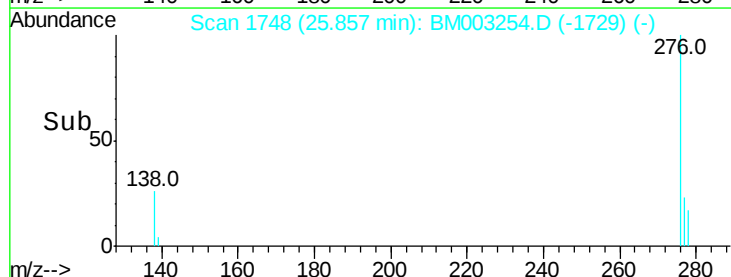
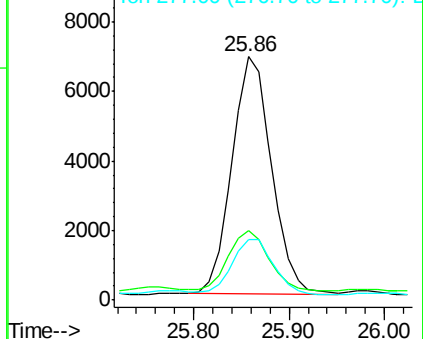
276 100

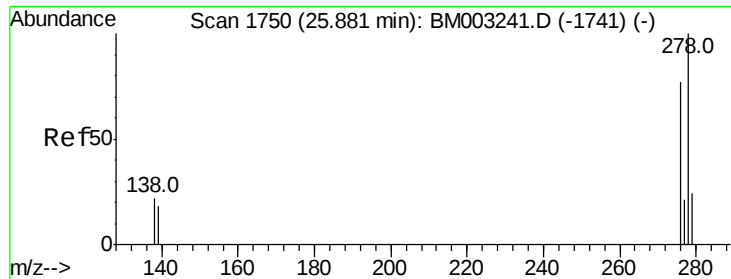
138 25.9 16.3 24.5#

277 24.2 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

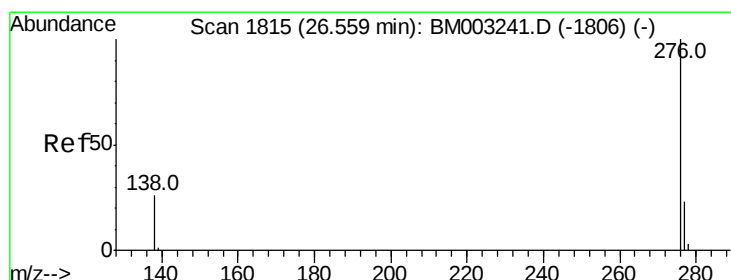
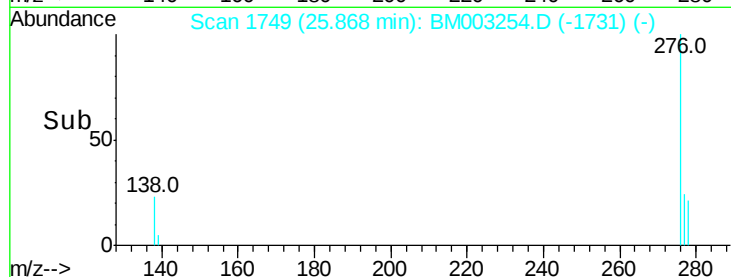
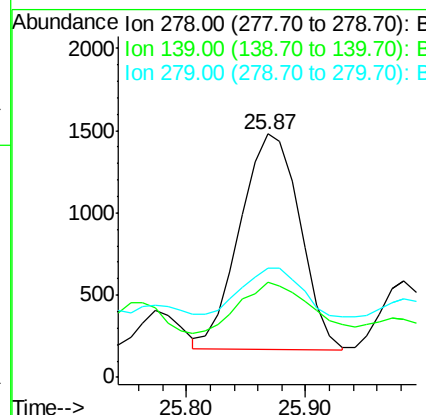
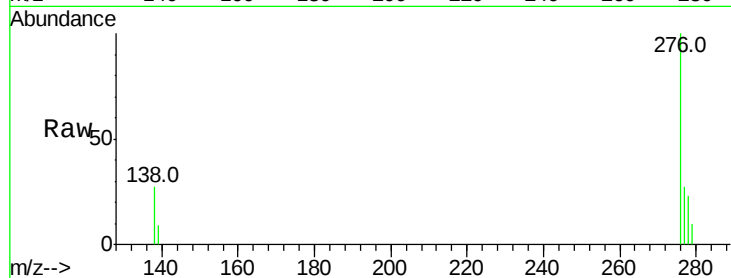




#27
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 25.87 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BM003254.D
Acq: 21 Nov 2015 18:06

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 4566
Ion Ratio Lower Upper
278 100
139 38.9 16.4 24.6#
279 45.0 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.21 ng/ul
RT: 26.57 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BM003254.D
Acq: 21 Nov 2015 18:06

Tgt Ion:276 Resp: 16813
Ion Ratio Lower Upper
276 100
277 25.8 18.9 28.3
138 28.9 22.5 33.7

