

Data Path : Z:\HPCHEM1\BNA_M\Data\BM081215\
 Data File : BM002365.D
 Acq On : 12 Aug 2015 17:42
 Operator : UM/IZ
 Sample : G3163-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C97

Quant Time: Aug 12 18:27:11 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 17:25:11 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	215110	20.00	ng/ul	0.00
2) Naphthalene-d8	11.78	136	986300	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	531769	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	977106	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	677344	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	660447	20.00	ng/ul	0.02

System Monitoring Compounds						
7) Acenaphthylene-d8	15.19	160	996363	18.09	ng/ul	0.00
10) Fluorene-d10	16.46	176	641872	16.75	ng/ul	0.00
14) Anthracene-d10	18.30	188	843624	17.79	ng/ul	0.00
18) Pyrene-d10	20.52	212	691062	21.04	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.82	264	603890	17.22	ng/ul	0.02

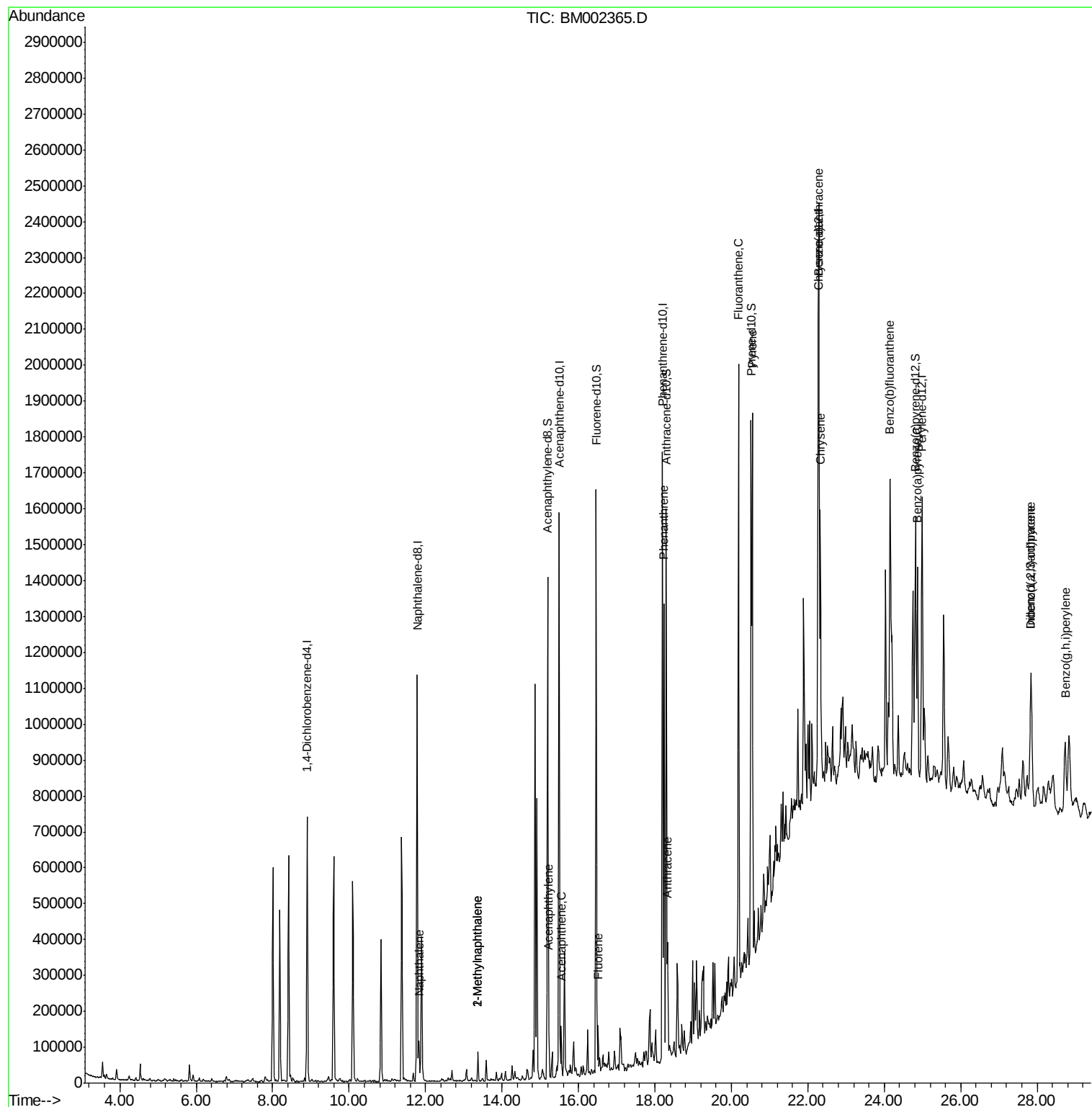
Target Compounds				Qvalue		
3) Naphthalene	11.83	128	96600	1.86	ng/ul	99
4) 2-Methylnaphthalene	13.37	142	41742	1.13	ng/ul	100
5) 1-Methylnaphthalene	13.37	142	41742	1.14	ng/ul	98
8) Acenaphthylene	15.22	152	99776	1.74	ng/ul	99
9) Acenaphthene	15.55	153	55428	1.44	ng/ul	96
11) Fluorene	16.52	166	59196	1.37	ng/ul#	99
13) Phenanthrene	18.24	178	770760	13.71	ng/ul	99
15) Anthracene	18.33	178	204661	3.52	ng/ul	100
16) Fluoranthene	20.19	202	1040954	16.72	ng/ul	100
19) Pyrene	20.54	202	854406	19.51	ng/ul	98
20) Benzo(a)anthracene	22.27	228	510908	12.36	ng/ul	98
21) Chrysene	22.33	228	518715	13.24	ng/ul	96
23) Benzo(b)fluoranthene	24.16	252	814797	19.85	ng/ul	97
26) Benzo(a)pyrene	24.87	252	483070	12.30	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.84	276	333960	7.42	ng/ul	95
28) Dibenzo(a,h)anthracene	27.84	278	100820	2.64	ng/ul#	78
29) Benzo(g,h,i)perylene	28.73	276	284777	7.50	ng/ul	95

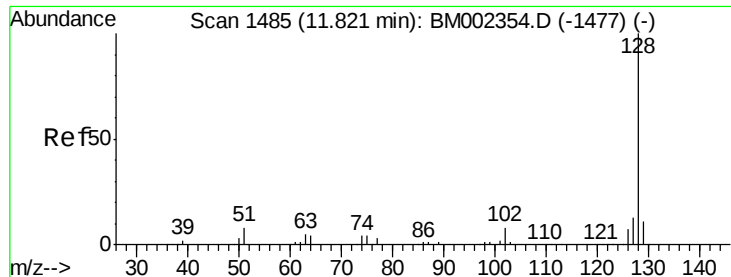
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\Data\BM081215\
Data File : BM002365.D
Acq On : 12 Aug 2015 17:42
Operator : UM/IZ
Sample : G3163-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9C97

Quant Time: Aug 12 18:27:11 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 12 17:25:11 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.86 ng/ul

RT: 11.83 min Scan# 1486

Delta R.T. 0.01 min

Lab File: BM002365.D

Acq: 12 Aug 2015 17:42

Instrument :

BNA_M

ClientSampleId :

D9C97

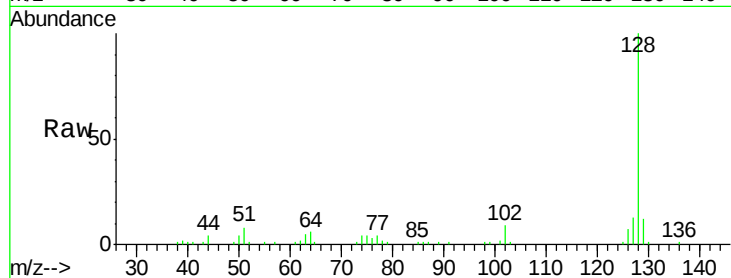
Tgt Ion:128 Resp: 96600

Ion Ratio Lower Upper

128 100

129 11.6 8.6 12.8

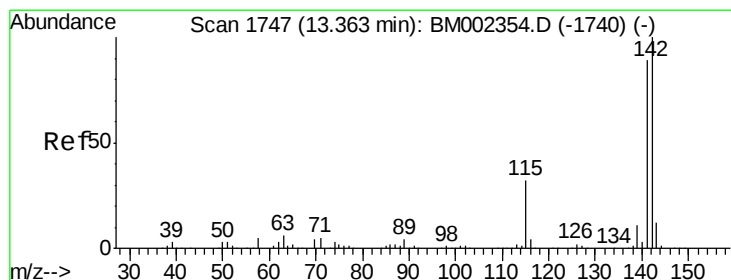
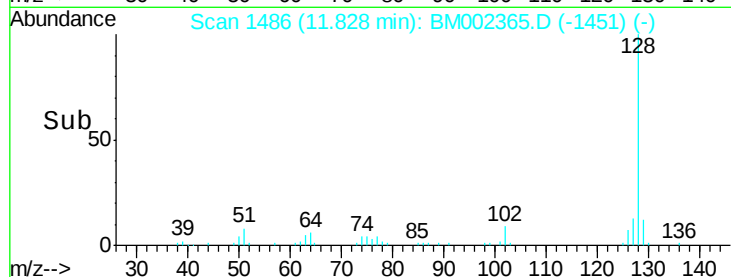
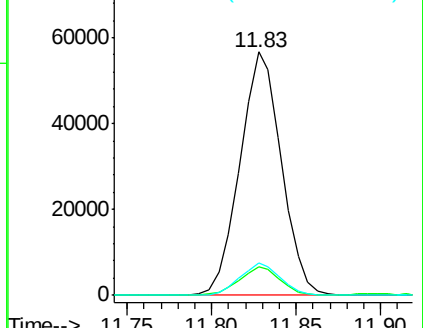
127 13.2 10.4 15.6



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



#4

2-Methylnaphthalene

Concen: 1.13 ng/ul

RT: 13.37 min Scan# 1748

Delta R.T. 0.01 min

Lab File: BM002365.D

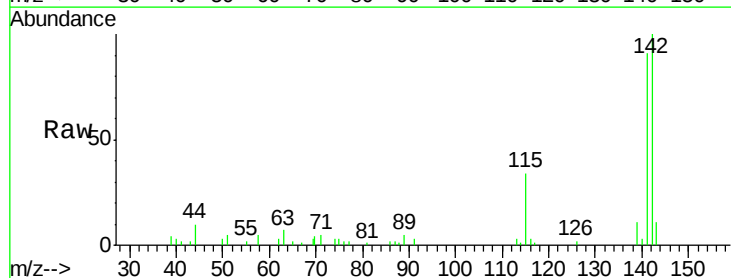
Acq: 12 Aug 2015 17:42

Tgt Ion:142 Resp: 41742

Ion Ratio Lower Upper

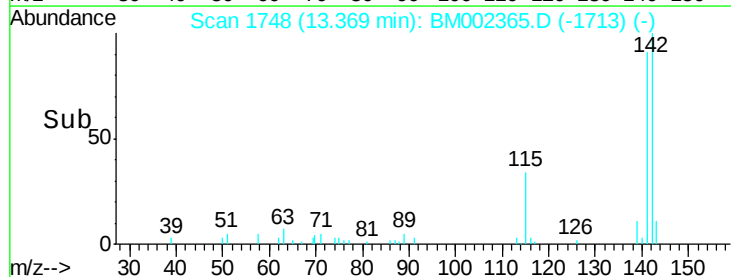
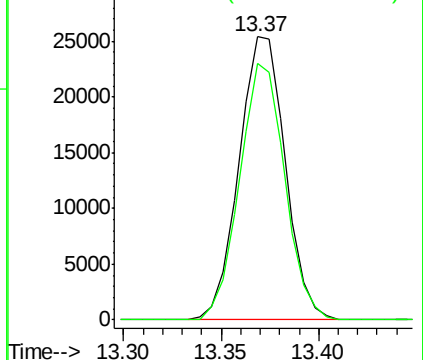
142 100

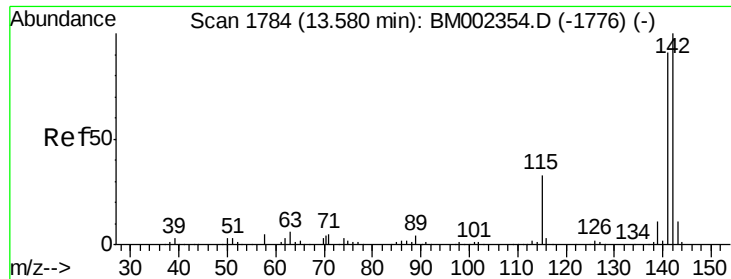
141 90.8 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.14 ng/ul

RT: 13.37 min Scan# 1748

Delta R.T. -0.21 min

Lab File: BM002365.D

Acq: 12 Aug 2015 17:42

Instrument :

BNA_M

ClientSampleId :

D9C97

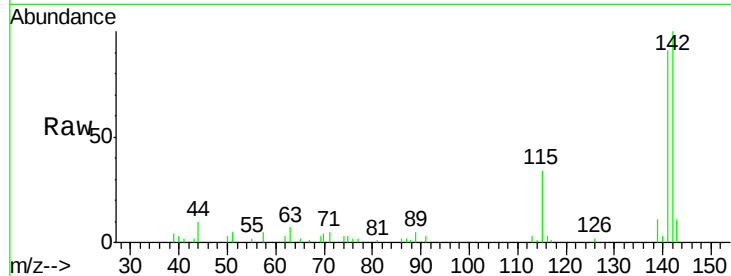
Tgt Ion:142 Resp: 41742

Ion Ratio Lower Upper

142 100

141 90.8 74.5 111.7

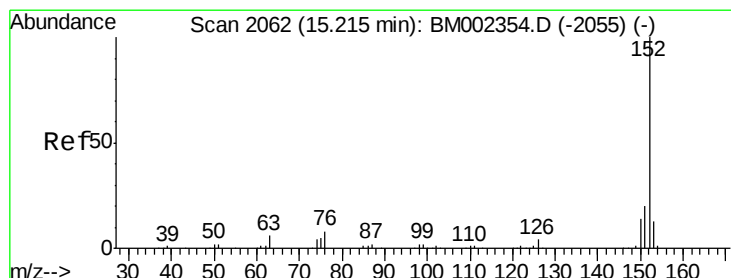
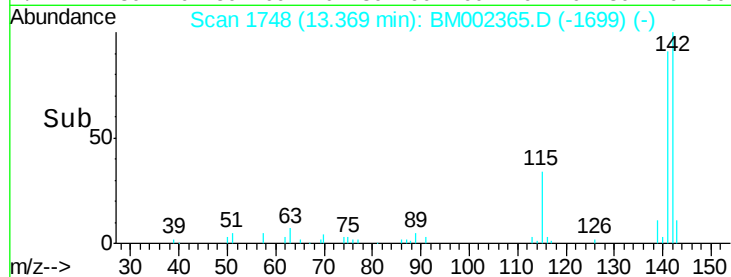
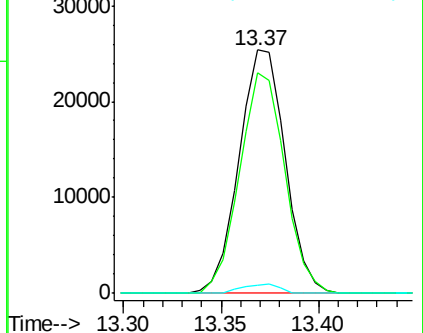
116 3.2 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 1.74 ng/ul

RT: 15.22 min Scan# 2063

Delta R.T. 0.01 min

Lab File: BM002365.D

Acq: 12 Aug 2015 17:42

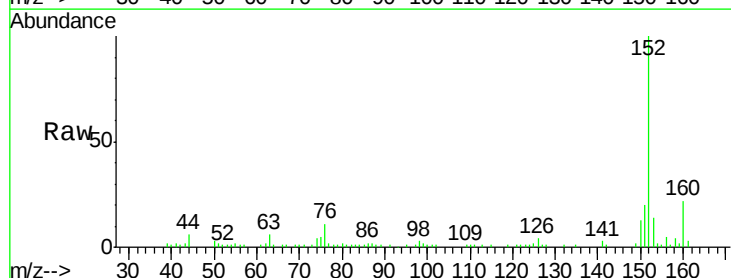
Tgt Ion:152 Resp: 99776

Ion Ratio Lower Upper

152 100

151 19.5 15.9 23.9

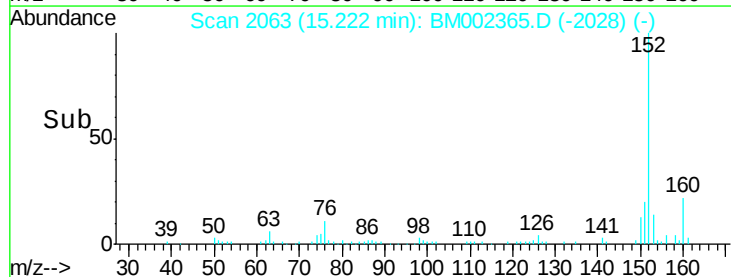
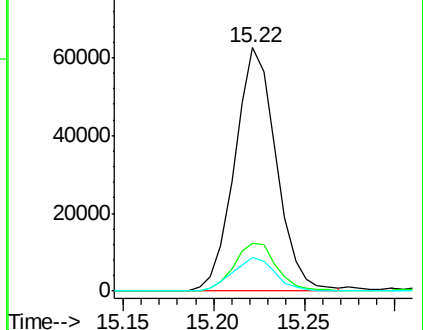
153 13.6 10.6 15.8

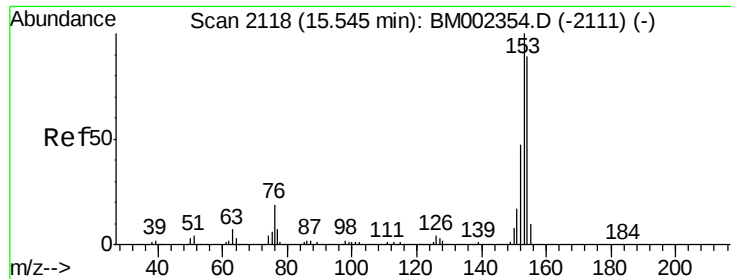


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.44 ng/ul

RT: 15.55 min Scan# 2119

Delta R.T. 0.01 min

Lab File: BM002365.D

Acq: 12 Aug 2015 17:42

Instrument :

BNA_M

ClientSampleId :

D9C97

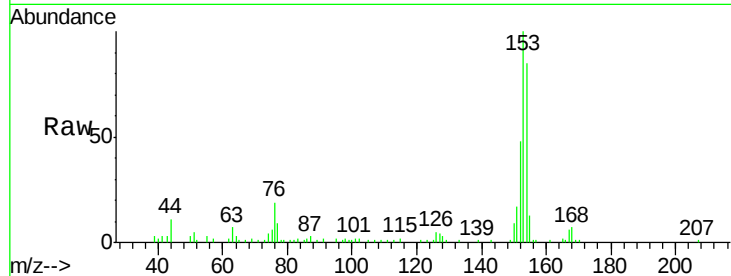
Tgt Ion:153 Resp: 55428

Ion Ratio Lower Upper

153 100

152 48.4 36.6 55.0

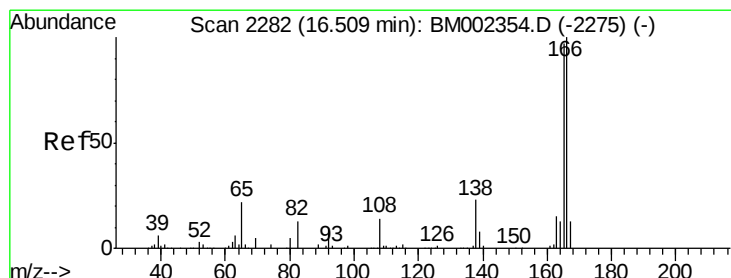
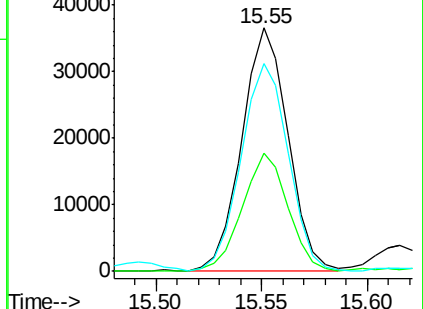
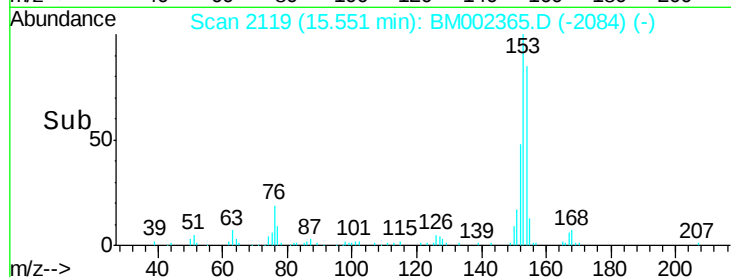
154 85.1 71.5 107.3



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: 1.37 ng/ul

RT: 16.52 min Scan# 2283

Delta R.T. 0.01 min

Lab File: BM002365.D

Acq: 12 Aug 2015 17:42

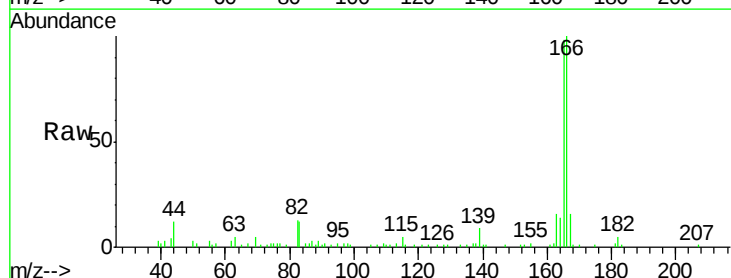
Tgt Ion:166 Resp: 59196

Ion Ratio Lower Upper

166 100

165 97.6 77.5 116.3

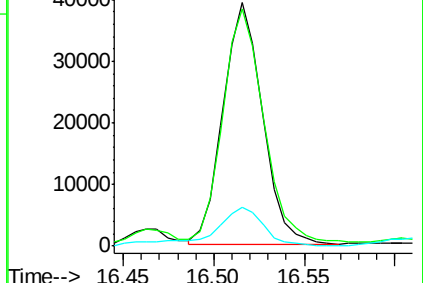
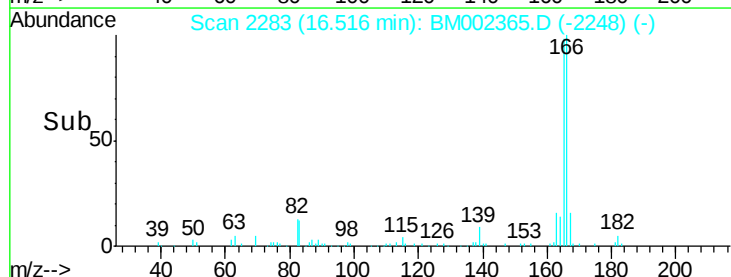
167 16.1 10.4 15.6#

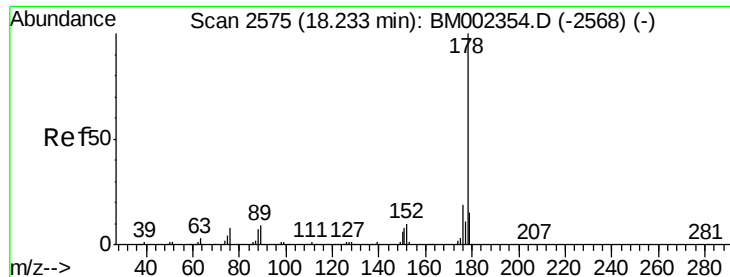


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

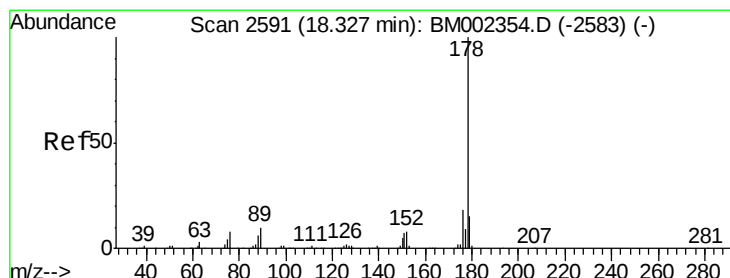
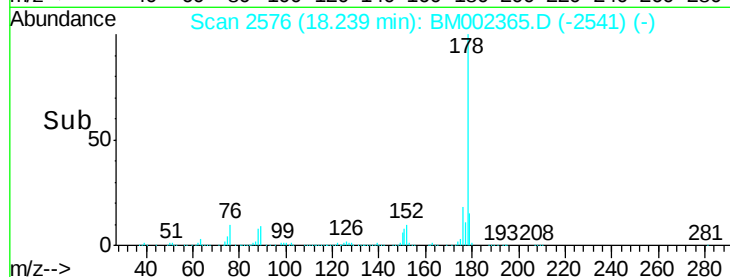
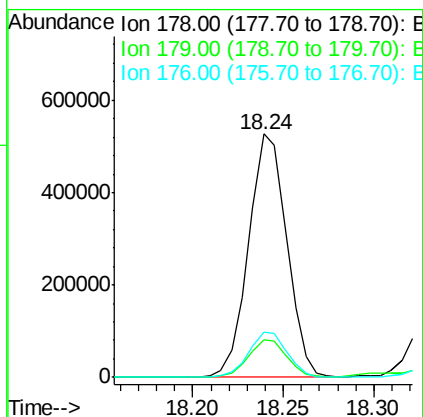
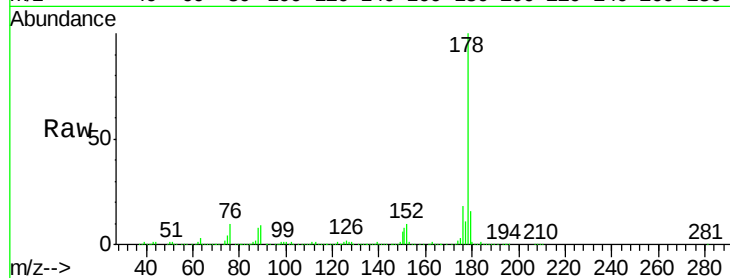




#13
Phenanthrene
Concen: 13.71 ng/ul
RT: 18.24 min Scan# 2576
Delta R.T. 0.01 min
Lab File: BM002365.D
Acq: 12 Aug 2015 17:42

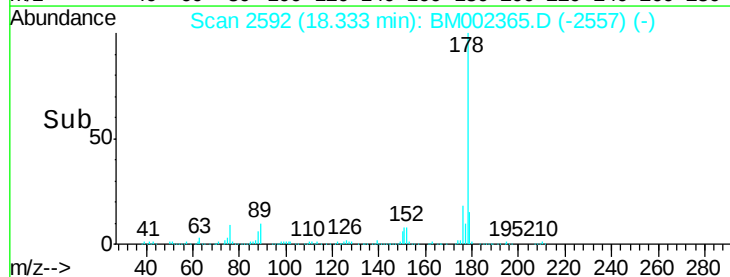
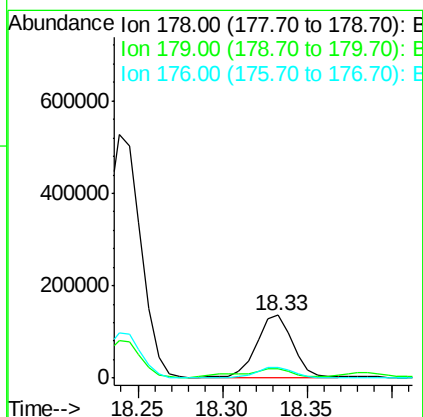
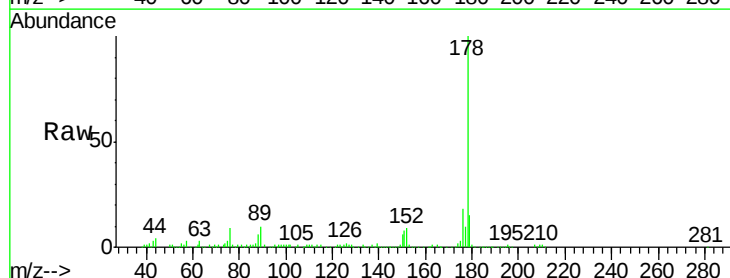
Instrument :
BNA_M
ClientSampleId :
D9C97

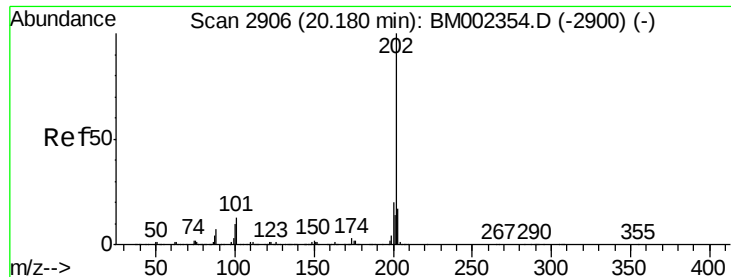
Tgt Ion:178 Resp: 770760
Ion Ratio Lower Upper
178 100
179 15.5 12.3 18.5
176 18.4 15.3 22.9



#15
Anthracene
Concen: 3.52 ng/ul
RT: 18.33 min Scan# 2592
Delta R.T. 0.01 min
Lab File: BM002365.D
Acq: 12 Aug 2015 17:42

Tgt Ion:178 Resp: 204661
Ion Ratio Lower Upper
178 100
179 15.2 12.3 18.5
176 17.9 14.5 21.7

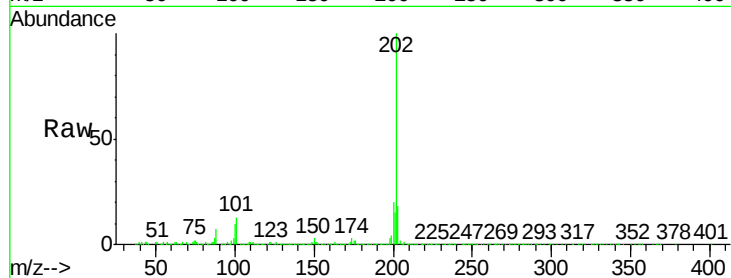




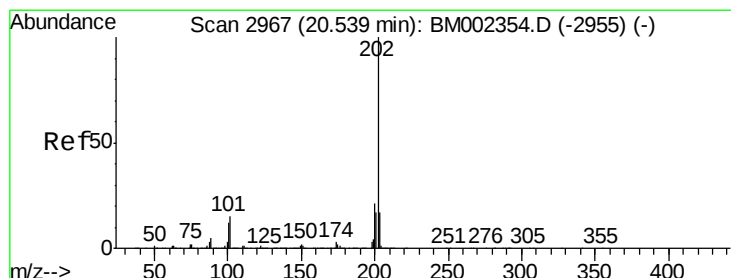
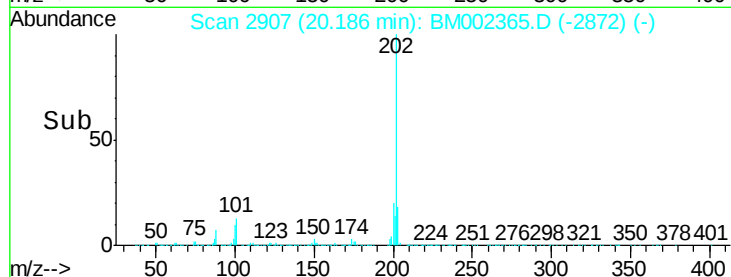
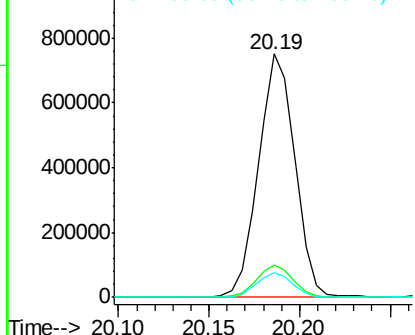
#16
 Fluoranthene
 Concen: 16.72 ng/ul
 RT: 20.19 min Scan# 2907
 Delta R.T. 0.01 min
 Lab File: BM002365.D
 Acq: 12 Aug 2015 17:42

Instrument :
 BNA_M
 ClientSampleId :
 D9C97

Tgt Ion:202 Resp: 1040954
 Ion Ratio Lower Upper
 202 100
 101 13.5 10.6 15.8
 100 10.3 8.2 12.4

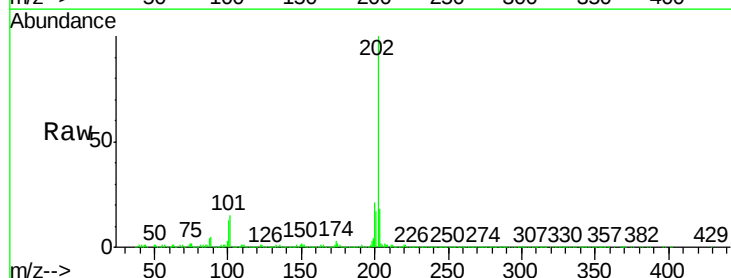


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

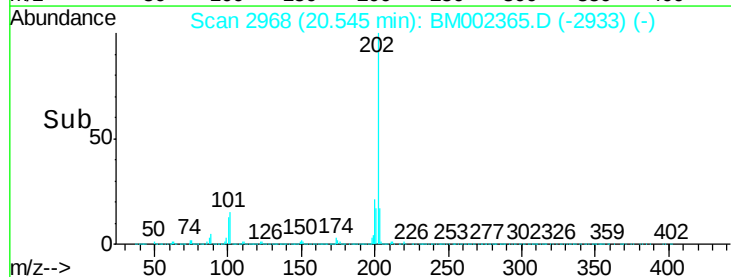
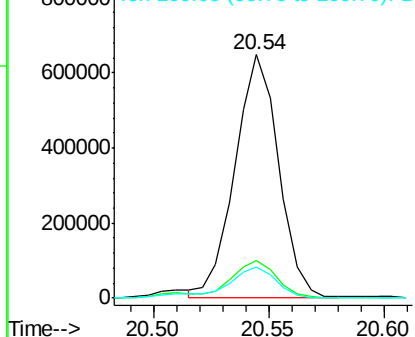


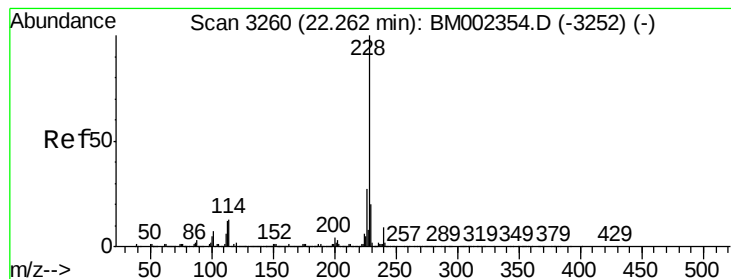
#19
 Pyrene
 Concen: 19.51 ng/ul
 RT: 20.54 min Scan# 2968
 Delta R.T. 0.01 min
 Lab File: BM002365.D
 Acq: 12 Aug 2015 17:42

Tgt Ion:202 Resp: 854406
 Ion Ratio Lower Upper
 202 100
 101 15.4 13.0 19.6
 100 12.6 11.0 16.4



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 12.36 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.01 min

Lab File: BM002365.D

Acq: 12 Aug 2015 17:42

Instrument :

BNA_M

ClientSampleId :

D9C97

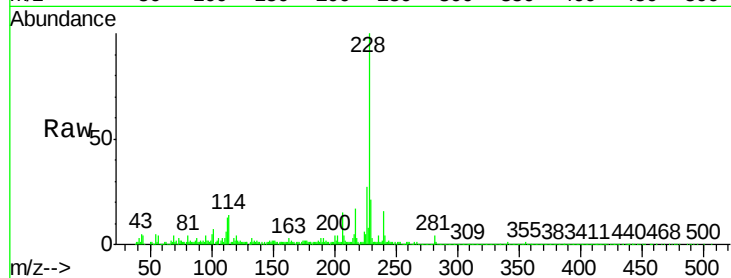
Tgt Ion:228 Resp: 510908

Ion Ratio Lower Upper

228 100

229 21.3 15.7 23.5

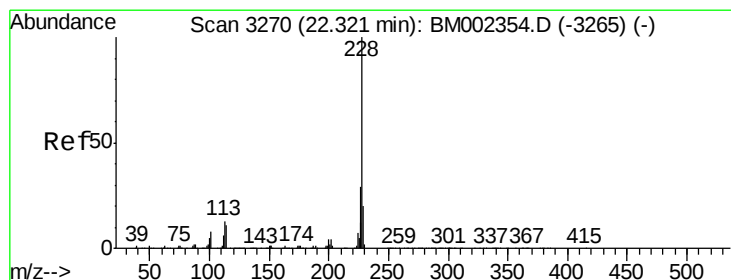
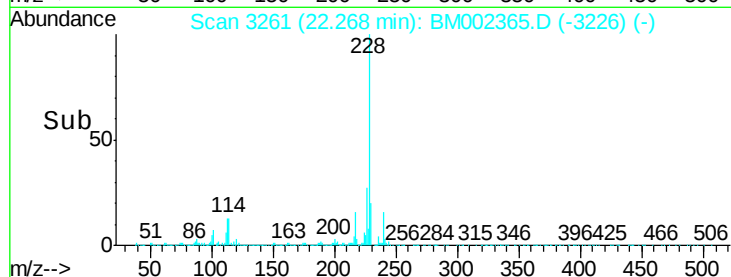
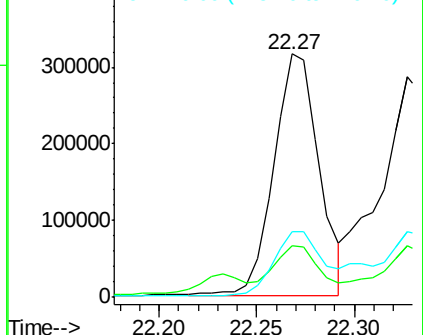
226 27.2 21.4 32.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#21

Chrysene

Concen: 13.24 ng/ul

RT: 22.33 min Scan# 3271

Delta R.T. 0.01 min

Lab File: BM002365.D

Acq: 12 Aug 2015 17:42

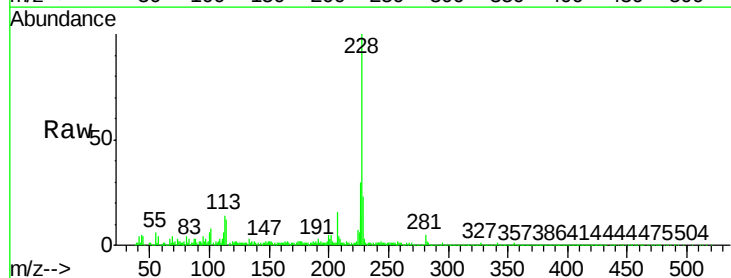
Tgt Ion:228 Resp: 518715

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

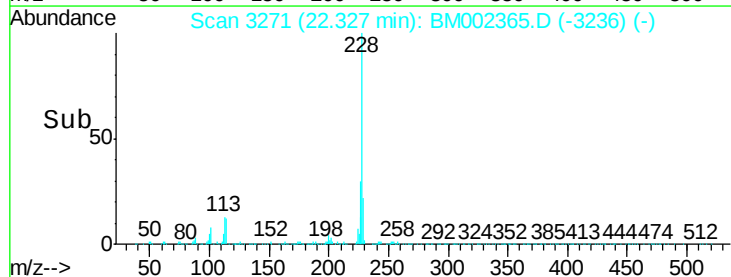
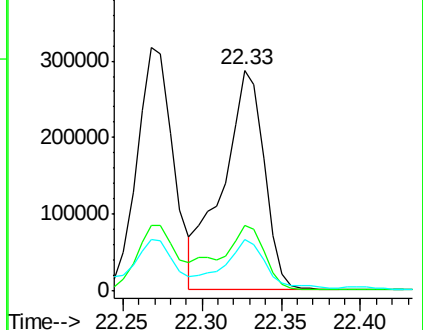
229 23.1 15.5 23.3

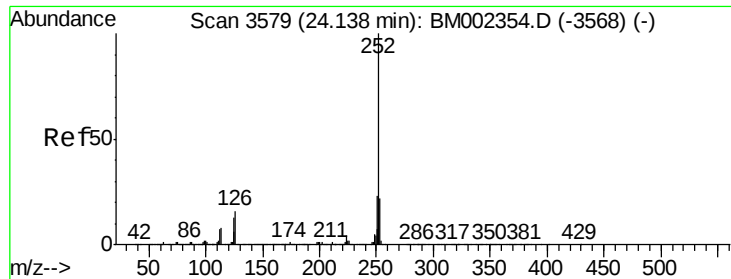


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 19.85 ng/ul

RT: 24.16 min Scan# 3582

Delta R.T. 0.02 min

Lab File: BM002365.D

Acq: 12 Aug 2015 17:42

Instrument :

BNA_M

ClientSampleId :

D9C97

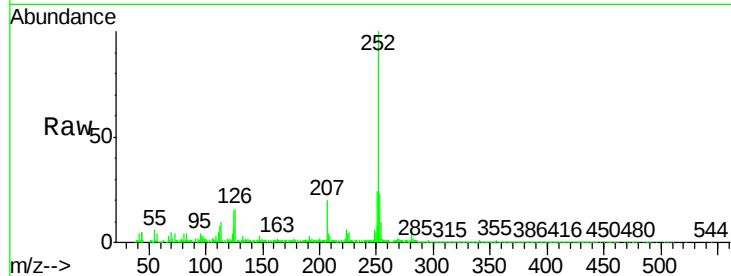
Tgt Ion:252 Resp: 814797

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

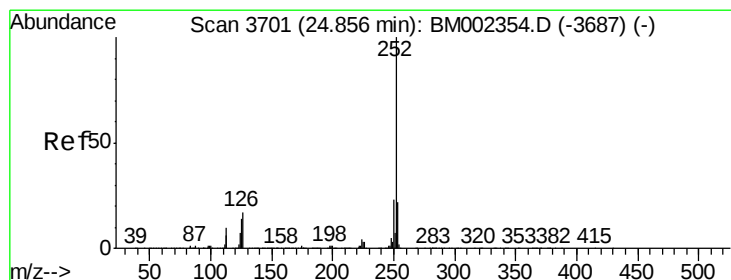
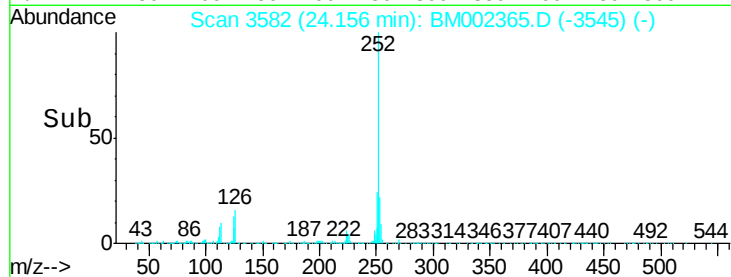
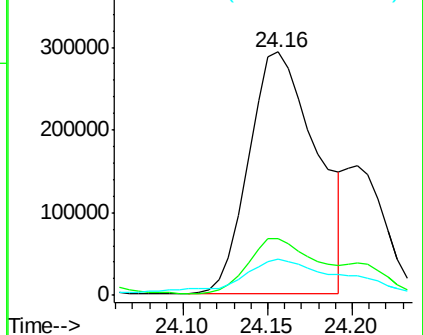
125 15.0 10.3 15.5



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

Benzo(a)pyrene

Concen: 12.30 ng/ul

RT: 24.87 min Scan# 3703

Delta R.T. 0.01 min

Lab File: BM002365.D

Acq: 12 Aug 2015 17:42

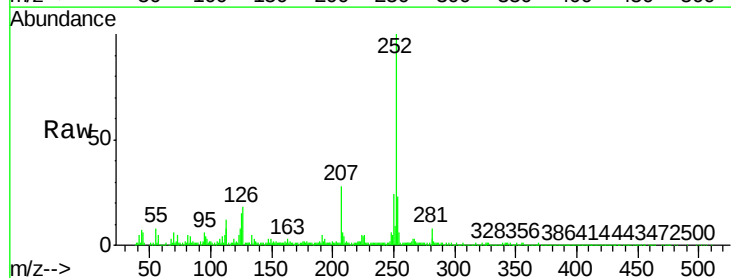
Tgt Ion:252 Resp: 483070

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

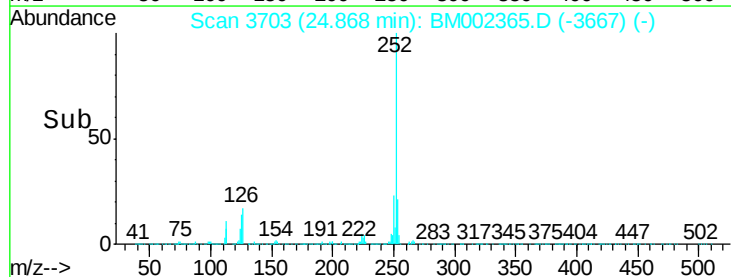
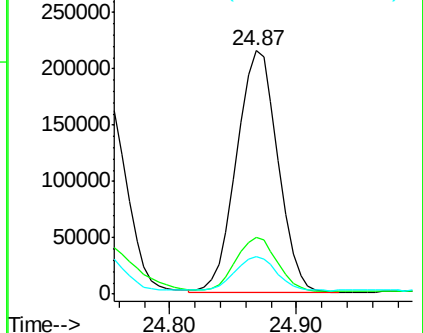
125 15.5 11.0 16.6

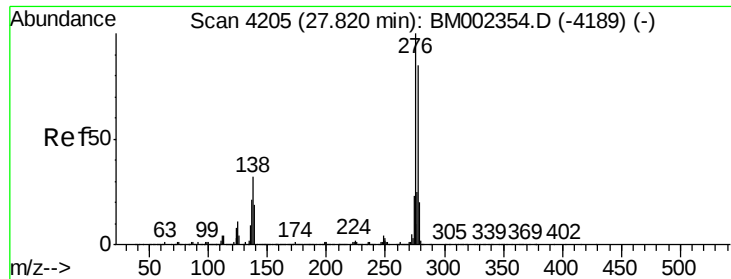


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Indeno(1,2,3-cd)pyrene

Concen: 7.42 ng/ul

RT: 27.84 min Scan# 4208

Delta R.T. 0.02 min

Lab File: BM002365.D

Acq: 12 Aug 2015 17:42

Instrument :

BNA_M

ClientSampleId :

D9C97

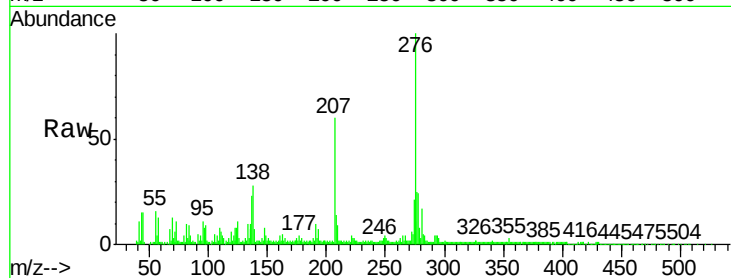
Tgt Ion:276 Resp: 333960

Ion Ratio Lower Upper

276 100

138 27.6 25.6 38.4

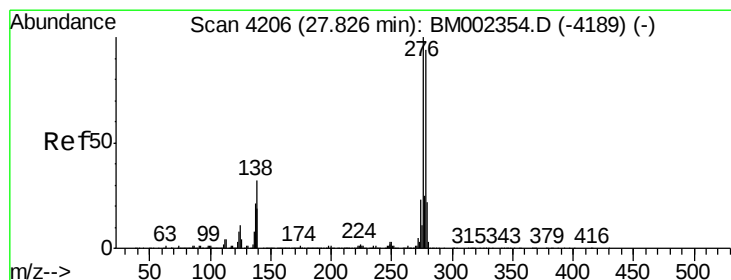
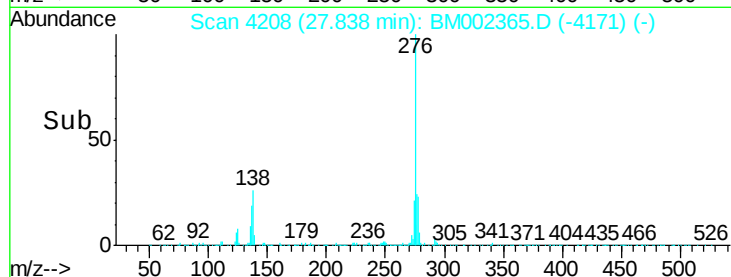
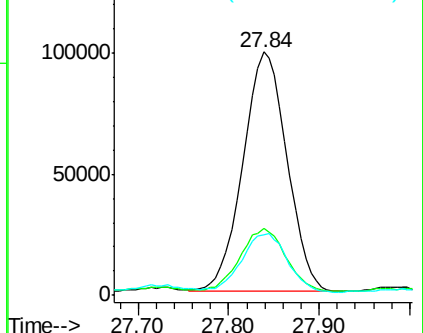
277 25.1 21.0 31.4



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

Dibenzo(a,h)anthracene

Concen: 2.64 ng/ul

RT: 27.84 min Scan# 4209

Delta R.T. 0.02 min

Lab File: BM002365.D

Acq: 12 Aug 2015 17:42

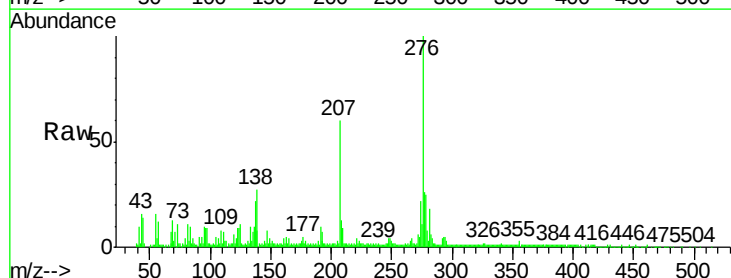
Tgt Ion:278 Resp: 100820

Ion Ratio Lower Upper

278 100

139 32.3 16.4 24.6#

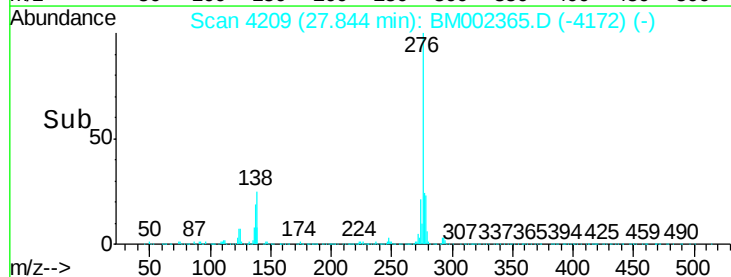
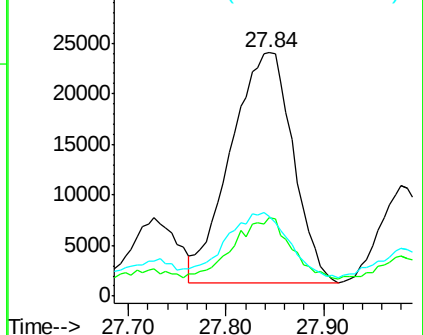
279 32.5 18.8 28.2#

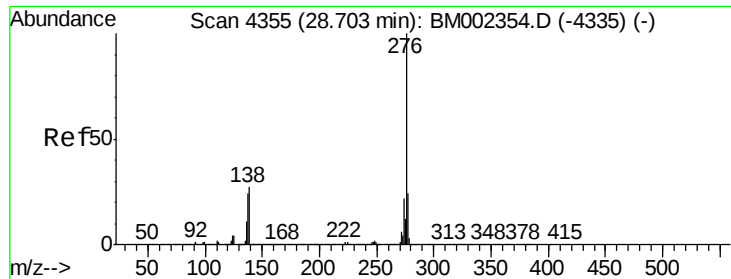


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#29

Benzo(g,h,i)perylene

Concen: 7.50 ng/ul

RT: 28.73 min Scan# 4360

Delta R.T. 0.03 min

Lab File: BM002365.D

Acq: 12 Aug 2015 17:42

Instrument :

BNA_M

ClientSampleId :

D9C97

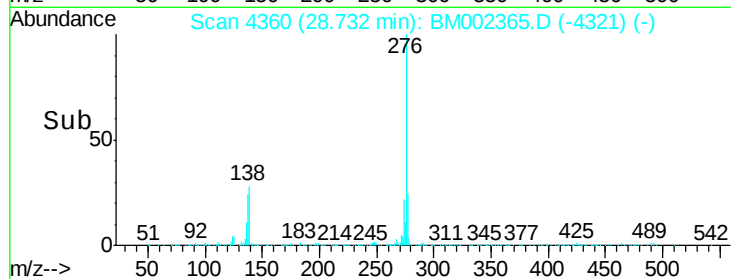
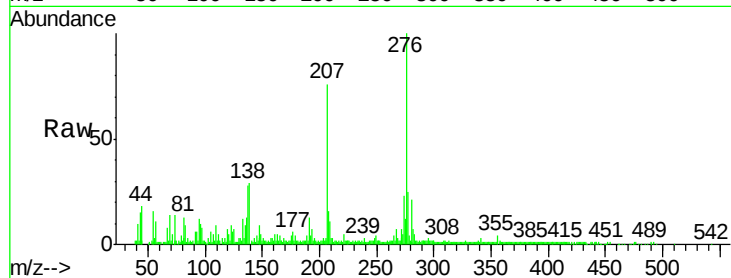
Tgt Ion: 276 Resp: 284777

Ion Ratio Lower Upper

276 100

138 29.2 20.5 30.7

277 25.1 19.0 28.6



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

