

Data Path : Z:\HPCHEM1\BNA_M\Data\BM090215\
 Data File : BM002641.D
 Acq On : 02 Sep 2015 13:05
 Operator : UM/IZ
 Sample : G3456-21DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9EA6DL

Quant Time: Sep 02 17:46:17 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 02 17:21:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	88310	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	405097	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	206724	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	379921	20.00	ng/ul	0.00
17) Chrysene-d12	22.17	240	290365	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	294242	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	73164	3.46	ng/ul	0.00
10) Fluorene-d10	16.34	176	50930	3.43	ng/ul	0.00
14) Anthracene-d10	18.18	188	67966	3.71	ng/ul	0.00
18) Pyrene-d10	20.40	212	55117	4.28	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.63	264	51820	3.35	ng/ul	0.00

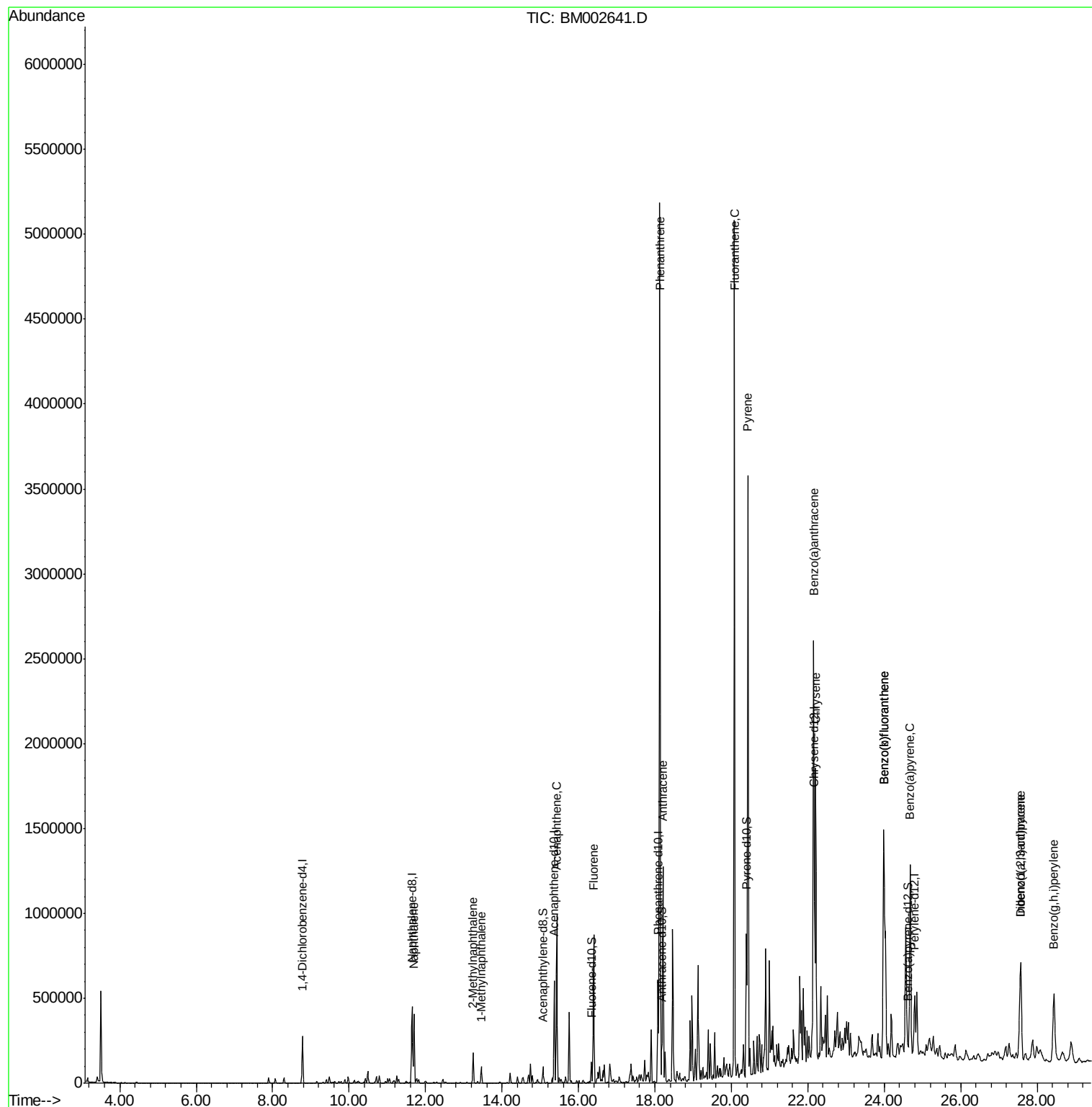
Target Compounds				Qvalue		
3) Naphthalene	11.69	128	381224	18.44	ng/ul	99
4) 2-Methylnaphthalene	13.24	142	94587	6.11	ng/ul	99
5) 1-Methylnaphthalene	13.46	142	49554	3.23	ng/ul	98
9) Acenaphthene	15.43	153	423932	29.09	ng/ul	99
11) Fluorene	16.40	166	421051	25.22	ng/ul	100
13) Phenanthrene	18.13	178	3238169	147.60	ng/ul	99
15) Anthracene	18.22	178	865728	38.94	ng/ul	99
16) Fluoranthene	20.08	202	3121969	125.69	ng/ul	96
19) Pyrene	20.43	202	2236570	131.48	ng/ul	97
20) Benzo(a)anthracene	22.15	228	1229625	70.82	ng/ul	99
21) Chrysene	22.21	228	1034656	63.71	ng/ul	98
23) Benzo(b)fluoranthene	23.99	252	1382018	77.69	ng/ul	98
24) Benzo(k)fluoranthene	23.99	252	339438	20.14	ng/ul	98
26) Benzo(a)pyrene	24.68	252	920968	54.20	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.57	276	637994	32.65	ng/ul	94
28) Dibenzo(a,h)anthracene	27.57	278	172955	10.59	ng/ul#	76
29) Benzo(g,h,i)perylene	28.44	276	509440	31.32	ng/ul	97

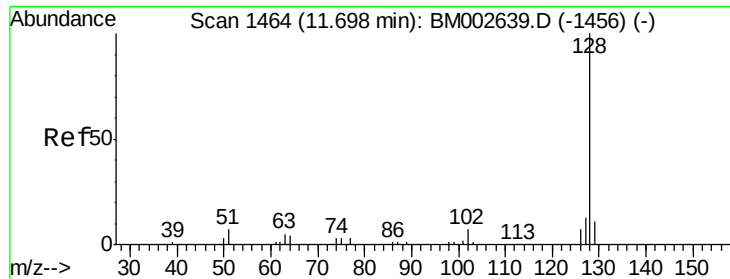
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 18.44 ng/ul

RT: 11.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BM002641.D

Acq: 02 Sep 2015 13:05

Instrument :

BNA_M

ClientSampleId :

D9EA6DL

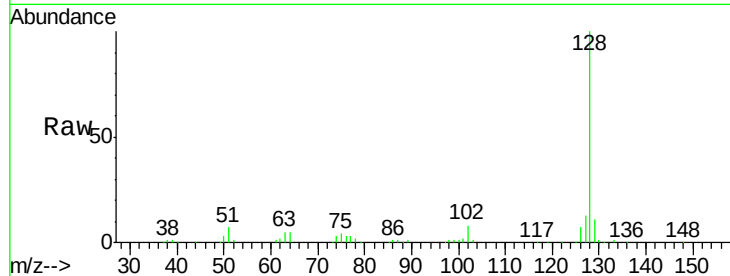
Tgt Ion:128 Resp: 381224

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

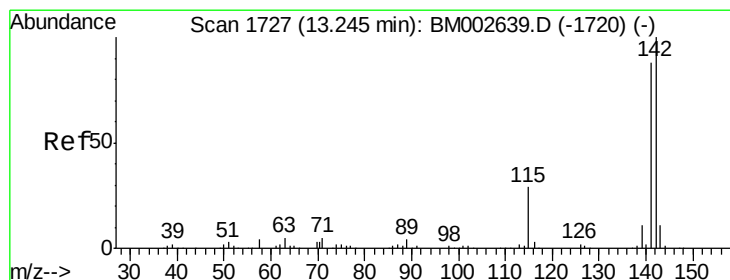
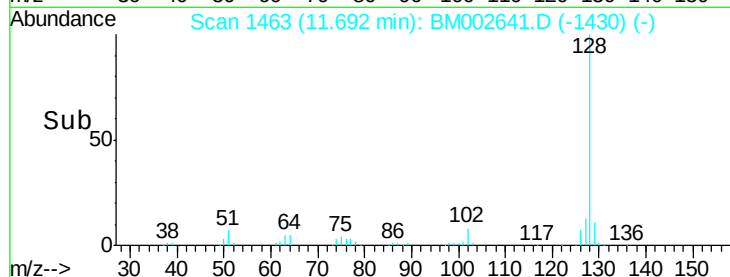
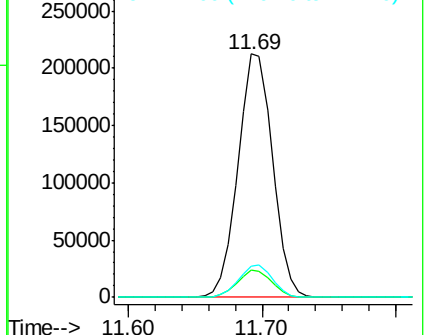
127 12.8 10.4 15.6



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: 6.11 ng/ul

RT: 13.24 min Scan# 1727

Delta R.T. -0.00 min

Lab File: BM002641.D

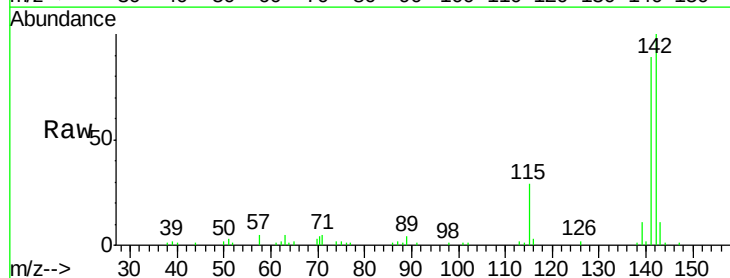
Acq: 02 Sep 2015 13:05

Tgt Ion:142 Resp: 94587

Ion Ratio Lower Upper

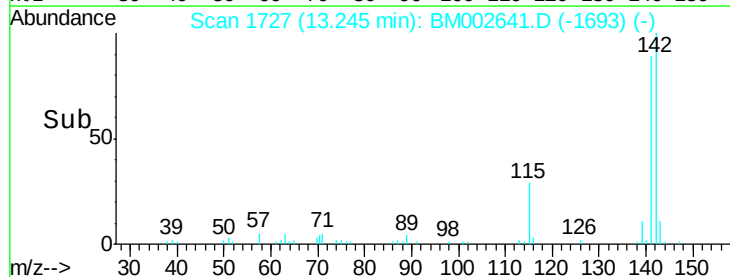
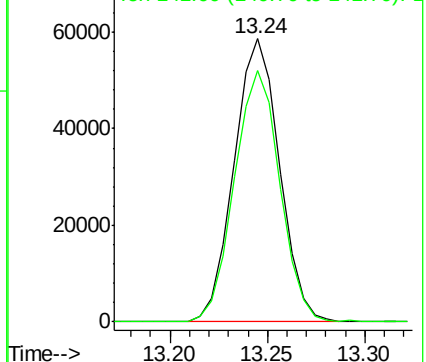
142 100

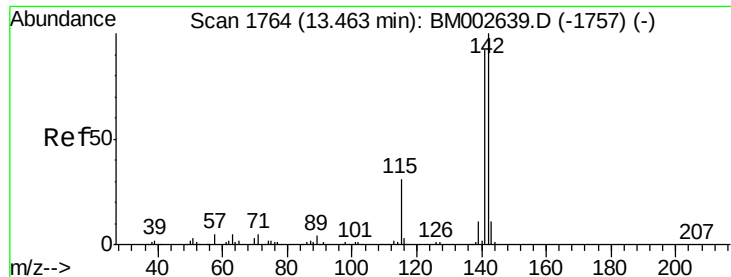
141 89.0 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

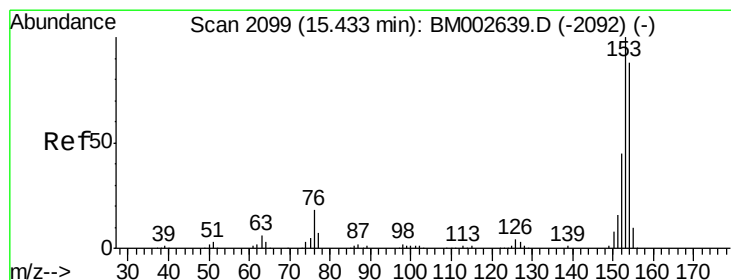
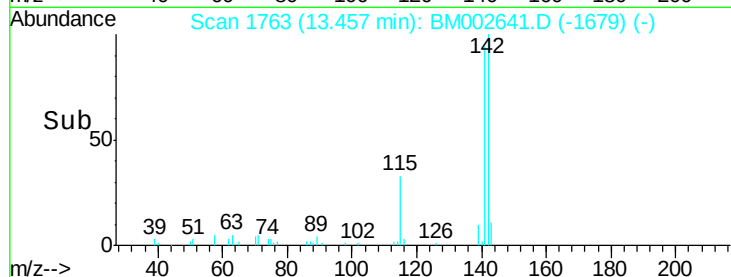
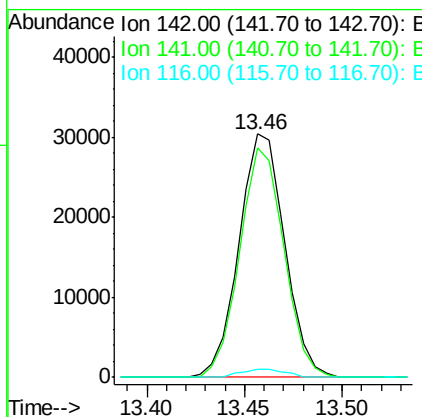
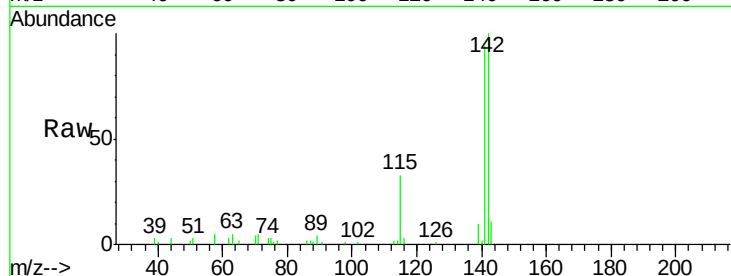




#5
1-Methylnaphthalene
Concen: 3.23 ng/ul
RT: 13.46 min Scan# 1763
Delta R.T. -0.01 min
Lab File: BM002641.D
Acq: 02 Sep 2015 13:05

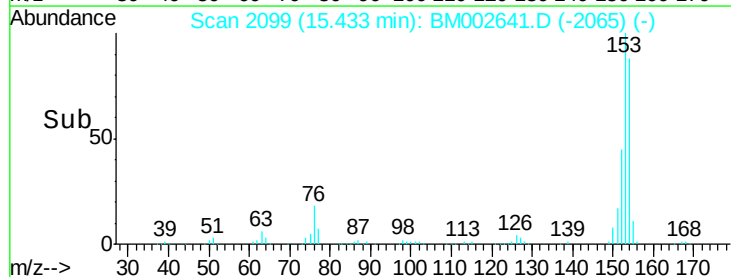
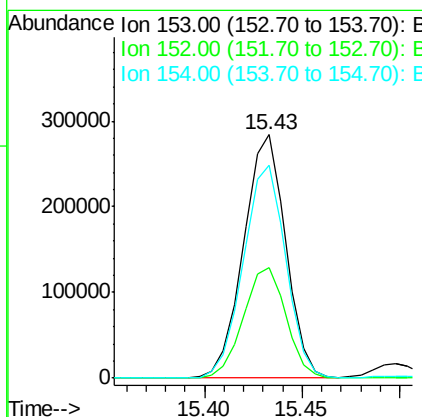
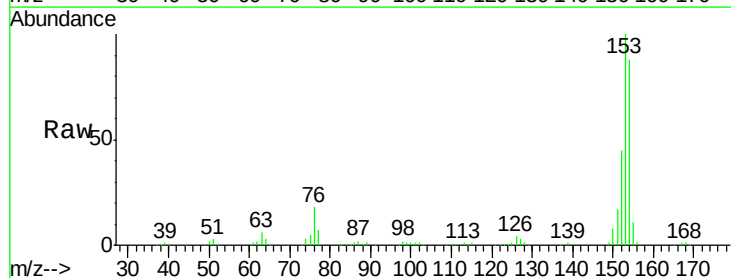
Instrument :
BNA_M
ClientSampleId :
D9EA6DL

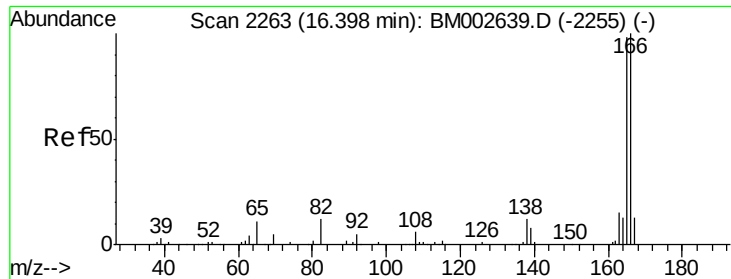
Tgt Ion:142 Resp: 49554
Ion Ratio Lower Upper
142 100
141 94.5 73.9 110.9
116 3.3 3.0 4.4



#9
Acenaphthene
Concen: 29.09 ng/ul
RT: 15.43 min Scan# 2099
Delta R.T. -0.00 min
Lab File: BM002641.D
Acq: 02 Sep 2015 13:05

Tgt Ion:153 Resp: 423932
Ion Ratio Lower Upper
153 100
152 45.3 36.9 55.3
154 87.6 71.3 106.9

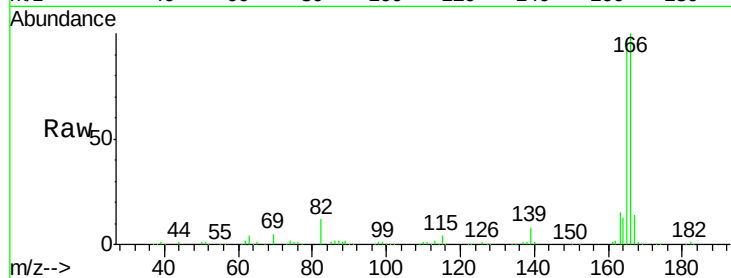




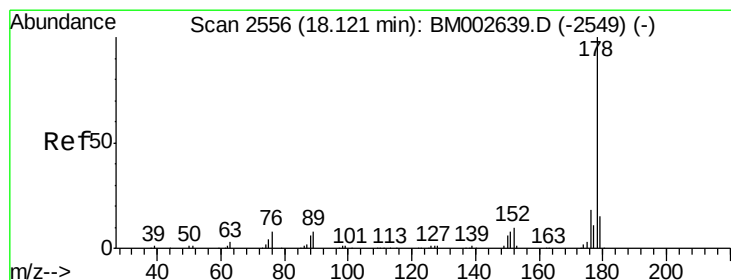
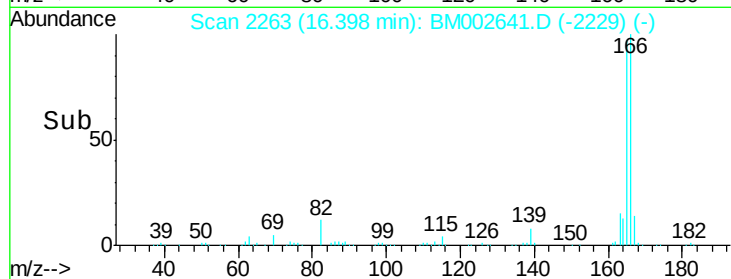
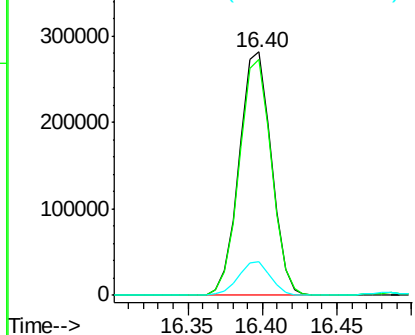
#11
 Fluorene
 Concen: 25.22 ng/ul
 RT: 16.40 min Scan# 2263
 Delta R.T. -0.00 min
 Lab File: BM002641.D
 Acq: 02 Sep 2015 13:05

Instrument :
 BNA_M
 ClientSampleId :
 D9EA6DL

Tgt Ion:166 Resp: 421051
 Ion Ratio Lower Upper
 166 100
 165 97.1 77.6 116.4
 167 13.7 10.7 16.1

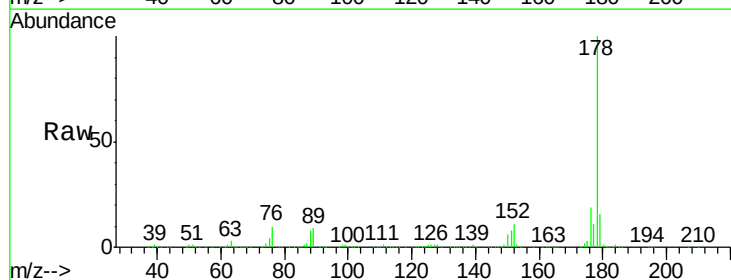


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

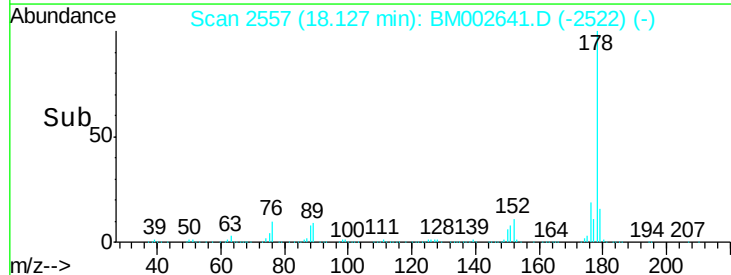
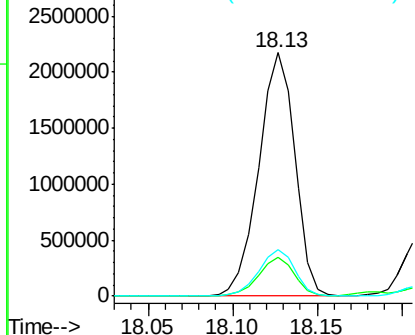


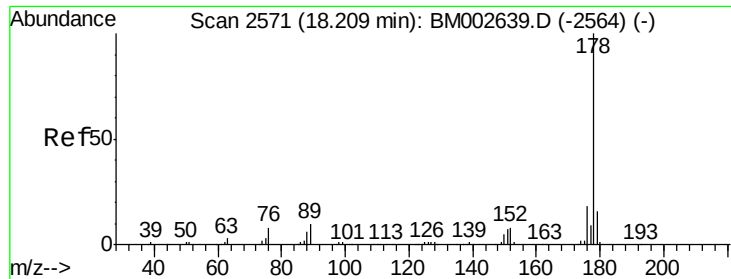
#13
 Phenanthrene
 Concen: 147.60 ng/ul
 RT: 18.13 min Scan# 2557
 Delta R.T. 0.01 min
 Lab File: BM002641.D
 Acq: 02 Sep 2015 13:05

Tgt Ion:178 Resp: 3238169
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.4 18.6
 176 19.3 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

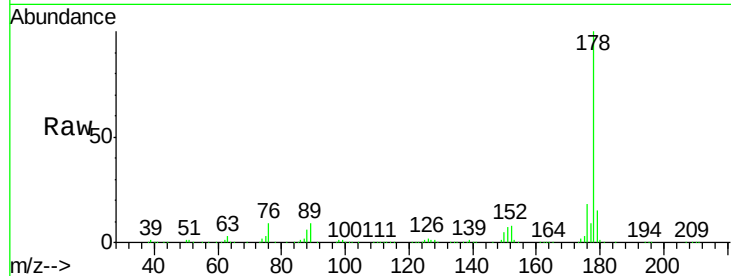




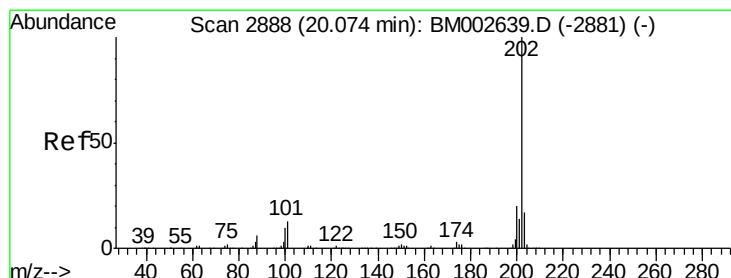
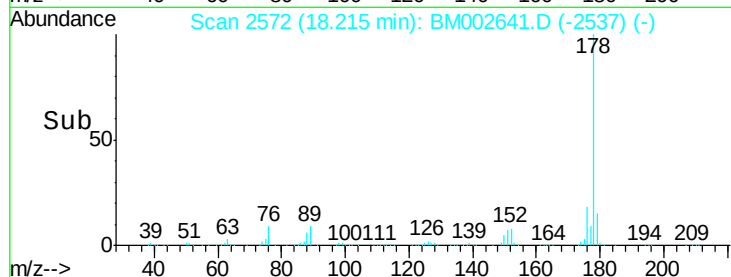
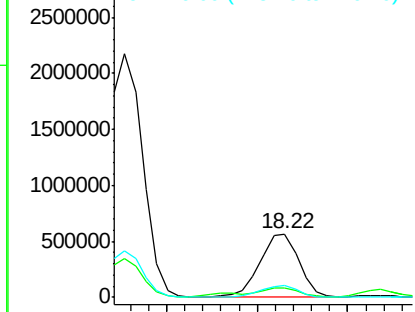
#15
 Anthracene
 Concen: 38.94 ng/ul
 RT: 18.22 min Scan# 2572
 Delta R.T. 0.01 min
 Lab File: BM002641.D
 Acq: 02 Sep 2015 13:05

Instrument :
 BNA_M
 ClientSampleId :
 D9EA6DL

Tgt Ion:178 Resp: 865728
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.6 18.8
 176 18.1 14.5 21.7

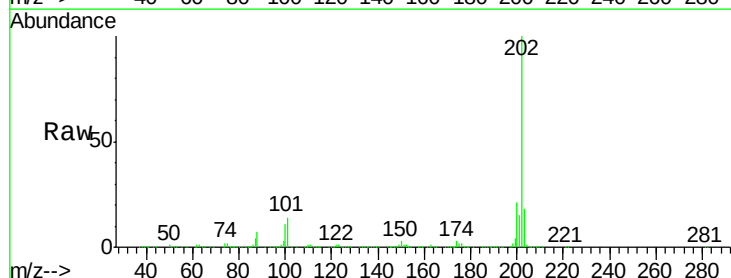


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

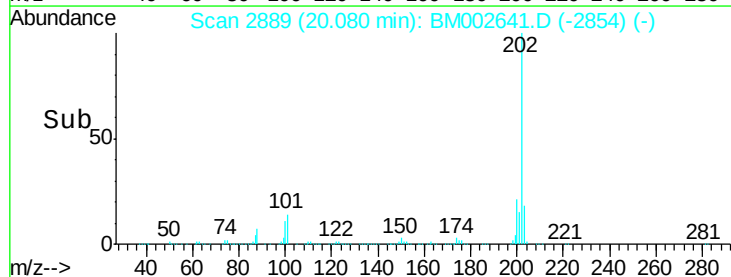
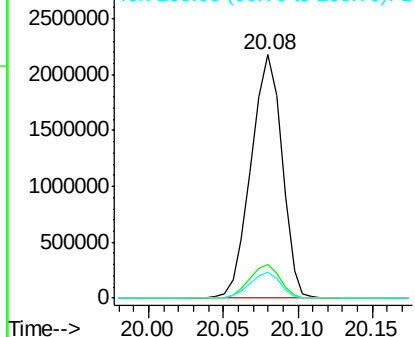


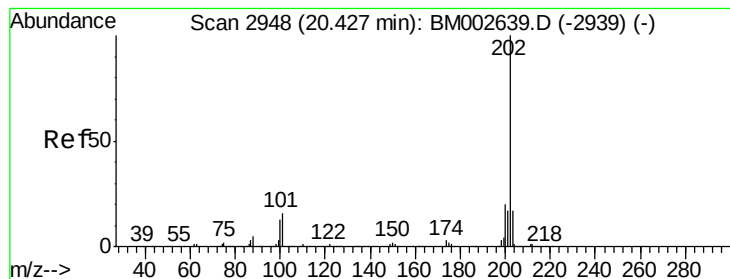
#16
 Fluoranthene
 Concen: 125.69 ng/ul
 RT: 20.08 min Scan# 2889
 Delta R.T. 0.01 min
 Lab File: BM002641.D
 Acq: 02 Sep 2015 13:05

Tgt Ion:202 Resp: 3121969
 Ion Ratio Lower Upper
 202 100
 101 14.1 9.7 14.5
 100 10.6 7.4 11.2



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: 131.48 ng/ul

RT: 20.43 min Scan# 2949

Delta R.T. 0.01 min

Lab File: BM002641.D

Acq: 02 Sep 2015 13:05

Instrument :

BNA_M

ClientSampleId :

D9EA6DL

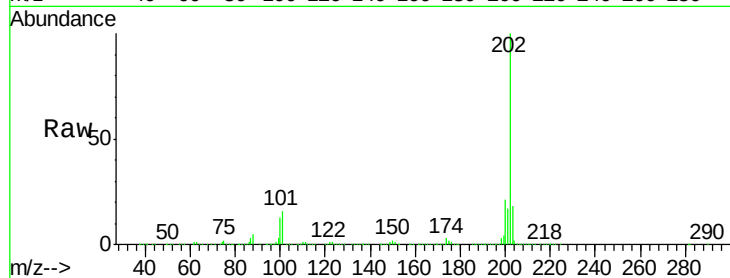
Tgt Ion:202 Resp: 2236570

Ion Ratio Lower Upper

202 100

101 16.5 12.0 18.0

100 13.2 9.7 14.5



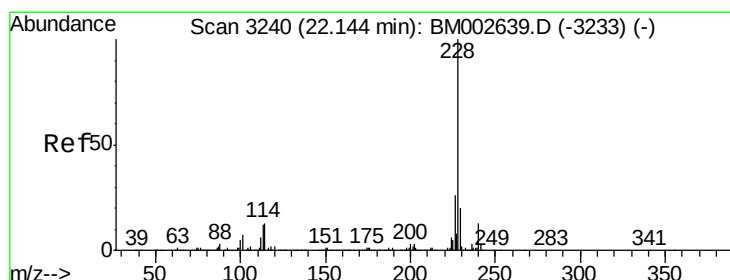
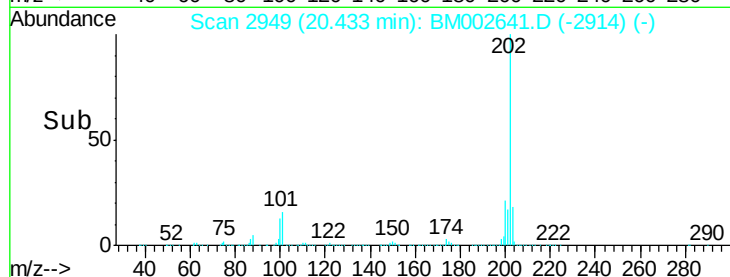
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

20.43

Time-->



#20

Benzo(a)anthracene

Concen: 70.82 ng/ul

RT: 22.15 min Scan# 3241

Delta R.T. 0.01 min

Lab File: BM002641.D

Acq: 02 Sep 2015 13:05

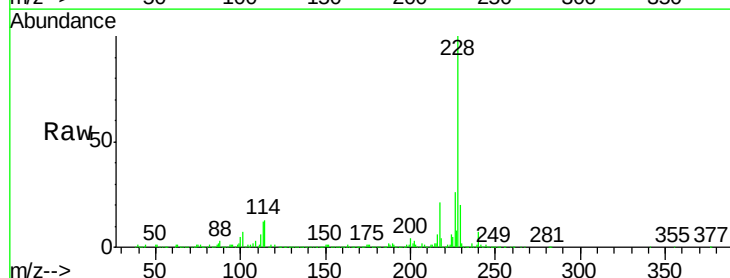
Tgt Ion:228 Resp: 1229625

Ion Ratio Lower Upper

228 100

229 20.1 15.8 23.6

226 26.1 21.1 31.7



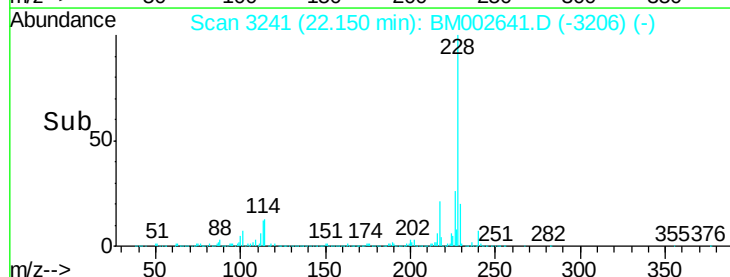
Abundance Ion 228.00 (227.70 to 228.70): E

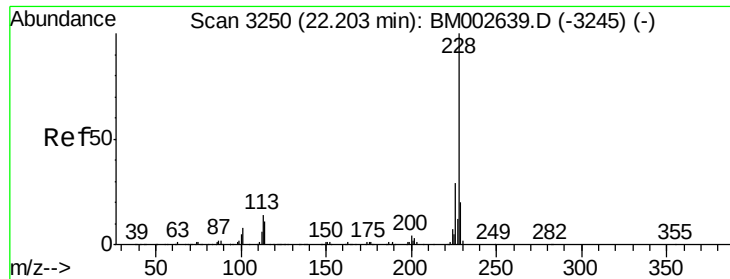
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

22.15

Time-->





#21

Chrysene

Concen: 63.71 ng/ul

RT: 22.21 min Scan# 3251

Delta R.T. 0.01 min

Lab File: BM002641.D

Acq: 02 Sep 2015 13:05

Instrument :

BNA_M

ClientSampleId :

D9EA6DL

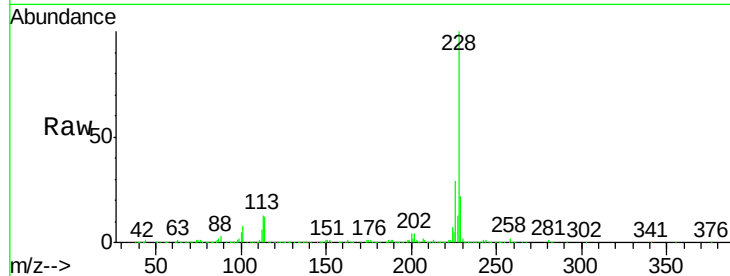
Tgt Ion:228 Resp: 1034656

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.2

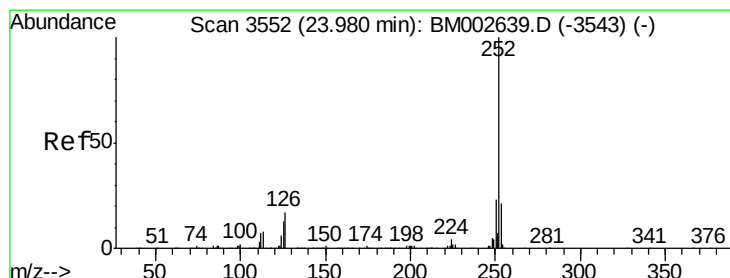
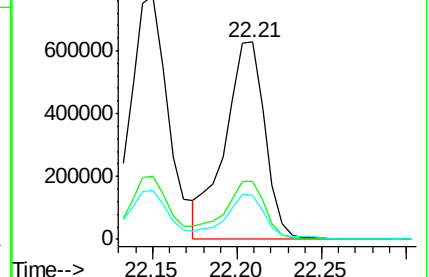
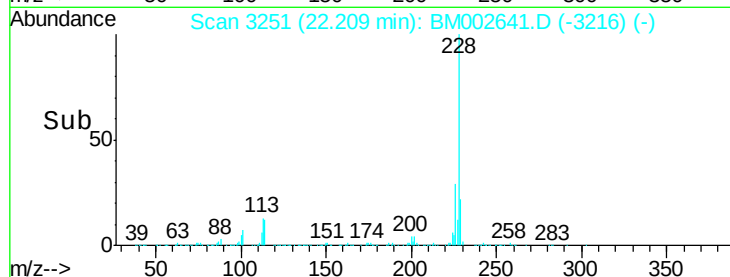
229 22.3 15.7 23.5



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: 77.69 ng/ul

RT: 23.99 min Scan# 3553

Delta R.T. 0.01 min

Lab File: BM002641.D

Acq: 02 Sep 2015 13:05

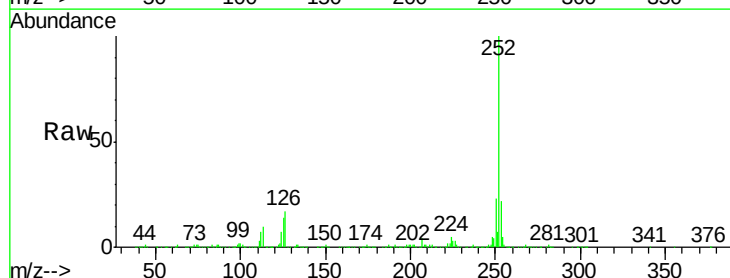
Tgt Ion:252 Resp: 1382018

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

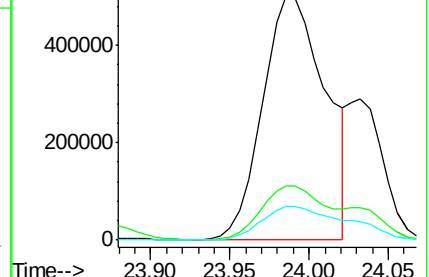
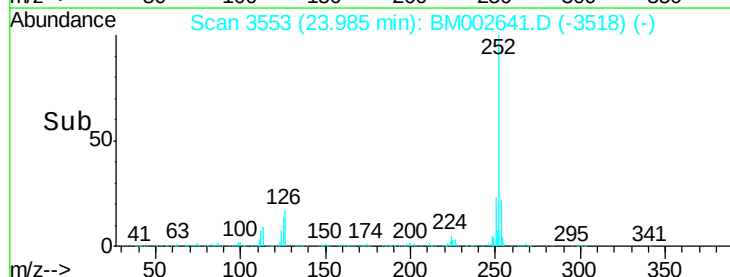
125 14.0 10.0 15.0

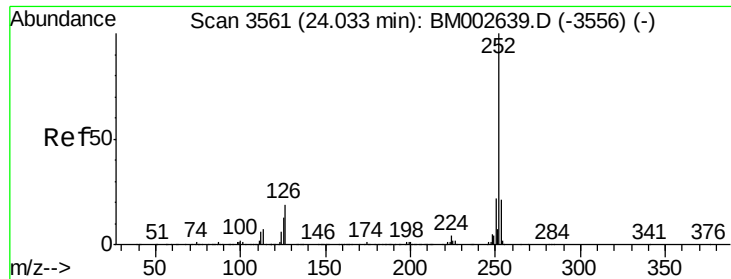


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 20.14 ng/ul

RT: 23.99 min Scan# 3553

Delta R.T. -0.05 min

Lab File: BM002641.D

Acq: 02 Sep 2015 13:05

Instrument :

BNA_M

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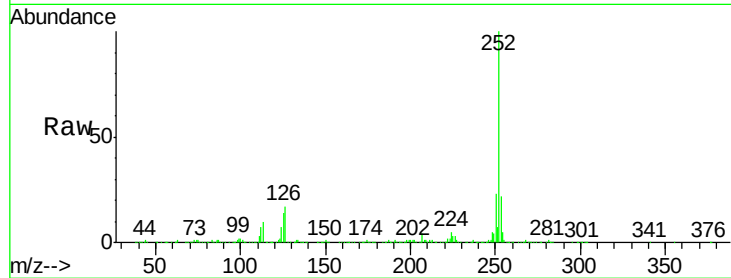
Tgt Ion:252 Resp: 339438

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

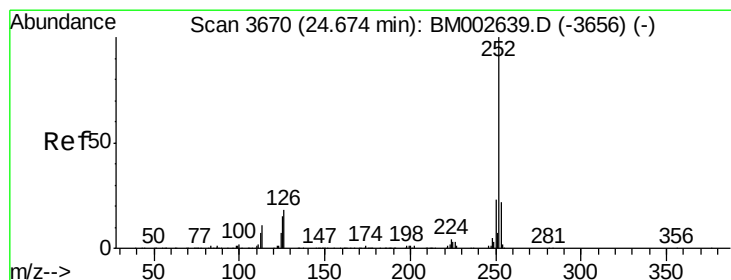
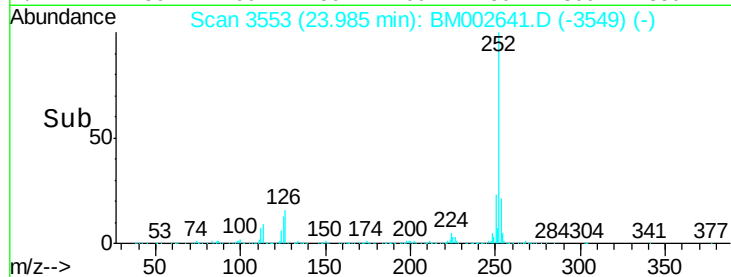
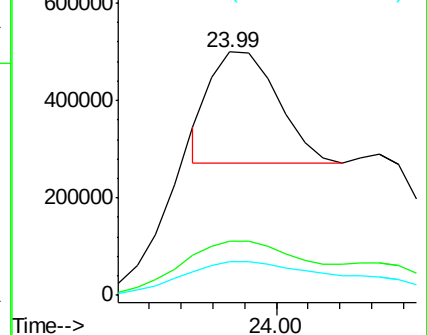
125 14.0 9.8 14.8



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



#26

Benzo(a)pyrene

Concen: 54.20 ng/ul

RT: 24.68 min Scan# 3671

Delta R.T. 0.01 min

Lab File: BM002641.D

Acq: 02 Sep 2015 13:05

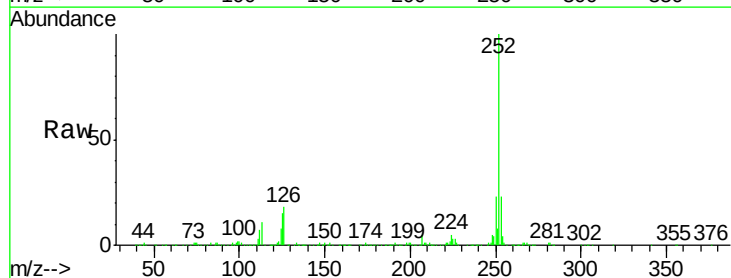
Tgt Ion:252 Resp: 920968

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

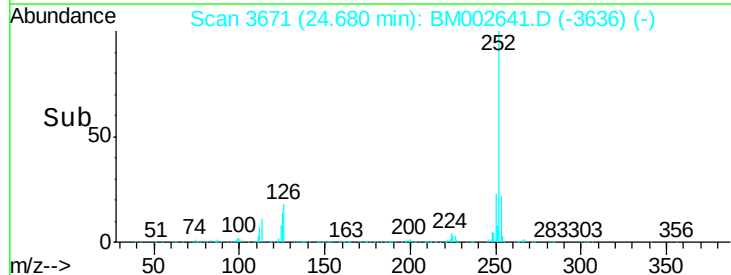
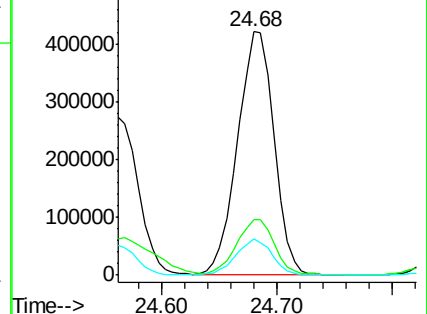
125 14.7 10.7 16.1

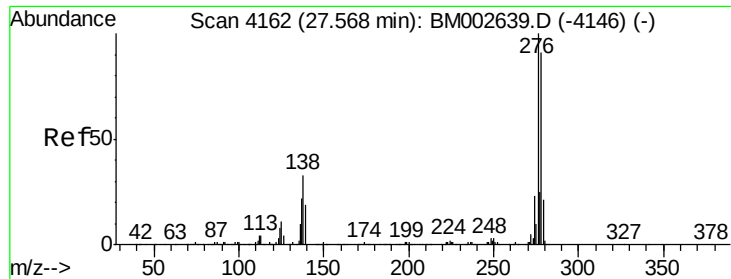


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

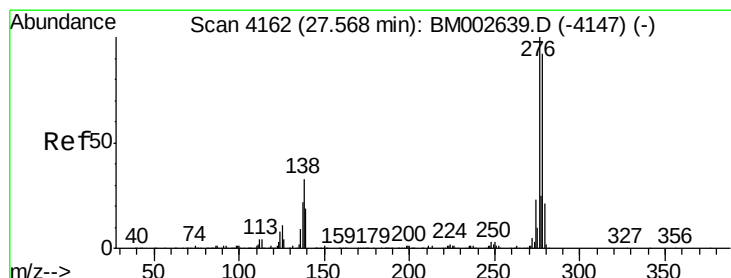
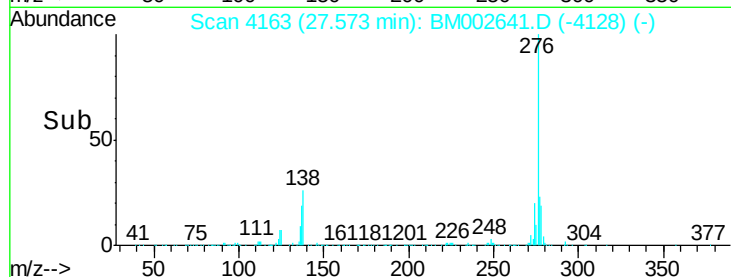
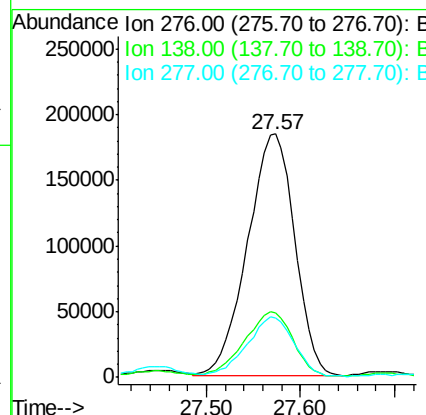
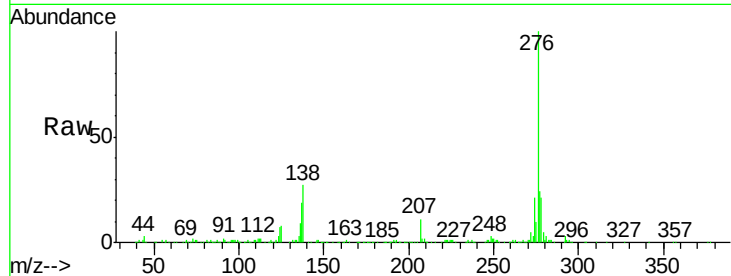




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 32.65 ng/ul
 RT: 27.57 min Scan# 4163
 Delta R.T. 0.01 min
 Lab File: BM002641.D
 Acq: 02 Sep 2015 13:05

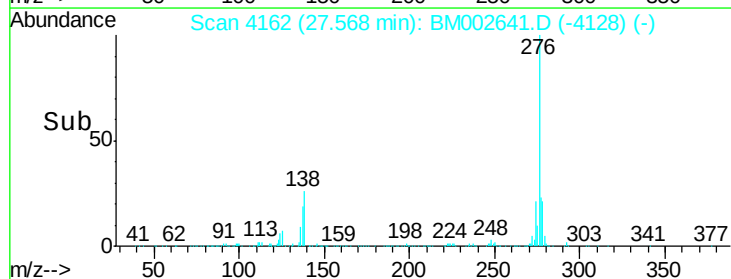
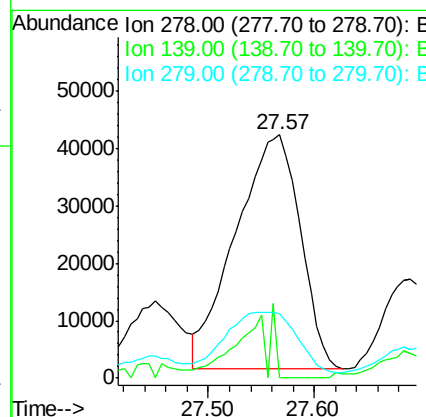
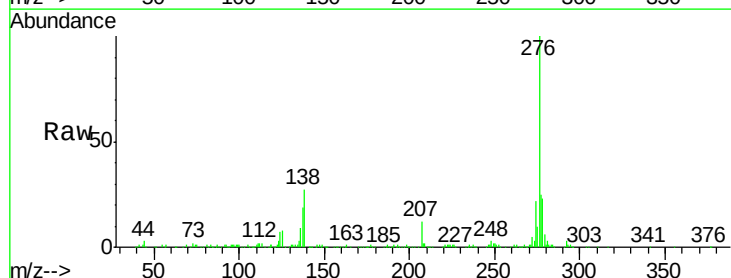
Instrument :
 BNA_M
 ClientSampleId :
 D9EA6DL

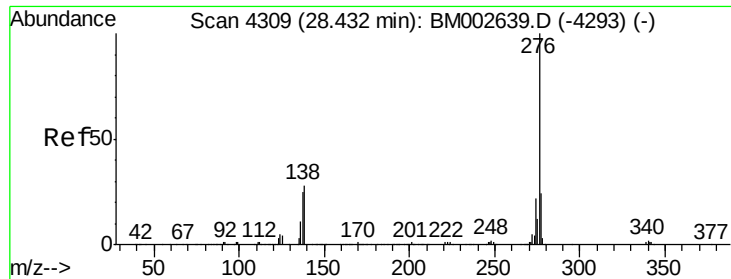
Tgt Ion:276 Resp: 637994
 Ion Ratio Lower Upper
 276 100
 138 26.7 25.3 37.9
 277 24.2 20.2 30.2



#28
 Dibenzo(a,h)anthracene
 Concen: 10.59 ng/ul
 RT: 27.57 min Scan# 4162
 Delta R.T. -0.00 min
 Lab File: BM002641.D
 Acq: 02 Sep 2015 13:05

Tgt Ion:278 Resp: 172955
 Ion Ratio Lower Upper
 278 100
 139 0.0 16.5 24.7#
 279 26.4 18.8 28.2





#29

Benzo(g,h,i)perylene

Concen: 31.32 ng/ul

RT: 28.44 min Scan# 4310

Delta R.T. 0.01 min

Lab File: BM002641.D

Acq: 02 Sep 2015 13:05

Instrument :

BNA_M

ClientSampleId :

D9EA6DL

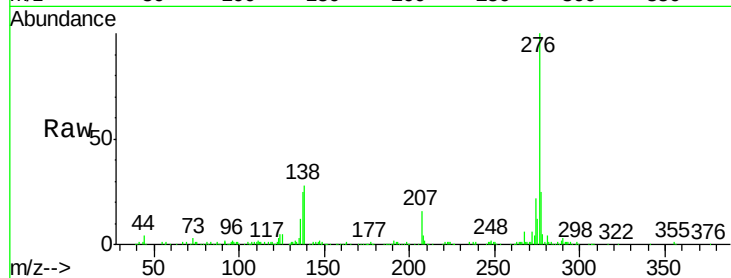
Tgt Ion: 276 Resp: 509440

Ion Ratio Lower Upper

276 100

138 28.1 21.0 31.6

277 25.0 19.2 28.8



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

