

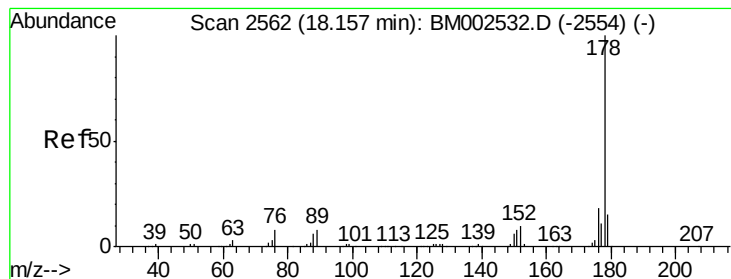
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082115\
 Data File : BM002541.D
 Acq On : 22 Aug 2015 03:31
 Operator : UM/IZ
 Sample : G3372-20
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DX0

Quant Time: Aug 22 04:59:26 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 21 23:16:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.82	152	134572	20.00	ng/ul	0.00
2) Naphthalene-d8	11.69	136	639795	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.40	164	350095	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.11	188	722813	20.00	ng/ul	0.00
17) Chrysene-d12	22.19	240	614487	20.00	ng/ul	0.00
22) Perylene-d12	24.84	264	466544	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.10	160	778793	21.76	ng/ul	0.00
10) Fluorene-d10	16.37	176	514749	20.47	ng/ul	0.00
14) Anthracene-d10	18.21	188	730671	20.96	ng/ul	0.00
18) Pyrene-d10	20.43	212	671374	24.65	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.66	264	407721	16.64	ng/ul	0.00
Target Compounds						
13) Phenanthrene	18.15	178	413785	9.91	ng/ul	Qvalue 100
16) Fluoranthene	20.10	202	773509	16.37	ng/ul	98
19) Pyrene	20.46	202	585534	16.27	ng/ul	99
20) Benzo(a)anthracene	22.17	228	205496	5.59	ng/ul	99
21) Chrysene	22.23	228	272630	7.93	ng/ul	98
23) Benzo(b)fluoranthene	24.02	252	311347	11.04	ng/ul	97
24) Benzo(k)fluoranthene	24.23	252	34125	1.28	ng/ul#	86
26) Benzo(a)pyrene	24.72	252	171869	6.38	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.62	276	139547	4.50	ng/ul	94
28) Dibenzo(a,h)anthracene	27.62	278	35988	1.39	ng/ul#	76
29) Benzo(g,h,i)perylene	28.49	276	128815	4.99	ng/ul	98

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



#13

Phenanthrene

Concen: 9.91 ng/ul

RT: 18.15 min Scan# 2561

Delta R.T. -0.01 min

Lab File: BM002541.D

Acq: 22 Aug 2015 03:31

Instrument :

BNA_M

ClientSampleId :

D9DX0

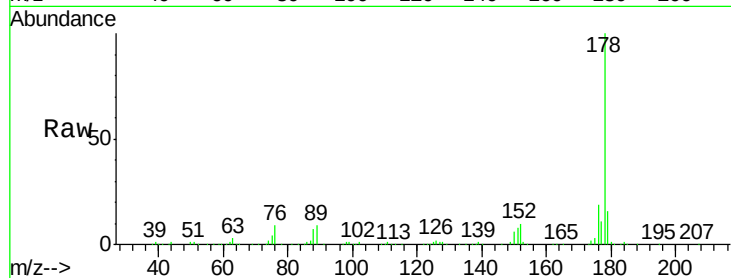
Tgt Ion:178 Resp: 413785

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

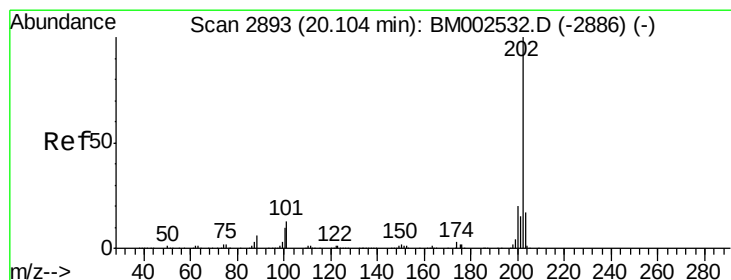
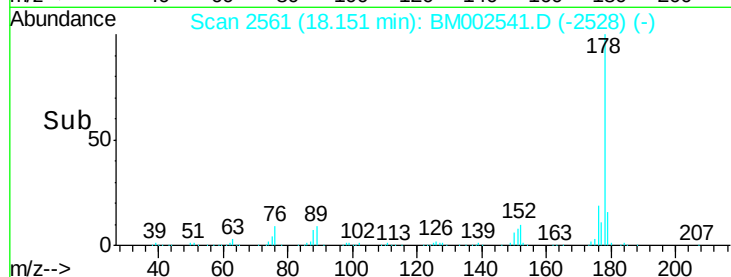
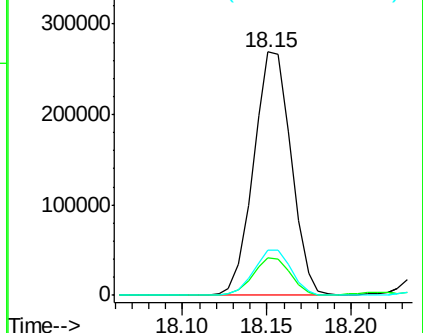
176 18.6 15.1 22.7



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



#16

Fluoranthene

Concen: 16.37 ng/ul

RT: 20.10 min Scan# 2893

Delta R.T. 0.00 min

Lab File: BM002541.D

Acq: 22 Aug 2015 03:31

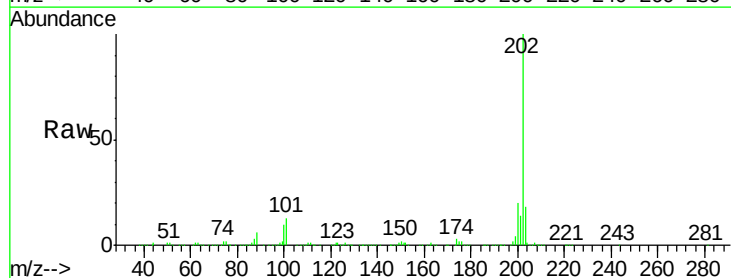
Tgt Ion:202 Resp: 773509

Ion Ratio Lower Upper

202 100

101 12.9 9.7 14.5

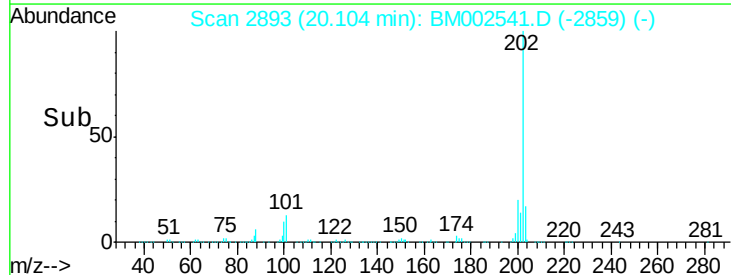
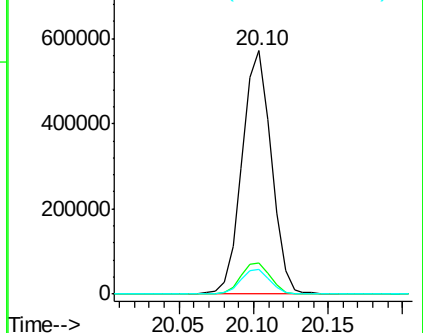
100 10.1 7.4 11.2

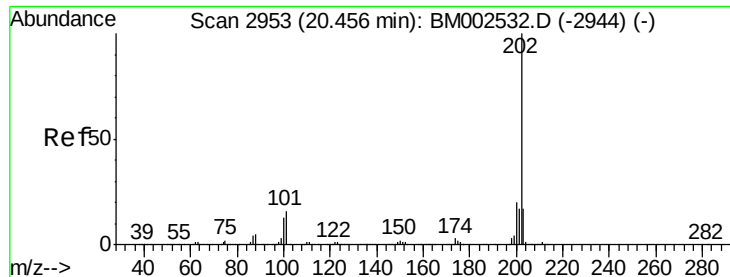


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pyrene

Concen: 16.27 ng/ul

RT: 20.46 min Scan# 2954

Delta R.T. 0.01 min

Lab File: BM002541.D

Acq: 22 Aug 2015 03:31

Instrument :

BNA_M

ClientSampled :

D9DX0

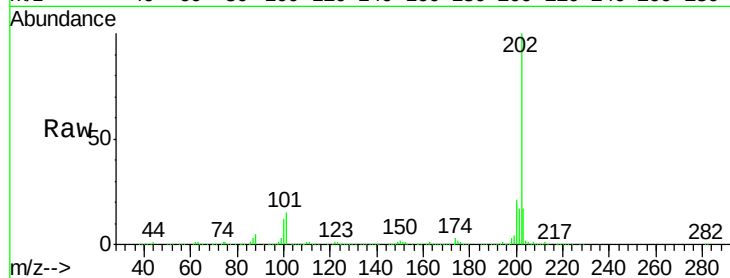
Tgt Ion:202 Resp: 585534

Ion Ratio Lower Upper

202 100

101 14.5 12.0 18.0

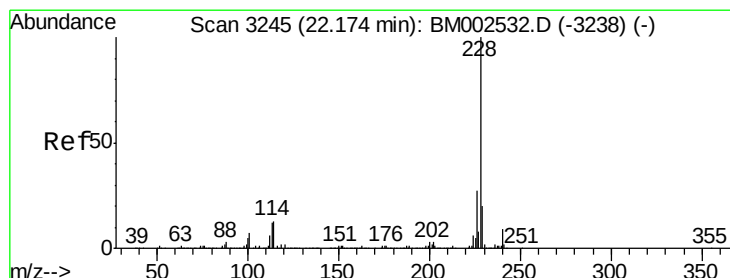
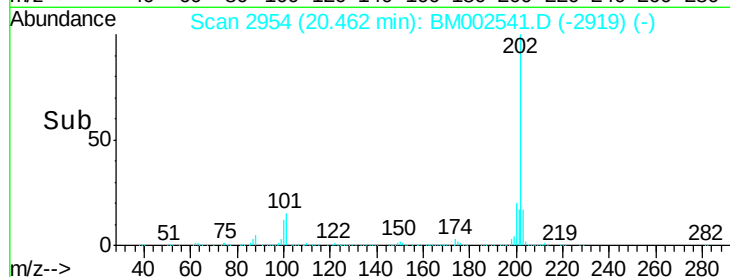
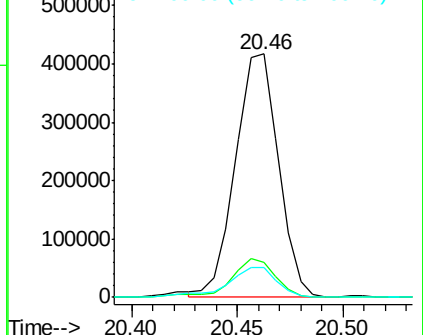
100 12.0 9.7 14.5



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): B



#20

Benzo(a)anthracene

Concen: 5.59 ng/ul

RT: 22.17 min Scan# 3245

Delta R.T. 0.00 min

Lab File: BM002541.D

Acq: 22 Aug 2015 03:31

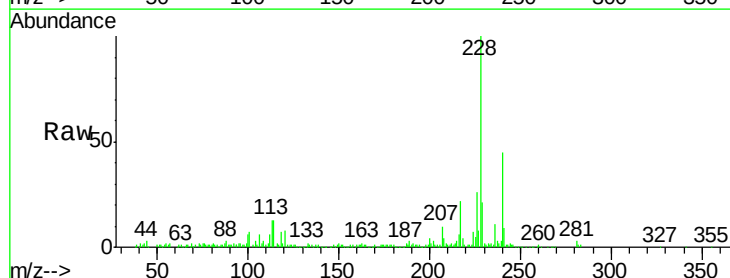
Tgt Ion:228 Resp: 205496

Ion Ratio Lower Upper

228 100

229 20.6 15.8 23.6

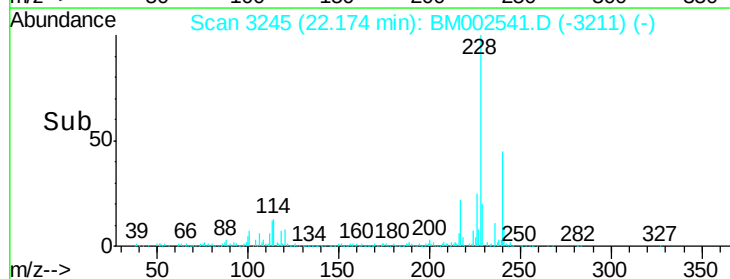
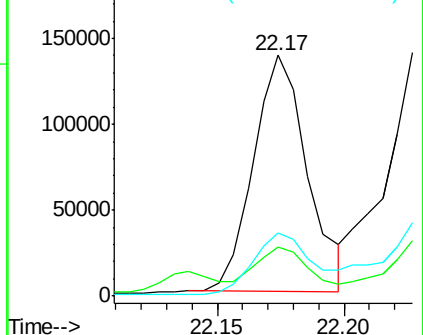
226 26.0 21.1 31.7

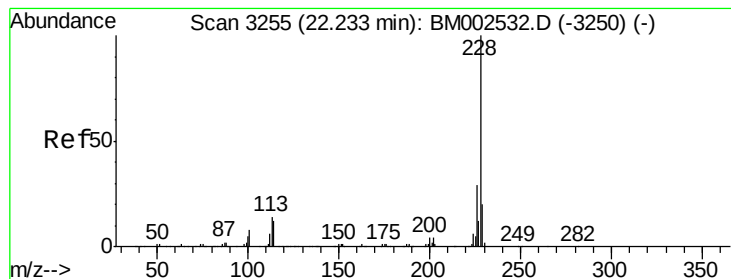


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 7.93 ng/ul

RT: 22.23 min Scan# 3255

Delta R.T. 0.00 min

Lab File: BM002541.D

Acq: 22 Aug 2015 03:31

Instrument :

BNA_M

ClientSampleId :

D9DX0

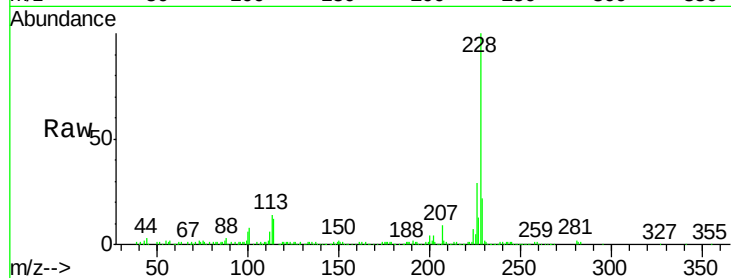
Tgt Ion:228 Resp: 272630

Ion Ratio Lower Upper

228 100

226 29.5 23.4 35.2

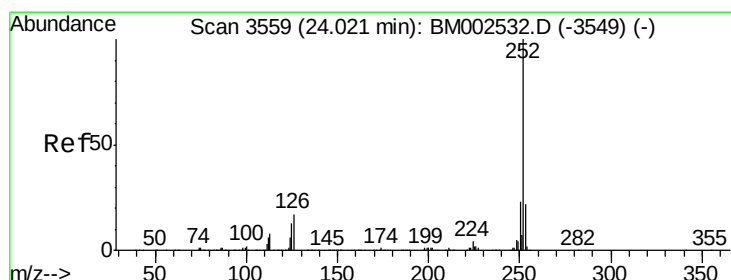
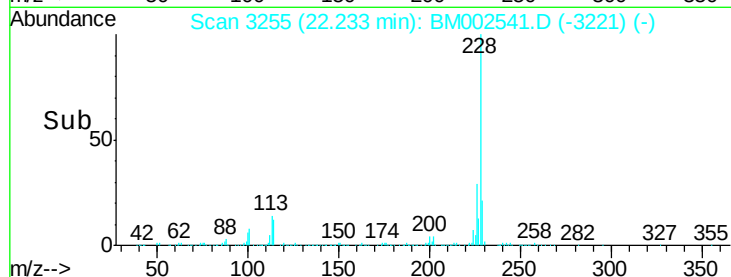
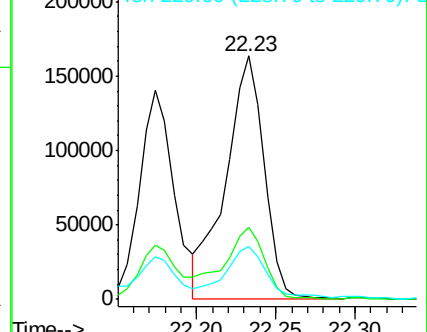
229 22.0 15.7 23.5



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: 11.04 ng/ul

RT: 24.02 min Scan# 3559

Delta R.T. 0.00 min

Lab File: BM002541.D

Acq: 22 Aug 2015 03:31

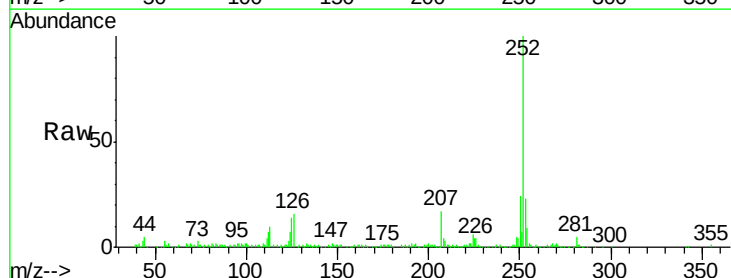
Tgt Ion:252 Resp: 311347

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

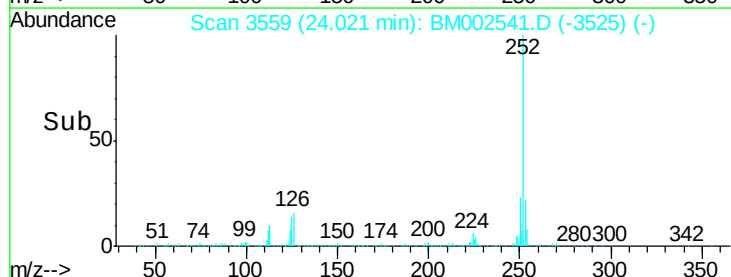
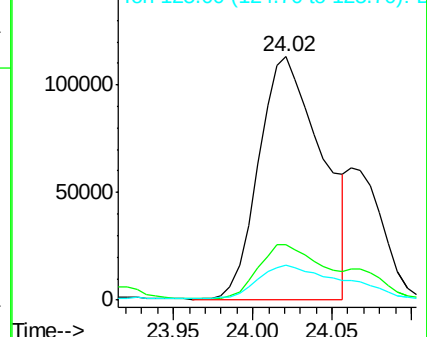
125 14.5 10.0 15.0

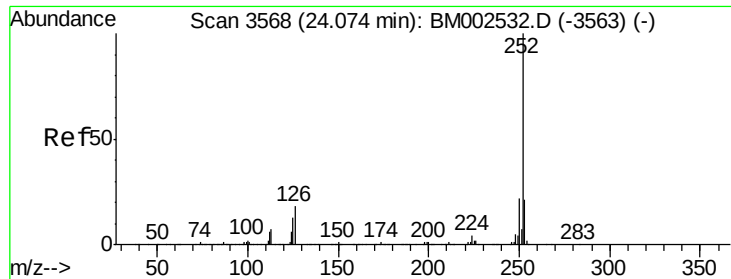


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 1.28 ng/ul

RT: 24.23 min Scan# 3594

Delta R.T. 0.15 min

Lab File: BM002541.D

Acq: 22 Aug 2015 03:31

Instrument :

BNA_M

ClientSampleId :

D9DX0

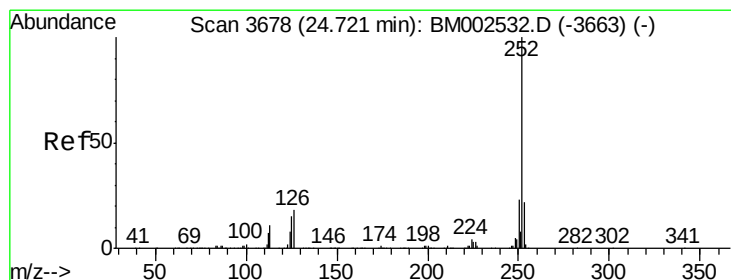
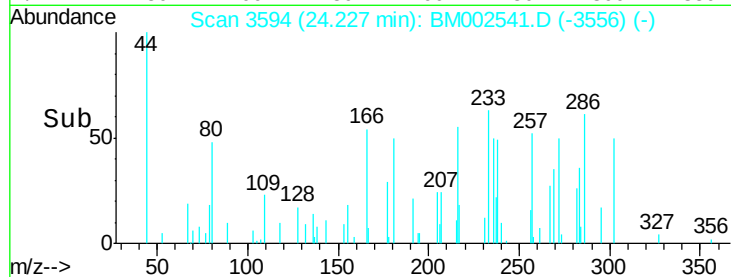
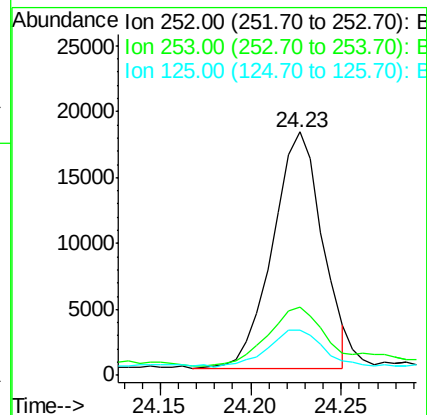
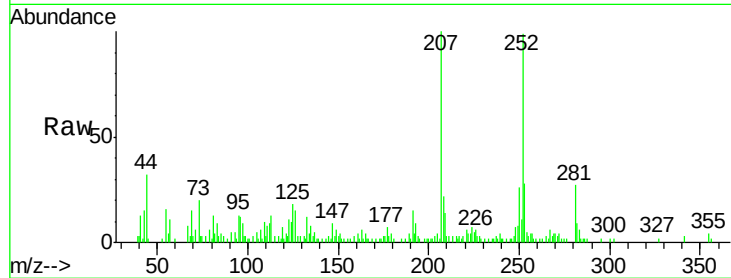
Tgt Ion:252 Resp: 34125

Ion Ratio Lower Upper

252 100

253 28.2 17.8 26.6#

125 18.5 9.8 14.8#



#26

Benzo(a)pyrene

Concen: 6.38 ng/ul

RT: 24.72 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BM002541.D

Acq: 22 Aug 2015 03:31

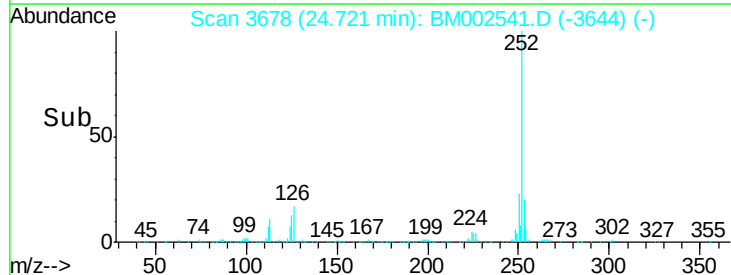
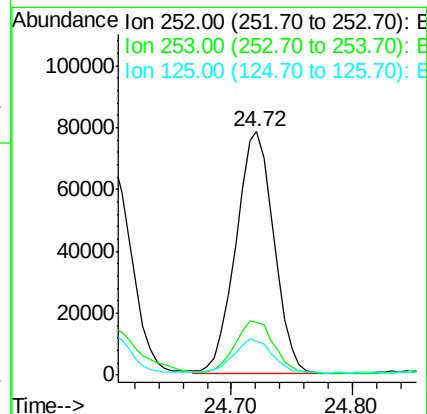
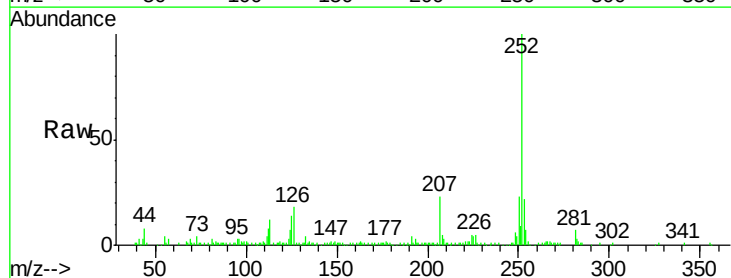
Tgt Ion:252 Resp: 171869

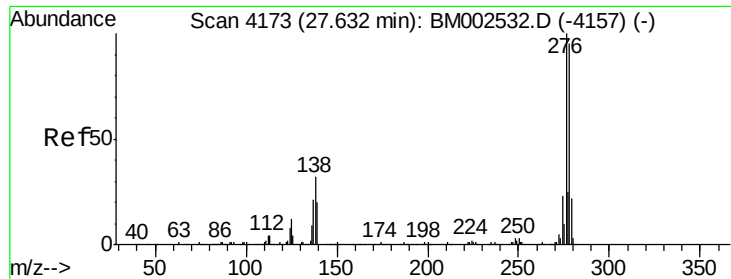
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 14.1 10.7 16.1

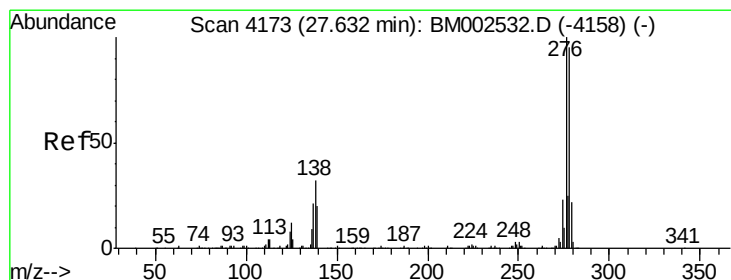
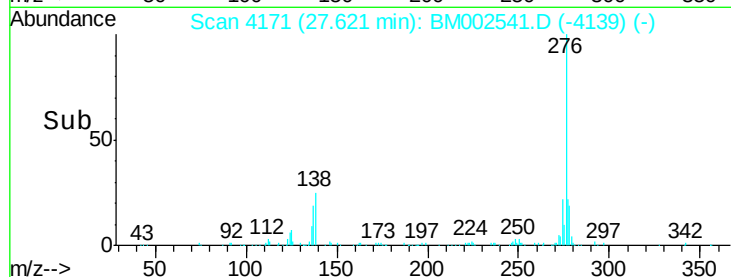
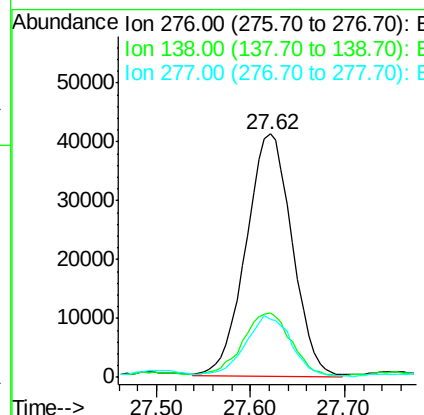
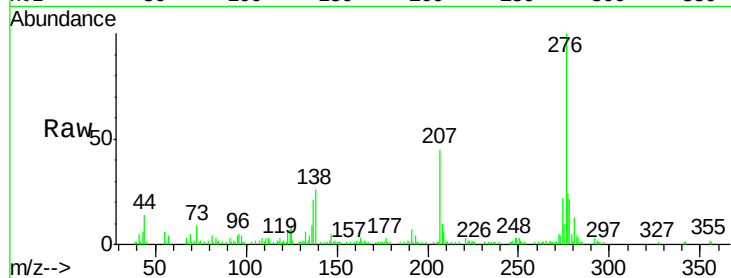




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 4.50 ng/ul
 RT: 27.62 min Scan# 4171
 Delta R.T. -0.01 min
 Lab File: BM002541.D
 Acq: 22 Aug 2015 03:31

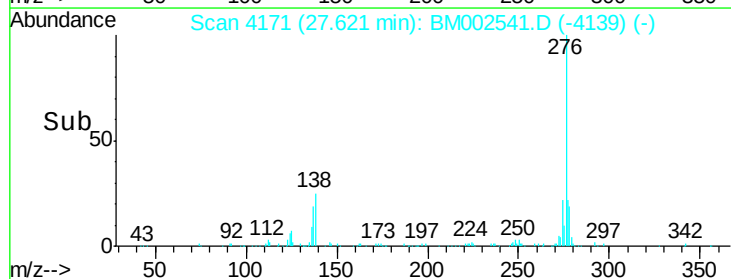
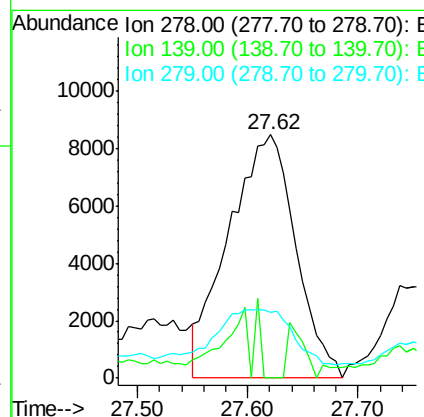
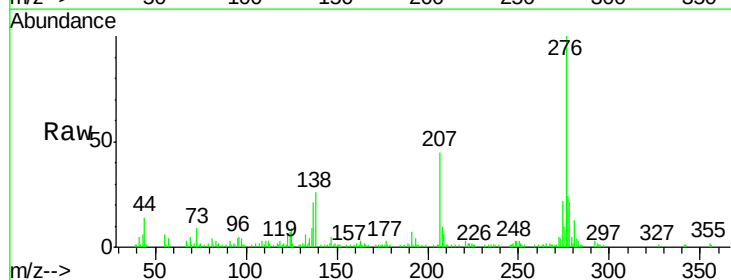
Instrument :
 BNA_M
 ClientSampleId :
 D9DX0

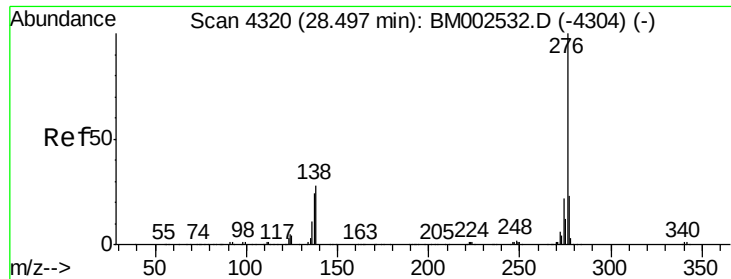
Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.3	25.3	37.9
277	24.0	20.2	30.2



#28
 Dibenzo(a,h)anthracene
 Concen: 1.39 ng/ul
 RT: 27.62 min Scan# 4171
 Delta R.T. -0.01 min
 Lab File: BM002541.D
 Acq: 22 Aug 2015 03:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.5	24.7#
279	26.8	18.8	28.2





#29

Benzo(g,h,i)perylene

Concen: 4.99 ng/ul

RT: 28.49 min Scan# 4319

Delta R.T. -0.01 min

Lab File: BM002541.D

Acq: 22 Aug 2015 03:31

Instrument :

BNA_M

ClientSampleId :

D9DX0

Tgt Ion: 276 Resp: 128815

Ion Ratio Lower Upper

276 100

138 28.4 21.0 31.6

277 24.4 19.2 28.8

