

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081215\
 Data File : BM002349.D
 Acq On : 12 Aug 2015 07:20
 Operator : UM/IZ
 Sample : G3162-19MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C84MSD

Quant Time: Aug 12 07:56:51 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 04:50:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	237147	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	1088119	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.48	164	542842	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.19	188	981179	20.00	ng/ul	0.00
17) Chrysene-d12	22.28	240	682507	20.00	ng/ul	0.00
22) Perylene-d12	24.97	264	662271	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	972801	17.30	ng/ul	0.00
10) Fluorene-d10	16.45	176	618467	15.81	ng/ul	0.00
14) Anthracene-d10	18.29	188	789780	16.59	ng/ul	0.00
18) Pyrene-d10	20.51	212	615777	18.60	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.80	264	463367	13.18	ng/ul	0.00

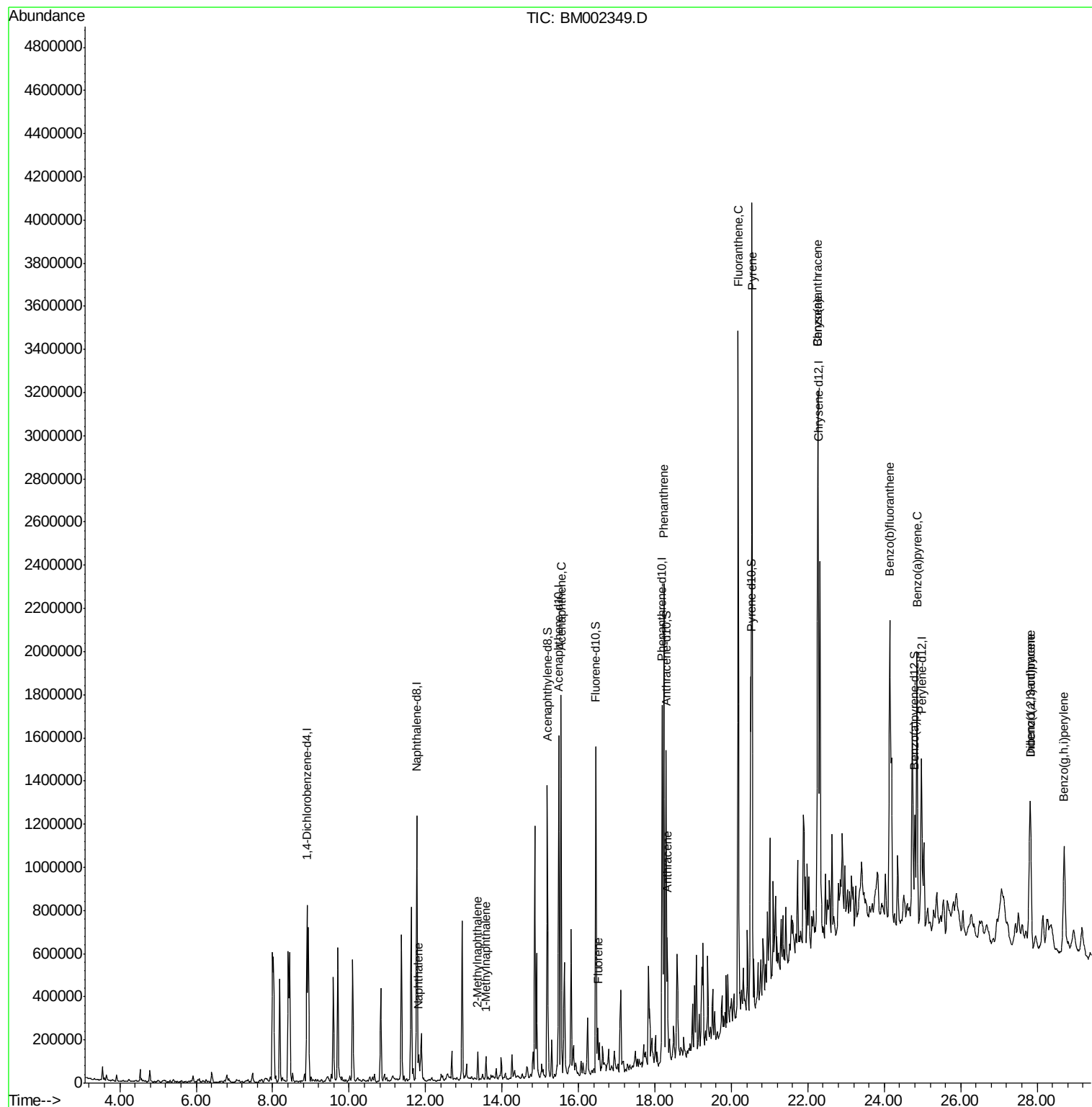
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.82	128	101560	1.77	ng/ul	99
4) 2-Methylnaphthalene	13.36	142	60432	1.48	ng/ul	99
5) 1-Methylnaphthalene	13.58	142	48530	1.20	ng/ul	98
9) Acenaphthene	15.54	153	721926	18.38	ng/ul	99
11) Fluorene	16.51	166	90154	2.04	ng/ul	99
13) Phenanthrene	18.23	178	1333589	23.61	ng/ul	100
15) Anthracene	18.32	178	370540	6.35	ng/ul	99
16) Fluoranthene	20.18	202	1909213	30.53	ng/ul	100
19) Pyrene	20.54	202	2234627	50.64	ng/ul	98
20) Benzo(a)anthracene	22.26	228	1147615	27.55	ng/ul	98
21) Chrysene	22.26	228	1143232	28.95	ng/ul	96
23) Benzo(b)fluoranthene	24.14	252	1539830	37.41	ng/ul	98
26) Benzo(a)pyrene	24.86	252	1062583	26.98	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.81	276	717077	15.88	ng/ul	95
28) Dibenzo(a,h)anthracene	27.82	278	234336	6.13	ng/ul#	86
29) Benzo(g,h,i)perylene	28.71	276	633489	16.63	ng/ul	98

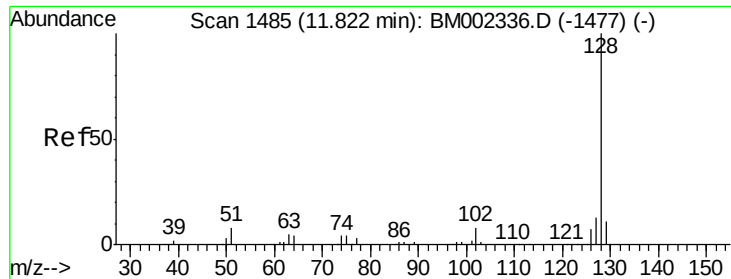
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.77 ng/ul

RT: 11.82 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

Instrument :

BNA_M

ClientSampleId :

D9C84MSD

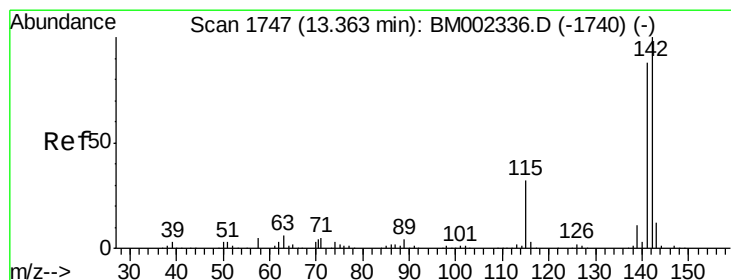
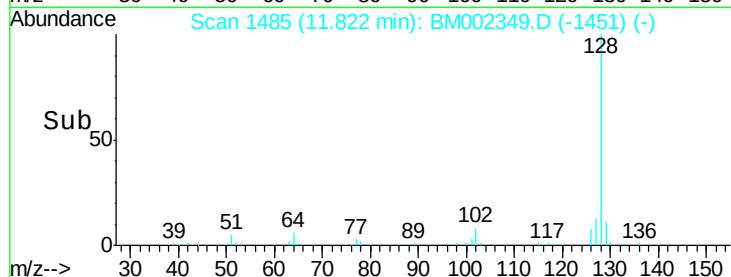
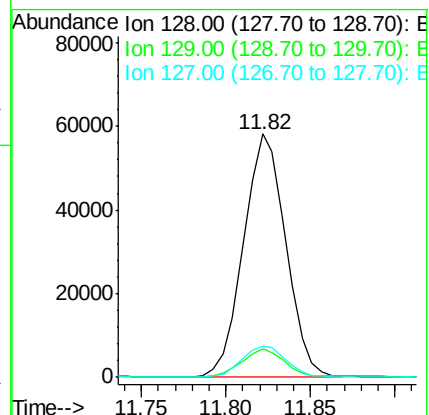
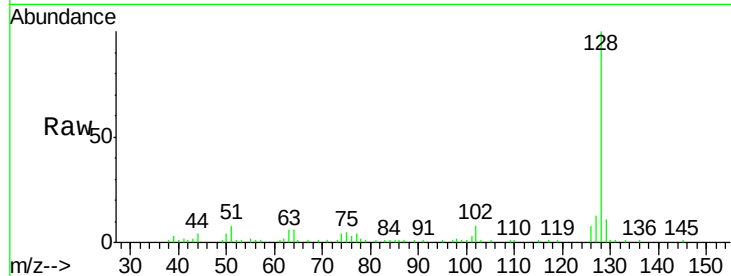
Tgt Ion:128 Resp: 101560

Ion Ratio Lower Upper

128 100

129 11.5 8.6 12.8

127 12.9 10.4 15.6



#4

2-Methylnaphthalene

Concen: 1.48 ng/ul

RT: 13.36 min Scan# 1747

Delta R.T. -0.00 min

Lab File: BM002349.D

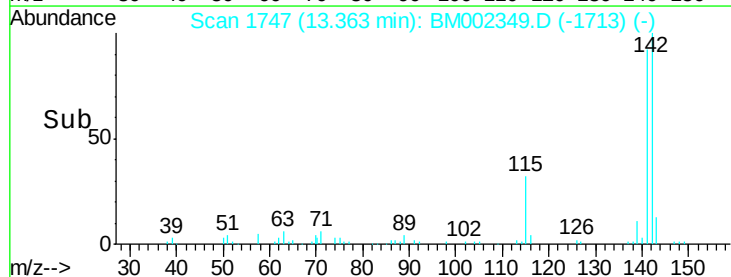
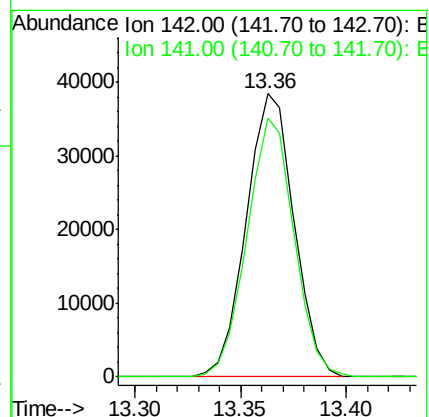
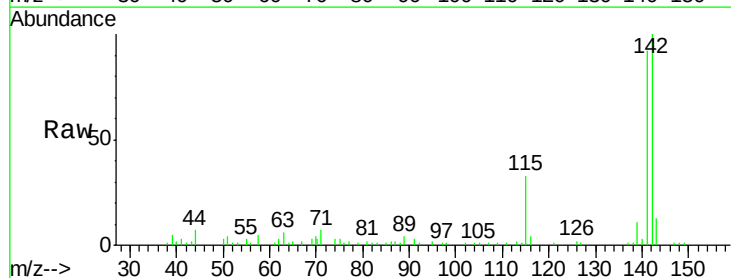
Acq: 12 Aug 2015 07:20

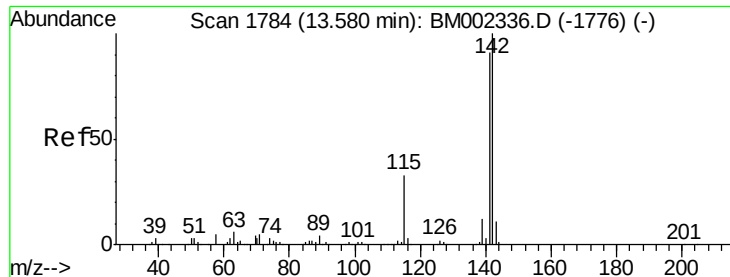
Tgt Ion:142 Resp: 60432

Ion Ratio Lower Upper

142 100

141 91.5 72.5 108.7





#5

1-Methylnaphthalene

Concen: 1.20 ng/ul

RT: 13.58 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

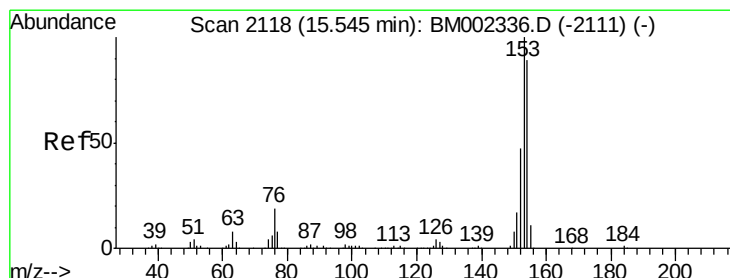
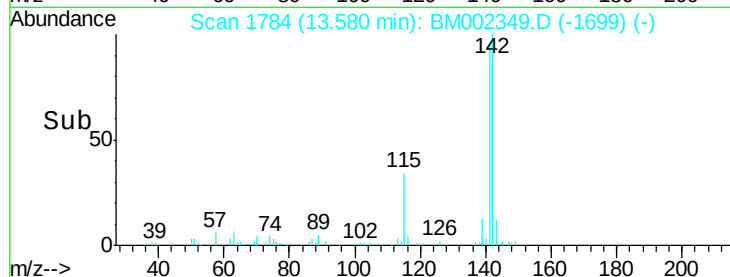
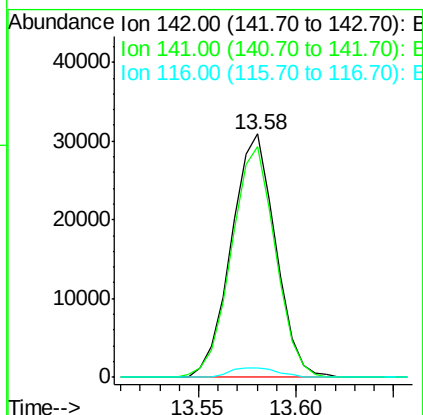
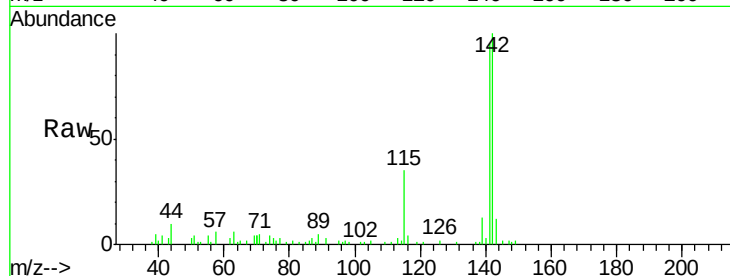
Instrument :

BNA_M

ClientSampleId :

D9C84MSD

Tgt Ion:	142	Resp:	48530
Ion	Ratio	Lower	Upper
142	100		
141	94.9	74.5	111.7
116	3.7	3.0	4.4



#9

Acenaphthene

Concen: 18.38 ng/ul

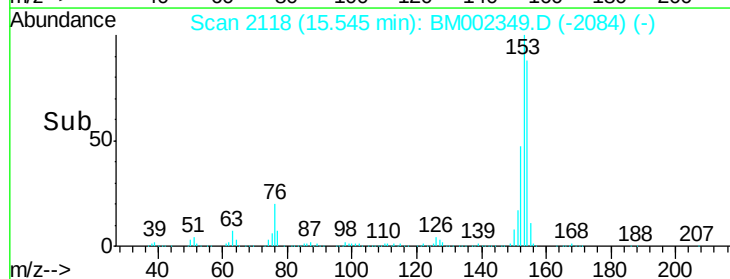
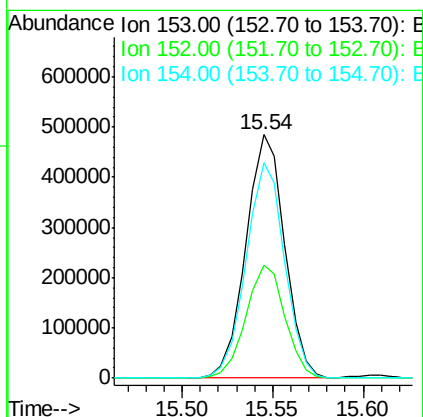
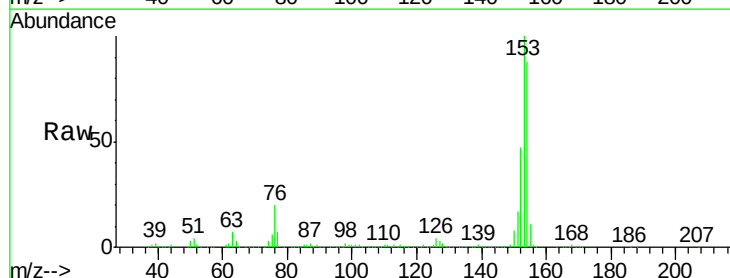
RT: 15.54 min Scan# 2118

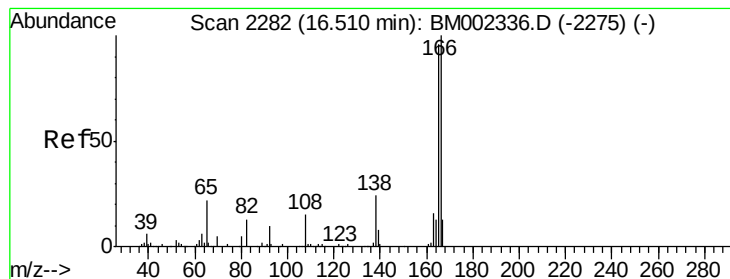
Delta R.T. -0.00 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

Tgt Ion:	153	Resp:	721926
Ion	Ratio	Lower	Upper
153	100		
152	46.5	36.6	55.0
154	88.3	71.5	107.3





#11

Fluorene

Concen: 2.04 ng/ul

RT: 16.51 min Scan# 2282

Delta R.T. -0.00 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

Instrument :

BNA_M

ClientSampleId :

D9C84MSD

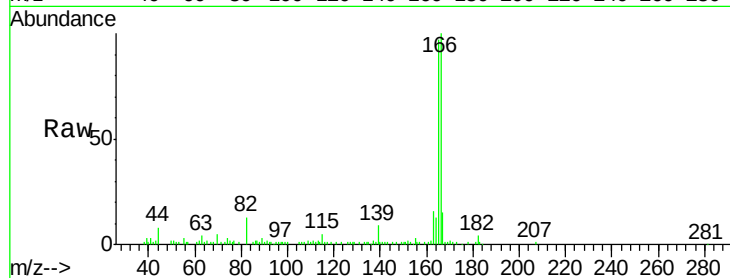
Tgt Ion:166 Resp: 90154

Ion Ratio Lower Upper

166 100

165 96.8 77.5 116.3

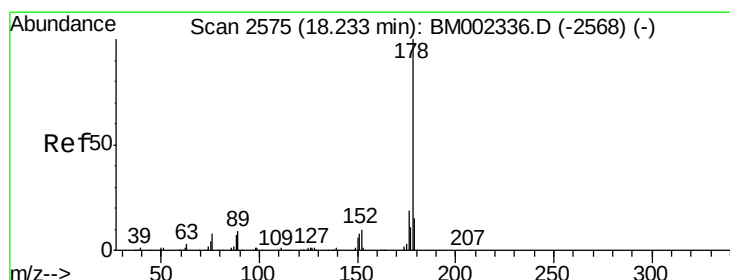
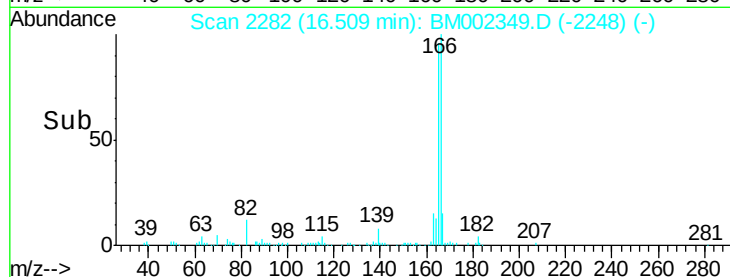
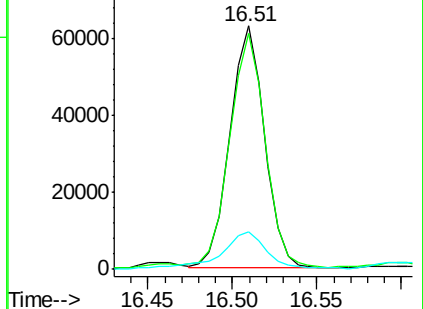
167 15.3 10.4 15.6



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: 23.61 ng/ul

RT: 18.23 min Scan# 2575

Delta R.T. -0.00 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

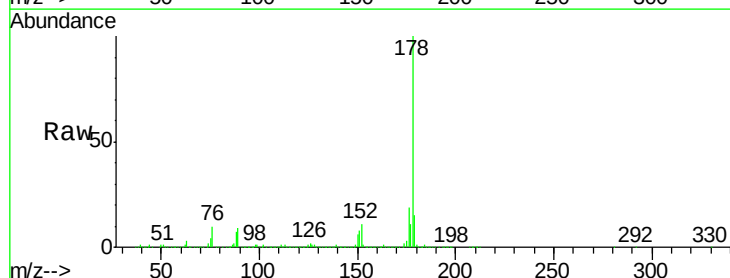
Tgt Ion:178 Resp: 1333589

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

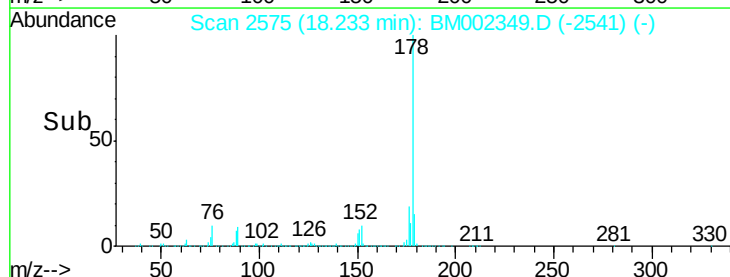
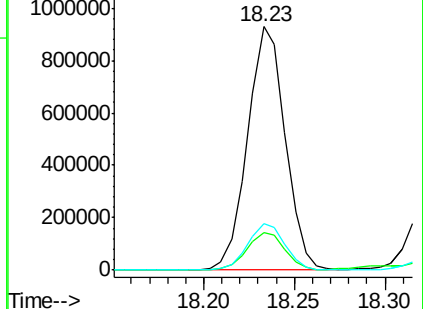
176 19.0 15.3 22.9

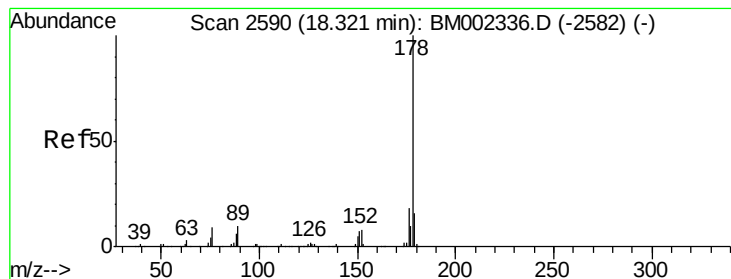


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 6.35 ng/ul

RT: 18.32 min Scan# 2590

Delta R.T. -0.00 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

Instrument :

BNA_M

ClientSampleId :

D9C84MSD

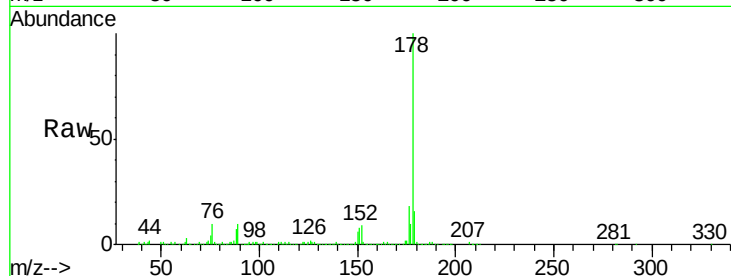
Tgt Ion:178 Resp: 370540

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

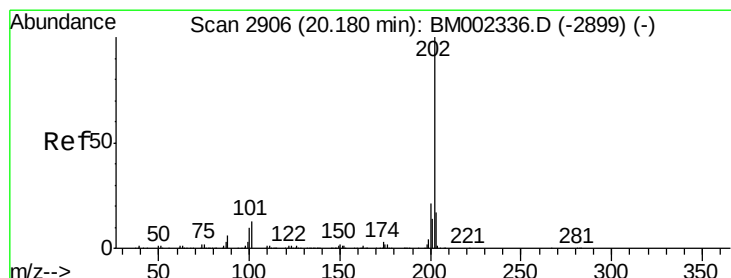
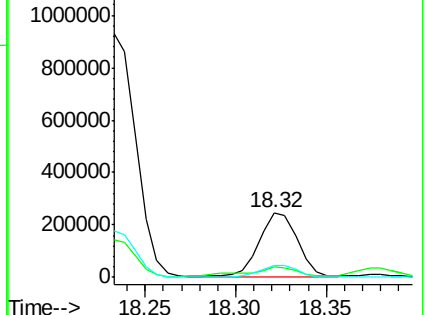
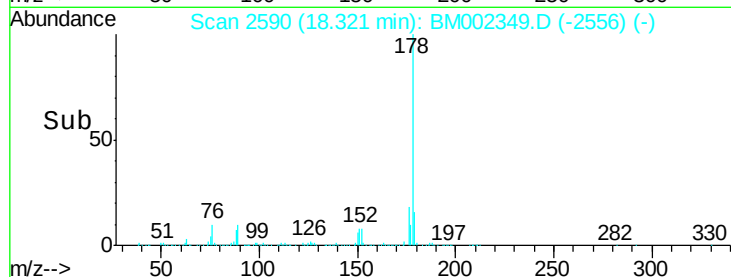
176 18.4 14.5 21.7



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: 30.53 ng/ul

RT: 20.18 min Scan# 2906

Delta R.T. -0.00 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

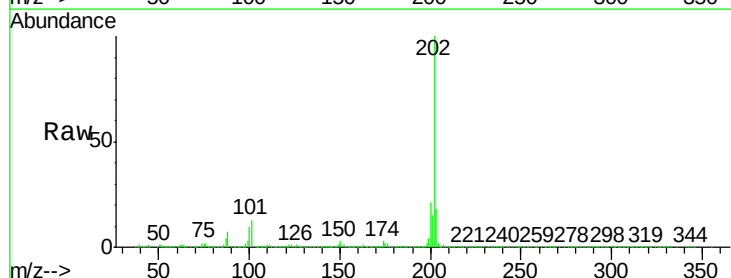
Tgt Ion:202 Resp: 1909213

Ion Ratio Lower Upper

202 100

101 13.4 10.6 15.8

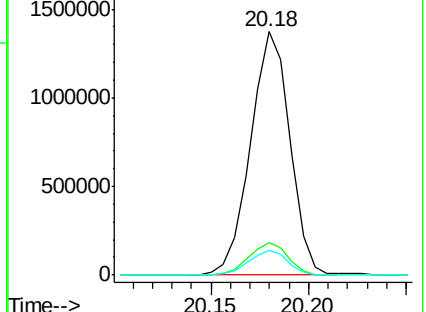
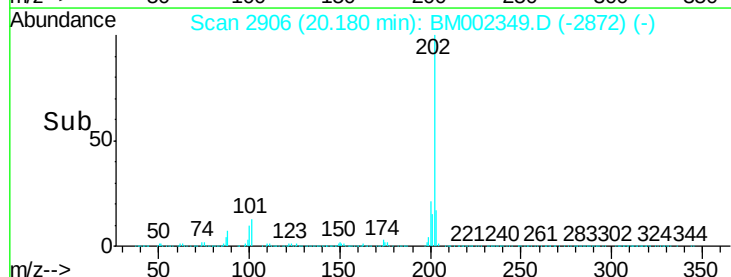
100 10.4 8.2 12.4

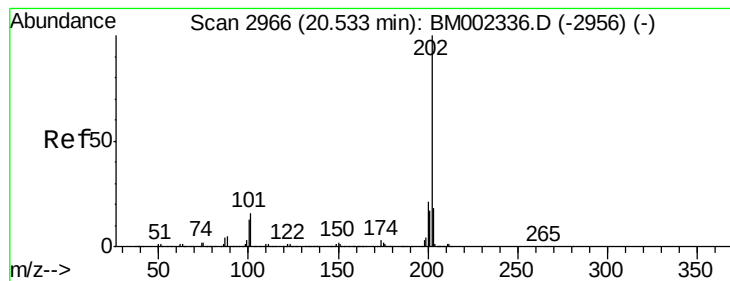


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pyrene

Concen: 50.64 ng/ul

RT: 20.54 min Scan# 2967

Delta R.T. 0.01 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

Instrument :

BNA_M

ClientSampleId :

D9C84MSD

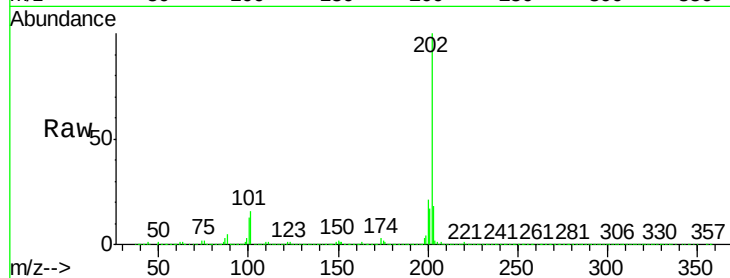
Tgt Ion:202 Resp: 2234627

Ion Ratio Lower Upper

202 100

101 15.7 13.0 19.6

100 12.7 11.0 16.4

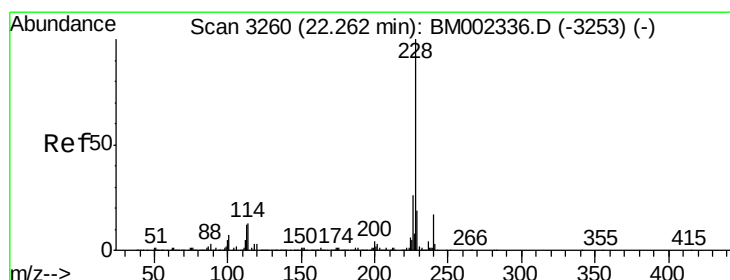
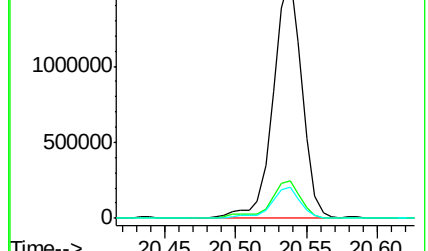
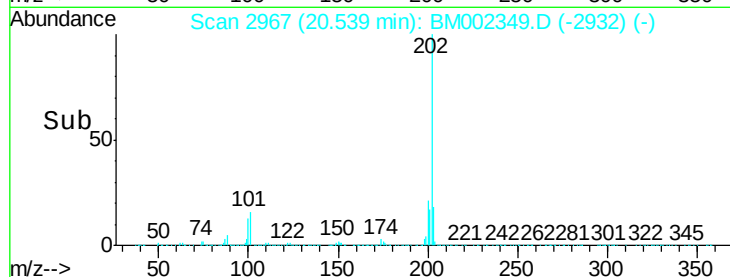


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



#20

Benzo(a)anthracene

Concen: 27.55 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. -0.00 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

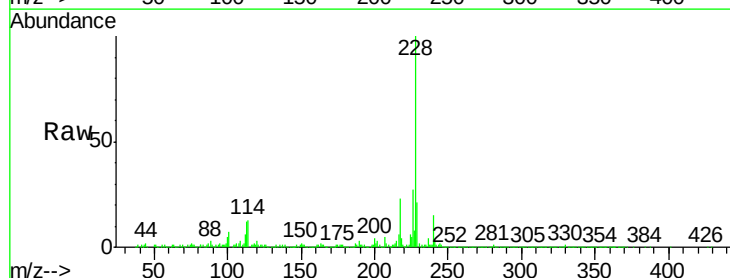
Tgt Ion:228 Resp: 1147615

Ion Ratio Lower Upper

228 100

229 21.3 15.7 23.5

226 27.1 21.4 32.0

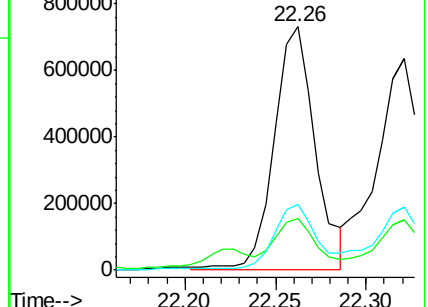
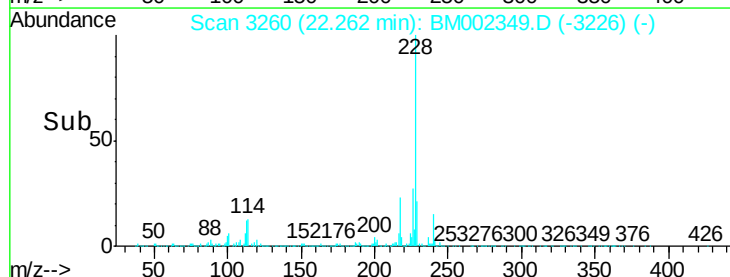


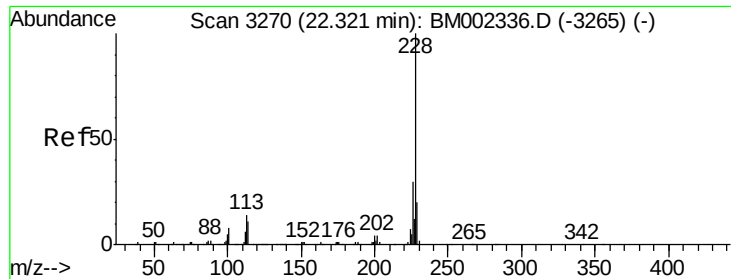
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->





#21

Chrysene

Concen: 28.95 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. -0.06 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

Instrument :

BNA_M

ClientSampleId :

D9C84MSD

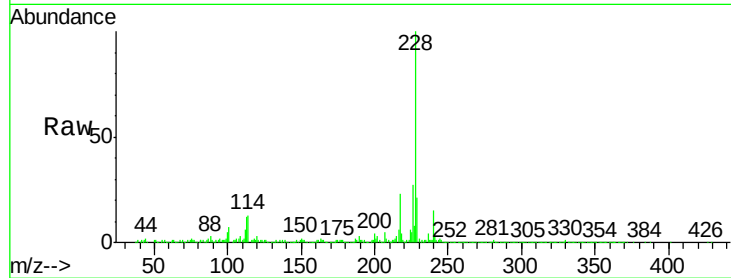
Tgt Ion:228 Resp: 1143232

Ion Ratio Lower Upper

228 100

226 27.1 23.4 35.0

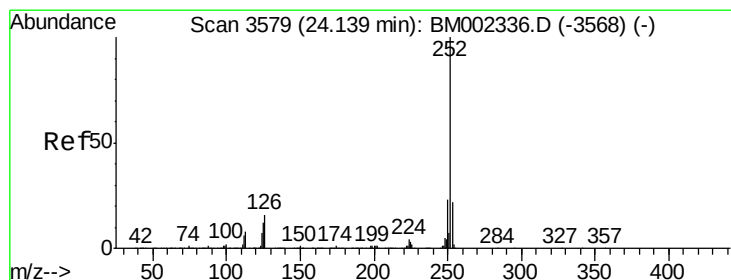
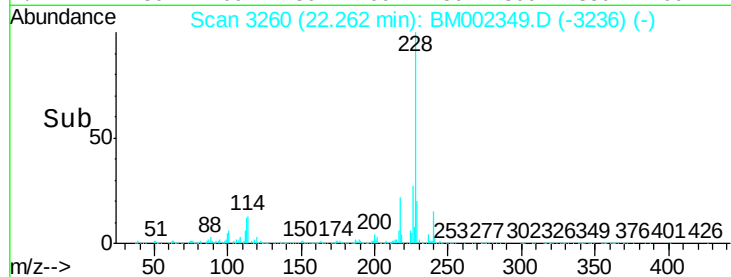
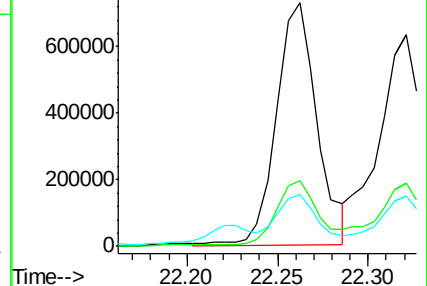
229 21.3 15.5 23.3



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: 37.41 ng/ul

RT: 24.14 min Scan# 3580

Delta R.T. 0.01 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

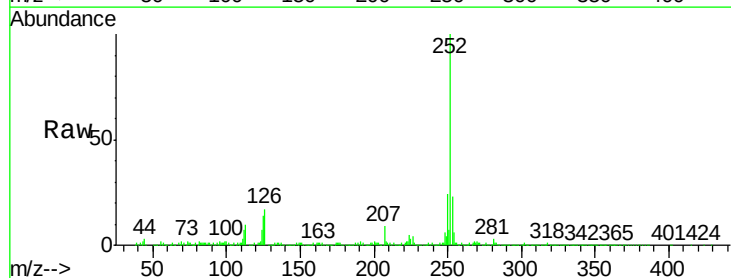
Tgt Ion:252 Resp: 1539830

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

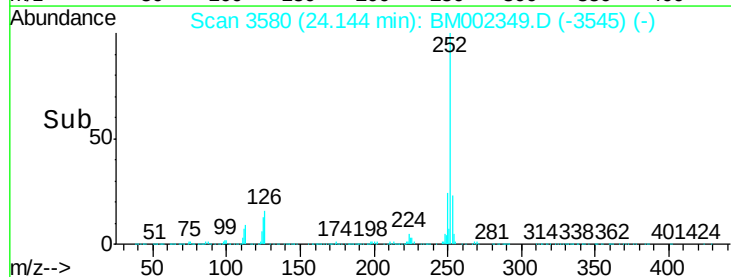
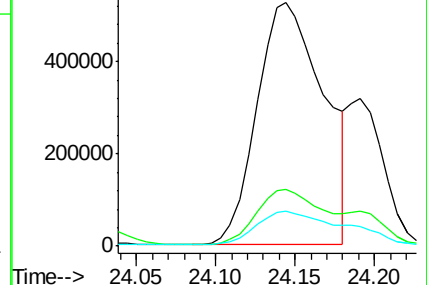
125 14.1 10.3 15.5

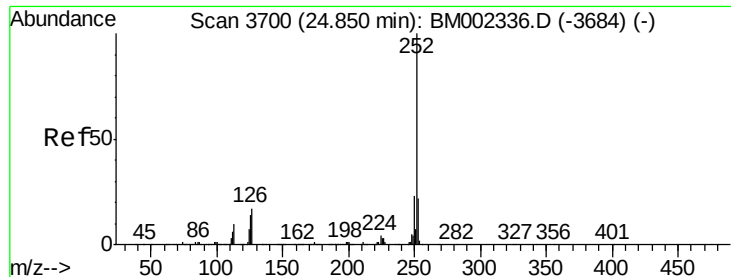


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

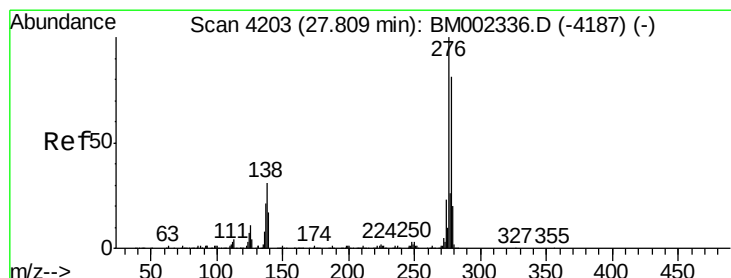
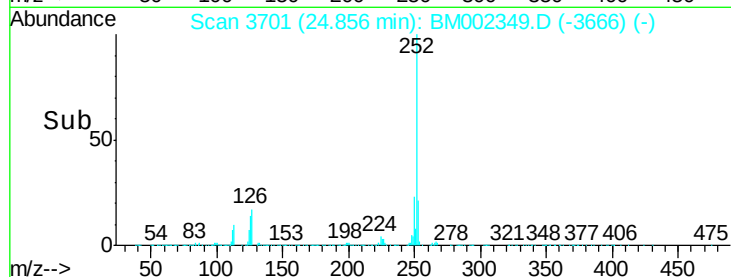
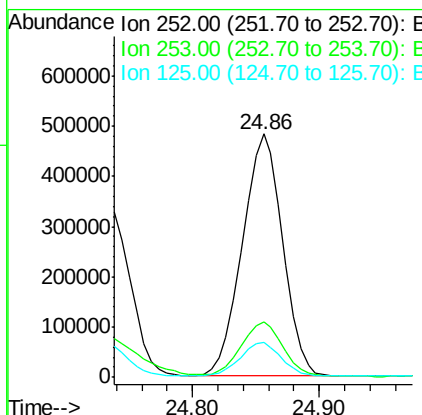
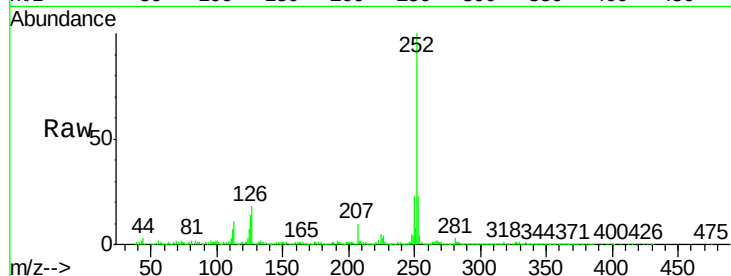




#26
Benzo(a)pyrene
Concen: 26.98 ng/ul
RT: 24.86 min Scan# 3701
Delta R.T. 0.01 min
Lab File: BM002349.D
Acq: 12 Aug 2015 07:20

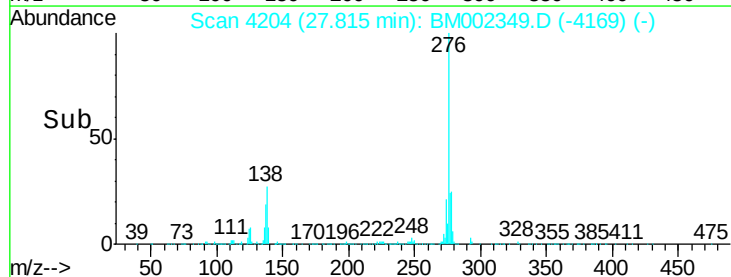
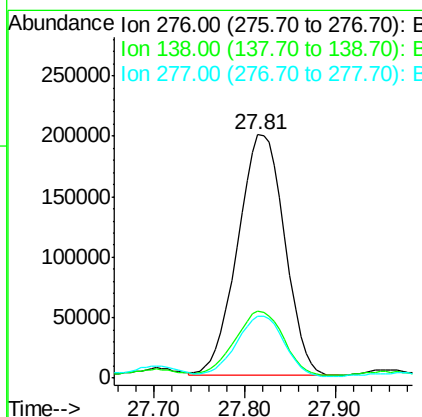
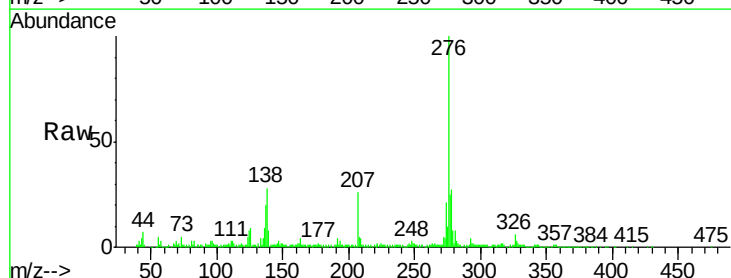
Instrument :
BNA_M
ClientSampleId :
D9C84MSD

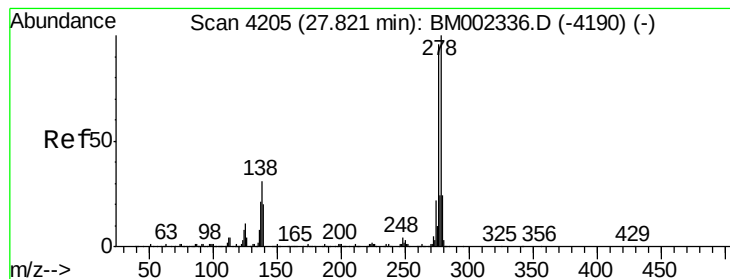
Tgt Ion:252 Resp: 1062583
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 14.2 11.0 16.6



#27
Indeno(1,2,3-cd)pyrene
Concen: 15.88 ng/ul
RT: 27.81 min Scan# 4204
Delta R.T. 0.01 min
Lab File: BM002349.D
Acq: 12 Aug 2015 07:20

Tgt Ion:276 Resp: 717077
Ion Ratio Lower Upper
276 100
138 27.7 25.6 38.4
277 25.2 21.0 31.4





#28

Dibenzo(a,h)anthracene

Concen: 6.13 ng/ul

RT: 27.82 min Scan# 4205

Delta R.T. -0.00 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

Instrument :

BNA_M

ClientSampleId :

D9C84MSD

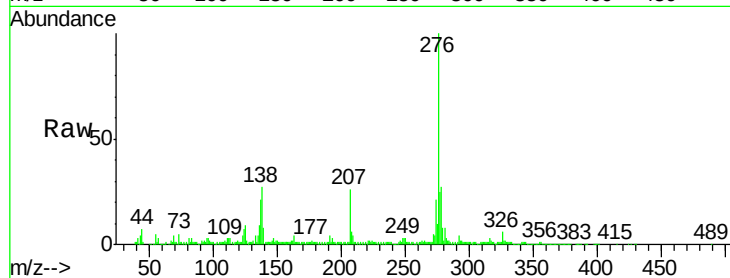
Tgt Ion:278 Resp: 234336

Ion Ratio Lower Upper

278 100

139 28.4 16.4 24.6#

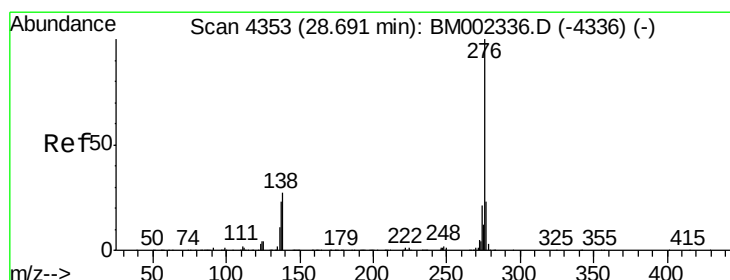
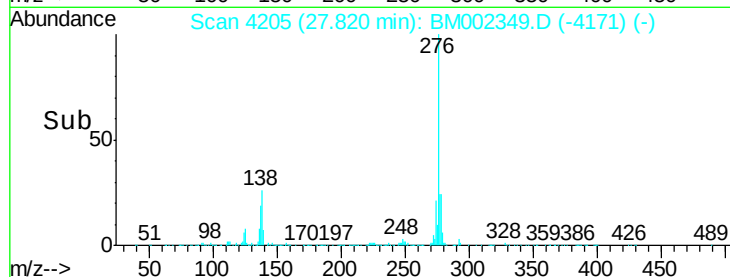
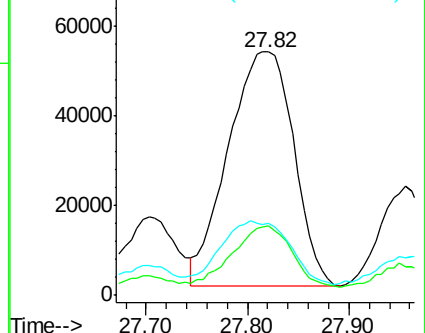
279 29.5 18.8 28.2#



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: 16.63 ng/ul

RT: 28.71 min Scan# 4356

Delta R.T. 0.02 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

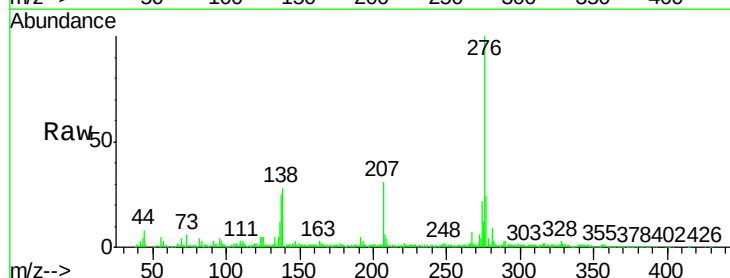
Tgt Ion:276 Resp: 633489

Ion Ratio Lower Upper

276 100

138 27.7 20.5 30.7

277 23.8 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

