

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
 Data File : BM002635.D
 Acq On : 01 Sep 2015 19:10
 Operator : UM/IZ
 Sample : G3457-04
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9EA8

Quant Time: Sep 02 00:45:59 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 02 00:45:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	127952	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	629559	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	315419	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	552408	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	418272	20.00	ng/ul	0.00
22) Perylene-d12	24.80	264	400269	20.00	ng/ul	0.01

System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	578691	17.94	ng/ul	0.00
10) Fluorene-d10	16.34	176	385024	17.00	ng/ul	0.00
14) Anthracene-d10	18.17	188	502900	18.87	ng/ul	0.00
18) Pyrene-d10	20.40	212	366840	19.79	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.63	264	392707	18.68	ng/ul	0.01

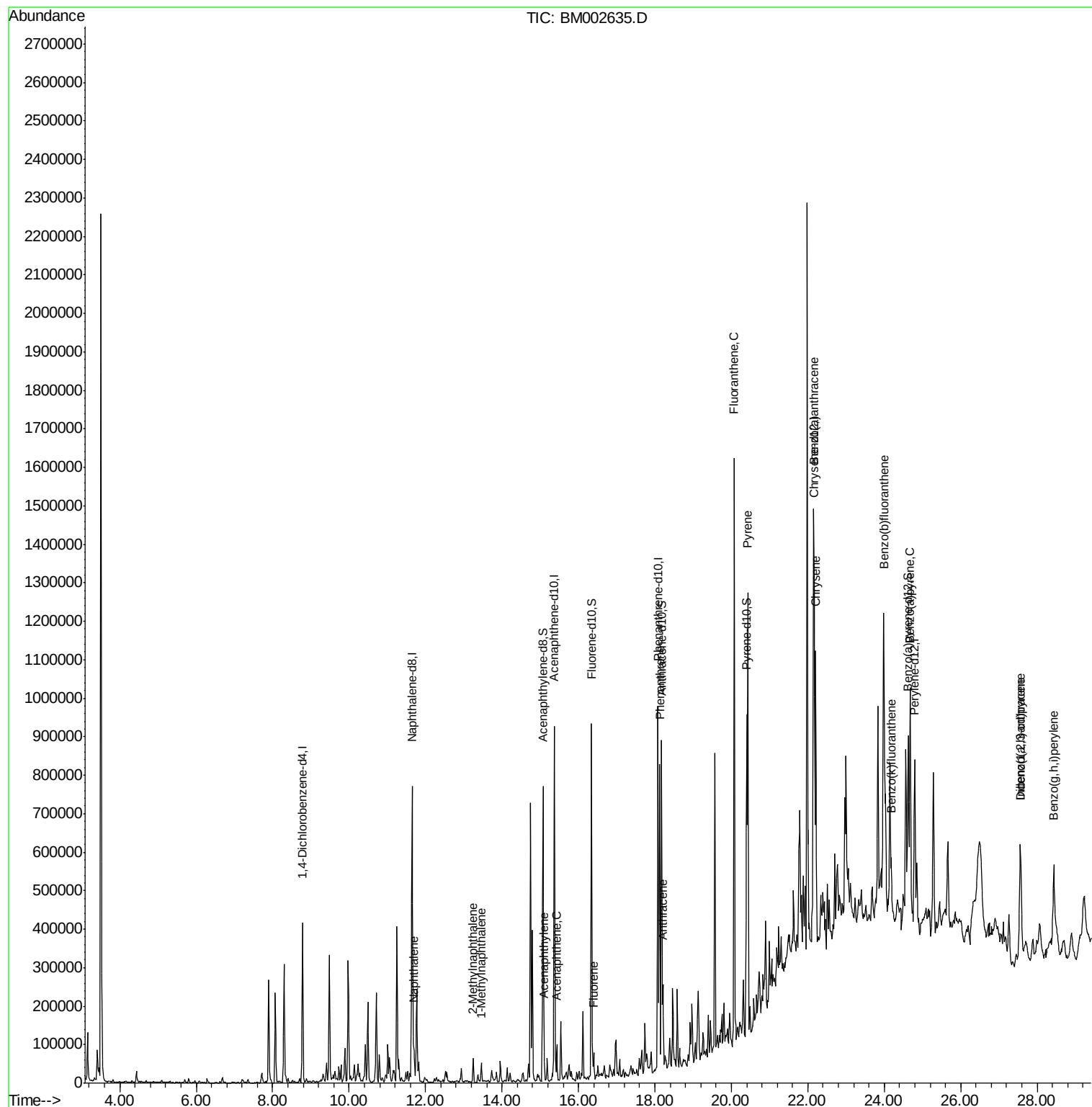
Target Compounds				Qvalue		
3) Naphthalene	11.70	128	76069	2.37	ng/ul	98
4) 2-Methylnaphthalene	13.25	142	32352	1.34	ng/ul	98
5) 1-Methylnaphthalene	13.46	142	24143	1.01	ng/ul	99
8) Acenaphthylene	15.10	152	51533	1.53	ng/ul	99
9) Acenaphthene	15.43	153	38336	1.72	ng/ul	99
11) Fluorene	16.40	166	31600	1.24	ng/ul#	95
13) Phenanthrene	18.12	178	479583	15.03	ng/ul	100
15) Anthracene	18.21	178	132518	4.10	ng/ul	99
16) Fluoranthene	20.07	202	909286	25.18	ng/ul	97
19) Pyrene	20.43	202	669148	27.31	ng/ul	99
20) Benzo(a)anthracene	22.14	228	464587	18.57	ng/ul	99
21) Chrysene	22.20	228	455648	19.48	ng/ul	96
23) Benzo(b)fluoranthene	23.99	252	707593	29.24	ng/ul	96
24) Benzo(k)fluoranthene	24.19	252	93550	4.08	ng/ul#	84
26) Benzo(a)pyrene	24.68	252	455415	19.70	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.57	276	307762	11.58	ng/ul	96
28) Dibenzo(a,h)anthracene	27.56	278	85174	3.83	ng/ul#	81
29) Benzo(g,h,i)perylene	28.44	276	275628	12.46	ng/ul	96

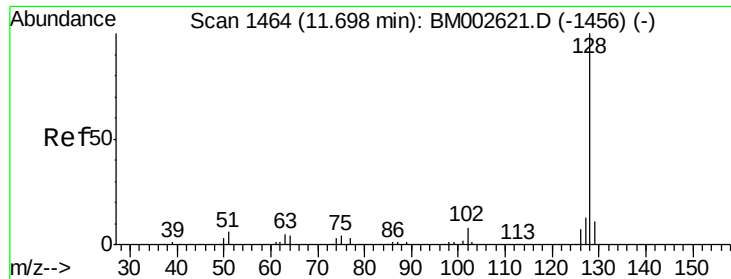
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
Data File : BM002635.D
Acq On : 01 Sep 2015 19:10
Operator : UM/IZ
Sample : G3457-04
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9EA8

Quant Time: Sep 02 00:45:59 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 02 00:45:29 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 2.37 ng/ul

RT: 11.70 min Scan# 1464

Delta R.T. 0.00 min

Lab File: BM002635.D

Acq: 01 Sep 2015 19:10

Instrument :

BNA_M

ClientSampleId :

D9EA8

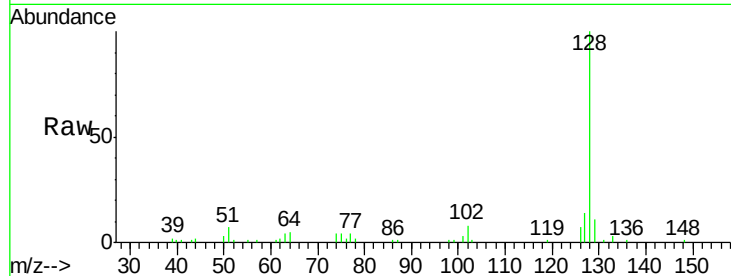
Tgt Ion:128 Resp: 76069

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

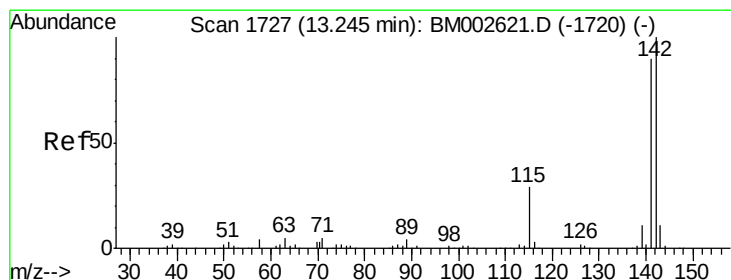
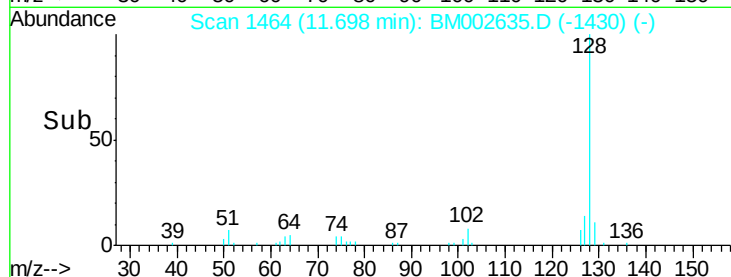
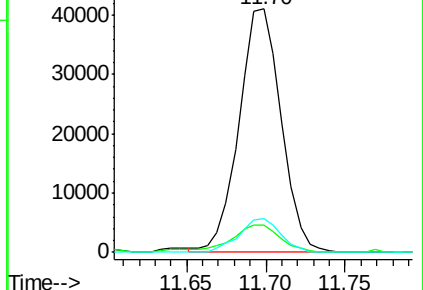
127 13.6 10.4 15.6



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: 1.34 ng/ul

RT: 13.25 min Scan# 1727

Delta R.T. 0.00 min

Lab File: BM002635.D

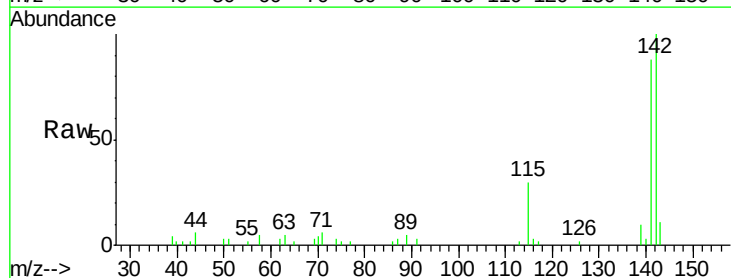
Acq: 01 Sep 2015 19:10

Tgt Ion:142 Resp: 32352

Ion Ratio Lower Upper

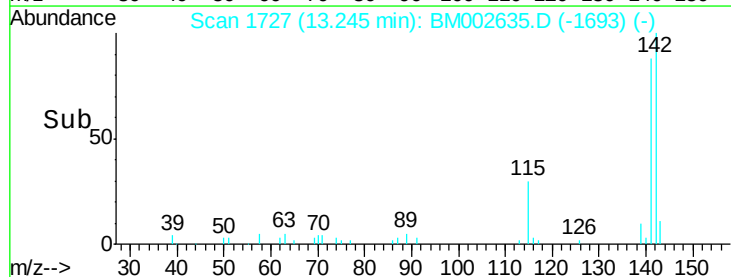
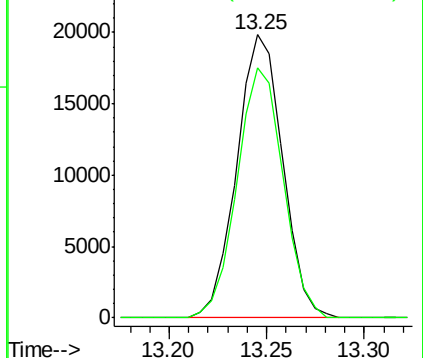
142 100

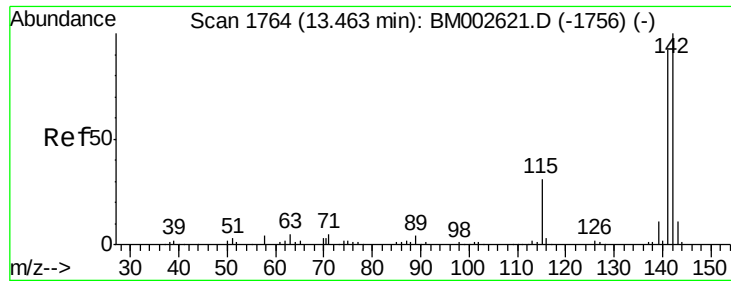
141 88.1 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.01 ng/ul

RT: 13.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BM002635.D

Acq: 01 Sep 2015 19:10

Instrument :

BNA_M

ClientSampleId :

D9EA8

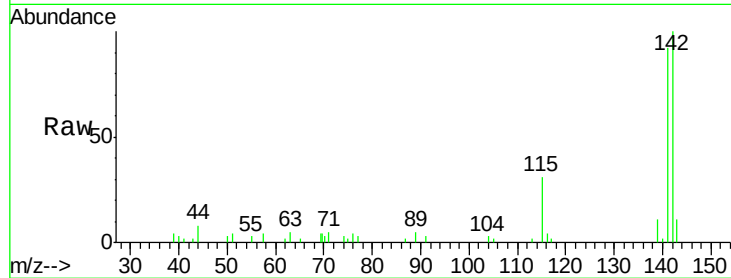
Tgt Ion:142 Resp: 24143

Ion Ratio Lower Upper

142 100

141 91.7 73.9 110.9

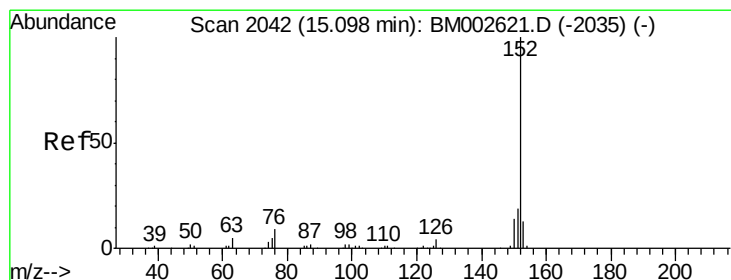
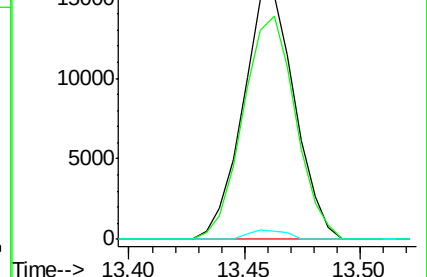
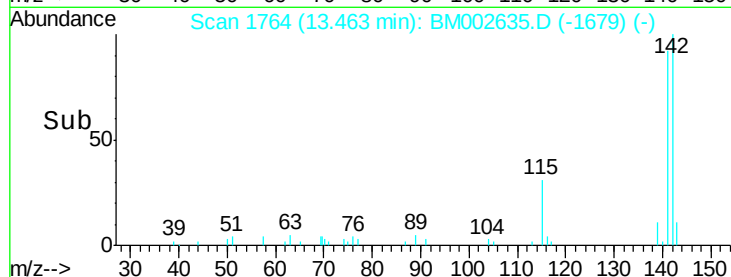
116 3.5 3.0 4.4



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: 1.53 ng/ul

RT: 15.10 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BM002635.D

Acq: 01 Sep 2015 19:10

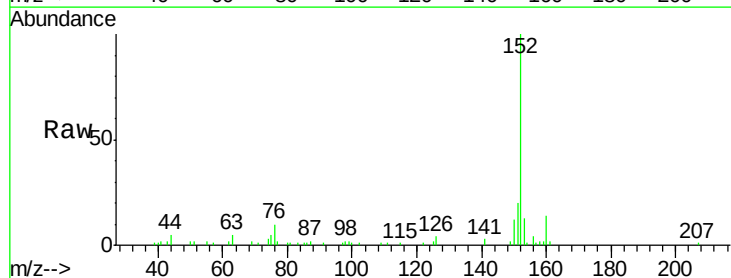
Tgt Ion:152 Resp: 51533

Ion Ratio Lower Upper

152 100

151 20.4 15.7 23.5

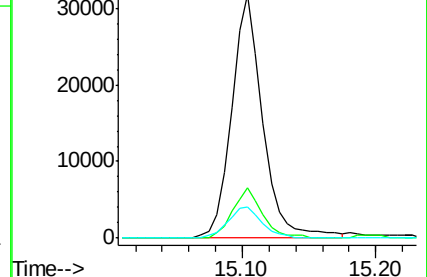
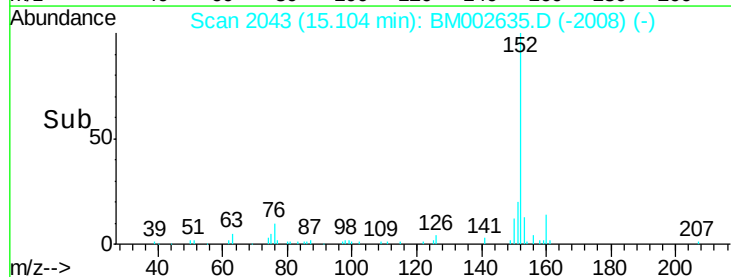
153 12.6 10.2 15.4

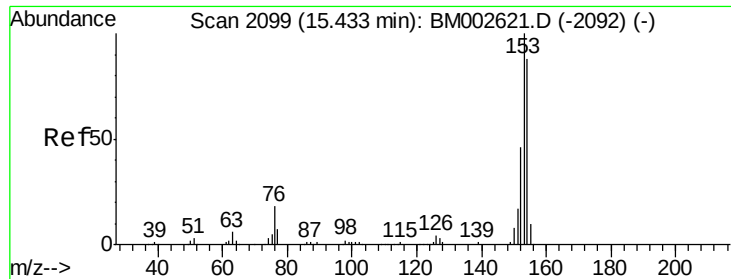


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.72 ng/ul

RT: 15.43 min Scan# 2099

Delta R.T. 0.00 min

Lab File: BM002635.D

Acq: 01 Sep 2015 19:10

Instrument :

BNA_M

ClientSampleId :

D9EA8

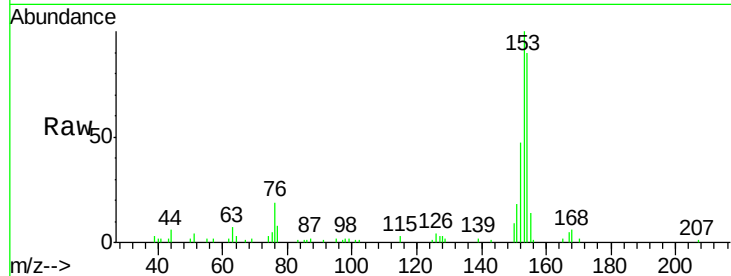
Tgt Ion:153 Resp: 38336

Ion Ratio Lower Upper

153 100

152 46.5 36.9 55.3

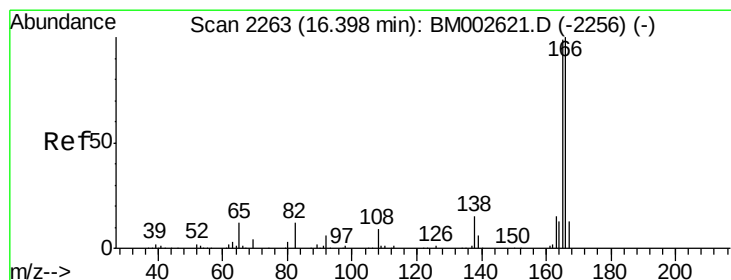
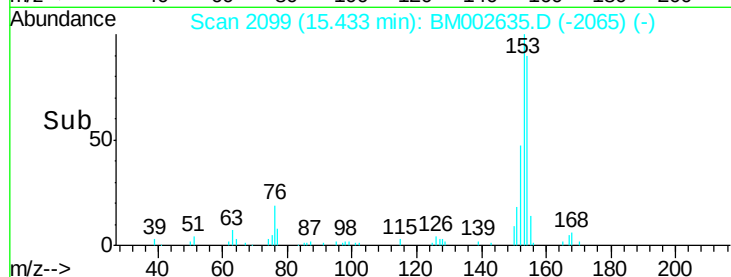
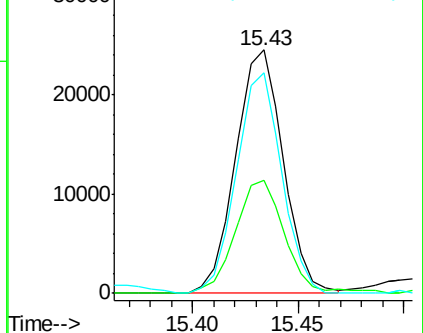
154 90.5 71.3 106.9



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: 1.24 ng/ul

RT: 16.40 min Scan# 2263

Delta R.T. 0.00 min

Lab File: BM002635.D

Acq: 01 Sep 2015 19:10

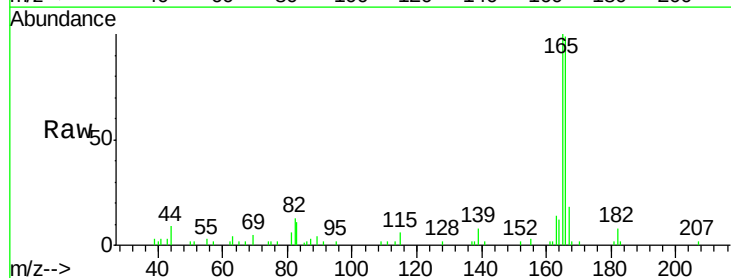
Tgt Ion:166 Resp: 31600

Ion Ratio Lower Upper

166 100

165 101.3 77.6 116.4

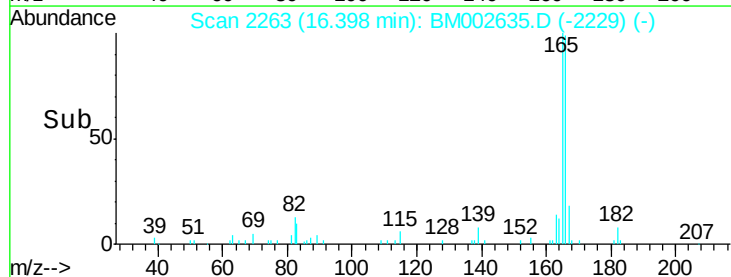
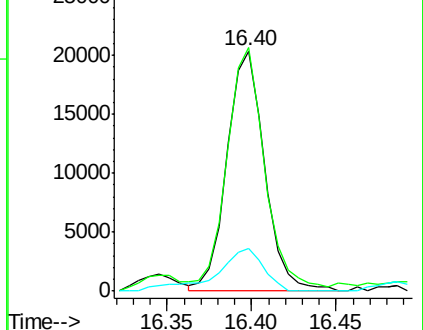
167 17.8 10.7 16.1#

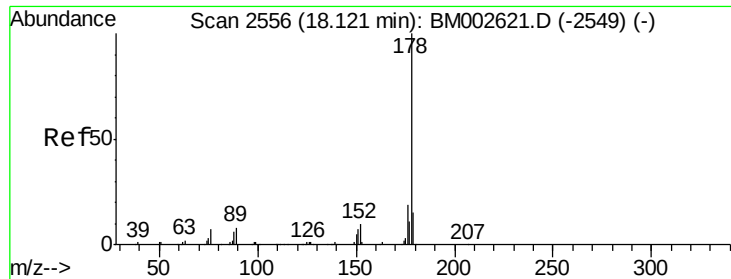


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 15.03 ng/ul

RT: 18.12 min Scan# 2556

Delta R.T. 0.00 min

Lab File: BM002635.D

Acq: 01 Sep 2015 19:10

Instrument :

BNA_M

ClientSampleId :

D9EA8

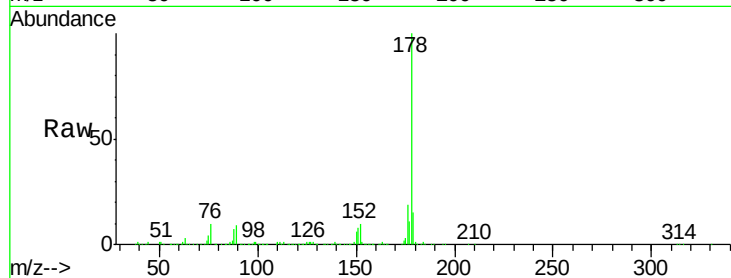
Tgt Ion:178 Resp: 479583

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

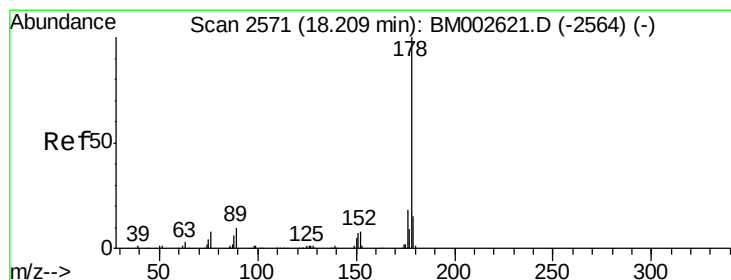
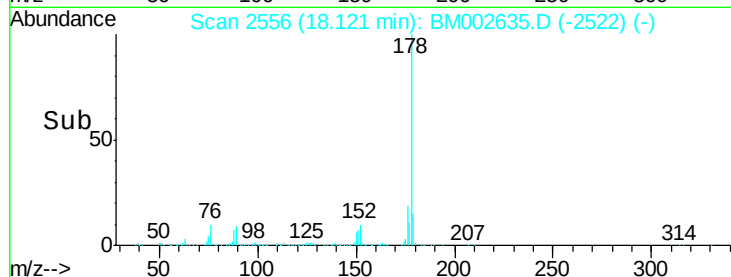
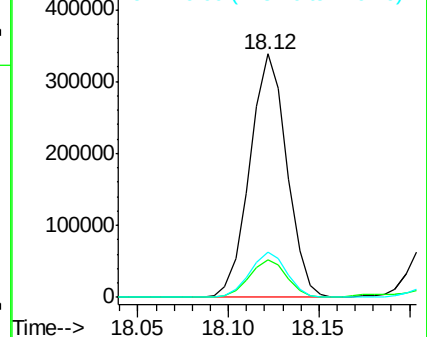
176 18.6 15.1 22.7



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



#15

Anthracene

Concen: 4.10 ng/ul

RT: 18.21 min Scan# 2571

Delta R.T. 0.00 min

Lab File: BM002635.D

Acq: 01 Sep 2015 19:10

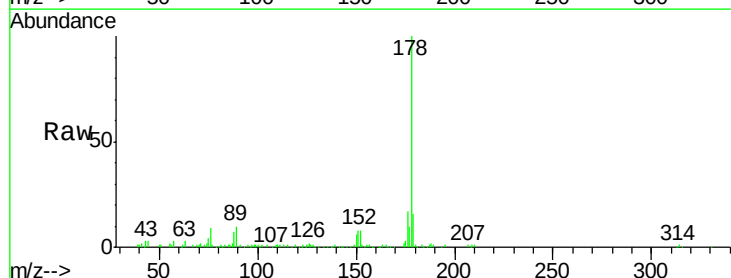
Tgt Ion:178 Resp: 132518

Ion Ratio Lower Upper

178 100

179 15.5 12.6 18.8

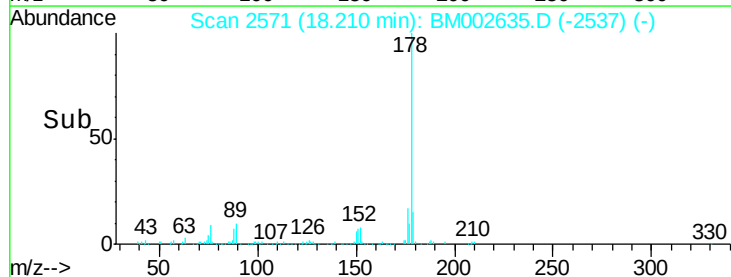
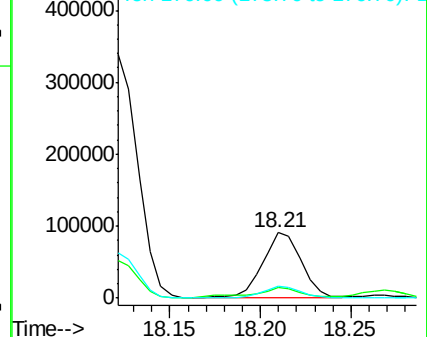
176 17.5 14.5 21.7

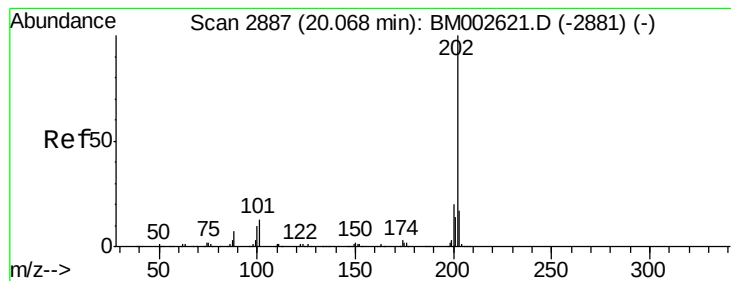


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 25.18 ng/ul

RT: 20.07 min Scan# 2888

Delta R.T. 0.01 min

Lab File: BM002635.D

Acq: 01 Sep 2015 19:10

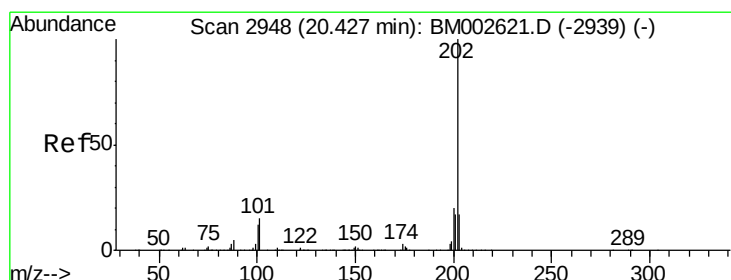
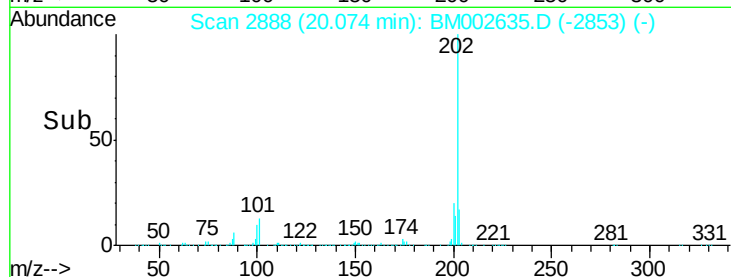
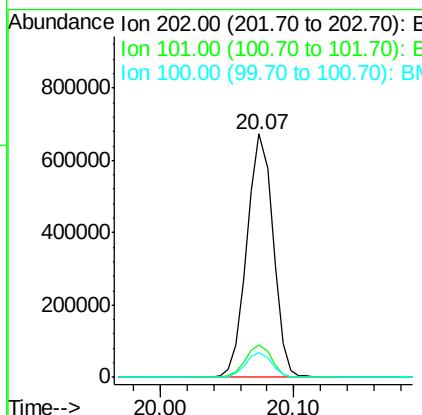
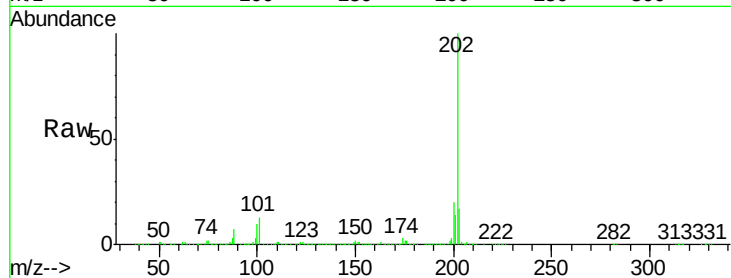
Instrument :

BNA_M

ClientSampleId :

D9EA8

Tgt Ion:	202	Resp:	909286
Ion	Ratio	Lower	Upper
202	100		
101	13.4	9.7	14.5
100	10.1	7.4	11.2



#19

Pyrene

Concen: 27.31 ng/ul

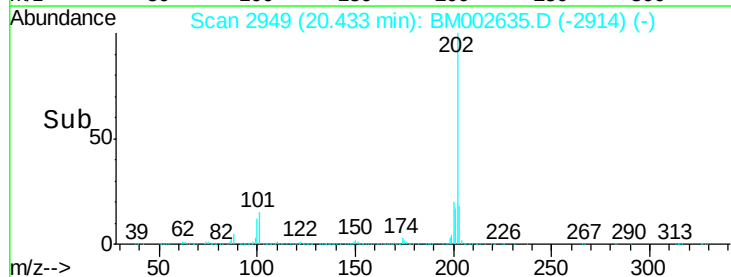
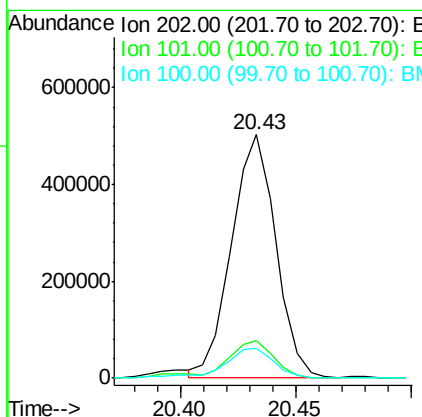
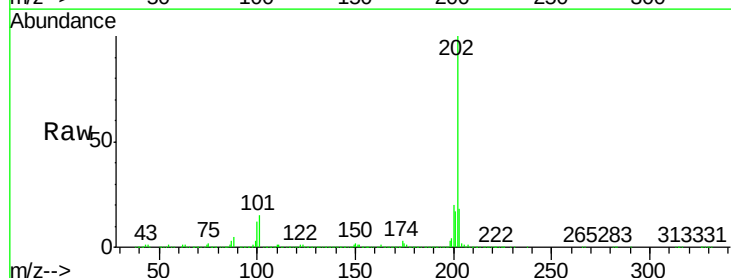
RT: 20.43 min Scan# 2949

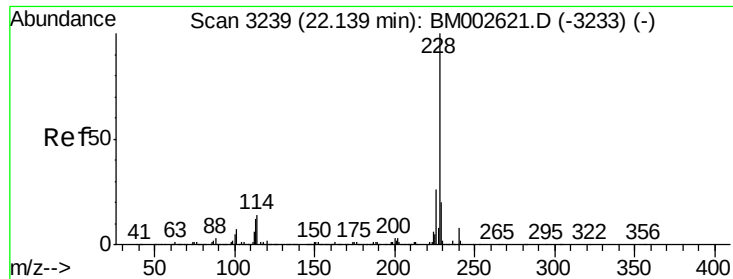
Delta R.T. 0.01 min

Lab File: BM002635.D

Acq: 01 Sep 2015 19:10

Tgt Ion:	202	Resp:	669148
Ion	Ratio	Lower	Upper
202	100		
101	15.4	12.0	18.0
100	12.2	9.7	14.5

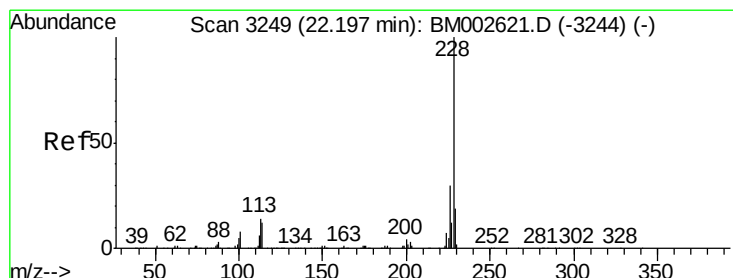
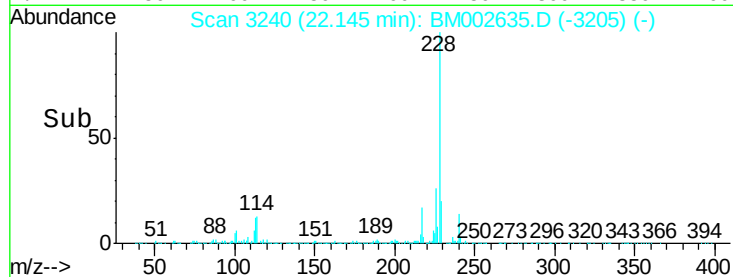
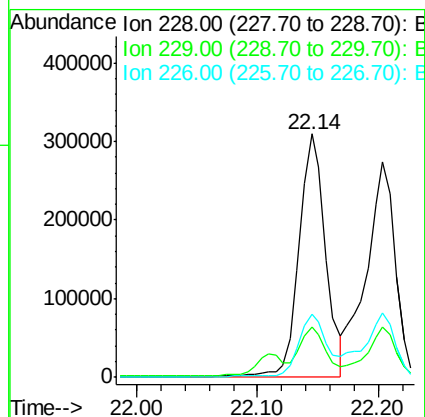
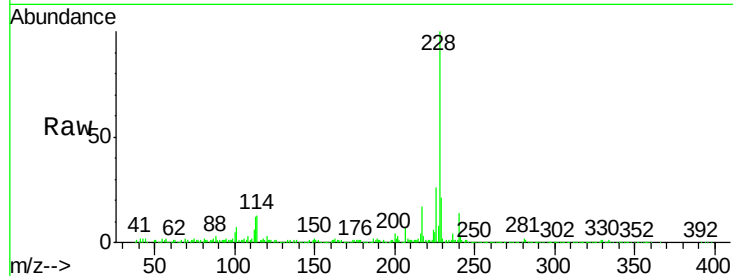




#20
Benzo(a)anthracene
Concen: 18.57 ng/ul
RT: 22.14 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

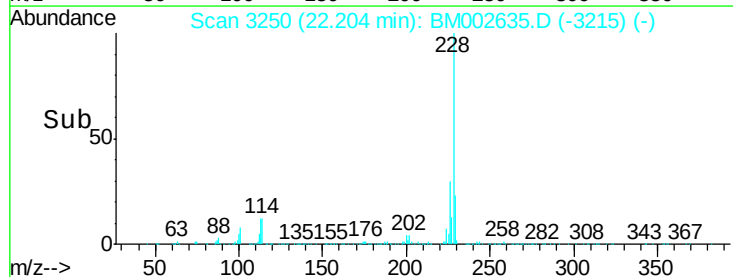
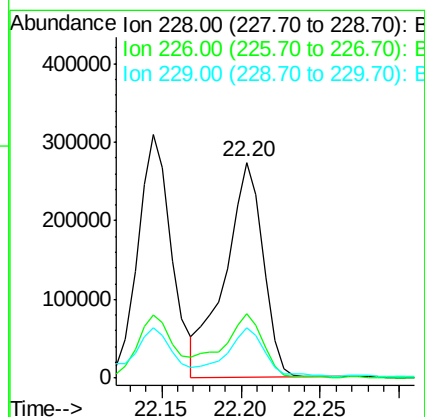
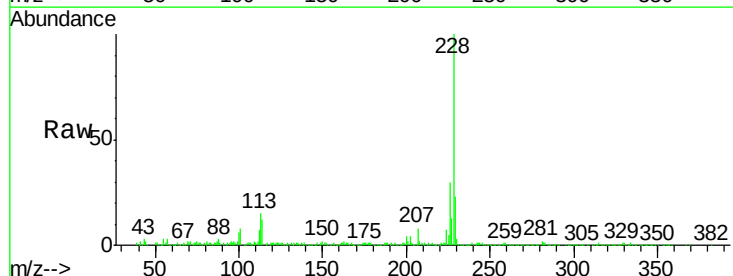
Instrument :
BNA_M
ClientSampleId :
D9EA8

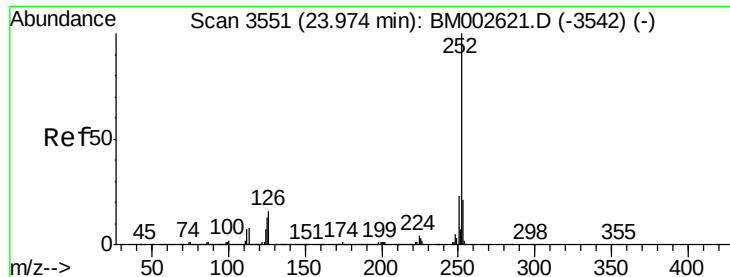
Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.8	23.6
226	26.0	21.1	31.7



#21
Chrysene
Concen: 19.48 ng/ul
RT: 22.20 min Scan# 3250
Delta R.T. 0.01 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	23.1	15.7	23.5





#23

Benzo(b)fluoranthene

Concen: 29.24 ng/ul

RT: 23.99 min Scan# 3553

Delta R.T. 0.01 min

Lab File: BM002635.D

Acq: 01 Sep 2015 19:10

Instrument :

BNA_M

ClientSampleId :

D9EA8

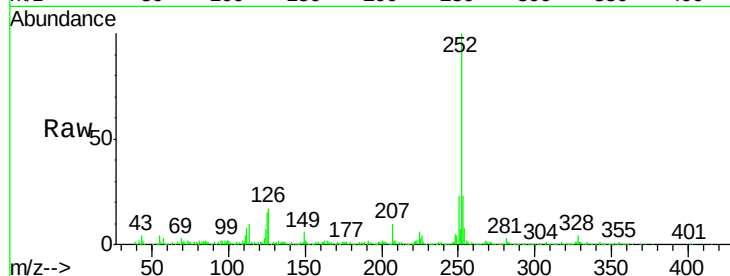
Tgt Ion:252 Resp: 707593

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

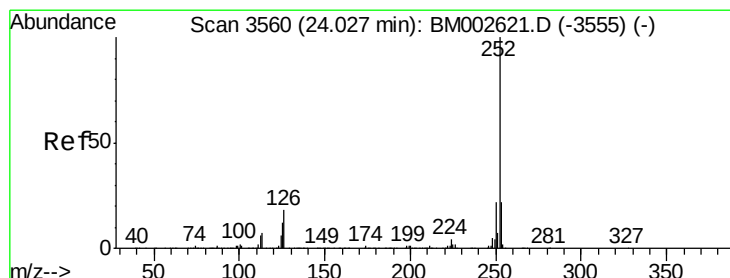
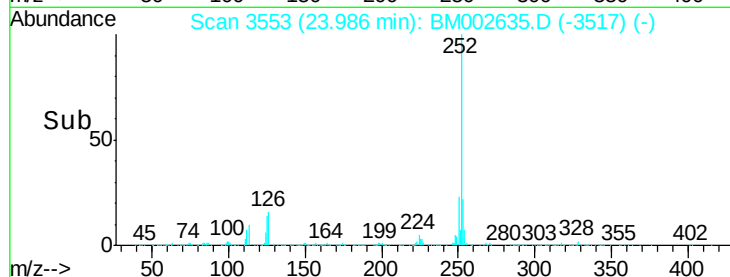
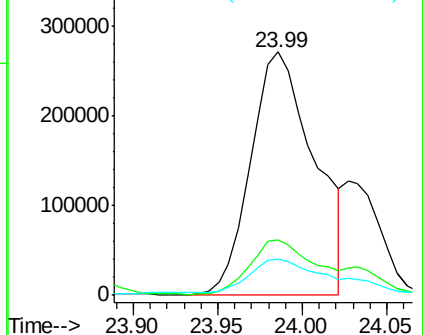
125 14.8 10.0 15.0



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: 4.08 ng/ul

RT: 24.19 min Scan# 3587

Delta R.T. 0.16 min

Lab File: BM002635.D

Acq: 01 Sep 2015 19:10

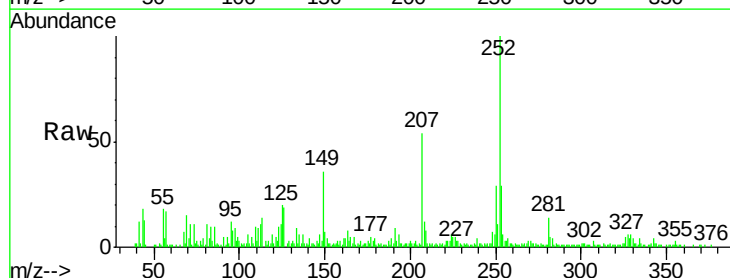
Tgt Ion:252 Resp: 93550

Ion Ratio Lower Upper

252 100

253 29.0 17.8 26.6#

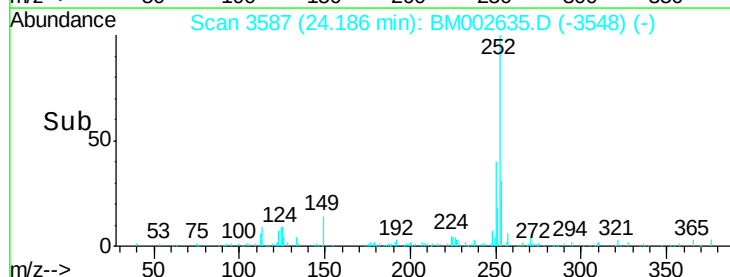
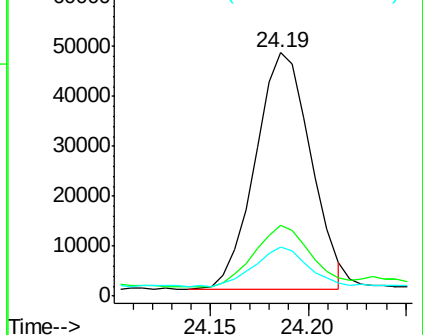
125 19.9 9.8 14.8#

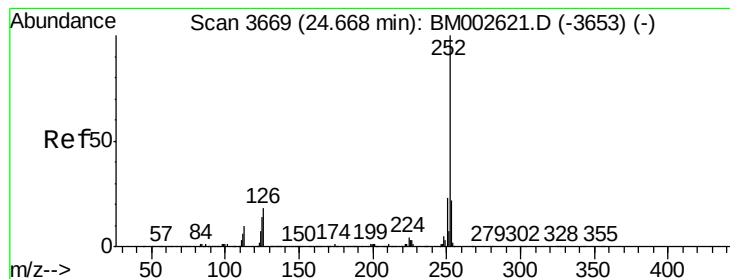


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 19.70 ng/ul

RT: 24.68 min Scan# 3671

Delta R.T. 0.01 min

Lab File: BM002635.D

Acq: 01 Sep 2015 19:10

Instrument :

BNA_M

ClientSampleId :

D9EA8

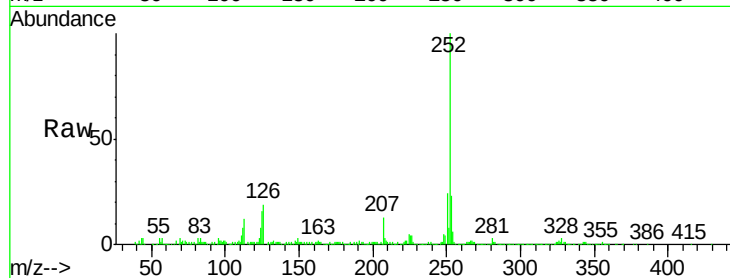
Tgt Ion:252 Resp: 455415

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

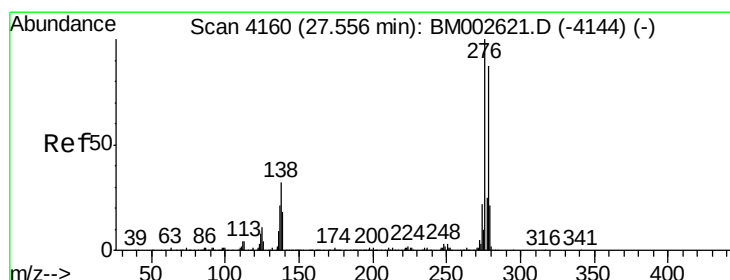
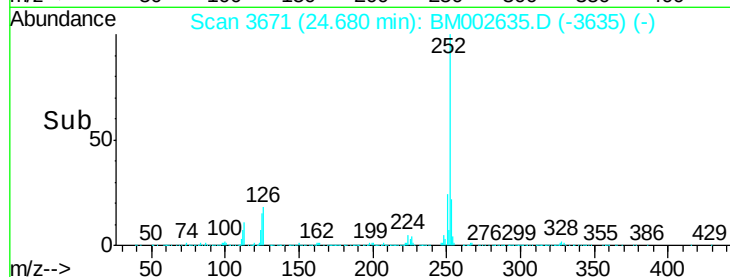
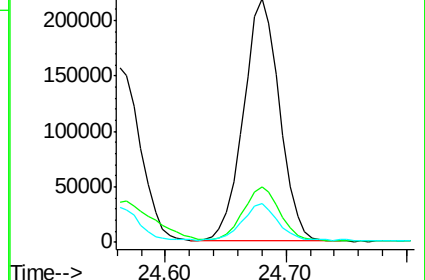
125 15.7 10.7 16.1



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: 11.58 ng/ul

RT: 27.57 min Scan# 4162

Delta R.T. 0.01 min

Lab File: BM002635.D

Acq: 01 Sep 2015 19:10

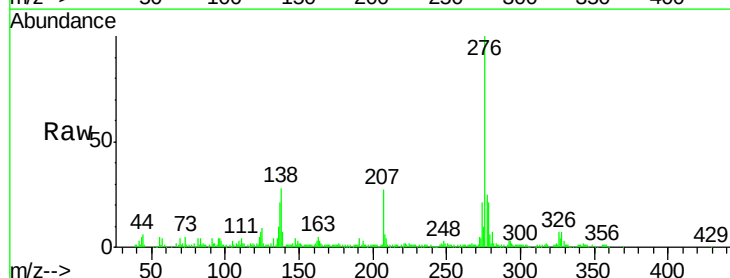
Tgt Ion:276 Resp: 307762

Ion Ratio Lower Upper

276 100

138 28.0 25.3 37.9

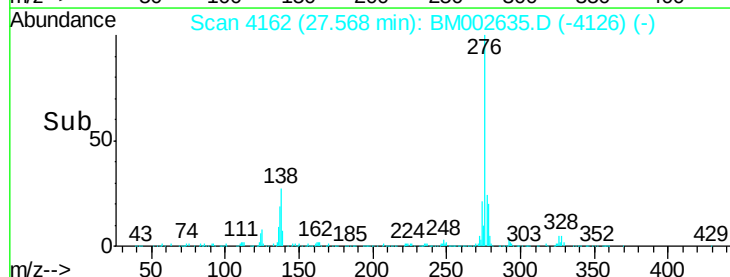
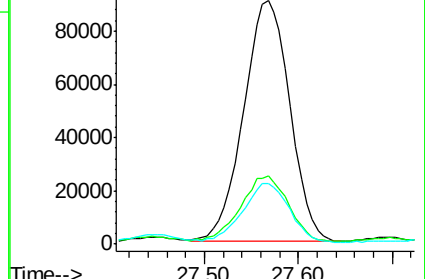
277 24.8 20.2 30.2

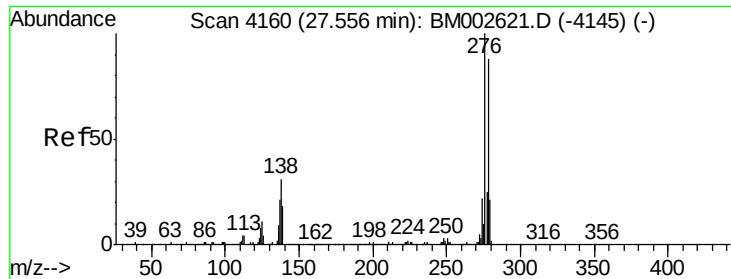


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



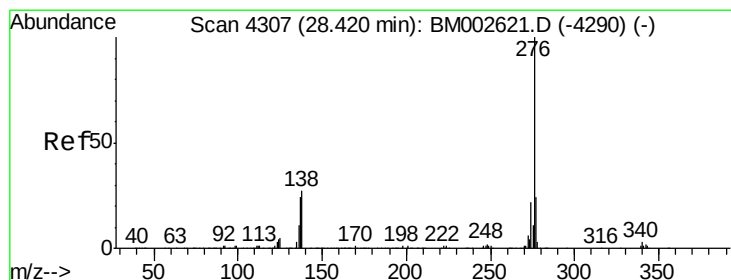
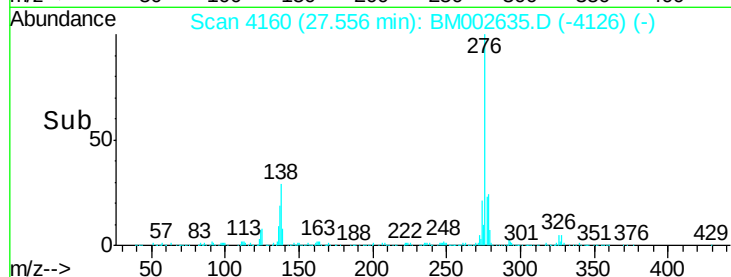
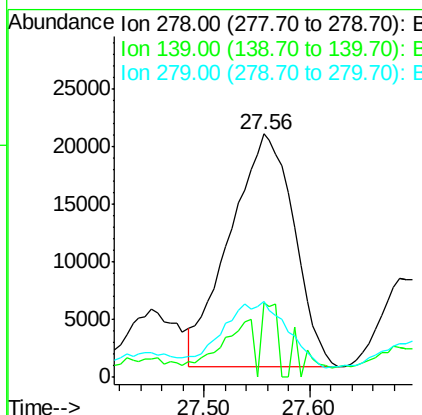
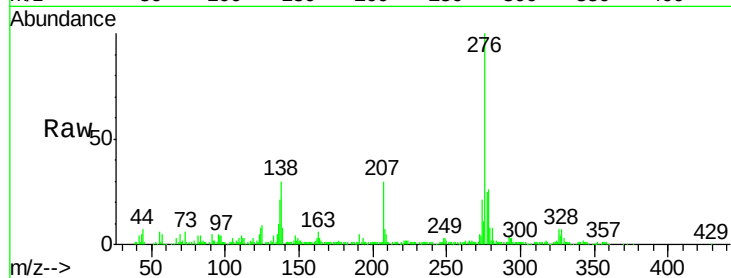


#28
Dibenzo(a,h)anthracene
Concen: 3.83 ng/ul
RT: 27.56 min Scan# 4160
Delta R.T. 0.00 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Instrument :
BNA_M
ClientSampled :
D9EA8

Tgt Ion: 278 Resp: 85174

Ion	Ratio	Lower	Upper
278	100		
139	30.8	16.5	24.7#
279	31.2	18.8	28.2#



#29
Benzo(g,h,i)perylene
Concen: 12.46 ng/ul
RT: 28.44 min Scan# 4310
Delta R.T. 0.02 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Tgt Ion: 276 Resp: 275628

Ion	Ratio	Lower	Upper
276	100		
138	28.9	21.0	31.6
277	25.4	19.2	28.8

