

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081715\
 Data File : BM002461.D
 Acq On : 17 Aug 2015 21:09
 Operator : UM/IZ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 18 03:01:23 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 01:54:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.88	152	141420	20.00	ng/ul	0.00
2) Naphthalene-d8	11.76	136	624573	20.00	ng/ul	0.01
6) Acenaphthene-d10	15.46	164	310245	20.00	ng/ul	0.01
12) Phenanthrene-d10	18.17	188	558200	20.00	ng/ul	0.00
17) Chrysene-d12	22.25	240	374265	20.00	ng/ul	0.01
22) Perylene-d12	24.93	264	367352	20.00	ng/ul	0.02

System Monitoring Compounds

7) Acenaphthylene-d8	15.17	160	634741	20.01	ng/ul	0.01
10) Fluorene-d10	16.43	176	417272	18.73	ng/ul	0.01
14) Anthracene-d10	18.27	188	531878	19.75	ng/ul	0.01
18) Pyrene-d10	20.49	212	408272	24.61	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.76	264	381637	19.78	ng/ul	0.02

Target Compounds

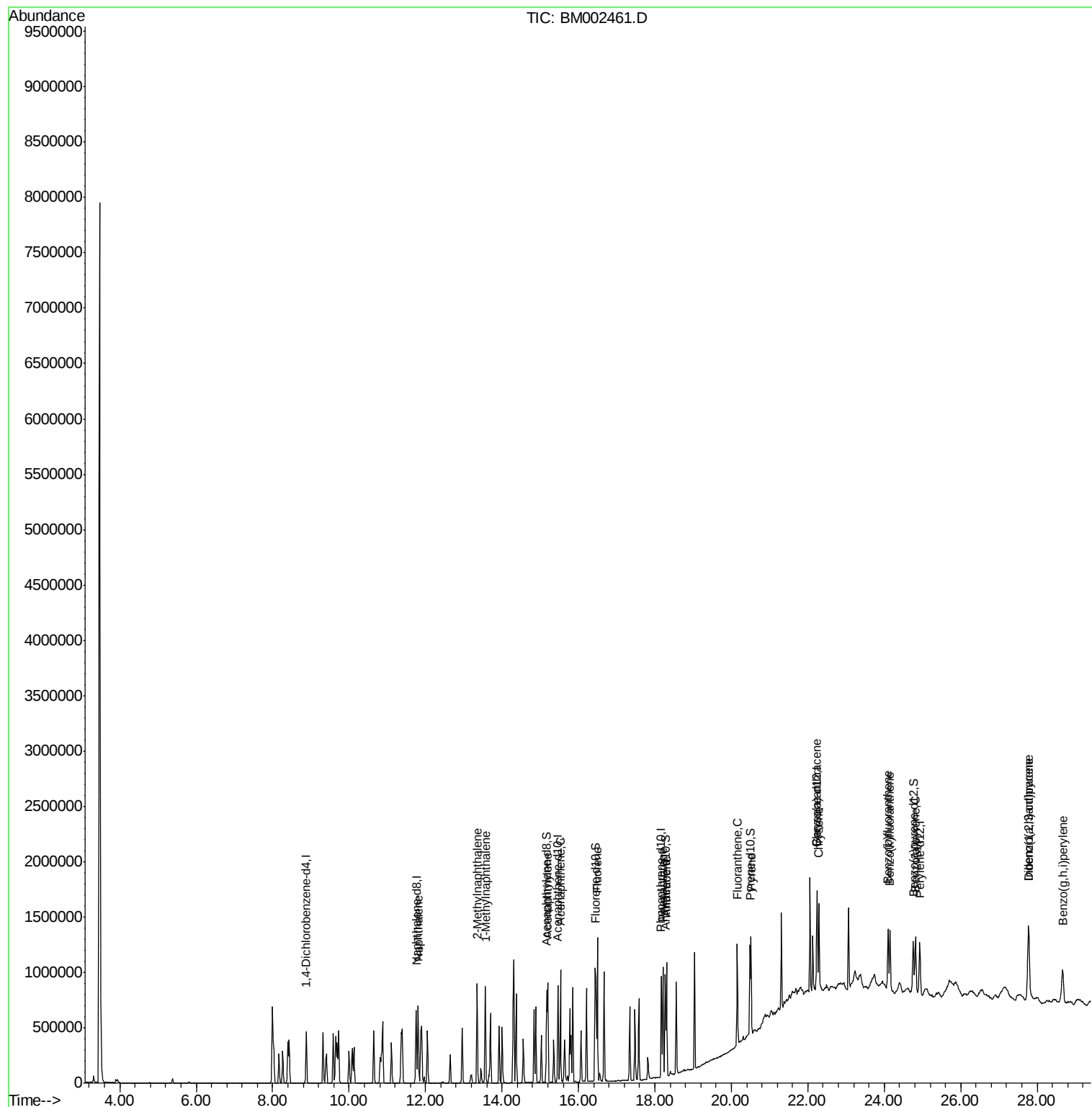
						Ovalue
3) Naphthalene	11.80	128	623370	19.56	ng/ul	99
4) 2-Methylnaphthalene	13.35	142	442548	18.53	ng/ul	98
5) 1-Methylnaphthalene	13.56	142	431105	18.25	ng/ul	100
8) Acenaphthylene	15.20	152	657167	19.79	ng/ul	99
9) Acenaphthene	15.53	153	429121	19.62	ng/ul	99
11) Fluorene	16.49	166	468827	18.71	ng/ul	99
13) Phenanthrene	18.22	178	632502	19.62	ng/ul	99
15) Anthracene	18.30	178	638988	19.56	ng/ul	99
16) Fluoranthene	20.16	202	545015	14.93	ng/ul	100
19) Pyrene	20.52	202	538534	24.56	ng/ul	98
20) Benzo(a)anthracene	22.23	228	443132	19.80	ng/ul	99
21) Chrysene	22.29	228	411014	19.63	ng/ul	99
23) Benzo(b)fluoranthene	24.10	252	435826	19.62	ng/ul	99
24) Benzo(k)fluoranthene	24.16	252	415557	19.75	ng/ul	99
26) Benzo(a)pyrene	24.81	252	421047	19.85	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.78	276	500208	20.50	ng/ul	98
28) Dibenzo(a,h)anthracene	27.78	278	420923	20.64	ng/ul	99
29) Benzo(g,h,i)perylene	28.67	276	419283	20.65	ng/ul	98

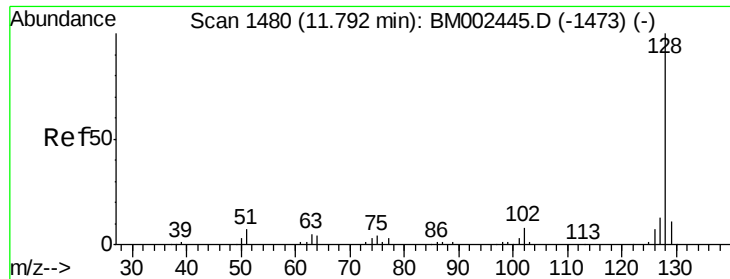
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Naphthalene

Concen: 19.56 ng/ul

RT: 11.80 min Scan# 1482

Delta R.T. 0.01 min

Lab File: BM002461.D

Acq: 17 Aug 2015 21:09

Instrument :

BNA_M

ClientSampleId :

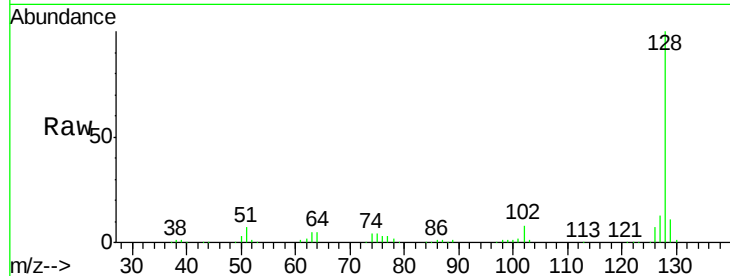
Tot Ion:128 Resp: 623370

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

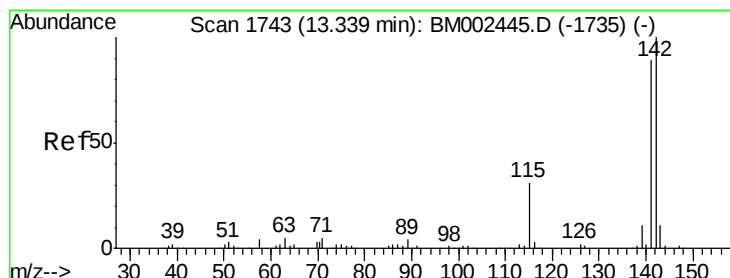
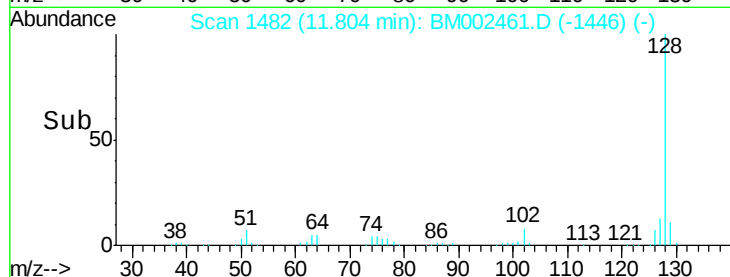
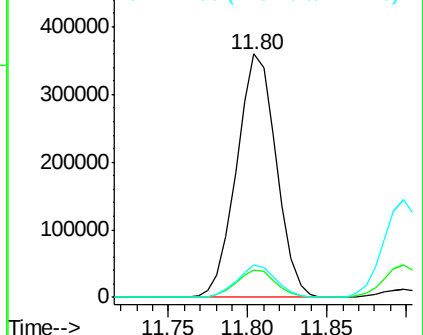
127 13.2 10.4 15.6



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: 18.53 ng/ul

RT: 13.35 min Scan# 1744

Delta R.T. 0.01 min

Lab File: BM002461.D

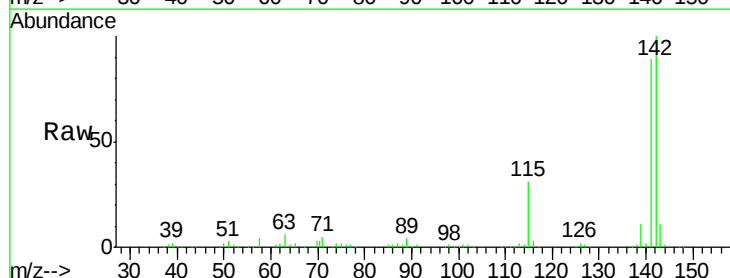
Acq: 17 Aug 2015 21:09

Tgt Ion:142 Resp: 442548

Ion Ratio Lower Upper

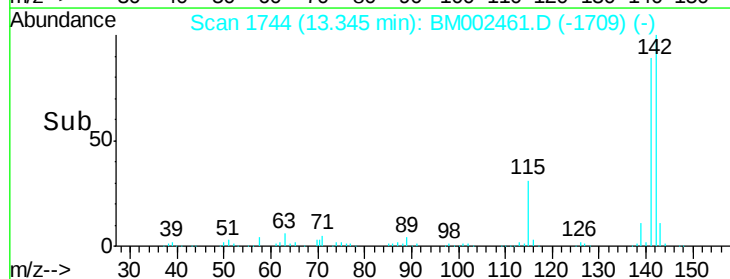
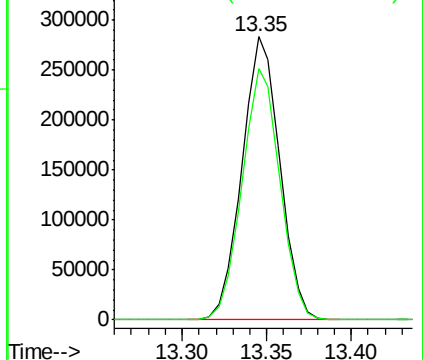
142 100

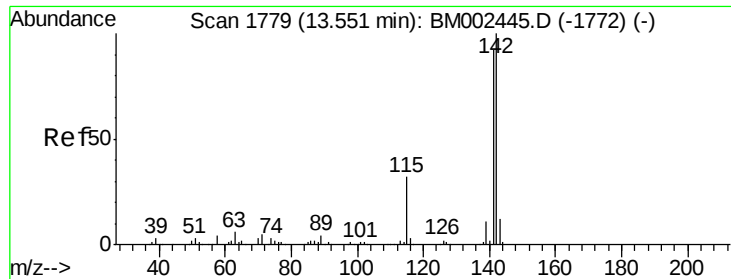
141 88.6 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 18.25 ng/ul

RT: 13.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BM002461.D

Acq: 17 Aug 2015 21:09

Instrument :

BNA_M

ClientSampleId :

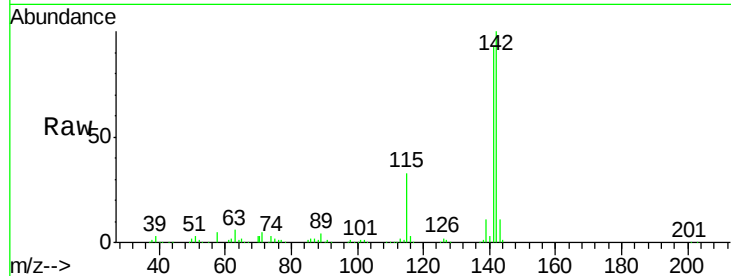
Tot Ion:142 Resp: 431105

Ion Ratio Lower Upper

142 100

141 92.7 73.9 110.9

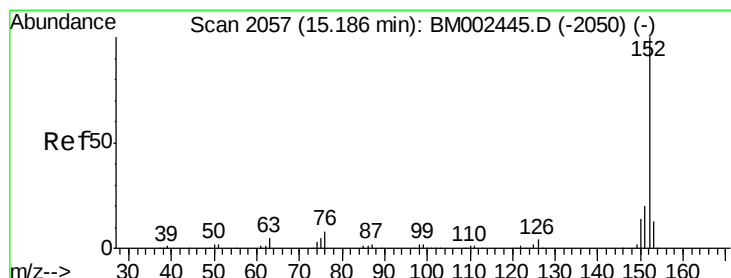
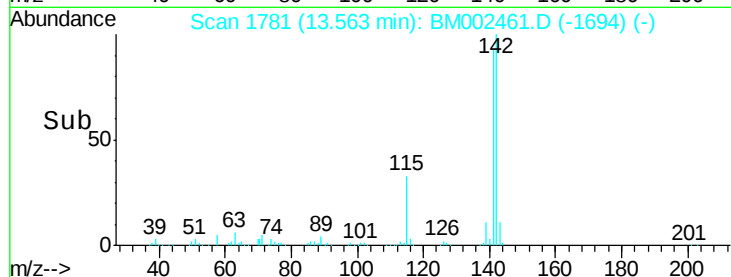
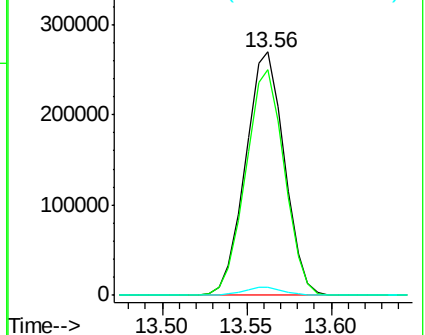
116 3.4 3.0 4.4



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: 19.79 ng/ul

RT: 15.20 min Scan# 2059

Delta R.T. 0.01 min

Lab File: BM002461.D

Acq: 17 Aug 2015 21:09

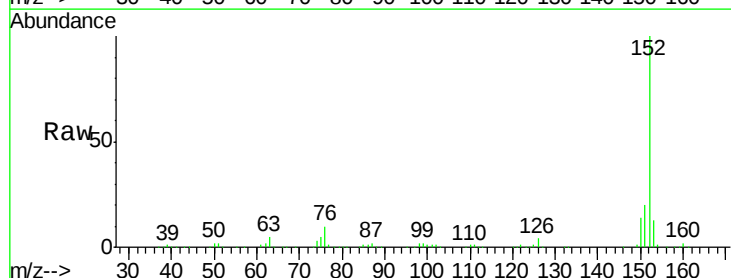
Tgt Ion:152 Resp: 657167

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

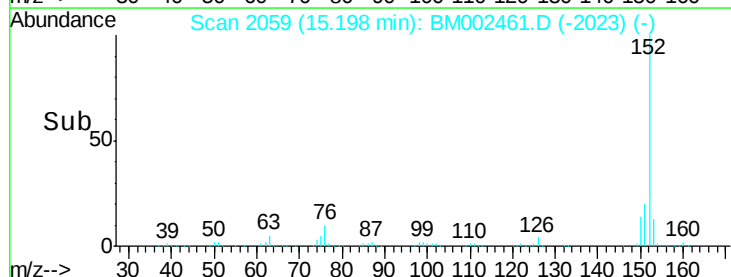
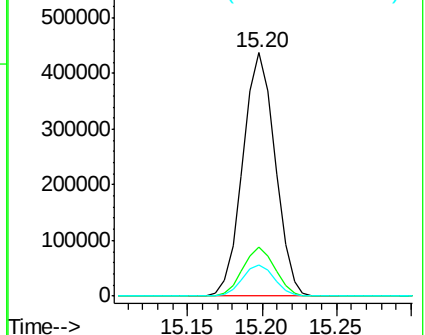
153 12.9 10.2 15.4

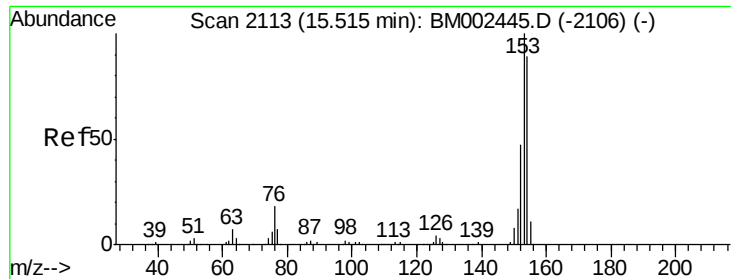


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.62 ng/ul

RT: 15.53 min Scan# 2115

Delta R.T. 0.01 min

Lab File: BM002461.D

Acq: 17 Aug 2015 21:09

Instrument :

BNA_M

ClientSampleId :

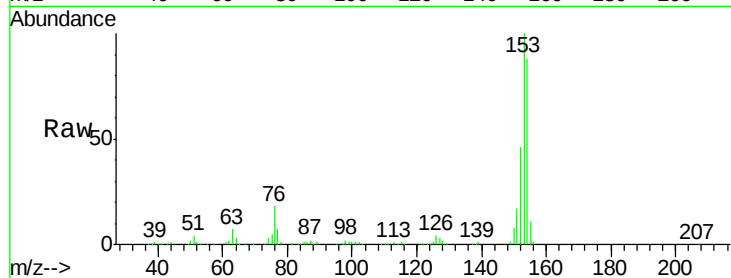
Tot Ion:153 Resp: 429121

Ion Ratio Lower Upper

153 100

152 46.3 36.9 55.3

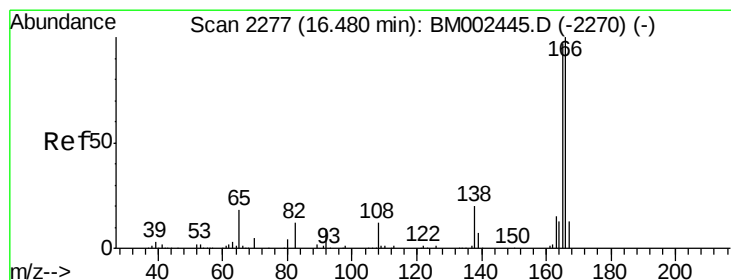
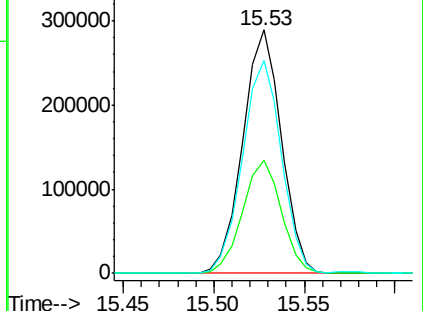
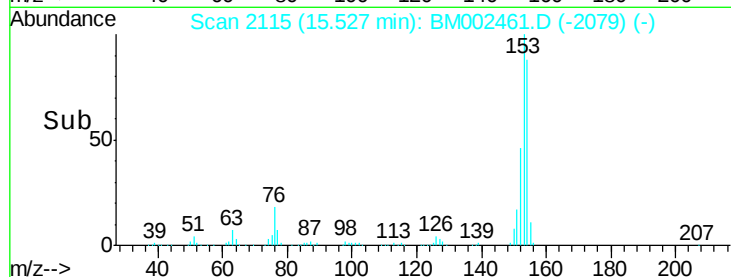
154 87.5 71.3 106.9



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: 18.71 ng/ul

RT: 16.49 min Scan# 2279

Delta R.T. 0.01 min

Lab File: BM002461.D

Acq: 17 Aug 2015 21:09

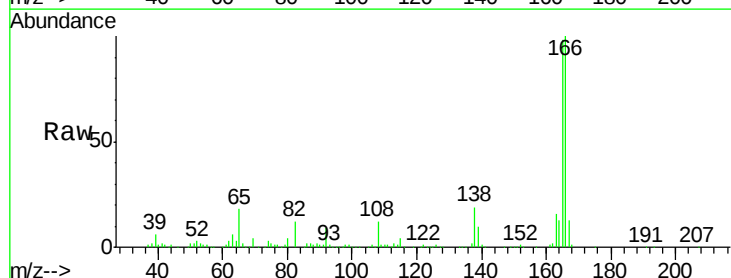
Tgt Ion:166 Resp: 468827

Ion Ratio Lower Upper

166 100

165 97.7 77.6 116.4

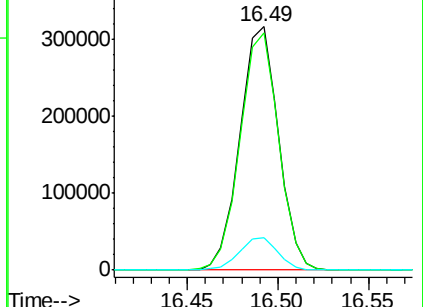
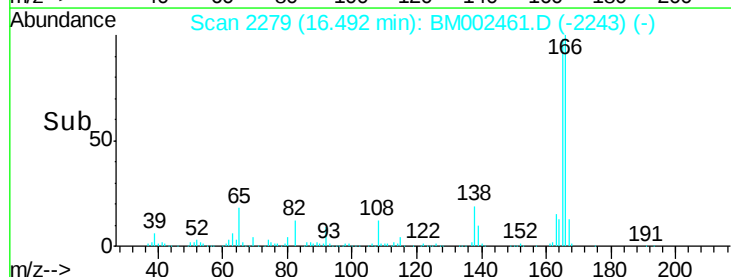
167 13.2 10.7 16.1

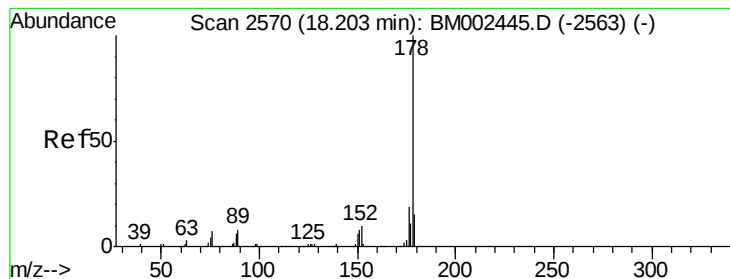


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 19.62 ng/ul

RT: 18.22 min Scan# 2572

Delta R.T. 0.01 min

Lab File: BM002461.D

Acq: 17 Aug 2015 21:09

Instrument :

BNA_M

ClientSampleId :

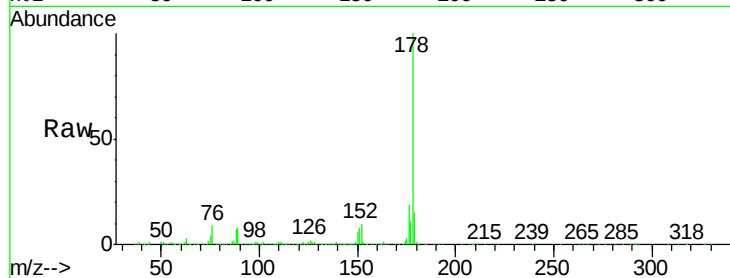
Tot Ion:178 Resp: 632502

Ion Ratio Lower Upper

178 100

179 15.2 12.4 18.6

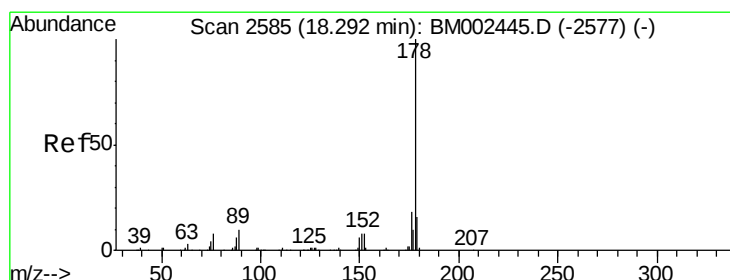
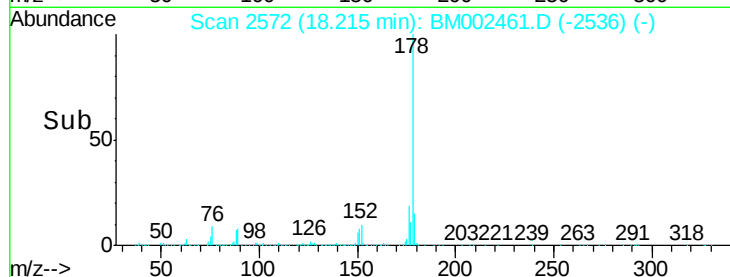
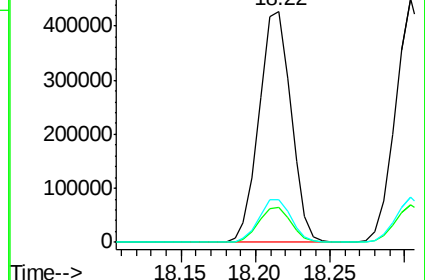
176 18.6 15.1 22.7



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: 19.56 ng/ul

RT: 18.30 min Scan# 2587

Delta R.T. 0.01 min

Lab File: BM002461.D

Acq: 17 Aug 2015 21:09

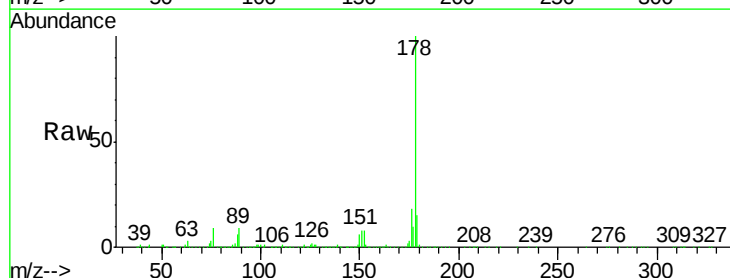
Tgt Ion:178 Resp: 638988

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

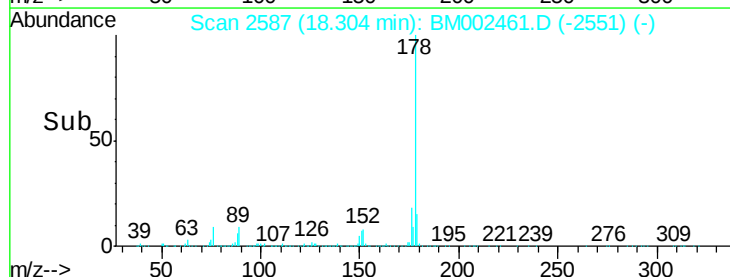
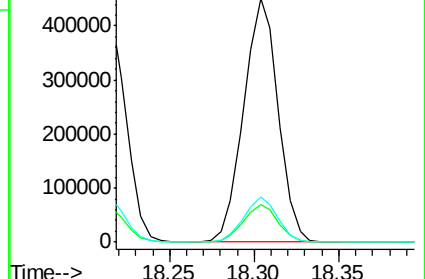
176 18.4 14.5 21.7

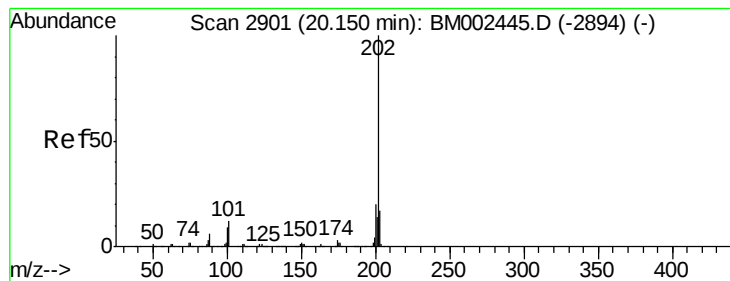


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 14.93 ng/ul

RT: 20.16 min Scan# 2902

Delta R.T. 0.01 min

Lab File: BM002461.D

Acq: 17 Aug 2015 21:09

Instrument :

BNA_M

ClientSampled :

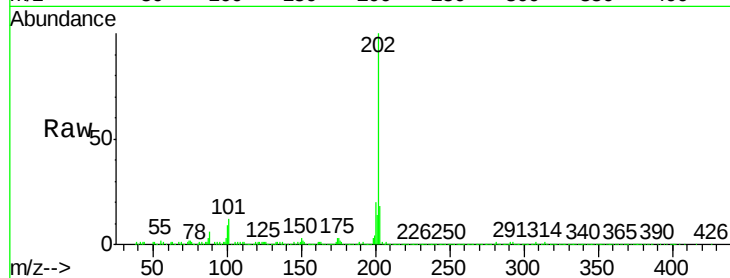
Tot Ion:202 Resp: 545015

Ion Ratio Lower Upper

202 100

101 12.0 9.7 14.5

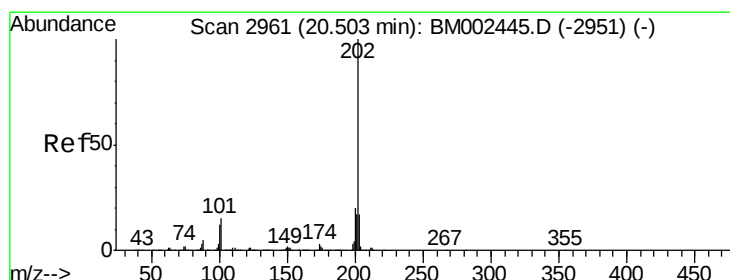
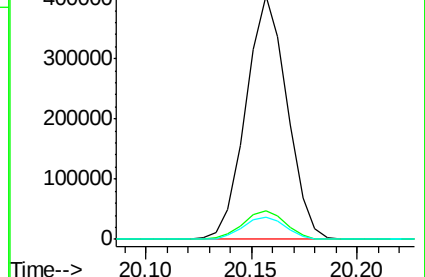
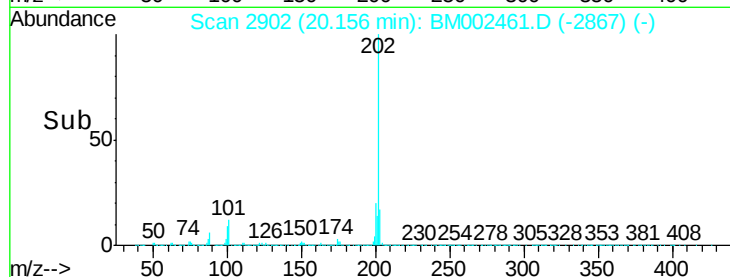
100 9.3 7.4 11.2



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: 24.56 ng/ul

RT: 20.52 min Scan# 2963

Delta R.T. 0.01 min

Lab File: BM002461.D

Acq: 17 Aug 2015 21:09

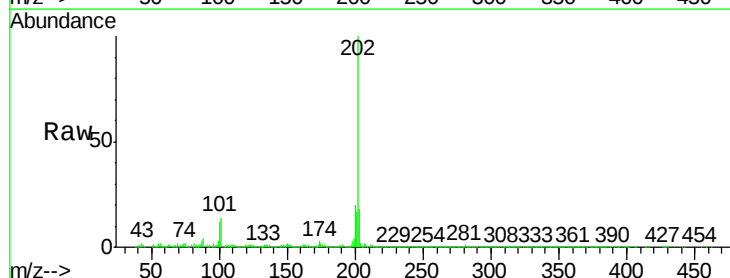
Tgt Ion:202 Resp: 538534

Ion Ratio Lower Upper

202 100

101 14.0 12.0 18.0

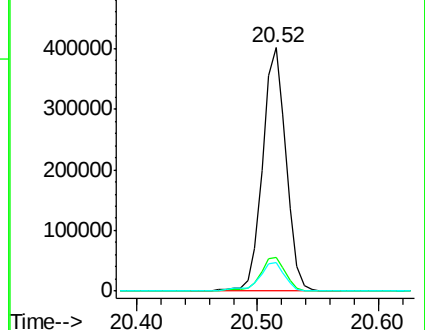
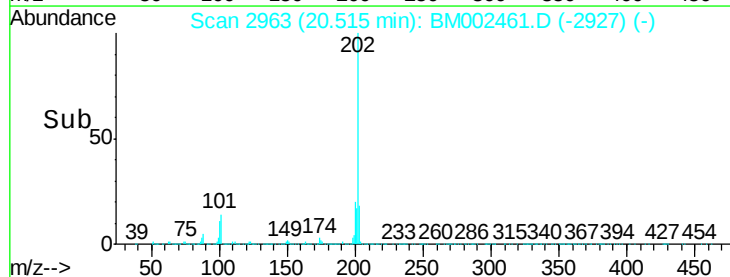
100 11.5 9.7 14.5

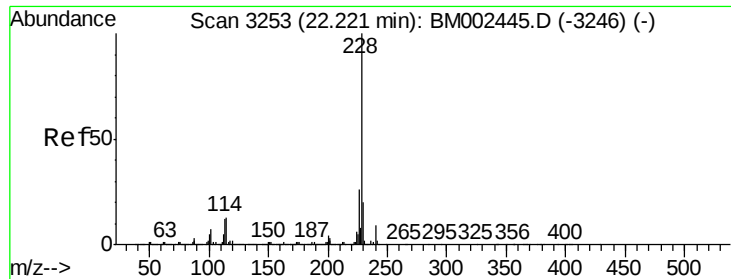


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 19.80 ng/ul

RT: 22.23 min Scan# 3255

Delta R.T. 0.01 min

Lab File: BM002461.D

Acq: 17 Aug 2015 21:09

Instrument :

BNA_M

ClientSampleId :

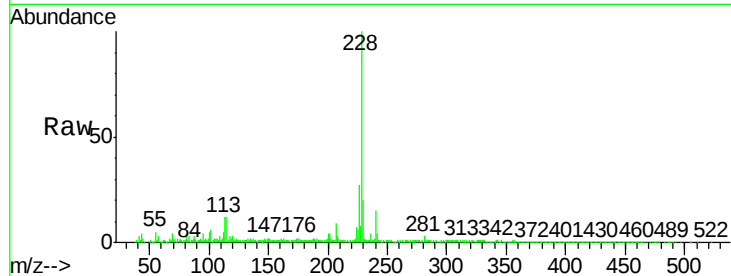
Tot Ion:228 Resp: 443132

Ion Ratio Lower Upper

228 100

229 19.9 15.8 23.6

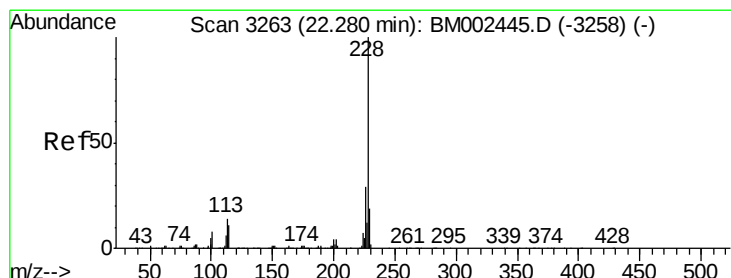
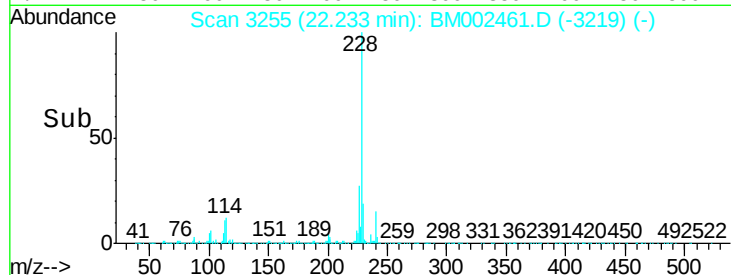
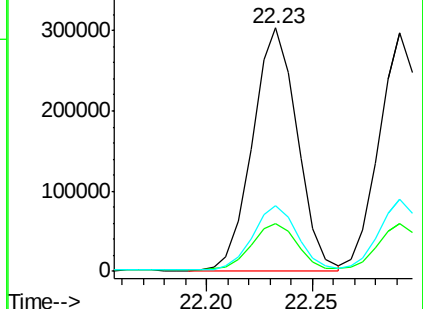
226 27.2 21.1 31.7



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: 19.63 ng/ul

RT: 22.29 min Scan# 3265

Delta R.T. 0.01 min

Lab File: BM002461.D

Acq: 17 Aug 2015 21:09

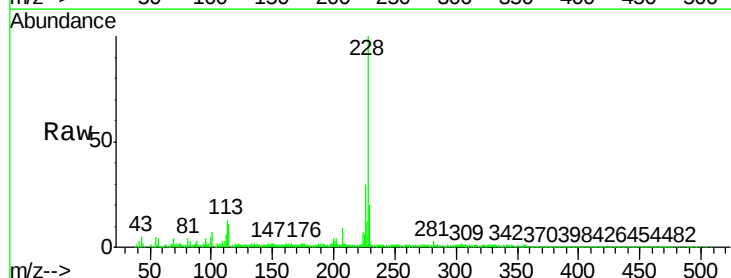
Tgt Ion:228 Resp: 411014

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.2

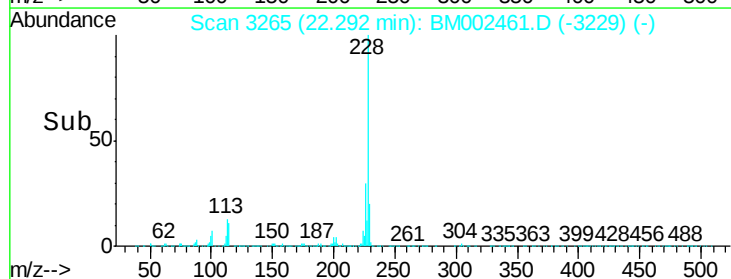
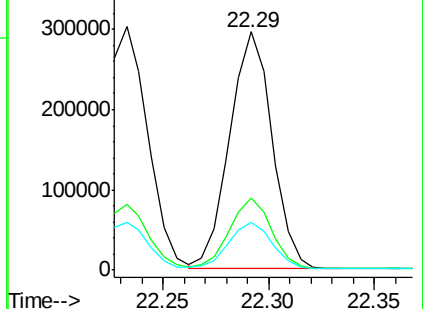
229 20.3 15.7 23.5

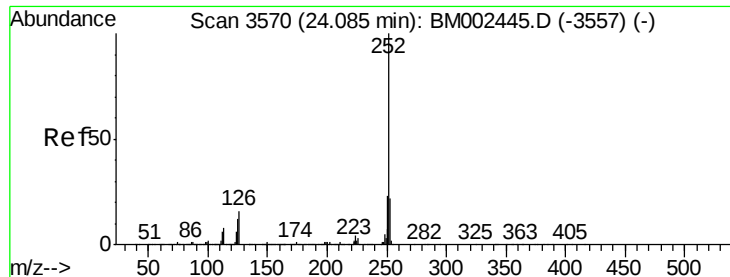


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 19.62 ng/ul

RT: 24.10 min Scan# 3573

Delta R.T. 0.02 min

Lab File: BM002461.D

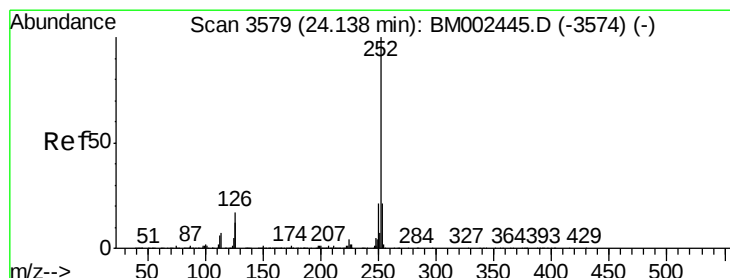
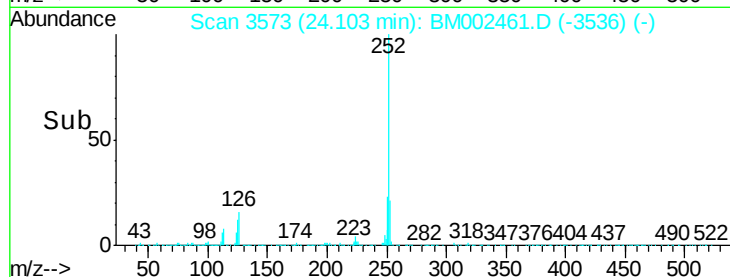
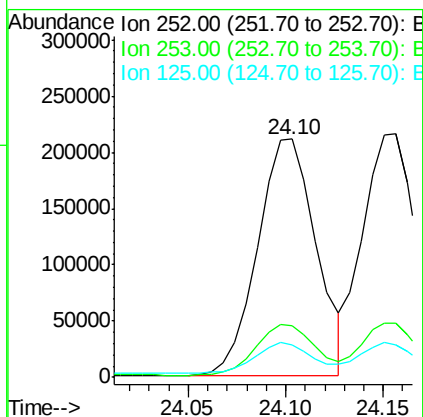
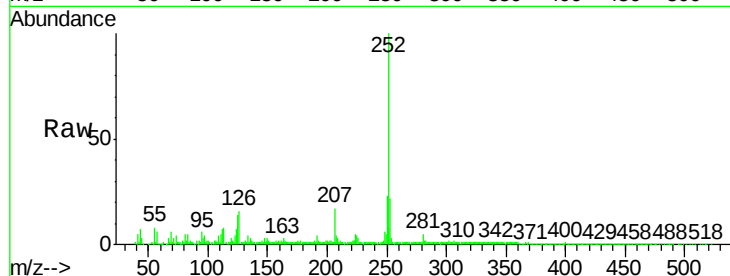
Acq: 17 Aug 2015 21:09

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	252	Resp:	435826
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	13.7	10.0	15.0



#24

Benzo(k)fluoranthene

Concen: 19.75 ng/ul

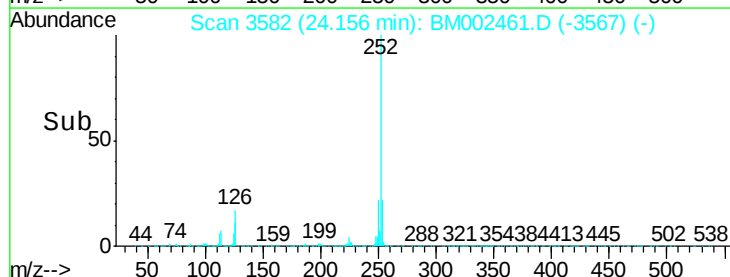
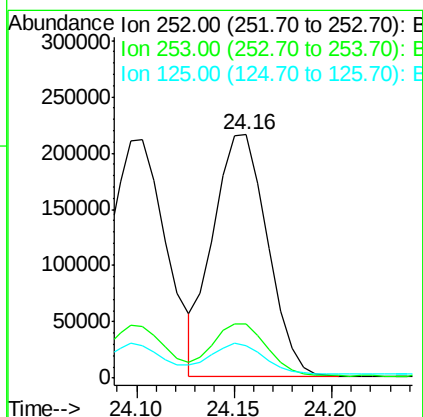
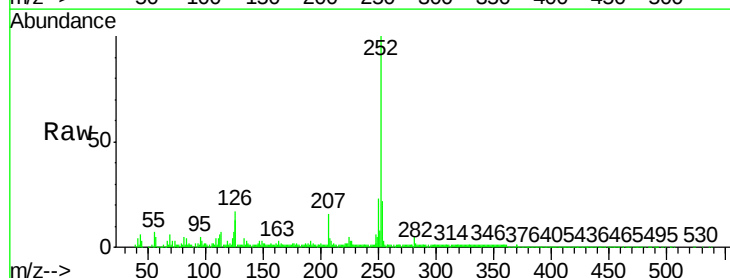
RT: 24.16 min Scan# 3582

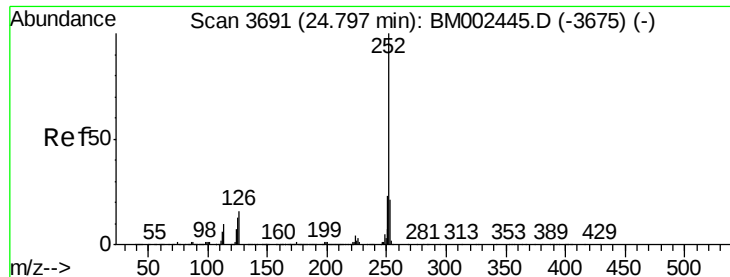
Delta R.T. 0.02 min

Lab File: BM002461.D

Acq: 17 Aug 2015 21:09

Tgt Ion:	252	Resp:	415557
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	13.3	9.8	14.8





#26

Benzo(a)pyrene

Concen: 19.85 ng/ul

RT: 24.81 min Scan# 3694

Delta R.T. 0.02 min

Lab File: BM002461.D

Acq: 17 Aug 2015 21:09

Instrument :

BNA_M

ClientSampleId :

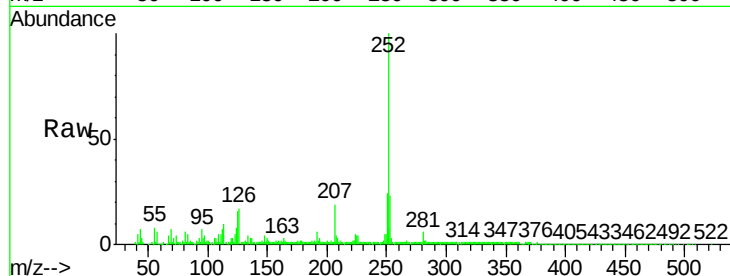
Tot Ion:252 Resp: 421047

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

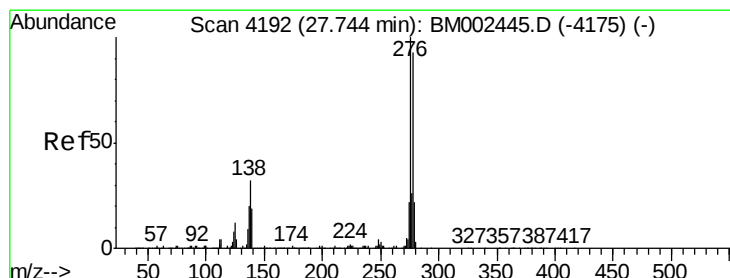
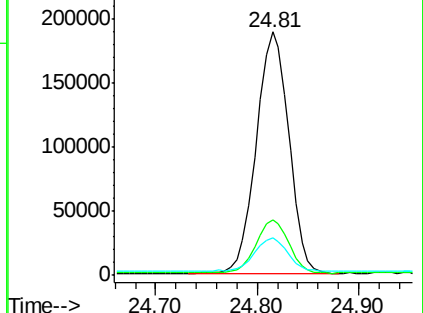
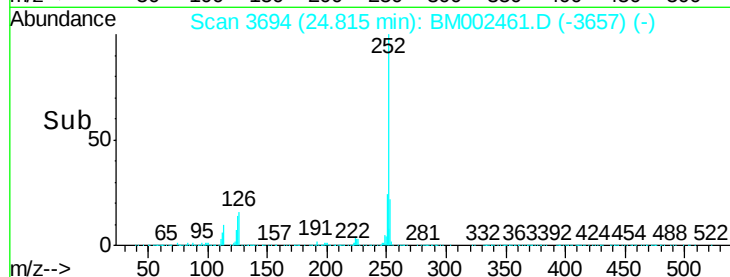
125 15.7 10.7 16.1



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: 20.50 ng/ul

RT: 27.78 min Scan# 4198

Delta R.T. 0.04 min

Lab File: BM002461.D

Acq: 17 Aug 2015 21:09

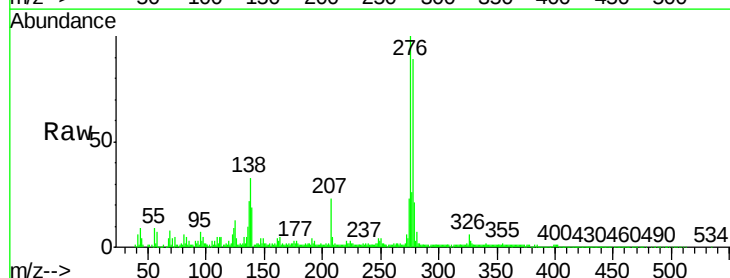
Tgt Ion:276 Resp: 500208

Ion Ratio Lower Upper

276 100

138 32.8 25.3 37.9

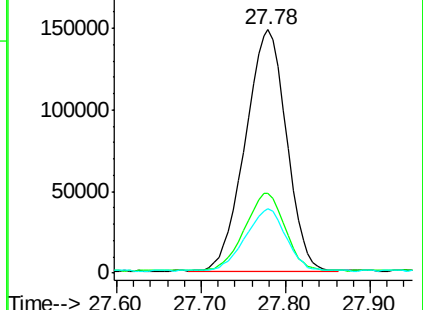
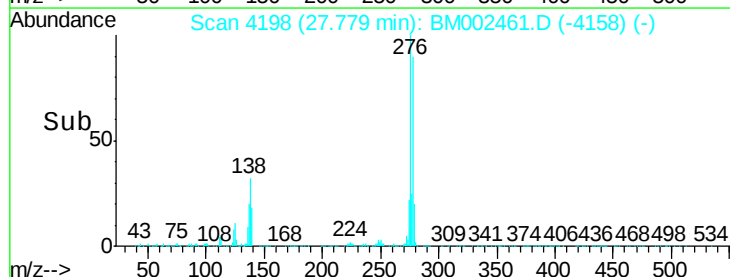
277 26.2 20.2 30.2

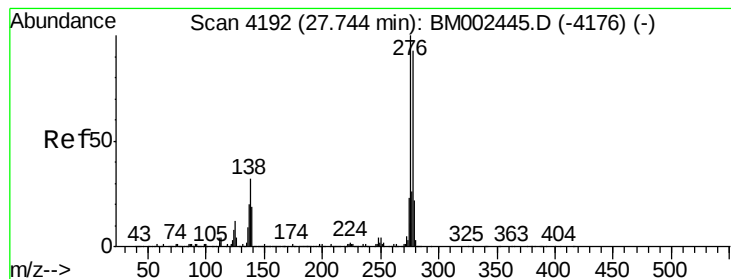


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 20.64 ng/ul

RT: 27.78 min Scan# 4198

Delta R.T. 0.04 min

Lab File: BM002461.D

Acq: 17 Aug 2015 21:09

Instrument :

BNA_M

ClientSampleId :

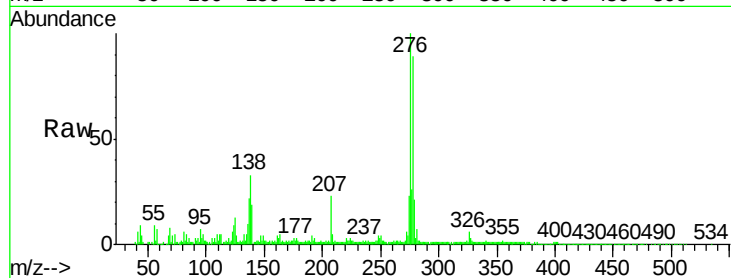
Tot Ion:278 Resp: 420923

Ion Ratio Lower Upper

278 100

139 21.1 16.5 24.7

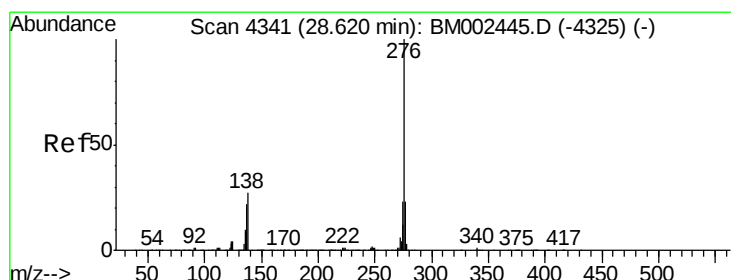
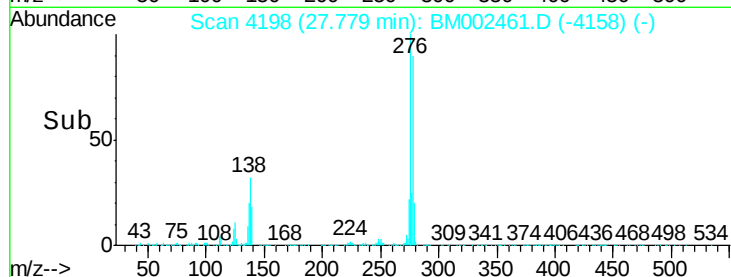
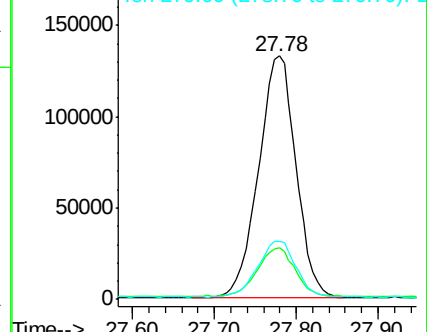
279 23.7 18.8 28.2



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: 20.65 ng/ul

RT: 28.67 min Scan# 4349

Delta R.T. 0.05 min

Lab File: BM002461.D

Acq: 17 Aug 2015 21:09

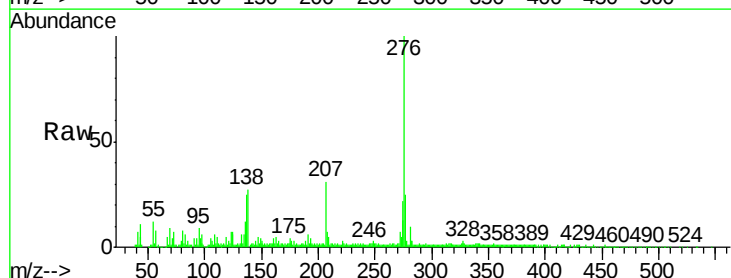
Tgt Ion:276 Resp: 419283

Ion Ratio Lower Upper

276 100

138 26.8 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

