

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092915\
 Data File : BM002799.D
 Acq On : 01 Oct 2015 01:37
 Operator : UM/IZ
 Sample : G3798-23
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G75

Quant Time: Oct 01 07:10:58 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 01 07:01:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	75051	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	301446	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.30	164	140248	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.01	188	268883	20.00	ng/ul	0.00
78) Chrysene-d12	22.10	240	279991	20.00	ng/ul	0.00
86) Perylene-d12	24.70	264	305327	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	3688	2.28	ng/uL	0.00
5) Phenol-d5	7.82	99	83960	14.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	49358	15.43	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	77980	14.73	ng/ul	0.00
13) 4-Methylphenol-d8	9.40	113	61220	13.06	ng/ul	0.00
19) Nitrobenzene-d5	9.89	128	37336	16.24	ng/ul	0.00
22) 2-Nitrophenol-d4	10.63	143	38123	15.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.17	165	63290	14.93	ng/ul	0.00
29) 4-Chloroaniline-d4	11.69	131	70341	13.78	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	185935	17.62	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	240527	17.08	ng/ul	0.00
52) 4-Nitrophenol-d4	15.48	143	22427	11.97	ng/ul	0.00
58) Fluorene-d10	16.27	176	159551	16.79	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.40	200	4892	3.73	ng/ul	0.00
71) Anthracene-d10	18.11	188	225488	17.57	ng/ul	0.00
79) Pyrene-d10	20.34	212	223483	17.10	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.53	264	266786	17.08	ng/ul	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.46	88	11077	6.20	ng/uL#	1
28) Naphthalene	11.61	128	18316	1.19	ng/ul	97
45) Dimethylphthalate	14.72	163	121771	11.35	ng/ul	99
48) Acenaphthylene	15.03	152	21345	1.44	ng/ul	99
50) Acenaphthene	15.36	153	56467	5.76	ng/ul	98
54) Dibenzofuran	15.69	168	44149	3.32	ng/ul	99
59) Fluorene	16.33	166	74600	6.84	ng/ul	100
70) Phenanthrene	18.06	178	1364133	87.70	ng/ul	99
72) Anthracene	18.14	178	211025	13.33	ng/ul	99
75) Carbazole	18.40	167	130260	9.42	ng/ul	100
77) Fluoranthene	20.02	202	2432190	151.45	ng/ul	99
80) Pyrene	20.37	202	1856831	104.40	ng/ul	99
83) Benzo(a)anthracene	22.08	228	925206	55.59	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.92	149	51211	4.26	ng/ul	99
85) Chrysene	22.14	228	1027541	65.45	ng/ul	96
88) Benzo(b)fluoranthene	23.90	252	1356390	73.95	ng/ul	98
89) Benzo(k)fluoranthene	23.90	252	340665	19.62	ng/ul	97
91) Benzo(a)pyrene	24.59	252	890226	50.53	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	27.44	276	691080	33.62	ng/ul#	92
93) Dibenzo(a,h)anthracene	27.32	278	24668	1.42	ng/ul	95
94) Benzo(g,h,i)perylene	28.30	276	587032	33.92	ng/ul	98

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092915\
Data File : BM002799.D
Acq On : 01 Oct 2015 01:37
Operator : UM/IZ
Sample : G3798-23
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9G75

Quant Time: Oct 01 07:10:58 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 01 07:01:42 2015
Response via : Initial Calibration

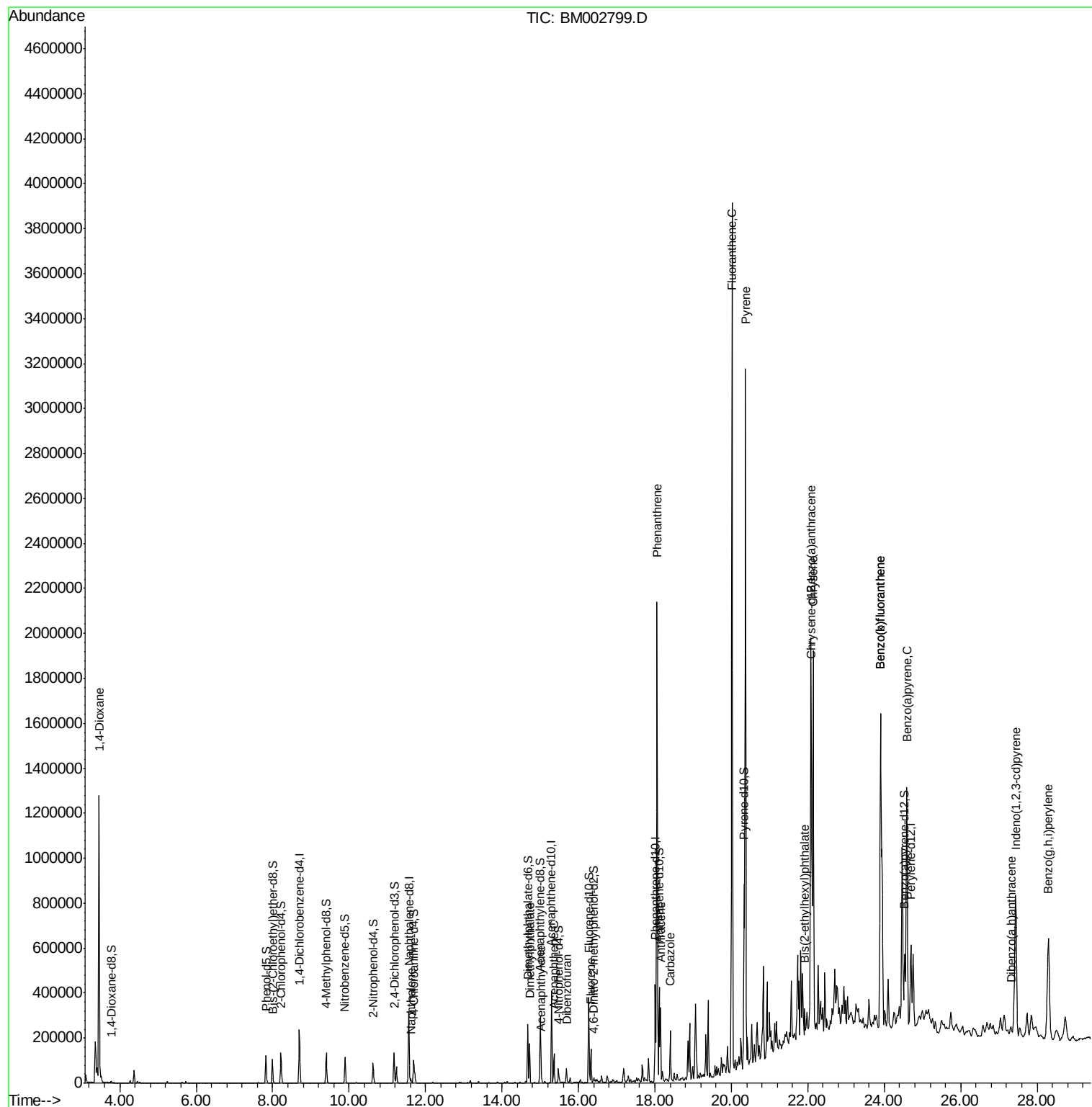
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

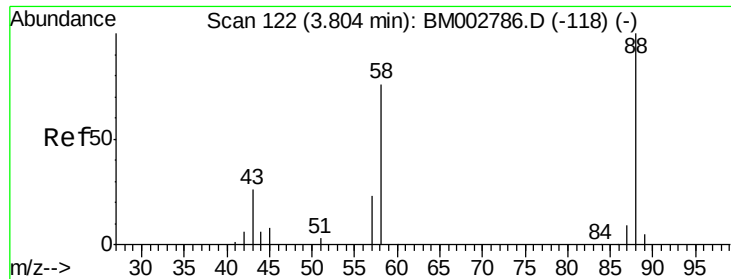
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092915\
Data File : BM002799.D
Acq On : 01 Oct 2015 01:37
Operator : UM/IZ
Sample : G3798-23
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9G75

Quant Time: Oct 01 07:10:58 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 01 07:01:42 2015
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 6.20 ng/uL

RT: 3.46 min Scan# 63

Delta R.T. -0.35 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

Instrument :

BNA_M

ClientSampleId :

D9G75

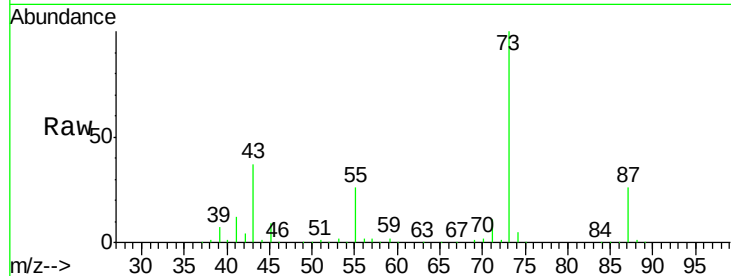
Tgt Ion: 88 Resp: 11077

Ion Ratio Lower Upper

88 100

43 2503.7 26.2 39.4#

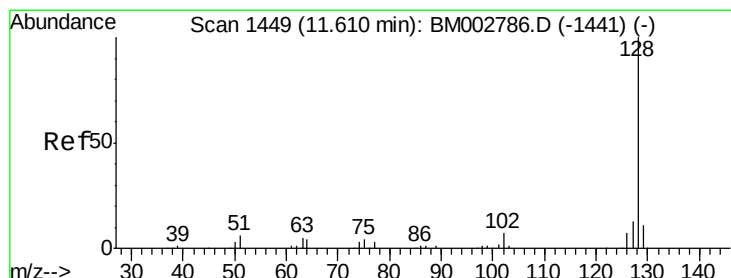
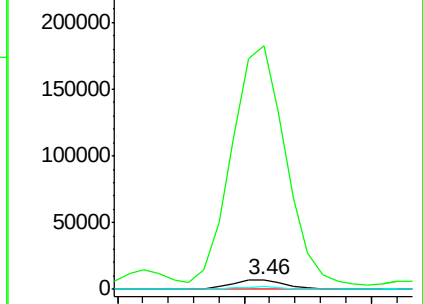
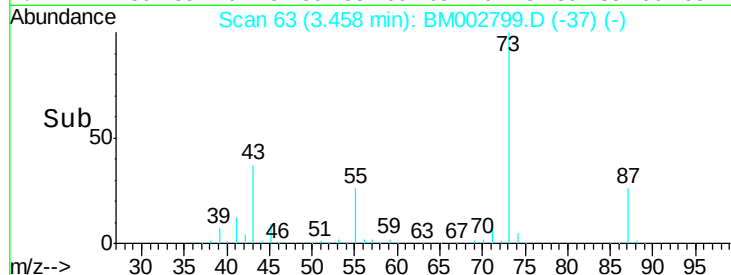
58 22.0 58.5 87.7#



Abundance Ion 88.00 (87.70 to 88.70): BM002786.D (-118) (-)

Ion 43.00 (42.70 to 43.70): BM002786.D (-118) (-)

Ion 58.00 (57.70 to 58.70): BM002786.D (-118) (-)



#28

Naphthalene

Concen: 1.19 ng/uL

RT: 11.61 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

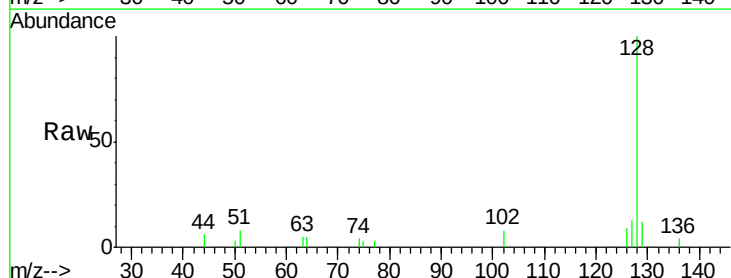
Tgt Ion: 128 Resp: 18316

Ion Ratio Lower Upper

128 100

129 12.4 8.7 13.1

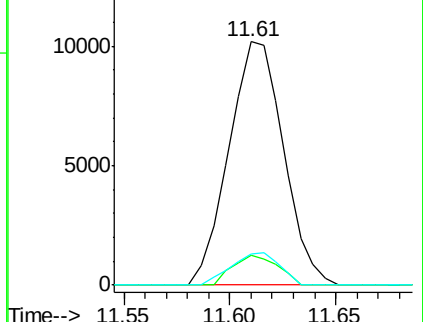
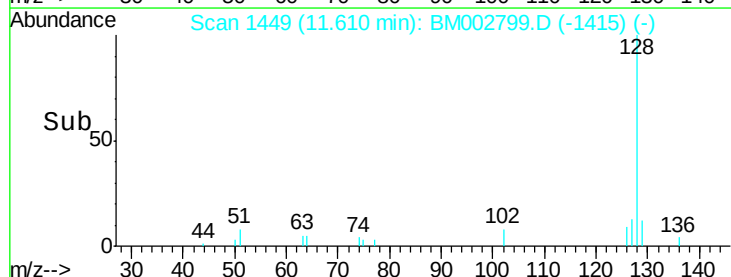
127 12.9 9.9 14.9

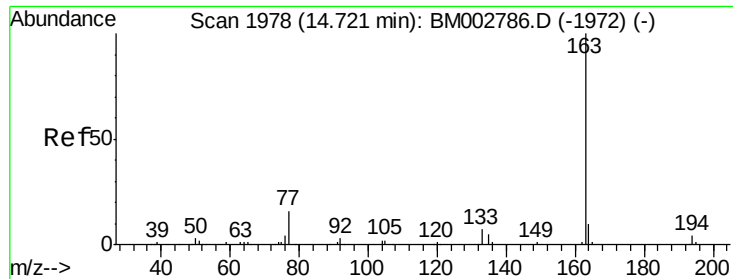


Abundance Ion 128.00 (127.70 to 128.70): BM002786.D (-1441) (-)

Ion 129.00 (128.70 to 129.70): BM002786.D (-1441) (-)

Ion 127.00 (126.70 to 127.70): BM002786.D (-1441) (-)

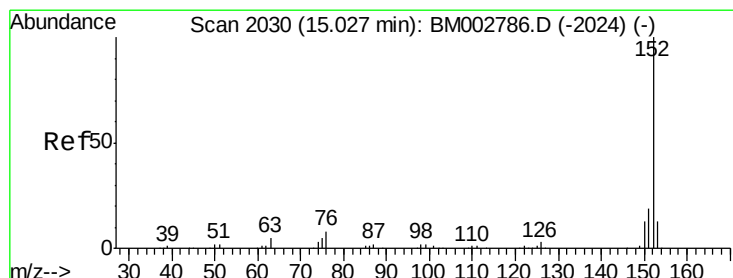
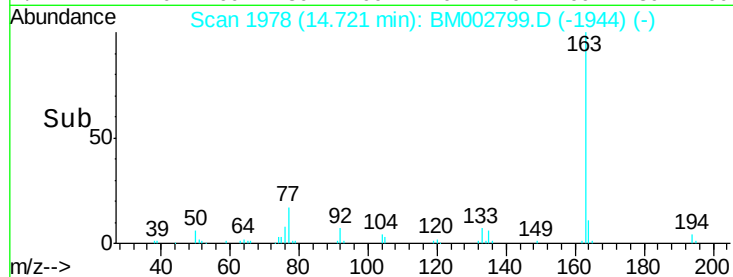
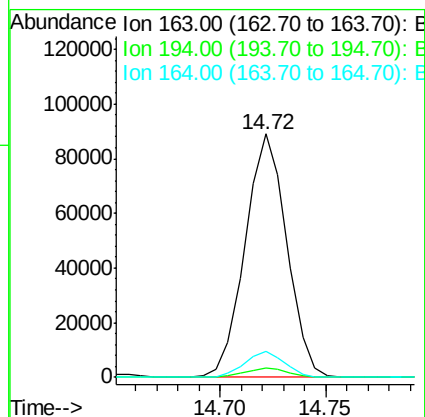
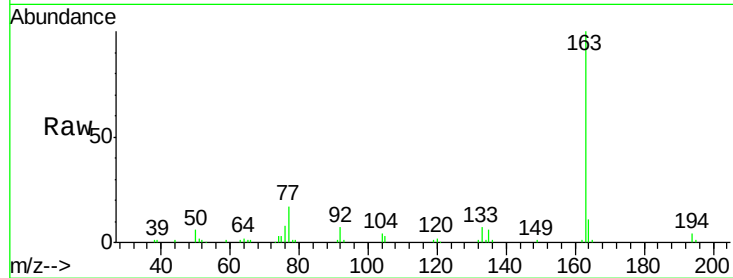




#45
Dimethylphthalate
Concen: 11.35 ng/ul
RT: 14.72 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BM002799.D
Acq: 01 Oct 2015 01:37

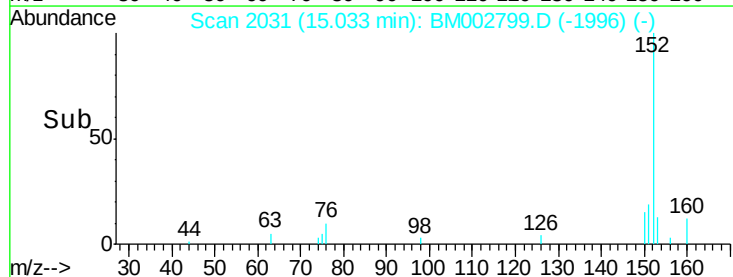
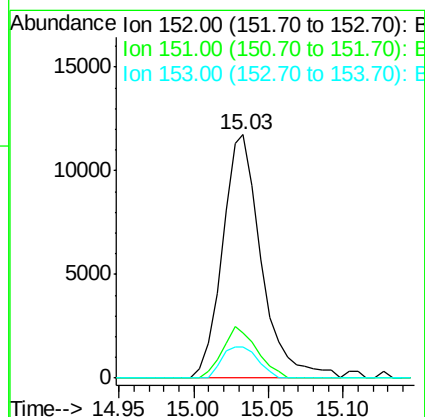
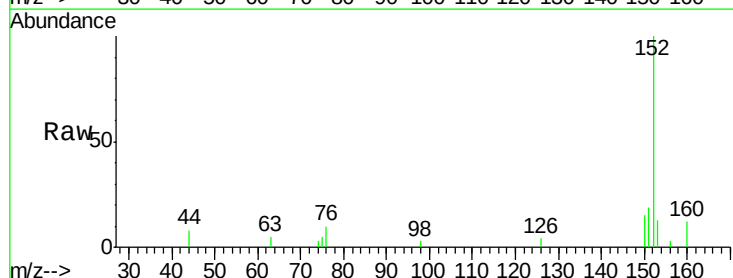
Instrument :
BNA_M
ClientSampleId :
D9G75

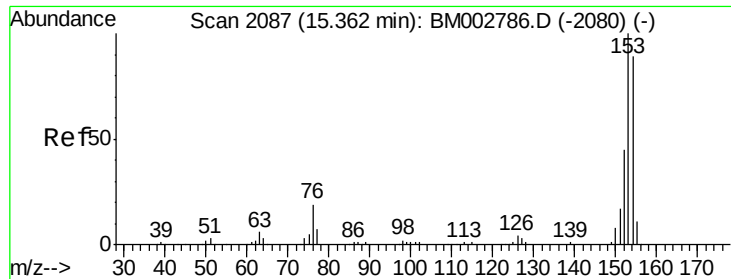
Tgt Ion:163 Resp: 121771
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 10.5 8.1 12.1



#48
Acenaphthylene
Concen: 1.44 ng/ul
RT: 15.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BM002799.D
Acq: 01 Oct 2015 01:37

Tgt Ion:152 Resp: 21345
Ion Ratio Lower Upper
152 100
151 18.8 15.6 23.4
153 13.0 10.4 15.6





#50

Acenaphthene

Concen: 5.76 ng/ul

RT: 15.36 min Scan# 2087

Delta R.T. 0.00 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

Instrument :

BNA_M

ClientSampleId :

D9G75

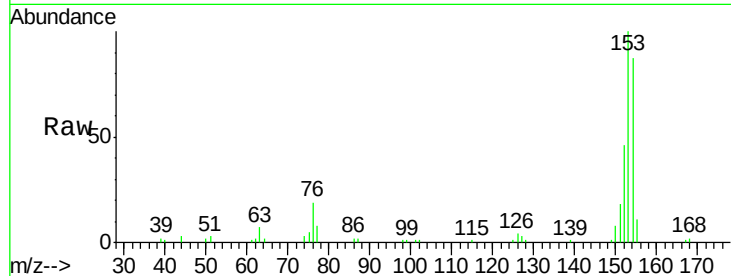
Tgt Ion:153 Resp: 56467

Ion Ratio Lower Upper

153 100

152 46.3 37.2 55.8

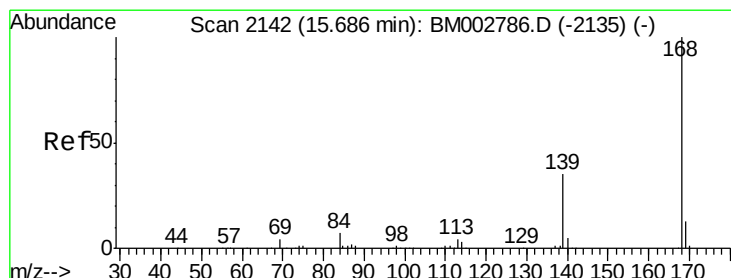
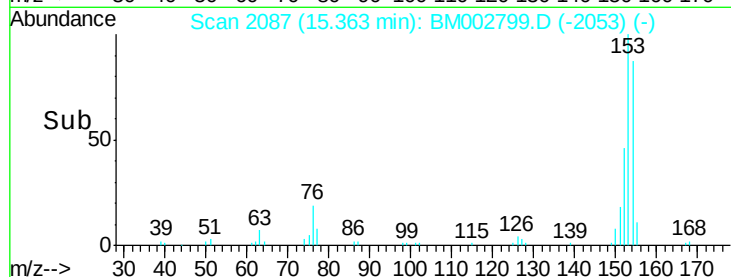
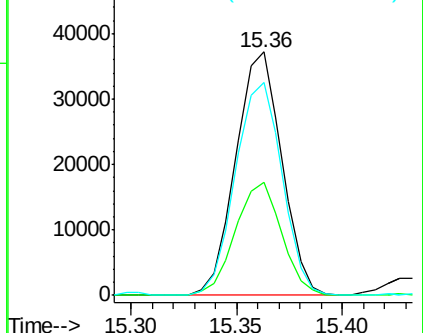
154 87.3 71.9 107.9



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



#54

Dibenzofuran

Concen: 3.32 ng/ul

RT: 15.69 min Scan# 2142

Delta R.T. 0.00 min

Lab File: BM002799.D

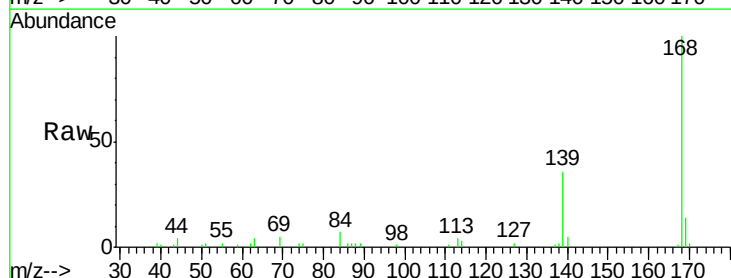
Acq: 01 Oct 2015 01:37

Tgt Ion:168 Resp: 44149

Ion Ratio Lower Upper

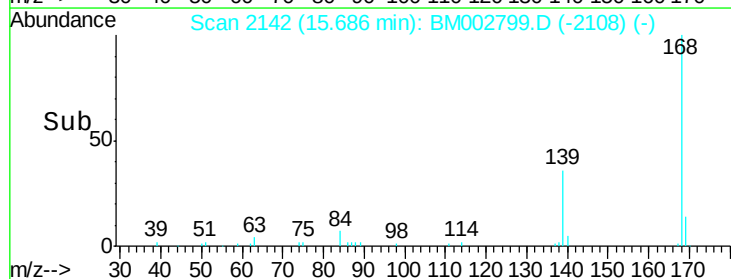
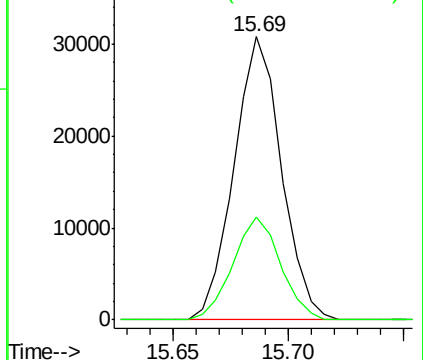
168 100

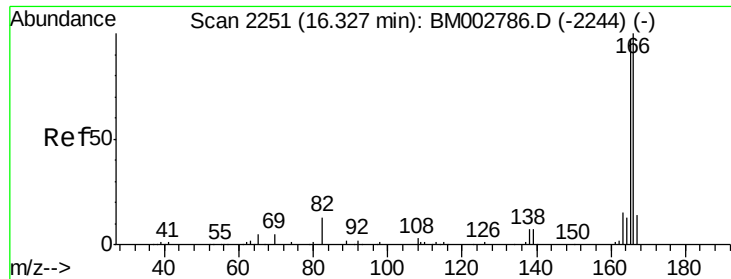
139 36.4 28.7 43.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 6.84 ng/ul

RT: 16.33 min Scan# 2251

Delta R.T. 0.00 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

Instrument :

BNA_M

ClientSampleId :

D9G75

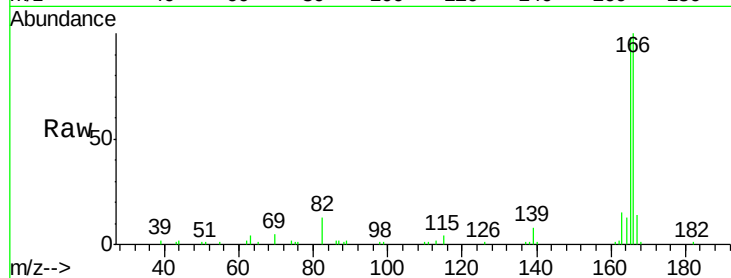
Tgt Ion:166 Resp: 74600

Ion Ratio Lower Upper

166 100

165 97.6 78.0 117.0

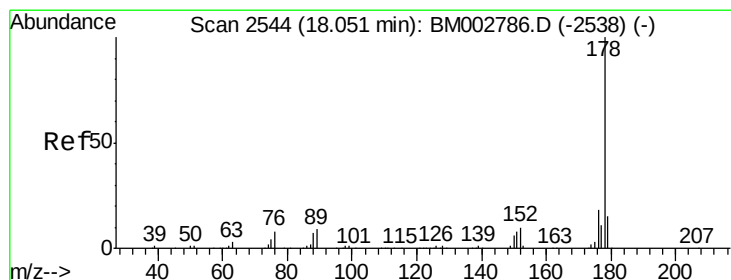
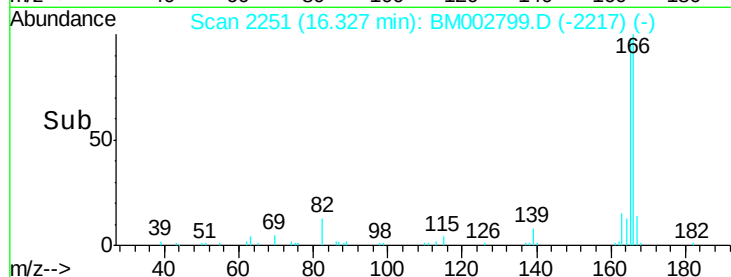
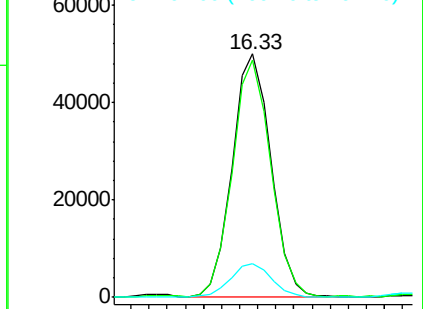
167 14.0 10.6 16.0



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



#70

Phenanthrene

Concen: 87.70 ng/ul

RT: 18.06 min Scan# 2545

Delta R.T. 0.01 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

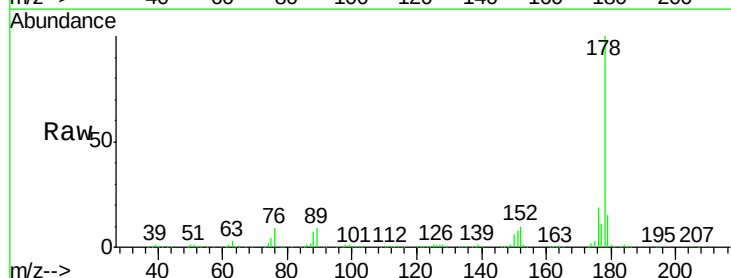
Tgt Ion:178 Resp: 1364133

Ion Ratio Lower Upper

178 100

179 15.4 12.0 18.0

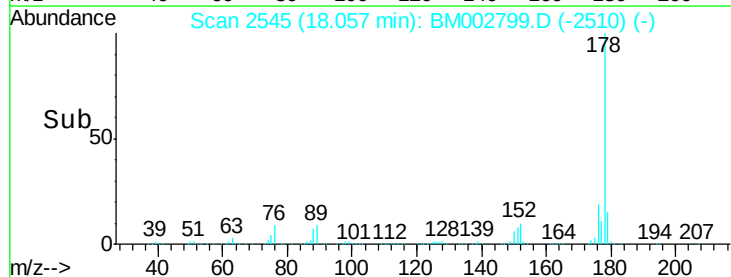
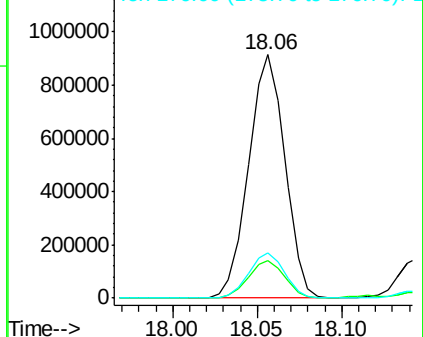
176 18.8 14.6 22.0

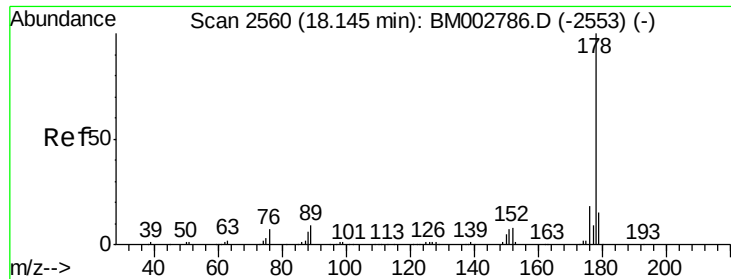


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 13.33 ng/ul

RT: 18.14 min Scan# 2560

Delta R.T. 0.00 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

Instrument :

BNA_M

ClientSampleId :

D9G75

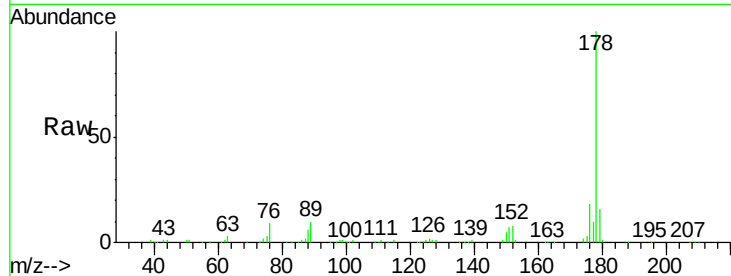
Tgt Ion:178 Resp: 211025

Ion Ratio Lower Upper

178 100

179 15.5 11.9 17.9

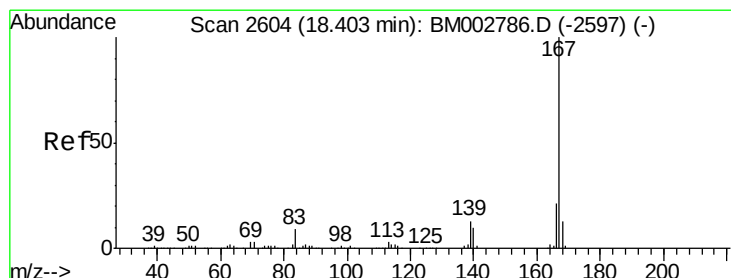
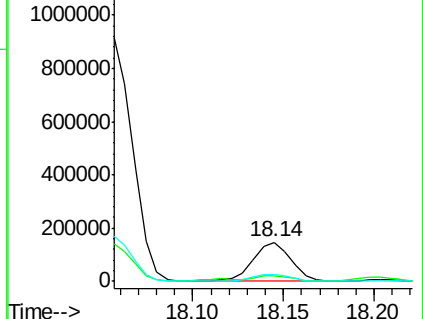
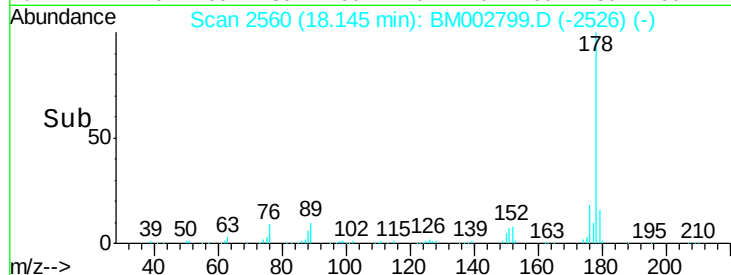
176 17.5 14.4 21.6



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



#75

Carbazole

Concen: 9.42 ng/ul

RT: 18.40 min Scan# 2604

Delta R.T. 0.00 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

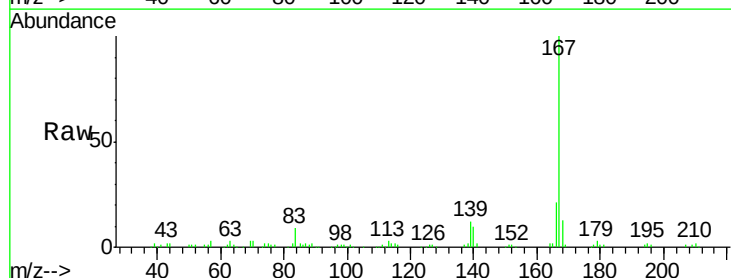
Tgt Ion:167 Resp: 130260

Ion Ratio Lower Upper

167 100

166 21.1 16.8 25.2

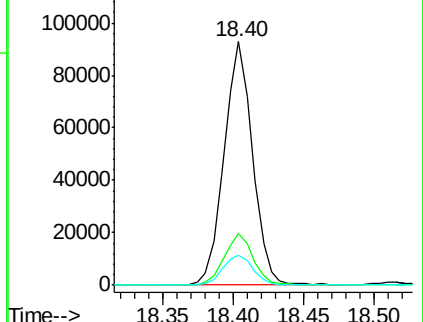
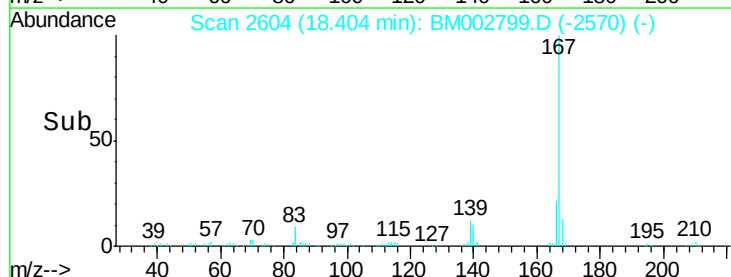
139 12.4 10.1 15.1

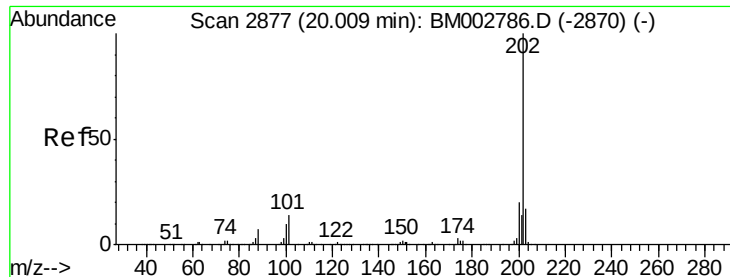


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

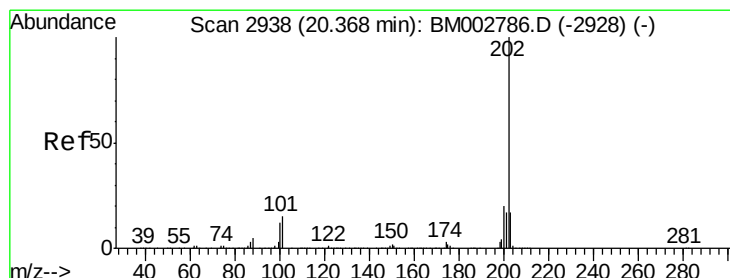
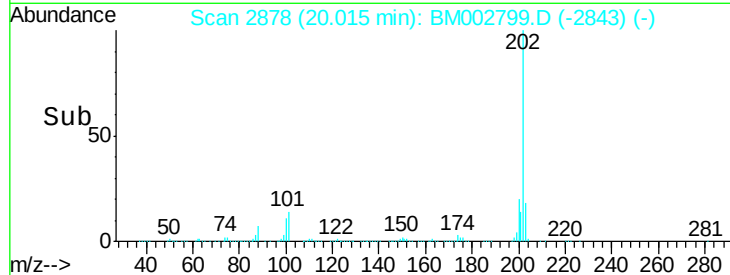
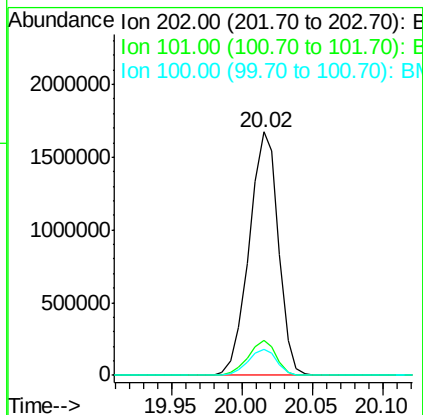
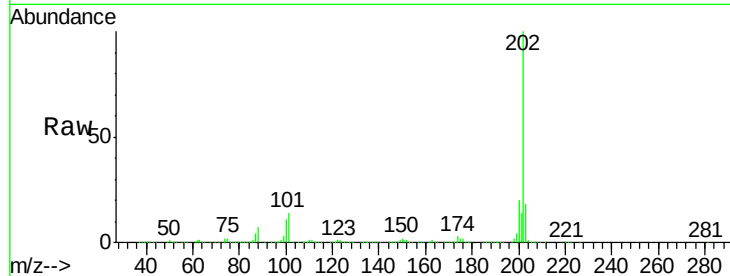




#77
 Fluoranthene
 Concen: 151.45 ng/ul
 RT: 20.02 min Scan# 2878
 Delta R.T. 0.01 min
 Lab File: BM002799.D
 Acq: 01 Oct 2015 01:37

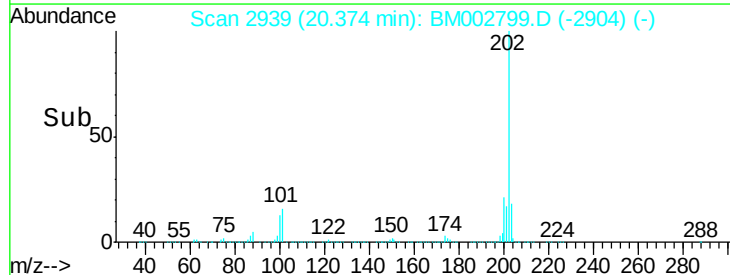
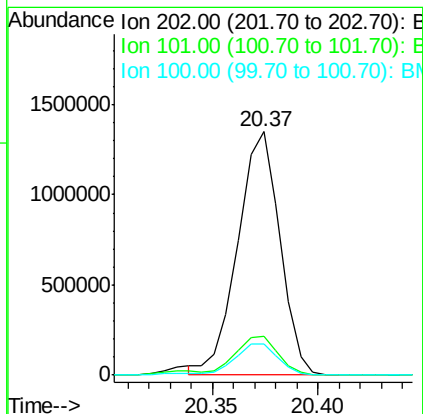
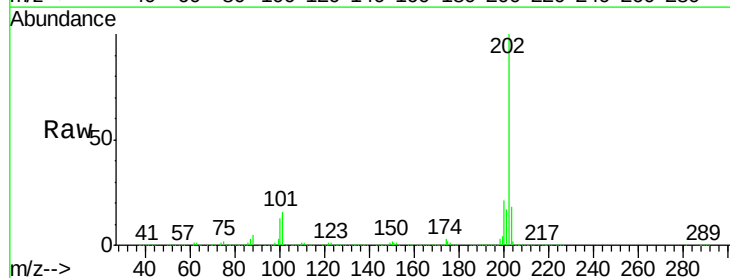
Instrument :
 BNA_M
 ClientSampleId :
 D9G75

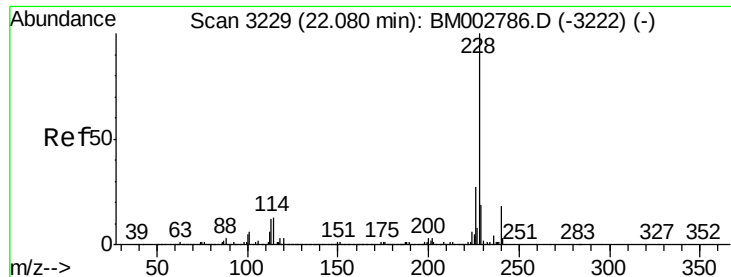
Tgt Ion:202 Resp: 2432190
 Ion Ratio Lower Upper
 202 100
 101 14.2 11.0 16.4
 100 10.9 8.3 12.5



#80
 Pyrene
 Concen: 104.40 ng/ul
 RT: 20.37 min Scan# 2939
 Delta R.T. 0.01 min
 Lab File: BM002799.D
 Acq: 01 Oct 2015 01:37

Tgt Ion:202 Resp: 1856831
 Ion Ratio Lower Upper
 202 100
 101 15.9 12.1 18.1
 100 13.0 10.2 15.4





#83

Benzo(a)anthracene

Concen: 55.59 ng/ul

RT: 22.08 min Scan# 3229

Delta R.T. 0.00 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

Instrument :

BNA_M

ClientSampleId :

D9G75

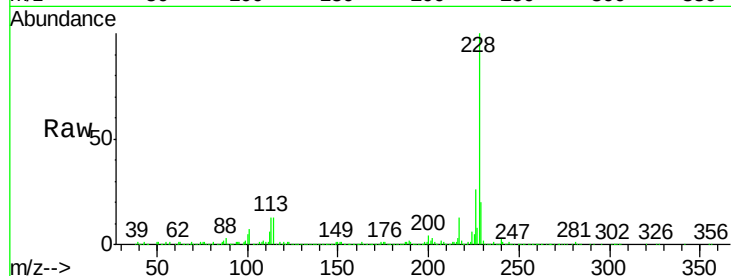
Tgt Ion:228 Resp: 925206

Ion Ratio Lower Upper

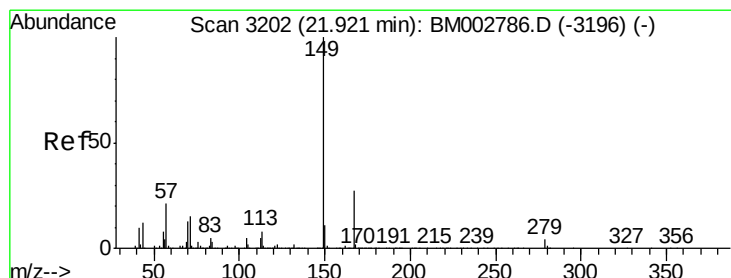
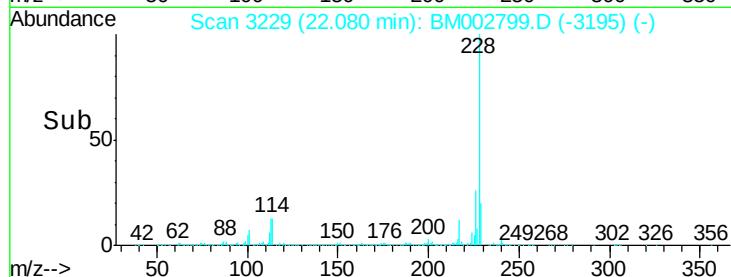
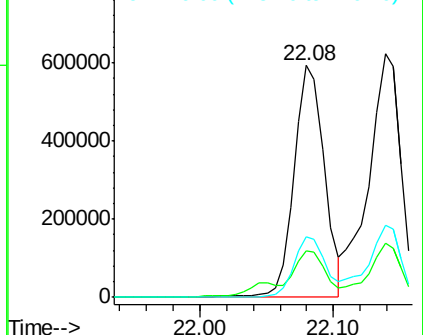
228 100

229 20.3 16.1 24.1

226 26.4 20.9 31.3



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.26 ng/ul

RT: 21.92 min Scan# 3201

Delta R.T. -0.01 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

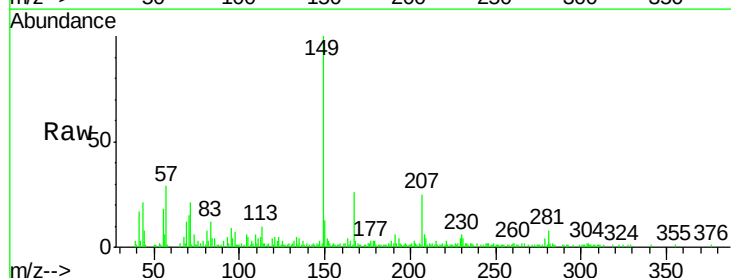
Tgt Ion:149 Resp: 51211

Ion Ratio Lower Upper

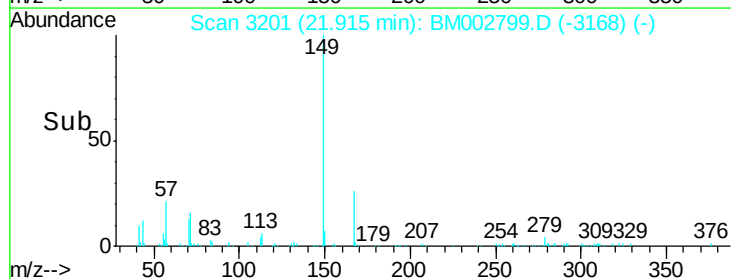
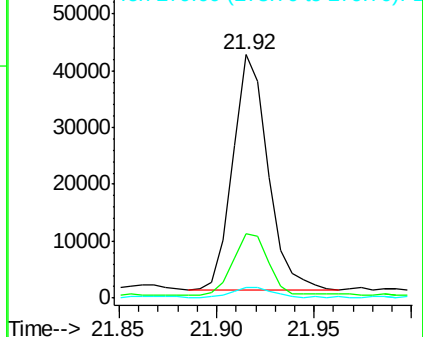
149 100

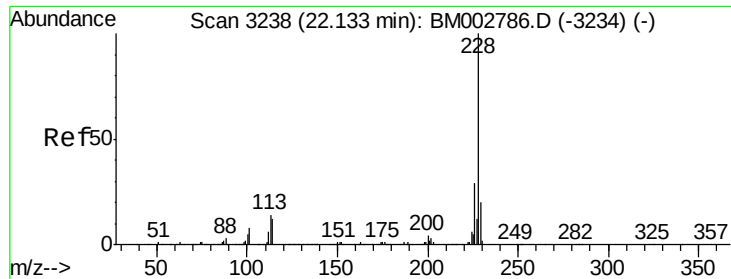
167 26.4 21.7 32.5

279 4.3 3.0 4.6



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 65.45 ng/ul

RT: 22.14 min Scan# 3239

Delta R.T. 0.01 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

Instrument :

BNA_M

ClientSampleId :

D9G75

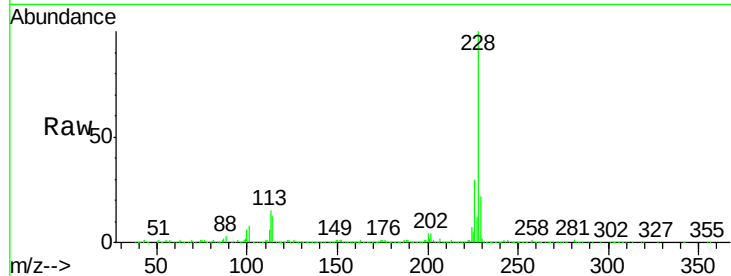
Tgt Ion:228 Resp: 1027541

Ion Ratio Lower Upper

228 100

226 29.7 22.4 33.6

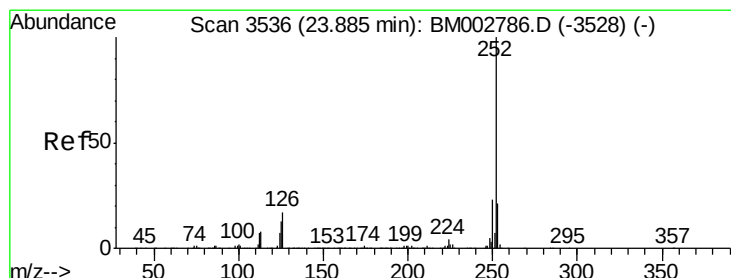
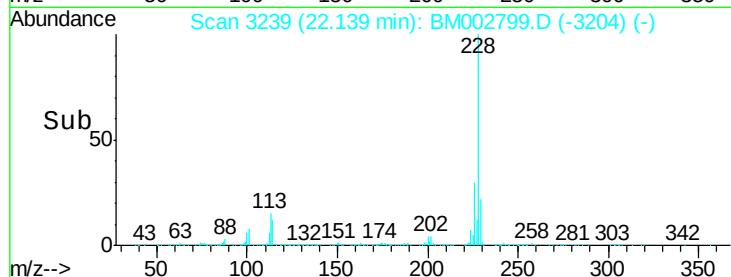
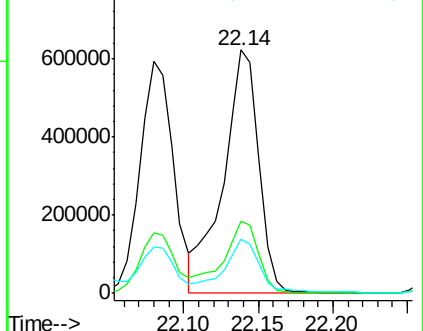
229 22.1 15.4 23.2



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



#88

Benzo(b)fluoranthene

Concen: 73.95 ng/ul

RT: 23.90 min Scan# 3539

Delta R.T. 0.02 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

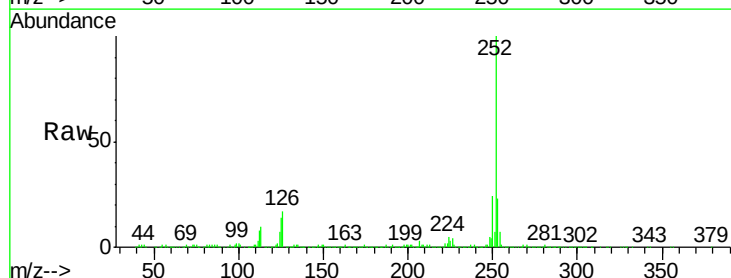
Tgt Ion:252 Resp: 1356390

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

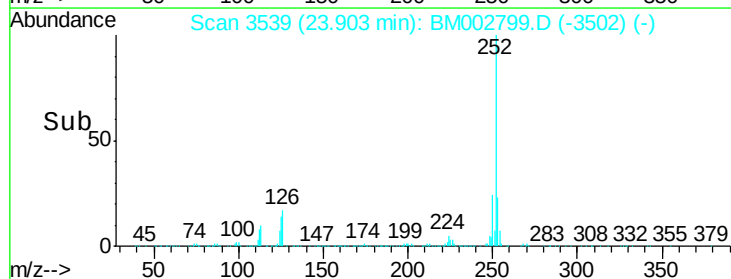
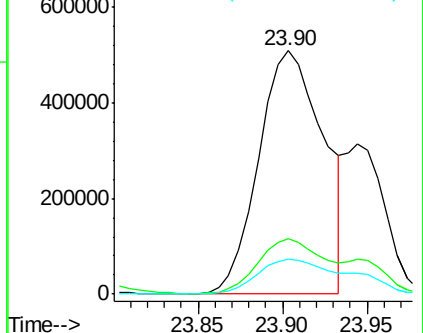
125 14.2 10.6 15.8

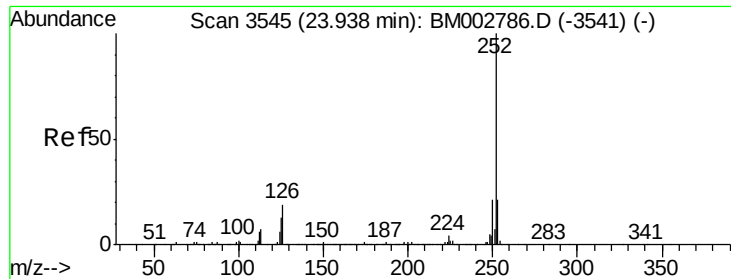


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 19.62 ng/ul

RT: 23.90 min Scan# 3539

Delta R.T. -0.04 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

Instrument :

BNA_M

ClientSampleId :

D9G75

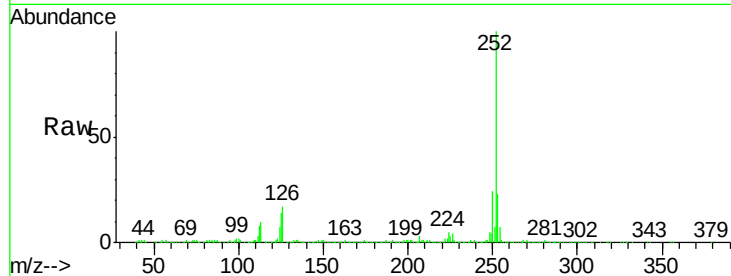
Tgt Ion:252 Resp: 340665

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

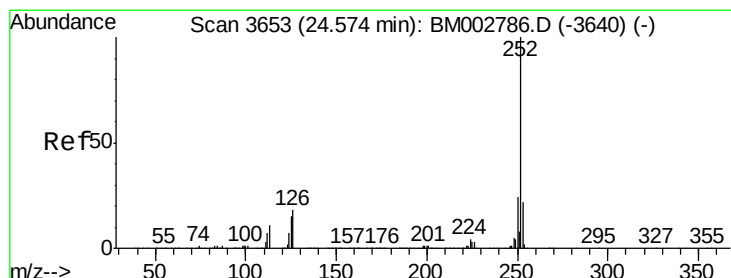
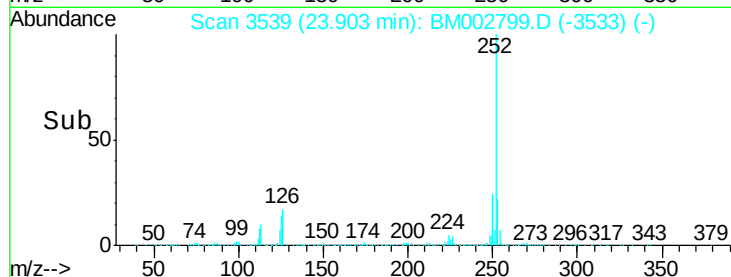
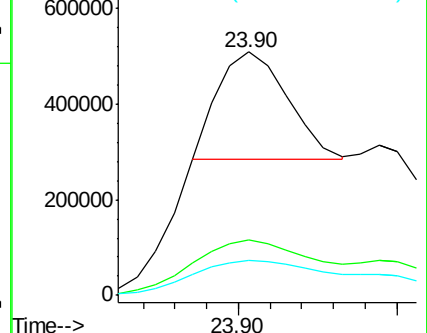
125 14.2 10.0 15.0



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



#91

Benzo(a)pyrene

Concen: 50.53 ng/ul

RT: 24.59 min Scan# 3655

Delta R.T. 0.01 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

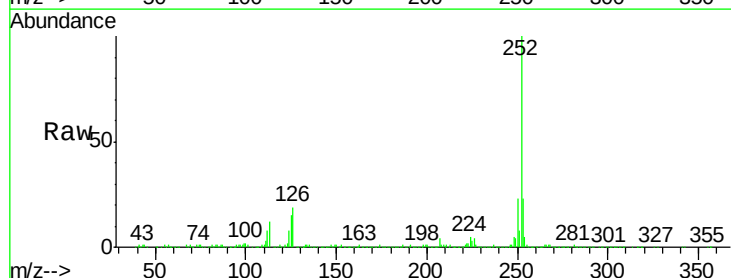
Tgt Ion:252 Resp: 890226

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

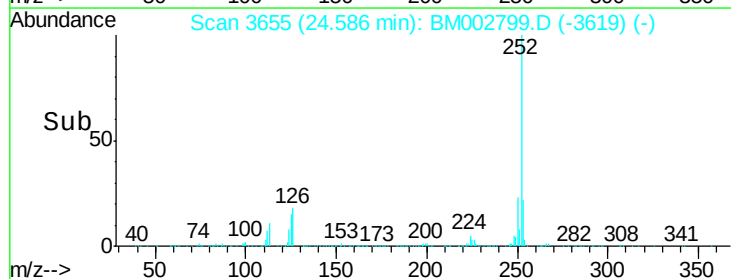
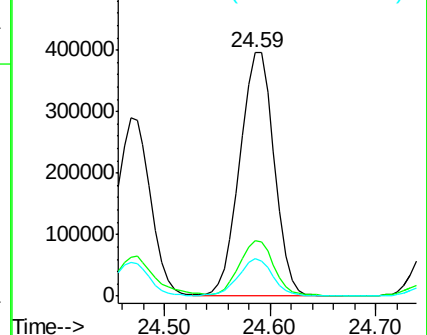
125 15.2 11.4 17.2

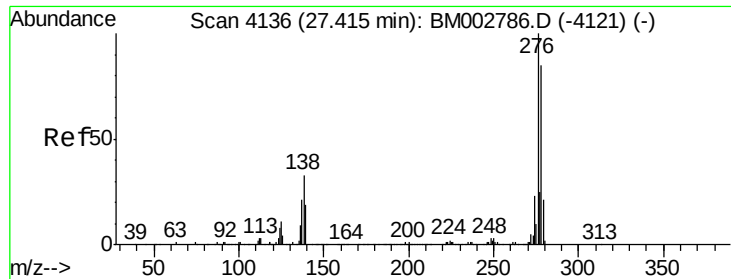


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 33.62 ng/ul

RT: 27.44 min Scan# 4140

Delta R.T. 0.02 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

Instrument :

BNA_M

ClientSampleId :

D9G75

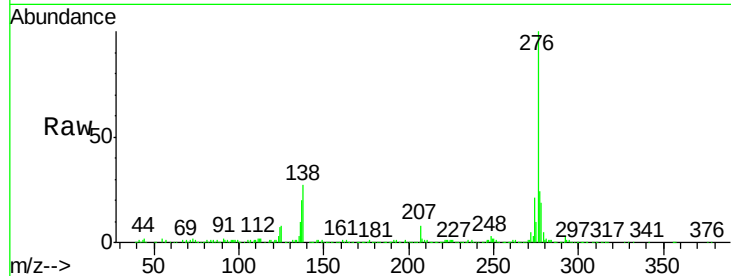
Tgt Ion:276 Resp: 691080

Ion Ratio Lower Upper

276 100

138 27.2 27.7 41.5#

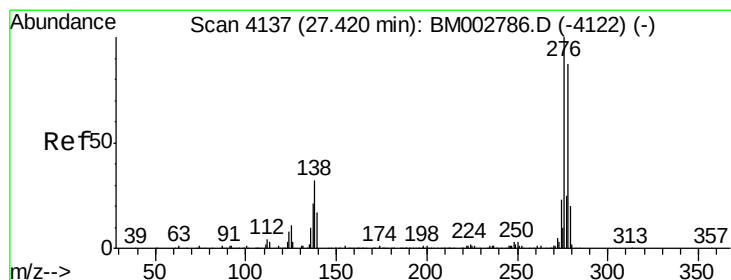
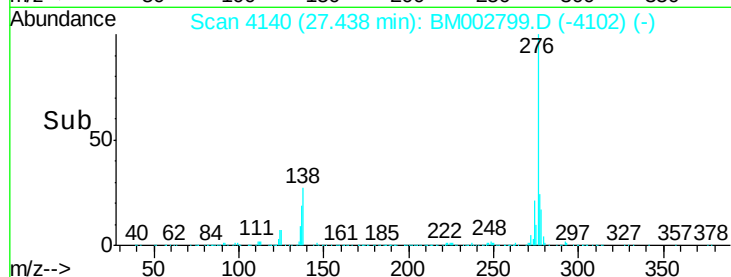
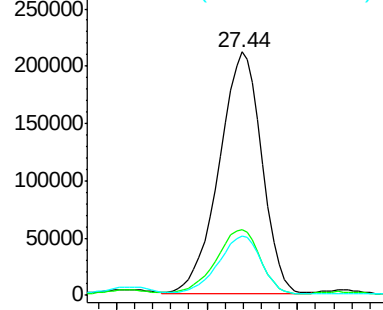
277 24.3 20.2 30.4



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



#93

Dibenzo(a,h)anthracene

Concen: 1.42 ng/ul

RT: 27.32 min Scan# 4120

Delta R.T. -0.10 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

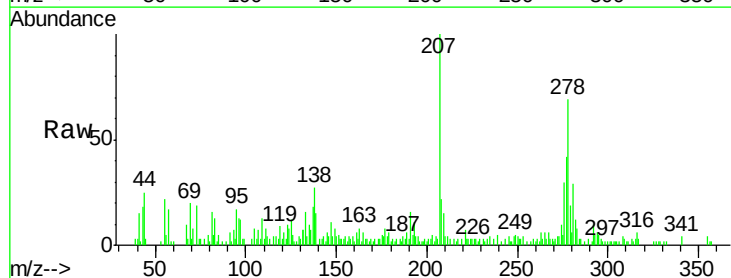
Tgt Ion:278 Resp: 24668

Ion Ratio Lower Upper

278 100

139 21.1 17.0 25.6

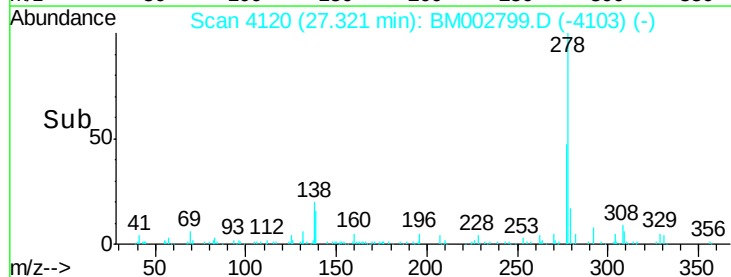
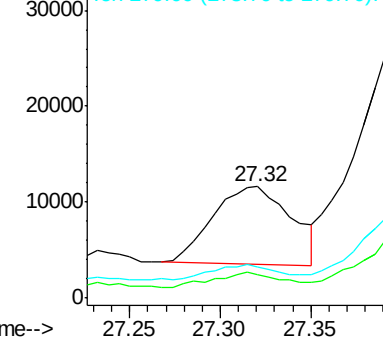
279 28.0 19.0 28.6

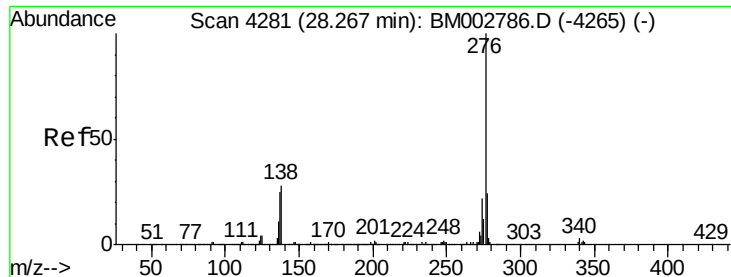


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 33.92 ng/ul

RT: 28.30 min Scan# 4286

Delta R.T. 0.03 min

Lab File: BM002799.D

Acq: 01 Oct 2015 01:37

Instrument :

BNA_M

ClientSampleId :

D9G75

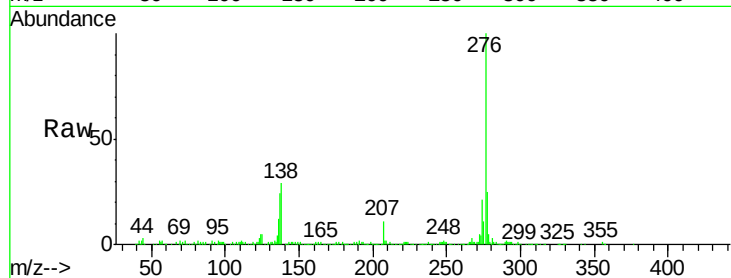
Tgt Ion: 276 Resp: 587032

Ion Ratio Lower Upper

276 100

138 28.6 21.8 32.8

277 24.8 18.9 28.3



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

