

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092915\
 Data File : BM002782.D
 Acq On : 30 Sep 2015 13:16
 Operator : UM/IZ
 Sample : G3838-15
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E5MX1

Quant Time: Sep 30 14:09:56 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 30 06:48:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	105102	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	425728	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.29	164	204087	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.00	188	410101	20.00	ng/ul	0.00
78) Chrysene-d12	22.09	240	432624	20.00	ng/ul	0.00
86) Perylene-d12	24.69	264	449310	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	7133	3.15	ng/uL	0.00
5) Phenol-d5	7.81	99	107663	13.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	80916	18.06	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	116173	15.67	ng/ul	0.00
13) 4-Methylphenol-d8	9.39	113	73596	11.21	ng/ul	0.00
19) Nitrobenzene-d5	9.89	128	58301	17.96	ng/ul	0.00
22) 2-Nitrophenol-d4	10.62	143	59625	17.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.16	165	94166	15.73	ng/ul	0.00
29) 4-Chloroaniline-d4	11.68	131	107901	14.97	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	283723	18.48	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	372195	18.16	ng/ul	0.00
52) 4-Nitrophenol-d4	15.46	143	27780	10.19	ng/ul	0.00
58) Fluorene-d10	16.27	176	248054	17.93	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.39	200	12023	6.01	ng/ul	0.00
71) Anthracene-d10	18.10	188	349023	17.83	ng/ul	0.00
79) Pyrene-d10	20.33	212	358464	17.75	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.51	264	406200	17.67	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.45	88	19414	7.76 ng/uL#	1
4) Benzaldehyde	7.81	77	9140	2.05 ng/ul#	75
14) Acetophenone	9.53	105	41911	4.24 ng/ul	99
28) Naphthalene	11.61	128	42242	1.94 ng/ul	98
45) Dimethylphthalate	14.72	163	113753	7.29 ng/ul	100
50) Acenaphthene	15.36	153	27896	1.95 ng/ul	97
54) Dibenzofuran	15.68	168	30453	1.57 ng/ul	100
59) Fluorene	16.32	166	39040	2.46 ng/ul	98
70) Phenanthrene	18.04	178	515932	21.75 ng/ul	99
72) Anthracene	18.14	178	130805	5.42 ng/ul	99
75) Carbazole	18.40	167	60684	2.88 ng/ul	98
77) Fluoranthene	20.00	202	775471	31.66 ng/ul	99
80) Pyrene	20.36	202	633880	23.07 ng/ul	99
83) Benzo(a)anthracene	22.07	228	374635	14.57 ng/ul	100
85) Chrysene	22.13	228	353195	14.56 ng/ul	96
88) Benzo(b)fluoranthene	23.89	252	482684	17.88 ng/ul	98
89) Benzo(k)fluoranthene	24.09	252	60292	2.36 ng/ul#	87
91) Benzo(a)pyrene	24.57	252	315328	12.16 ng/ul	99
92) Indeno(1,2,3-cd)pyrene	27.40	276	218186	7.21 ng/ul#	91
93) Dibenzo(a,h)anthracene	27.40	278	61634	2.41 ng/ul#	76
94) Benzo(g,h,i)perylene	28.25	276	176148	6.92 ng/ul	99

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QLast Update : Wed Sep 30 06:48:30 2015
Response via : Initial Calibration

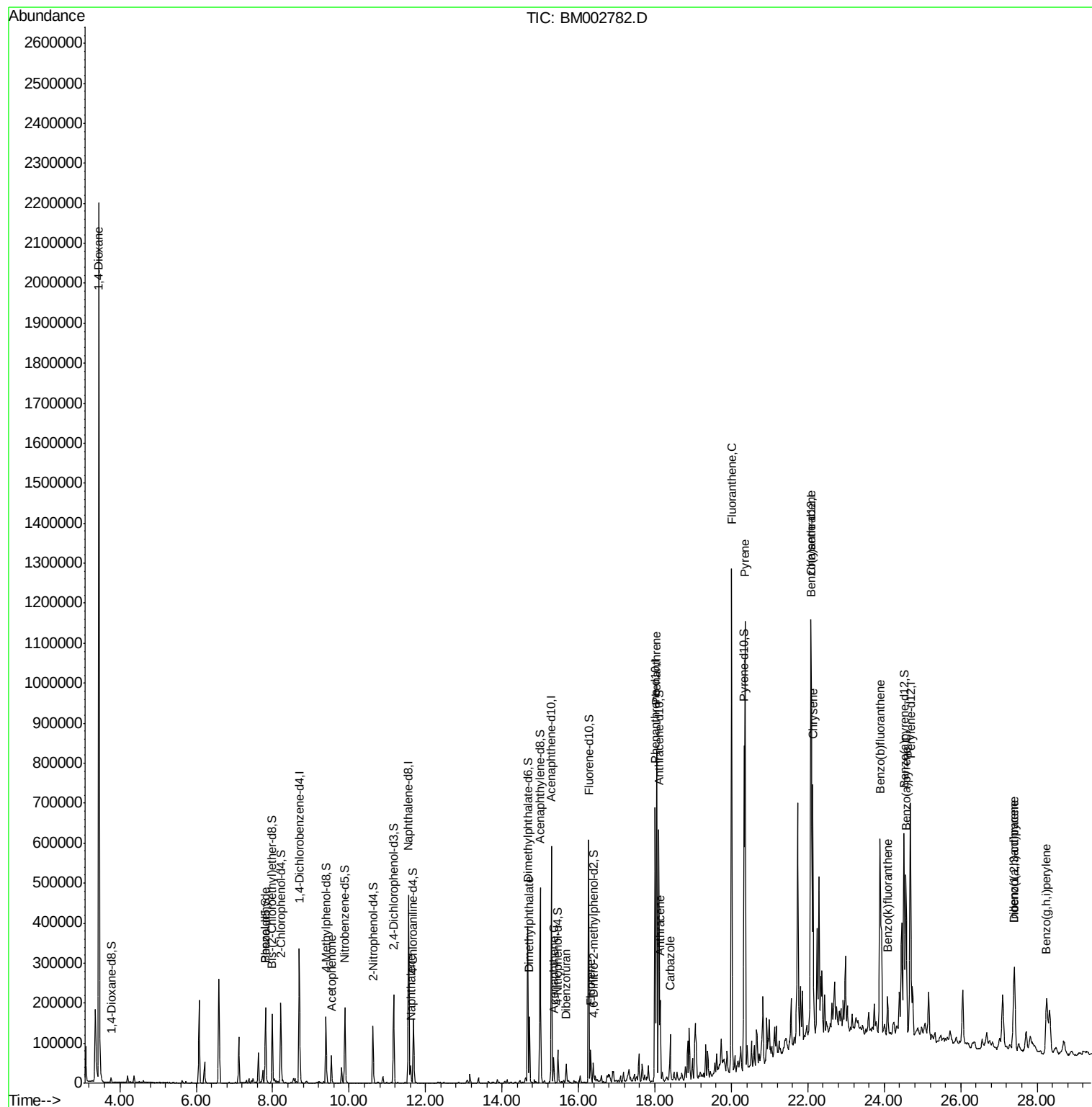
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

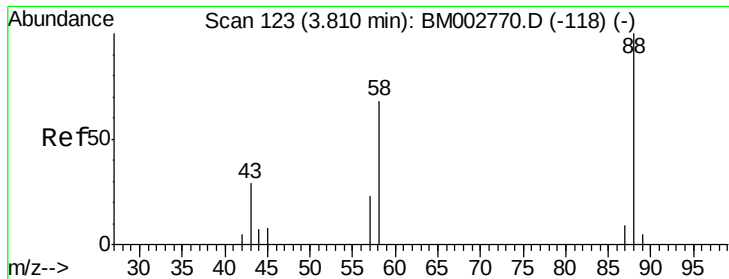
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#2

1,4-Dioxane

Concen: 7.76 ng/uL

RT: 3.45 min Scan# 62

Delta R.T. -0.36 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

Instrument :

BNA_M

ClientSampleId :

E5MX1

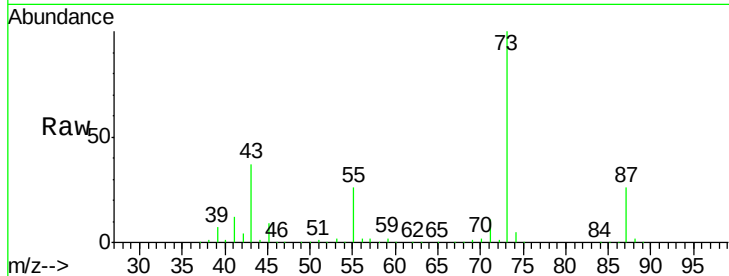
Tgt Ion: 88 Resp: 19414

Ion Ratio Lower Upper

88 100

43 2472.4 26.2 39.4#

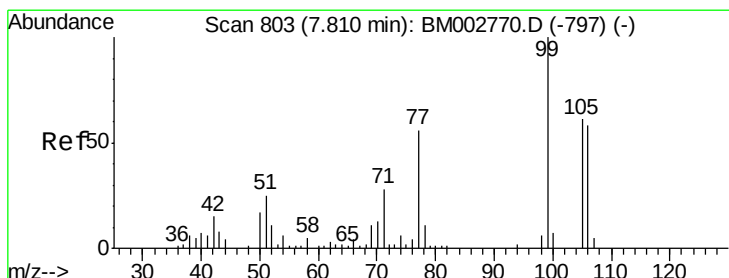
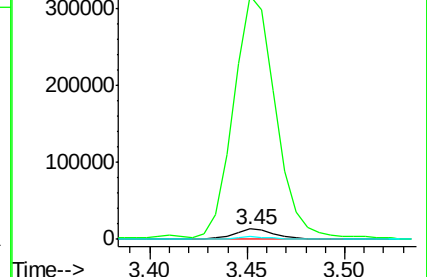
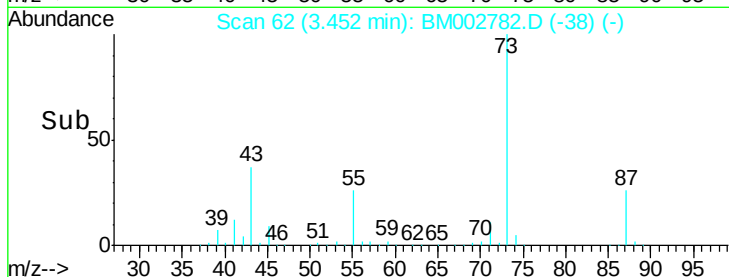
58 22.9 58.5 87.7#



Abundance Ion 88.00 (87.70 to 88.70): BM002770.D (-118) (-)

Ion 43.00 (42.70 to 43.70): BM002770.D (-118) (-)

Ion 58.00 (57.70 to 58.70): BM002770.D (-118) (-)



#4

Benzaldehyde

Concen: 2.05 ng/uL

RT: 7.81 min Scan# 803

Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

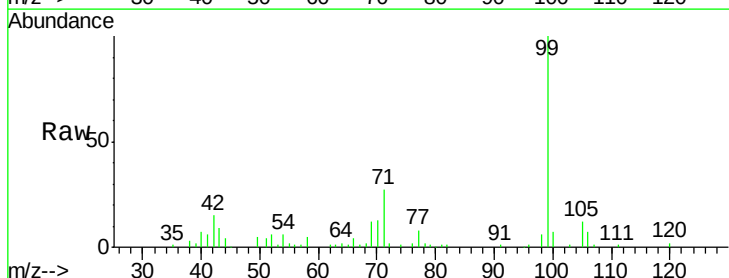
Tgt Ion: 77 Resp: 9140

Ion Ratio Lower Upper

77 100

105 150.9 86.2 129.2#

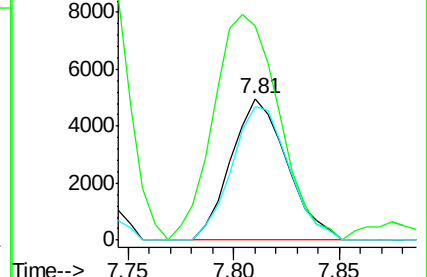
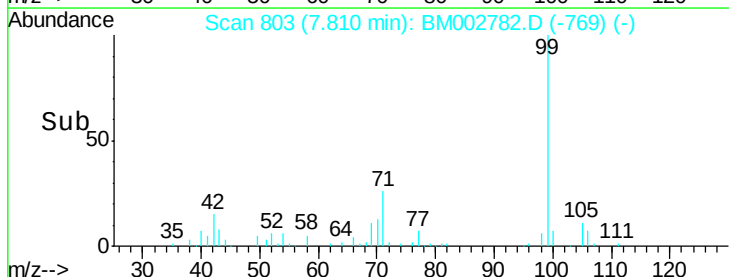
106 94.2 82.5 123.7

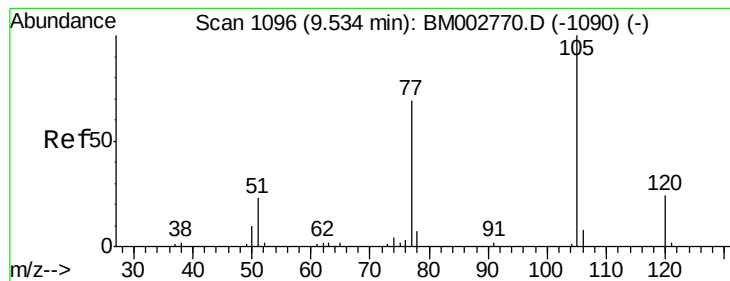


Abundance Ion 77.00 (76.70 to 77.70): BM002770.D (-797) (-)

Ion 105.00 (104.70 to 105.70): BM002770.D (-797) (-)

Ion 106.00 (105.70 to 106.70): BM002770.D (-797) (-)





#14

Acetophenone

Concen: 4.24 ng/ul

RT: 9.53 min Scan# 1096

Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

Instrument :

BNA_M

ClientSampleId :

E5MX1

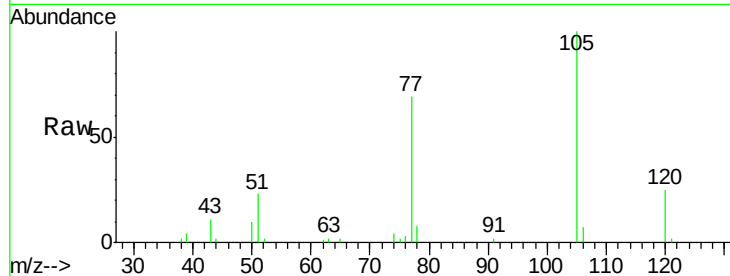
Tgt Ion:105 Resp: 41911

Ion Ratio Lower Upper

105 100

77 69.2 54.5 81.7

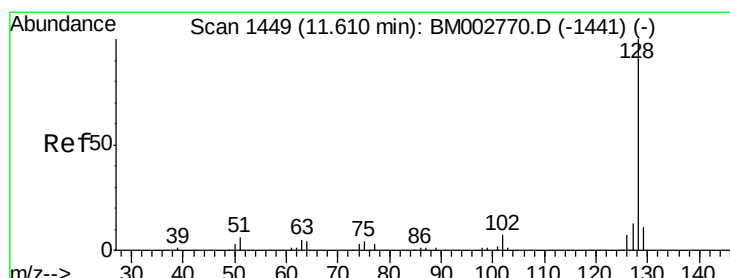
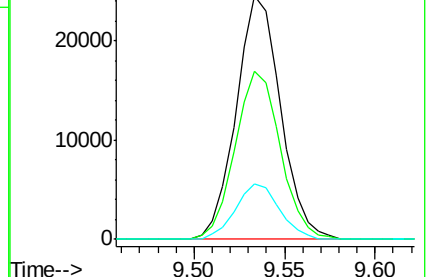
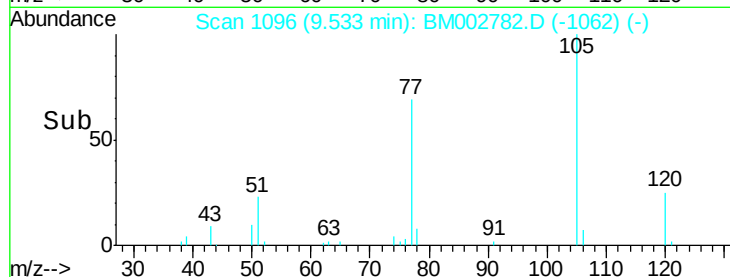
51 22.8 17.6 26.4



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#28

Naphthalene

Concen: 1.94 ng/ul

RT: 11.61 min Scan# 1449

Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

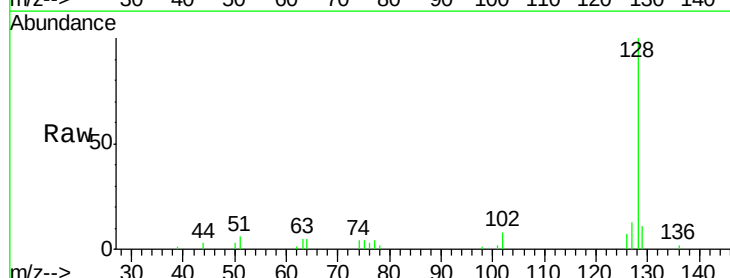
Tgt Ion:128 Resp: 42242

Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

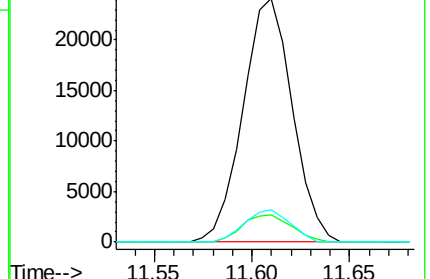
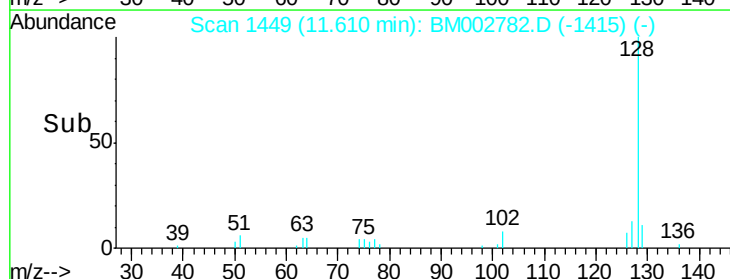
127 13.2 9.9 14.9

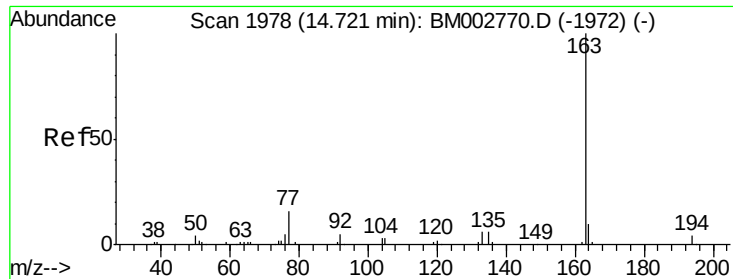


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#45

Dimethylphthalate

Concen: 7.29 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

Instrument :

BNA_M

ClientSampleId :

E5MX1

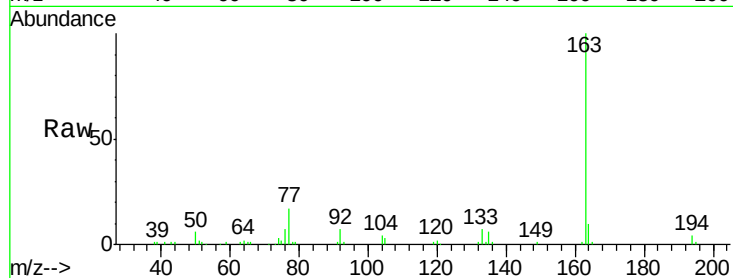
Tgt Ion:163 Resp: 113753

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

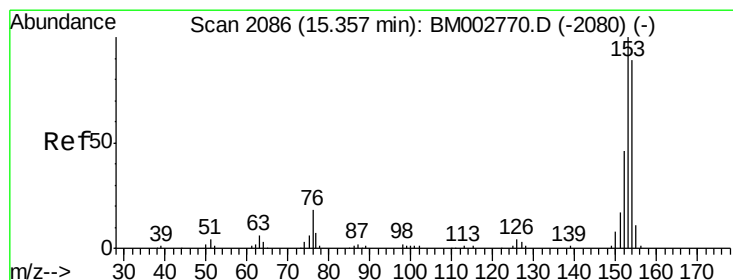
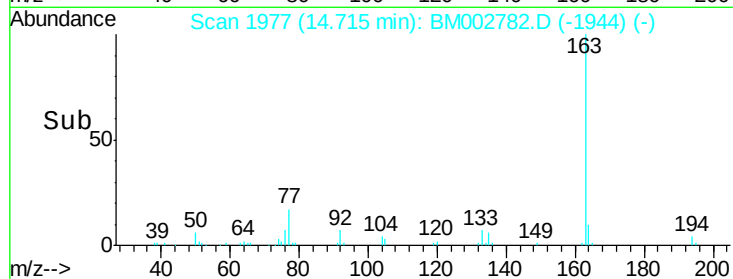
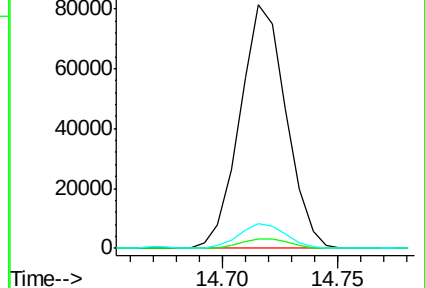
164 9.9 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

Acenaphthene

Concen: 1.95 ng/ul

RT: 15.36 min Scan# 2086

Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

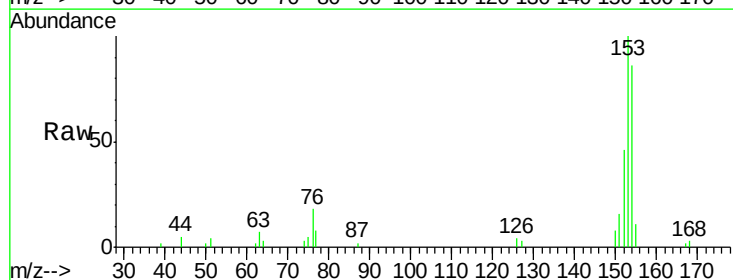
Tgt Ion:153 Resp: 27896

Ion Ratio Lower Upper

153 100

152 45.8 37.2 55.8

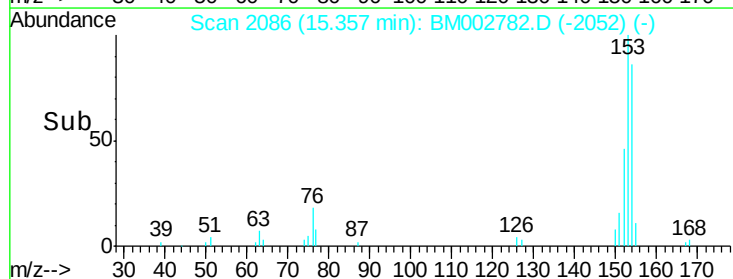
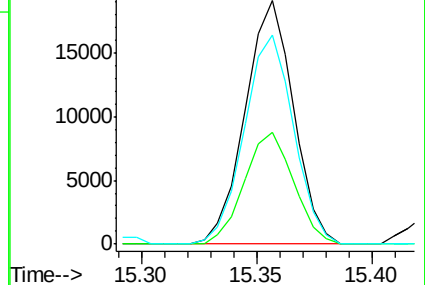
154 85.9 71.9 107.9

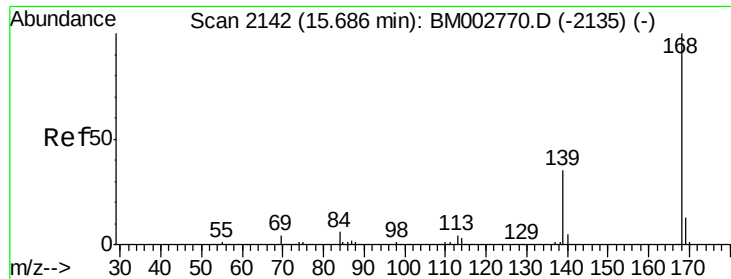


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 1.57 ng/ul

RT: 15.68 min Scan# 2141

Delta R.T. -0.01 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

Instrument :

BNA_M

ClientSampleId :

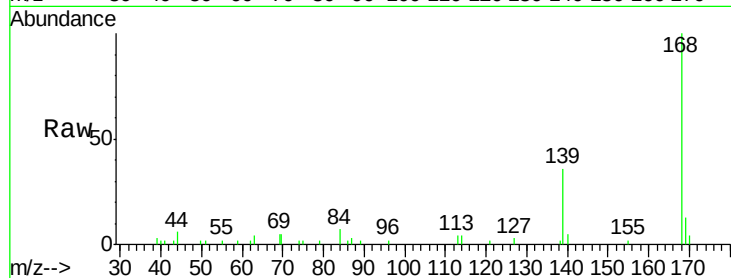
E5MX1

Tgt Ion:168 Resp: 30453

Ion Ratio Lower Upper

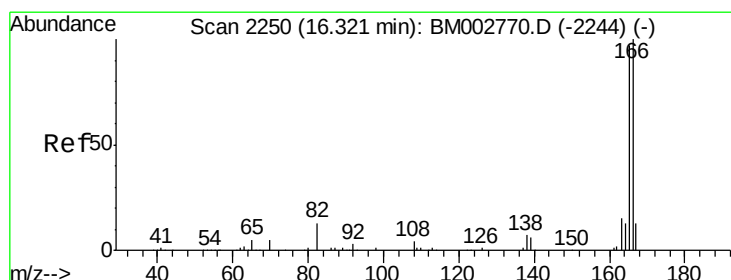
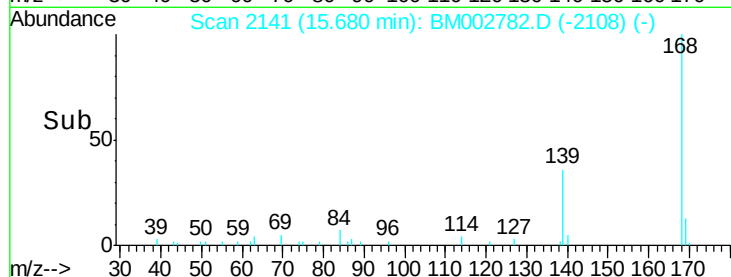
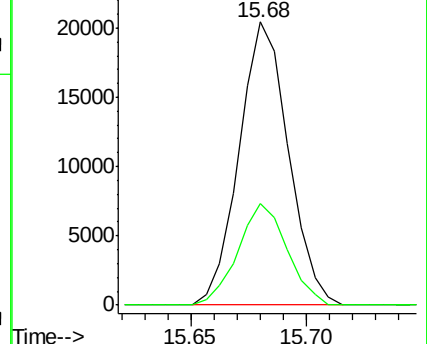
168 100

139 36.0 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: 2.46 ng/ul

RT: 16.32 min Scan# 2250

Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

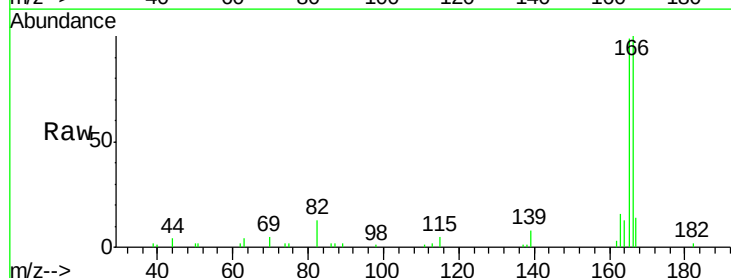
Tgt Ion:166 Resp: 39040

Ion Ratio Lower Upper

166 100

165 99.2 78.0 117.0

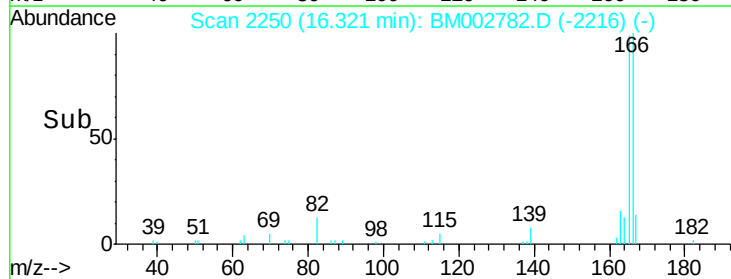
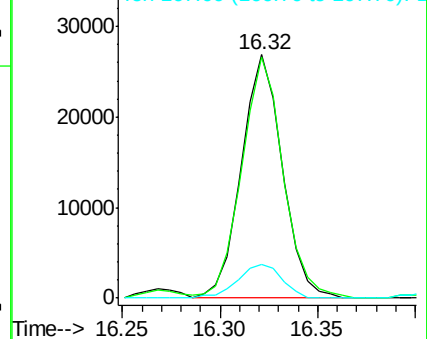
167 14.0 10.6 16.0

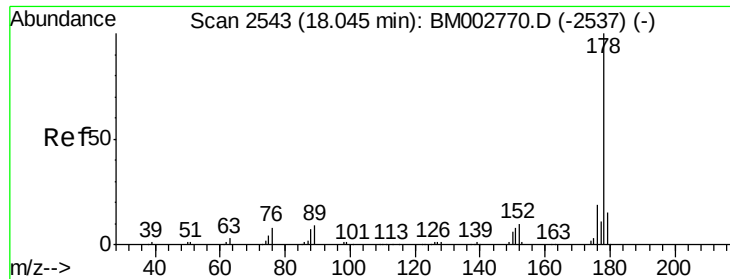


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 21.75 ng/ul

RT: 18.04 min Scan# 2543

Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

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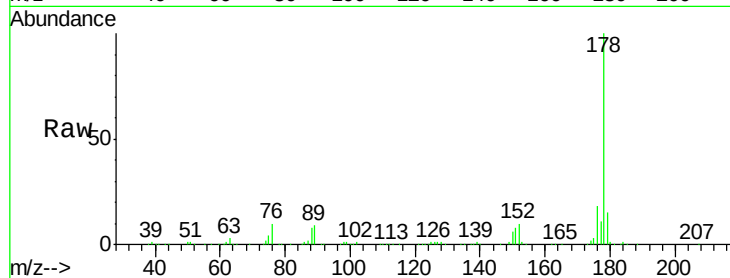
Tgt Ion:178 Resp: 515932

Ion Ratio Lower Upper

178 100

179 15.4 12.0 18.0

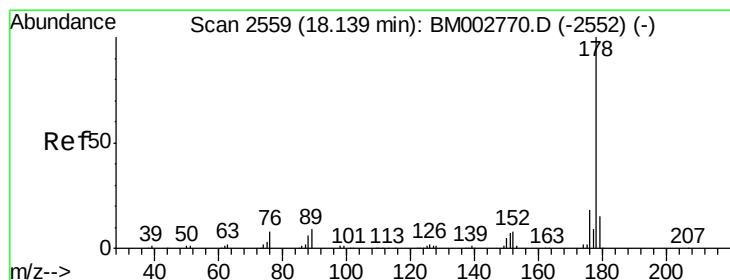
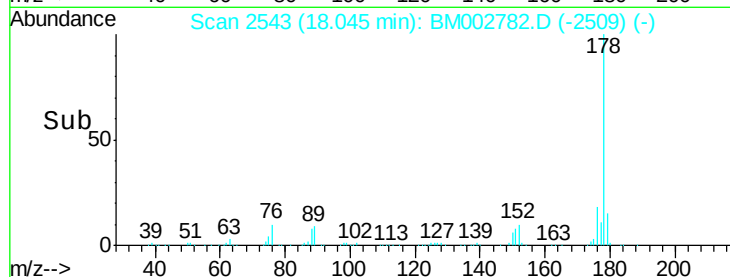
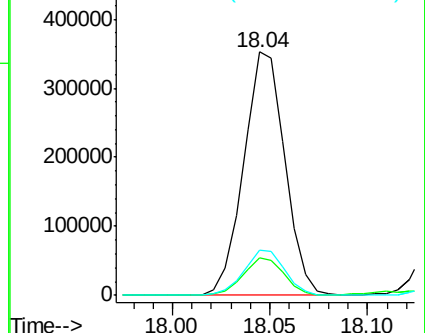
176 18.4 14.6 22.0



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: 5.42 ng/ul

RT: 18.14 min Scan# 2559

Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

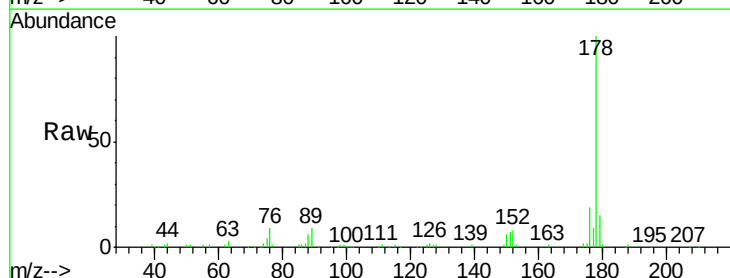
Tgt Ion:178 Resp: 130805

Ion Ratio Lower Upper

178 100

179 15.5 11.9 17.9

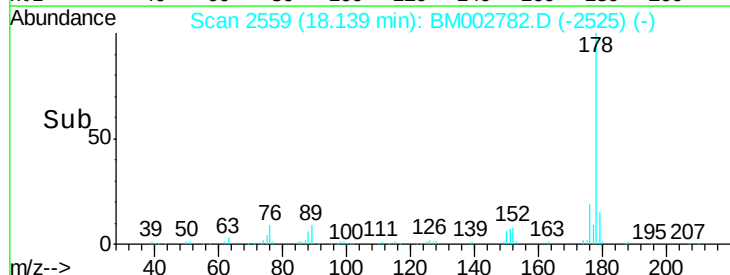
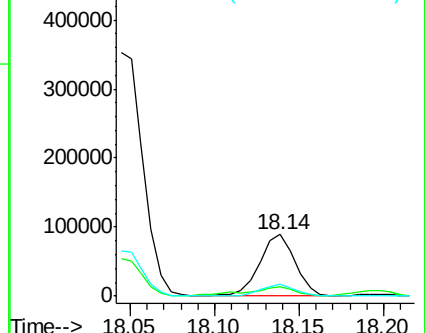
176 18.6 14.4 21.6

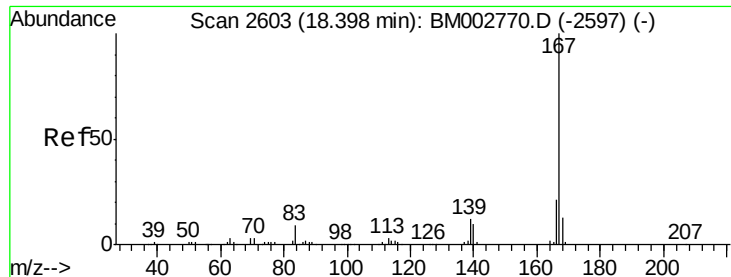


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.88 ng/ul

RT: 18.40 min Scan# 2603

Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

Instrument :

BNA_M

ClientSampled :

E5MX1

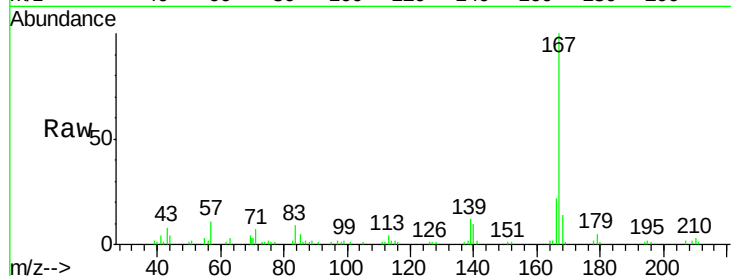
Tgt Ion:167 Resp: 60684

Ion Ratio Lower Upper

167 100

166 22.0 16.8 25.2

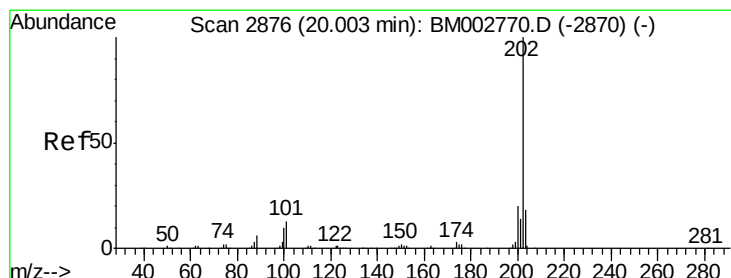
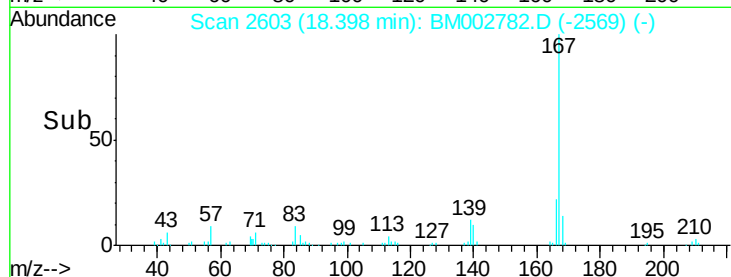
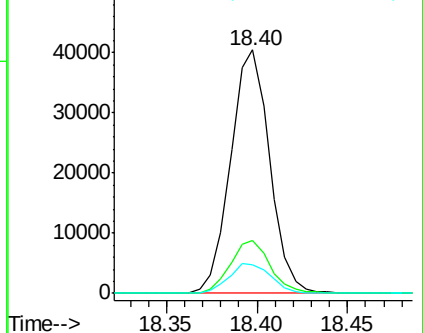
139 12.0 10.1 15.1



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: 31.66 ng/ul

RT: 20.00 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

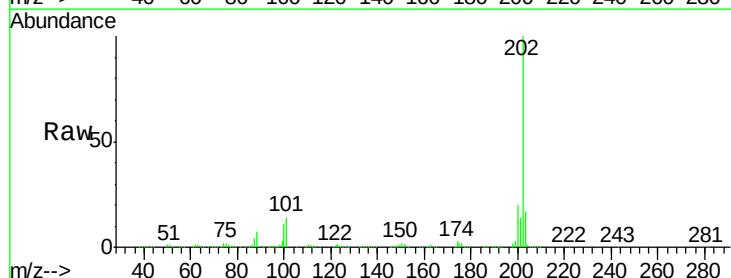
Tgt Ion:202 Resp: 775471

Ion Ratio Lower Upper

202 100

101 13.7 11.0 16.4

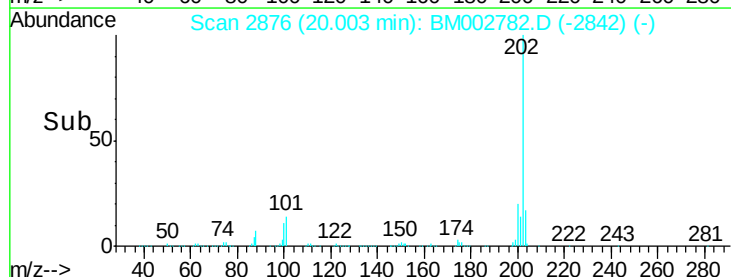
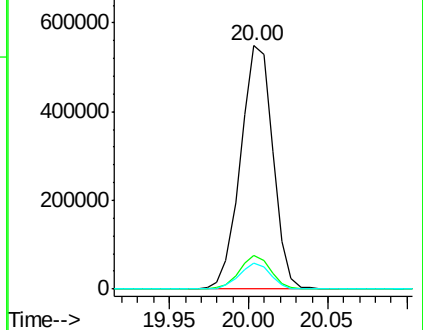
100 10.8 8.3 12.5

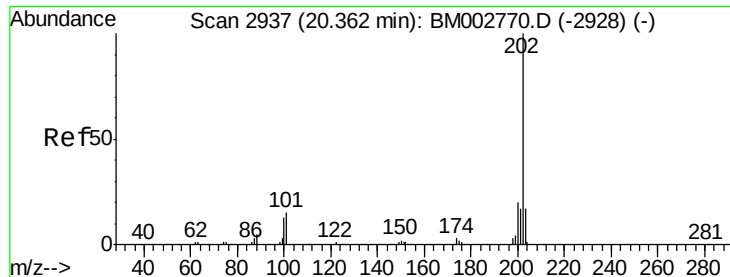


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

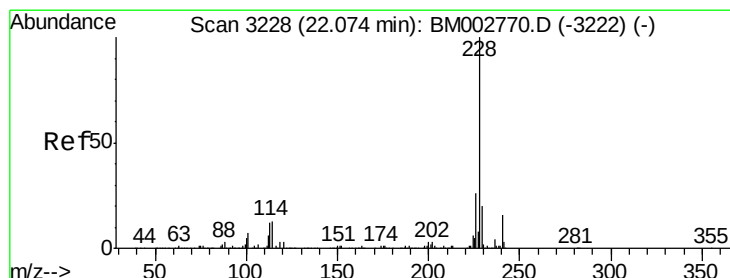
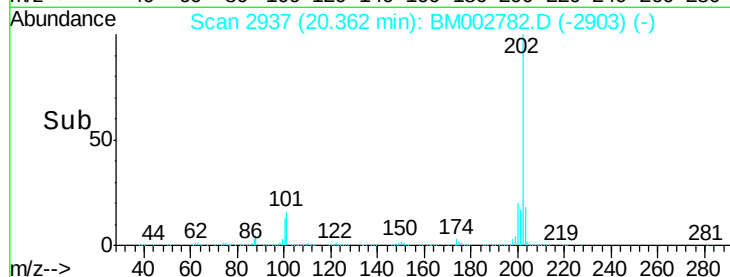
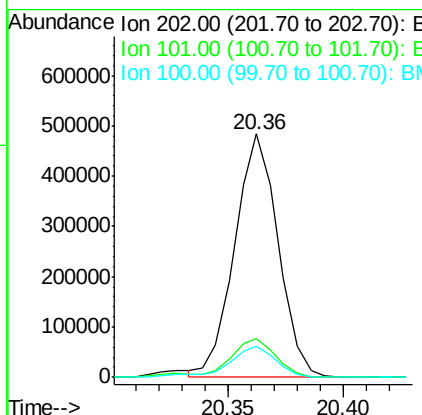
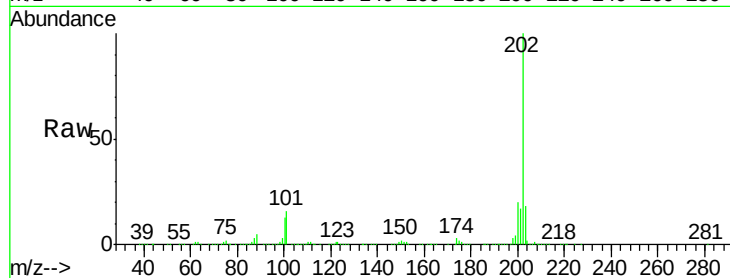




#80
 Pyrene
 Concen: 23.07 ng/ul
 RT: 20.36 min Scan# 2937
 Delta R.T. -0.00 min
 Lab File: BM002782.D
 Acq: 30 Sep 2015 13:16

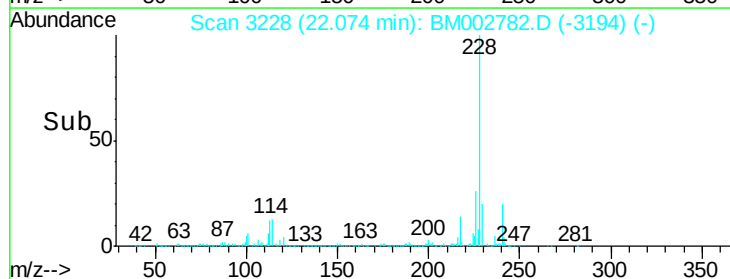
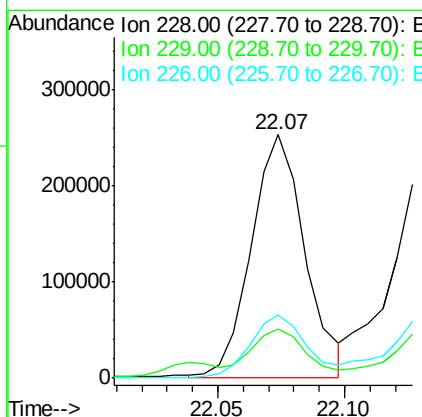
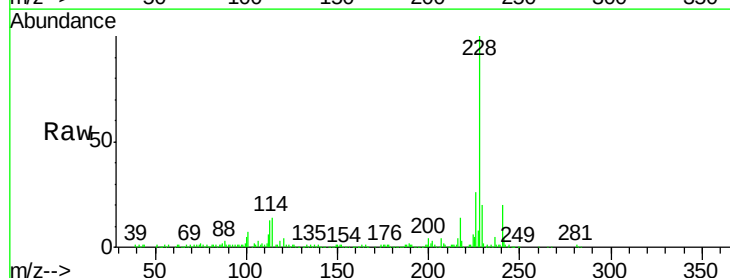
Instrument :
 BNA_M
 ClientSampleId :
 E5MX1

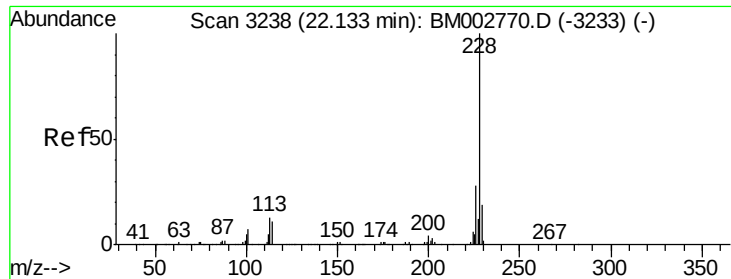
Tgt Ion:	202	Resp:	633880
Ion	Ratio	Lower	Upper
202	100		
101	15.8	12.1	18.1
100	12.6	10.2	15.4



#83
 Benzo(a)anthracene
 Concen: 14.57 ng/ul
 RT: 22.07 min Scan# 3228
 Delta R.T. -0.00 min
 Lab File: BM002782.D
 Acq: 30 Sep 2015 13:16

Tgt Ion:	228	Resp:	374635
Ion	Ratio	Lower	Upper
228	100		
229	20.1	16.1	24.1
226	26.0	20.9	31.3

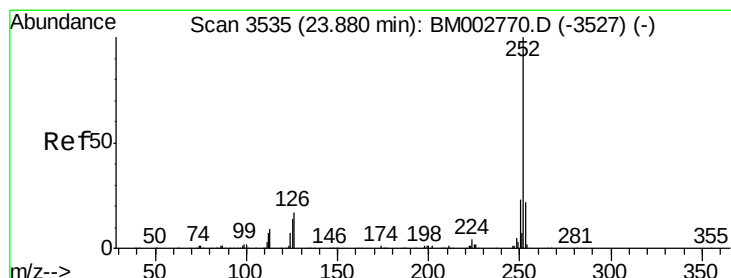
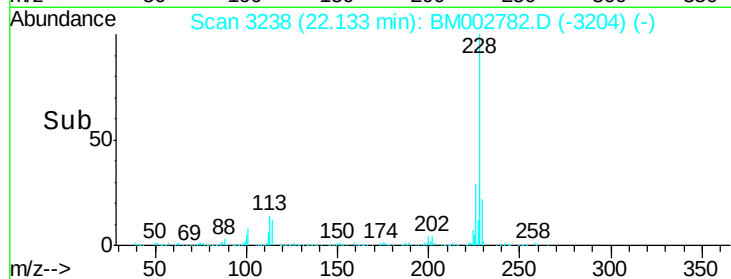
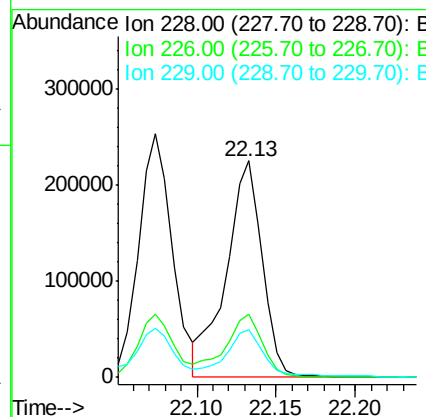
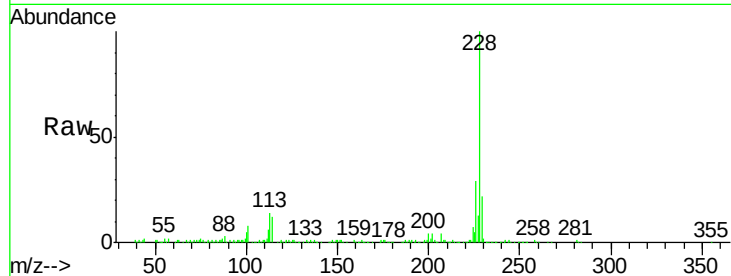




#85
Chrysene
Concen: 14.56 ng/ul
RT: 22.13 min Scan# 3238
Delta R.T. -0.00 min
Lab File: BM002782.D
Acq: 30 Sep 2015 13:16

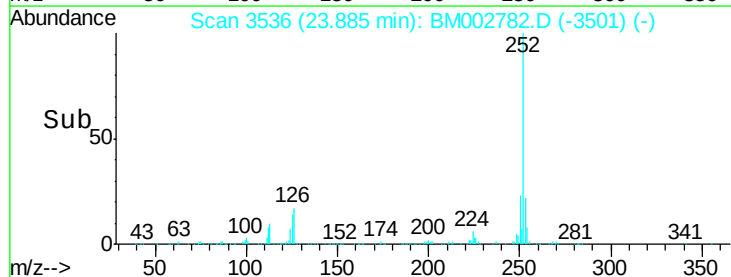
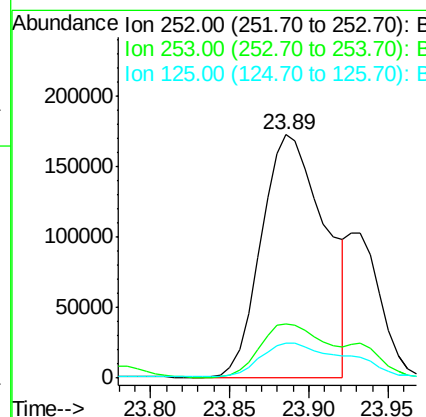
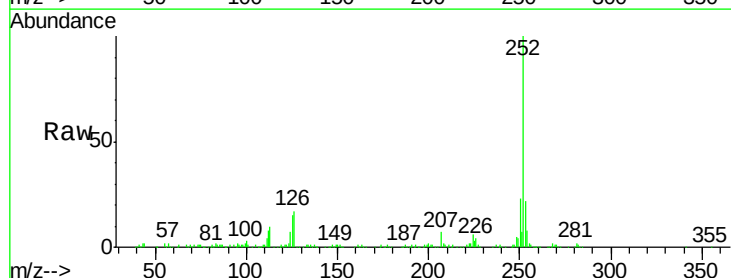
Instrument :
BNA_M
ClientSampleId :
E5MX1

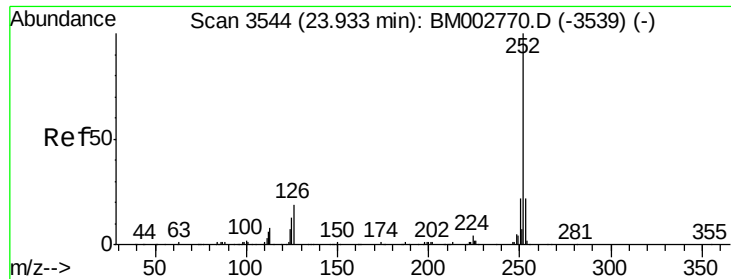
Tgt Ion: 228 Resp: 353195
Ion Ratio Lower Upper
228 100
226 29.2 22.4 33.6
229 22.0 15.4 23.2



#88
Benzo(b)fluoranthene
Concen: 17.88 ng/ul
RT: 23.89 min Scan# 3536
Delta R.T. 0.01 min
Lab File: BM002782.D
Acq: 30 Sep 2015 13:16

Tgt Ion: 252 Resp: 482684
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 14.6 10.6 15.8





#89

Benzo(k)fluoranthene

Concen: 2.36 ng/ul

RT: 24.09 min Scan# 3570

Delta R.T. 0.15 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

Instrument :

BNA_M

ClientSampleId :

E5MX1

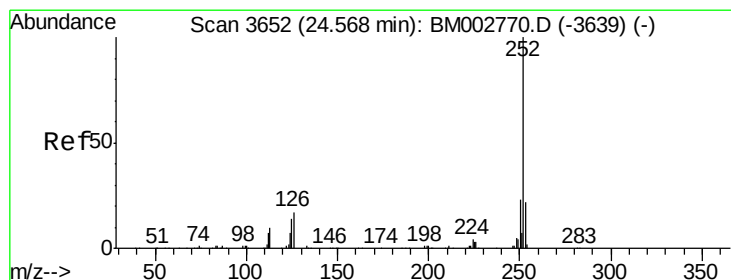
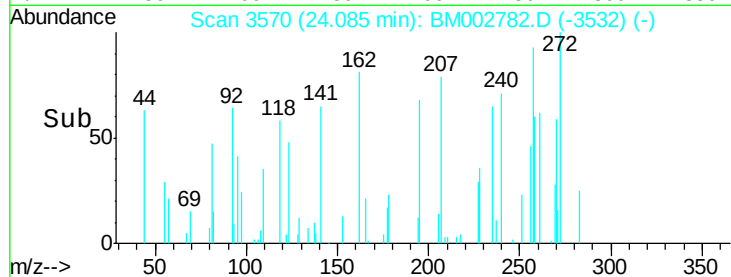
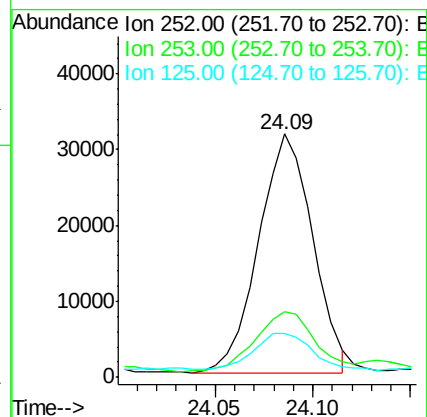
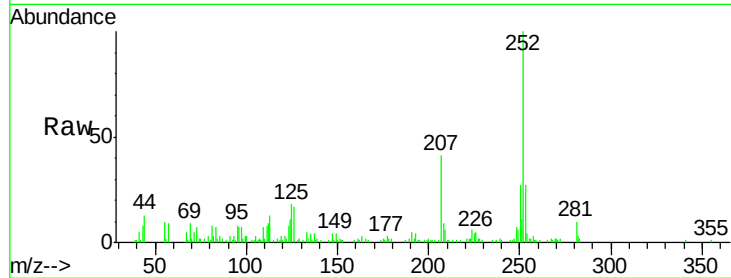
Tgt Ion:252 Resp: 60292

Ion Ratio Lower Upper

252 100

253 27.2 17.3 25.9#

125 18.1 10.0 15.0#



#91

Benzo(a)pyrene

Concen: 12.16 ng/ul

RT: 24.57 min Scan# 3652

Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

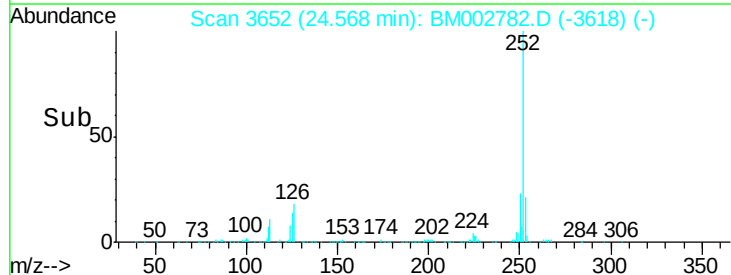
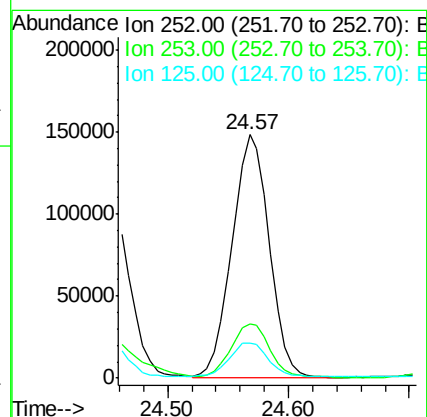
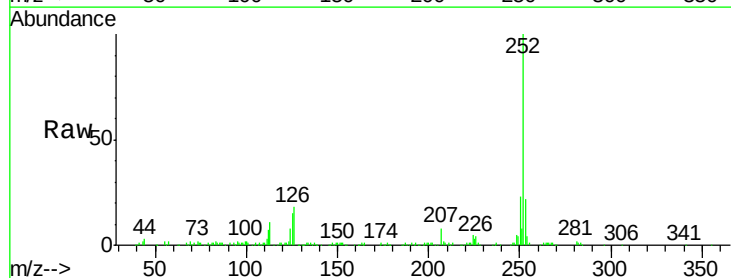
Tgt Ion:252 Resp: 315328

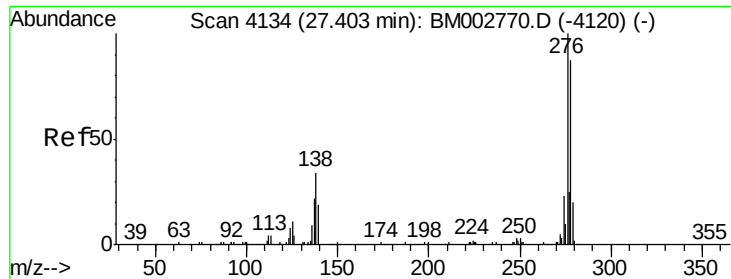
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 14.6 11.4 17.2





#92

Indeno(1,2,3-cd)pyrene

Concen: 7.21 ng/ul

RT: 27.40 min Scan# 4134

Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

Instrument :

BNA_M

ClientSampleId :

E5MX1

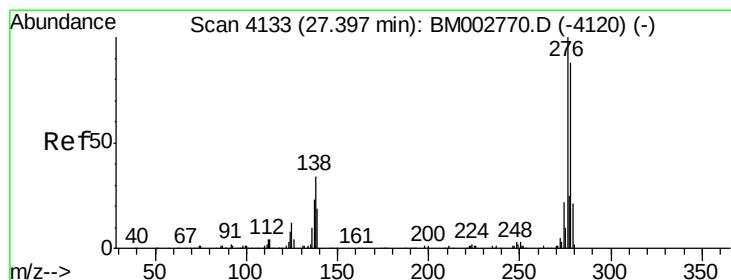
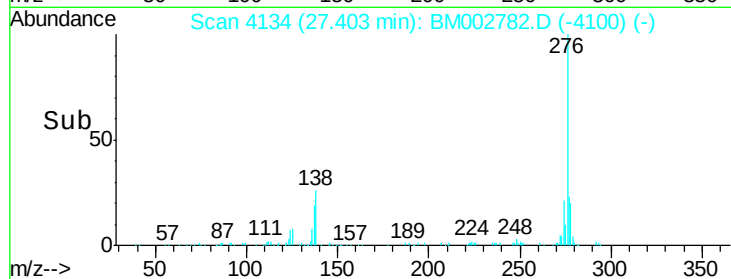
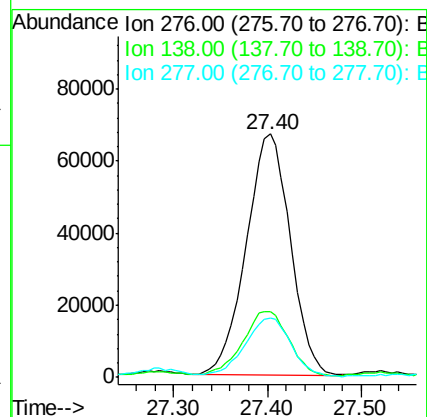
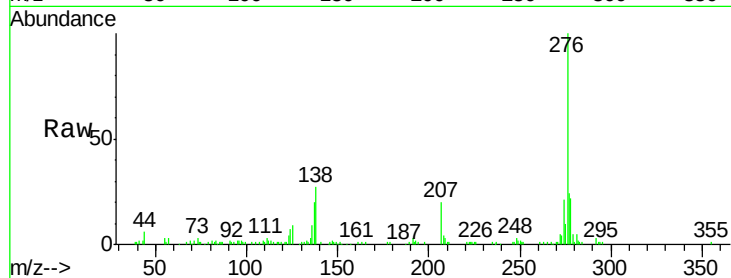
Tgt Ion:276 Resp: 218186

Ion Ratio Lower Upper

276 100

138 26.8 27.7 41.5#

277 24.3 20.2 30.4



#93

Dibenzo(a,h)anthracene

Concen: 2.41 ng/ul

RT: 27.40 min Scan# 4133

Delta R.T. -0.00 min

Lab File: BM002782.D

Acq: 30 Sep 2015 13:16

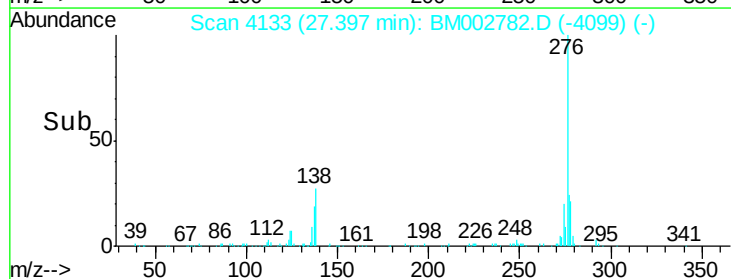
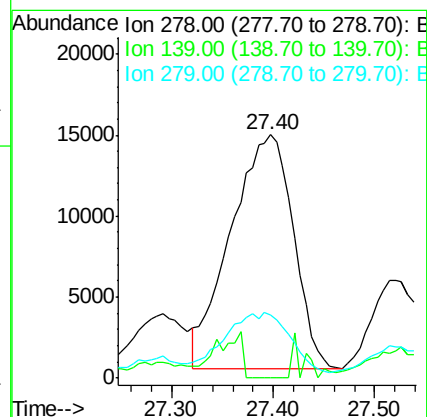
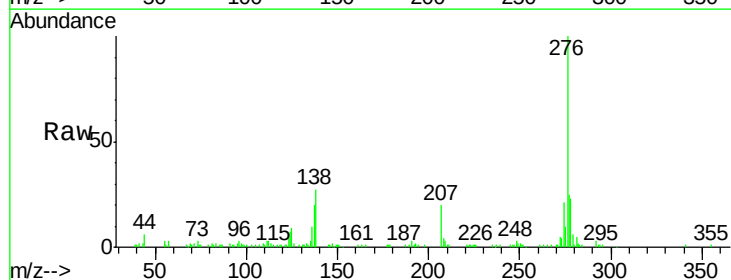
Tgt Ion:278 Resp: 61634

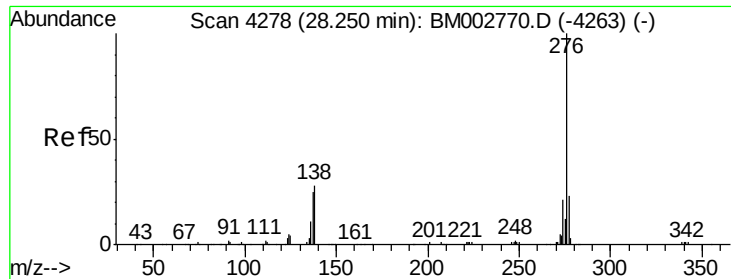
Ion Ratio Lower Upper

278 100

139 0.0 17.0 25.6#

279 26.1 19.0 28.6





#94

Benzo(g,h,i)perylene

Concen: 6.92 ng/ul

RT: 28.25 min Scan# 4278

Delta R.T. -0.00 min

Lab File: BM002782.D

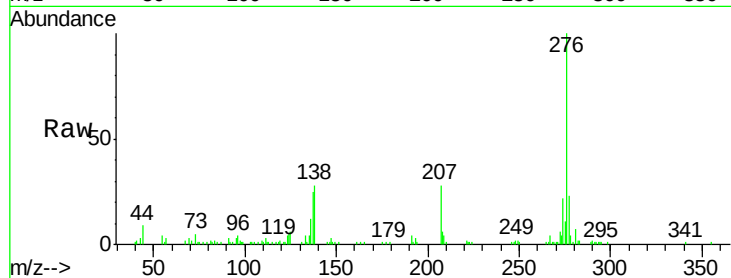
Acq: 30 Sep 2015 13:16

Instrument :

BNA_M

ClientSampleId :

E5MX1



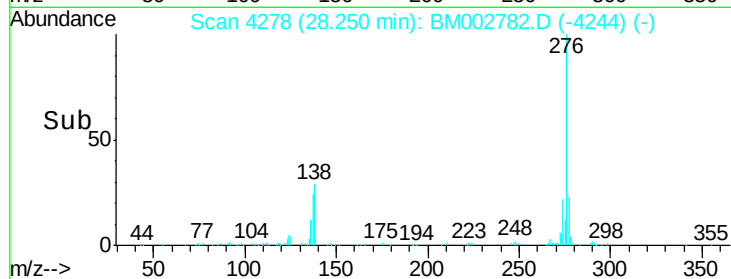
Tgt Ion: 276 Resp: 176148

Ion Ratio Lower Upper

276 100

138 28.4 21.8 32.8

277 23.3 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

