

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
 Data File : BM002179.D
 Acq On : 02 Aug 2015 21:16
 Operator : TP
 Sample : G3073-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01L3

Quant Time: Aug 03 02:09:13 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 02:05:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	57432	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	249695	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.22	164	155111	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.98	188	352307	20.00	ng/ul	0.00
78) Chrysene-d12	21.19	240	372064	20.00	ng/ul	0.00
86) Perylene-d12	23.38	264	307628	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	2057	1.85	ng/uL	0.00
5) Phenol-d5	6.74	99	61432	14.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.89	67	32602	14.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	52415	15.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	41486	12.71	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	25812	14.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	29903	15.16	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	55820	14.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	26452	6.34	ng/ul	0.00
44) Dimethylphthalate-d6	13.64	166	171701	15.11	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	215853	15.19	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	15479	8.16	ng/ul	0.00
58) Fluorene-d10	15.22	176	156344	15.64	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.37	200	8033	3.73	ng/ul	0.00
71) Anthracene-d10	17.07	188	237390	15.10	ng/ul	0.00
79) Pyrene-d10	19.39	212	259903	16.59	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.24	264	211144	14.16	ng/ul	0.01

Target Compounds

						Qvalue
14) Acetophenone	8.38	105	6440	1.25	ng/ul	94
28) Naphthalene	10.39	128	14451	1.22	ng/ul	98
34) 2-Methylnaphthalene	12.02	142	9333	1.08	ng/ul	99
45) Dimethylphthalate	13.69	163	60806	5.36	ng/ul	99
48) Acenaphthylene	13.94	152	18054	1.23	ng/ul	98
70) Phenanthrene	17.02	178	135550	7.43	ng/ul	99
72) Anthracene	17.11	178	50685	2.72	ng/ul	96
75) Carbazole	17.39	167	16337	1.03	ng/ul#	89
76) Di-n-butylphthalate	17.94	149	148257	7.80	ng/ul	98
77) Fluoranthene	19.04	202	368721	17.50	ng/ul	99
80) Pyrene	19.42	202	338757	16.73	ng/ul	98
81) Butylbenzylphthalate	20.32	149	34993	4.53	ng/ul	92
83) Benzo(a)anthracene	21.17	228	202700	9.83	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.12	149	9589598	810.01	ng/ul#	92
85) Chrysene	21.22	228	265121	13.74	ng/ul	98
88) Benzo(b)fluoranthene	22.72	252	337956	19.55	ng/ul#	95
89) Benzo(k)fluoranthene	22.72	252	229959	13.79	ng/ul#	96
91) Benzo(a)pyrene	23.29	252	178312	10.69	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	25.58	276	140668	7.32	ng/ul	96
93) Dibenzo(a,h)anthracene	25.58	278	41660	2.53	ng/ul#	89
94) Benzo(g,h,i)perylene	26.25	276	128005	7.94	ng/ul	98

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ALS Vial : 17 Sample Multiplier: 1

Instrument :
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Quant Time: Aug 03 02:09:13 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 02:05:53 2015
Response via : Initial Calibration

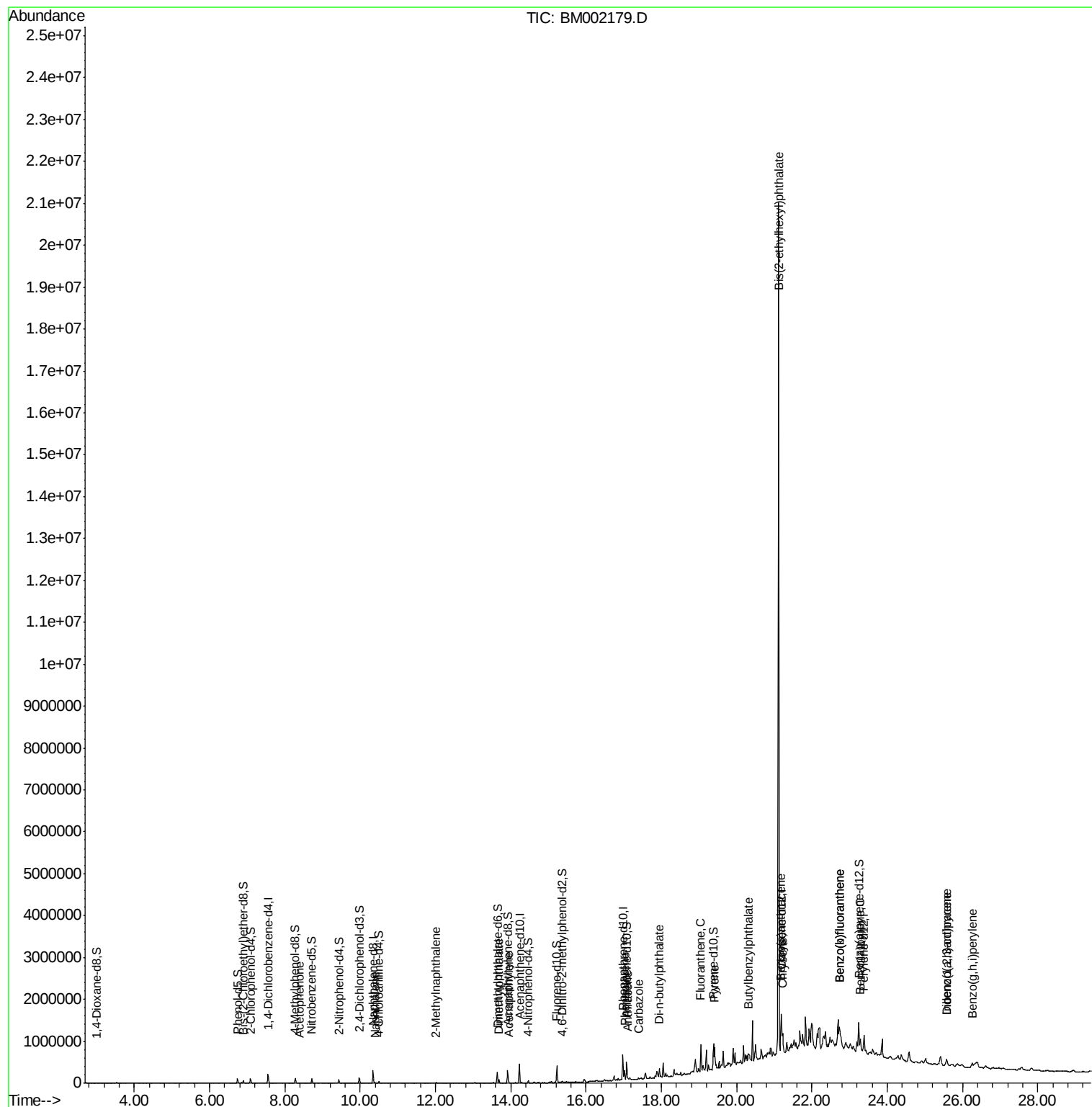
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

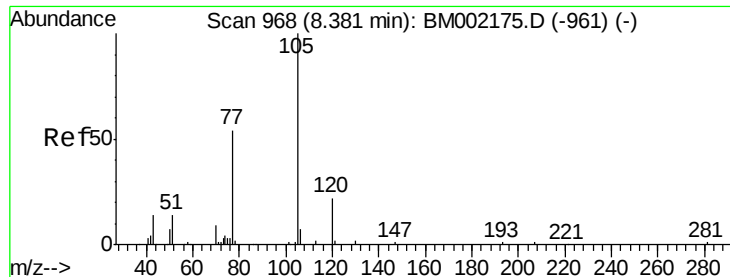
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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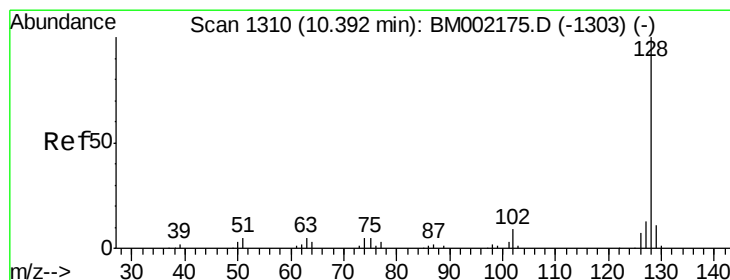
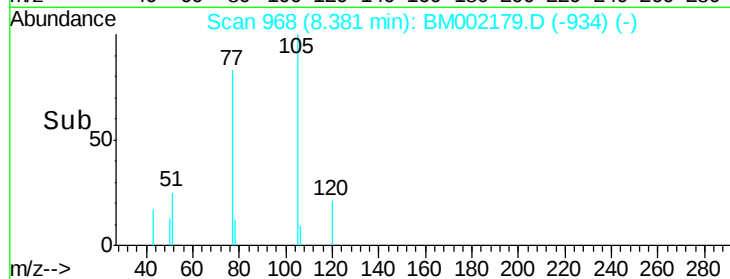
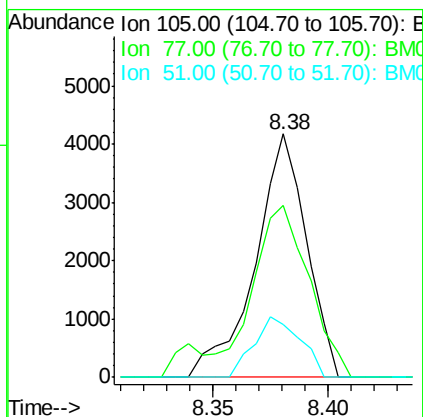
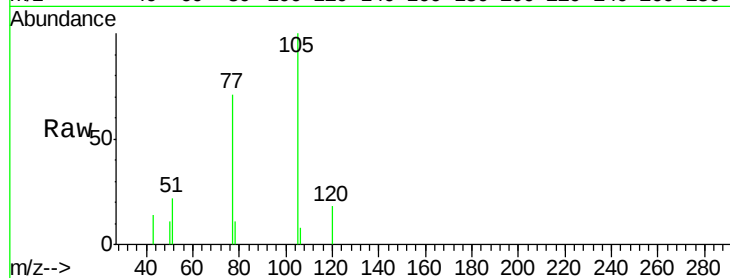




#14
Acetophenone
Concen: 1.25 ng/ul
RT: 8.38 min Scan# 968
Delta R.T. -0.00 min
Lab File: BM002179.D
Acq: 02 Aug 2015 21:16

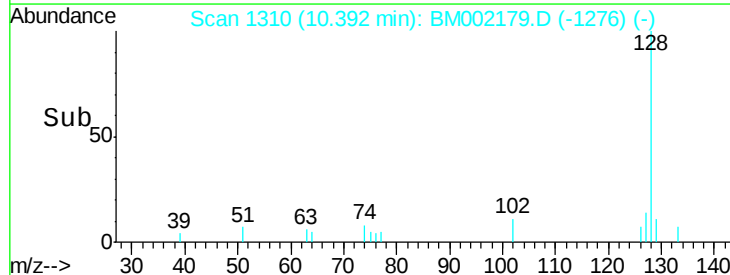
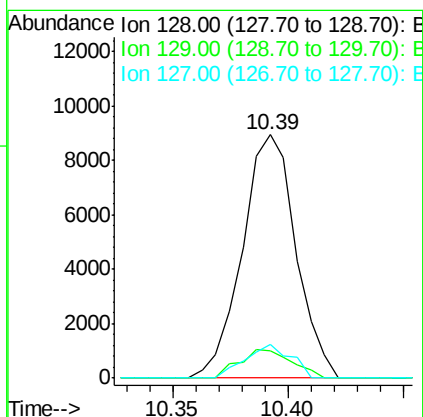
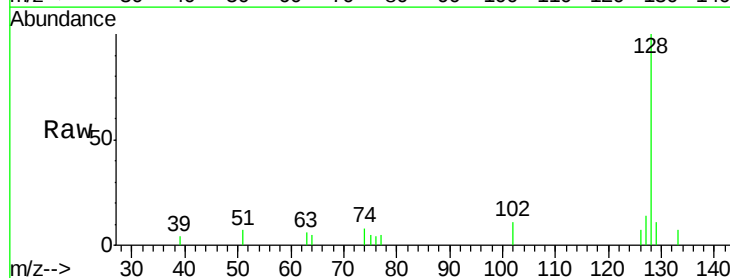
Instrument :
BNA_M
ClientSampled :
C01L3

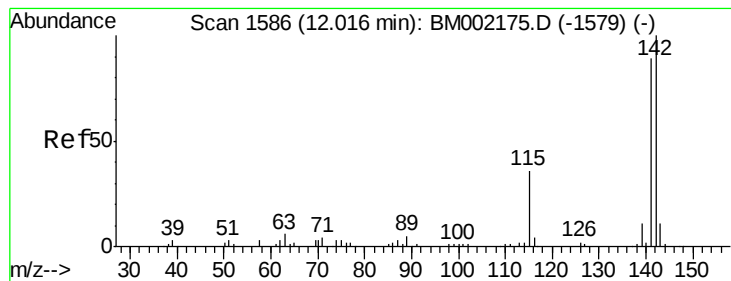
Tgt Ion:105 Resp: 6440
Ion Ratio Lower Upper
105 100
77 70.8 61.8 92.8
51 21.8 18.5 27.7



#28
Naphthalene
Concen: 1.22 ng/ul
RT: 10.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BM002179.D
Acq: 02 Aug 2015 21:16

Tgt Ion:128 Resp: 14451
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 14.1 10.2 15.4





#34

2-Methylnaphthalene

Concen: 1.08 ng/ul

RT: 12.02 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BM002179.D

Acq: 02 Aug 2015 21:16

Instrument :

BNA_M

ClientSampleId :

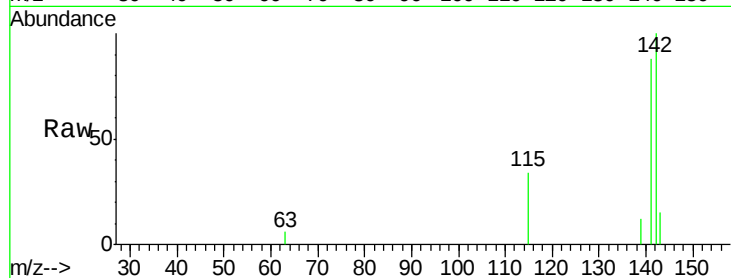
C01L3

Tgt Ion:142 Resp: 9333

Ion Ratio Lower Upper

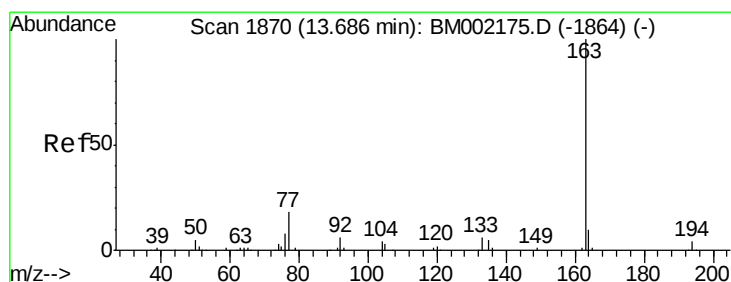
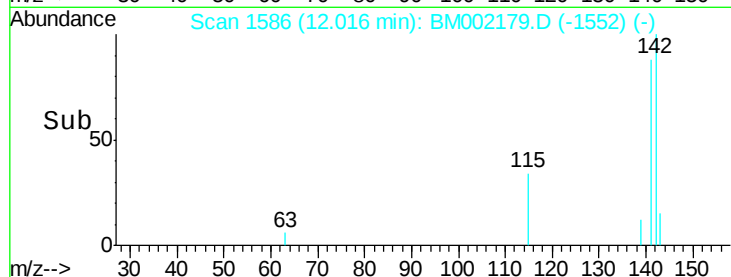
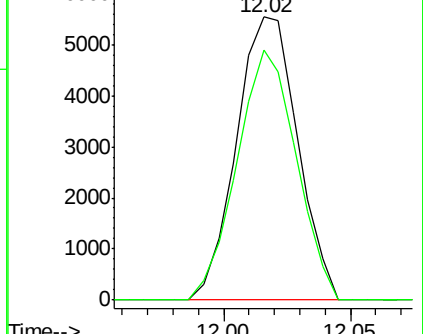
142 100

141 88.3 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#45

Dimethylphthalate

Concen: 5.36 ng/ul

RT: 13.69 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BM002179.D

Acq: 02 Aug 2015 21:16

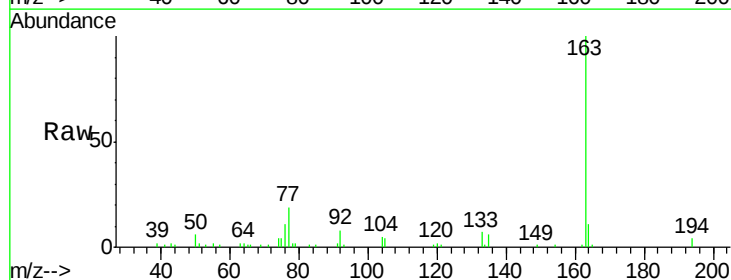
Tgt Ion:163 Resp: 60806

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

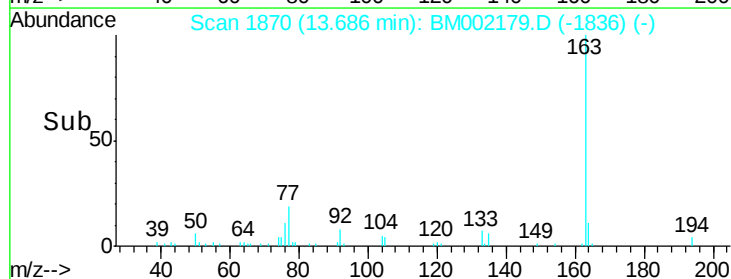
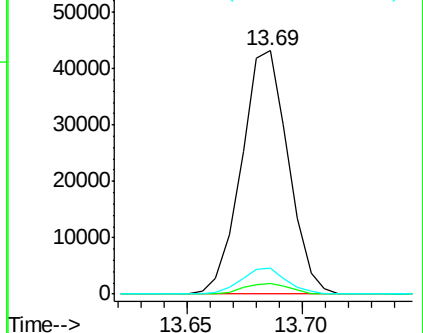
164 10.6 8.0 12.0

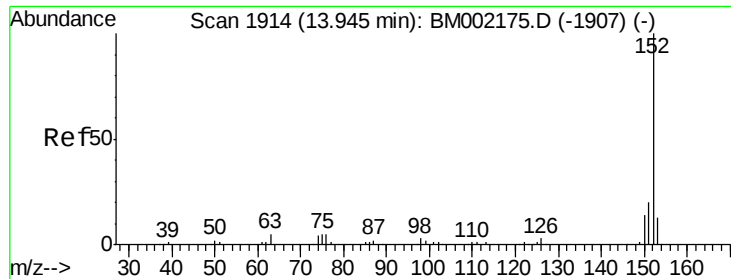


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 1.23 ng/ul

RT: 13.94 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BM002179.D

Acq: 02 Aug 2015 21:16

Instrument :

BNA_M

ClientSampleId :

C01L3

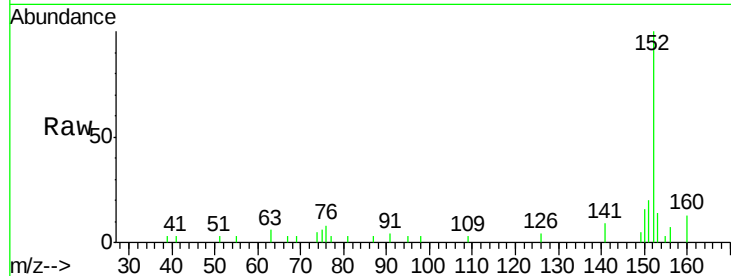
Tgt Ion:152 Resp: 18054

Ion Ratio Lower Upper

152 100

151 19.7 15.6 23.4

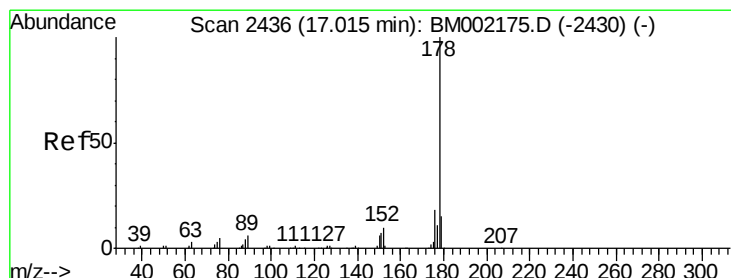
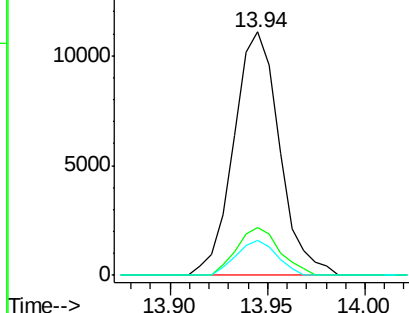
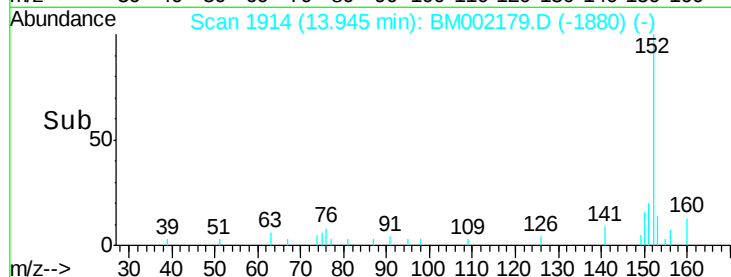
153 14.5 10.3 15.5



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



#70

Phenanthrene

Concen: 7.43 ng/ul

RT: 17.02 min Scan# 2437

Delta R.T. 0.01 min

Lab File: BM002179.D

Acq: 02 Aug 2015 21:16

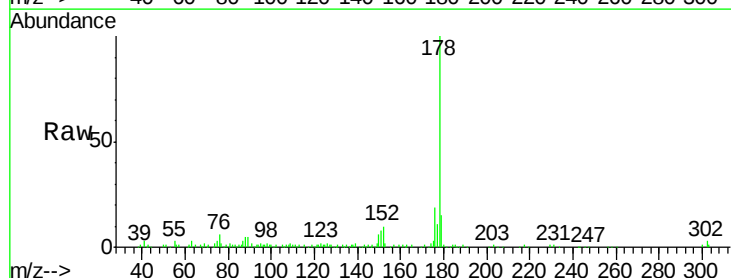
Tgt Ion:178 Resp: 135550

Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

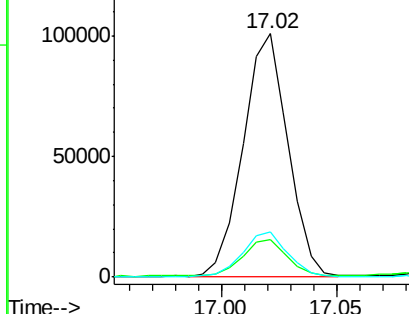
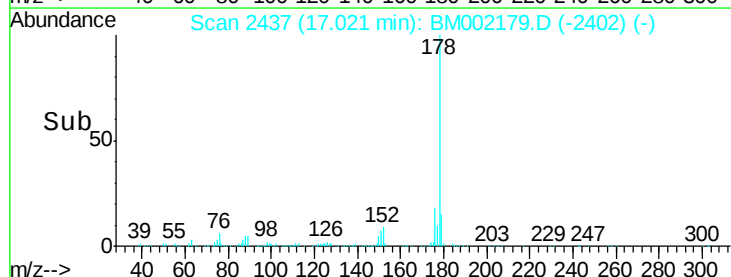
176 18.7 14.2 21.4

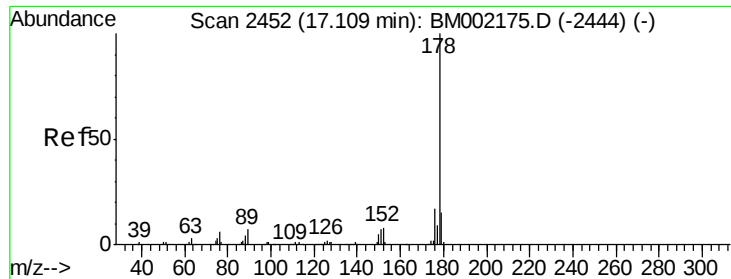


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.72 ng/ul

RT: 17.11 min Scan# 2452

Delta R.T. -0.00 min

Lab File: BM002179.D

Acq: 02 Aug 2015 21:16

Instrument :

BNA_M

ClientSampleId :

C01L3

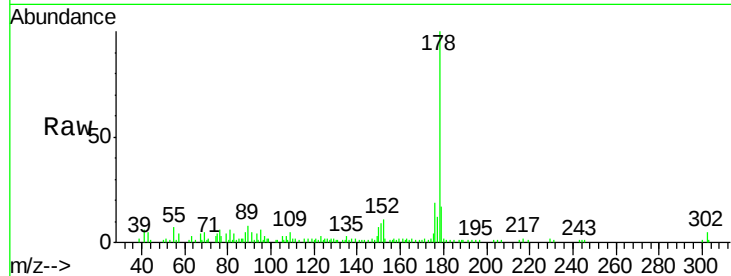
Tgt Ion:178 Resp: 50685

Ion Ratio Lower Upper

178 100

179 17.0 12.1 18.1

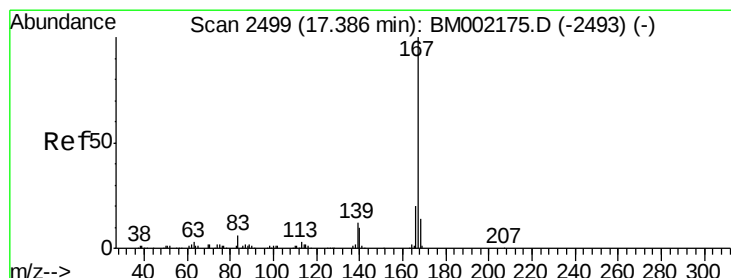
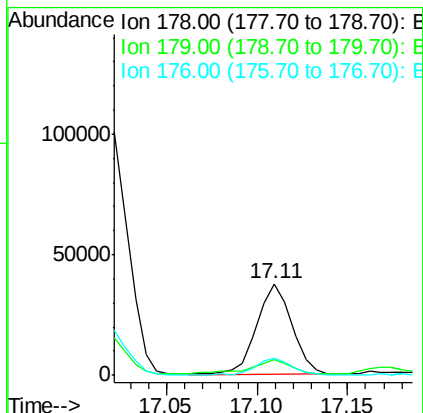
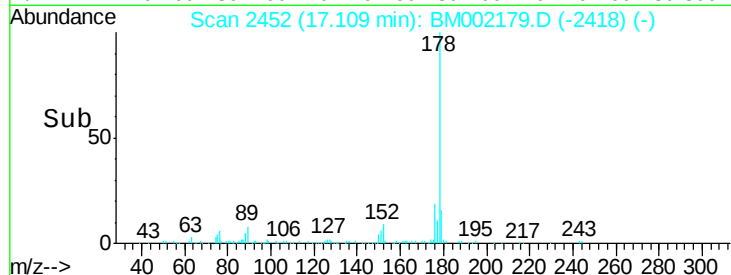
176 19.0 14.1 21.1



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: 1.03 ng/ul

RT: 17.39 min Scan# 2500

Delta R.T. 0.01 min

Lab File: BM002179.D

Acq: 02 Aug 2015 21:16

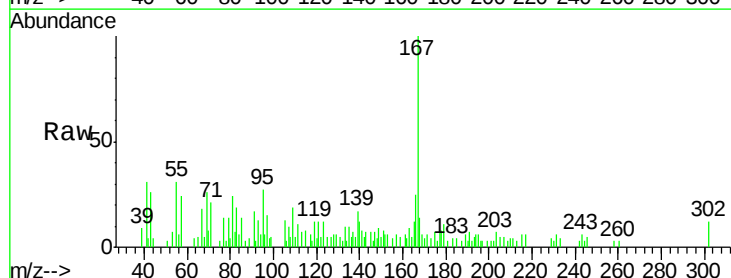
Tgt Ion:167 Resp: 16337

Ion Ratio Lower Upper

167 100

166 24.9 16.2 24.4#

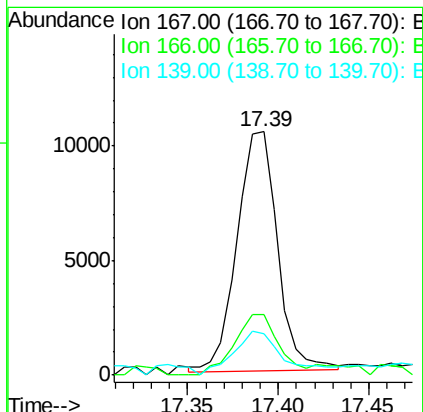
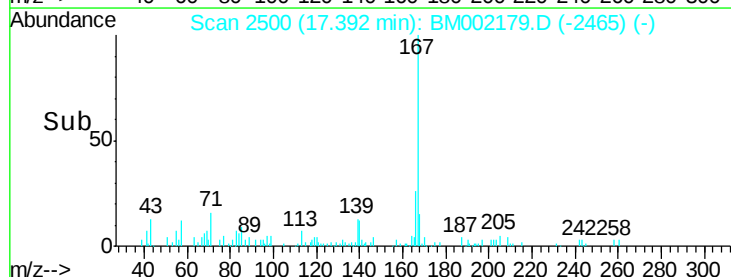
139 17.1 9.6 14.4#

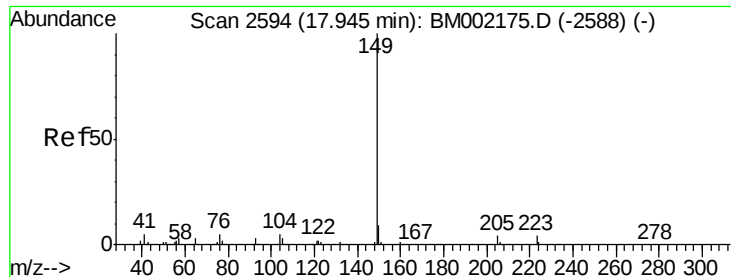


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

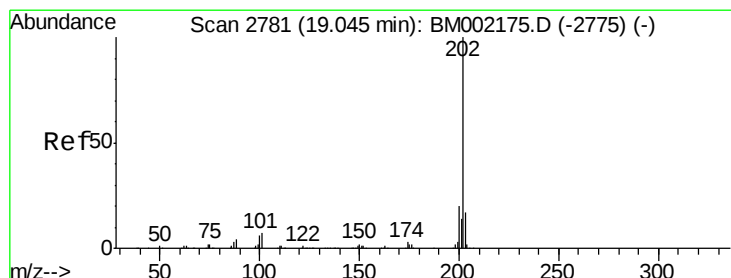
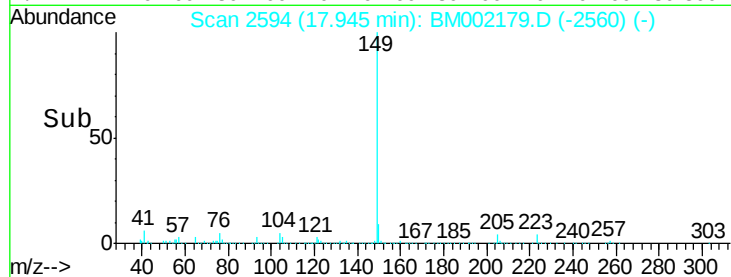
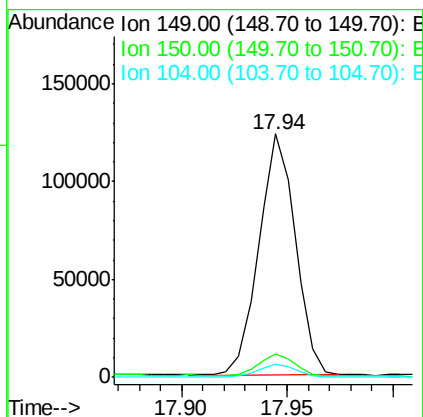
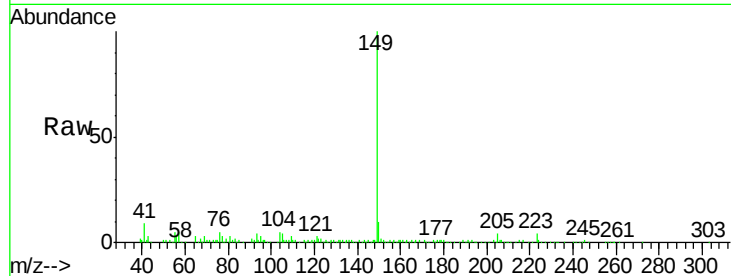




#76
Di-n-butylphthalate
Concen: 7.80 ng/ul
RT: 17.94 min Scan# 2594
Delta R.T. -0.00 min
Lab File: BM002179.D
Acq: 02 Aug 2015 21:16

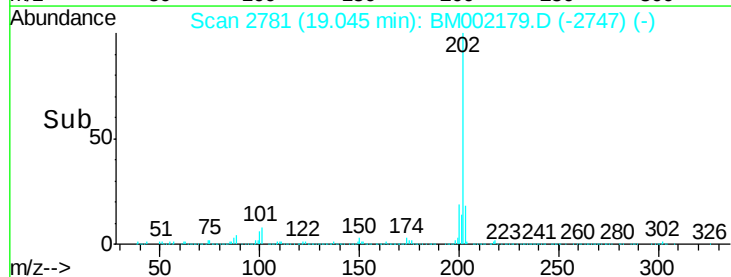
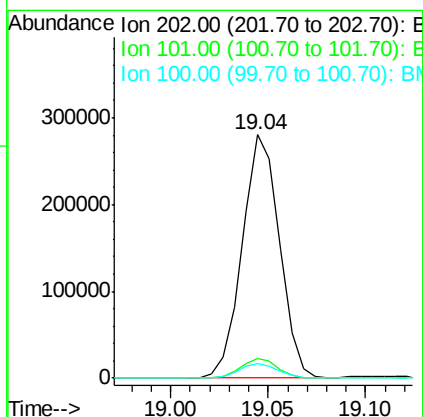
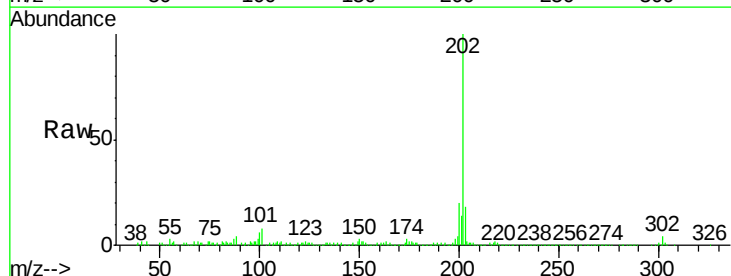
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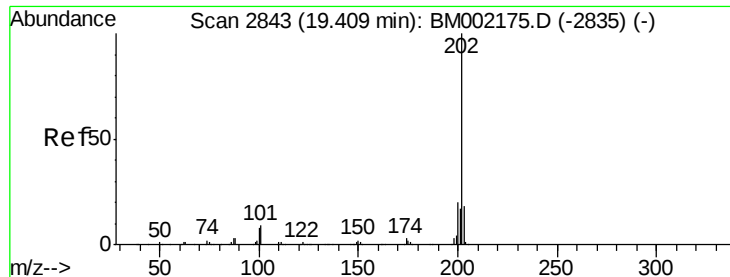
Tgt Ion:149 Resp: 148257
Ion Ratio Lower Upper
149 100
150 9.8 7.0 10.4
104 5.3 4.2 6.2



#77
Fluoranthene
Concen: 17.50 ng/ul
RT: 19.04 min Scan# 2781
Delta R.T. -0.00 min
Lab File: BM002179.D
Acq: 02 Aug 2015 21:16

Tgt Ion:202 Resp: 368721
Ion Ratio Lower Upper
202 100
101 8.2 6.2 9.4
100 6.0 5.2 7.8

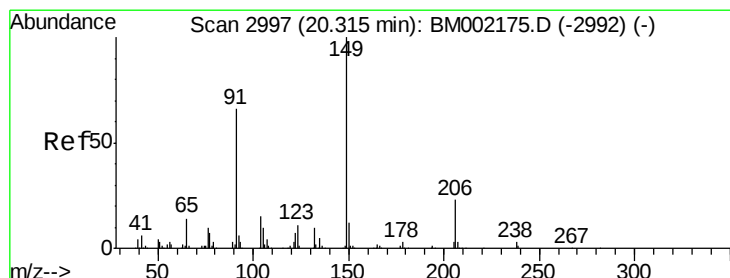
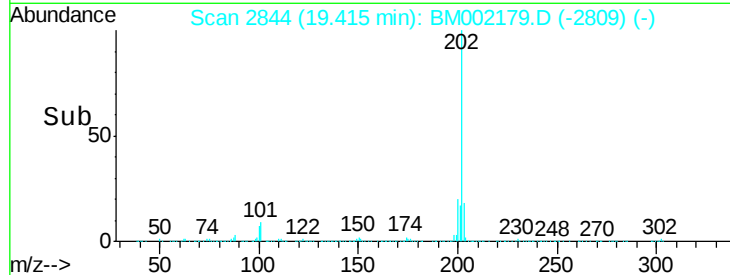
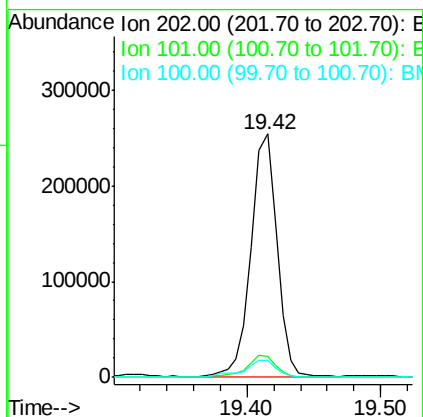
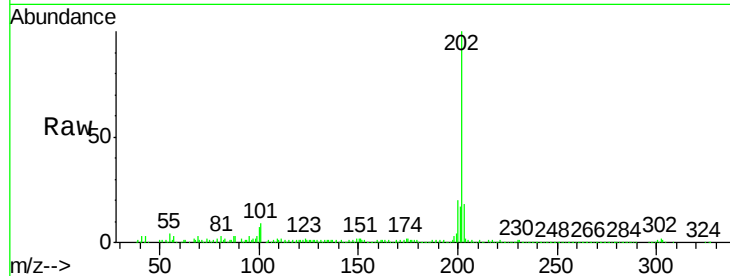




#80
 Pyrene
 Concen: 16.73 ng/ul
 RT: 19.42 min Scan# 2844
 Delta R.T. 0.01 min
 Lab File: BM002179.D
 Acq: 02 Aug 2015 21:16

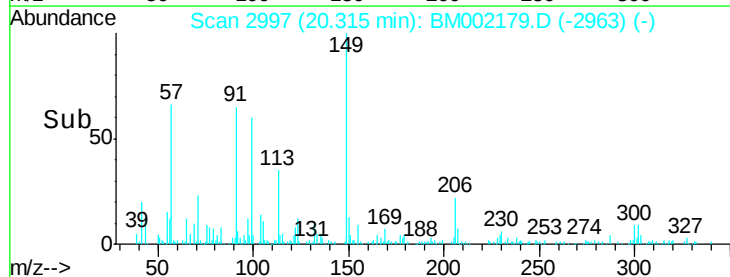
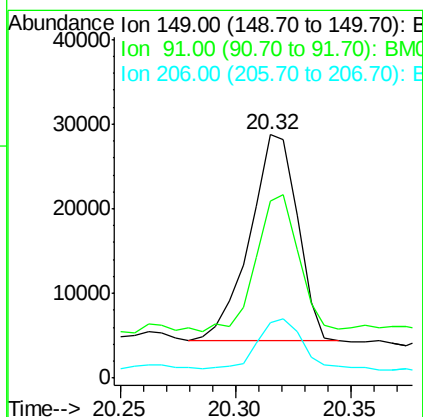
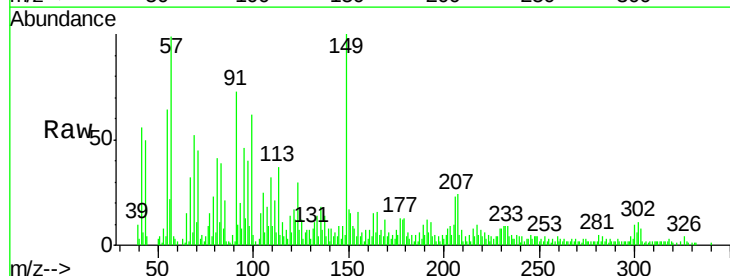
Instrument :
 BNA_M
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 C01L3

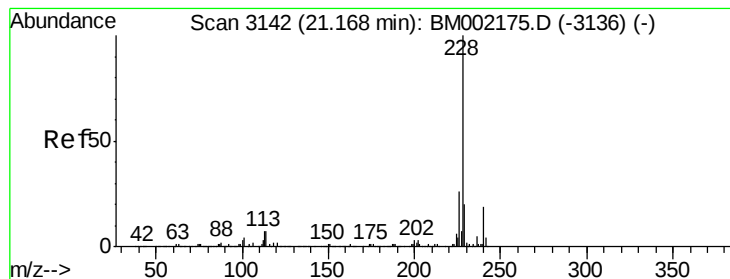
Tgt Ion:	202	Resp:	338757
Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.4	11.2
100	7.3	6.3	9.5



#81
 Butylbenzylphthalate
 Concen: 4.53 ng/ul
 RT: 20.32 min Scan# 2997
 Delta R.T. -0.00 min
 Lab File: BM002179.D
 Acq: 02 Aug 2015 21:16

Tgt Ion:	149	Resp:	34993
Ion	Ratio	Lower	Upper
149	100		
91	72.8	52.4	78.6
206	22.8	19.9	29.9





#83

Benzo(a)anthracene

Concen: 9.83 ng/ul

RT: 21.17 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BM002179.D

Acq: 02 Aug 2015 21:16

Instrument :

BNA_M

ClientSampleId :

C01L3

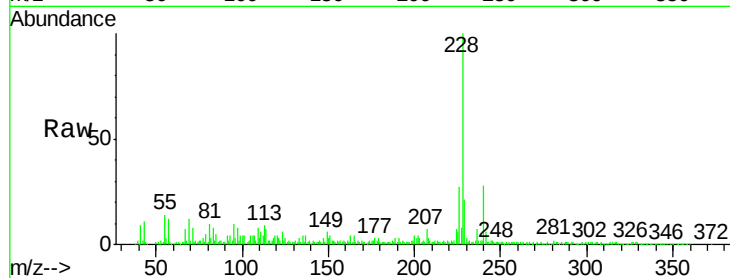
Tgt Ion:228 Resp: 202700

Ion Ratio Lower Upper

228 100

229 21.2 15.4 23.2

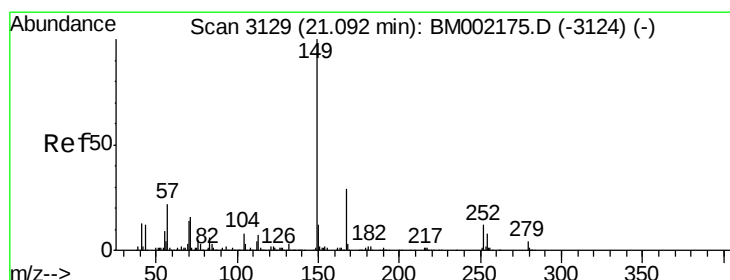
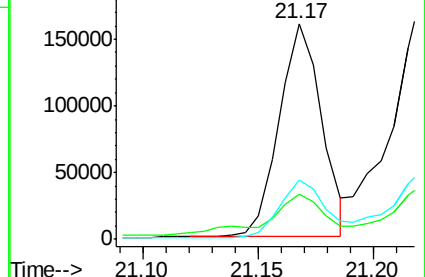
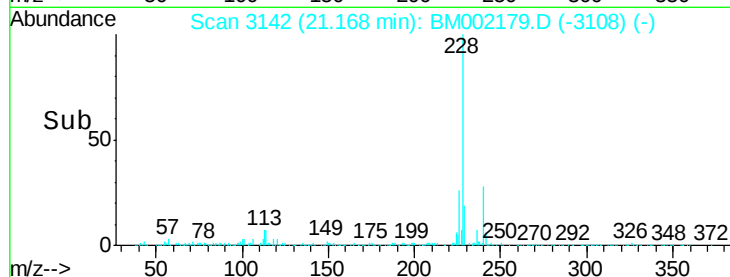
226 27.4 20.5 30.7



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 810.01 ng/ul

RT: 21.12 min Scan# 3133

Delta R.T. 0.02 min

Lab File: BM002179.D

Acq: 02 Aug 2015 21:16

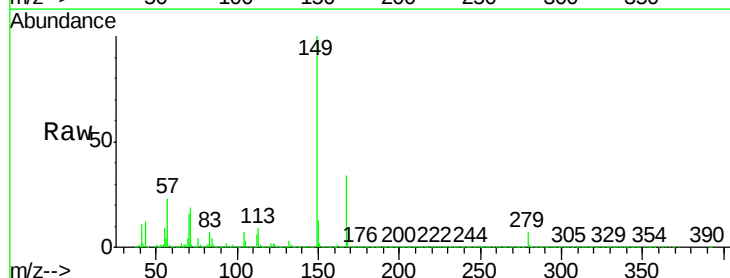
Tgt Ion:149 Resp: 9589598

Ion Ratio Lower Upper

149 100

167 34.4 23.6 35.4

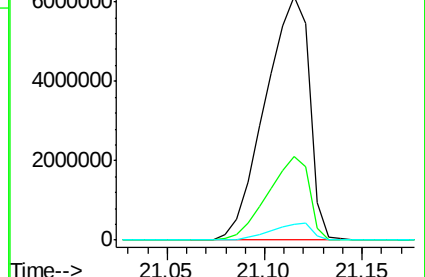
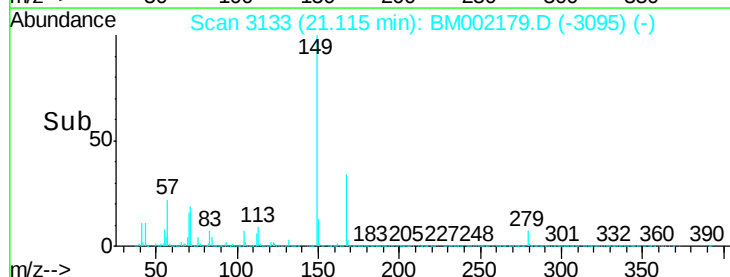
279 6.7 4.2 6.4#

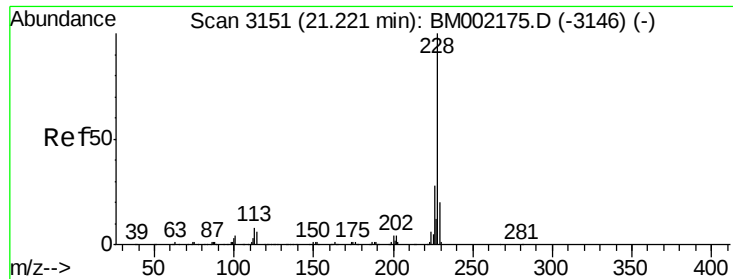


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 13.74 ng/ul

RT: 21.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BM002179.D

Acq: 02 Aug 2015 21:16

Instrument :

BNA_M

ClientSampleId :

C01L3

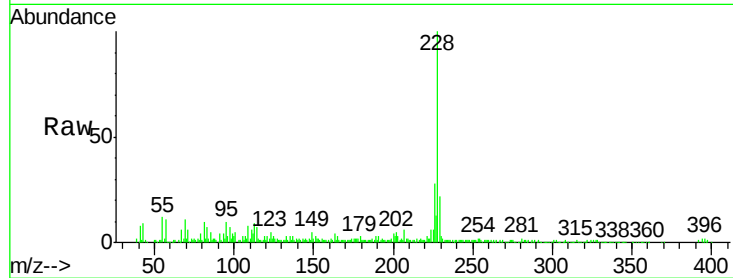
Tgt Ion:228 Resp: 265121

Ion Ratio Lower Upper

228 100

226 27.7 22.3 33.5

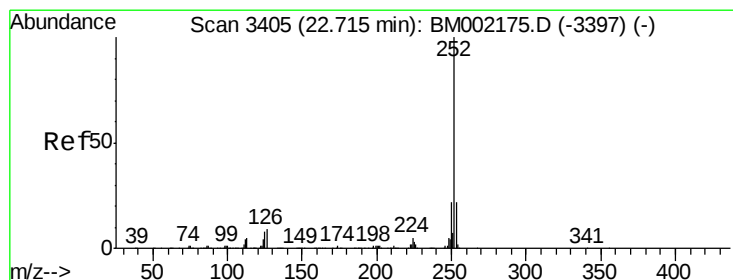
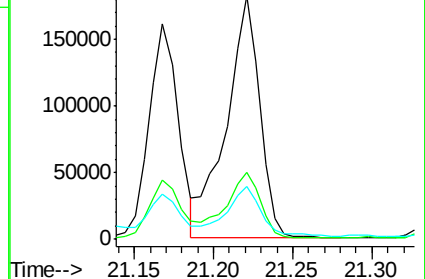
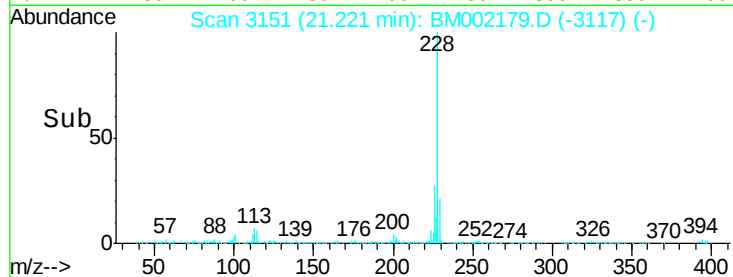
229 21.9 15.5 23.3



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



#88

Benzo(b)fluoranthene

Concen: 19.55 ng/ul

RT: 22.72 min Scan# 3406

Delta R.T. 0.01 min

Lab File: BM002179.D

Acq: 02 Aug 2015 21:16

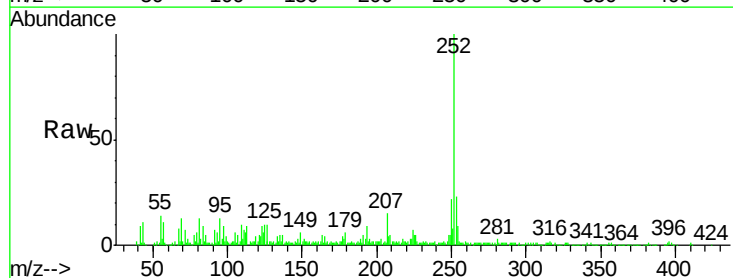
Tgt Ion:252 Resp: 337956

Ion Ratio Lower Upper

252 100

253 23.1 16.9 25.3

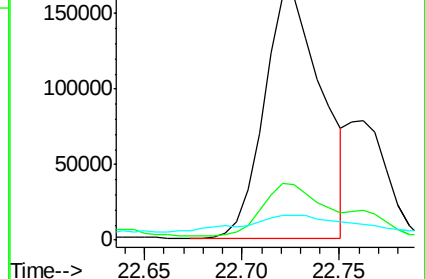
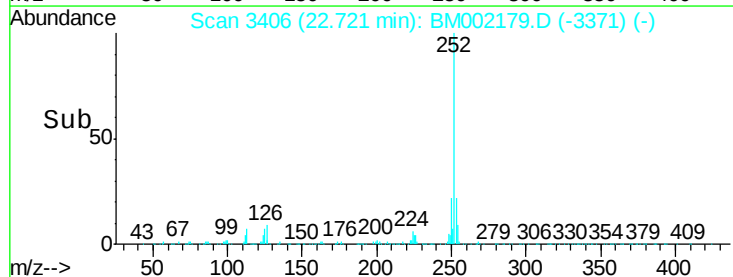
125 10.3 6.2 9.2#

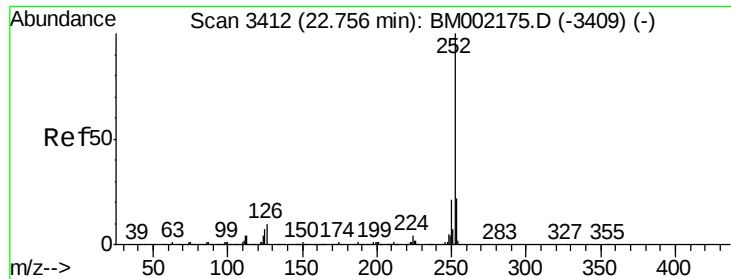


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 13.79 ng/ul

RT: 22.72 min Scan# 3406

Delta R.T. -0.04 min

Lab File: BM002179.D

Acq: 02 Aug 2015 21:16

Instrument :

BNA_M

ClientSampleId :

C01L3

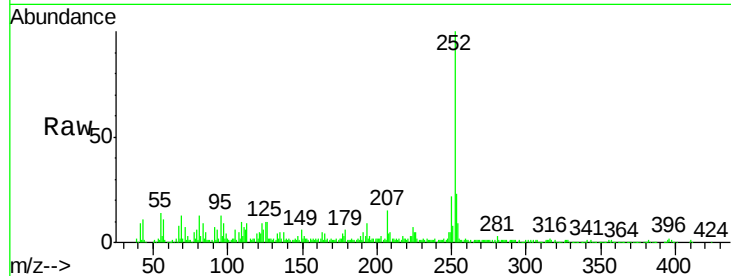
Tgt Ion:252 Resp: 229959

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

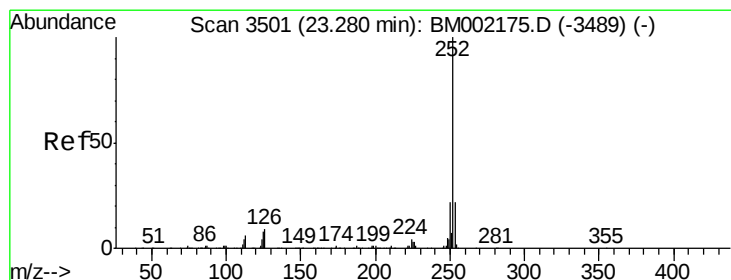
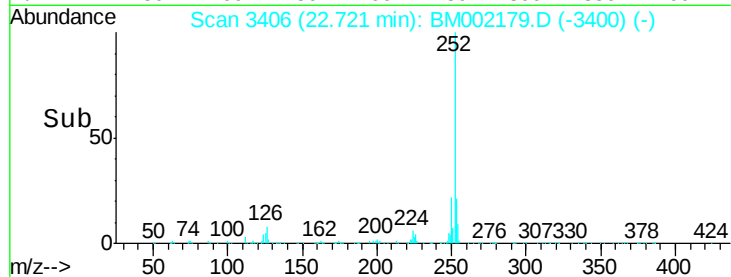
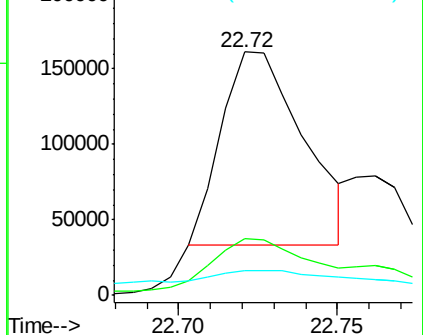
125 10.3 6.2 9.4#



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: 10.69 ng/ul

RT: 23.29 min Scan# 3502

Delta R.T. 0.01 min

Lab File: BM002179.D

Acq: 02 Aug 2015 21:16

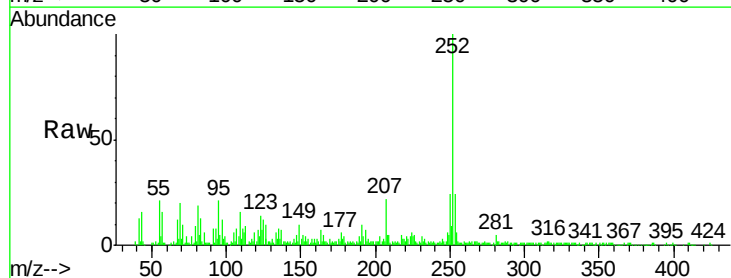
Tgt Ion:252 Resp: 178312

Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

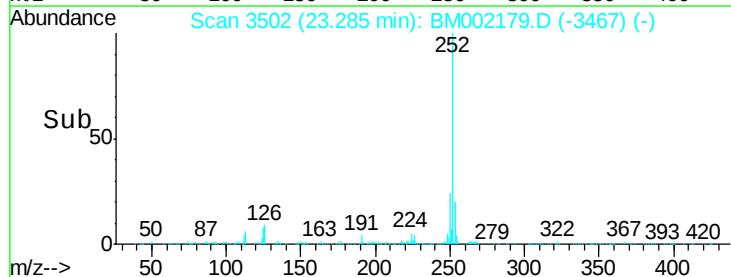
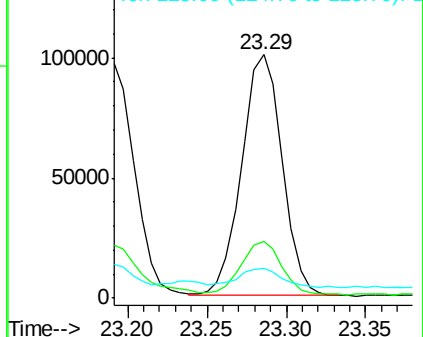
125 12.4 6.6 10.0#

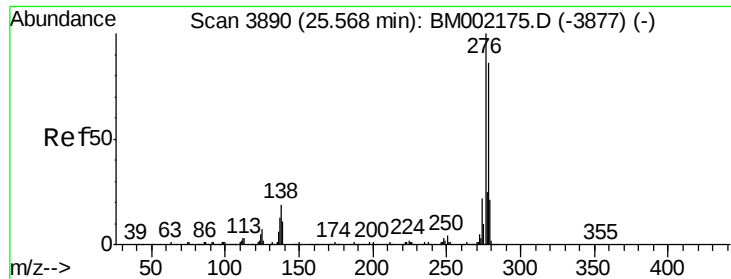


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

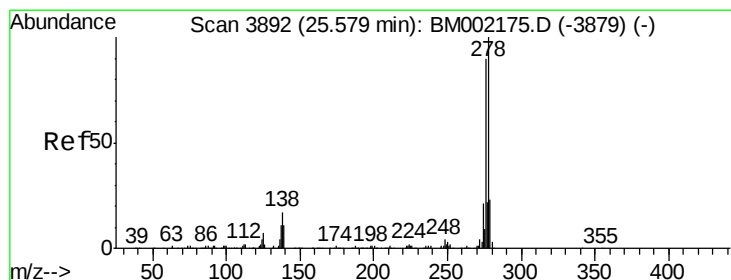
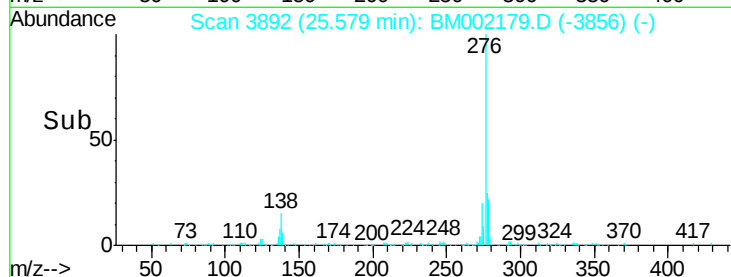
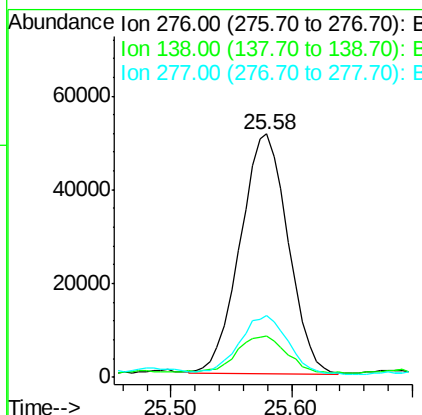
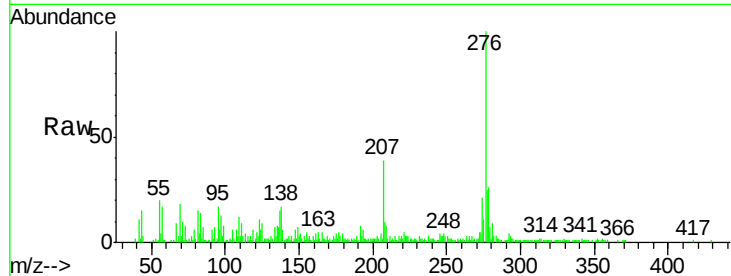




#92
 Indeno(1,2,3-cd)pyrene
 Concen: 7.32 ng/ul
 RT: 25.58 min Scan# 3892
 Delta R.T. 0.01 min
 Lab File: BM002179.D
 Acq: 02 Aug 2015 21:16

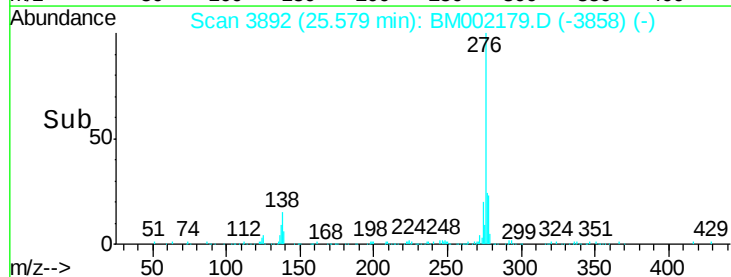
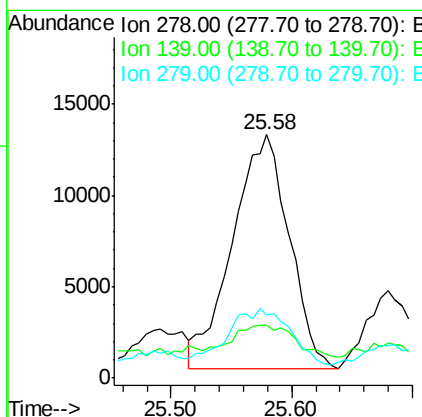
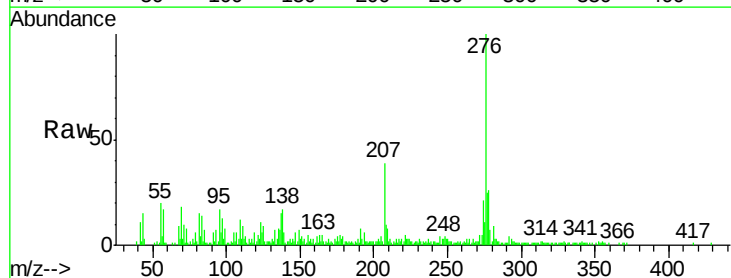
Instrument :
 BNA_M
 ClientSampleId :
 C01L3

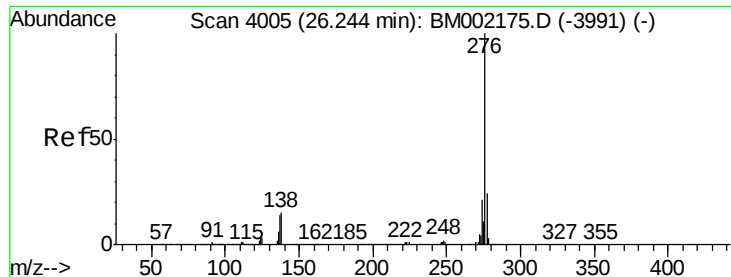
Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.0	16.2	24.2
277	25.5	19.8	29.8



#93
 Dibenzo(a,h)anthracene
 Concen: 2.53 ng/ul
 RT: 25.58 min Scan# 3892
 Delta R.T. -0.00 min
 Lab File: BM002179.D
 Acq: 02 Aug 2015 21:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.6	10.6	16.0#
279	25.8	18.5	27.7





#94

Benzo(g,h,i)perylene

Concen: 7.94 ng/ul

RT: 26.25 min Scan# 4006

Delta R.T. 0.01 min

Lab File: BM002179.D

Acq: 02 Aug 2015 21:16

Instrument :

BNA_M

ClientSampleId :

C01L3

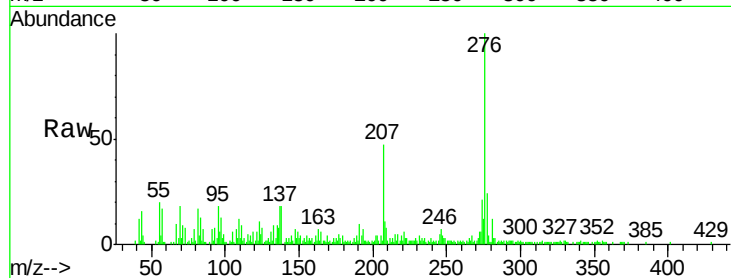
Tgt Ion: 276 Resp: 128005

Ion Ratio Lower Upper

276 100

138 17.5 13.8 20.6

277 24.0 18.2 27.2



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

