

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030218\
 Data File : BM014460.D
 Acq On : 02 Mar 2018 14:07
 Operator : SJ/JU
 Sample : J1678-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 02 17:59:19 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 02 14:54:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	76861	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	362400	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	254518	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	629847	20.00	ng/ul	0.00
75) Chrysene-d12	21.17	240	635534	20.00	ng/ul	0.02
83) Perylene-d12	23.40	264	618620	20.00	ng/ul	0.08

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	5394	3.00	ng/uL	0.00
5) Phenol-d5	6.72	99	194872	30.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	109578	27.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	159072	31.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	172011	30.26	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	79643	29.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	92873	33.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	183562	31.97	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	53810	9.51	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	675799	32.15	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	882430	34.05	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	79189	27.29	ng/ul	0.04
57) Fluorene-d10	15.18	176	648760	34.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	19546	5.17	ng/ul	0.02
70) Anthracene-d10	17.04	188	1069267	35.19	ng/ul	0.00
76) Pyrene-d10	19.36	212	1123683	34.28	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.26	264	1032725	34.30	ng/ul	0.08

Target Compounds

					Ovalue	
28) Naphthalene	10.33	128	50411	2.708	ng/ul#	91
34) 2-Methylnaphthalene	11.96	142	22250	1.571	ng/ul#	80
44) Dimethylphthalate	13.65	163	102607	4.951	ng/ul	98
47) Acenaphthylene	13.89	152	150370	6.138	ng/ul	100
49) Acenaphthene	14.24	153	112142	6.501	ng/ul	94
50) 2,4-Dinitrophenol	14.35	184	10020	4.731	ng/ul#	33
53) Dibenzofuran	14.58	168	79431	3.071	ng/ul	89
58) Fluorene	15.23	166	137704	6.167	ng/ul	99
69) Phenanthrene	16.99	178	2889019	79.611	ng/ul	99
71) Anthracene	17.07	178	686256	18.804	ng/ul	98
72) Carbazole	17.36	167	270664	8.820	ng/ul	94
73) Di-n-butylphthalate	17.92	149	2667818	67.385	ng/ul	99
74) Fluoranthene	19.02	202	5444418	125.575	ng/ul#	92
77) Pyrene	19.39	202	4538228	107.450	ng/ul#	92
80) Benzo(a)anthracene	21.16	228	2410301	60.768	ng/ul	94
82) Chrysene	21.16	228	2410301	65.141	ng/ul	96
85) Benzo(b)fluoranthene	22.74	252	4191066	101.180	ng/ul#	92
86) Benzo(k)fluoranthene	22.74	252	4191066	106.421	ng/ul#	90
88) Benzo(a)pyrene	23.31	252	2280759	61.618	ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	25.66	276	1345352	37.456	ng/ul#	91
91) Benzo(a,h,i)perylene	26.35	276	1120433	38.507	ng/ul#	86

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 02 14:54:45 2018
Response via : Initial Calibration

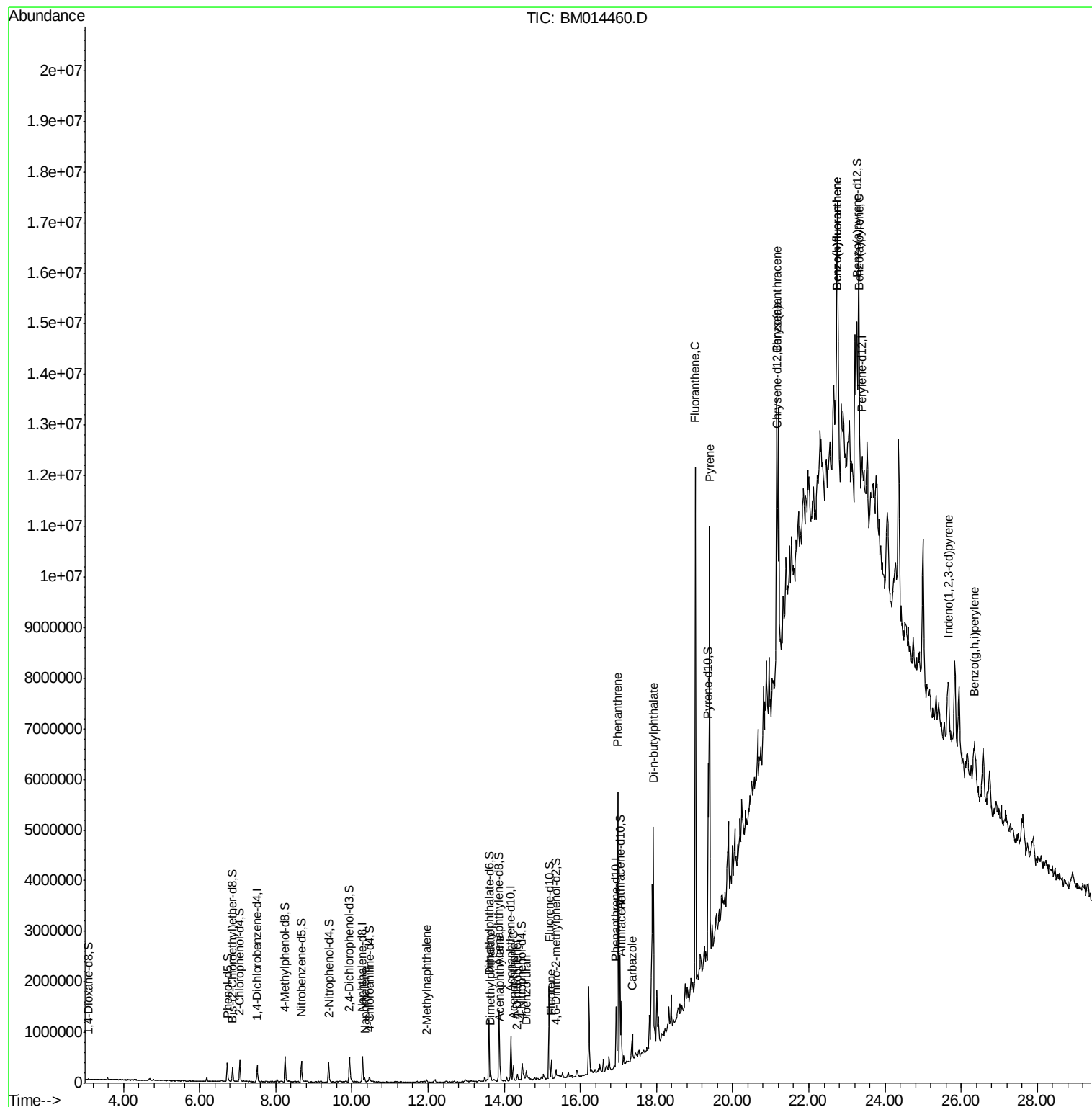
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

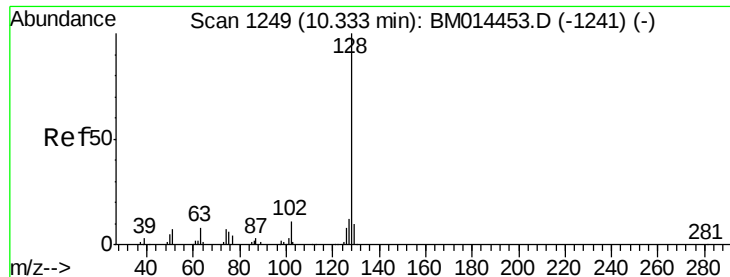
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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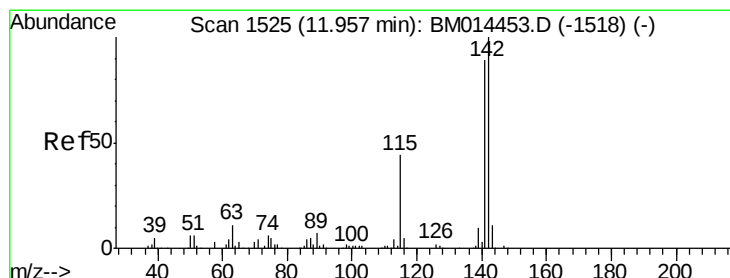
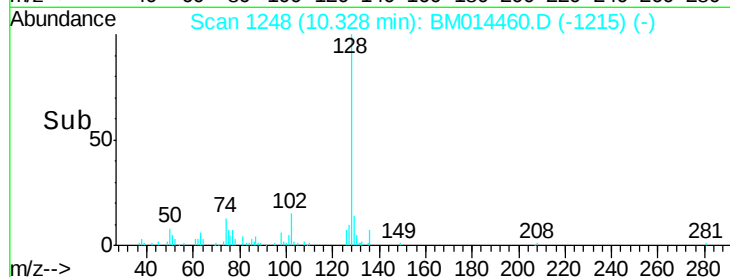
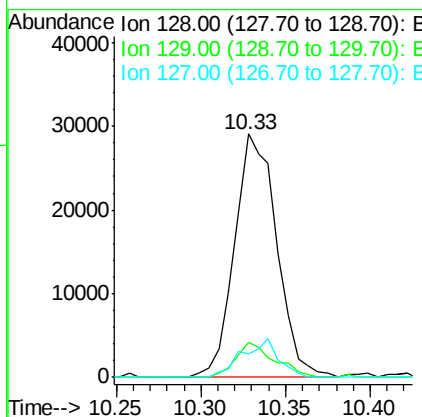
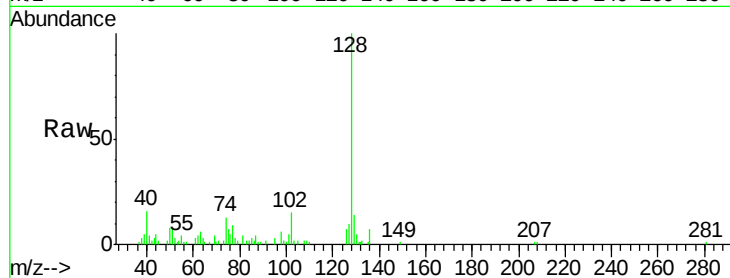




#28
Naphthalene
Concen: 2.708 ng/ul
RT: 10.33 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BM014460.D
Acq: 02 Mar 2018 14:07

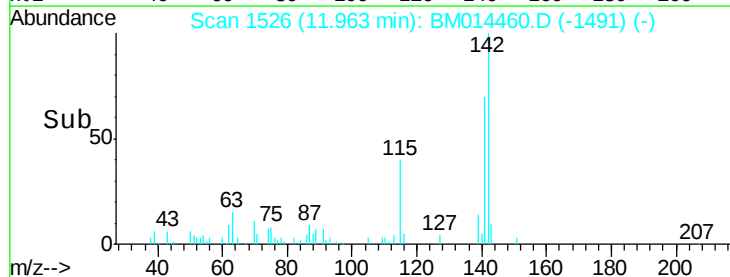
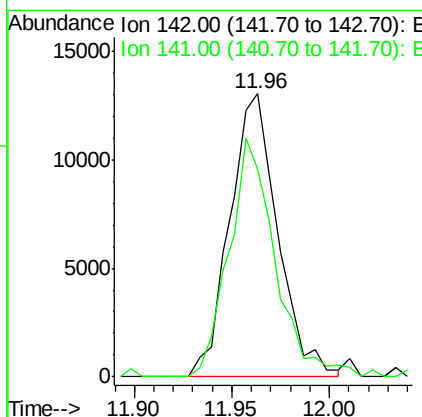
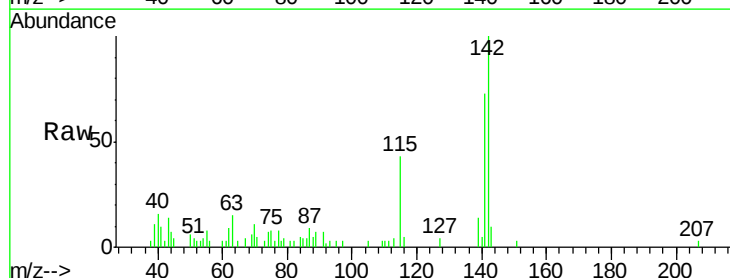
Instrument :
BNA_M
ClientSampleId :

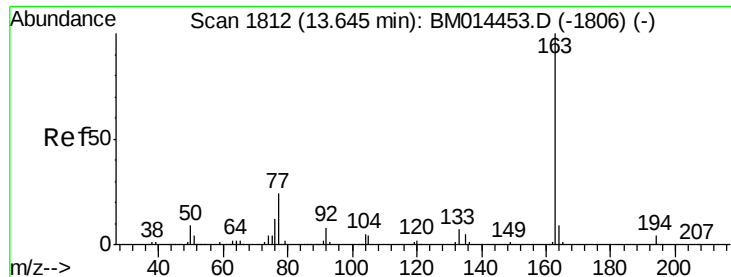
Tot Ion:128 Resp: 50411
Ion Ratio Lower Upper
128 100
129 14.1 8.8 13.2#
127 9.7 10.6 16.0#



#34
2-Methylnaphthalene
Concen: 1.571 ng/ul
RT: 11.96 min Scan# 1526
Delta R.T. 0.01 min
Lab File: BM014460.D
Acq: 02 Mar 2018 14:07

Tgt Ion:142 Resp: 22250
Ion Ratio Lower Upper
142 100
141 73.4 74.1 111.1#





#44

Dimethylphthalate

Concen: 4.951 ng/ul

RT: 13.65 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Instrument :

BNA_M

ClientSampleId :

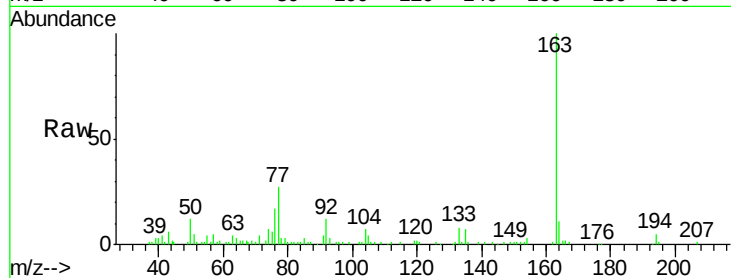
Tot Ion:163 Resp: 102607

Ion Ratio Lower Upper

163 100

194 4.8 3.5 5.3

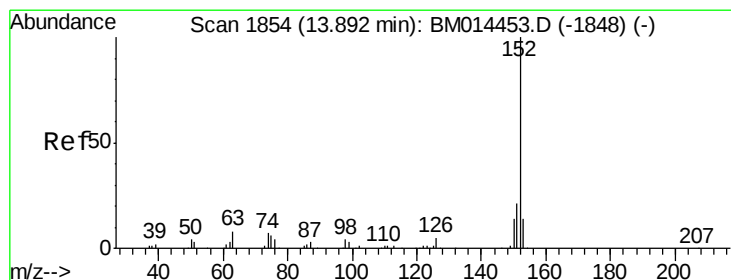
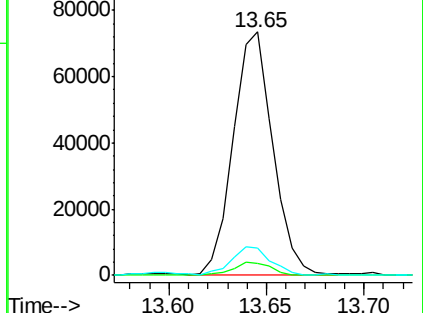
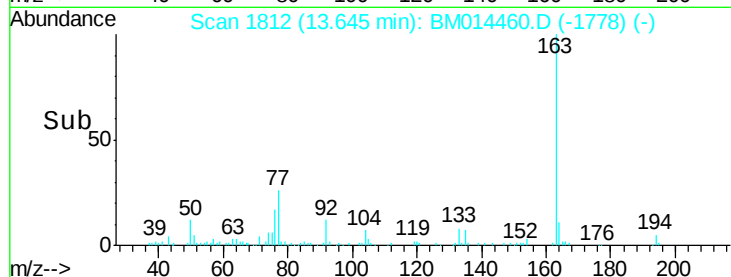
164 11.0 8.2 12.4



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



#47

Acenaphthylene

Concen: 6.138 ng/ul

RT: 13.89 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

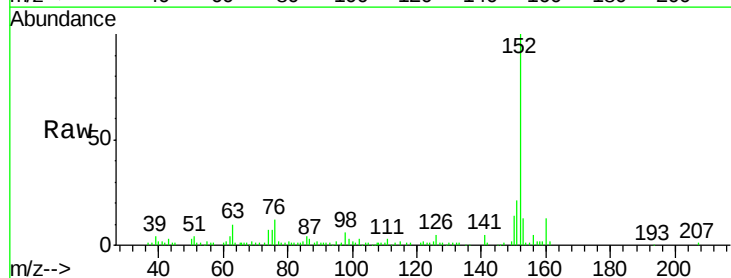
Tgt Ion:152 Resp: 150370

Ion Ratio Lower Upper

152 100

151 20.6 16.3 24.5

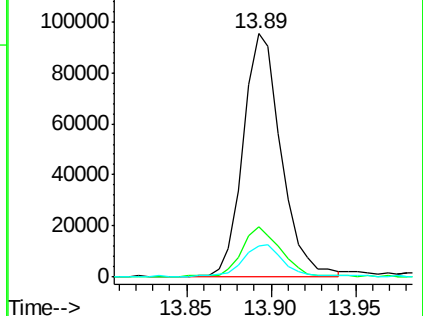
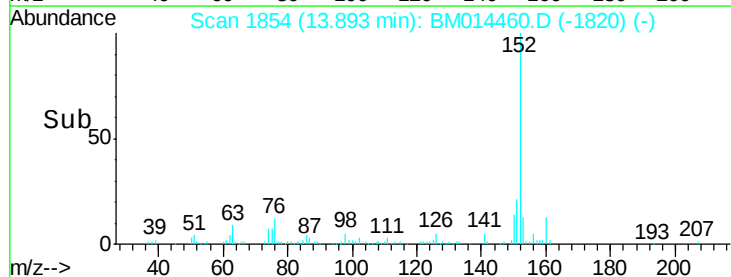
153 12.8 10.2 15.4

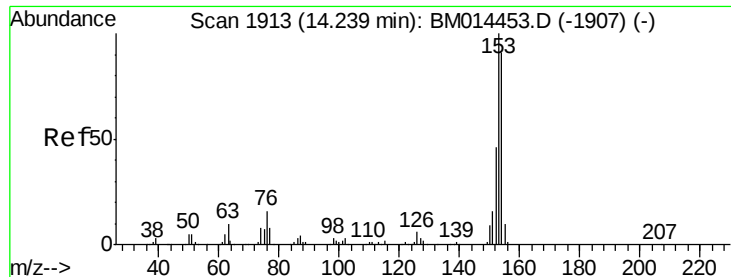


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 6.501 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. 0.00 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Instrument :

BNA_M

ClientSampleId :

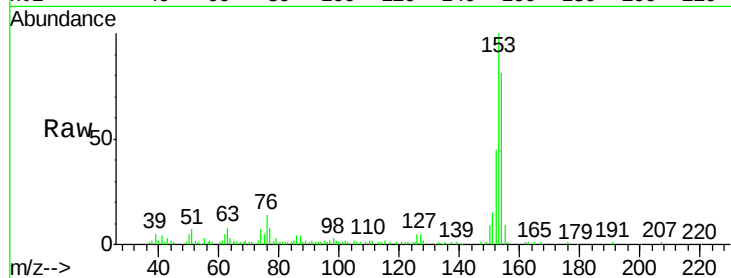
Tot Ion:153 Resp: 112142

Ion Ratio Lower Upper

153 100

152 45.1 37.6 56.4

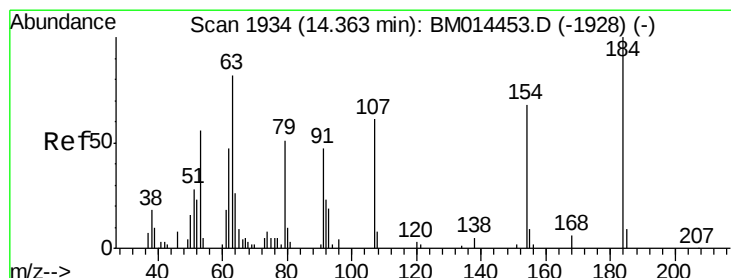
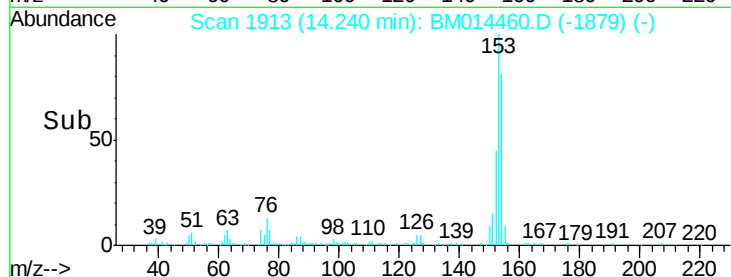
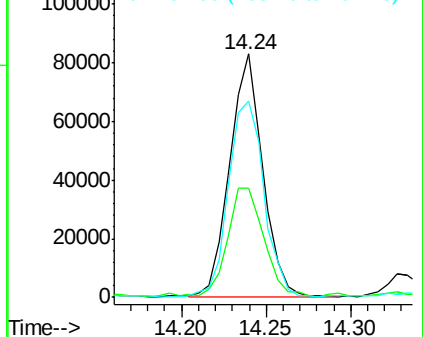
154 80.8 70.4 105.6



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



#50

2,4-Dinitrophenol

Concen: 4.731 ng/ul

RT: 14.35 min Scan# 1932

Delta R.T. 0.00 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

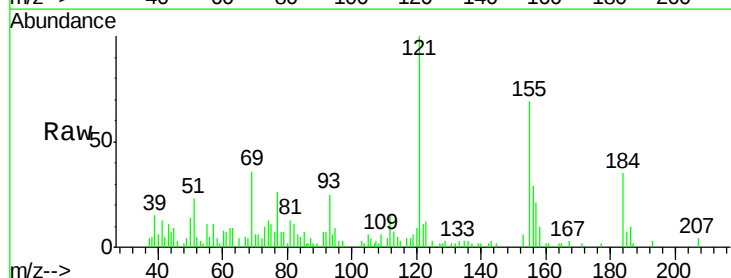
Tgt Ion:184 Resp: 10020

Ion Ratio Lower Upper

184 100

63 25.9 50.1 75.1#

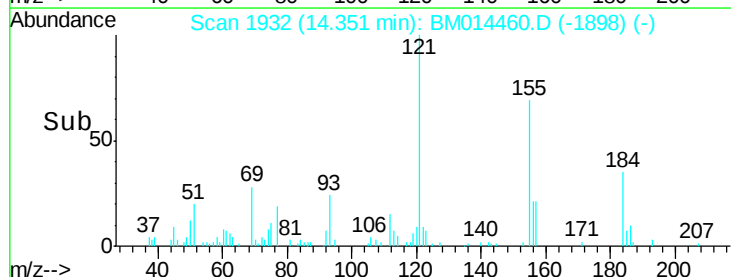
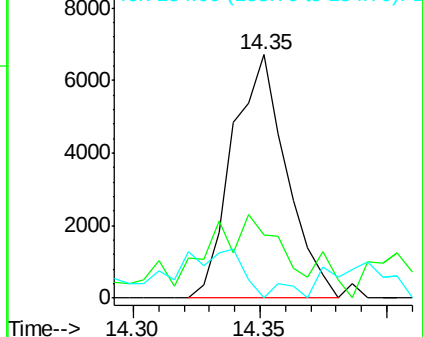
154 0.0 54.5 81.7#

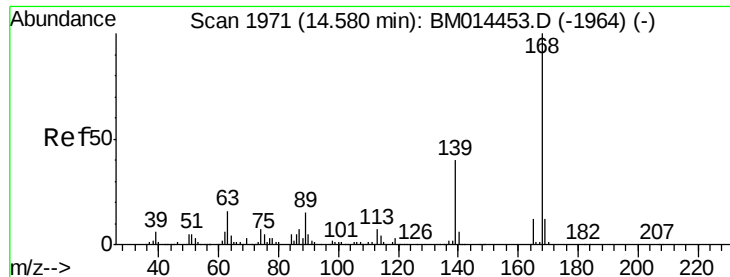


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 3.071 ng/ul

RT: 14.58 min Scan# 1971

Delta R.T. 0.00 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Instrument :

BNA_M

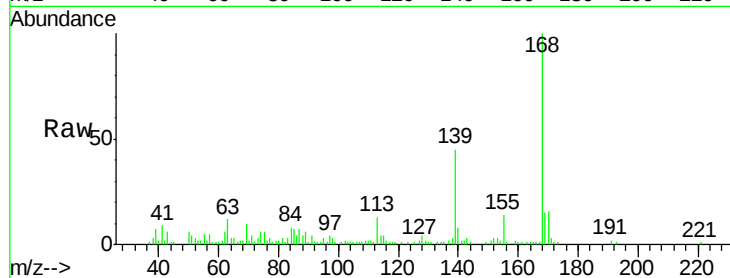
ClientSampleId :

Tot Ion:168 Resp: 79431

Ion Ratio Lower Upper

168 100

139 45.4 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.58

60000

50000

40000

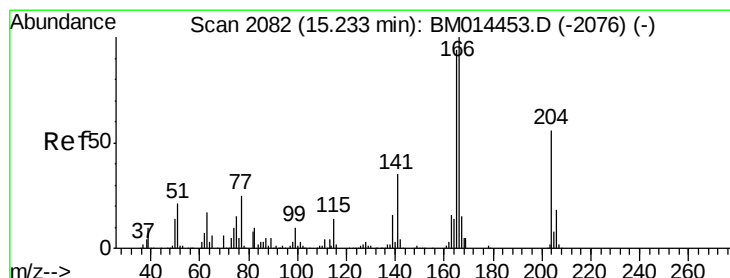
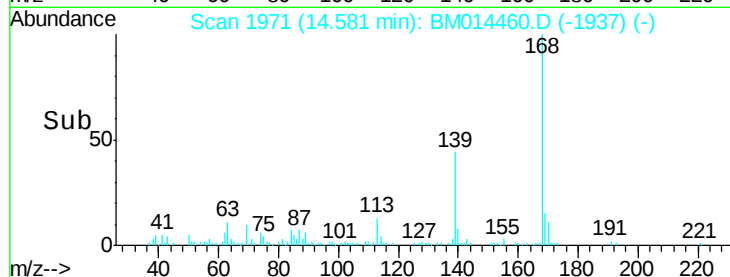
30000

20000

10000

0

Time--> 14.50 14.55 14.60 14.65



#58

Fluorene

Concen: 6.167 ng/ul

RT: 15.23 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

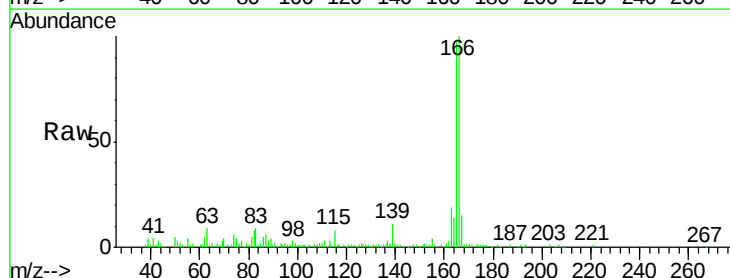
Tgt Ion:166 Resp: 137704

Ion Ratio Lower Upper

166 100

165 97.0 77.9 116.9

167 14.7 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

15.23

120000

100000

80000

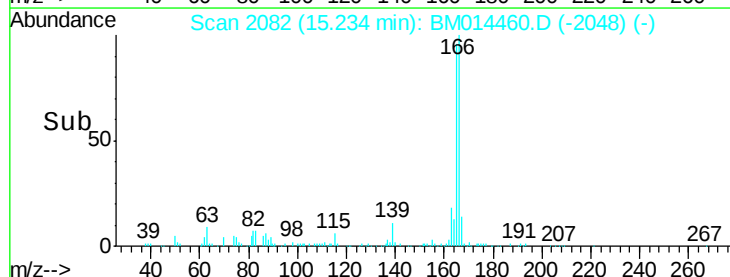
60000

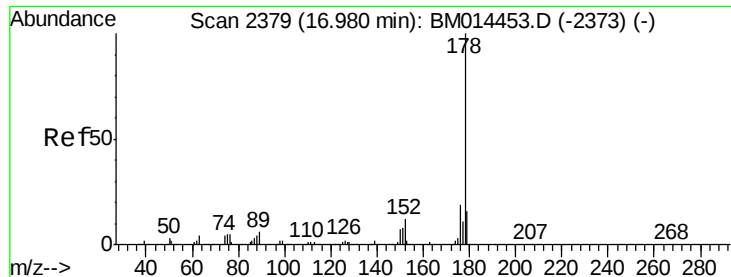
40000

20000

0

Time--> 15.20 15.25 15.30





#69

Phenanthrene

Concen: 79.611 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Instrument :

BNA_M

ClientSampled :

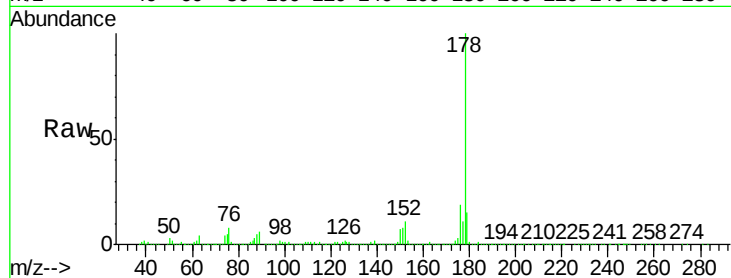
Tot Ion:178 Resp: 2889019

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0
176	19.1	14.9	22.3

178 100

179 15.4 12.6 19.0

176 19.1 14.9 22.3

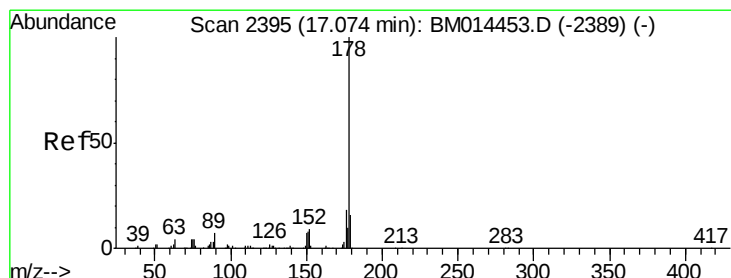
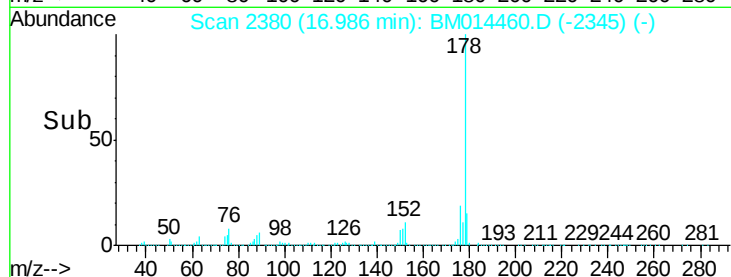
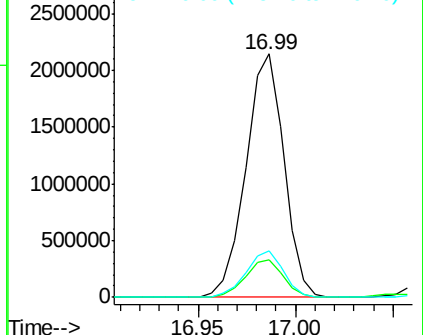


Abundance

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



#71

Anthracene

Concen: 18.804 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. 0.01 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

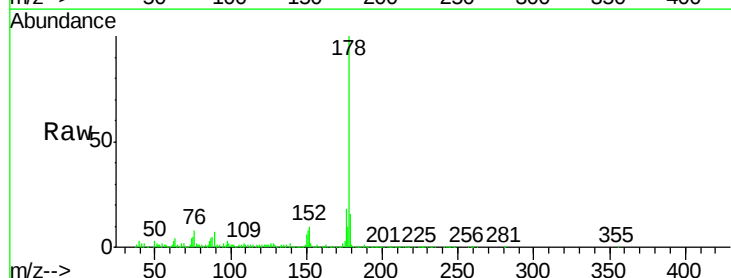
Tgt Ion:178 Resp: 686256

Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.7	17.5
176	18.5	14.6	21.8

178 100

179 16.0 11.7 17.5

176 18.5 14.6 21.8

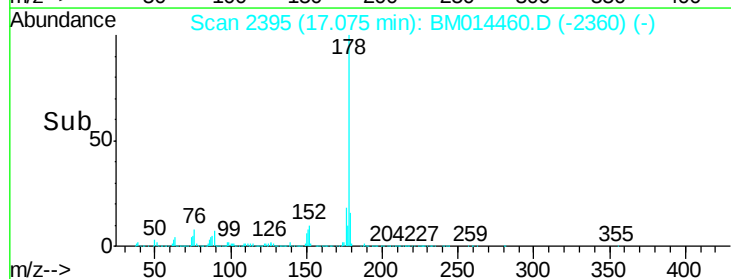
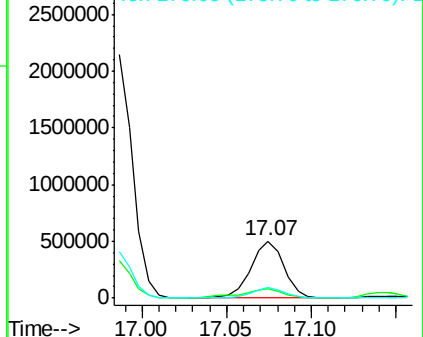


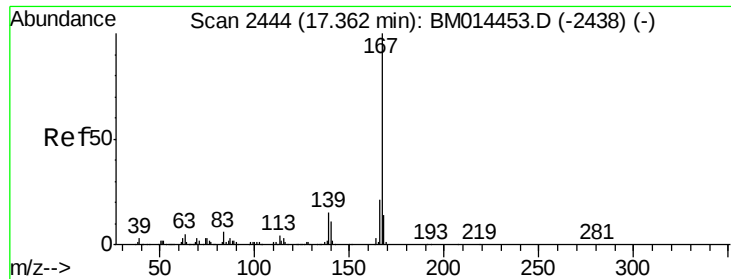
Abundance

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

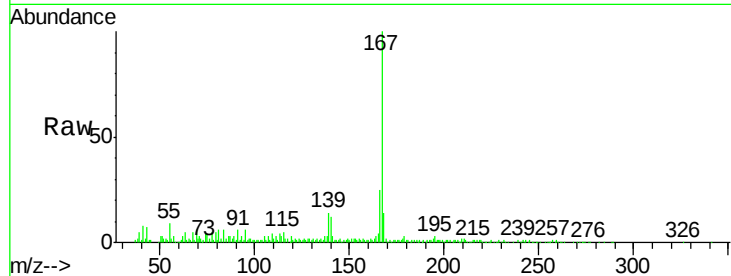




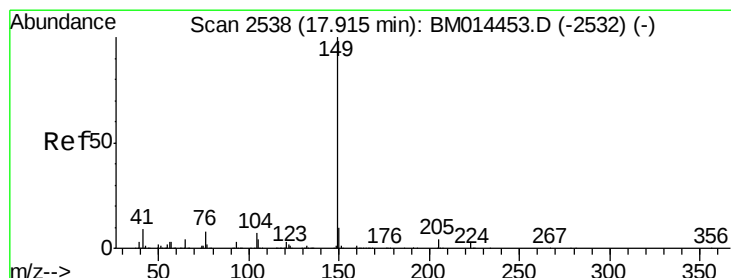
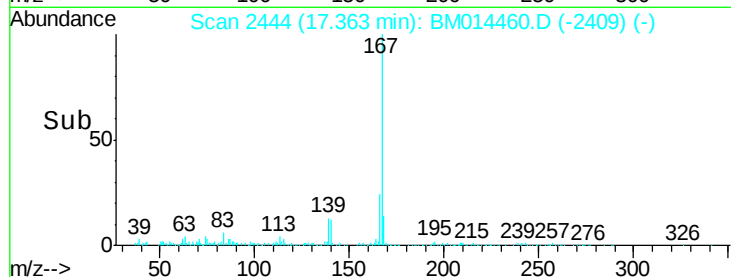
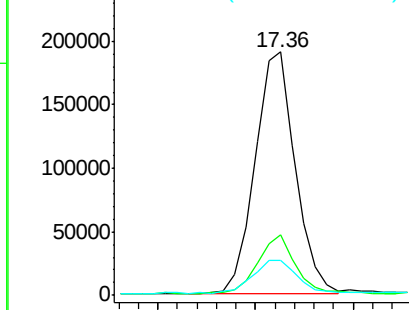
#72
 Carbazole
 Concen: 8.820 ng/ul
 RT: 17.36 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BM014460.D
 Acq: 02 Mar 2018 14:07

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
167	100		
166	24.8	17.1	25.7
139	14.2	10.0	15.0

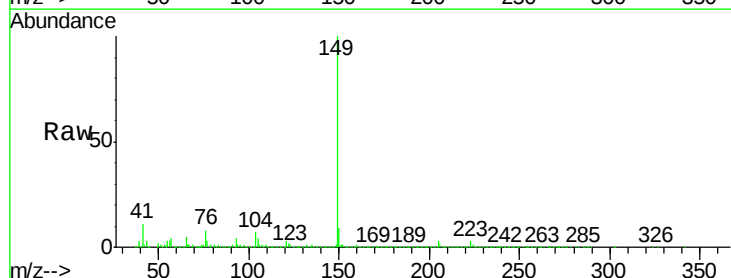


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

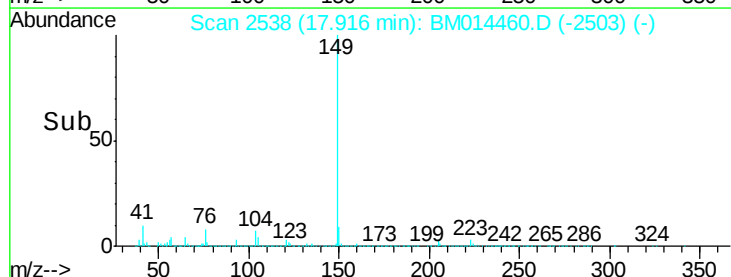
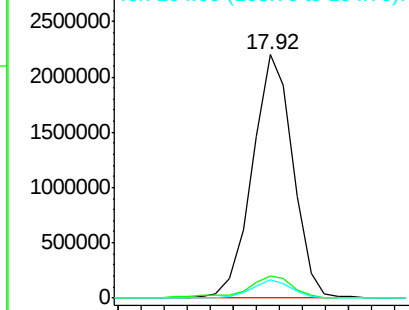


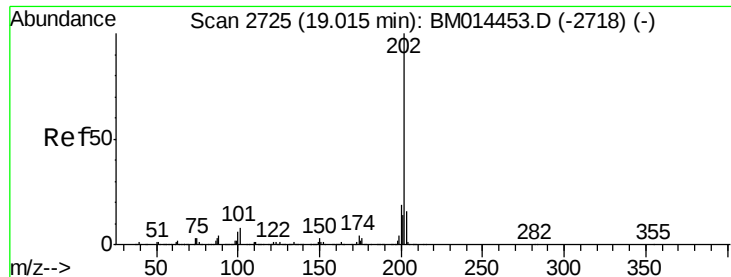
#73
 Di-n-butylphthalate
 Concen: 67.385 ng/ul
 RT: 17.92 min Scan# 2538
 Delta R.T. 0.01 min
 Lab File: BM014460.D
 Acq: 02 Mar 2018 14:07

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.1	10.7
104	7.5	5.6	8.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 125.575 ng/ul

RT: 19.02 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Instrument :

BNA_M

ClientSampled :

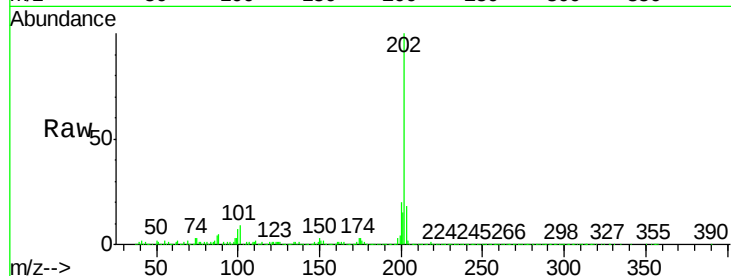
Tot Ion:202 Resp: 5444418

Ion Ratio Lower Upper

202 100

101 8.8 4.6 7.0#

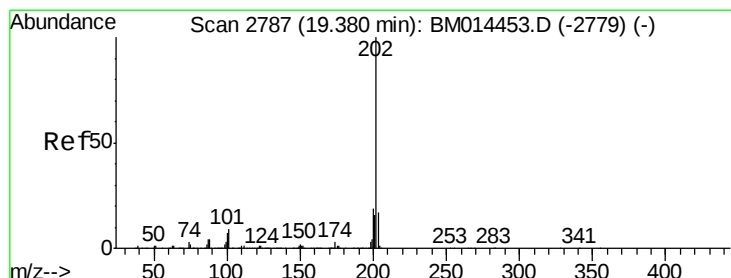
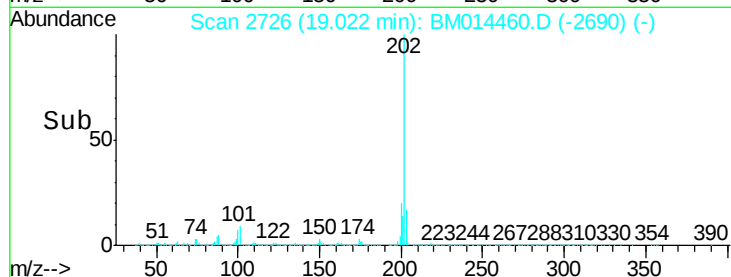
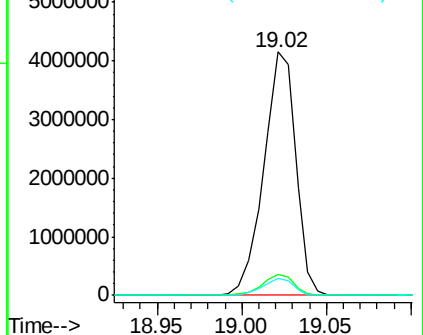
100 6.9 3.4 5.2#



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



#77

Pyrene

Concen: 107.450 ng/ul

RT: 19.39 min Scan# 2789

Delta R.T. 0.02 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

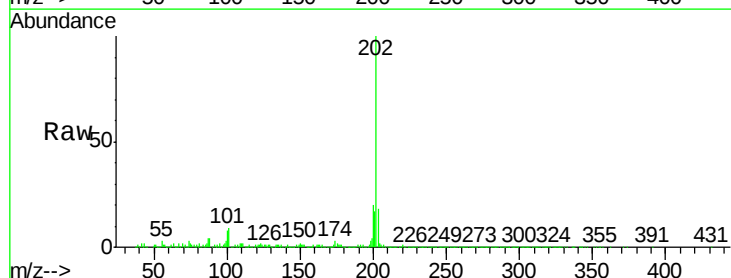
Tgt Ion:202 Resp: 4538228

Ion Ratio Lower Upper

202 100

101 9.3 5.1 7.7#

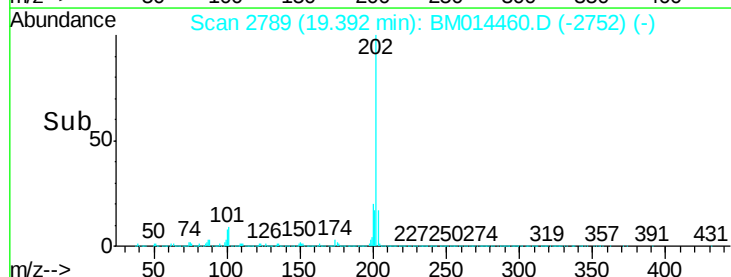
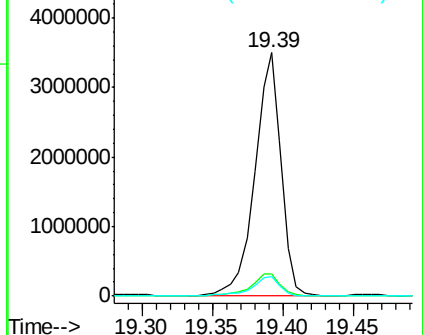
100 8.3 4.9 7.3#

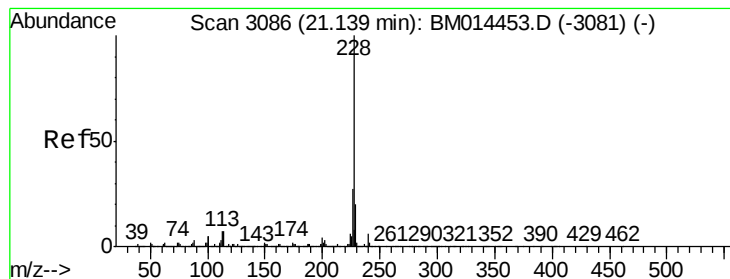


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 60.768 ng/ul

RT: 21.16 min Scan# 3089

Delta R.T. 0.02 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Instrument :

BNA_M

ClientSampled :

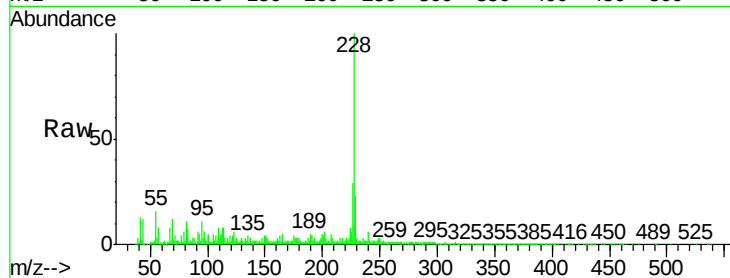
Tot Ion:228 Resp: 2410301

Ion	Ratio	Lower	Upper
228	100		
229	22.9	15.4	23.0
226	28.9	21.4	32.0

228 100

229 22.9 15.4 23.0

226 28.9 21.4 32.0

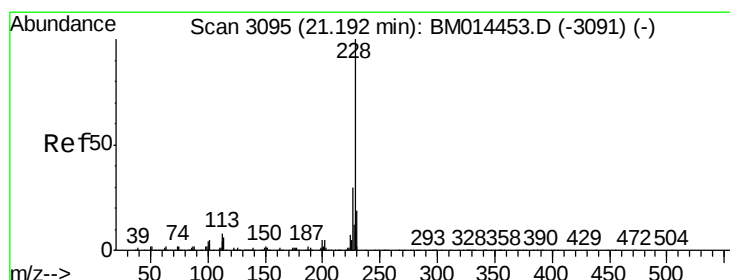
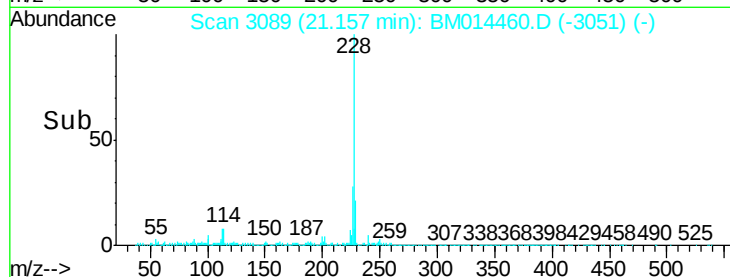
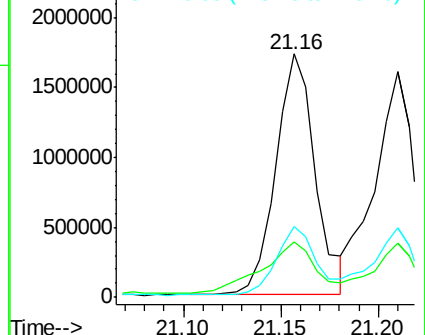


Abundance

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



#82

Chrysene

Concen: 65.141 ng/ul

RT: 21.16 min Scan# 3089

Delta R.T. -0.03 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

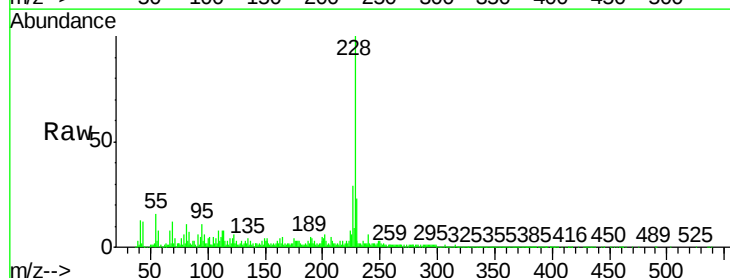
Tgt Ion:228 Resp: 2410301

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.4	35.2
229	22.9	15.5	23.3

228 100

226 28.9 23.4 35.2

229 22.9 15.5 23.3

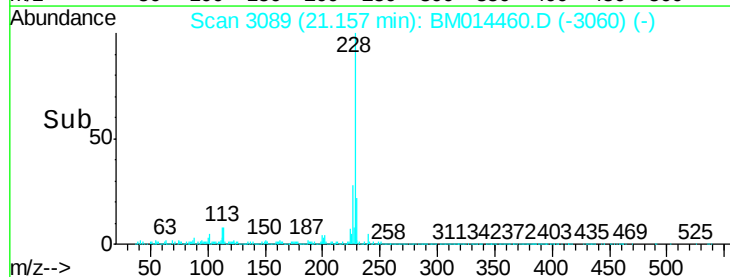
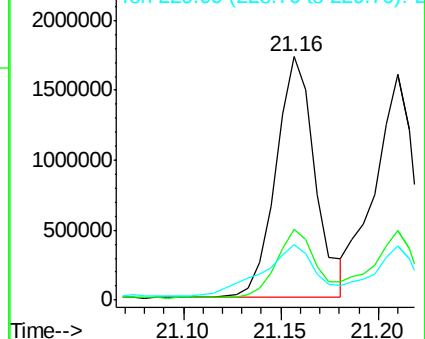


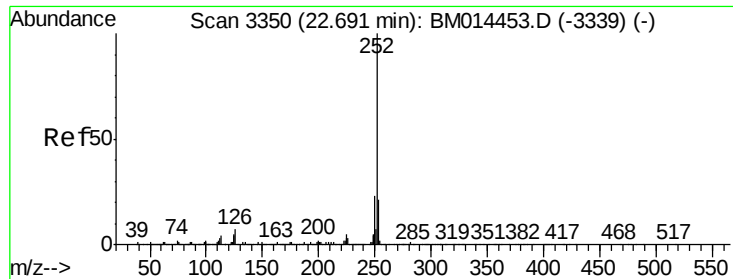
Abundance

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





#85

Benzo(b)fluoranthene

Concen: 101.180 ng/ul

RT: 22.74 min Scan# 3358

Delta R.T. 0.06 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Instrument :

BNA_M

ClientSampleId :

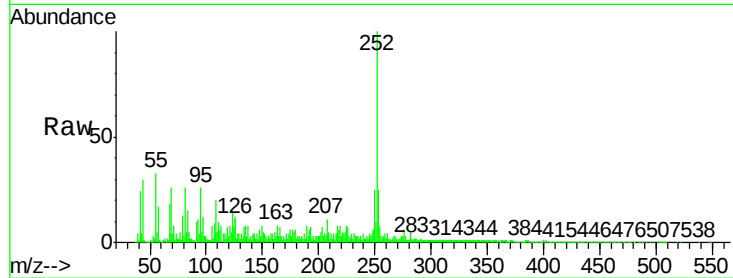
Tot Ion:252 Resp: 4191066

Ion Ratio Lower Upper

252 100

253 24.9 17.9 26.9

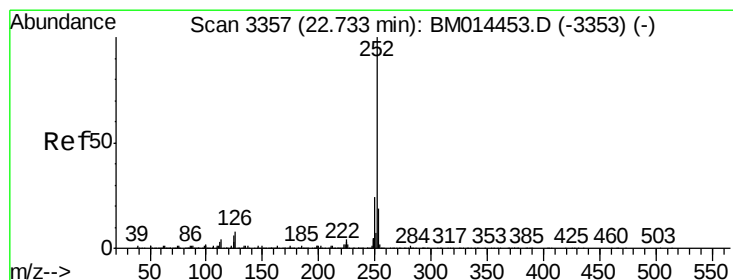
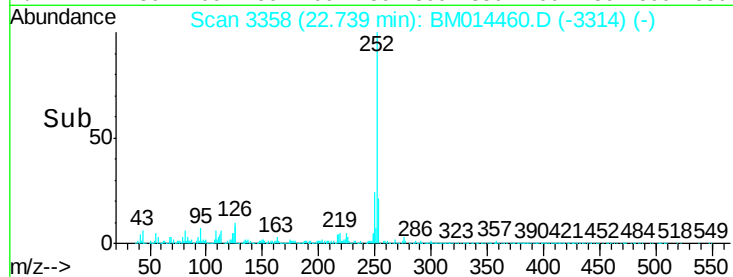
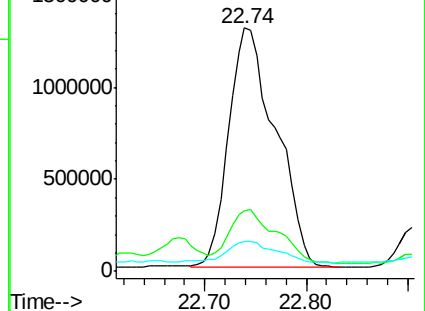
125 12.1 3.6 5.4#



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



#86

Benzo(k)fluoranthene

Concen: 106.421 ng/ul

RT: 22.74 min Scan# 3358

Delta R.T. 0.02 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

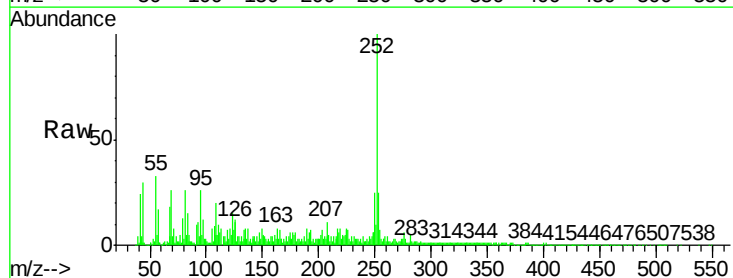
Tgt Ion:252 Resp: 4191066

Ion Ratio Lower Upper

252 100

253 24.9 17.1 25.7

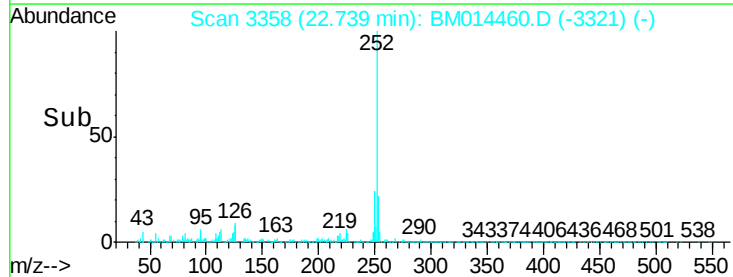
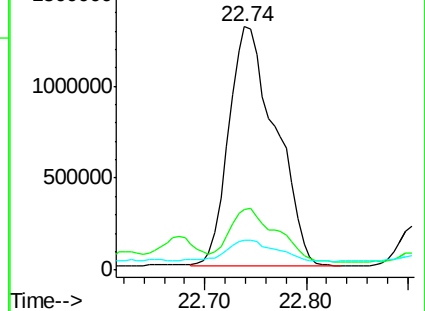
125 12.1 3.4 5.2#

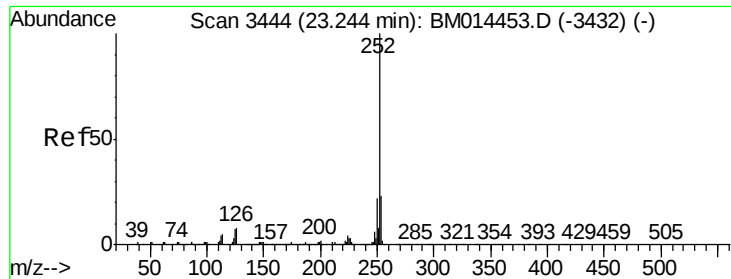


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 61.618 ng/ul

RT: 23.31 min Scan# 3455

Delta R.T. 0.08 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Instrument :

BNA_M

ClientSampleId :

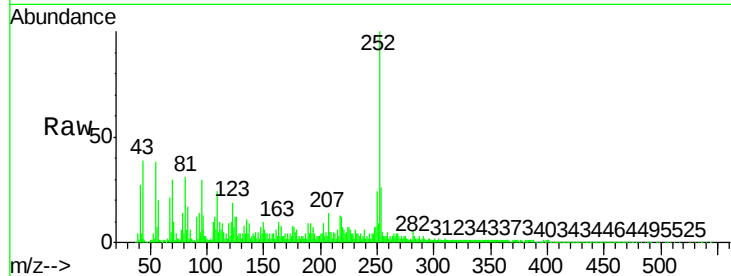
Tot Ion:252 Resp: 2280759

Ion Ratio Lower Upper

252 100

253 25.7 18.2 27.2

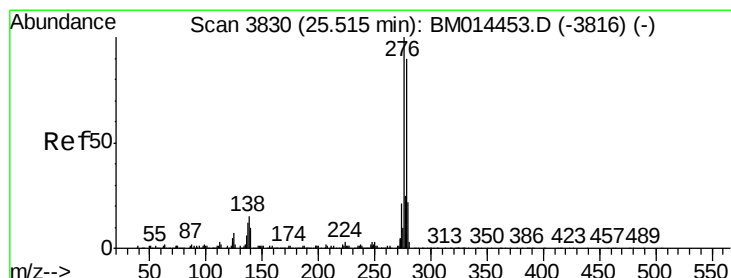
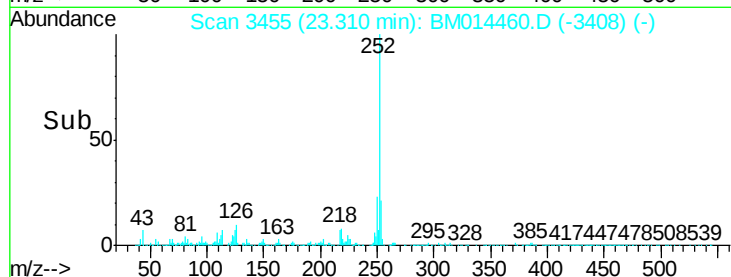
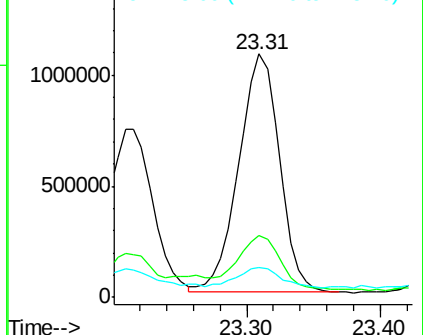
125 12.3 4.0 6.0#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 37.456 ng/ul

RT: 25.66 min Scan# 3854

Delta R.T. 0.17 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

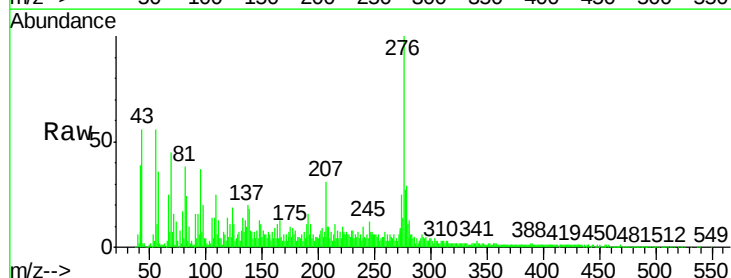
Tgt Ion:276 Resp: 1345352

Ion Ratio Lower Upper

276 100

138 18.2 9.3 13.9#

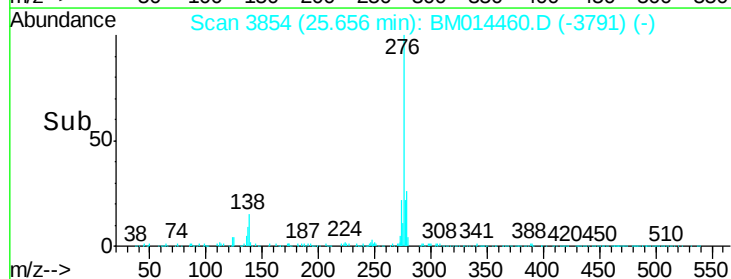
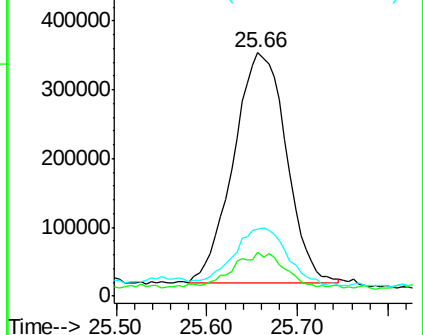
277 27.4 19.9 29.9

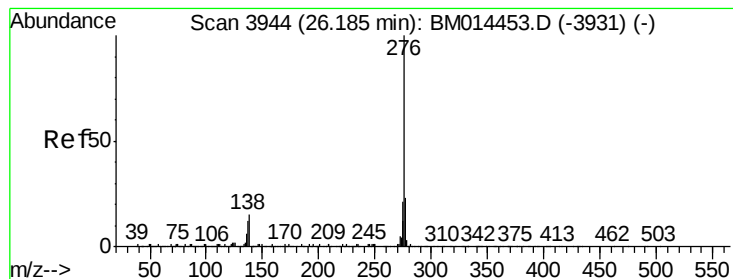


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(a,h,i)perylene

Concen: 38.507 ng/ul

RT: 26.35 min Scan# 3972

Delta R.T. 0.20 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Instrument :

BNA_M

ClientSampleId :

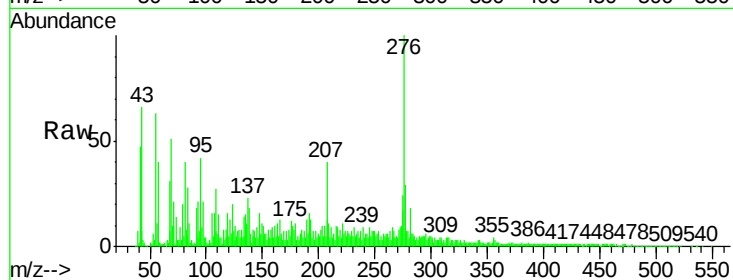
Tot Ion:276 Resp: 1120433

Ion Ratio Lower Upper

276 100

138 17.8 8.5 12.7#

277 29.1 18.6 28.0#



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

