

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012418\
 Data File : BM013788.D
 Acq On : 25 Jan 2018 03:12
 Operator : SJ/JU
 Sample : J1223-12
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 25 05:48:52 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 25 03:36:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	150231	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	617464	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.25	164	336816	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	729245	20.00	ng/ul	0.00
75) Chrysene-d12	21.20	240	763557	20.00	ng/ul	0.00
83) Perylene-d12	23.40	264	781734	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	9753	2.57	ng/uL	0.00
5) Phenol-d5	6.78	99	224335	19.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	134780	19.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	196636	20.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	127579	14.39	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	99971	20.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	107838	21.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	194221	19.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	194222	22.89	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	618732	22.29	ng/ul	0.00
46) Acenaphthylene-d8	13.94	160	795369	22.47	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	91270	20.23	ng/ul	0.00
57) Fluorene-d10	15.25	176	530816	21.74	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	83167	18.95	ng/ul	0.00
70) Anthracene-d10	17.10	188	785194	22.11	ng/ul	0.00
76) Pyrene-d10	19.40	212	904333	25.44	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.26	264	859757	23.93	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	6.80	94	40036	3.461	ng/ul# 81
24) 2,4-Dimethylphenol	9.57	107	19253	1.731	ng/ul# 33
44) Dimethylphthalate	13.71	163	252635	9.256	ng/ul 98
47) Acenaphthylene	13.97	152	38420	1.186	ng/ul# 73
48) 3-Nitroaniline	14.20	138	4403	1.059	ng/ul# 28
50) 2,4-Dinitrophenol	14.40	184	3993	1.317	ng/ul# 1
55) 2,3,4,6-Tetrachlorophenol	14.89	232	17944	2.538	ng/ul# 52
63) 4,6-Dinitro-2-methylphenol	15.41	198	12800	2.763	ng/ul# 1
64) N-Nitrosodiphenylamine	15.52	169	22140	1.032	ng/ul# 57
68) Pentachlorophenol	16.66	266	354071	71.868	ng/ul 98
71) Anthracene	17.13	178	57933	1.386	ng/ul# 75
74) Fluoranthene	19.07	202	986641	20.391	ng/ul# 95
77) Pyrene	19.43	202	1596294	34.389	ng/ul# 94
80) Benzo(a)anthracene	21.19	228	160088	3.470	ng/ul# 92
81) Bis(2-ethylhexyl)phthalate	21.13	149	52737	2.150	ng/ul# 93
82) Chrysene	21.22	228	136495	3.225	ng/ul# 93
85) Benzo(b)fluoranthene	22.74	252	725350	15.109	ng/ul# 94
86) Benzo(k)fluoranthene	22.74	252	725350	15.631	ng/ul# 93
88) Benzo(a)pyrene	23.30	252	397635	8.768	ng/ul# 95
89) Indeno(1,2,3-cd)pyrene	25.59	276	143942	2.689	ng/ul 97
91) Benzo(a,h,i)perylene	26.27	276	114569	2.600	ng/ul# 87

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Quant Time: Jan 25 05:48:52 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 25 03:36:03 2018
Response via : Initial Calibration

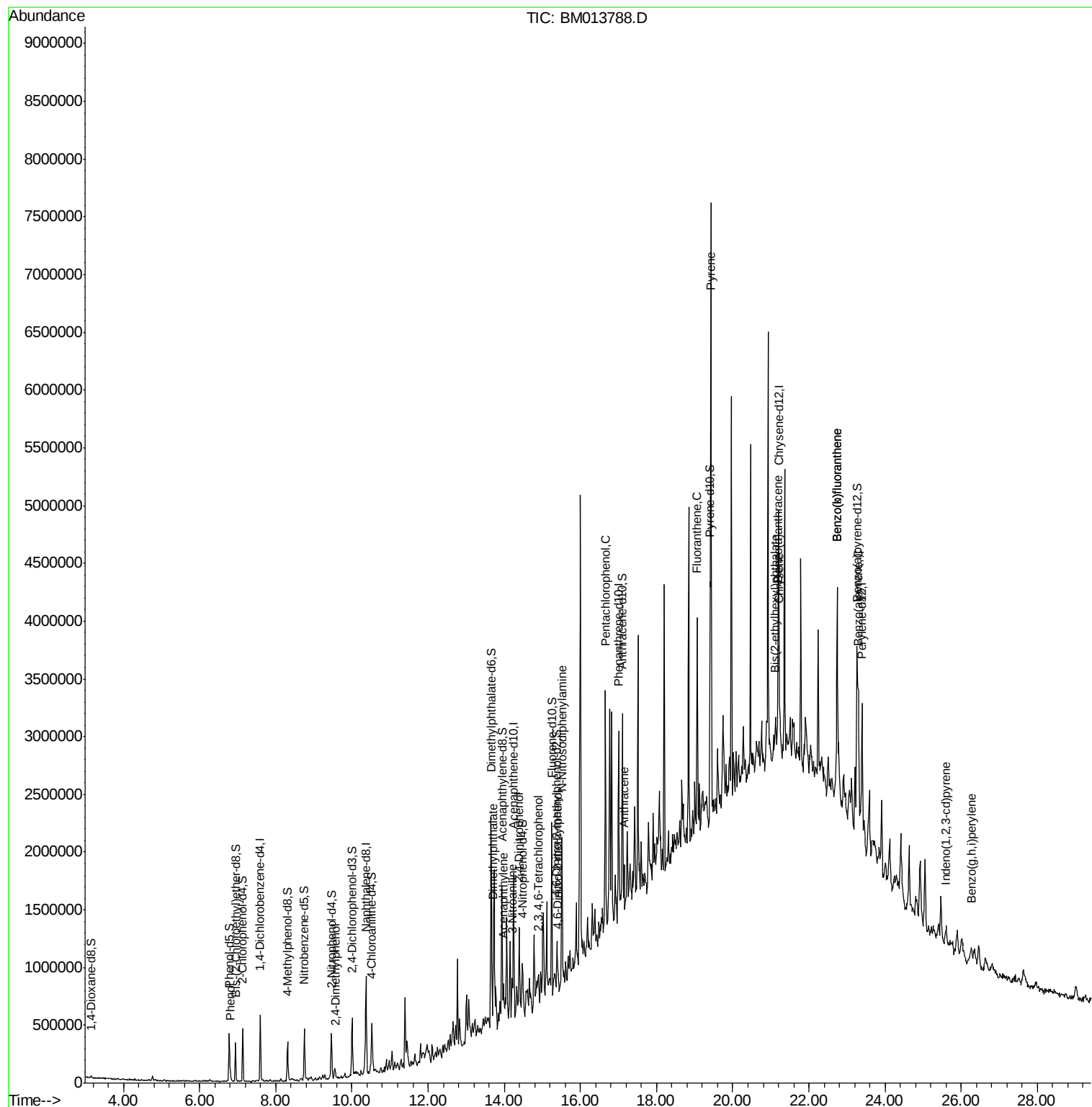
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

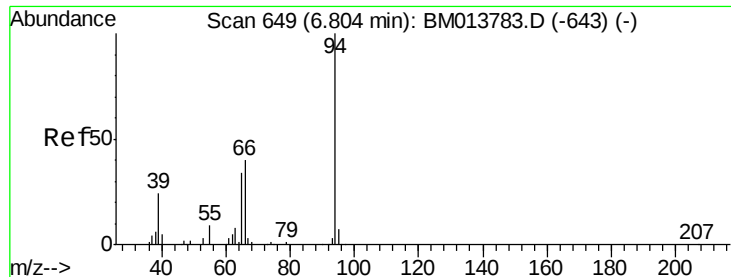
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

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#6

Phenol

Concen: 3.461 ng/ul

RT: 6.80 min Scan# 649

Delta R.T. 0.00 min

Lab File: BM013788.D

Acq: 25 Jan 2018 03:12

Instrument :

BNA_M

ClientSampleId :

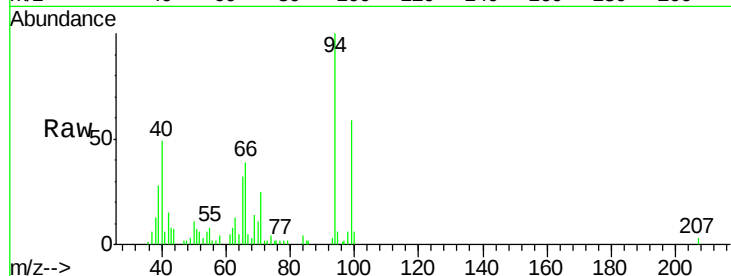
Tot Ion: 94 Resp: 40036

Ion Ratio Lower Upper

94 100

65 31.7 28.2 42.4

66 39.0 47.2 70.8#

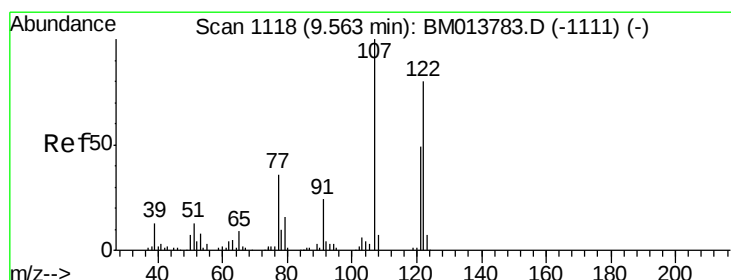
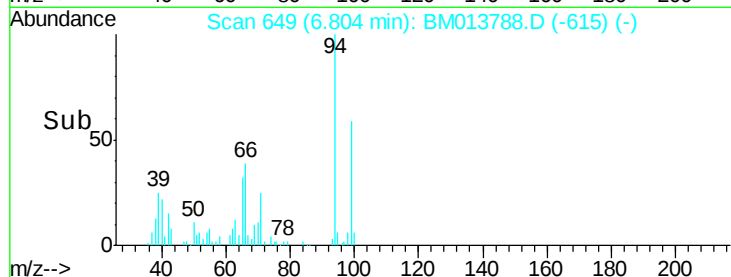
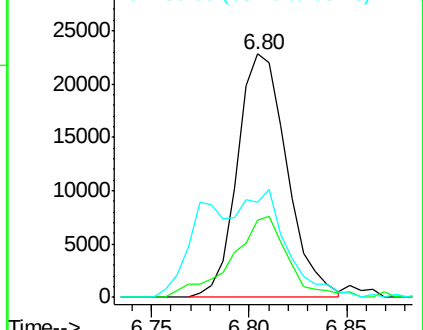


Abundance

Ion 94.00 (93.70 to 94.70): BM013788.D (-615) (-)

Ion 65.00 (64.70 to 65.70): BM013788.D (-615) (-)

Ion 66.00 (65.70 to 66.70): BM013788.D (-615) (-)



#24

2,4-Dimethylphenol

Concen: 1.731 ng/ul

RT: 9.57 min Scan# 1119

Delta R.T. 0.01 min

Lab File: BM013788.D

Acq: 25 Jan 2018 03:12

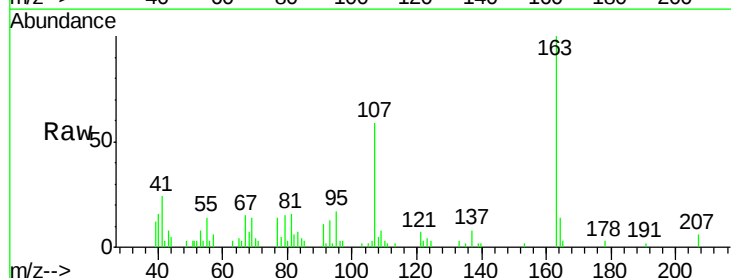
Tgt Ion: 107 Resp: 19253

Ion Ratio Lower Upper

107 100

121 12.7 31.9 47.9#

122 5.6 57.8 86.6#

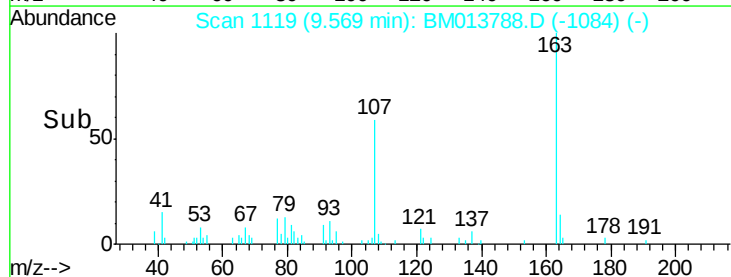
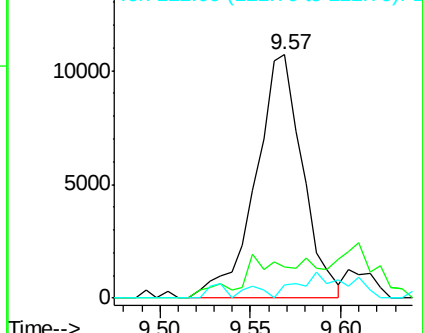


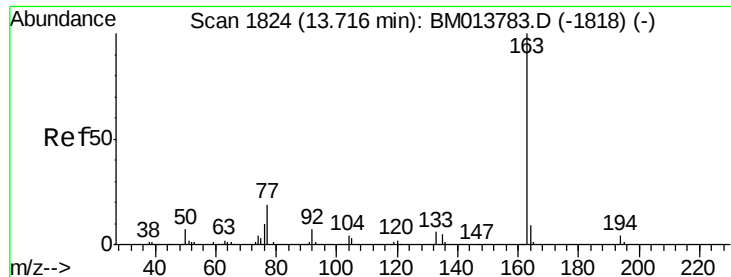
Abundance

Ion 107.00 (106.70 to 107.70): BM013788.D (-1084) (-)

Ion 121.00 (120.70 to 121.70): BM013788.D (-1084) (-)

Ion 122.00 (121.70 to 122.70): BM013788.D (-1084) (-)

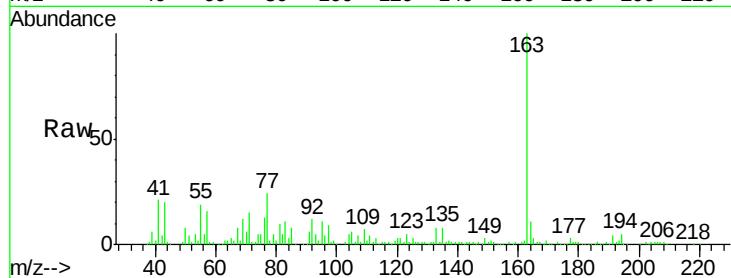




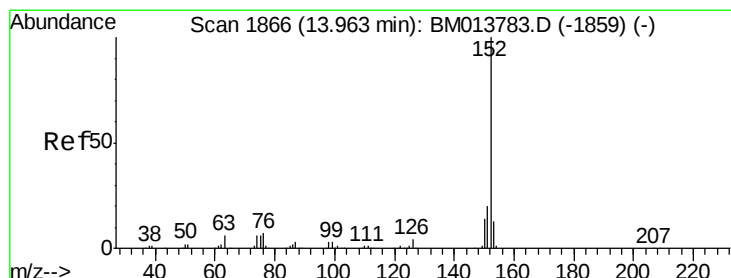
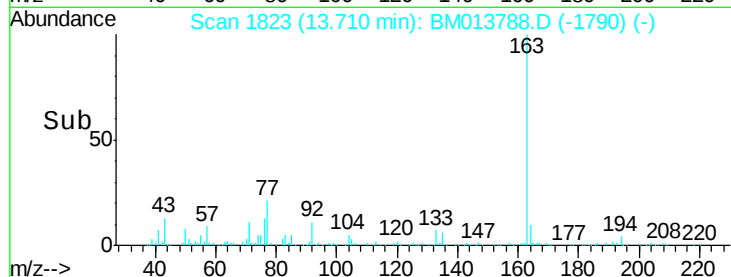
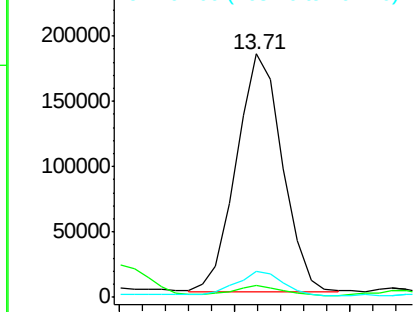
#44
Dimethylphthalate
Concen: 9.256 ng/ul
RT: 13.71 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BM013788.D
Acq: 25 Jan 2018 03:12

Instrument :
BNA_M
ClientSampled :

Tot Ion:163 Resp: 252635
Ion Ratio Lower Upper
163 100
194 4.9 3.5 5.3
164 10.9 8.2 12.4

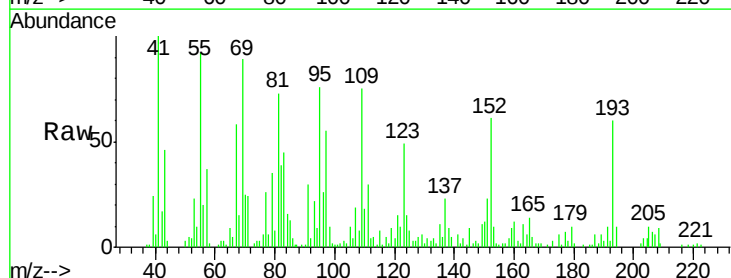


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

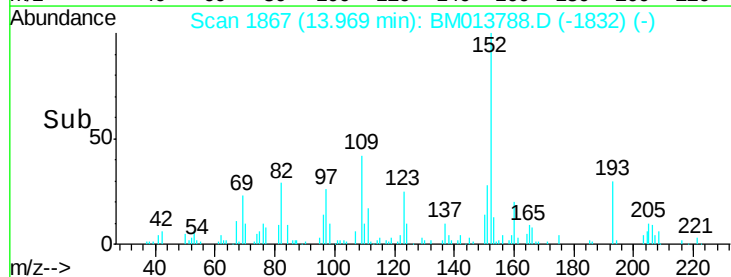
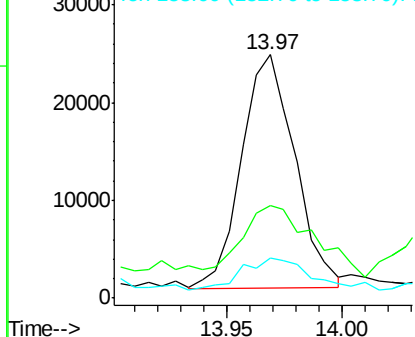


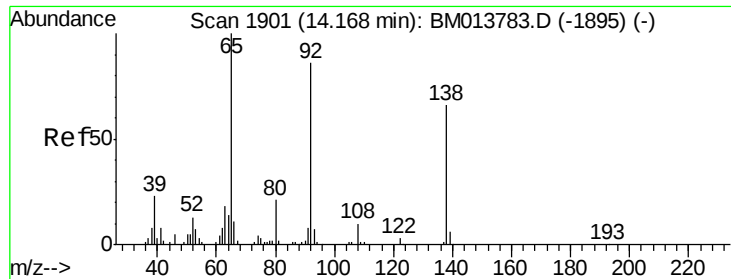
#47
Acenaphthylene
Concen: 1.186 ng/ul
RT: 13.97 min Scan# 1867
Delta R.T. 0.01 min
Lab File: BM013788.D
Acq: 25 Jan 2018 03:12

Tgt Ion:152 Resp: 38420
Ion Ratio Lower Upper
152 100
151 38.2 16.3 24.5#
153 16.5 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

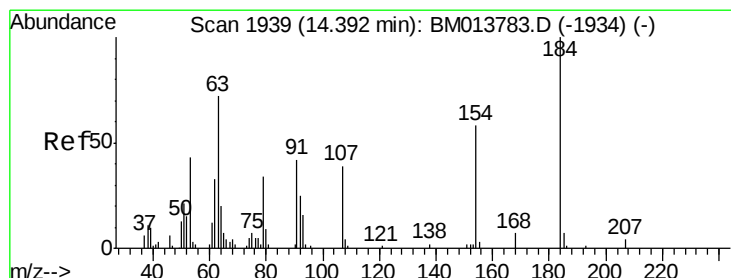
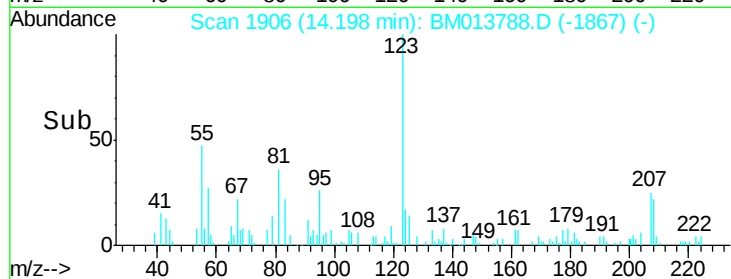
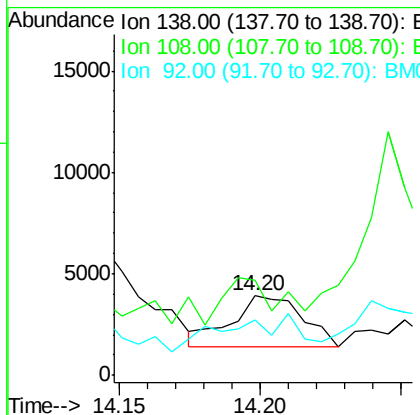
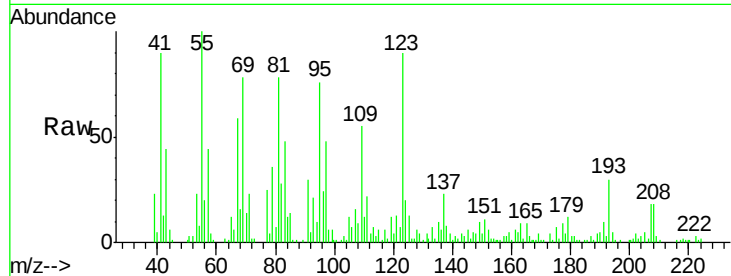




#48
 3-Nitroaniline
 Concen: 1.059 ng/ul
 RT: 14.20 min Scan# 1906
 Delta R.T. 0.03 min
 Lab File: BM013788.D
 Acq: 25 Jan 2018 03:12

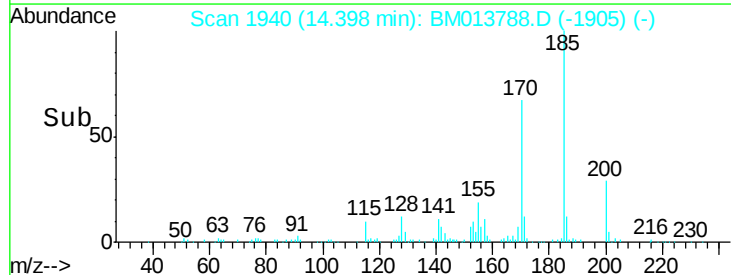
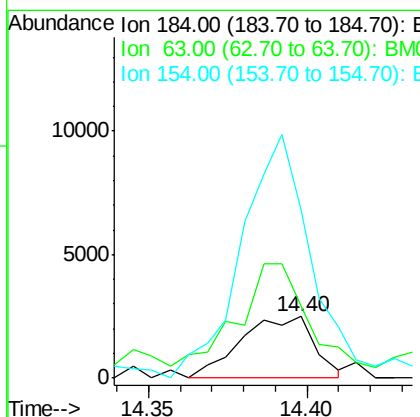
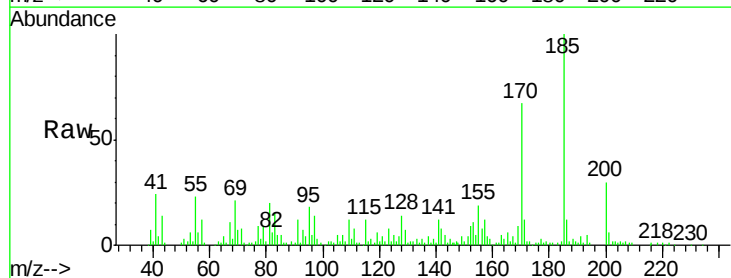
Instrument :
 BNA_M
 ClientSampleID :

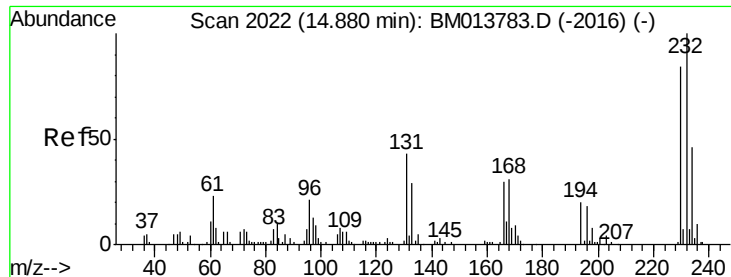
Tot Ion:138 Resp: 4403
 Ion Ratio Lower Upper
 138 100
 108 118.7 9.9 14.9#
 92 68.9 105.0 157.4#



#50
 2,4-Dinitrophenol
 Concen: 1.317 ng/ul
 RT: 14.40 min Scan# 1940
 Delta R.T. 0.01 min
 Lab File: BM013788.D
 Acq: 25 Jan 2018 03:12

Tgt Ion:184 Resp: 3993
 Ion Ratio Lower Upper
 184 100
 63 117.8 50.1 75.1#
 154 273.0 54.5 81.7#

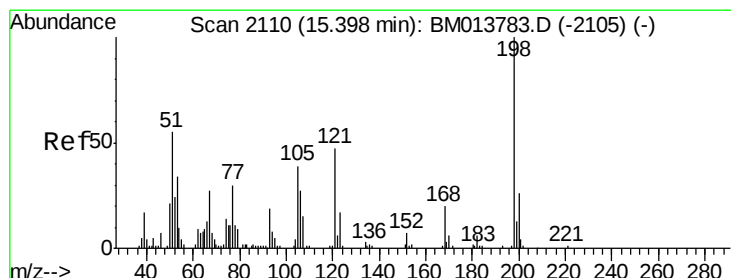
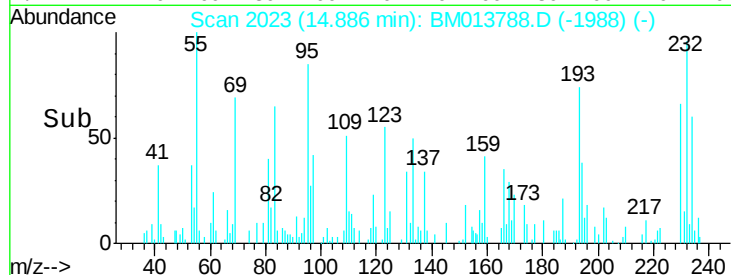
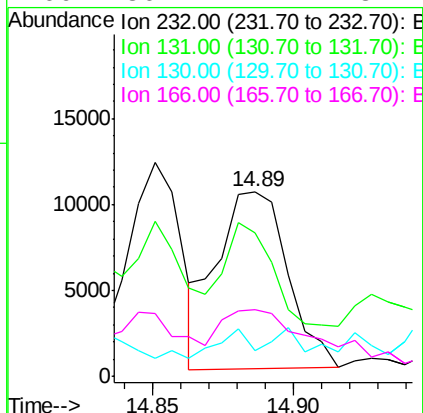
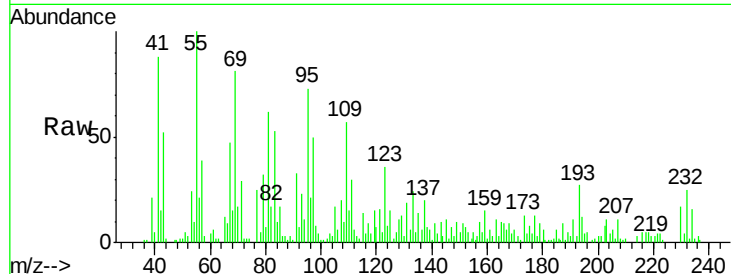




#55
 2,3,4,6-Tetrachlorophenol
 Concen: 2.538 ng/ul
 RT: 14.89 min Scan# 2023
 Delta R.T. 0.01 min
 Lab File: BM013788.D
 Acq: 25 Jan 2018 03:12

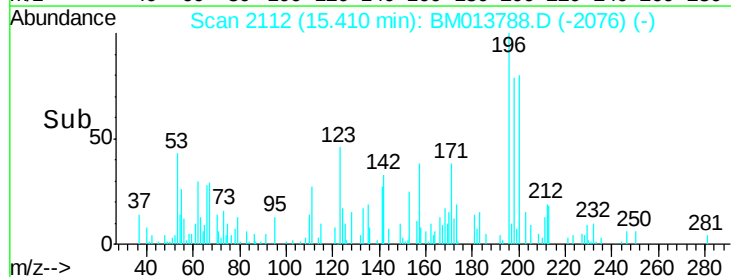
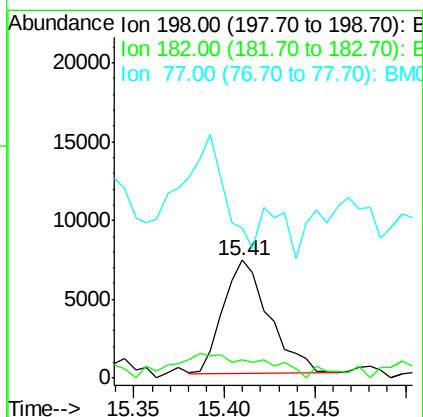
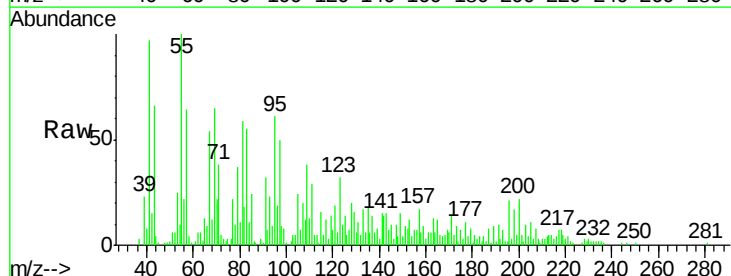
Instrument :
 BNA_M
 ClientSampled :

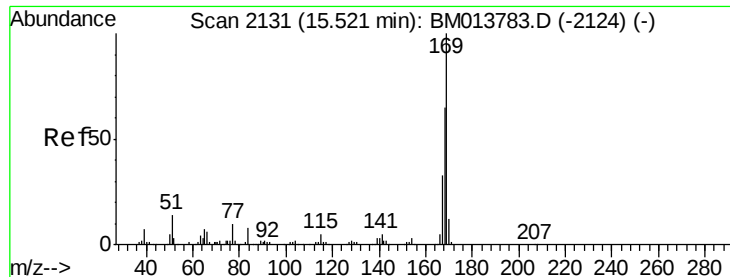
Tot Ion:232 Resp: 17944
 Ion Ratio Lower Upper
 232 100
 131 77.7 29.0 43.4#
 130 13.7 2.0 3.0#
 166 36.4 21.4 32.2#



#63
 4,6-Dinitro-2-methylphenol
 Concen: 2.763 ng/ul
 RT: 15.41 min Scan# 2112
 Delta R.T. 0.01 min
 Lab File: BM013788.D
 Acq: 25 Jan 2018 03:12

Tgt Ion:198 Resp: 12800
 Ion Ratio Lower Upper
 198 100
 182 15.2 3.8 5.6#
 77 127.3 25.2 37.8#



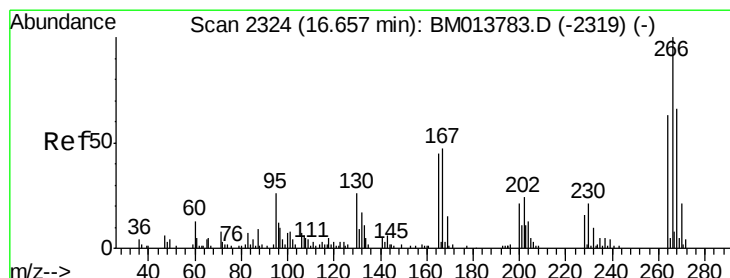
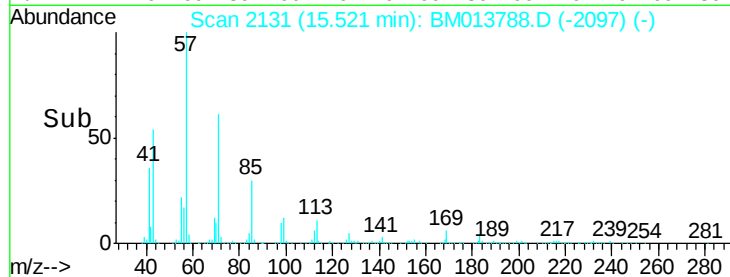
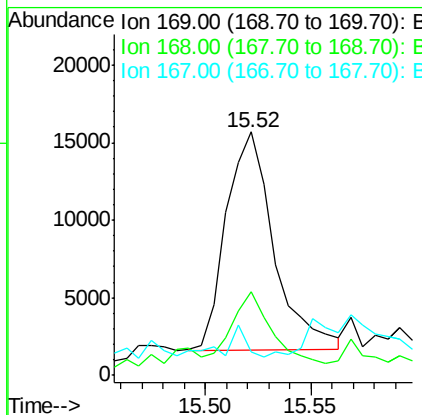
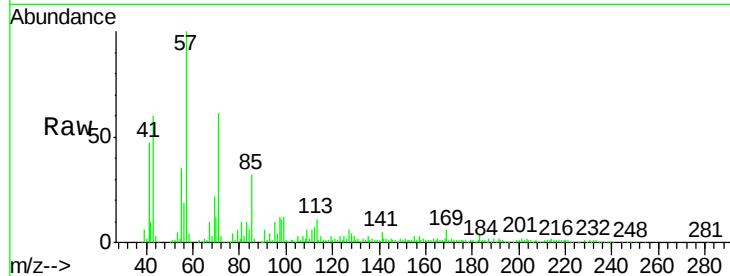


#64

N-Nitrosodiphenylamine
 Concen: 1.032 ng/ul
 RT: 15.52 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: BM013788.D
 Acq: 25 Jan 2018 03:12

Instrument :
 BNA_M
 ClientSampleId :

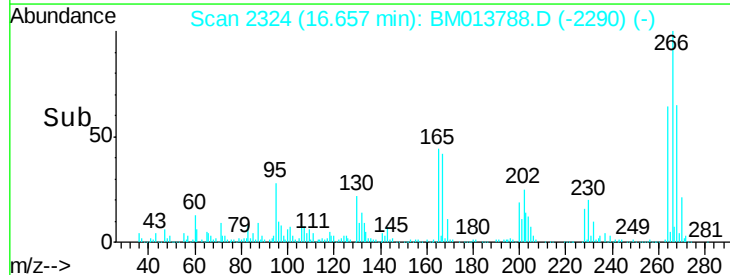
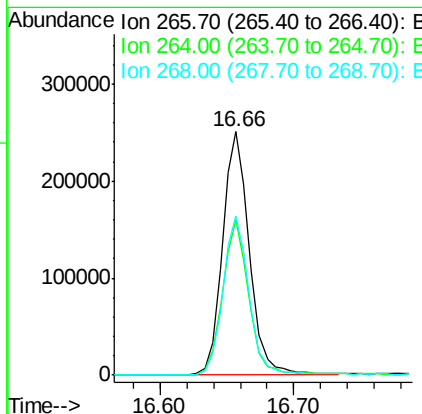
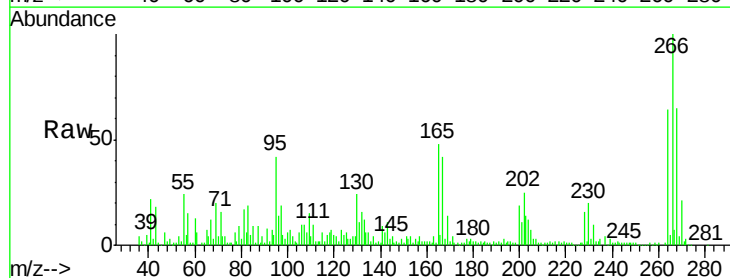
Tot Ion:169 Resp: 22140
 Ion Ratio Lower Upper
 169 100
 168 34.3 54.0 81.0#
 167 9.9 29.1 43.7#

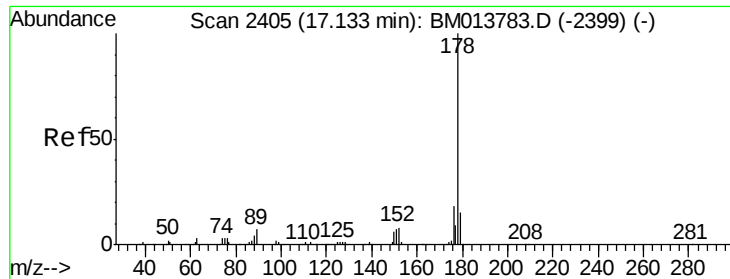


#68

Pentachlorophenol
 Concen: 71.868 ng/ul
 RT: 16.66 min Scan# 2324
 Delta R.T. 0.00 min
 Lab File: BM013788.D
 Acq: 25 Jan 2018 03:12

Tgt Ion:266 Resp: 354071
 Ion Ratio Lower Upper
 266 100
 264 64.0 49.3 73.9
 268 65.5 52.6 78.8

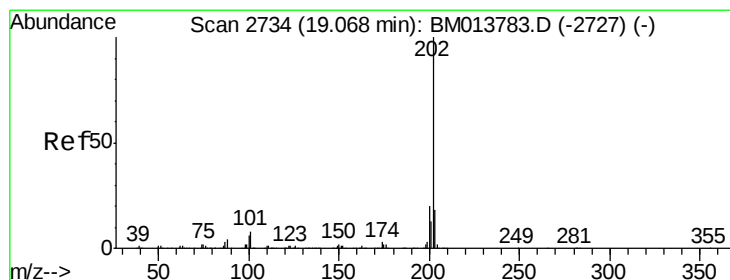
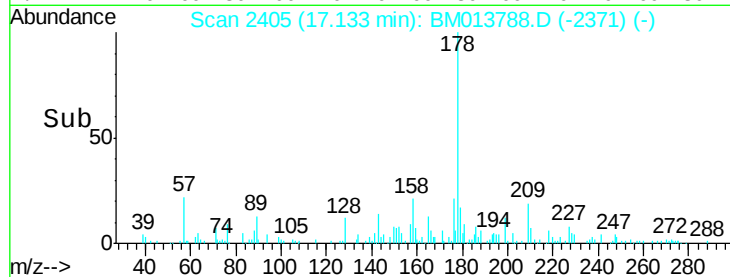
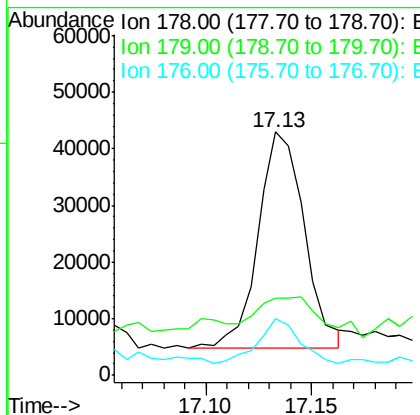
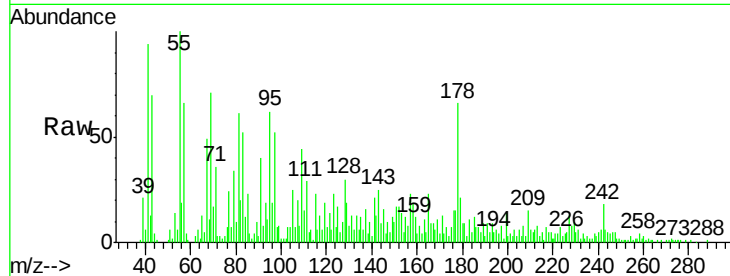




#71
 Anthracene
 Concen: 1.386 ng/ul
 RT: 17.13 min Scan# 2405
 Delta R.T. 0.00 min
 Lab File: BM013788.D
 Acq: 25 Jan 2018 03:12

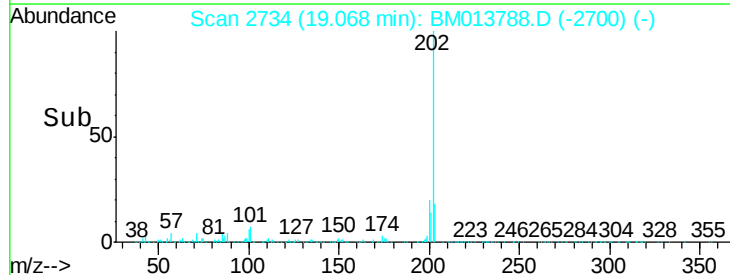
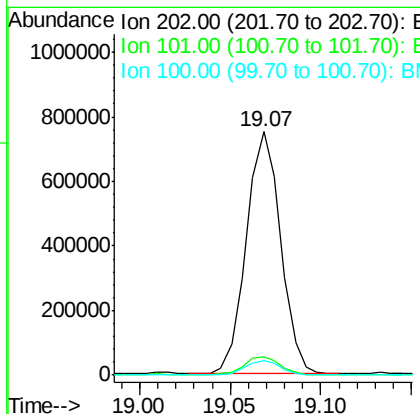
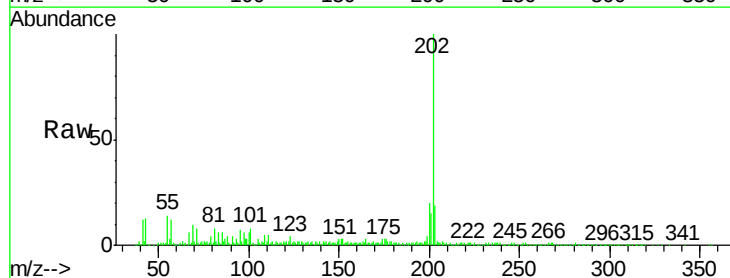
Instrument :
 BNA_M
 ClientSampleId :

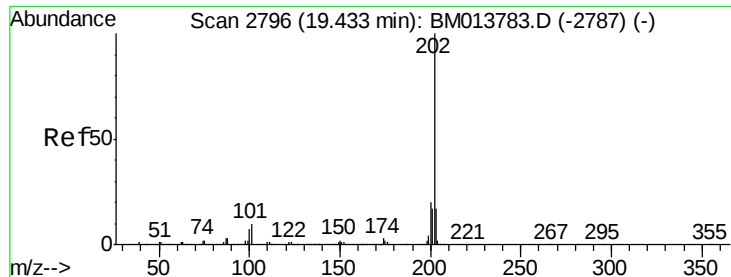
Tot Ion:178 Resp: 57933
 Ion Ratio Lower Upper
 178 100
 179 31.7 11.7 17.5#
 176 23.5 14.6 21.8#



#74
 Fluoranthene
 Concen: 20.391 ng/ul
 RT: 19.07 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: BM013788.D
 Acq: 25 Jan 2018 03:12

Tgt Ion:202 Resp: 986641
 Ion Ratio Lower Upper
 202 100
 101 7.6 4.6 7.0#
 100 5.9 3.4 5.2#





#77

Pvrene

Concen: 34.389 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. 0.00 min

Lab File: BM013788.D

Acq: 25 Jan 2018 03:12

Instrument :

BNA_M

ClientSampleId :

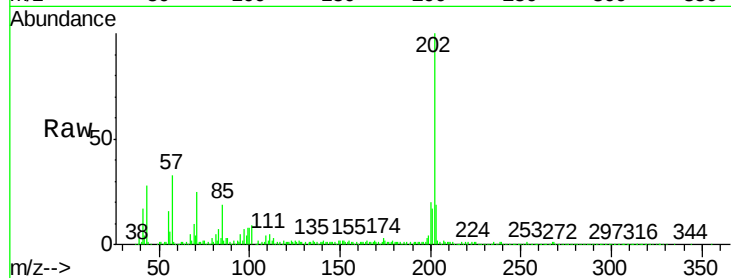
Tot Ion:202 Resp: 1596294

Ion	Ratio	Lower	Upper
202	100		
101	8.9	5.1	7.7#
100	7.5	4.9	7.3#

202 100

101 8.9 5.1 7.7#

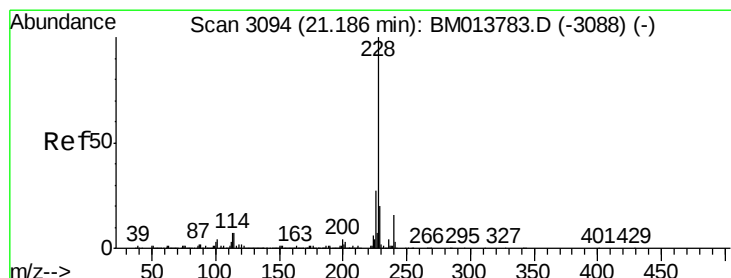
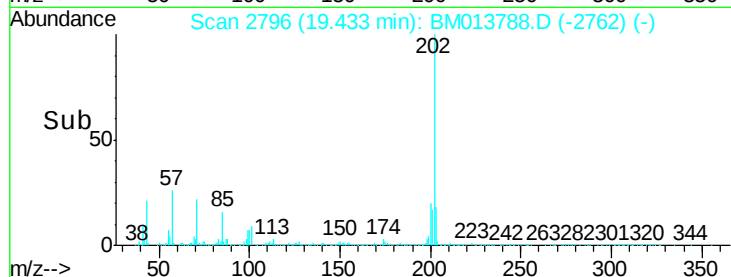
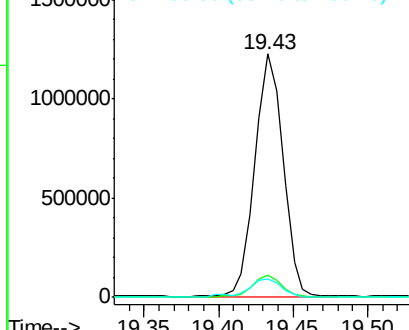
100 7.5 4.9 7.3#



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: 3.470 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM013788.D

Acq: 25 Jan 2018 03:12

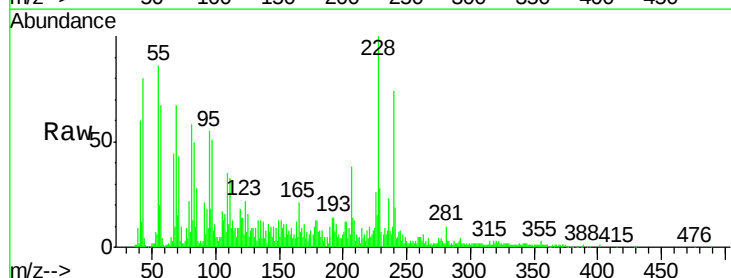
Tgt Ion:228 Resp: 160088

Ion	Ratio	Lower	Upper
228	100		
229	27.6	15.4	23.0#
226	26.4	21.4	32.0

228 100

229 27.6 15.4 23.0#

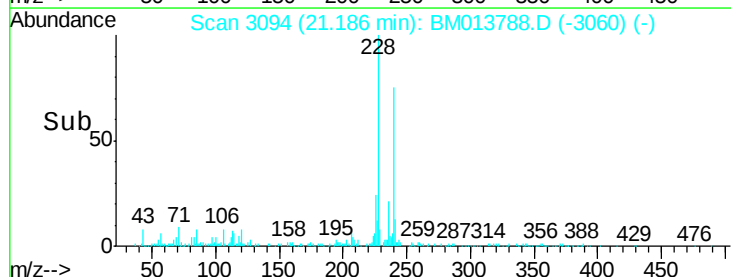
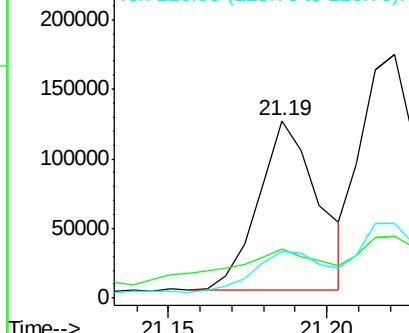
226 26.4 21.4 32.0

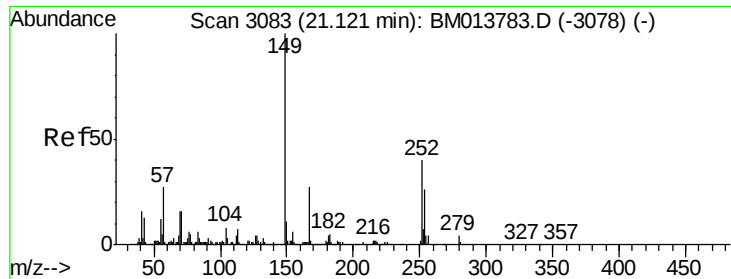


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

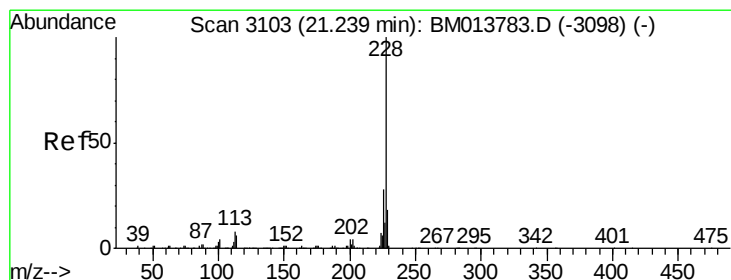
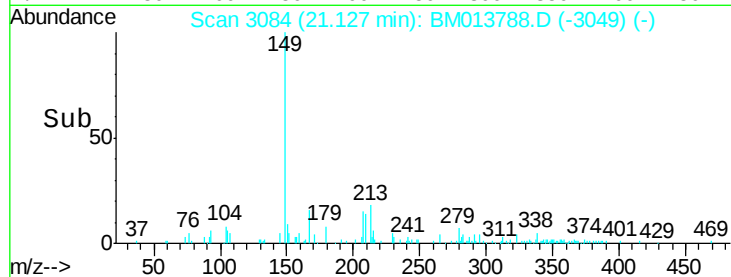
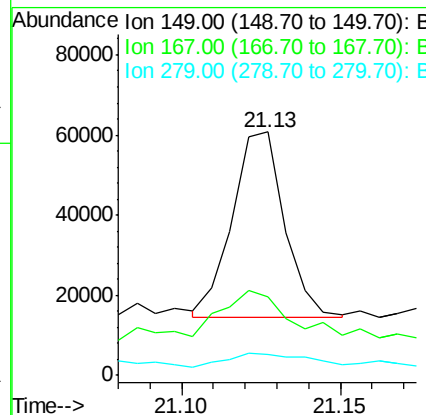
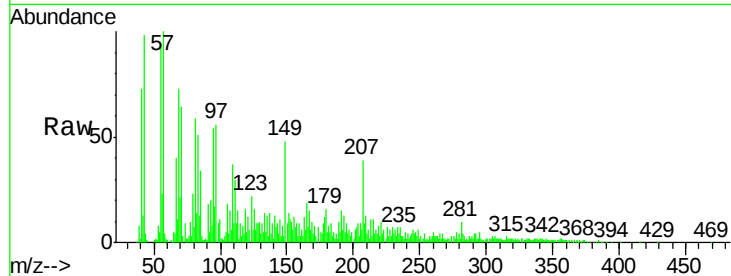




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 2.150 ng/ul
 RT: 21.13 min Scan# 3084
 Delta R.T. 0.01 min
 Lab File: BM013788.D
 Acq: 25 Jan 2018 03:12

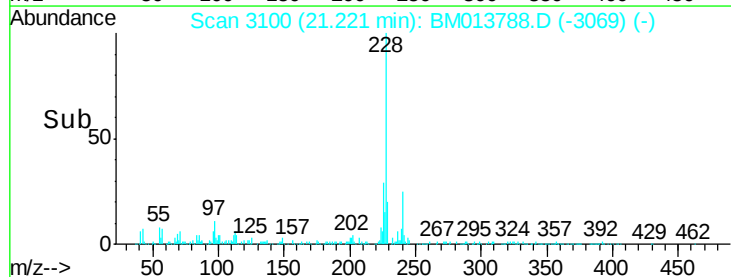
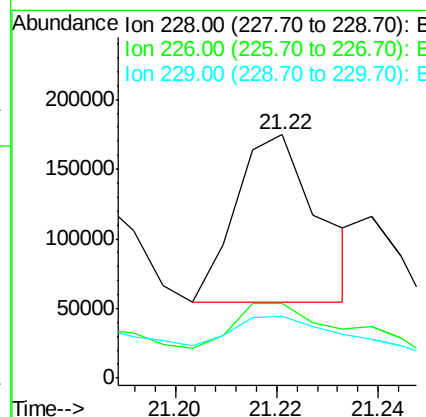
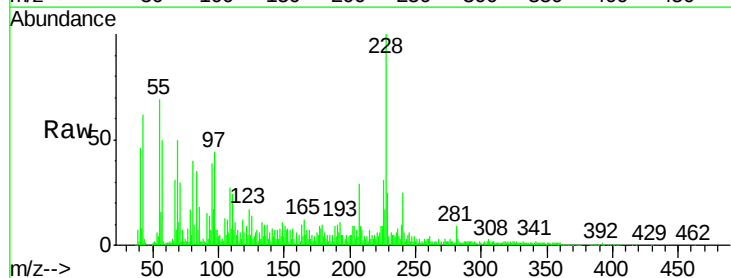
Instrument :
 BNA_M
 ClientSampleId :

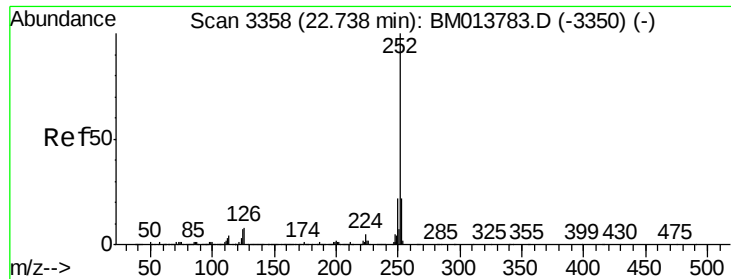
Tot Ion:149 Resp: 52737
 Ion Ratio Lower Upper
 149 100
 167 32.0 22.8 34.2
 279 8.6 4.9 7.3#



#82
 Chrysene
 Concen: 3.225 ng/ul
 RT: 21.22 min Scan# 3100
 Delta R.T. -0.02 min
 Lab File: BM013788.D
 Acq: 25 Jan 2018 03:12

Tgt Ion:228 Resp: 136495
 Ion Ratio Lower Upper
 228 100
 226 30.7 23.4 35.2
 229 25.5 15.5 23.3#





#85

Benzo(b)fluoranthene

Concen: 15.109 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BM013788.D

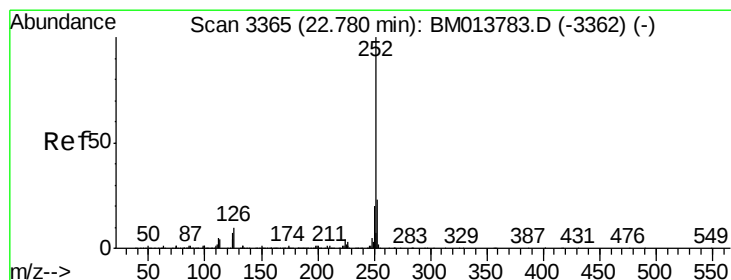
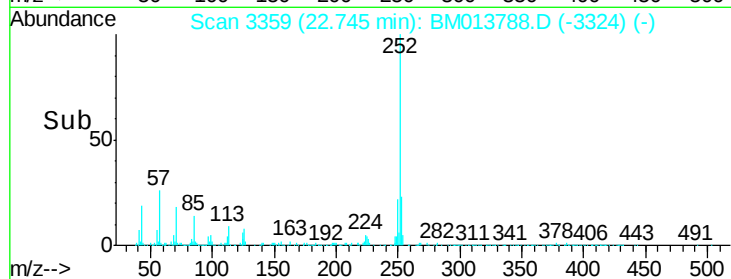
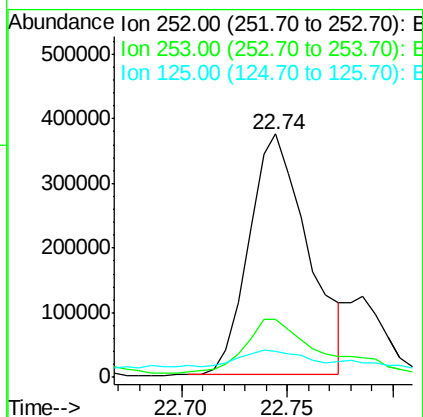
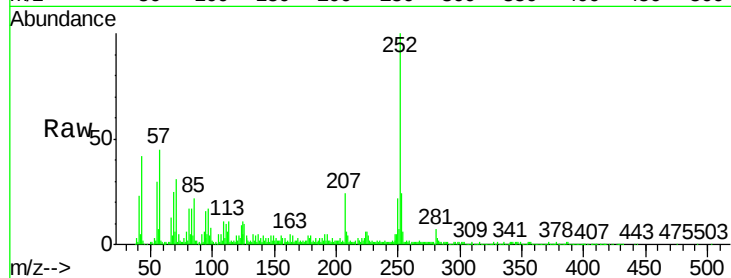
Acq: 25 Jan 2018 03:12

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	252	Resp:	725350
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	10.7	3.6	5.4#



#86

Benzo(k)fluoranthene

Concen: 15.631 ng/ul

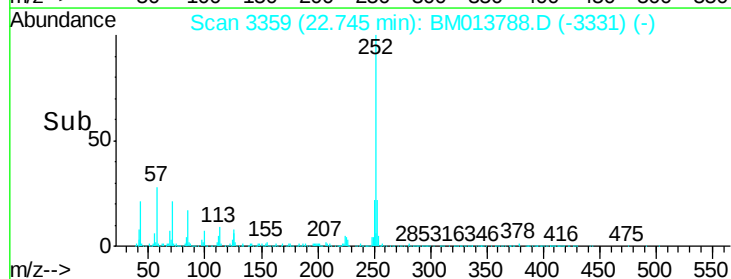
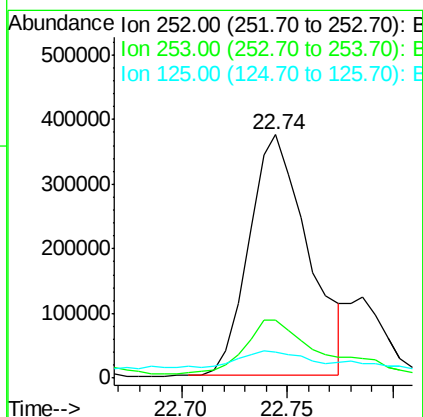
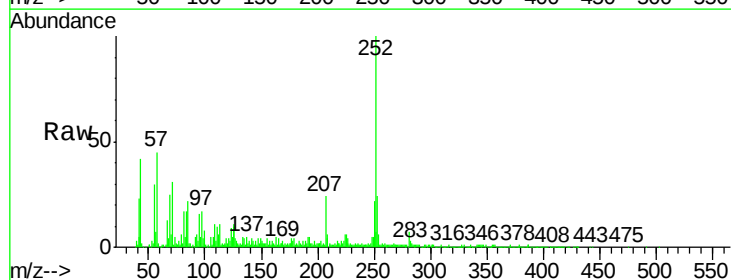
RT: 22.74 min Scan# 3359

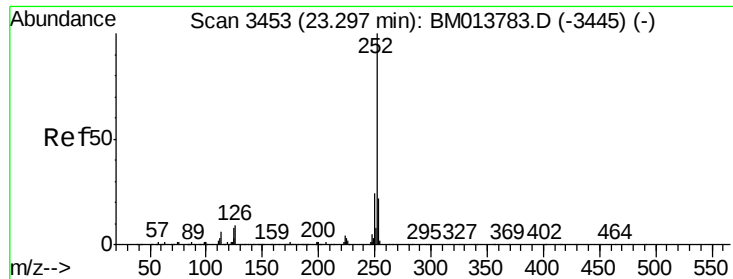
Delta R.T. -0.04 min

Lab File: BM013788.D

Acq: 25 Jan 2018 03:12

Tgt Ion:	252	Resp:	725350
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	10.7	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 8.768 ng/ul

RT: 23.30 min Scan# 3454

Delta R.T. 0.01 min

Lab File: BM013788.D

Acq: 25 Jan 2018 03:12

Instrument :

BNA_M

ClientSampleId :

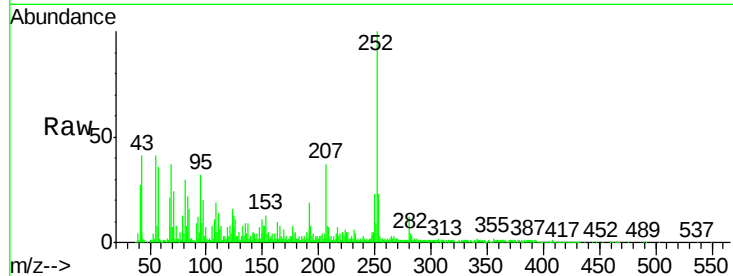
Tot Ion:252 Resp: 397635

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

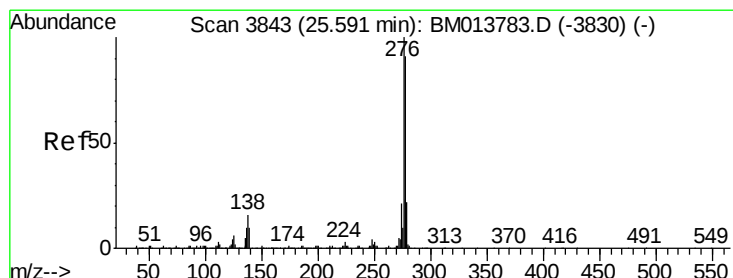
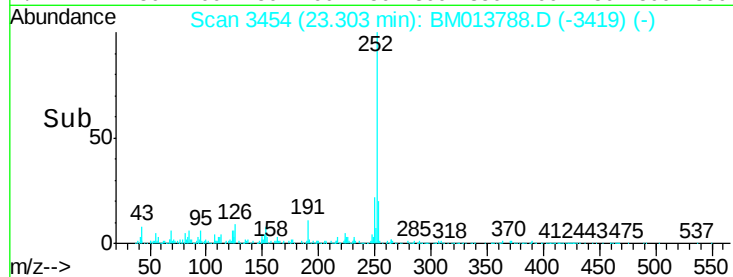
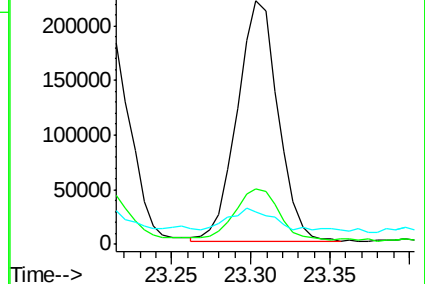
125 13.4 4.0 6.0#



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: 2.689 ng/ul

RT: 25.59 min Scan# 3842

Delta R.T. -0.01 min

Lab File: BM013788.D

Acq: 25 Jan 2018 03:12

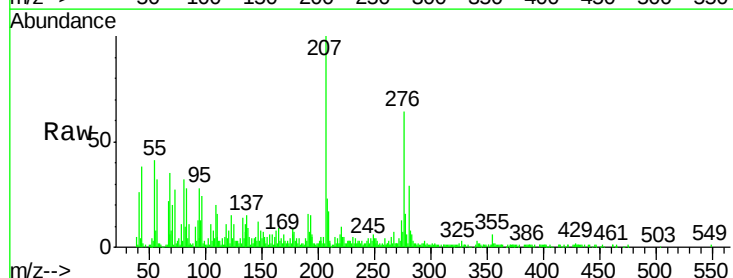
Tgt Ion:276 Resp: 143942

Ion Ratio Lower Upper

276 100

138 13.9 9.3 13.9

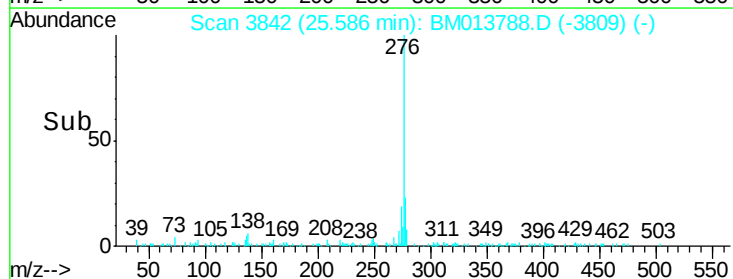
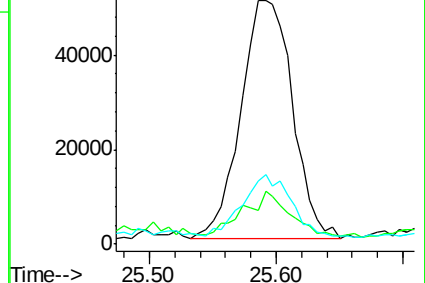
277 25.9 19.9 29.9

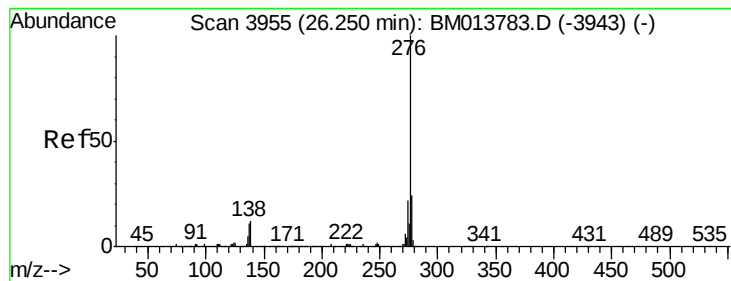


Abundance Ion 276.00 (275.70 to 276.70): E

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: 2.600 ng/ul

RT: 26.27 min Scan# 3958

Delta R.T. 0.02 min

Lab File: BM013788.D

Acq: 25 Jan 2018 03:12

Instrument :

BNA_M

ClientSampleId :

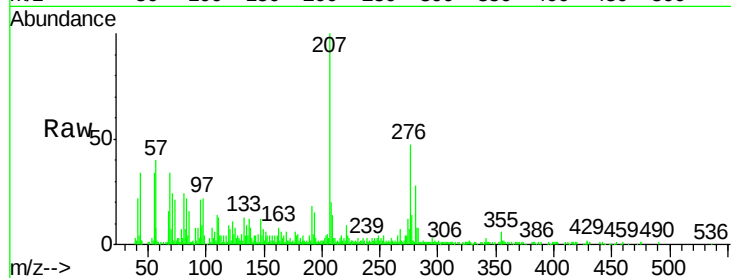
Tot Ion:276 Resp: 114569

Ion Ratio Lower Upper

276 100

138 17.1 8.5 12.7#

277 28.6 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

