

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031419\
 Data File : BM019174.D
 Acq On : 14 Mar 2019 18:05
 Operator : JU/SJ
 Sample : K1899-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-4A

Quant Time: Mar 15 05:21:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 11 17:30:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	245424	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1115236	20.00	ng	0.01
39) Acenaphthene-d10	14.32	164	728625	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	1692247	20.00	ng	0.00
76) Chrysene-d12	21.27	240	1443335	20.00	ng	0.00
87) Perylene-d12	23.50	264	1232855	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	888679	58.64	ng	0.00
7) Phenol-d6	6.85	99	825055	37.22	ng	0.00
23) Nitrobenzene-d5	8.83	82	2073693	87.90	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	1469715	136.62	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	4495781	80.26	ng	0.00
79) Terphenyl-d14	19.70	244	6880735	94.64	ng	0.00

Target Compounds

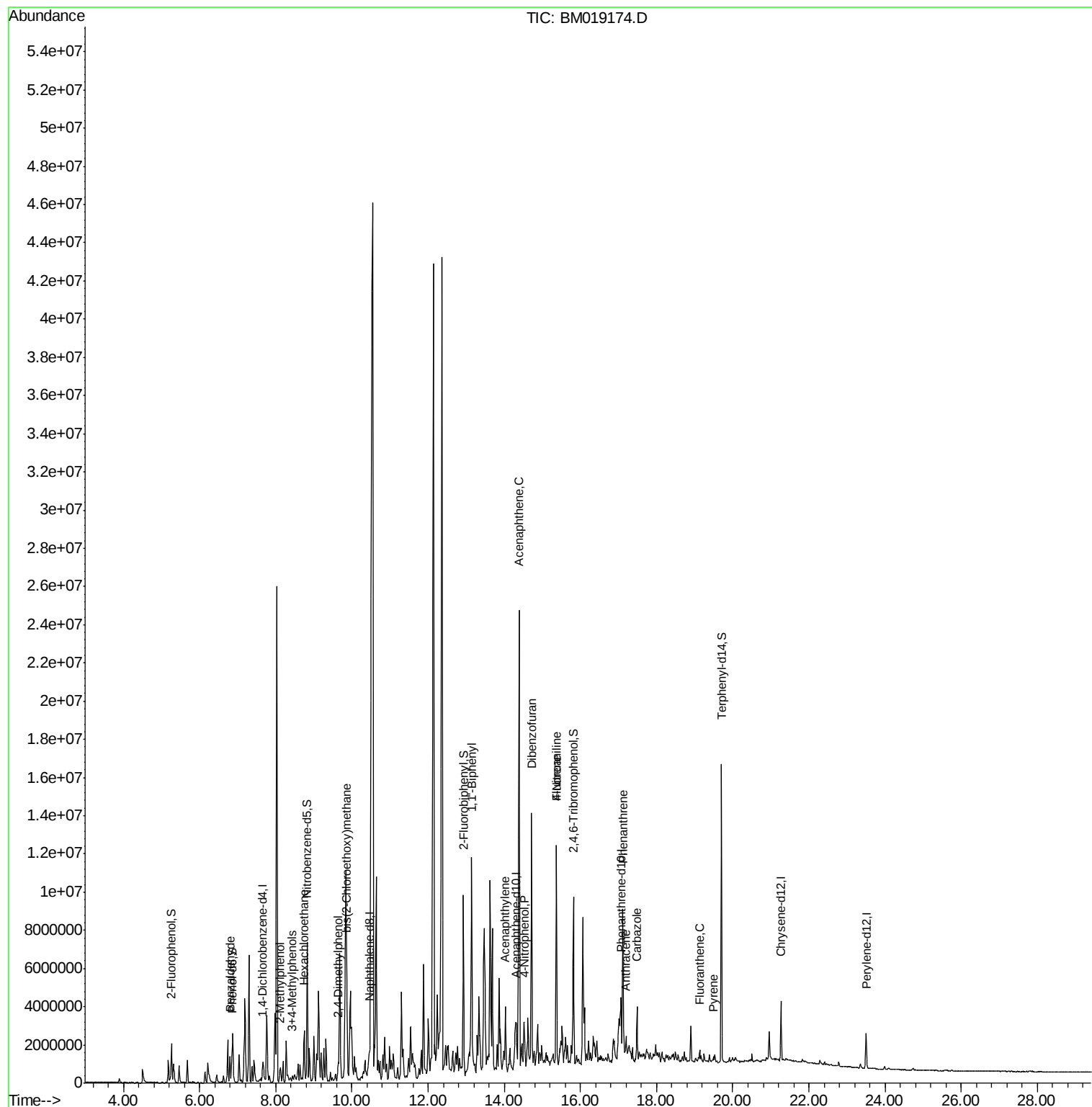
						Qvalue
9) Benzaldehyde	6.80	77	103436	7.419	ng	# 1
17) 2-Methylphenol	8.11	107	196327	12.611	ng	95
18) Hexachloroethane	8.75	117	379435	51.970	ng	# 1
20) 3+4-Methylphenols	8.44	107	70674	3.345	ng	# 80
27) 2,4-Dimethylphenol	9.65	122	226572	14.985	ng	99
28) bis(2-Chloroethoxy)methane	9.87	93	153642	5.764	ng	# 1
46) 1,1'-Biphenyl	13.15	154	5507494	86.553	ng	99
49) Acenaphthylene	14.03	152	202847	2.526	ng	# 39
52) Acenaphthene	14.39	154	8693202	188.381	ng	99
55) Dibenzofuran	14.72	168	8017640	107.734	ng	99
56) 4-Nitrophenol	14.52	139	23801	2.043	ng	# 1
58) Fluorene	15.37	166	4919297	80.193	ng	99
62) 4-Nitroaniline	15.37	138	54206	3.769	ng	# 43
71) Phenanthrene	17.11	178	3959455	39.918	ng	99
72) Anthracene	17.20	178	724071	7.457	ng	97
73) Carbazole	17.49	167	1695818	18.504	ng	100
75) Fluoranthene	19.13	202	294980	2.592	ng	97
78) Pyrene	19.50	202	189193	2.072	ng	94

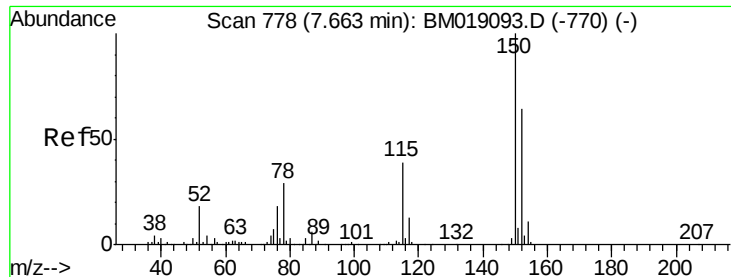
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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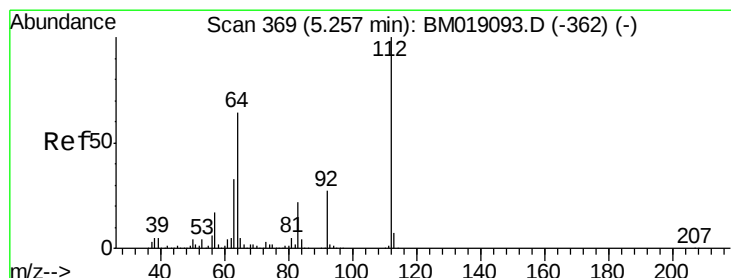
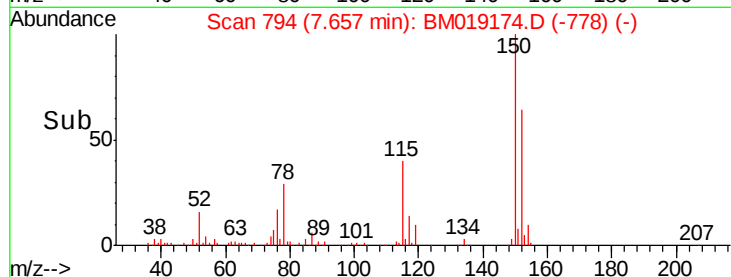
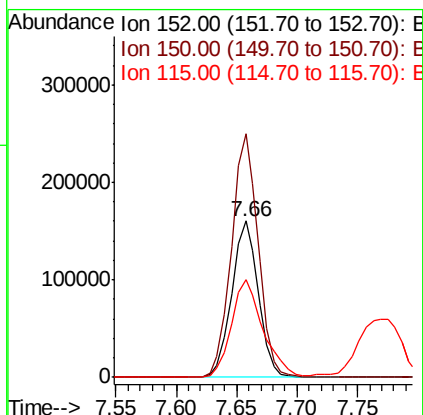
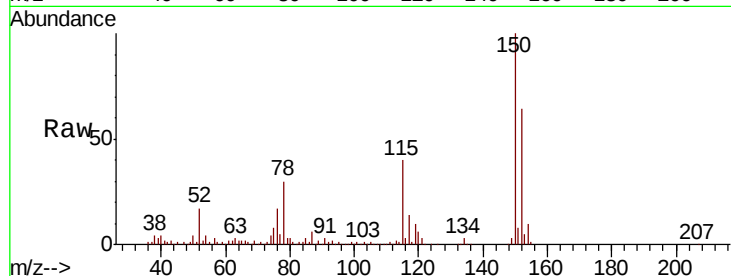


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM019174.D
Acq: 14 Mar 2019 18:05

Instrument :
BNA_M
ClientSampleId :
MW-4A

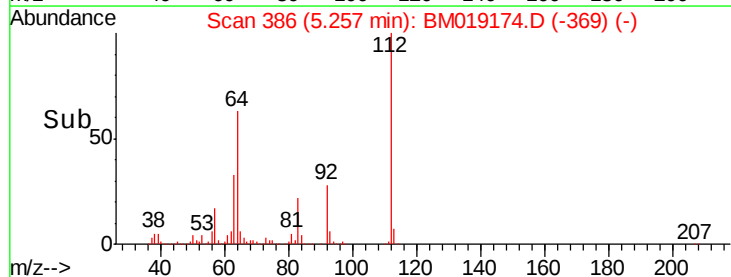
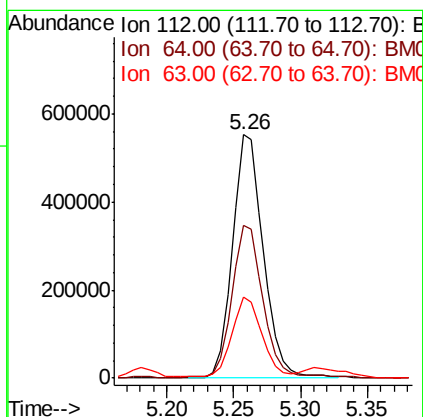
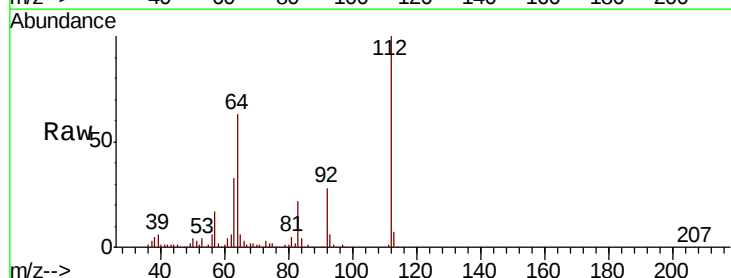
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	125.3	187.9
115	62.3	49.4	74.0

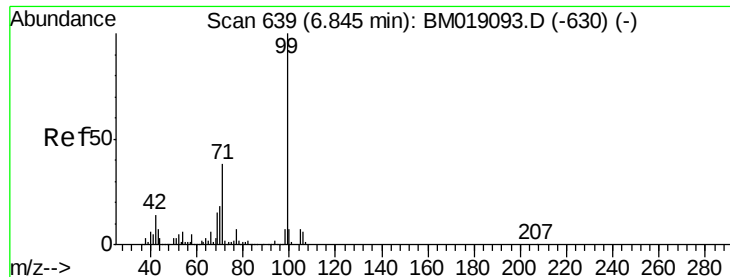


#5

2-Fluorophenol
Concen: 58.641 ng
RT: 5.26 min Scan# 386
Delta R.T. 0.00 min
Lab File: BM019174.D
Acq: 14 Mar 2019 18:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	51.4	77.0
63	33.1	26.6	40.0





#7

Phenol-d6

Concen: 37.221 ng

RT: 6.85 min Scan# 656

Delta R.T. 0.00 min

Lab File: BM019174.D

Acq: 14 Mar 2019 18:05

Instrument :

BNA_M

ClientSampleId :

MW-4A

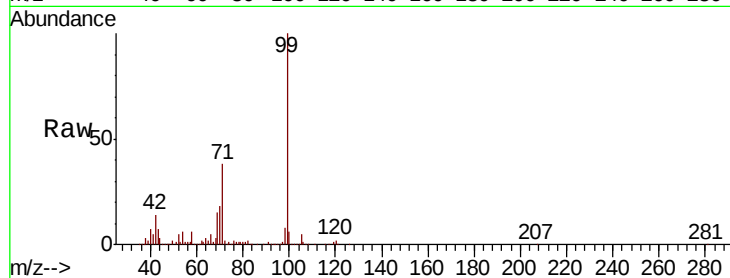
Tot Ion: 99 Resp: 825055

Ion Ratio Lower Upper

99 100

42 13.9 10.9 16.3

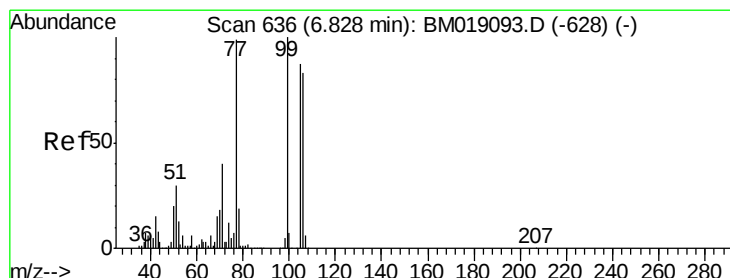
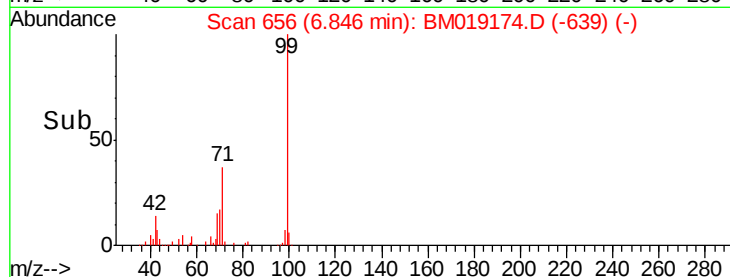
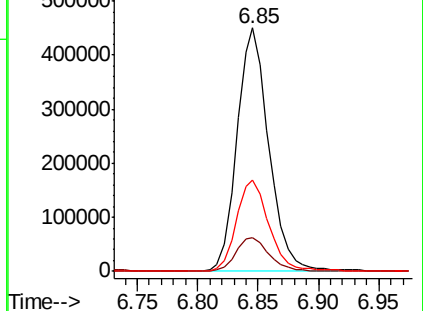
71 37.6 30.3 45.5



Abundance Ion 99.00 (98.70 to 99.70): BM019093.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM019093.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM019093.D (-630) (-)



#9

Benzaldehyde

Concen: 7.419 ng

RT: 6.80 min Scan# 648

Delta R.T. -0.03 min

Lab File: BM019174.D

Acq: 14 Mar 2019 18:05

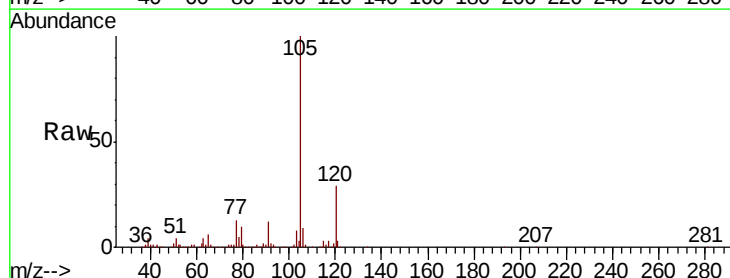
Tgt Ion: 77 Resp: 103436

Ion Ratio Lower Upper

77 100

105 774.1 67.7 107.7#

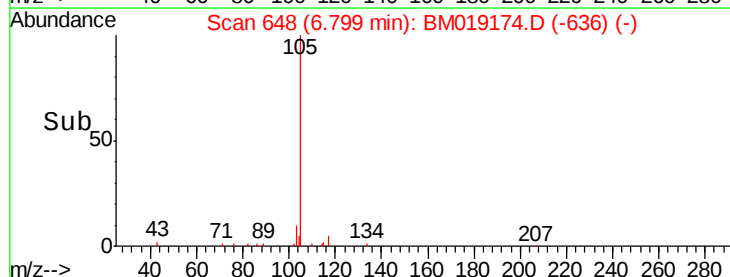
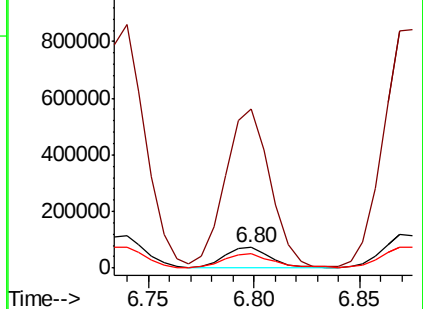
106 68.3 64.1 104.1

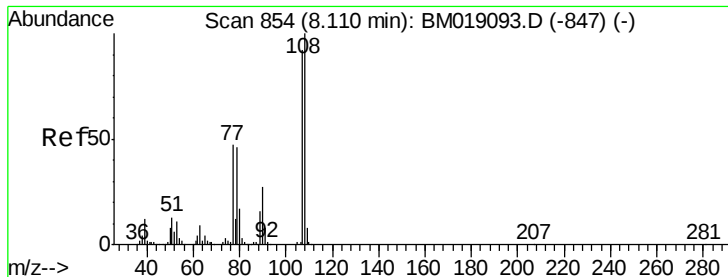


Abundance Ion 77.00 (76.70 to 77.70): BM019093.D (-628) (-)

Ion 105.00 (104.70 to 105.70): BM019093.D (-628) (-)

Ion 106.00 (105.70 to 106.70): BM019093.D (-628) (-)





#17

2-Methylphenol

Concen: 12.611 ng

RT: 8.11 min Scan# 871

Delta R.T. 0.00 min

Lab File: BM019174.D

Acq: 14 Mar 2019 18:05

Instrument :

BNA_M

ClientSampled :

MW-4A

Tot Ion:107 Resp: 196327

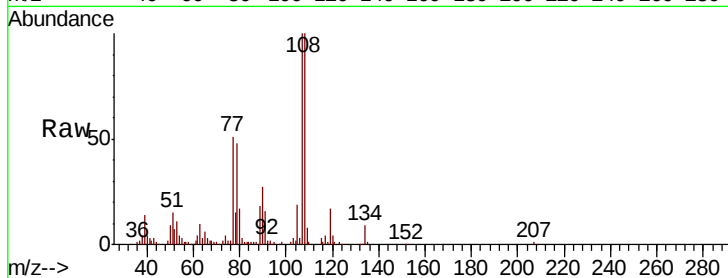
Ion Ratio Lower Upper

107 100

108 100.4 87.4 131.2

77 51.6 41.6 62.4

79 48.6 40.6 60.8

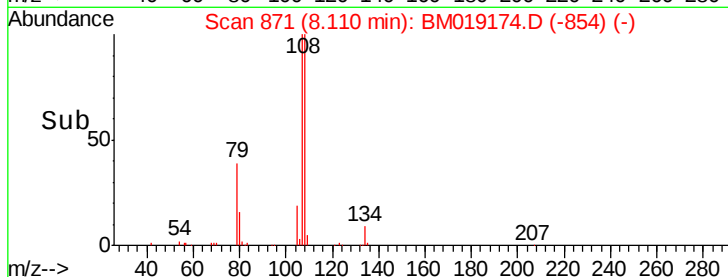


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

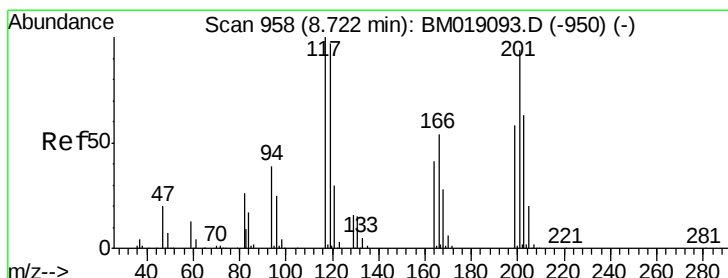
Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



Time-->

8.05 8.10 8.15 8.20



#18

Hexachloroethane

Concen: 51.970 ng

RT: 8.75 min Scan# 979

Delta R.T. 0.02 min

Lab File: BM019174.D

Acq: 14 Mar 2019 18:05

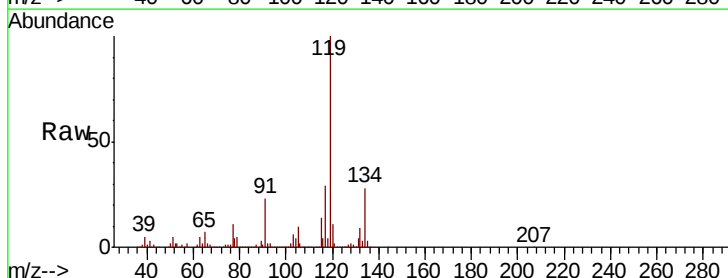
Tgt Ion:117 Resp: 379435

Ion Ratio Lower Upper

117 100

119 349.2 77.4 116.2#

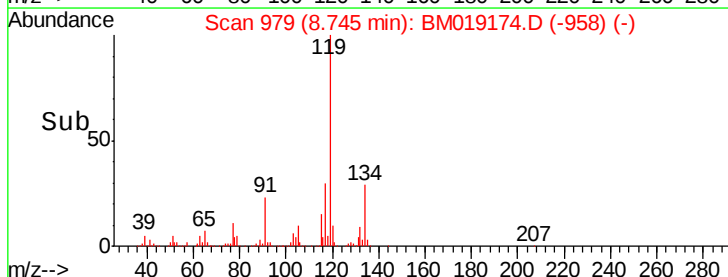
201 0.0 75.2 112.8#



Abundance Ion 117.00 (116.70 to 117.70): E

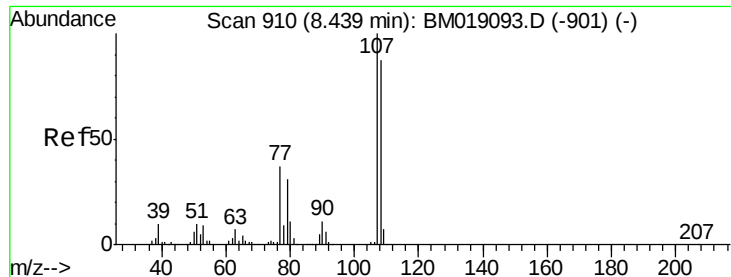
Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



Time-->

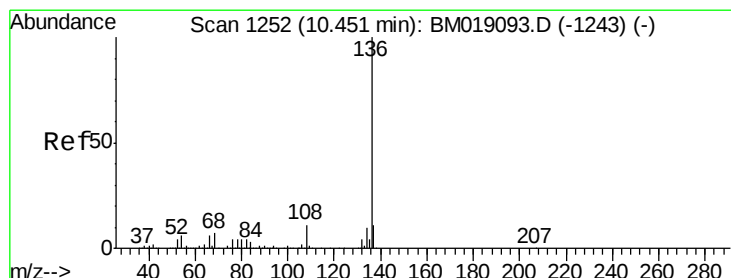
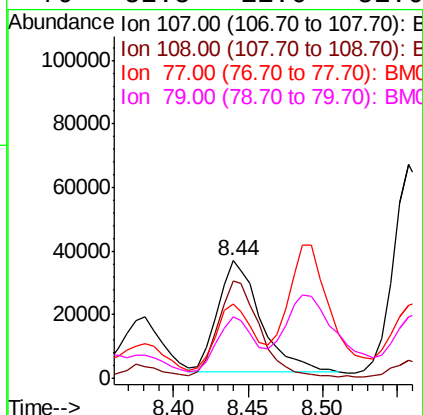
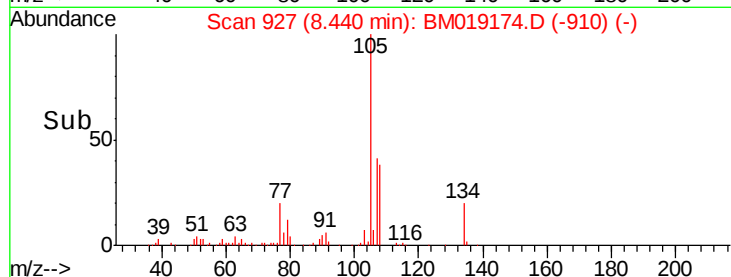
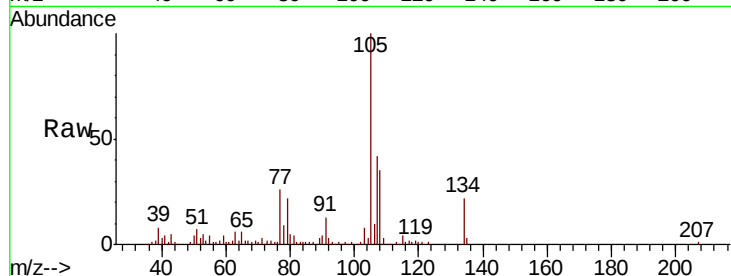
8.65 8.70 8.75 8.80



#20
3+4-Methylphenols
Concen: 3.345 ng
RT: 8.44 min Scan# 927
Delta R.T. 0.00 min
Lab File: BM019174.D
Acq: 14 Mar 2019 18:05

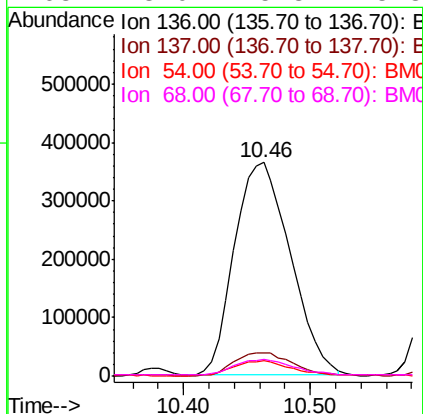
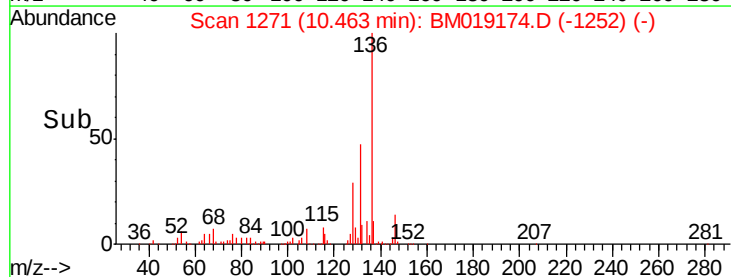
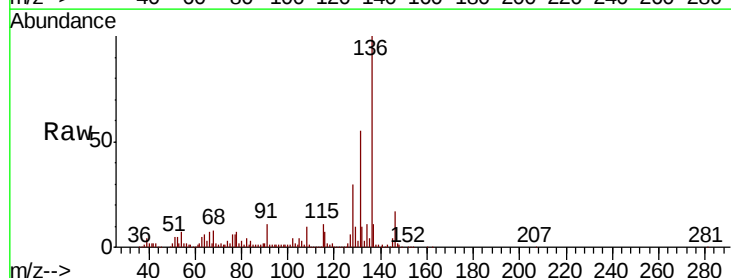
Instrument :
BNA_M
ClientSampled :
MW-4A

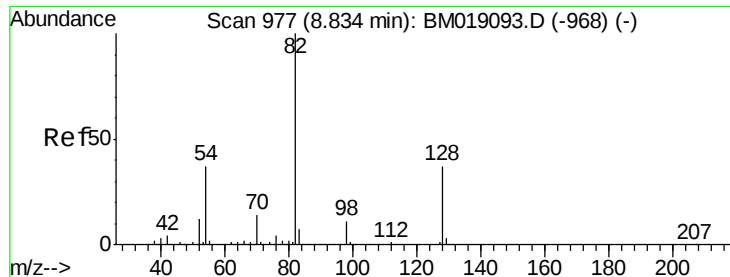
Tot Ion:107 Resp: 70674
Ion Ratio Lower Upper
107 100
108 83.3 67.0 107.0
77 63.3 17.3 57.3#
79 52.5 11.6 51.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1271
Delta R.T. 0.01 min
Lab File: BM019174.D
Acq: 14 Mar 2019 18:05

Tgt Ion:136 Resp: 1115236
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.0 5.2 7.8
68 8.0 5.8 8.8

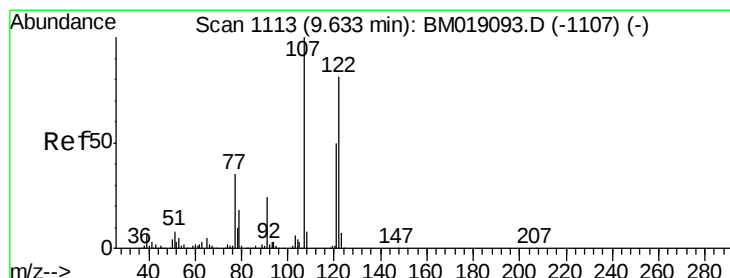
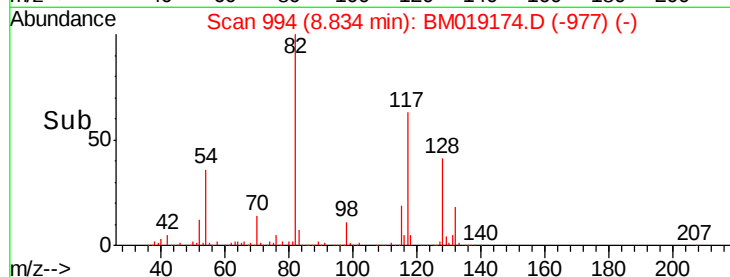
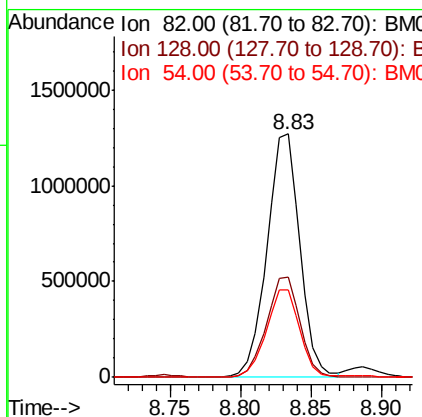
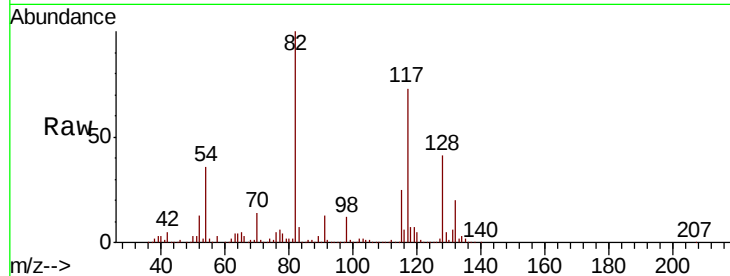




#23
Nitrobenzene-d5
Concen: 87.895 ng
RT: 8.83 min Scan# 994
Delta R.T. 0.00 min
Lab File: BM019174.D
Acq: 14 Mar 2019 18:05

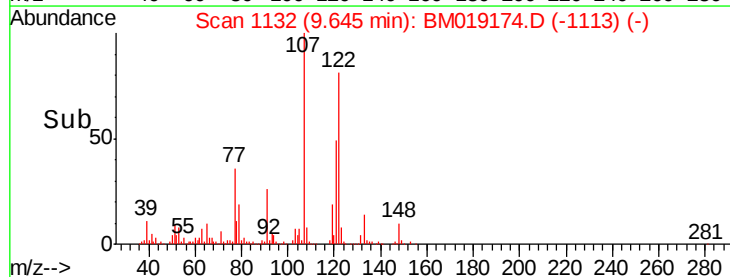
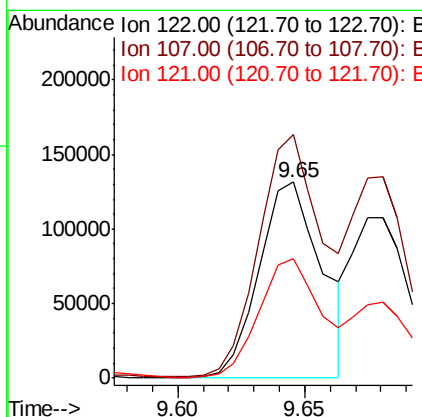
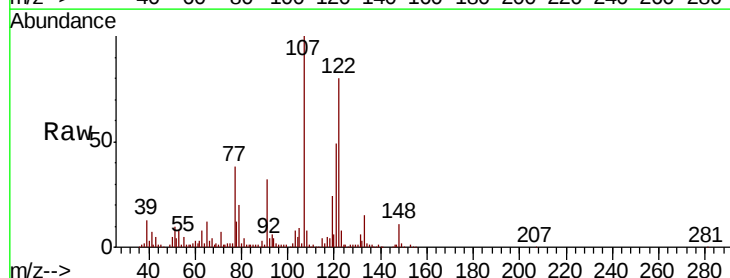
Instrument :
BNA_M
ClientSampleId :
MW-4A

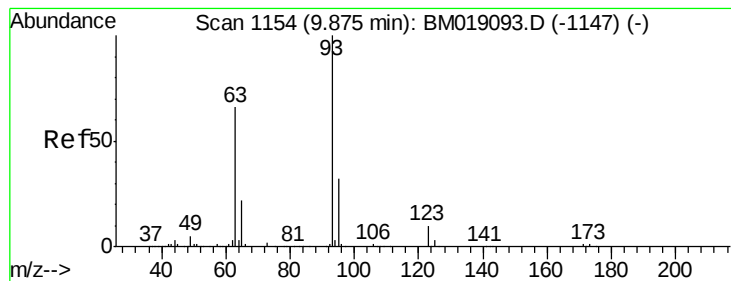
Tot Ion: 82 Resp: 2073693
Ion Ratio Lower Upper
82 100
128 41.1 29.4 44.2
54 36.1 29.9 44.9



#27
2,4-Dimethylphenol
Concen: 14.985 ng
RT: 9.65 min Scan# 1132
Delta R.T. 0.01 min
Lab File: BM019174.D
Acq: 14 Mar 2019 18:05

Tgt Ion:122 Resp: 226572
Ion Ratio Lower Upper
122 100
107 124.3 98.2 147.4
121 60.8 48.8 73.2





#28

bis(2-Chloroethoxy)methane

Concen: 5.764 ng

RT: 9.87 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BM019174.D

Acq: 14 Mar 2019 18:05

Instrument :

BNA_M

ClientSampleId :

MW-4A

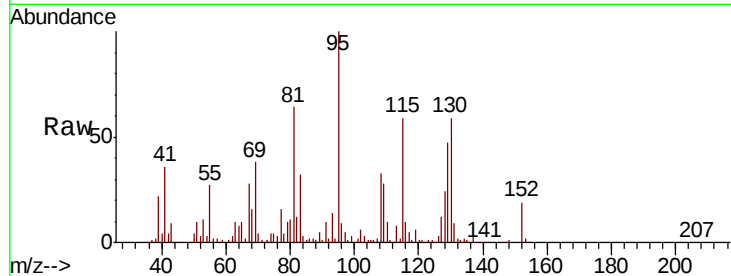
Tot Ion: 93 Resp: 153642

Ion Ratio Lower Upper

93 100

95 696.8 25.8 38.8#

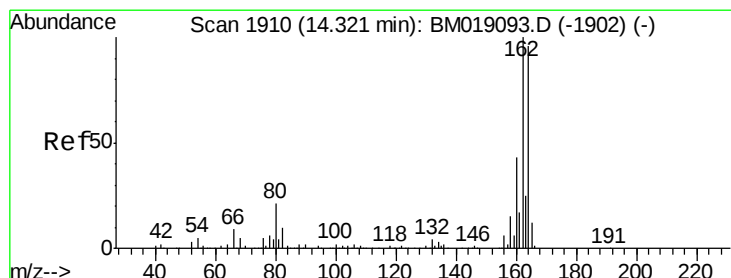
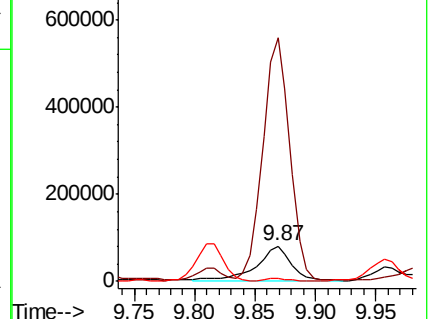
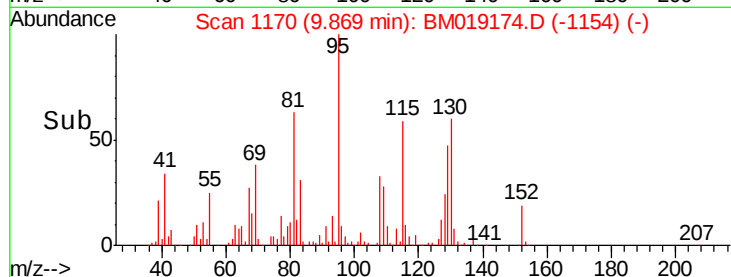
123 8.3 7.9 11.9



Abundance Ion 93.00 (92.70 to 93.70): BM019093.D (-1147) (-)

Ion 95.00 (94.70 to 95.70): BM019093.D (-1147) (-)

Ion 123.00 (122.70 to 123.70): BM019093.D (-1147) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BM019174.D

Acq: 14 Mar 2019 18:05

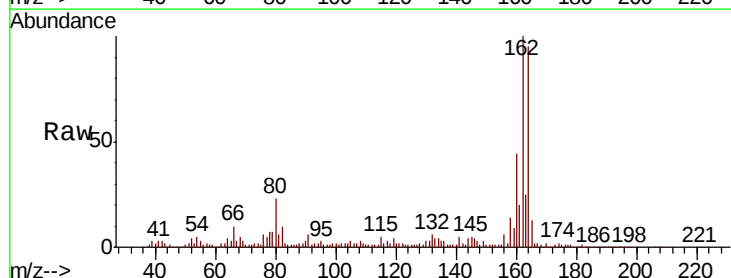
Tgt Ion:164 Resp: 728625

Ion Ratio Lower Upper

164 100

162 105.1 83.5 125.3

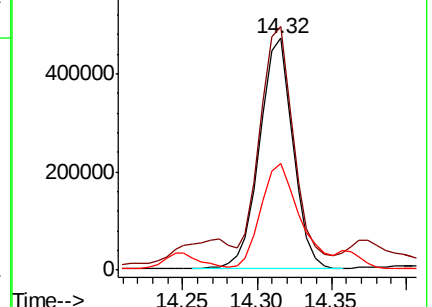
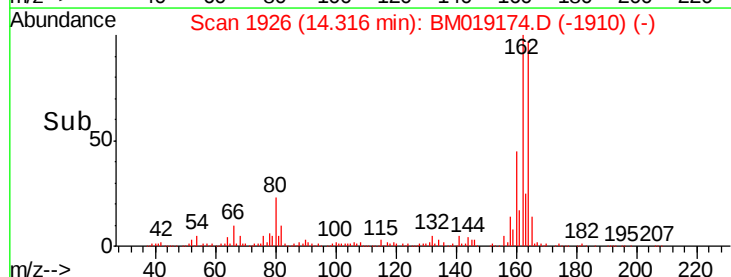
160 46.2 36.3 54.5

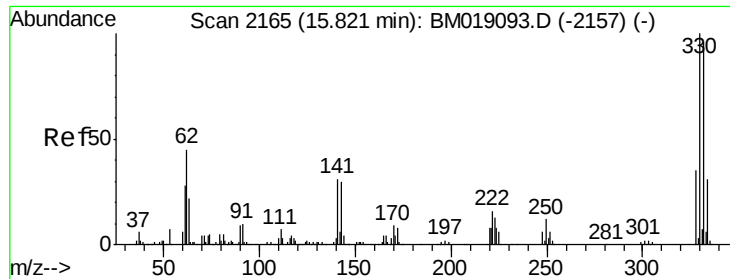


Abundance Ion 164.00 (163.70 to 164.70): BM019093.D (-1902) (-)

Ion 162.00 (161.70 to 162.70): BM019093.D (-1902) (-)

Ion 160.00 (159.70 to 160.70): BM019093.D (-1902) (-)

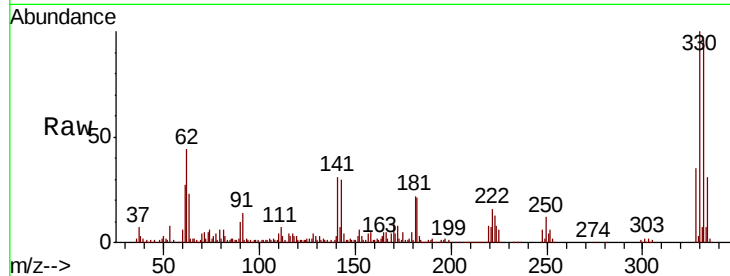




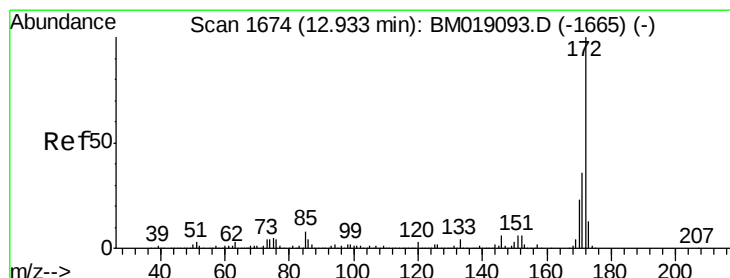
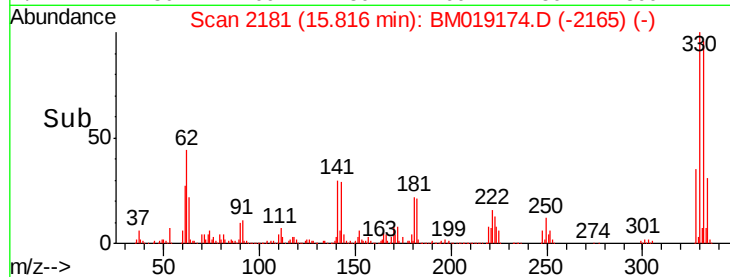
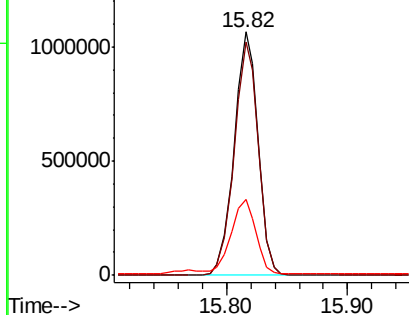
#42
 2,4,6-Tribromophenol
 Concen: 136.617 ng
 RT: 15.82 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: BM019174.D
 Acq: 14 Mar 2019 18:05

Instrument :
 BNA_M
 ClientSampleId :
 MW-4A

Tot Ion:330 Resp: 1469715
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.8 115.2
 141 31.6 27.0 40.4

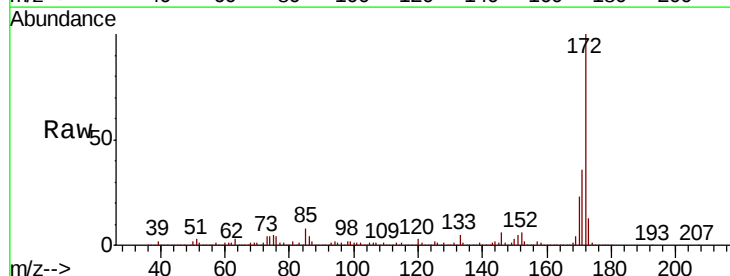


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

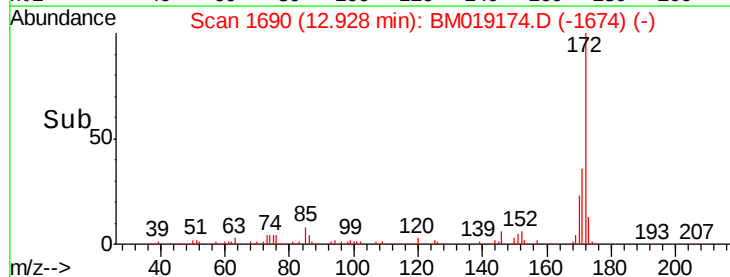
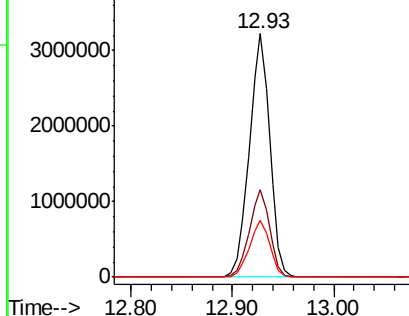


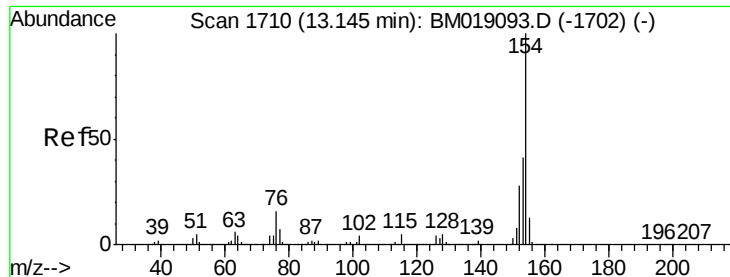
#45
 2-Fluorobiphenyl
 Concen: 80.260 ng
 RT: 12.93 min Scan# 1690
 Delta R.T. -0.01 min
 Lab File: BM019174.D
 Acq: 14 Mar 2019 18:05

Tgt Ion:172 Resp: 4495781
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 42.8
 170 23.4 18.6 28.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

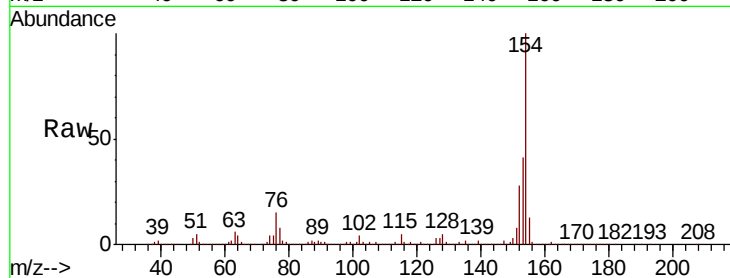




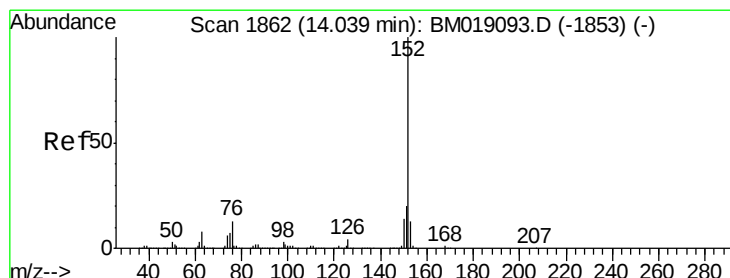
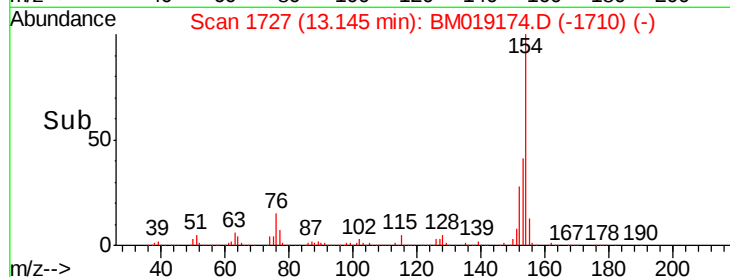
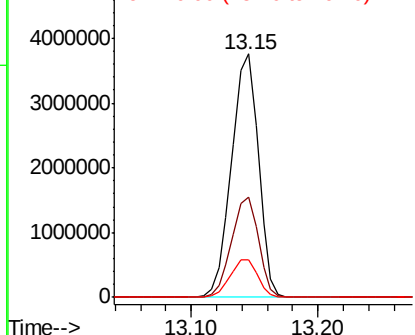
#46
1,1'-Biphenyl
Concen: 86.553 ng
RT: 13.15 min Scan# 1727
Delta R.T. 0.00 min
Lab File: BM019174.D
Acq: 14 Mar 2019 18:05

Instrument :
BNA_M
ClientSampled :
MW-4A

Tot Ion:154 Resp: 5507494
Ion Ratio Lower Upper
154 100
153 41.1 21.5 61.5
76 15.5 0.0 35.8

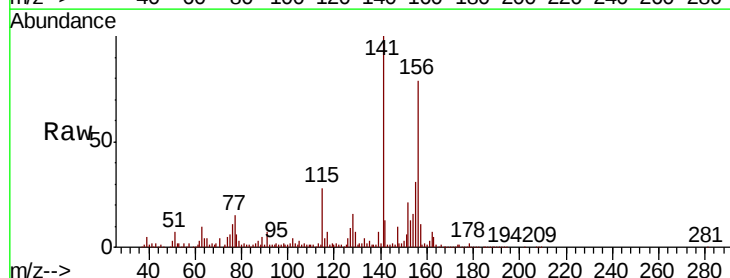


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM

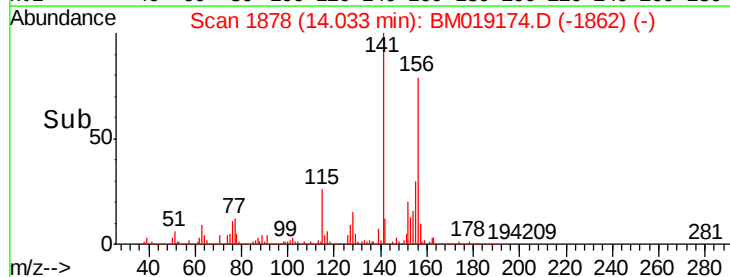
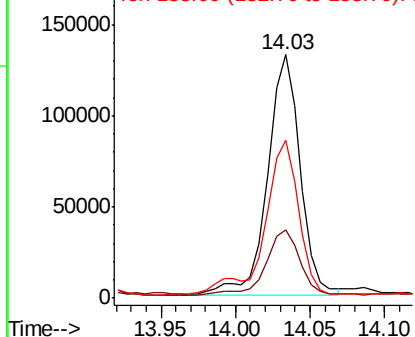


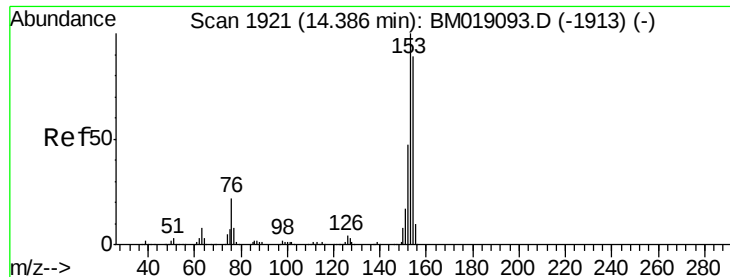
#49
Acenaphthylene
Concen: 2.526 ng
RT: 14.03 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BM019174.D
Acq: 14 Mar 2019 18:05

Tgt Ion:152 Resp: 202847
Ion Ratio Lower Upper
152 100
151 27.9 16.2 24.2#
153 64.7 10.6 15.8#



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





#52

Acenaphthene

Concen: 188.381 ng

RT: 14.39 min Scan# 1938

Delta R.T. 0.00 min

Lab File: BM019174.D

Acq: 14 Mar 2019 18:05

Instrument :

BNA_M

ClientSampleId :

MW-4A

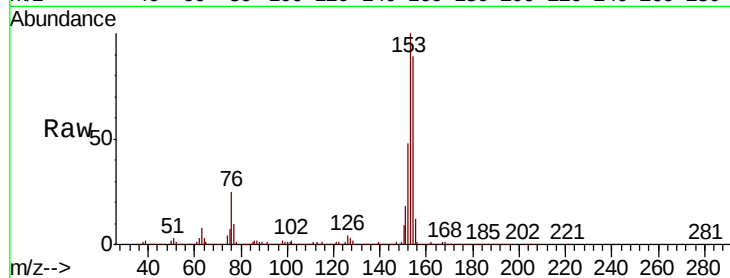
Tot Ion:154 Resp: 8693202

Ion Ratio Lower Upper

154 100

153 112.6 90.1 135.1

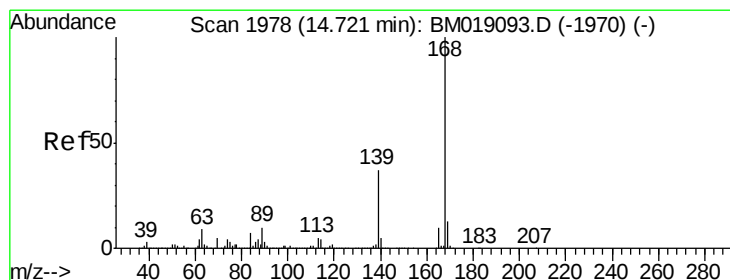
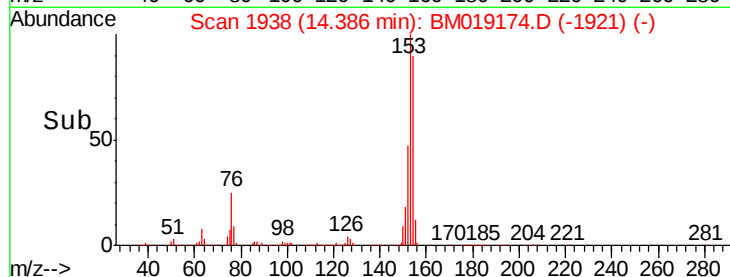
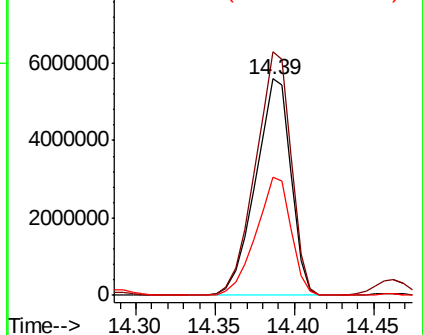
152 54.5 42.5 63.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 107.734 ng

RT: 14.72 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BM019174.D

Acq: 14 Mar 2019 18:05

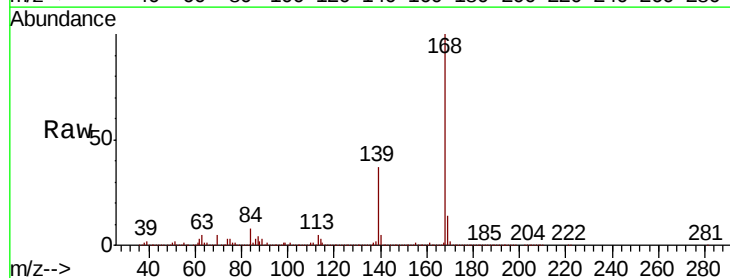
Tgt Ion:168 Resp: 8017640

Ion Ratio Lower Upper

168 100

139 36.9 30.1 45.1

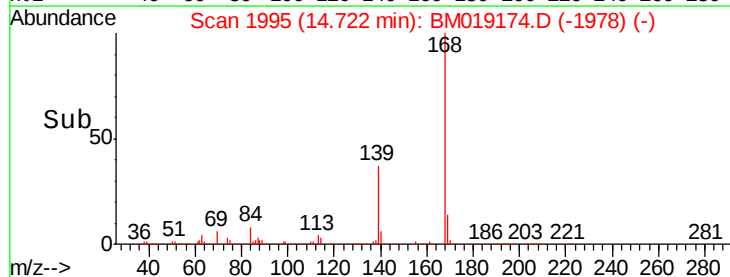
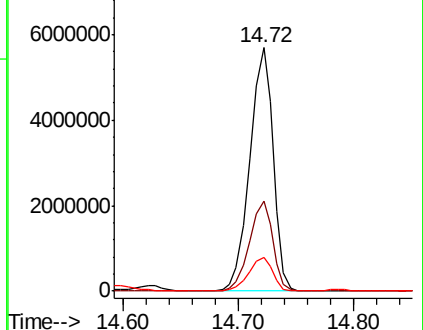
169 14.0 10.6 16.0

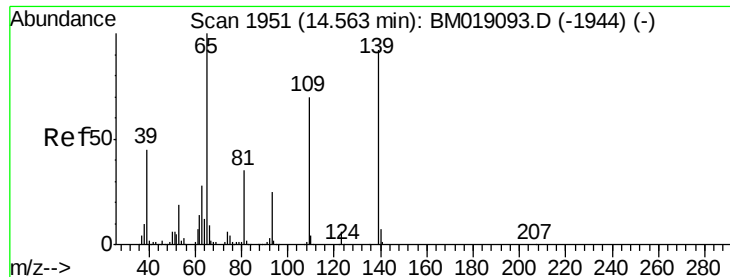


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

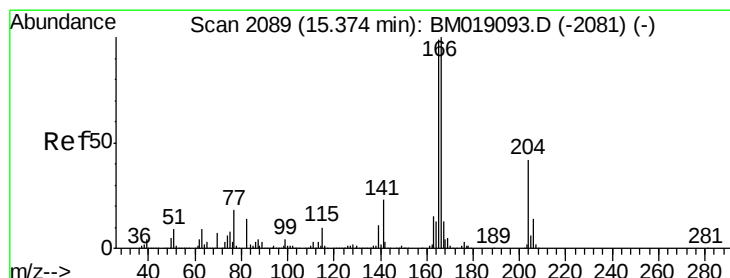
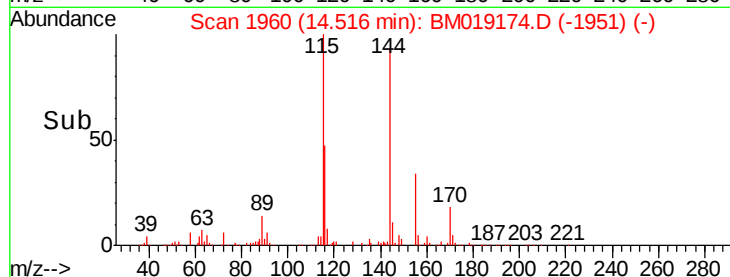
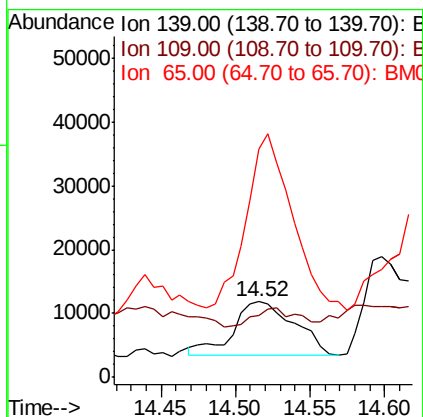
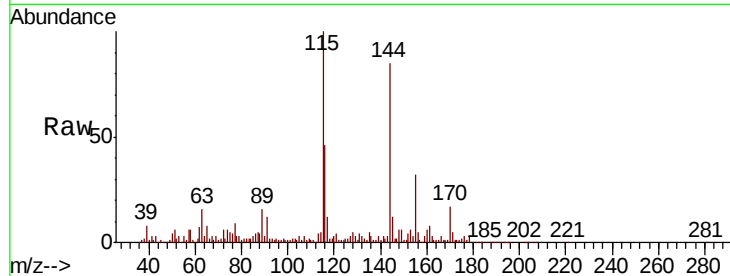




#56
4-Nitrophenol
Concen: 2.043 ng
RT: 14.52 min Scan# 1960
Delta R.T. -0.05 min
Lab File: BM019174.D
Acq: 14 Mar 2019 18:05

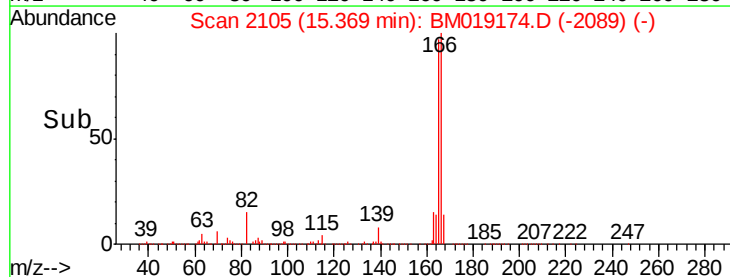
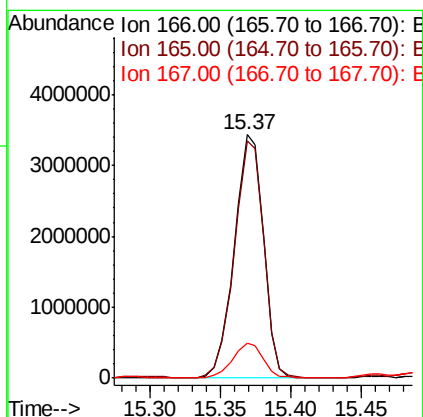
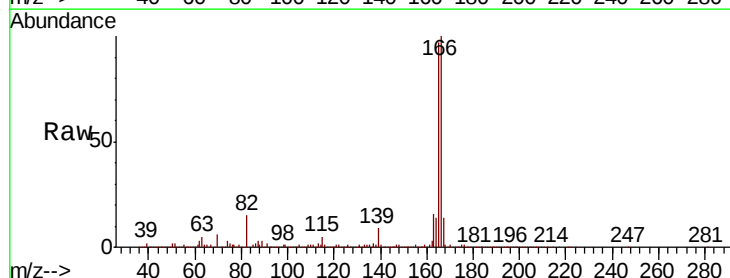
Instrument :
BNA_M
ClientSampleID :
MW-4A

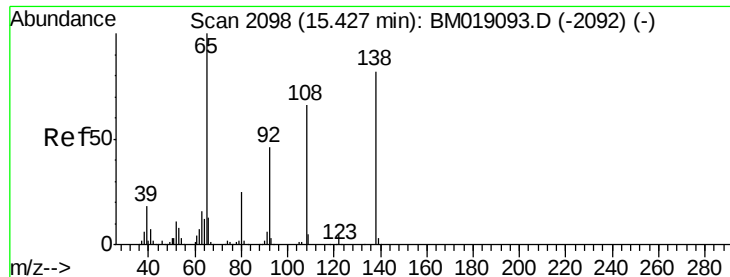
Tot Ion:139 Resp: 23801
Ion Ratio Lower Upper
139 100
109 82.0 56.3 96.3
65 301.3 89.2 129.2#



#58
Fluorene
Concen: 80.193 ng
RT: 15.37 min Scan# 2105
Delta R.T. -0.01 min
Lab File: BM019174.D
Acq: 14 Mar 2019 18:05

Tgt Ion:166 Resp: 4919297
Ion Ratio Lower Upper
166 100
165 97.3 79.0 118.4
167 14.3 10.8 16.2

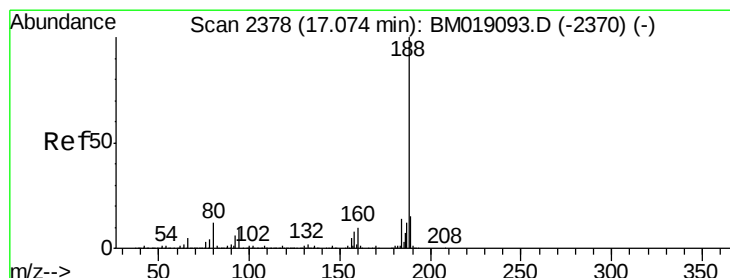
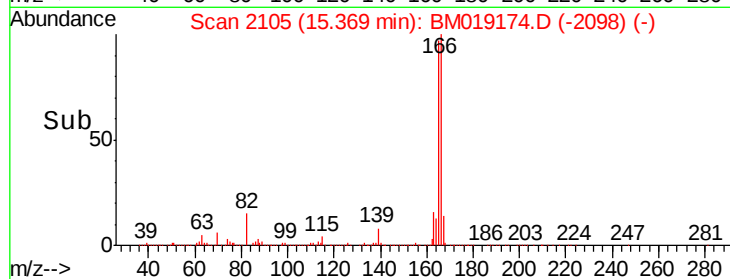
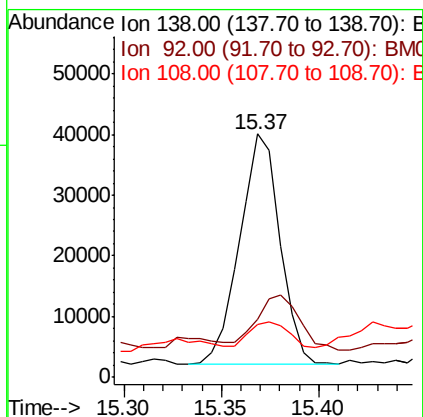
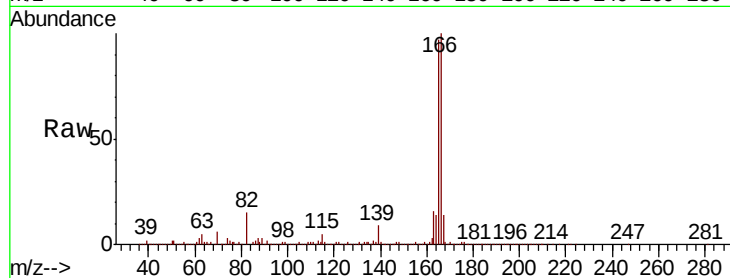




#62
4-Nitroaniline
Concen: 3.769 ng
RT: 15.37 min Scan# 2105
Delta R.T. -0.06 min
Lab File: BM019174.D
Acq: 14 Mar 2019 18:05

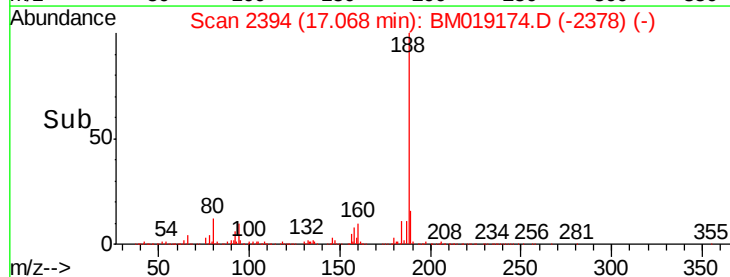
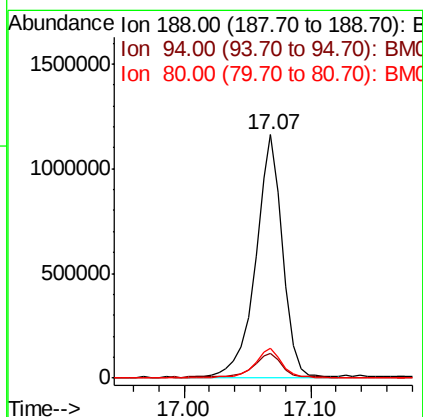
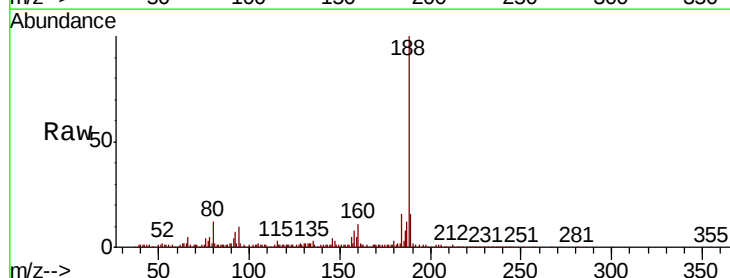
Instrument :
BNA_M
ClientSampleId :
MW-4A

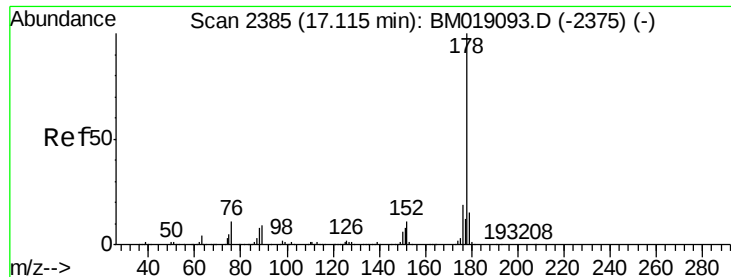
Tot Ion:138 Resp: 54206
Ion Ratio Lower Upper
138 100
92 23.6 36.2 76.2#
108 21.8 59.7 99.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BM019174.D
Acq: 14 Mar 2019 18:05

Tgt Ion:188 Resp: 1692247
Ion Ratio Lower Upper
188 100
94 10.3 8.1 12.1
80 12.1 9.7 14.5

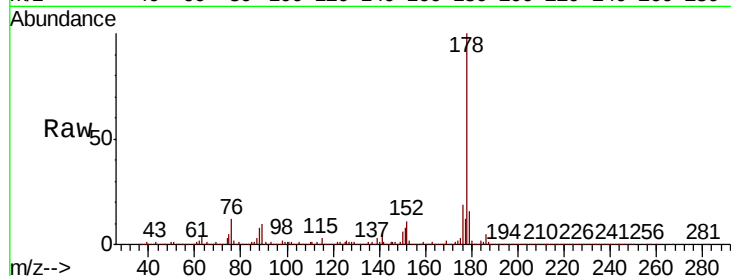




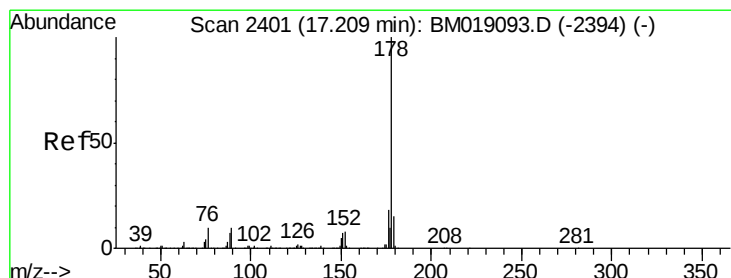
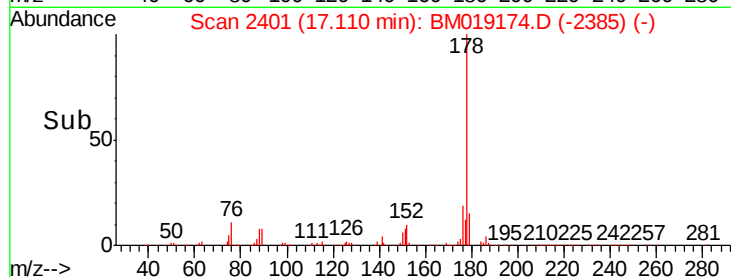
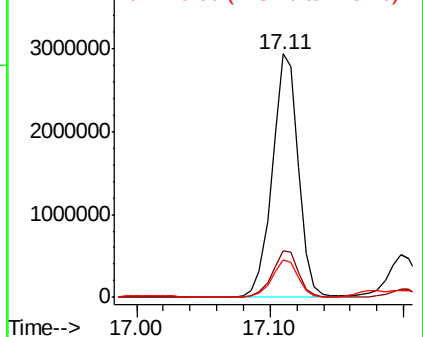
#71
Phenanthrene
Concen: 39.918 ng
RT: 17.11 min Scan# 2401
Delta R.T. -0.01 min
Lab File: BM019174.D
Acq: 14 Mar 2019 18:05

Instrument :
BNA_M
ClientSampleId :
MW-4A

Tot Ion:178 Resp: 3959455
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.7 12.2 18.2

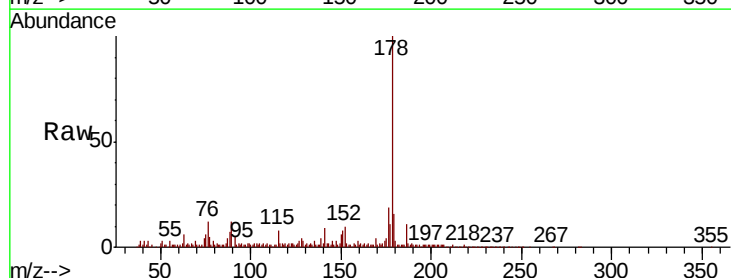


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

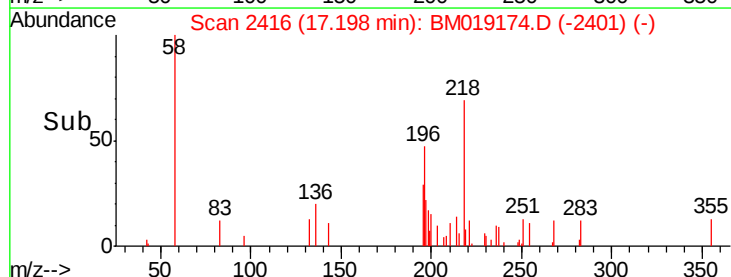
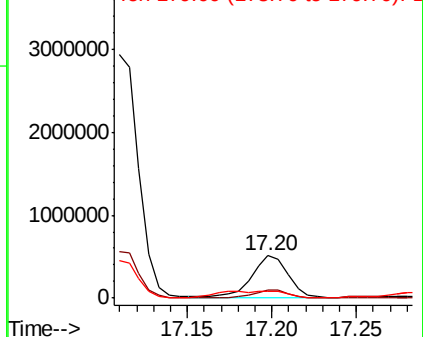


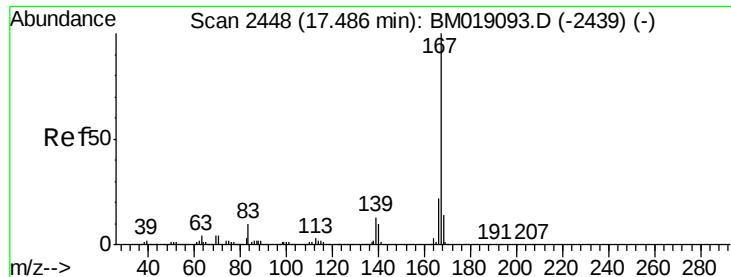
#72
Anthracene
Concen: 7.457 ng
RT: 17.20 min Scan# 2416
Delta R.T. -0.01 min
Lab File: BM019174.D
Acq: 14 Mar 2019 18:05

Tgt Ion:178 Resp: 724071
Ion Ratio Lower Upper
178 100
176 19.2 14.6 22.0
179 16.3 11.9 17.9



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

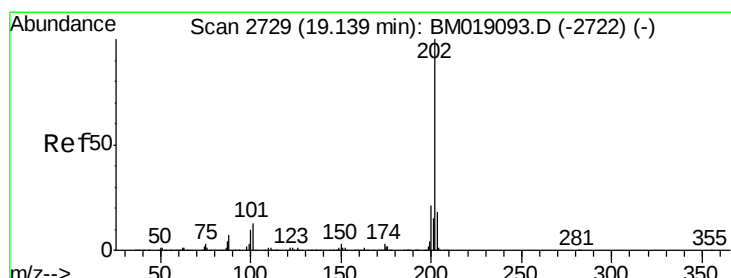
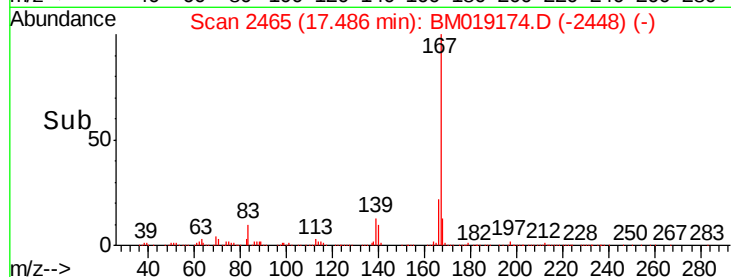
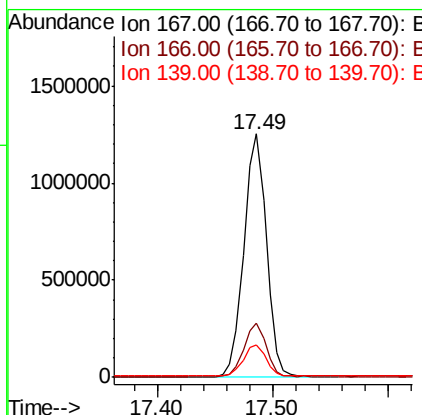
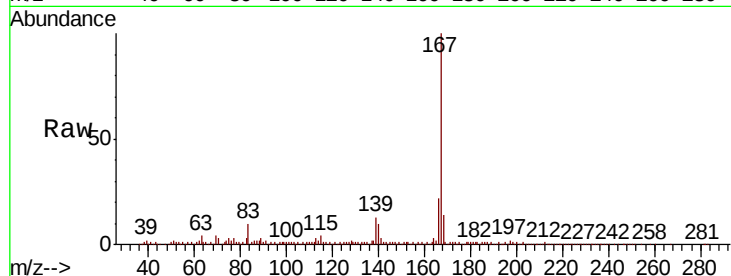




#73
 Carbazole
 Concen: 18.504 ng
 RT: 17.49 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: BM019174.D
 Acq: 14 Mar 2019 18:05

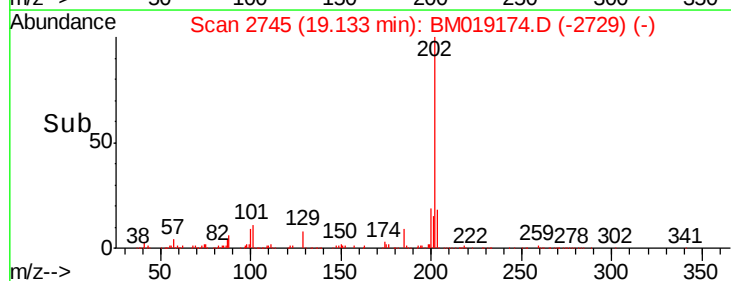
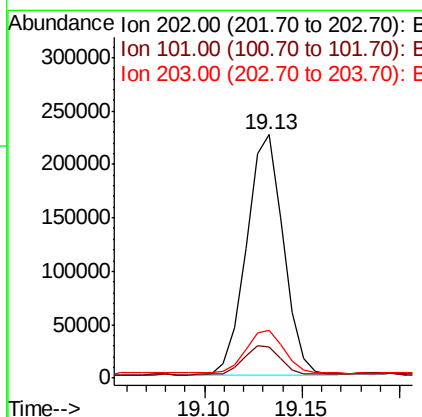
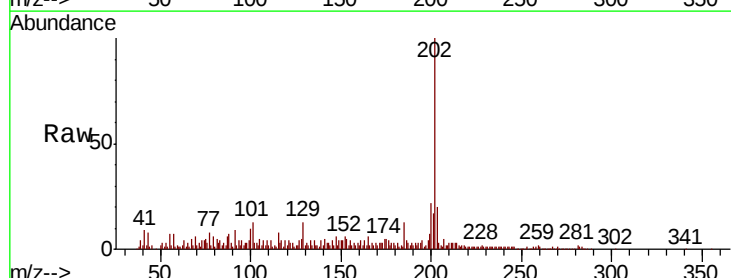
Instrument :
 BNA_M
 ClientSampleId :
 MW-4A

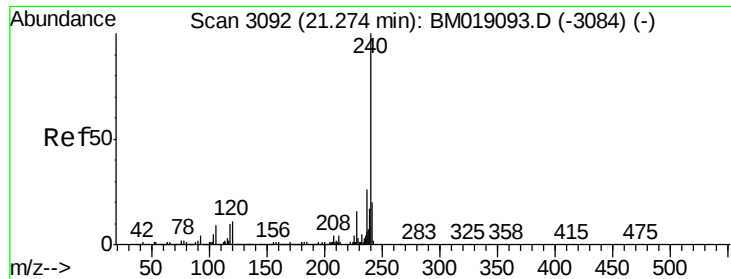
Tot Ion:167 Resp: 1695818
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.8 26.8
 139 13.1 10.5 15.7



#75
 Fluoranthene
 Concen: 2.592 ng
 RT: 19.13 min Scan# 2745
 Delta R.T. -0.01 min
 Lab File: BM019174.D
 Acq: 14 Mar 2019 18:05

Tgt Ion:202 Resp: 294980
 Ion Ratio Lower Upper
 202 100
 101 12.9 0.0 33.0
 203 19.8 0.0 37.8

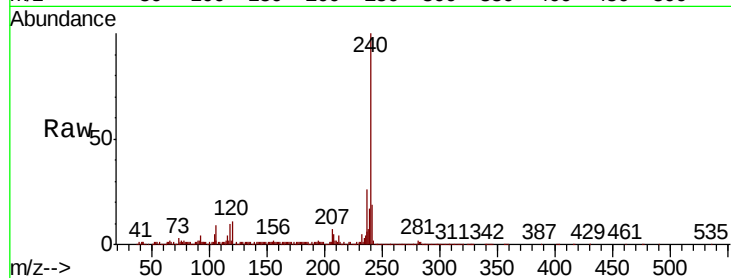




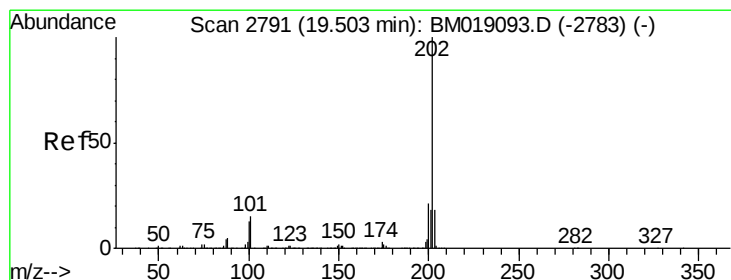
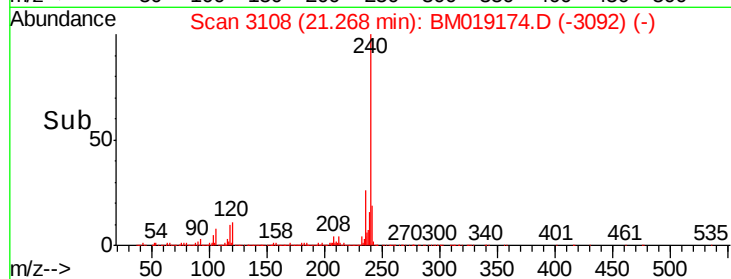
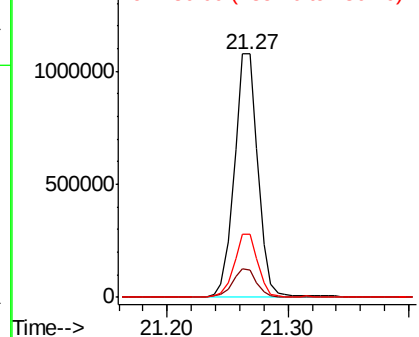
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.27 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BM019174.D
Acq: 14 Mar 2019 18:05

Instrument :
BNA_M
ClientSampled :
MW-4A

Tot Ion:240 Resp: 1443335
Ion Ratio Lower Upper
240 100
120 11.2 8.9 13.3
236 25.8 21.0 31.4

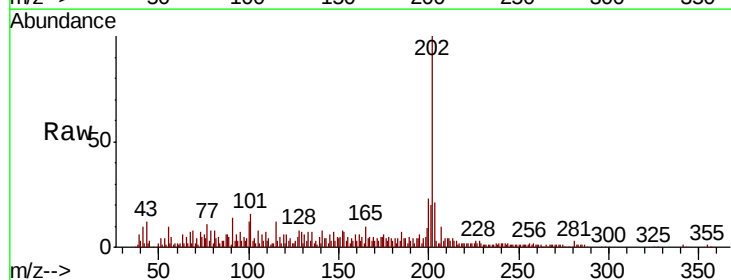


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

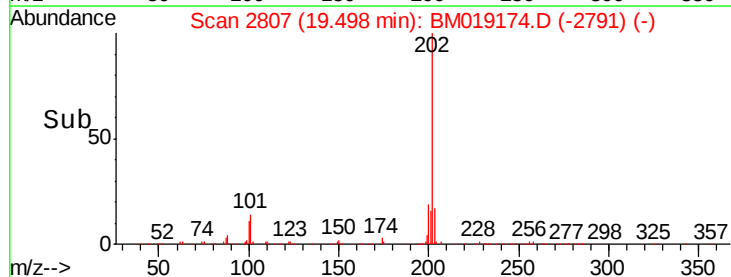
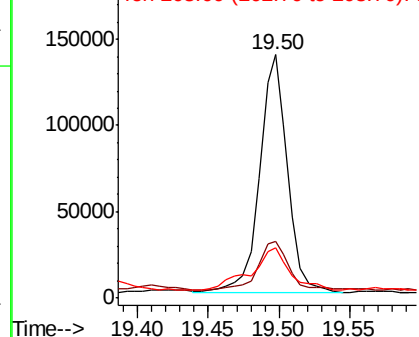


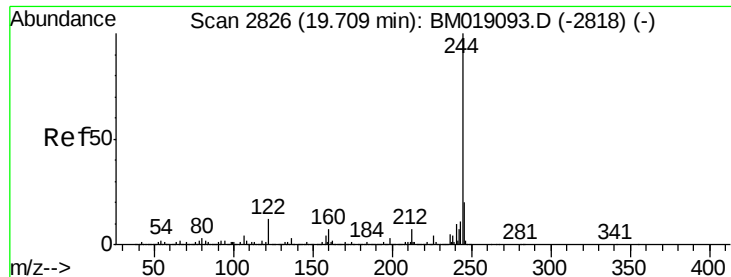
#78
Pyrene
Concen: 2.072 ng
RT: 19.50 min Scan# 2807
Delta R.T. -0.01 min
Lab File: BM019174.D
Acq: 14 Mar 2019 18:05

Tgt Ion:202 Resp: 189193
Ion Ratio Lower Upper
202 100
200 23.3 16.9 25.3
203 20.9 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 94.640 ng

RT: 19.70 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BM019174.D

Acq: 14 Mar 2019 18:05

Instrument :

BNA_M

ClientSampleId :

MW-4A

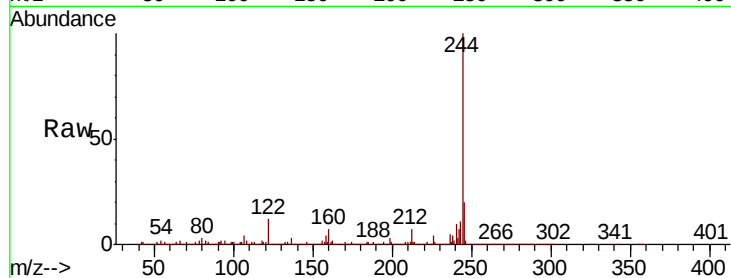
Tot Ion:244 Resp: 6880735

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

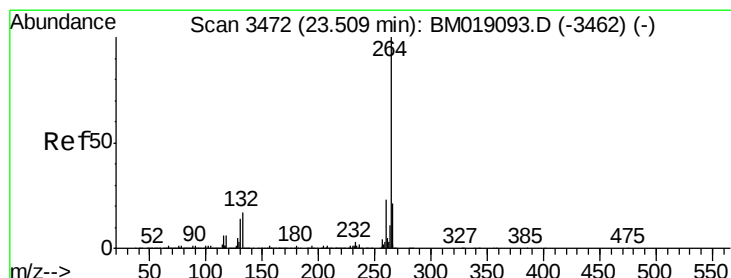
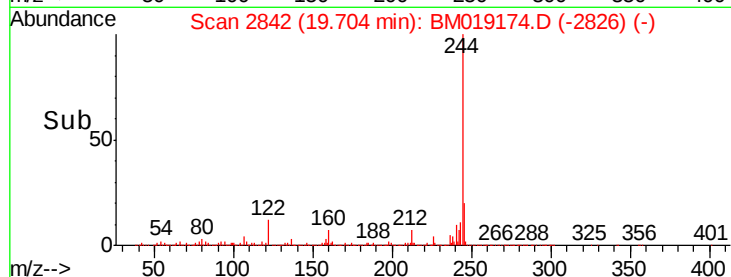
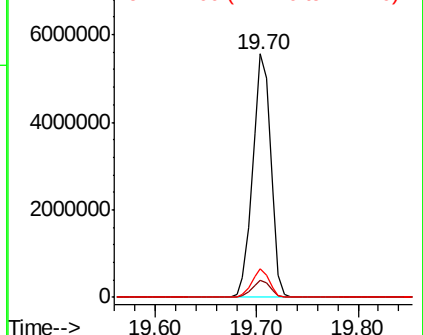
122 11.6 9.4 14.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.50 min Scan# 3488

Delta R.T. -0.01 min

Lab File: BM019174.D

Acq: 14 Mar 2019 18:05

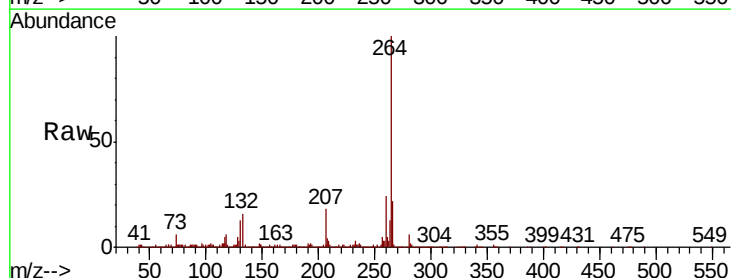
Tgt Ion:264 Resp: 1232855

Ion Ratio Lower Upper

264 100

260 24.1 18.6 28.0

265 22.1 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

