

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM031519\
 Data File : BM019188.D
 Acq On : 15 Mar 2019 16:13
 Operator : JU/SJ
 Sample : K1899-03DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-4ADL

Quant Time: Mar 16 01:34:40 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	7.65	152	201926	20.00	ng	-0.01
21) Naphthalene-d8	10.44	136	996205	20.00	ng	-0.01
39) Acenaphthene-d10	14.31	164	628616	20.00	ng	-0.01
64) Phenanthrene-d10	17.06	188	1396464	20.00	ng	-0.01
76) Chrysene-d12	21.26	240	1386297	20.00	ng	-0.01
87) Perylene-d12	23.50	264	1208571	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	158700	12.73	ng	0.00
7) Phenol-d6	6.84	99	147092	8.07	ng	0.00
23) Nitrobenzene-d5	8.82	82	375225	17.80	ng	-0.01
42) 2,4,6-Tribromophenol	15.81	330	260934	28.11	ng	-0.01
45) 2-Fluorobiphenyl	12.92	172	853011	17.65	ng	-0.01
79) Terphenyl-d14	19.70	244	1328145	19.02	ng	-0.01

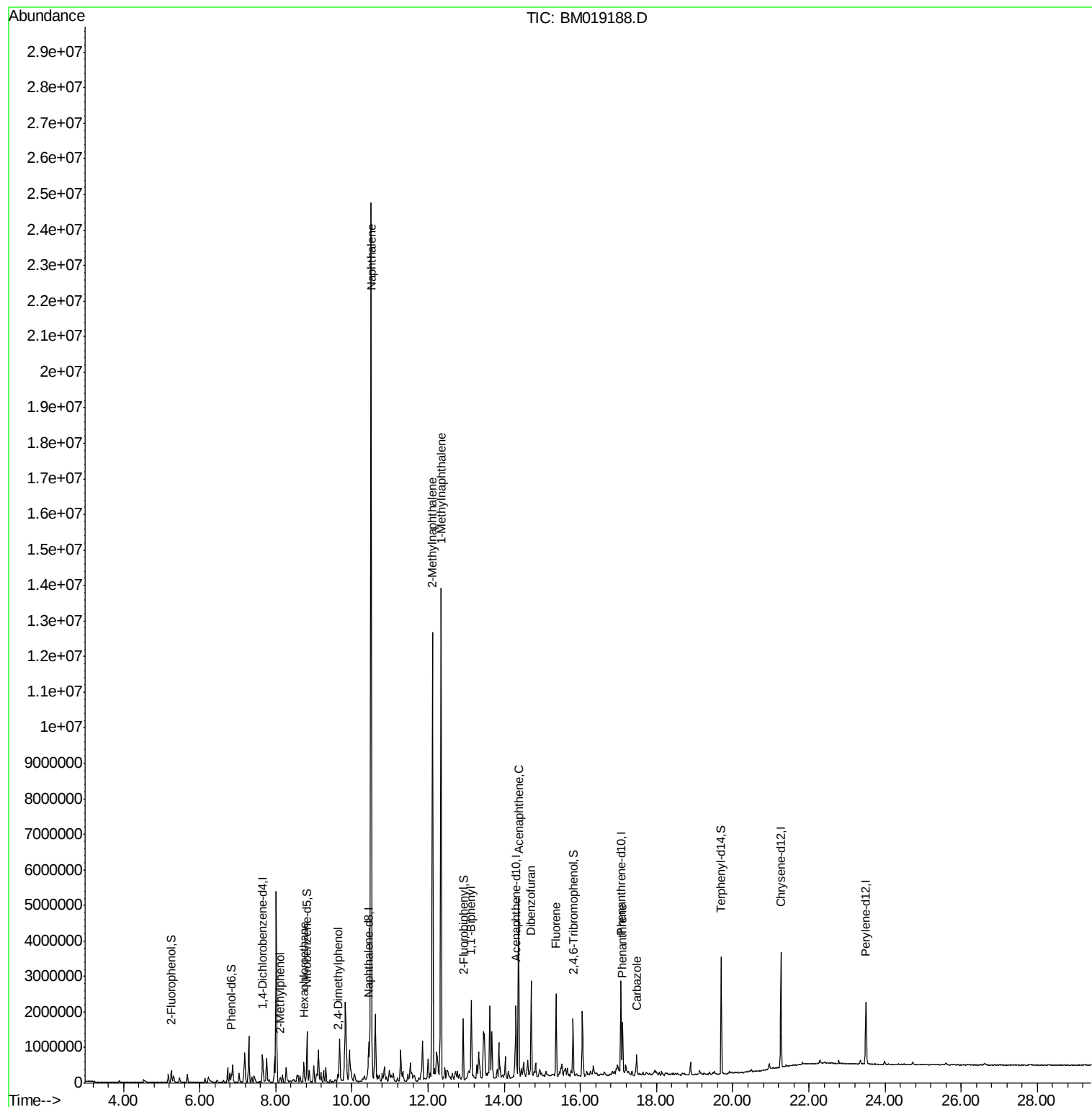
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) 2-Methylphenol	8.10	107	36563	2.855	ng	92
18) Hexachloroethane	8.74	117	72449	12.061	ng	# 1
27) 2,4-Dimethylphenol	9.63	122	40450	2.995	ng	100
31) Naphthalene	10.50	128	19006557	361.979	ng	# 89
37) 2-Methylnaphthalene	12.12	142	5838257	153.011	ng	100
38) 1-Methylnaphthalene	12.34	142	6064336	161.247	ng	100
46) 1,1'-Biphenyl	13.13	154	1059886	19.307	ng	99
52) Acenaphthene	14.37	154	1685196	42.328	ng	100
55) Dibenzofuran	14.71	168	1568423	24.428	ng	99
58) Fluorene	15.36	166	946166	17.878	ng	100
71) Phenanthrene	17.10	178	777746	9.502	ng	99
73) Carbazole	17.48	167	340411	4.501	ng	99

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

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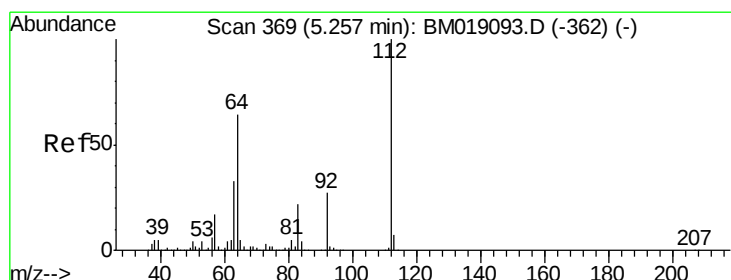
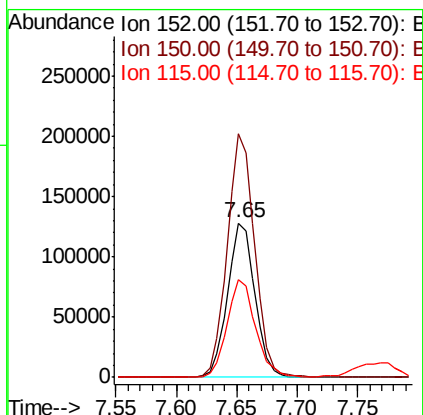
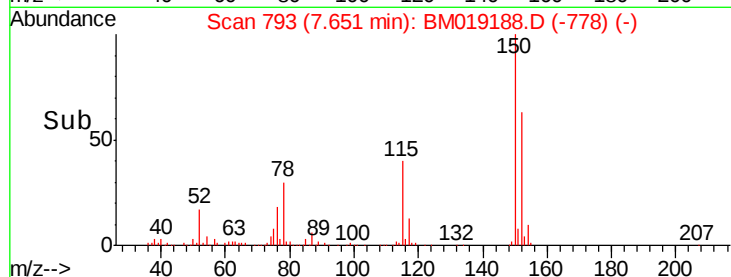
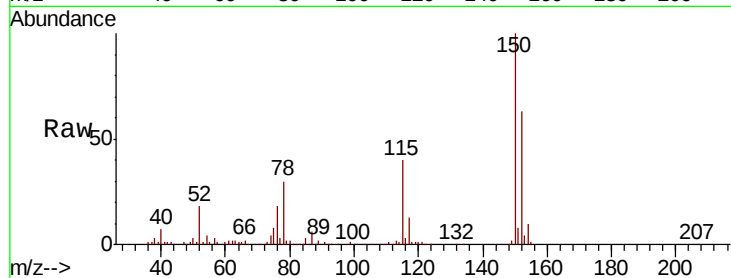


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 793
Delta R.T. -0.01 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Instrument :
BNA_M
ClientSampled :
MW-4ADL

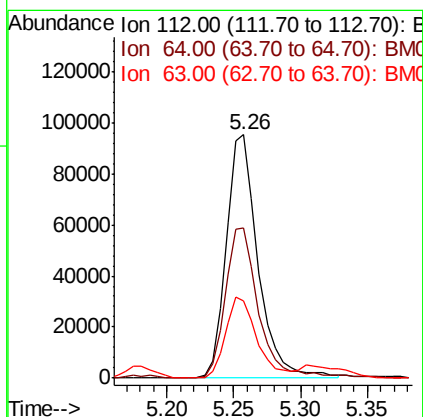
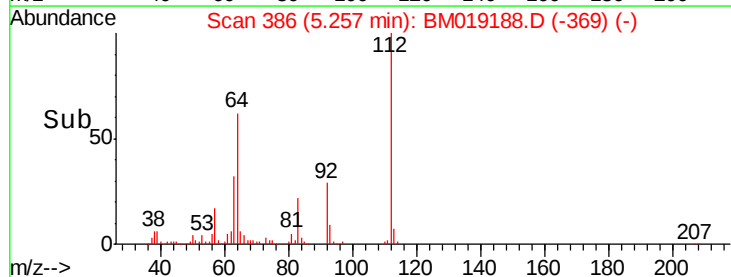
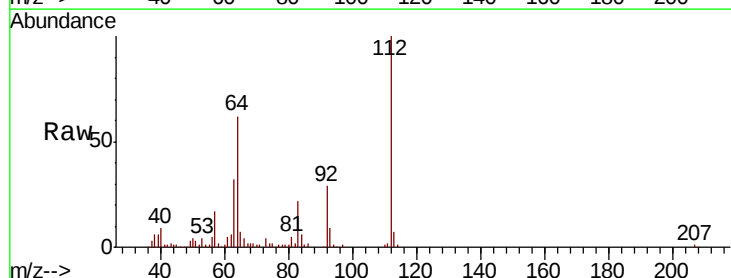
Tgt Ion:152 Resp: 201926
Ion Ratio Lower Upper
152 100
150 157.8 125.3 187.9
115 63.2 49.4 74.0

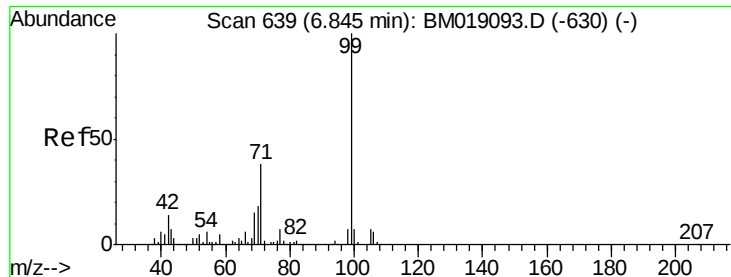


#5

2-Fluorophenol
Concen: 12.728 ng
RT: 5.26 min Scan# 386
Delta R.T. 0.00 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Tgt Ion:112 Resp: 158700
Ion Ratio Lower Upper
112 100
64 61.8 51.4 77.0
63 31.9 26.6 40.0





#7

Phenol-d6

Concen: 8.065 ng

RT: 6.84 min Scan# 655

Delta R.T. -0.01 min

Lab File: BM019188.D

Acq: 15 Mar 2019 16:13

Instrument :

BNA_M

ClientSampled :

MW-4ADL

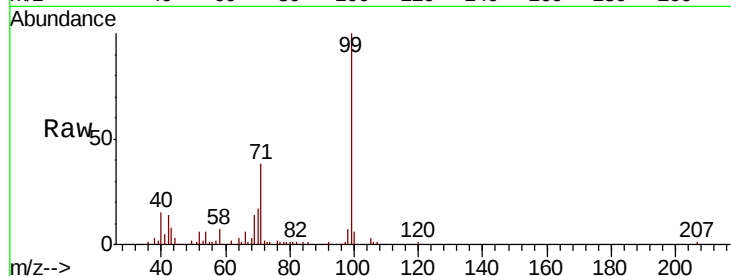
Tgt Ion: 99 Resp: 147092

Ion Ratio Lower Upper

99 100

42 14.3 10.9 16.3

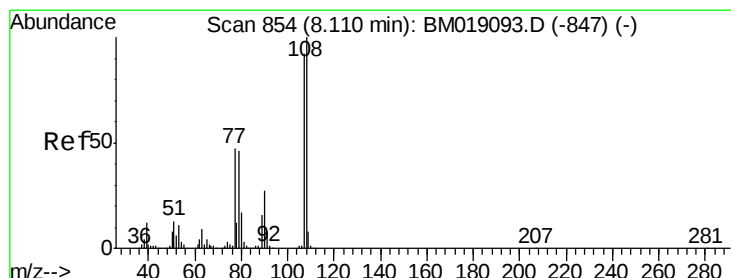
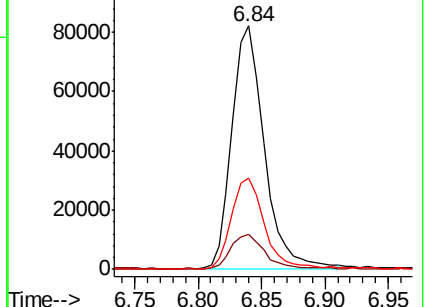
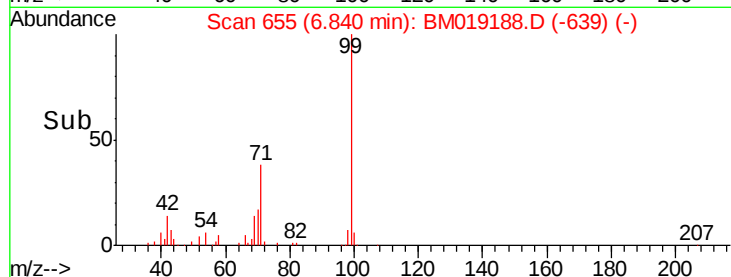
71 37.5 30.3 45.5



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) (-)



#17

2-Methylphenol

Concen: 2.855 ng

RT: 8.10 min Scan# 870

Delta R.T. -0.01 min

Lab File: BM019188.D

Acq: 15 Mar 2019 16:13

Tgt Ion: 107 Resp: 36563

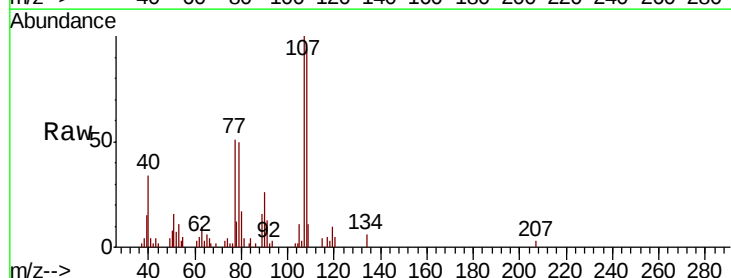
Ion Ratio Lower Upper

107 100

108 94.2 87.4 131.2

77 50.8 41.6 62.4

79 50.3 40.6 60.8

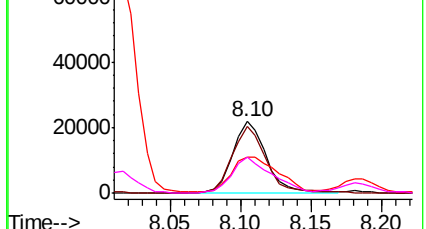
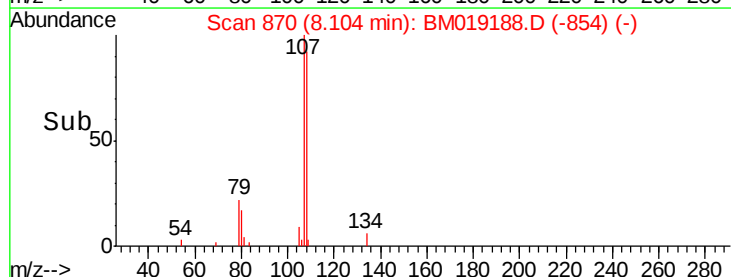


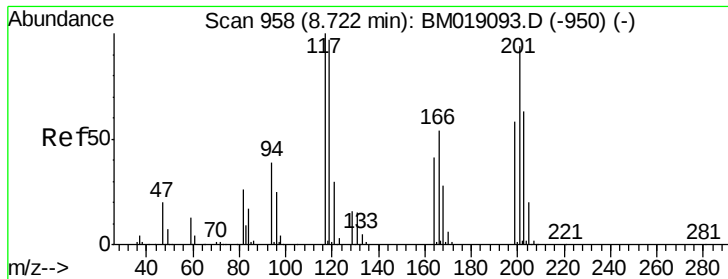
Abundance Ion 107.00 (106.70 to 107.70): BM019093.D (-847) (-)

Ion 108.00 (107.70 to 108.70): BM019093.D (-847) (-)

Ion 77.00 (76.70 to 77.70): BM019093.D (-847) (-)

Ion 79.00 (78.70 to 79.70): BM019093.D (-847) (-)





#18

Hexachloroethane

Concen: 12.061 ng

RT: 8.74 min Scan# 978

Delta R.T. 0.02 min

Lab File: BM019188.D

Acq: 15 Mar 2019 16:13

Instrument :

BNA_M

ClientSampleId :

MW-4ADL

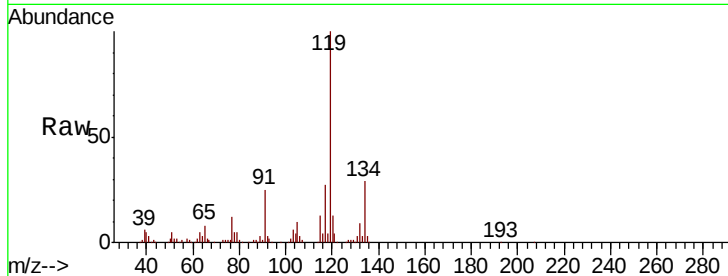
Tgt Ion:117 Resp: 72449

Ion Ratio Lower Upper

117 100

119 373.2 77.4 116.2#

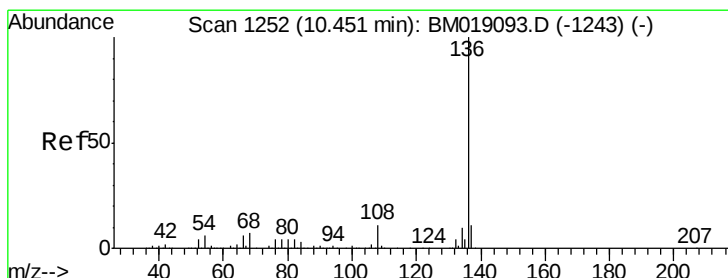
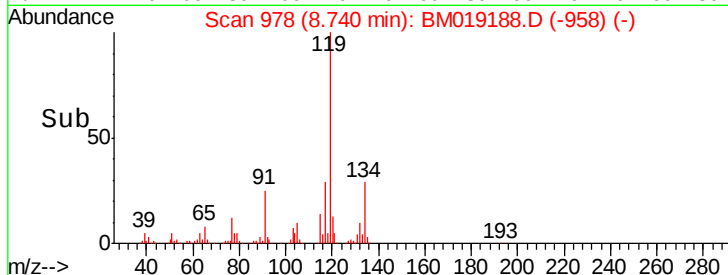
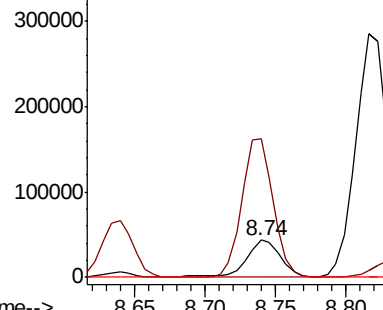
201 0.0 75.2 112.8#



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.44 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BM019188.D

Acq: 15 Mar 2019 16:13

Tgt Ion:136 Resp: 996205

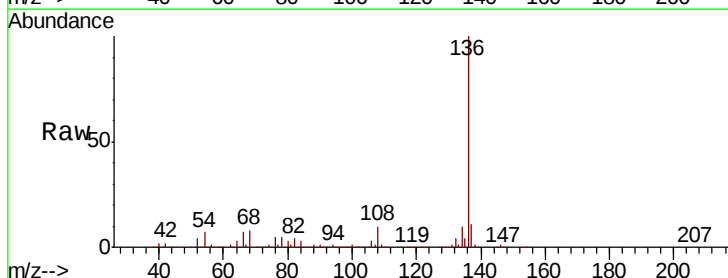
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 6.9 5.2 7.8

68 7.7 5.8 8.8

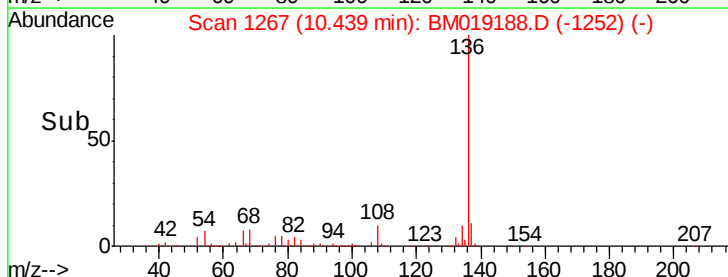
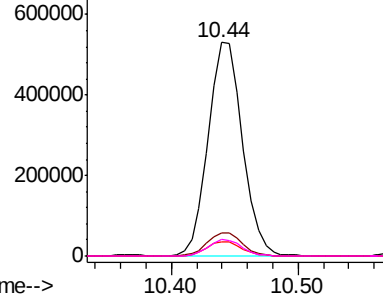


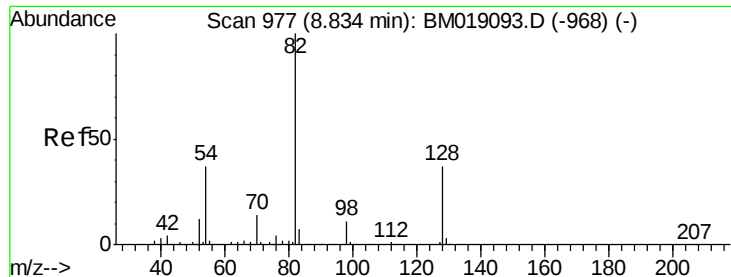
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0

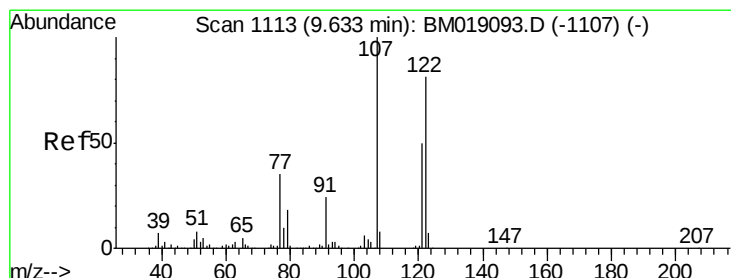
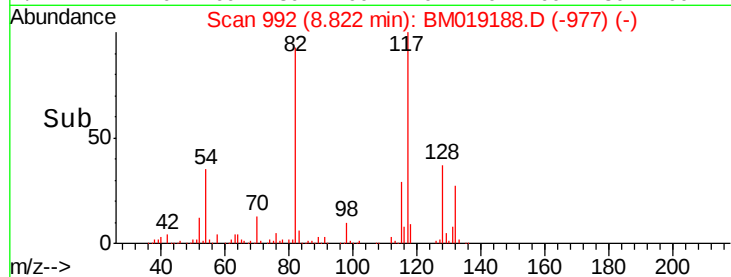
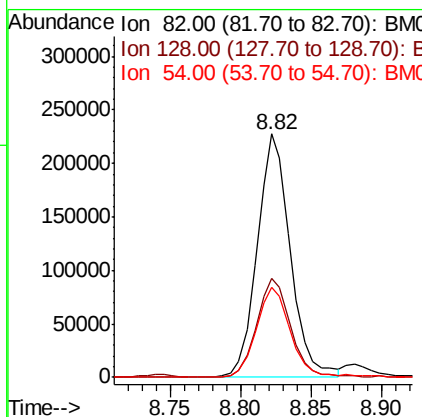
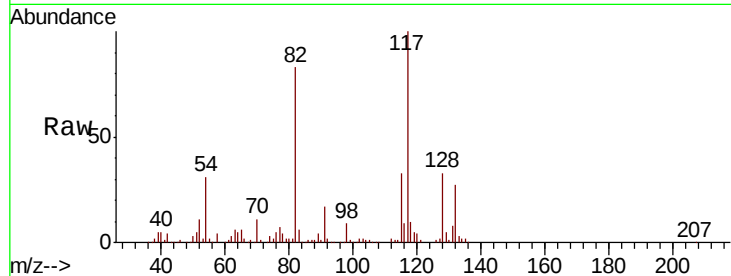




#23
 Nitrobenzene-d5
 Concen: 17.805 ng
 RT: 8.82 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BM019188.D
 Acq: 15 Mar 2019 16:13

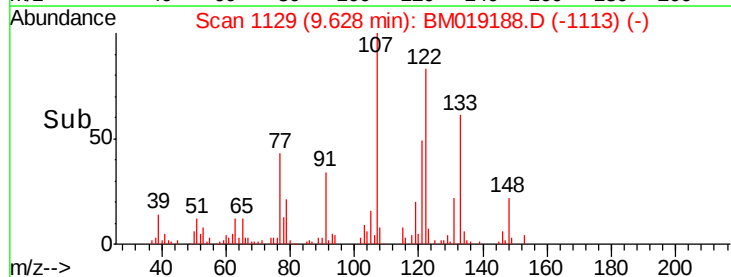
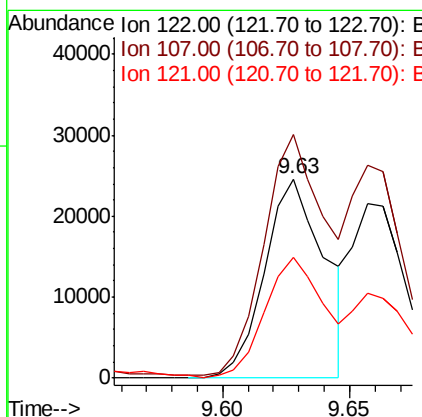
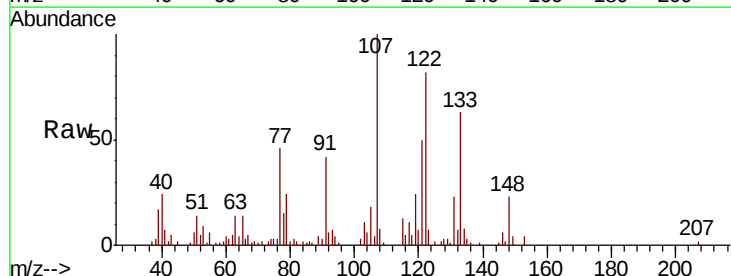
Instrument :
 BNA_M
 ClientSampleId :
 MW-4ADL

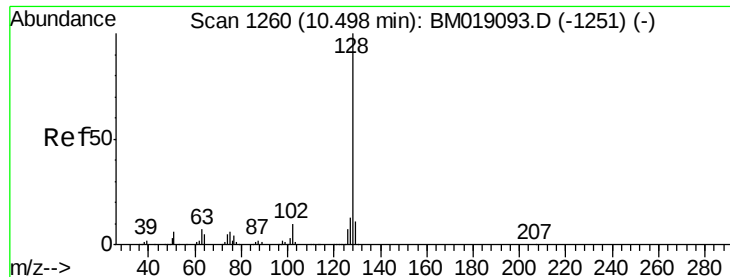
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.5	29.4	44.2
54	37.2	29.9	44.9



#27
 2,4-Dimethylphenol
 Concen: 2.995 ng
 RT: 9.63 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BM019188.D
 Acq: 15 Mar 2019 16:13

Tgt Ion	Ratio	Lower	Upper
122	100		
107	122.4	98.2	147.4
121	60.8	48.8	73.2

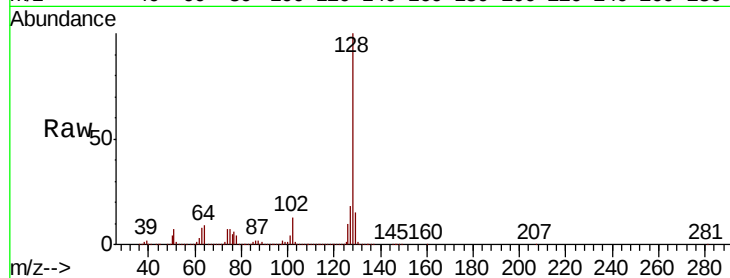




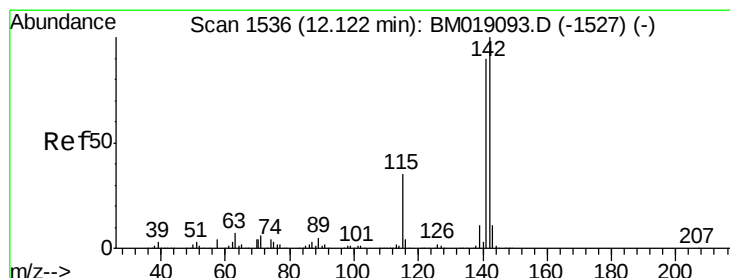
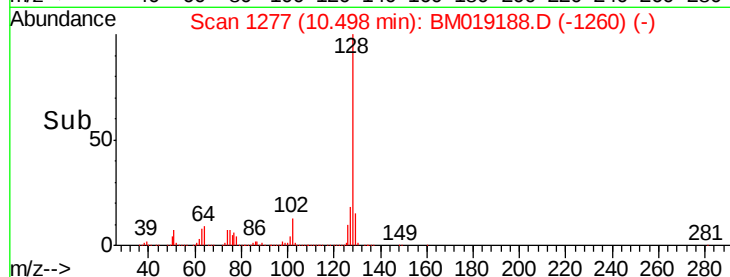
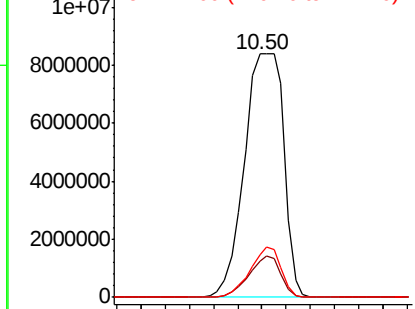
#31
Naphthalene
Concen: 361.979 ng
RT: 10.50 min Scan# 1277
Delta R.T. 0.00 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Instrument :
BNA_M
ClientSampled :
MW-4ADL

Tgt Ion:128 Resp:19006557
Ion Ratio Lower Upper
128 100
129 14.9 8.6 13.0#
127 17.7 10.4 15.6#

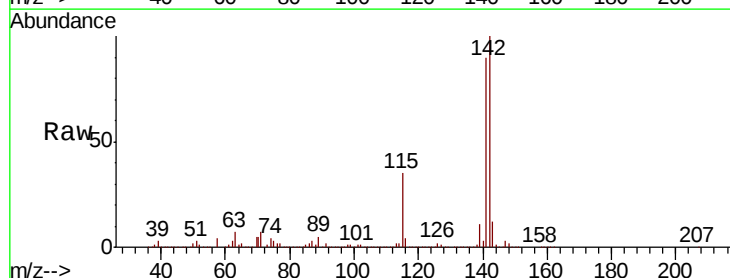


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

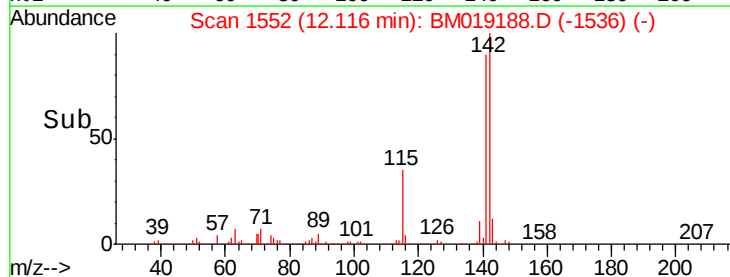
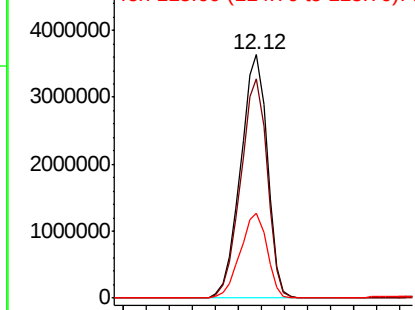


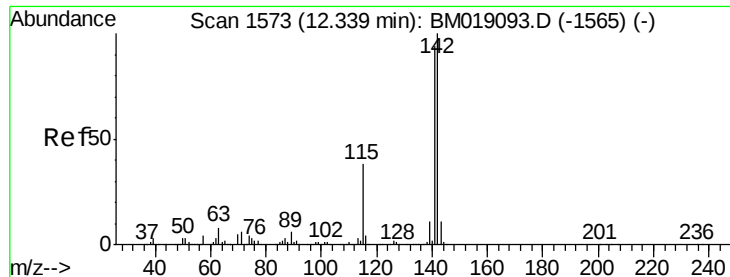
#37
2-Methylnaphthalene
Concen: 153.011 ng
RT: 12.12 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Tgt Ion:142 Resp: 5838257
Ion Ratio Lower Upper
142 100
141 90.2 72.3 108.5
115 34.9 27.8 41.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

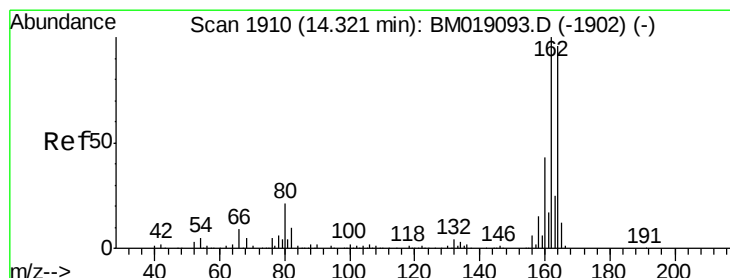
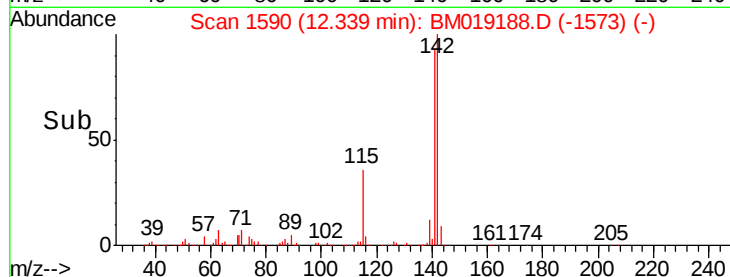
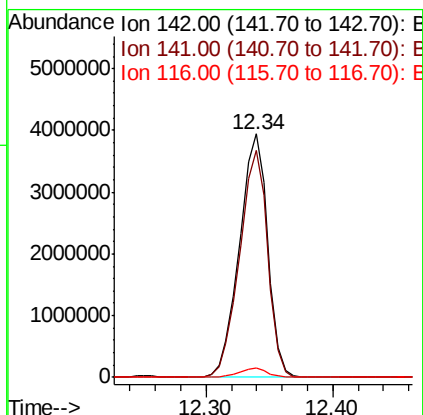
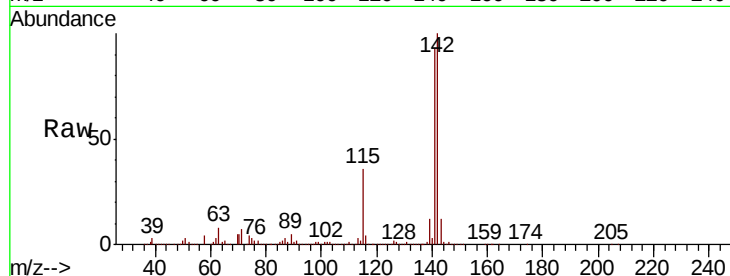




#38
 1-Methylnaphthalene
 Concen: 161.247 ng
 RT: 12.34 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: BM019188.D
 Acq: 15 Mar 2019 16:13

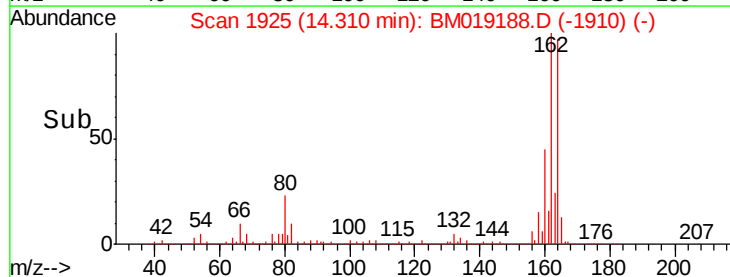
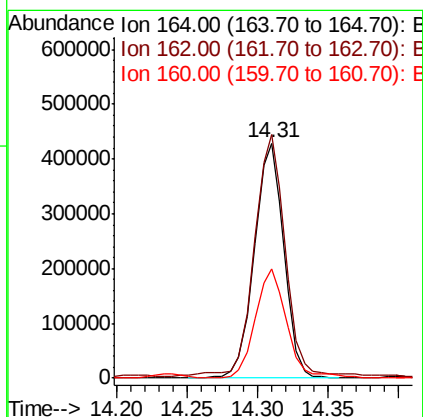
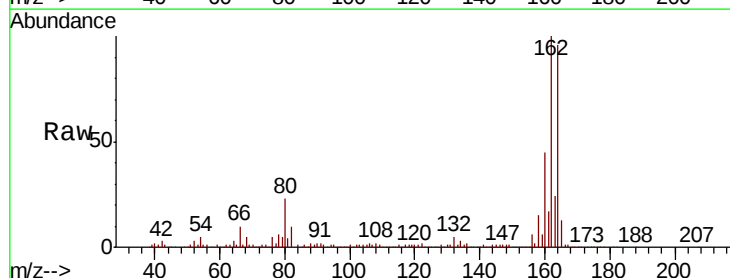
Instrument :
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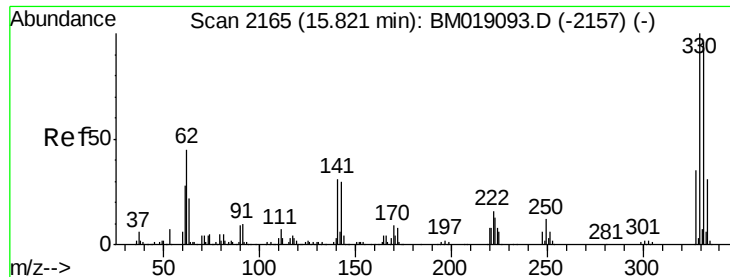
Tgt Ion:142 Resp: 6064336
 Ion Ratio Lower Upper
 142 100
 141 93.2 74.9 112.3
 116 3.9 3.2 4.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.31 min Scan# 1925
 Delta R.T. -0.01 min
 Lab File: BM019188.D
 Acq: 15 Mar 2019 16:13

Tgt Ion:164 Resp: 628616
 Ion Ratio Lower Upper
 164 100
 162 103.7 83.5 125.3
 160 46.5 36.3 54.5

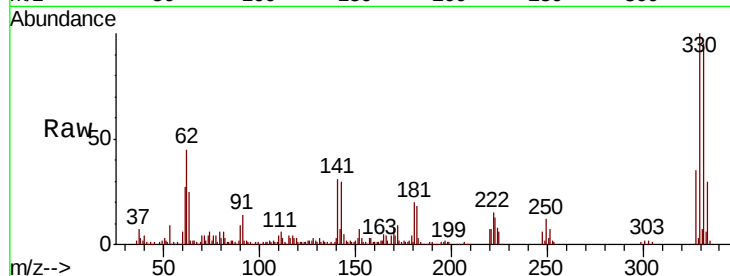




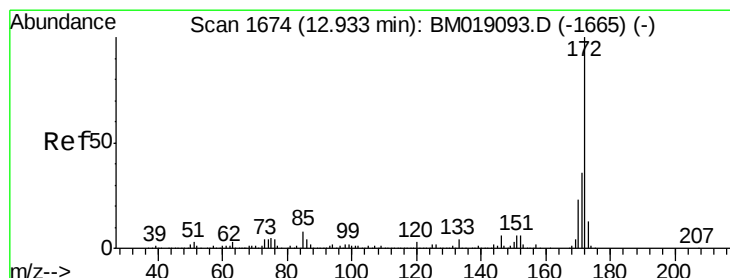
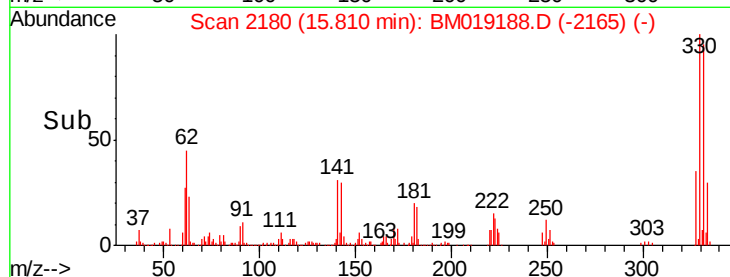
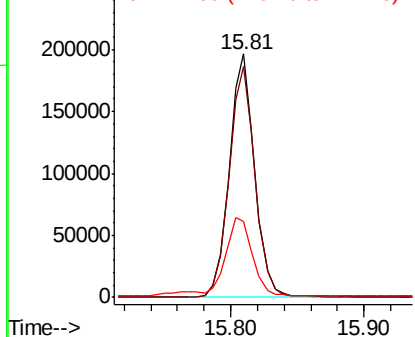
#42
 2,4,6-Tribromophenol
 Concen: 28.114 ng
 RT: 15.81 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: BM019188.D
 Acq: 15 Mar 2019 16:13

Instrument :
 BNA_M
 ClientSampleId :
 MW-4ADL

Tgt Ion: 330 Resp: 260934
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.8 115.2
 141 33.4 27.0 40.4

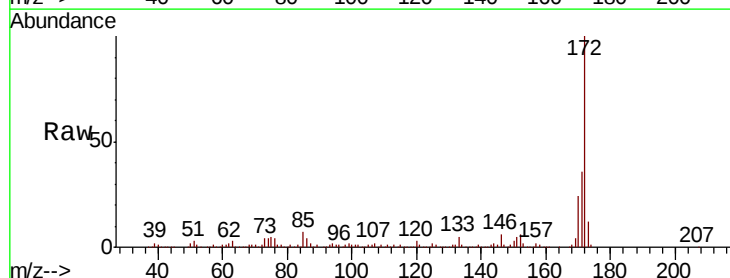


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

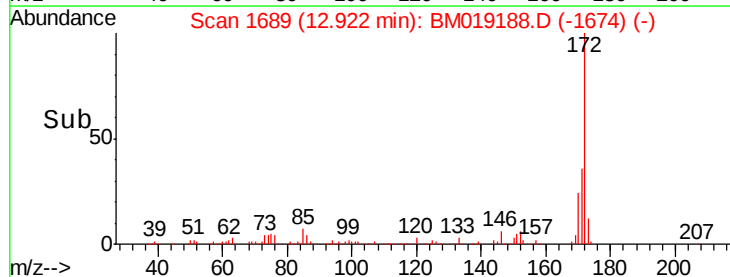
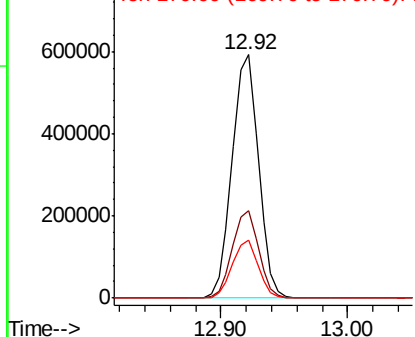


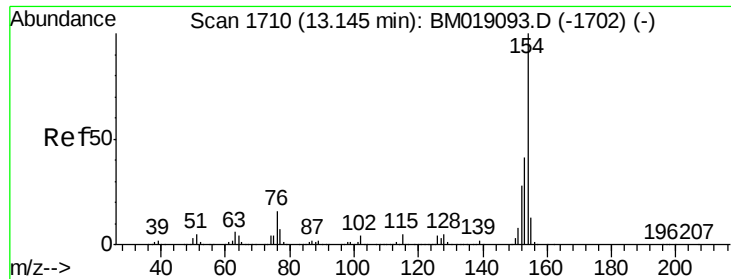
#45
 2-Fluorobiphenyl
 Concen: 17.651 ng
 RT: 12.92 min Scan# 1689
 Delta R.T. -0.01 min
 Lab File: BM019188.D
 Acq: 15 Mar 2019 16:13

Tgt Ion: 172 Resp: 853011
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 42.8
 170 23.6 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

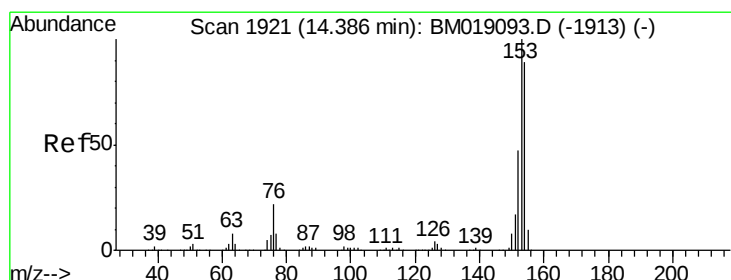
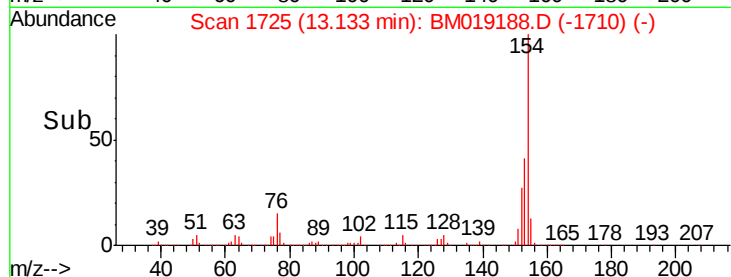
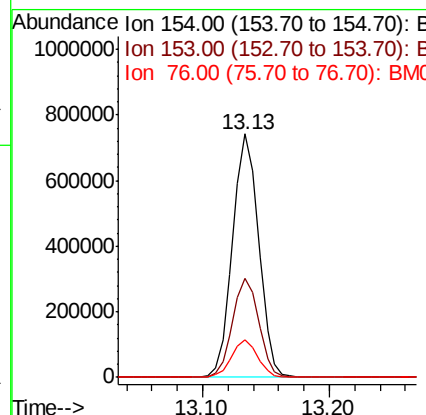
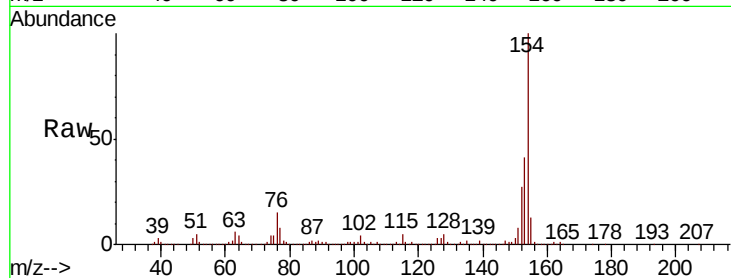




#46
1,1'-Biphenyl
Concen: 19.307 ng
RT: 13.13 min Scan# 1725
Delta R.T. -0.01 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

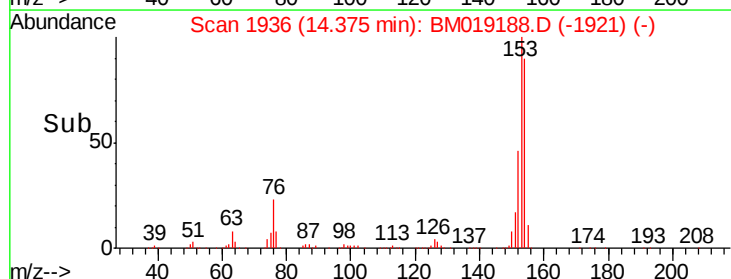
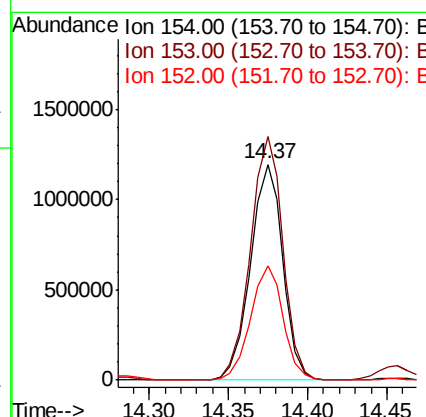
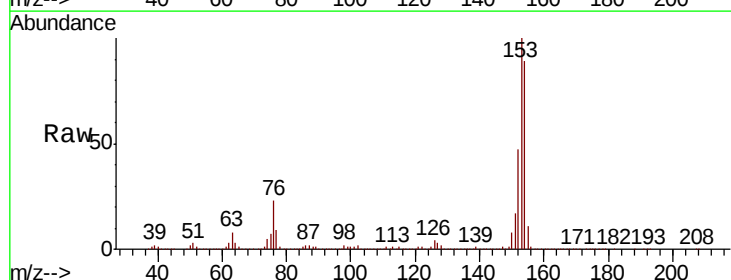
Instrument :
BNA_M
ClientSampleID :
MW-4ADL

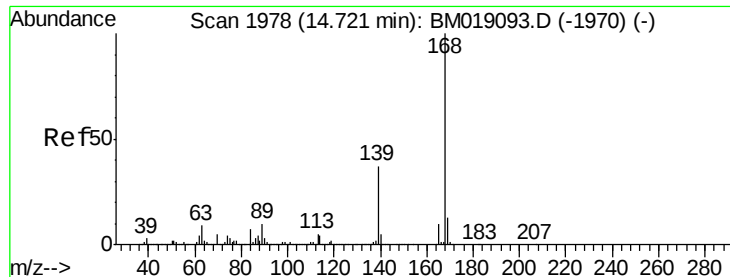
Tgt Ion:154 Resp: 1059886
Ion Ratio Lower Upper
154 100
153 40.8 21.5 61.5
76 15.4 0.0 35.8



#52
Acenaphthene
Concen: 42.328 ng
RT: 14.37 min Scan# 1936
Delta R.T. -0.01 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Tgt Ion:154 Resp: 1685196
Ion Ratio Lower Upper
154 100
153 112.9 90.1 135.1
152 52.8 42.5 63.7





#55

Dibenzofuran

Concen: 24.428 ng

RT: 14.71 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BM019188.D

Acq: 15 Mar 2019 16:13

Instrument :

BNA_M

ClientSampleId :

MW-4ADL

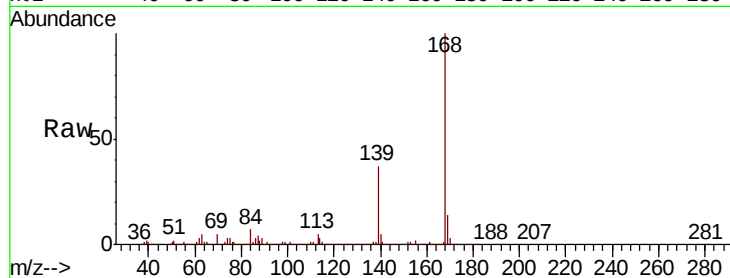
Tgt Ion:168 Resp: 1568423

Ion Ratio Lower Upper

168 100

139 37.3 30.1 45.1

169 13.5 10.6 16.0

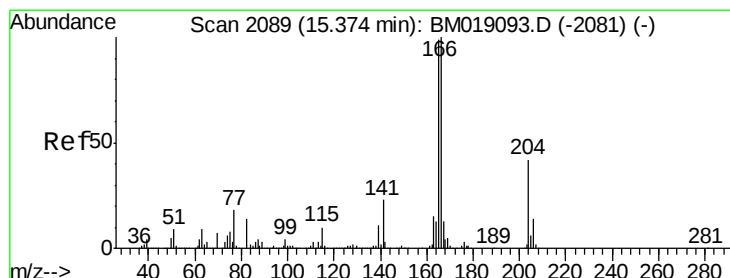
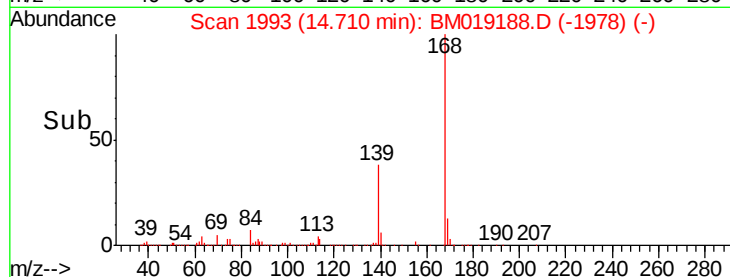
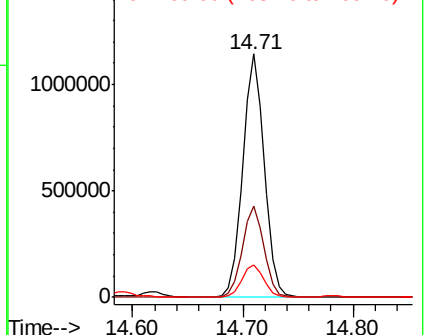


Abundance

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



#58

Fluorene

Concen: 17.878 ng

RT: 15.36 min Scan# 2104

Delta R.T. -0.01 min

Lab File: BM019188.D

Acq: 15 Mar 2019 16:13

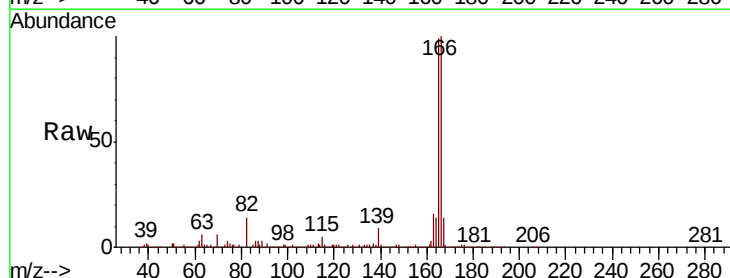
Tgt Ion:166 Resp: 946166

Ion Ratio Lower Upper

166 100

165 98.6 79.0 118.4

167 14.1 10.8 16.2

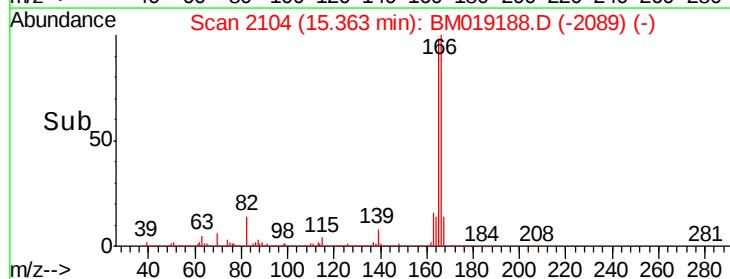
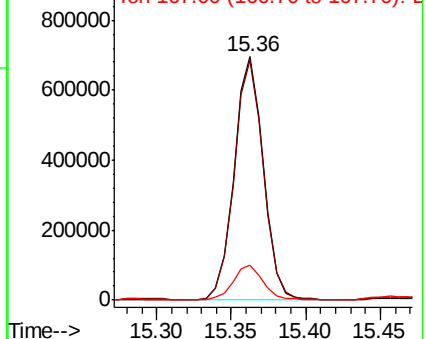


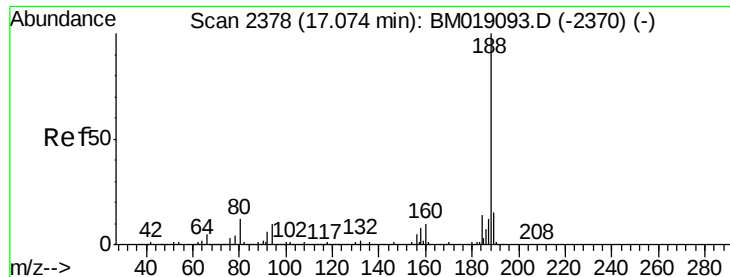
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.06 min Scan# 2393

Delta R.T. -0.01 min

Lab File: BM019188.D

Acq: 15 Mar 2019 16:13

Instrument :

BNA_M

ClientSampleId :

MW-4ADL

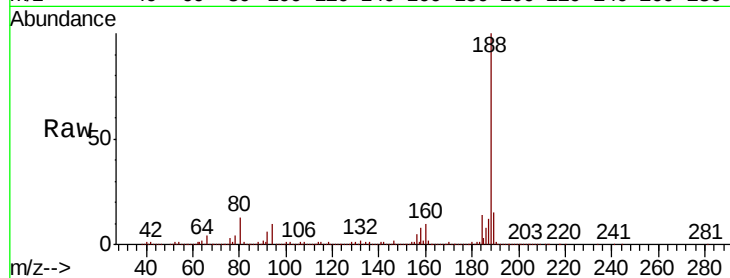
Tgt Ion:188 Resp: 1396464

Ion Ratio Lower Upper

188 100

94 10.2 8.1 12.1

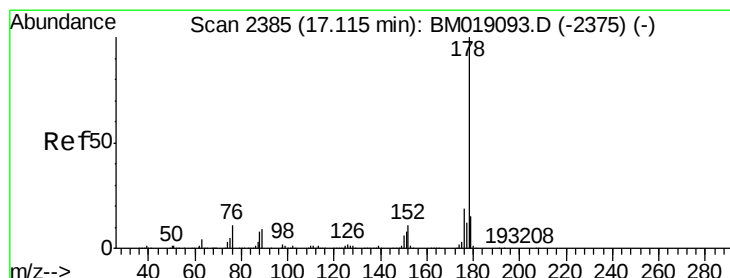
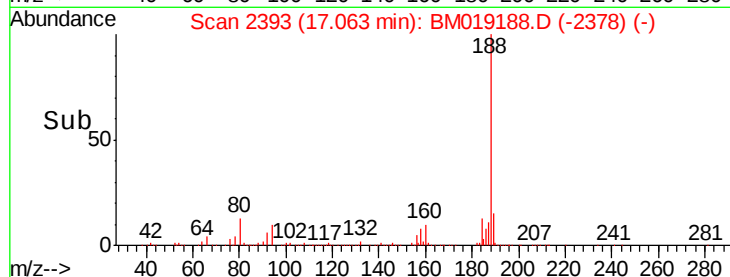
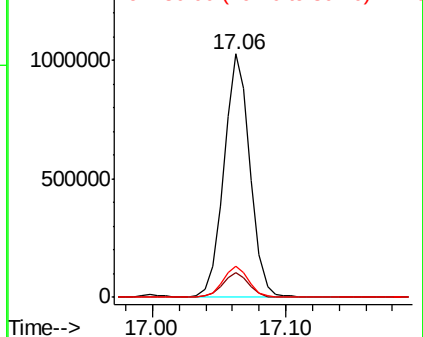
80 12.6 9.7 14.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 9.502 ng

RT: 17.10 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BM019188.D

Acq: 15 Mar 2019 16:13

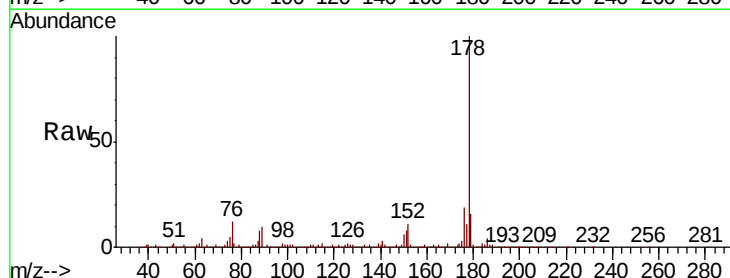
Tgt Ion:178 Resp: 777746

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

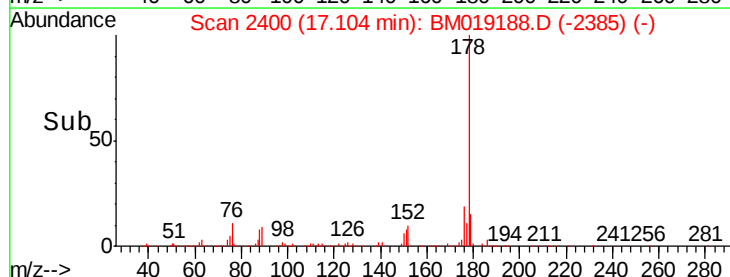
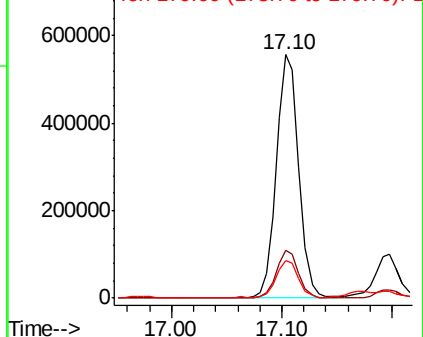
179 15.5 12.2 18.2

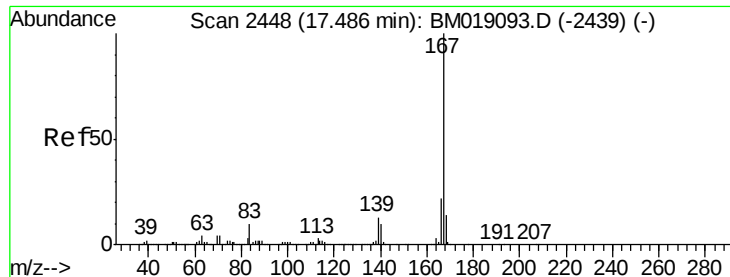


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

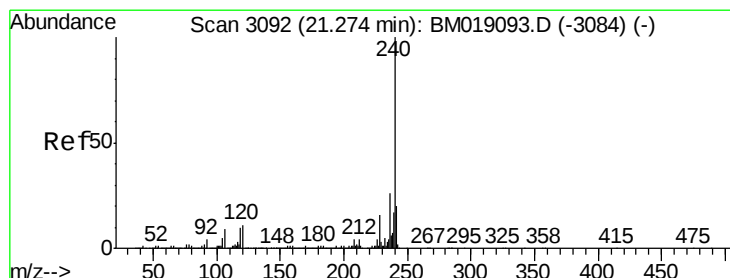
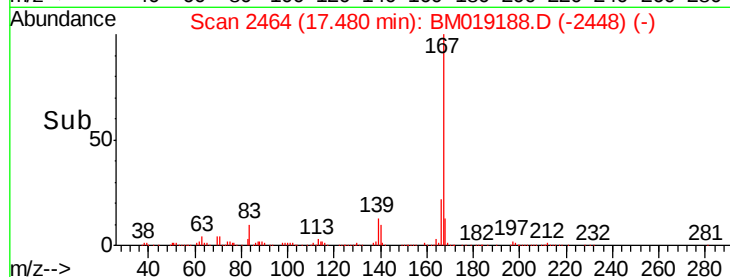
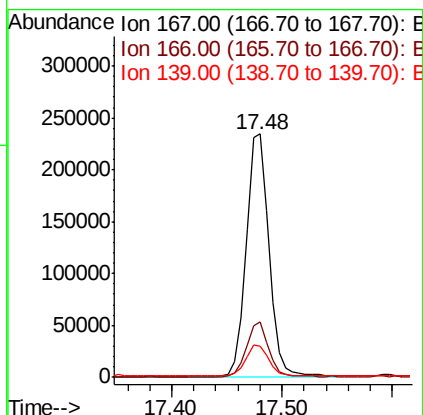
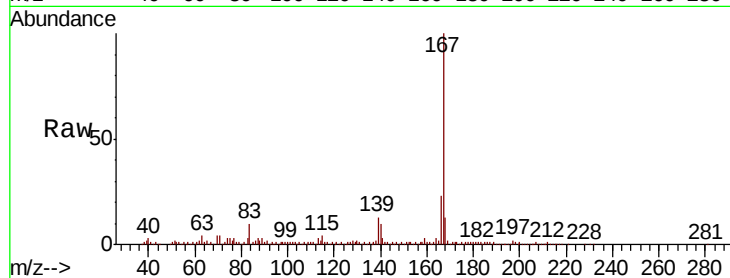




#73
 Carbazole
 Concen: 4.501 ng
 RT: 17.48 min Scan# 2464
 Delta R.T. -0.01 min
 Lab File: BM019188.D
 Acq: 15 Mar 2019 16:13

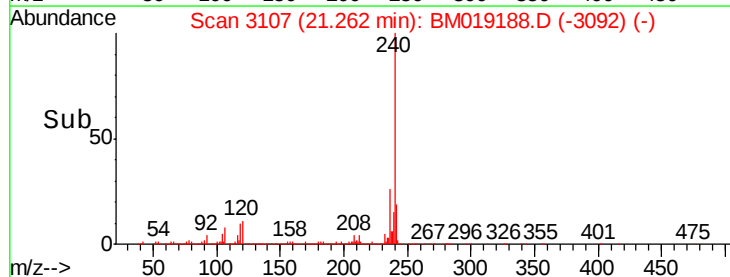
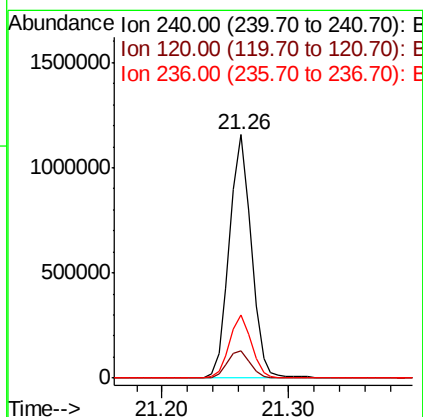
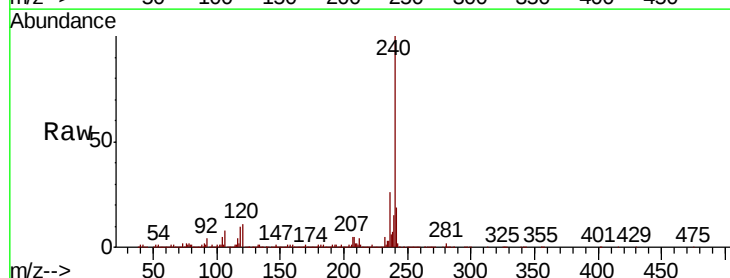
Instrument :
 BNA_M
 ClientSampleId :
 MW-4ADL

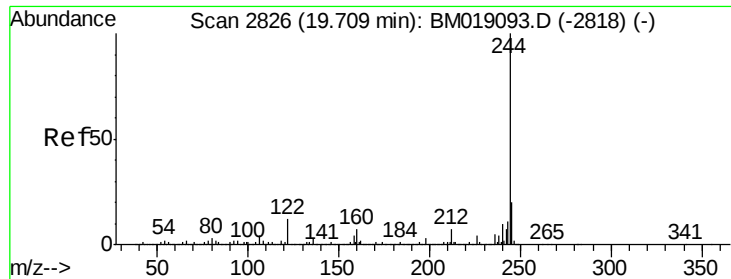
Tgt Ion:167 Resp: 340411
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.8 26.8
 139 13.0 10.5 15.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.26 min Scan# 3107
 Delta R.T. -0.01 min
 Lab File: BM019188.D
 Acq: 15 Mar 2019 16:13

Tgt Ion:240 Resp: 1386297
 Ion Ratio Lower Upper
 240 100
 120 11.2 8.9 13.3
 236 25.7 21.0 31.4





#79

Terphenyl-d14

Concen: 19.019 ng

RT: 19.70 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BM019188.D

Acq: 15 Mar 2019 16:13

Instrument :

BNA_M

ClientSampleId :

MW-4ADL

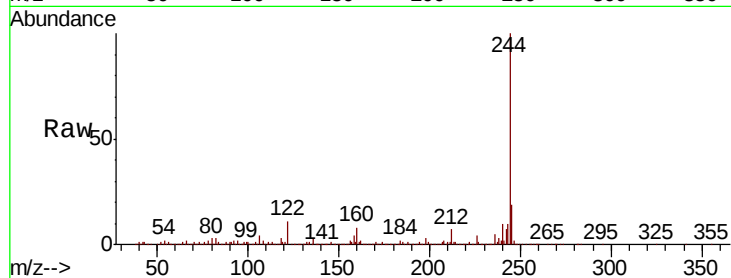
Tgt Ion:244 Resp: 1328145

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

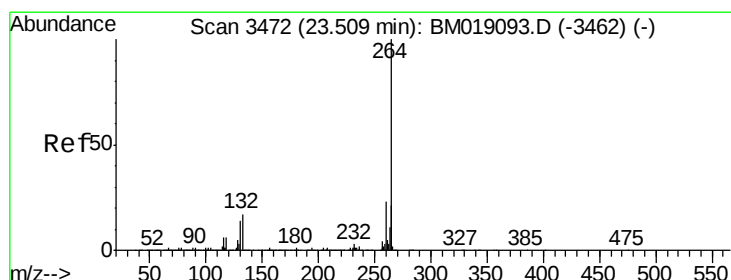
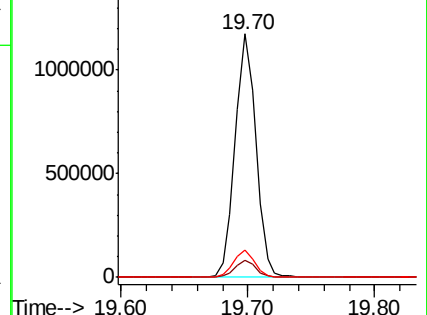
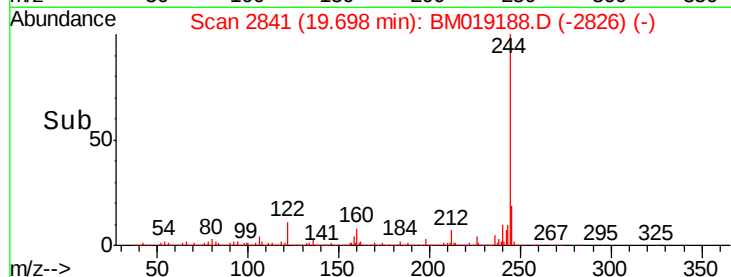
122 11.1 9.4 14.2



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# 3487

Delta R.T. -0.01 min

Lab File: BM019188.D

Acq: 15 Mar 2019 16:13

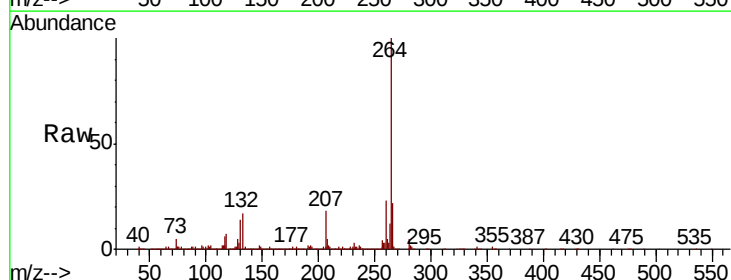
Tgt Ion:264 Resp: 1208571

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 22.0 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

