

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM031919\
 Data File : BM019236.D
 Acq On : 19 Mar 2019 14:40
 Operator : JU/SJ
 Sample : K1970-01DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P-1-N.WALLDL

Quant Time: Mar 19 15:42:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM031119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 19 12:12:53 2019
 Response via : Initial Calibration

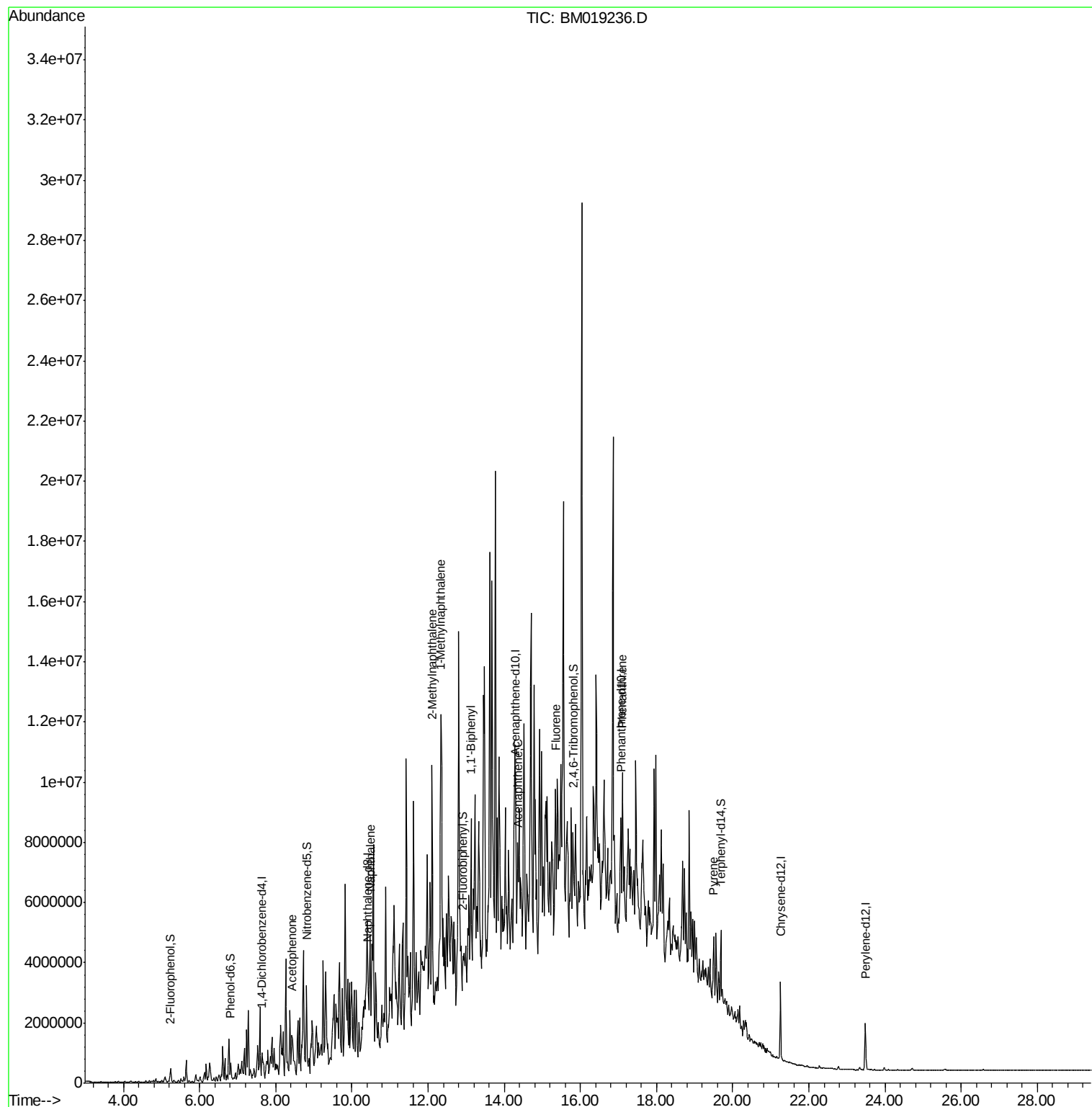
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	217182	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	979997	20.00	ng	0.00
39) Acenaphthene-d10	14.30	164	705046	20.00	ng	0.00
64) Phenanthrene-d10	17.06	188	1389344	20.00	ng	0.01
76) Chrysene-d12	21.25	240	1184242	20.00	ng	0.00
87) Perylene-d12	23.48	264	1108116	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	201337	15.01	ng	0.00
7) Phenol-d6	6.82	99	338089	17.24	ng	0.00
23) Nitrobenzene-d5	8.81	82	234573	11.31	ng	0.00
42) 2,4,6-Tribromophenol	15.80	330	202593	19.46	ng	0.00
45) 2-Fluorobiphenyl	12.91	172	684558	12.63	ng	0.00
79) Terphenyl-d14	19.69	244	985212	16.52	ng	0.00
Target Compounds						
22) Acetophenone	8.42	105	739439	27.303	ng	Qvalue # 61
31) Naphthalene	10.47	128	793660	15.365	ng	# 87
37) 2-Methylnaphthalene	12.10	142	3979698	106.026	ng	100
38) 1-Methylnaphthalene	12.33	142	3827985	103.467	ng	100
46) 1,1'-Biphenyl	13.13	154	1230729	19.988	ng	100
52) Acenaphthene	14.37	154	330818	7.409	ng	92
58) Fluorene	15.36	166	771192	12.992	ng	# 86
71) Phenanthrene	17.10	178	2645080	32.481	ng	# 96
78) Pyrene	19.49	202	555526	7.414	ng	# 86

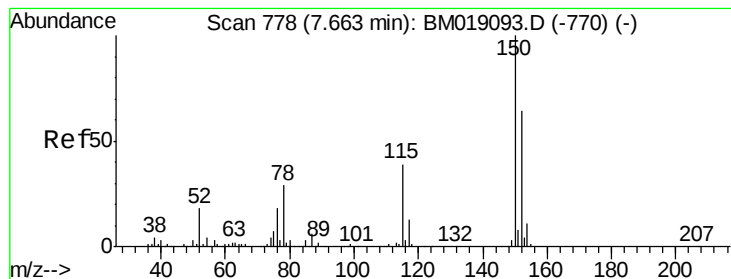
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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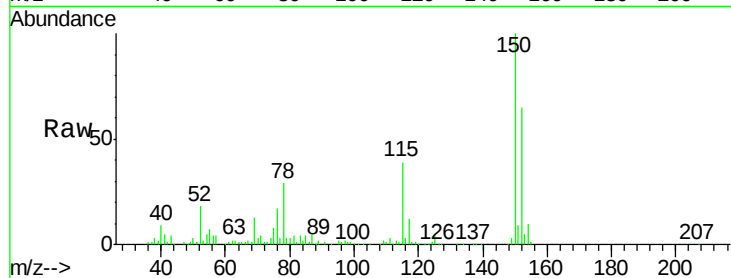


#1

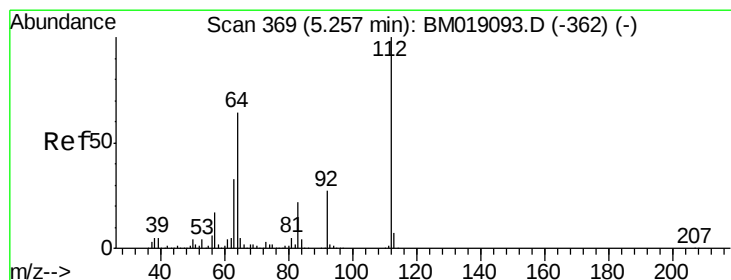
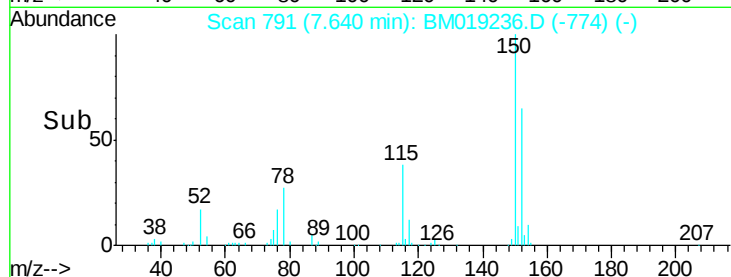
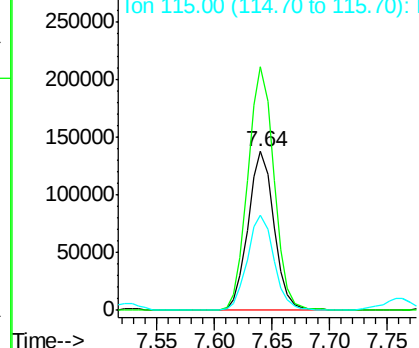
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.64 min Scan# 791
Delta R.T. 0.00 min
Lab File: BM019236.D
Acq: 19 Mar 2019 14:40

Instrument :
BNA_M
ClientSampleId :
P-1-N.WALLDL

Tgt Ion:152 Resp: 217182
Ion Ratio Lower Upper
152 100
150 153.3 124.6 187.0
115 60.1 48.2 72.4



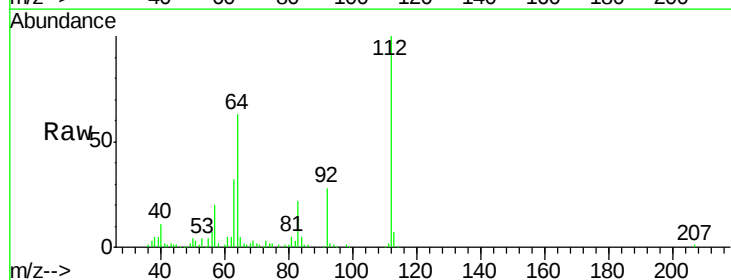
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



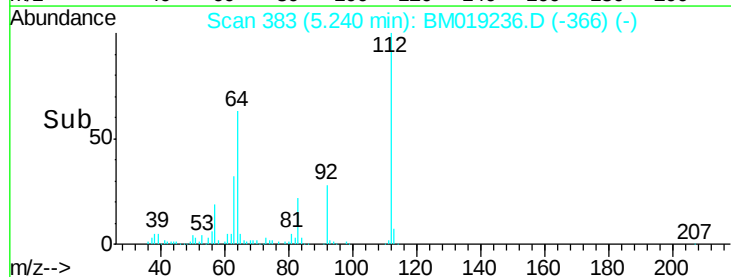
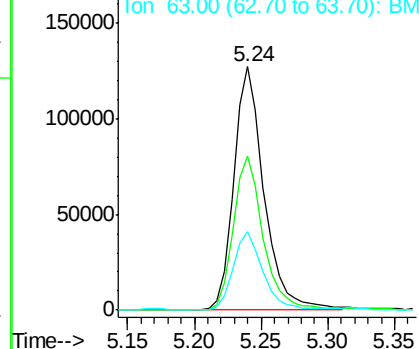
#5

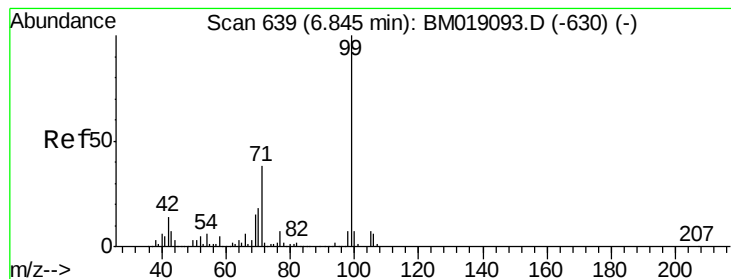
2-Fluorophenol
Concen: 15.013 ng
RT: 5.24 min Scan# 383
Delta R.T. 0.00 min
Lab File: BM019236.D
Acq: 19 Mar 2019 14:40

Tgt Ion:112 Resp: 201337
Ion Ratio Lower Upper
112 100
64 63.0 49.0 73.6
63 32.1 24.7 37.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 17.236 ng

RT: 6.82 min Scan# 652

Delta R.T. 0.00 min

Lab File: BM019236.D

Acq: 19 Mar 2019 14:40

Instrument :

BNA_M

ClientSampled :

P-1-N.WALLDL

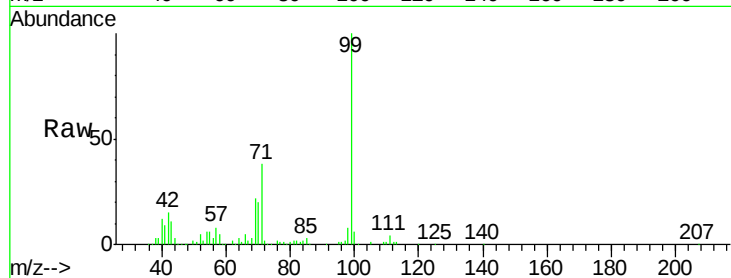
Tgt Ion: 99 Resp: 338089

Ion Ratio Lower Upper

99 100

42 14.6 10.8 16.2

71 38.0 30.1 45.1

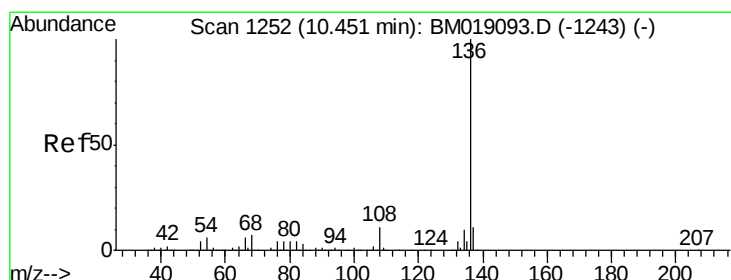
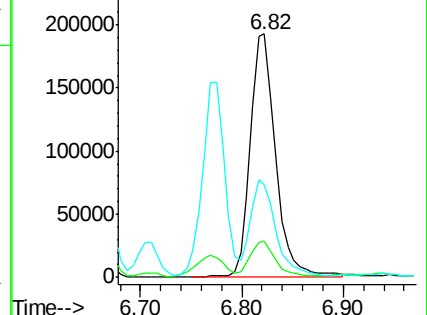
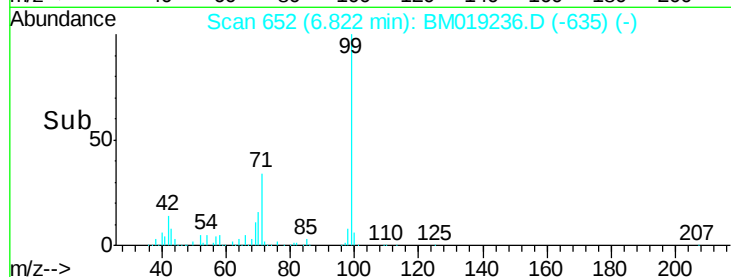


Abundance

Ion 99.00 (98.70 to 99.70): BM019236.D (-635) (-)

Ion 42.00 (41.70 to 42.70): BM019236.D (-635) (-)

Ion 71.00 (70.70 to 71.70): BM019236.D (-635) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1265

Delta R.T. 0.01 min

Lab File: BM019236.D

Acq: 19 Mar 2019 14:40

Tgt Ion: 136 Resp: 979997

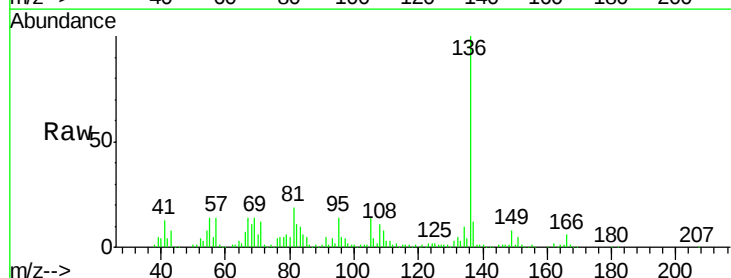
Ion Ratio Lower Upper

136 100

137 11.7 9.0 13.4

54 8.1 5.2 7.8#

68 10.6 6.1 9.1#



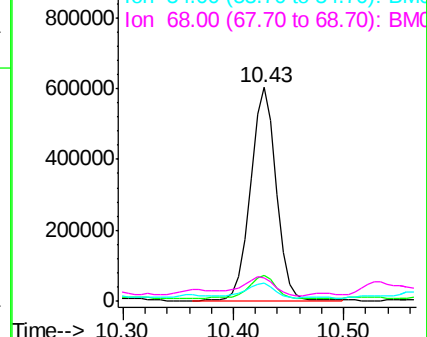
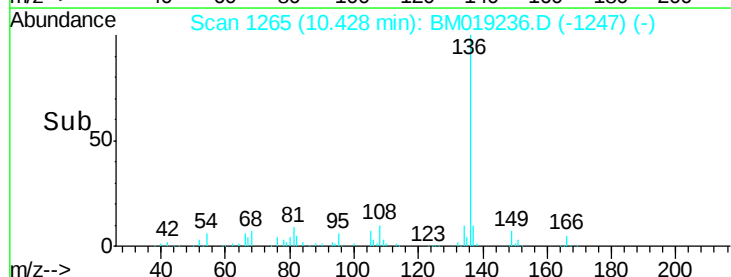
Abundance

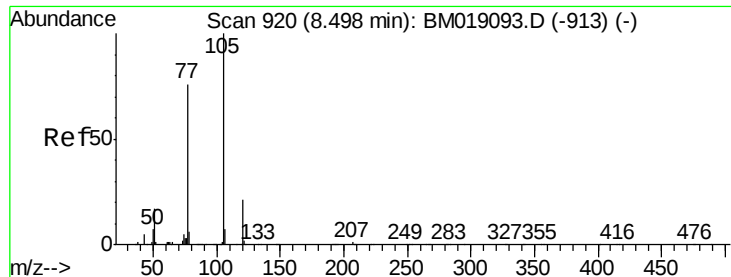
Ion 136.00 (135.70 to 136.70): BM019236.D (-1247) (-)

Ion 137.00 (136.70 to 137.70): BM019236.D (-1247) (-)

Ion 54.00 (53.70 to 54.70): BM019236.D (-1247) (-)

Ion 68.00 (67.70 to 68.70): BM019236.D (-1247) (-)





#22

Acetophenone

Concen: 27.303 ng

RT: 8.42 min Scan# 924

Delta R.T. -0.05 min

Lab File: BM019236.D

Acq: 19 Mar 2019 14:40

Instrument :

BNA_M

ClientSampleId :

P-1-N.WALLDL

Tgt Ion: 105 Resp: 739439

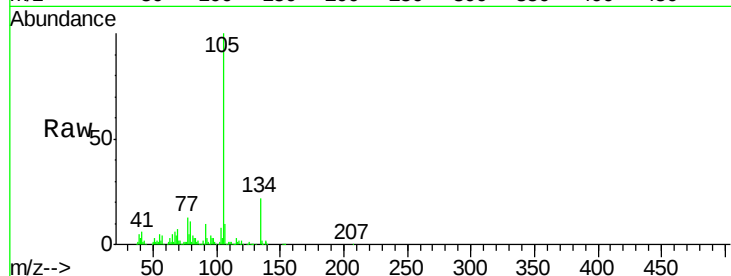
Ion Ratio Lower Upper

105 100

71 2.1 1.4 2.2

51 3.3 15.8 23.8#

120 0.2 16.8 25.2#

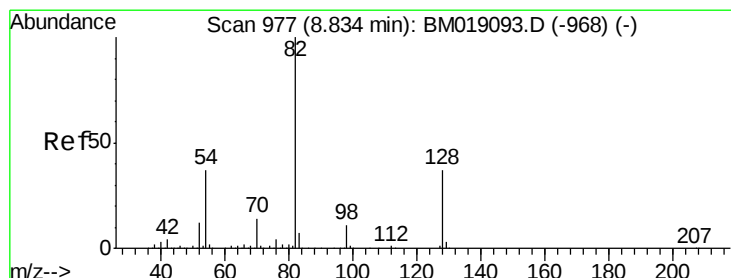
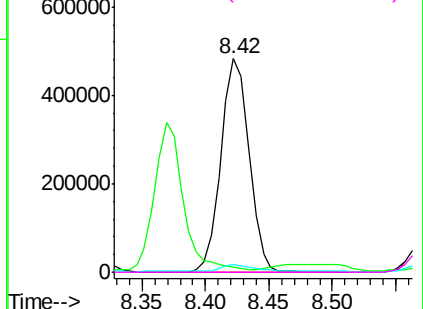
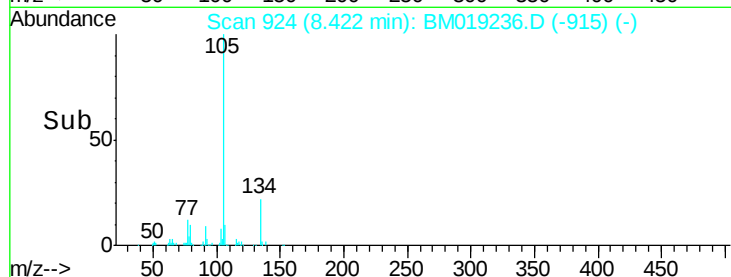


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM0

Ion 51.00 (50.70 to 51.70): BM0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 11.315 ng

RT: 8.81 min Scan# 990

Delta R.T. 0.00 min

Lab File: BM019236.D

Acq: 19 Mar 2019 14:40

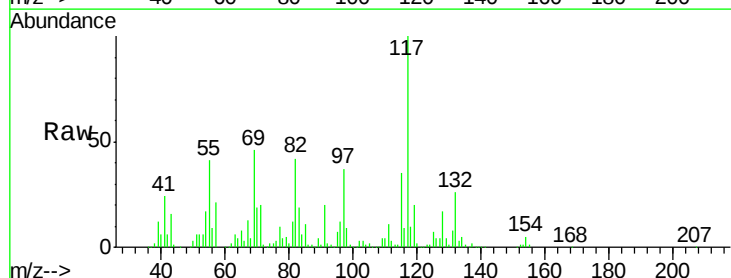
Tgt Ion: 82 Resp: 234573

Ion Ratio Lower Upper

82 100

128 40.8 30.2 45.4

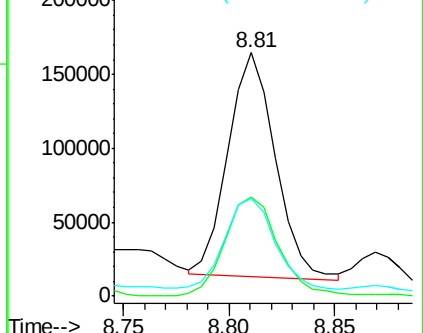
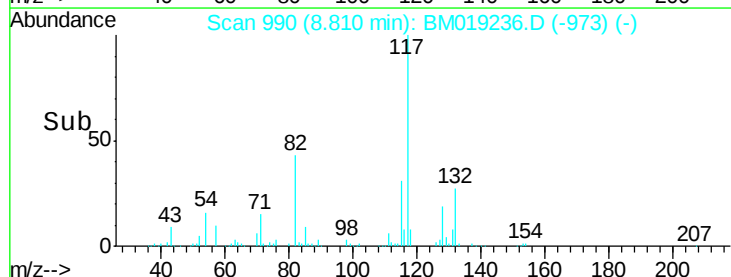
54 40.2 29.0 43.4

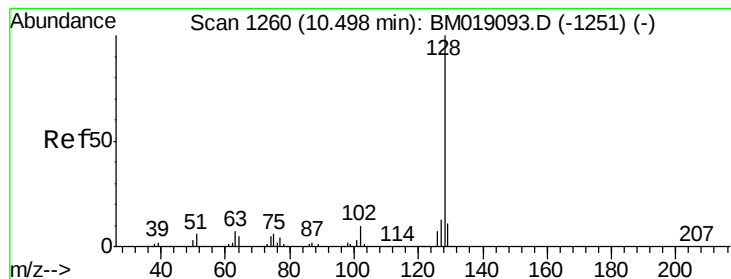


Abundance Ion 82.00 (81.70 to 82.70): BM0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM0





#31

Naphthalene

Concen: 15.365 ng

RT: 10.47 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BM019236.D

Acq: 19 Mar 2019 14:40

Instrument :

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ClientSampleId :

P-1-N.WALLDL

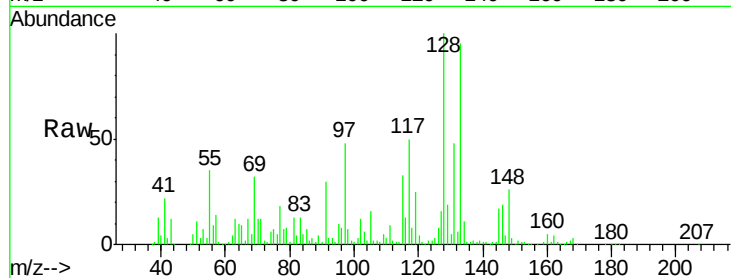
Tgt Ion:128 Resp: 793660

Ion Ratio Lower Upper

128 100

129 18.7 8.6 12.8#

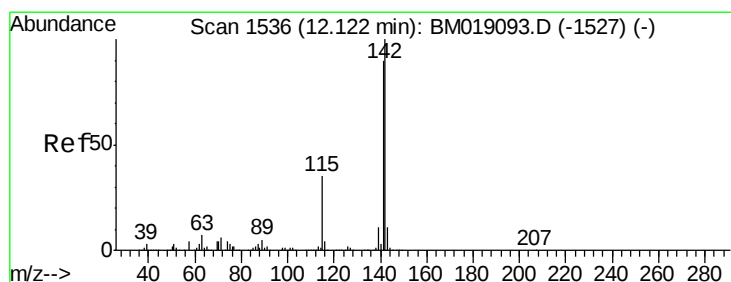
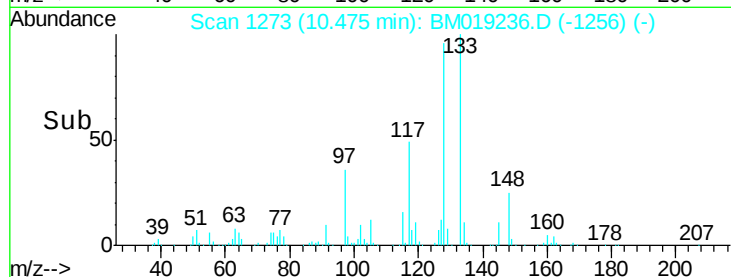
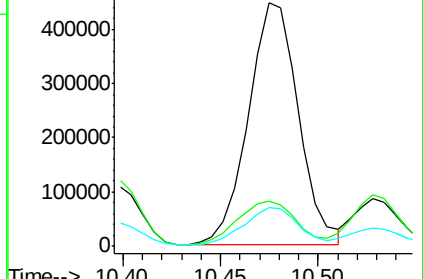
127 15.8 10.6 15.8



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: 106.026 ng

RT: 12.10 min Scan# 1550

Delta R.T. 0.01 min

Lab File: BM019236.D

Acq: 19 Mar 2019 14:40

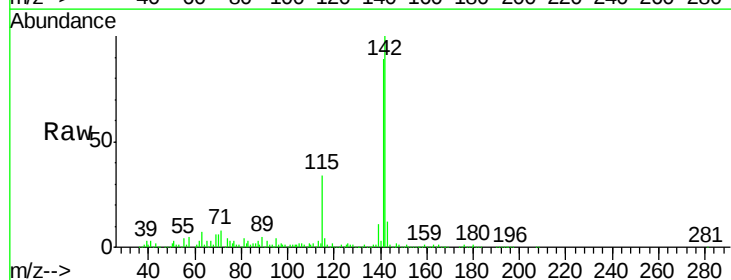
Tgt Ion:142 Resp: 3979698

Ion Ratio Lower Upper

142 100

141 89.4 71.4 107.0

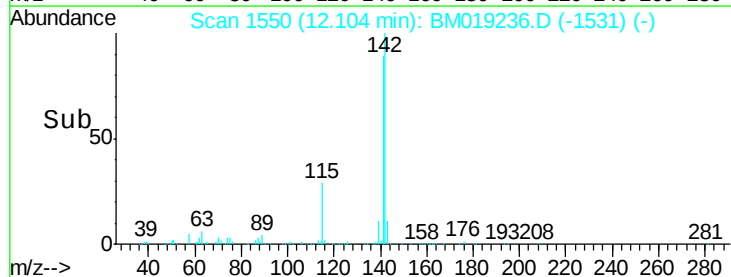
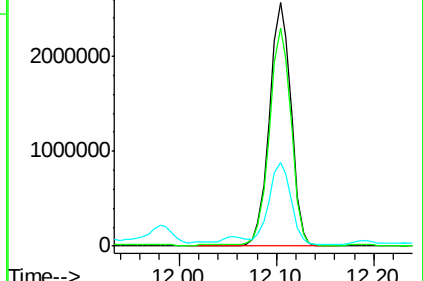
115 34.3 28.0 42.0

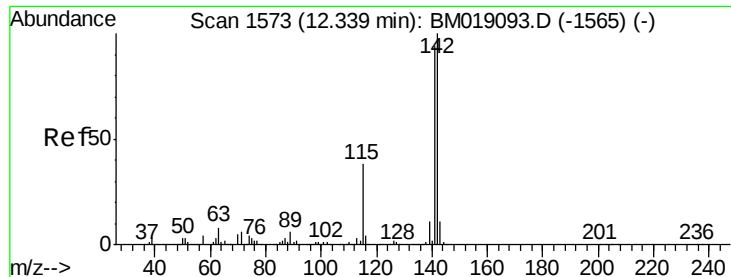


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

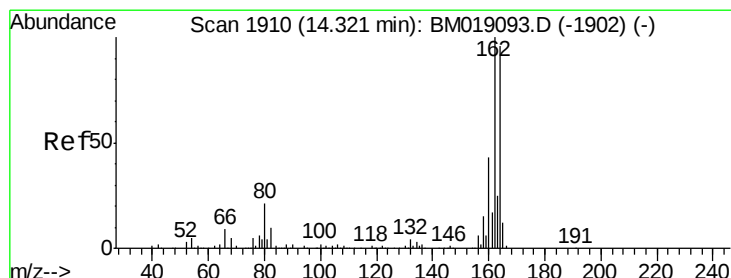
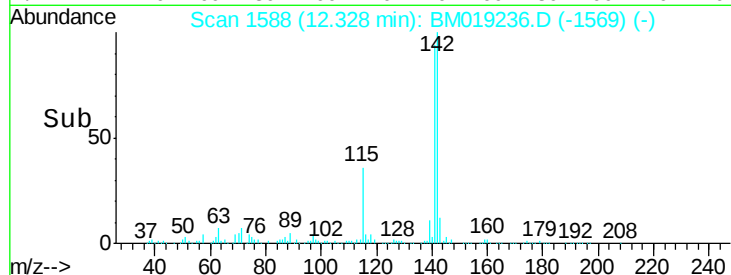
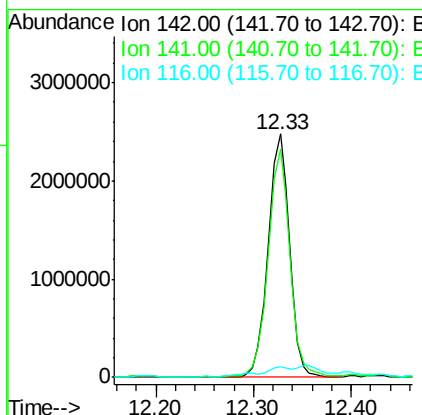
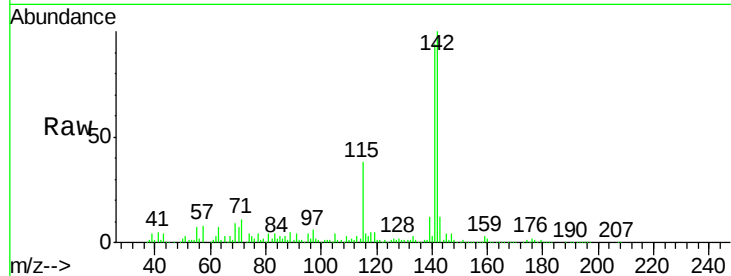




#38
1-Methylnaphthalene
Concen: 103.467 ng
RT: 12.33 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BM019236.D
Acq: 19 Mar 2019 14:40

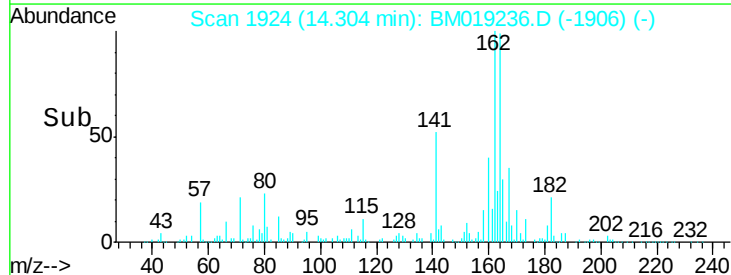
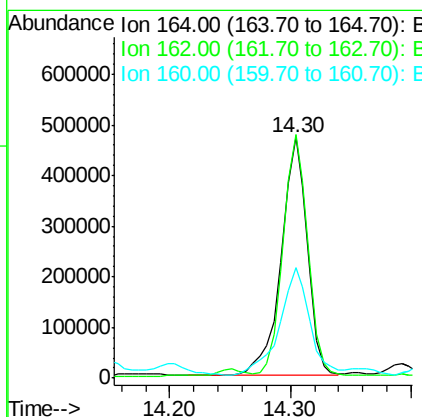
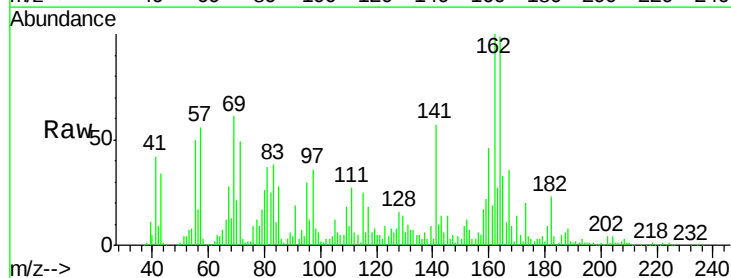
Instrument :
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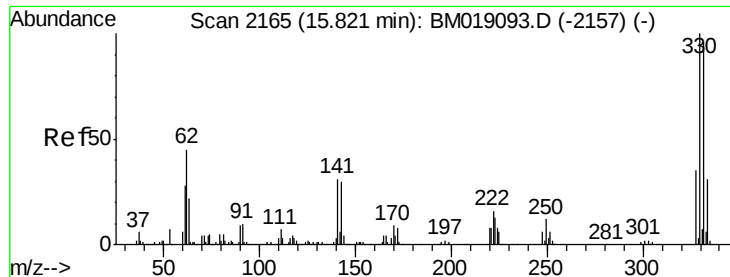
Tgt Ion:142 Resp: 3827985
Ion Ratio Lower Upper
142 100
141 93.8 74.7 112.1
116 4.5 3.1 4.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.30 min Scan# 1924
Delta R.T. 0.01 min
Lab File: BM019236.D
Acq: 19 Mar 2019 14:40

Tgt Ion:164 Resp: 705046
Ion Ratio Lower Upper
164 100
162 101.2 83.8 125.6
160 46.2 36.7 55.1

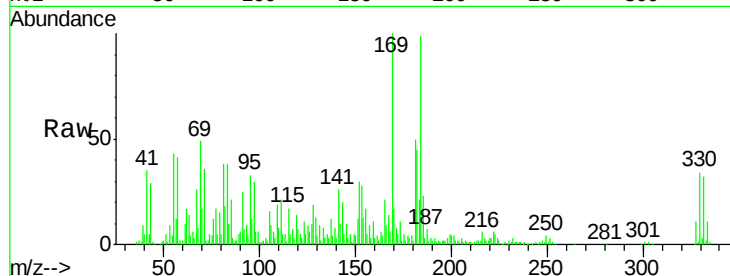




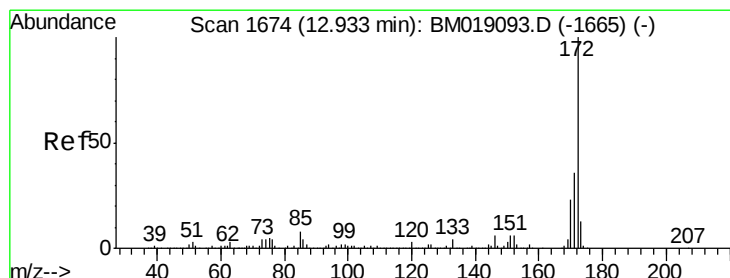
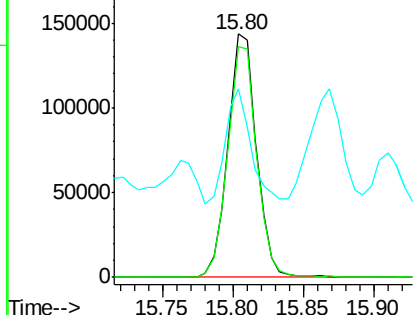
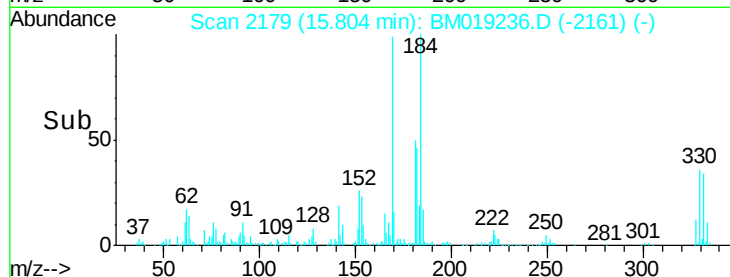
#42
 2,4,6-Tribromophenol
 Concen: 19.462 ng
 RT: 15.80 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: BM019236.D
 Acq: 19 Mar 2019 14:40

Instrument :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.6	116.4
141	41.6	26.2	39.2#

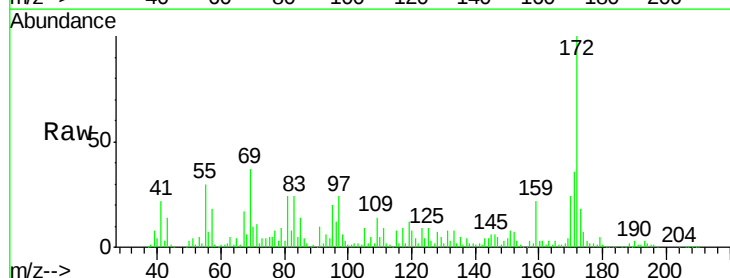


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

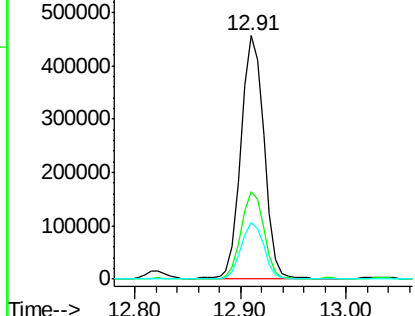
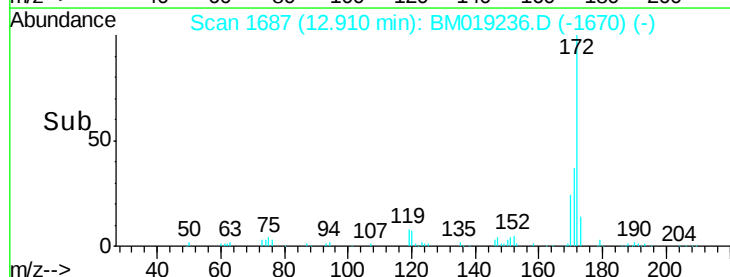


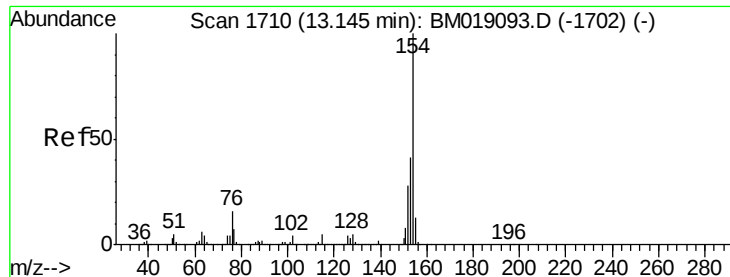
#45
 2-Fluorobiphenyl
 Concen: 12.630 ng
 RT: 12.91 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: BM019236.D
 Acq: 19 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	23.5	18.9	28.3



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

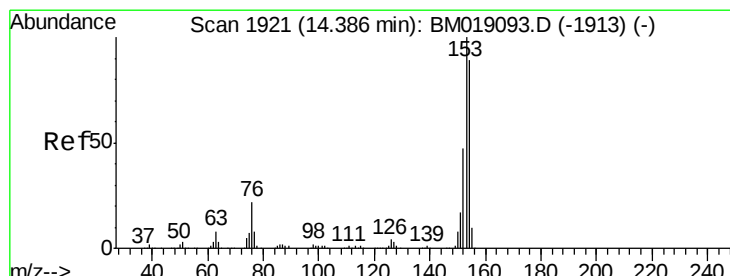
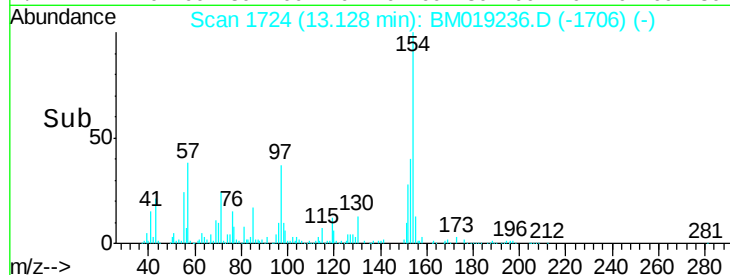
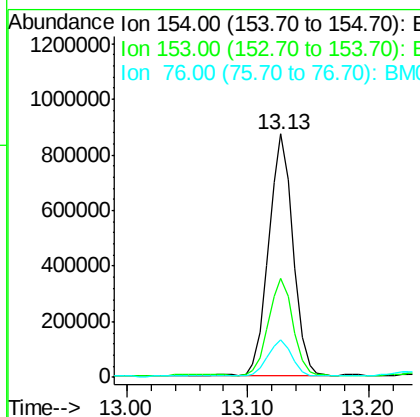
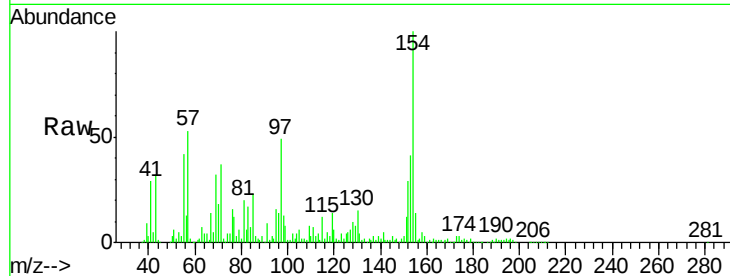




#46
 1,1'-Biphenyl
 Concen: 19.988 ng
 RT: 13.13 min Scan# 1724
 Delta R.T. 0.01 min
 Lab File: BM019236.D
 Acq: 19 Mar 2019 14:40

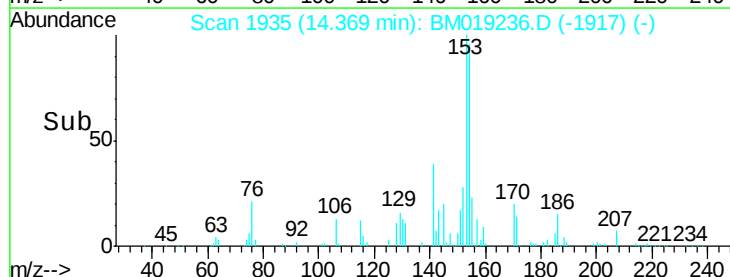
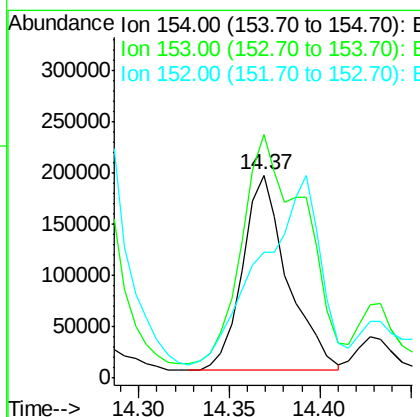
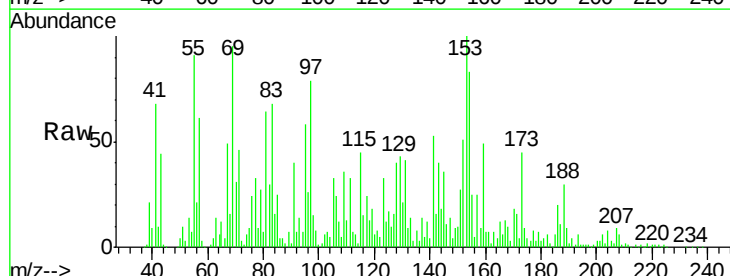
Instrument :
 BNA_M
 ClientSampleId :
 P-1-N.WALLDL

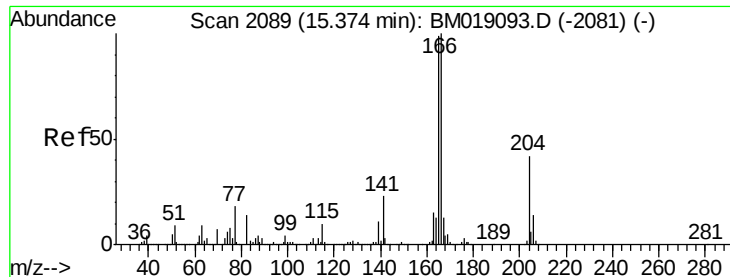
Tgt Ion:154 Resp: 1230729
 Ion Ratio Lower Upper
 154 100
 153 40.8 20.8 60.8
 76 15.6 0.0 35.5



#52
 Acenaphthene
 Concen: 7.409 ng
 RT: 14.37 min Scan# 1935
 Delta R.T. 0.01 min
 Lab File: BM019236.D
 Acq: 19 Mar 2019 14:40

Tgt Ion:154 Resp: 330818
 Ion Ratio Lower Upper
 154 100
 153 120.1 90.9 136.3
 152 61.8 42.3 63.5





#58

Fluorene

Concen: 12.992 ng

RT: 15.36 min Scan# 2103

Delta R.T. 0.01 min

Lab File: BM019236.D

Acq: 19 Mar 2019 14:40

Instrument :

BNA_M

ClientSampleId :

P-1-N.WALLDL

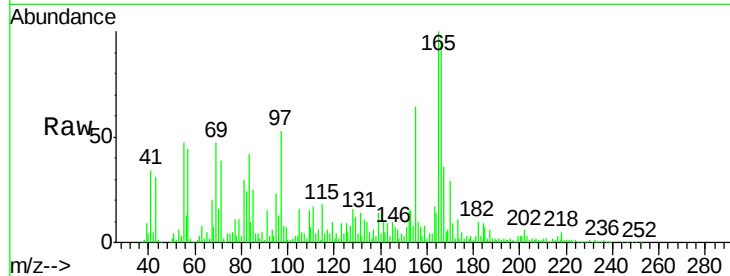
Tgt Ion:166 Resp: 771192

Ion Ratio Lower Upper

166 100

165 105.5 78.4 117.6

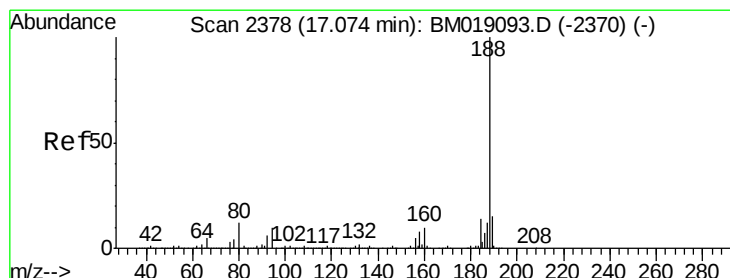
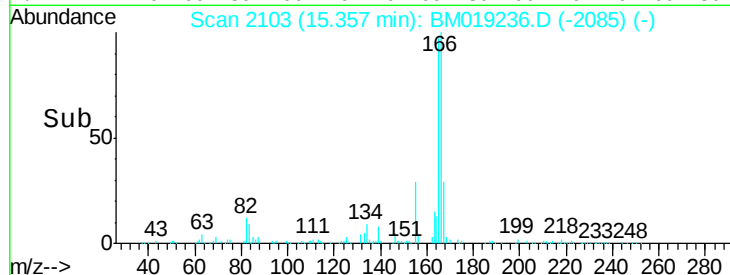
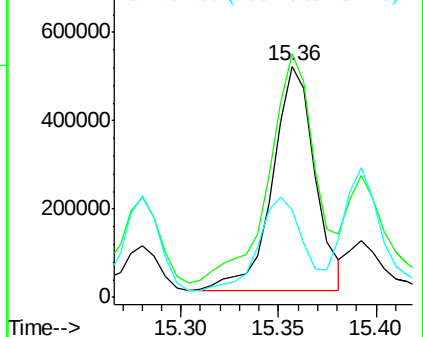
167 37.8 10.6 16.0#



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.06 min Scan# 2393

Delta R.T. 0.01 min

Lab File: BM019236.D

Acq: 19 Mar 2019 14:40

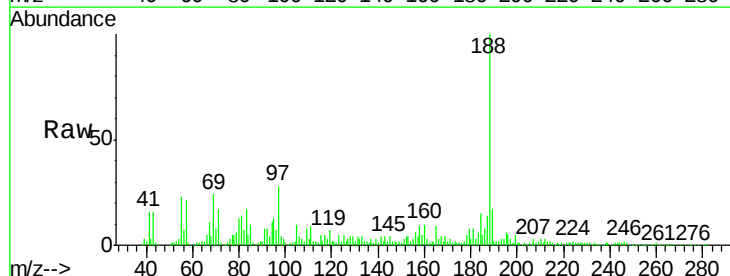
Tgt Ion:188 Resp: 1389344

Ion Ratio Lower Upper

188 100

94 11.1 8.3 12.5

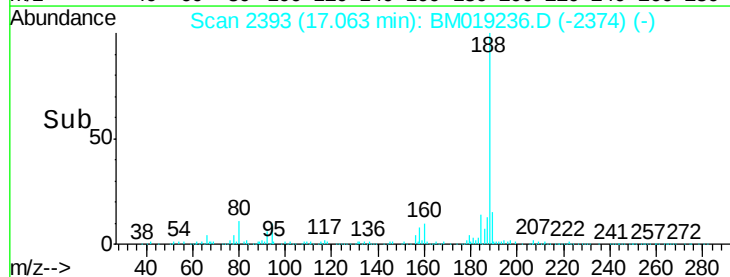
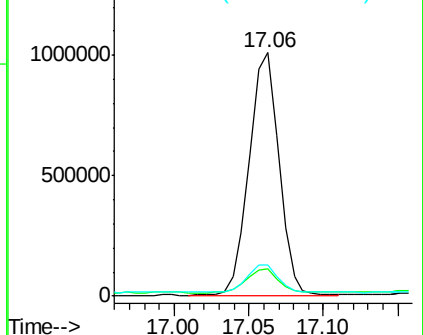
80 12.8 10.2 15.2

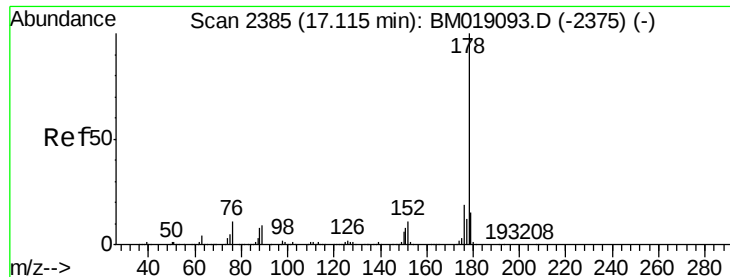


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

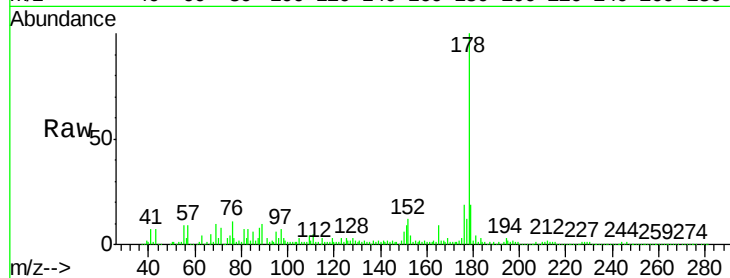




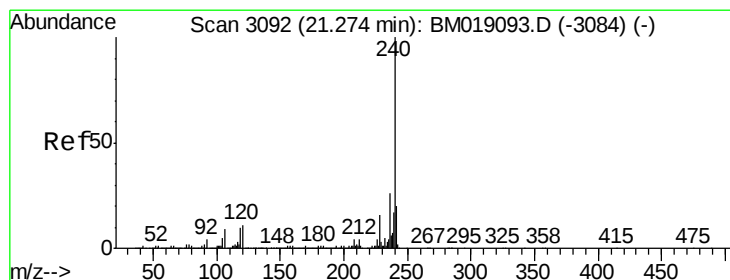
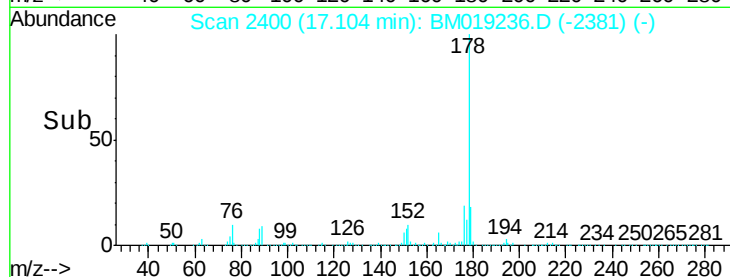
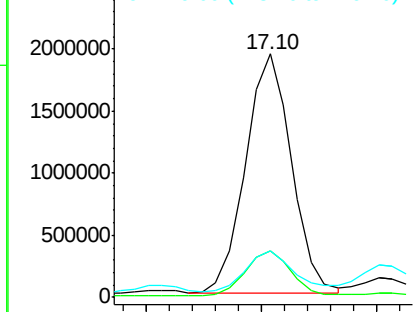
#71
Phenanthrene
Concen: 32.481 ng
RT: 17.10 min Scan# 2400
Delta R.T. 0.01 min
Lab File: BM019236.D
Acq: 19 Mar 2019 14:40

Instrument :
BNA_M
ClientSampleId :
P-1-N.WALLDL

Tgt Ion:178 Resp: 2645080
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 19.1 12.5 18.7#

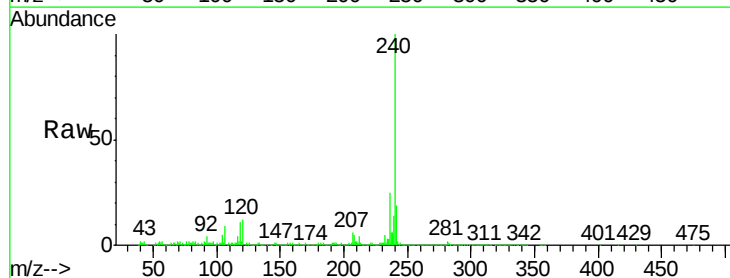


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

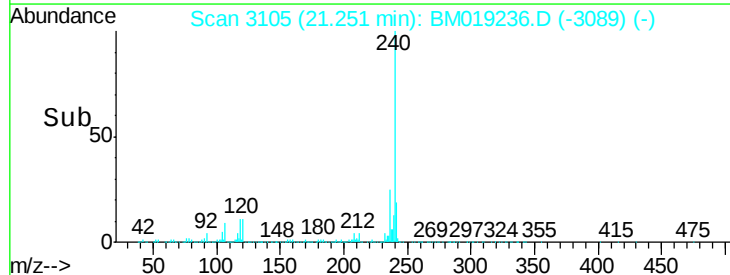
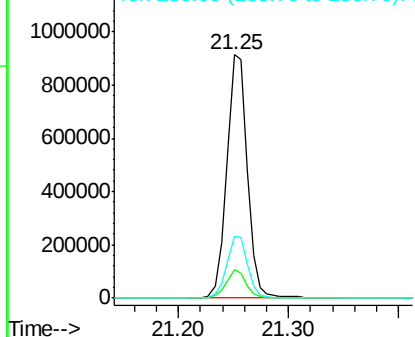


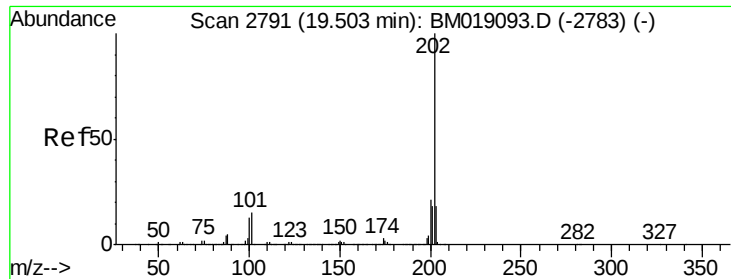
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.25 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BM019236.D
Acq: 19 Mar 2019 14:40

Tgt Ion:240 Resp: 1184242
Ion Ratio Lower Upper
240 100
120 11.5 8.5 12.7
236 25.4 20.8 31.2



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

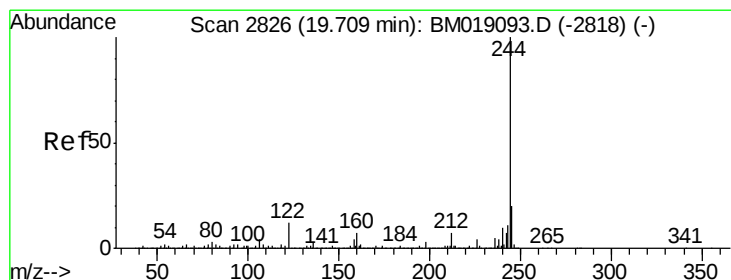
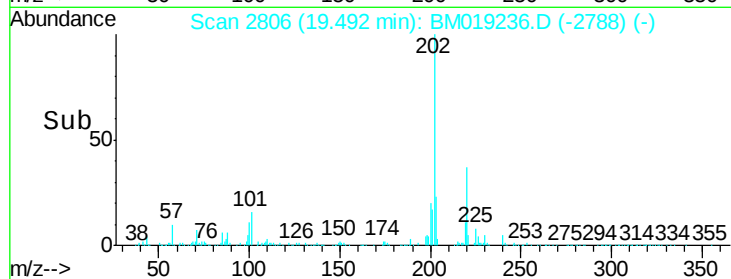
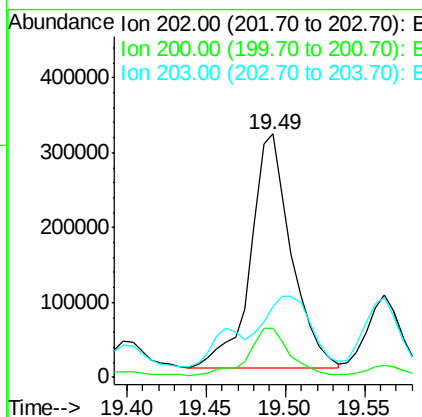
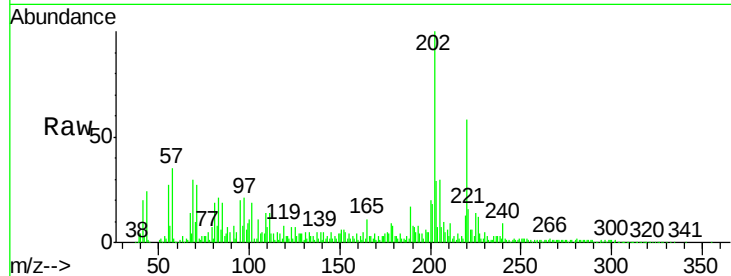




#78
 Pyrene
 Concen: 7.414 ng
 RT: 19.49 min Scan# 2806
 Delta R.T. 0.01 min
 Lab File: BM019236.D
 Acq: 19 Mar 2019 14:40

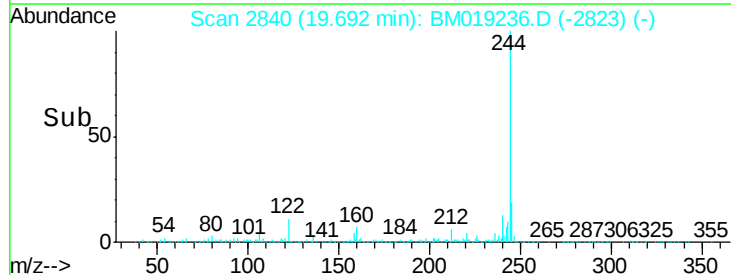
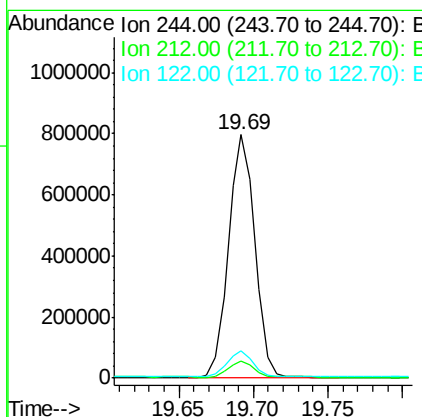
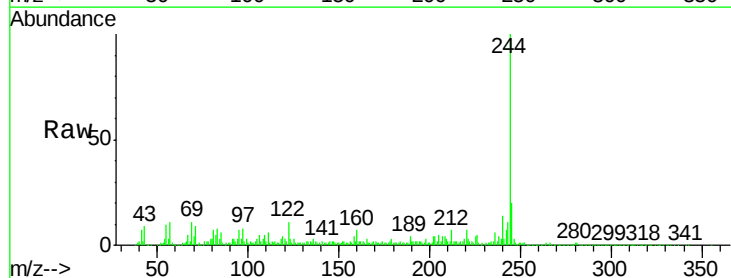
Instrument :
 BNA_M
 ClientSampleId :
 P-1-N.WALLDL

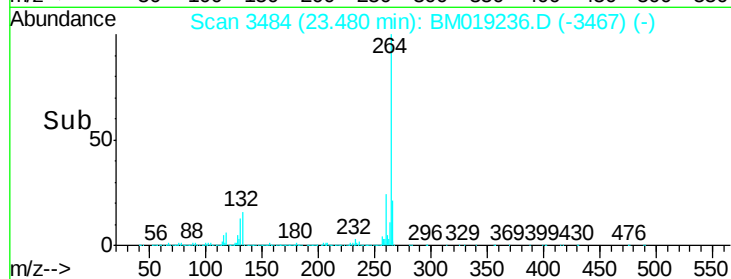
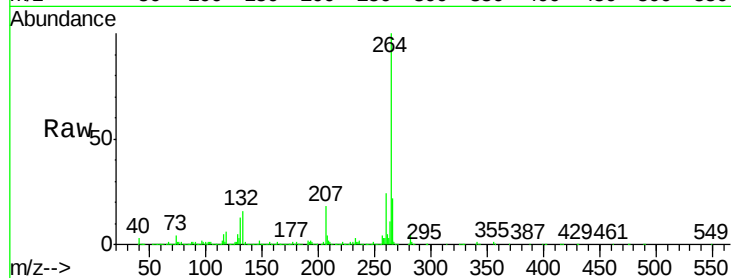
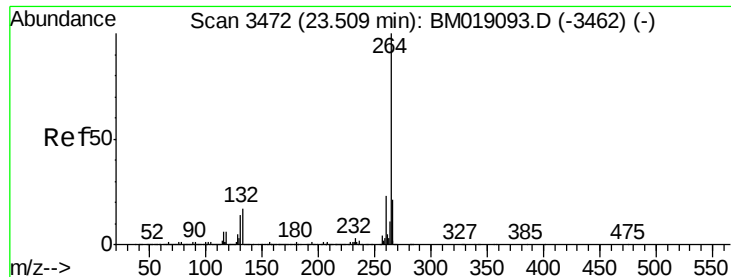
Tgt Ion: 202 Resp: 55526
 Ion Ratio Lower Upper
 202 100
 200 19.9 17.0 25.6
 203 29.3 14.1 21.1#



#79
 Terphenyl-d14
 Concen: 16.516 ng
 RT: 19.69 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: BM019236.D
 Acq: 19 Mar 2019 14:40

Tgt Ion: 244 Resp: 985212
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.4 8.8 13.2





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.48 min Scan# 3484

Delta R.T. 0.00 min

Lab File: BM019236.D

Acq: 19 Mar 2019 14:40

Instrument :

BNA_M

ClientSampleId :

P-1-N.WALLDL

Tgt Ion:264 Resp: 1108116

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 22.0 17.7 26.5

