

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM031919\
 Data File : BM019230.D
 Acq On : 19 Mar 2019 11:02
 Operator : JU/SJ
 Sample : K1970-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Mar 19 12:27:57 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

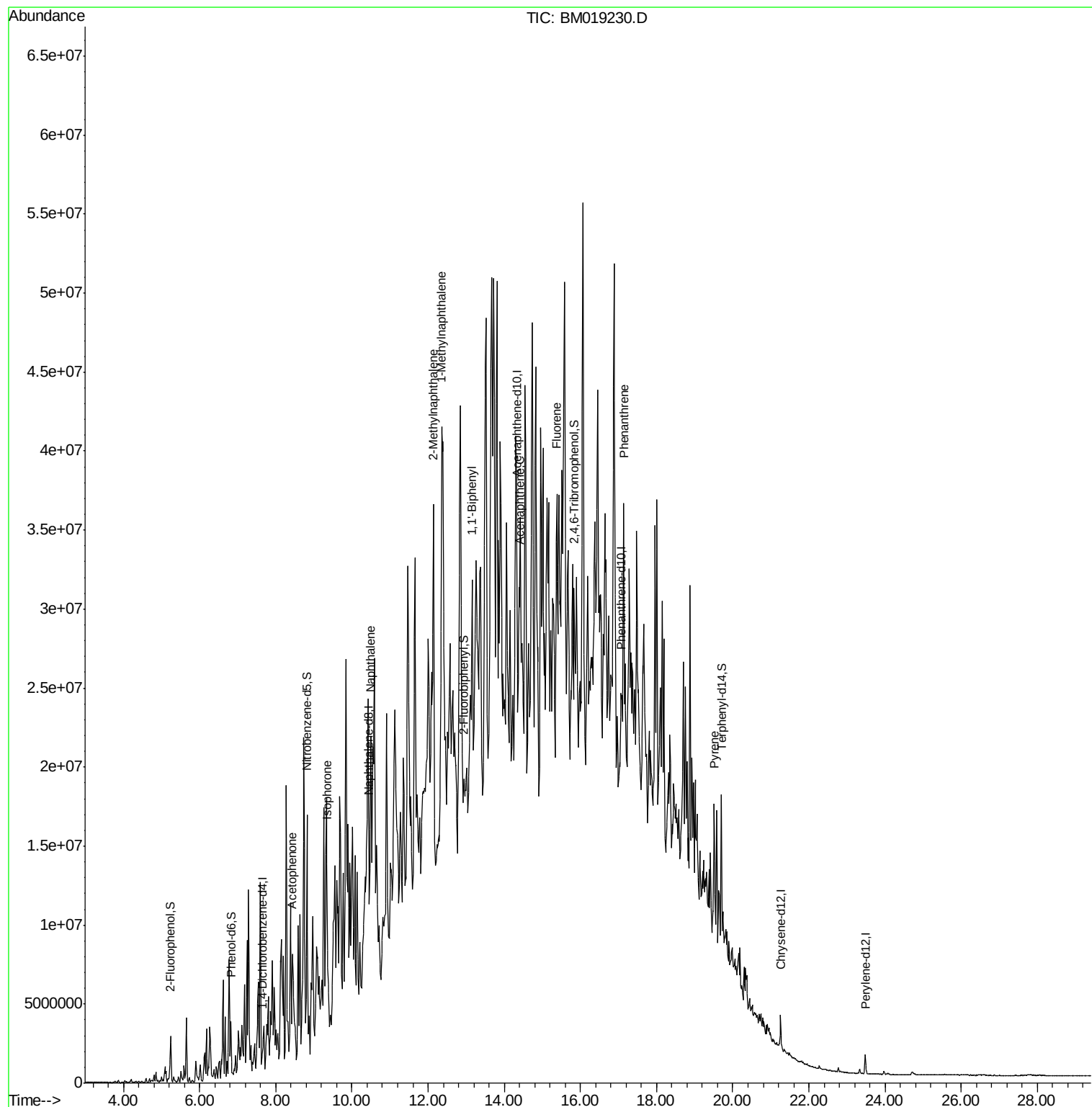
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	242482	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	1050161	20.00	ng	0.02
39) Acenaphthene-d10	14.33	164	897394	20.00	ng	0.04
64) Phenanthrene-d10	17.09	188	1161224	20.00	ng	0.04
76) Chrysene-d12	21.26	240	850022	20.00	ng	0.00
87) Perylene-d12	23.48	264	880461	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	1161869	77.60	ng	0.00
7) Phenol-d6	6.82	99	1884195	86.03	ng	0.00
23) Nitrobenzene-d5	8.82	82	1479161	66.58	ng	0.01
42) 2,4,6-Tribromophenol	15.84	330	1012401	76.41	ng	0.04
45) 2-Fluorobiphenyl	12.93	172	3512373	50.91	ng	0.02
79) Terphenyl-d14	19.70	244	3730529	87.13	ng	0.01
Target Compounds						
22) Acetophenone	8.43	105	3890287	134.046	ng	# 61
25) Isophorone	9.35	82	919830	21.698	ng	# 1
31) Naphthalene	10.50	128	3801034	68.671	ng	# 87
37) 2-Methylnaphthalene	12.14	142	18837610	468.337	ng	99
38) 1-Methylnaphthalene	12.36	142	17452885	440.220	ng	# 100
46) 1,1'-Biphenyl	13.16	154	6068004	77.427	ng	99
52) Acenaphthene	14.40	154	1534594	27.001	ng	# 85
58) Fluorene	15.39	166	3736728	49.459	ng	# 84
71) Phenanthrene	17.13	178	10334149	151.831	ng	# 95
78) Pyrene	19.50	202	2084134	38.752	ng	# 89

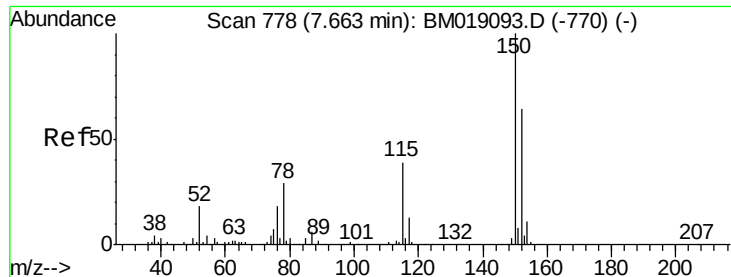
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM031919\
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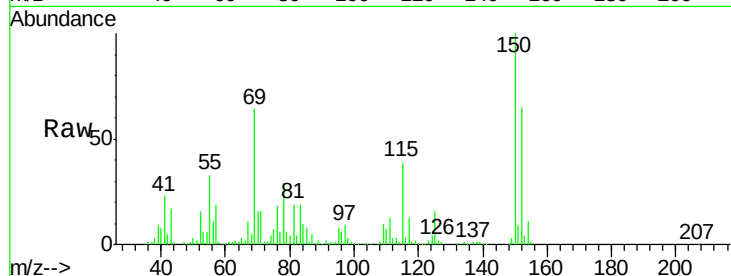


#1

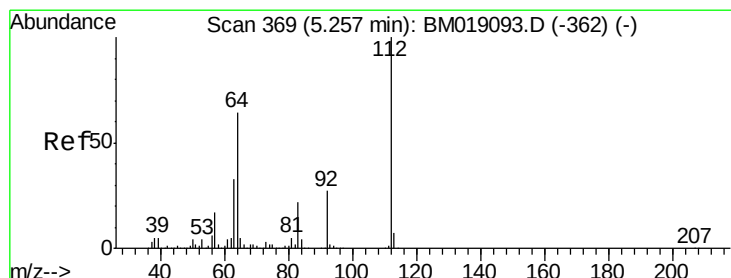
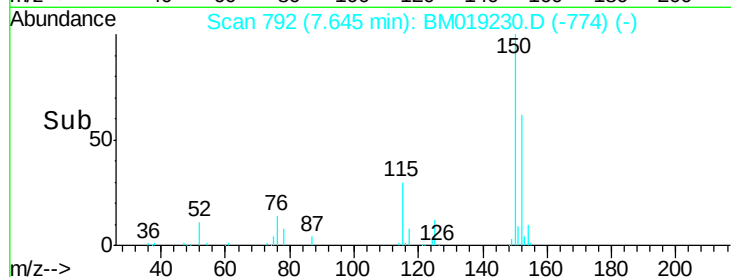
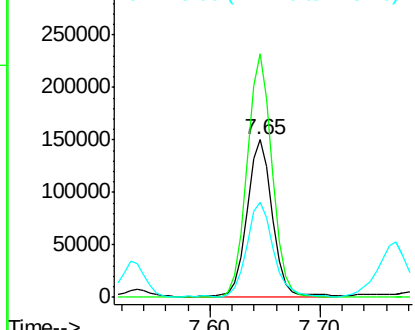
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 792
Delta R.T. 0.01 min
Lab File: BM019230.D
Acq: 19 Mar 2019 11:02

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

Tgt Ion:152 Resp: 242482
Ion Ratio Lower Upper
152 100
150 154.8 124.6 187.0
115 60.2 48.2 72.4



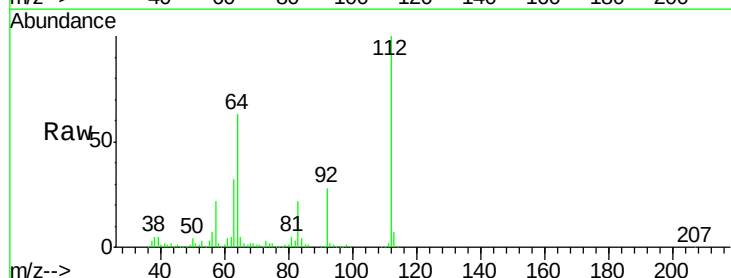
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



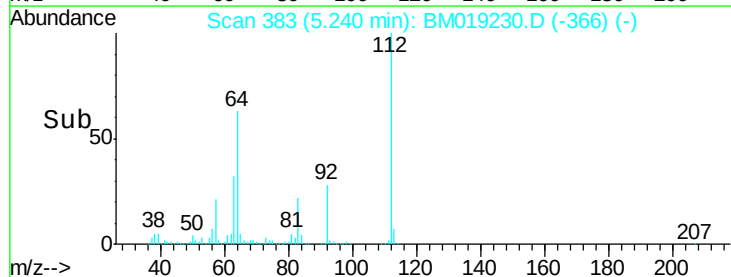
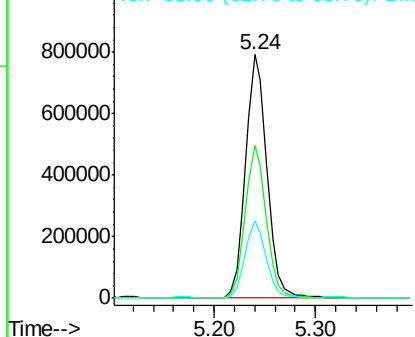
#5

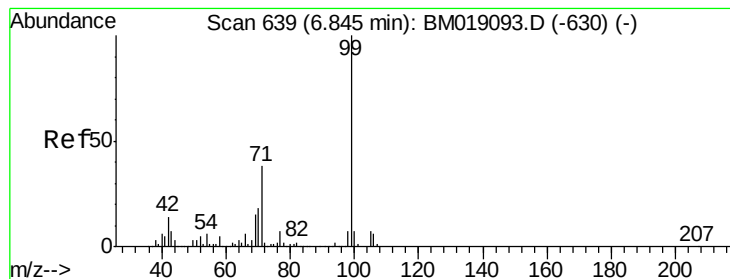
2-Fluorophenol
Concen: 77.598 ng
RT: 5.24 min Scan# 383
Delta R.T. -0.00 min
Lab File: BM019230.D
Acq: 19 Mar 2019 11:02

Tgt Ion:112 Resp: 1161869
Ion Ratio Lower Upper
112 100
64 62.6 49.0 73.6
63 31.7 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: 86.033 ng

RT: 6.82 min Scan# 652

Delta R.T. -0.00 min

Lab File: BM019230.D

Acq: 19 Mar 2019 11:02

Instrument :

BNA_M

ClientSampleId :

P-1-N.WALL

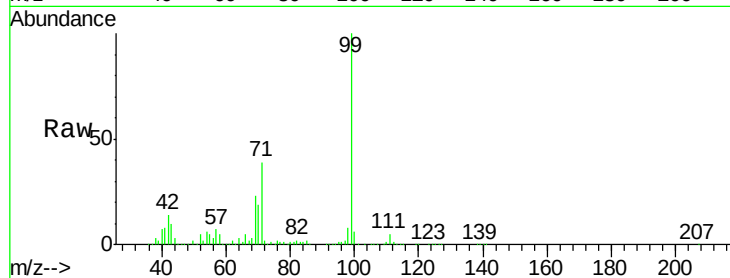
Tgt Ion: 99 Resp: 1884195

Ion Ratio Lower Upper

99 100

42 14.2 10.8 16.2

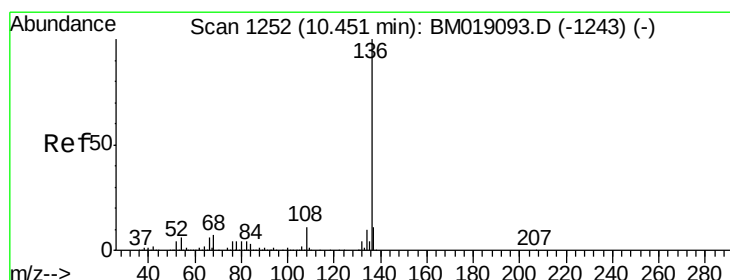
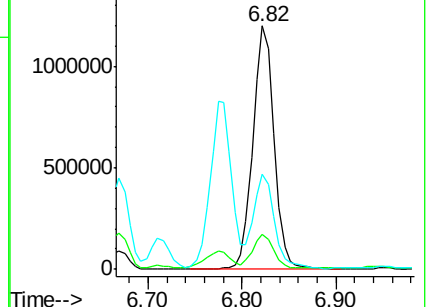
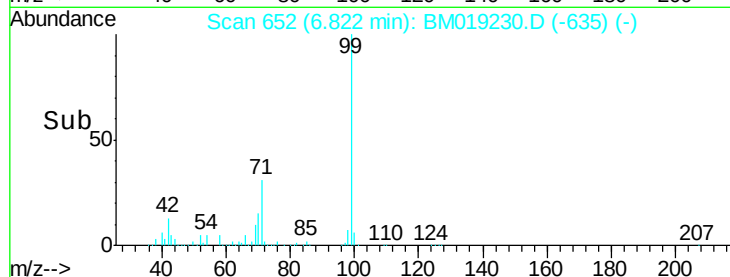
71 39.0 30.1 45.1



Abundance Ion 99.00 (98.70 to 99.70): BM019230.D (-635) (-)

Ion 42.00 (41.70 to 42.70): BM019230.D (-635) (-)

Ion 71.00 (70.70 to 71.70): BM019230.D (-635) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.45 min Scan# 1268

Delta R.T. 0.02 min

Lab File: BM019230.D

Acq: 19 Mar 2019 11:02

Tgt Ion: 136 Resp: 1050161

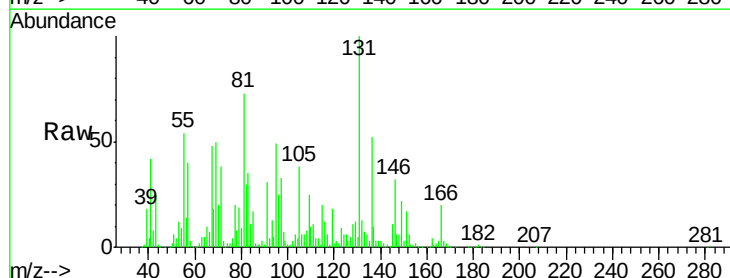
Ion Ratio Lower Upper

136 100

137 18.8 9.0 13.4#

54 18.0 5.2 7.8#

68 33.6 6.1 9.1#

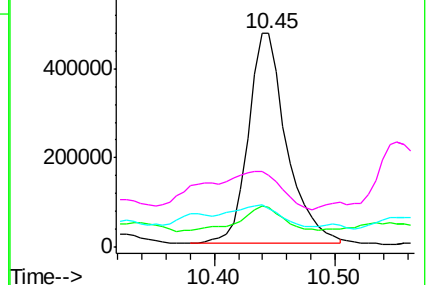
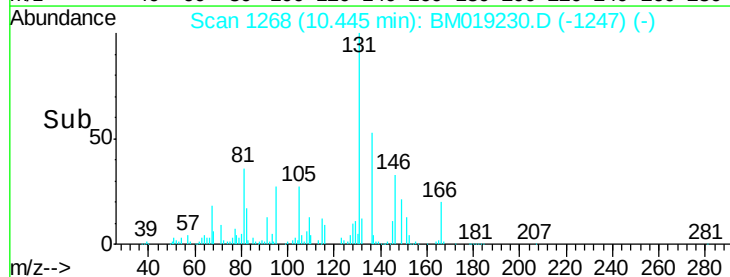


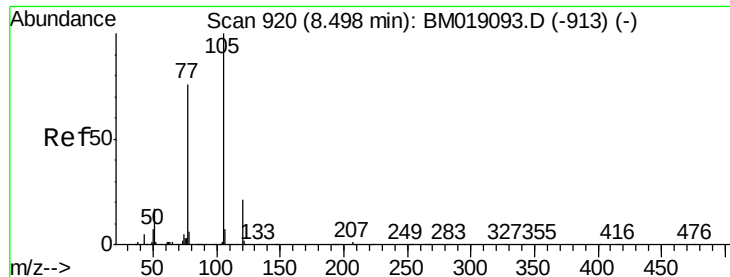
Abundance Ion 136.00 (135.70 to 136.70): BM019230.D (-1247) (-)

Ion 137.00 (136.70 to 137.70): BM019230.D (-1247) (-)

Ion 54.00 (53.70 to 54.70): BM019230.D (-1247) (-)

Ion 68.00 (67.70 to 68.70): BM019230.D (-1247) (-)





#22

Acetophenone

Concen: 134.046 ng

RT: 8.43 min Scan# 926

Delta R.T. -0.04 min

Lab File: BM019230.D

Acq: 19 Mar 2019 11:02

Instrument :

BNA_M

ClientSampleId :

P-1-N.WALL

Tgt Ion: 105 Resp: 3890287

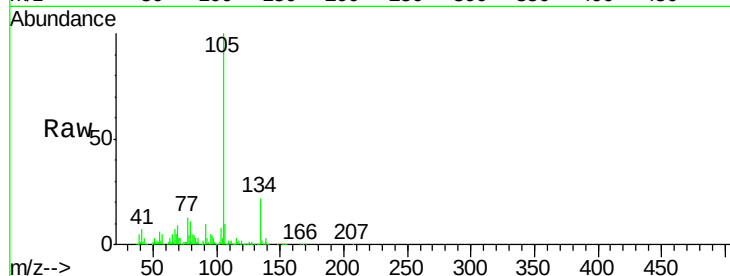
Ion Ratio Lower Upper

105 100

71 3.3 1.4 2.2#

51 3.0 15.8 23.8#

120 0.2 16.8 25.2#

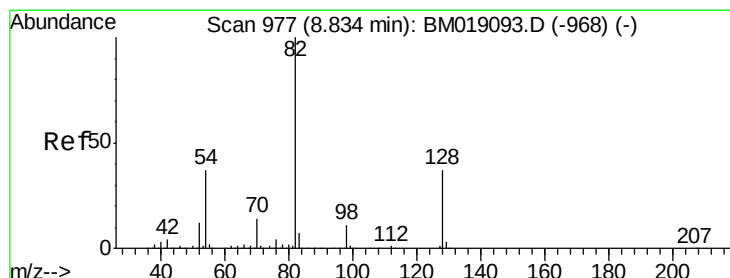
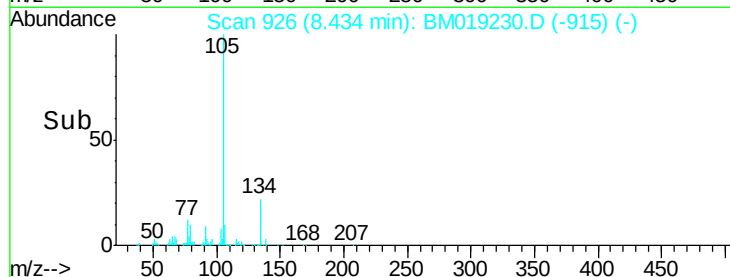
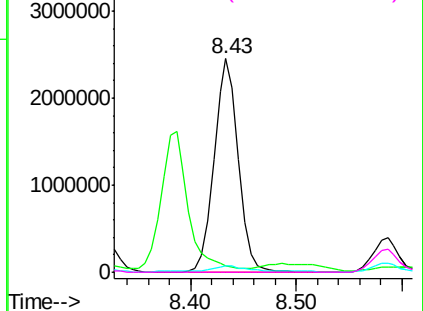


Abundance Ion 105.00 (104.70 to 105.70): E

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: 66.580 ng

RT: 8.82 min Scan# 992

Delta R.T. 0.01 min

Lab File: BM019230.D

Acq: 19 Mar 2019 11:02

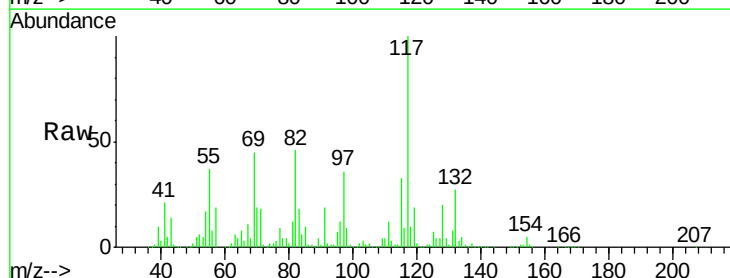
Tgt Ion: 82 Resp: 1479161

Ion Ratio Lower Upper

82 100

128 44.0 30.2 45.4

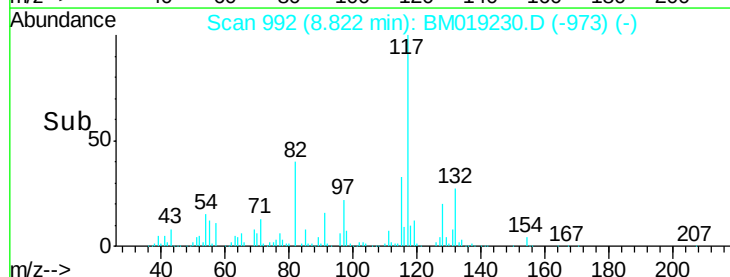
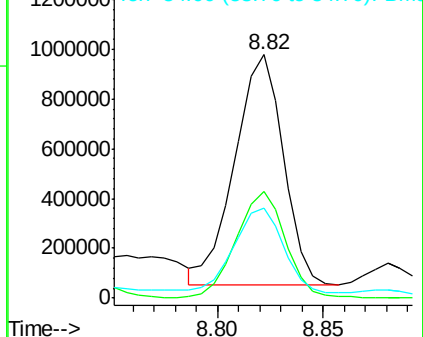
54 36.7 29.0 43.4

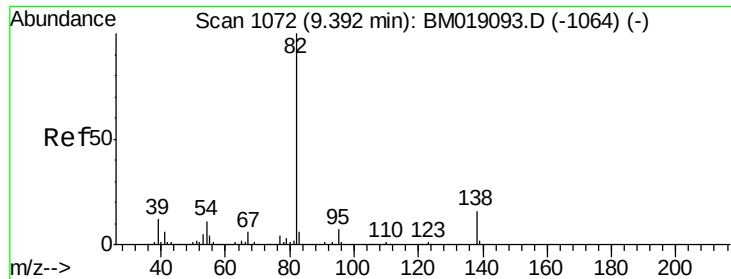


Abundance Ion 82.00 (81.70 to 82.70): BM0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM0





#25

Isophorone

Concen: 21.698 ng

RT: 9.35 min Scan# 1081

Delta R.T. -0.02 min

Lab File: BM019230.D

Acq: 19 Mar 2019 11:02

Instrument :

BNA_M

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P-1-N.WALL

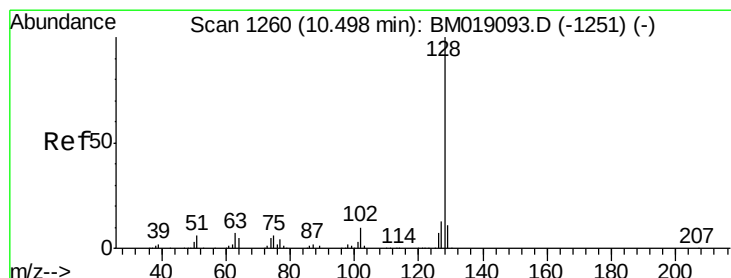
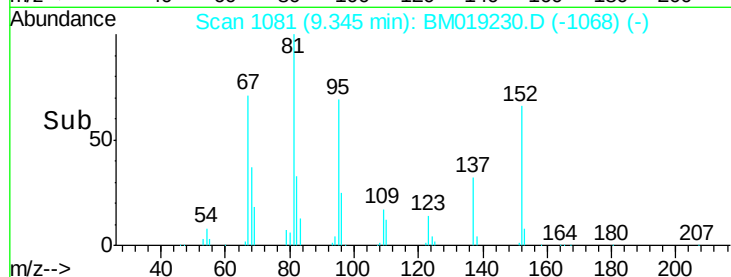
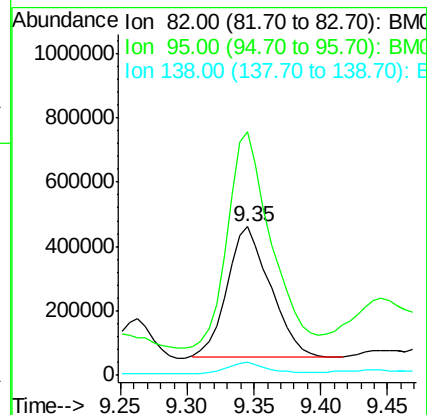
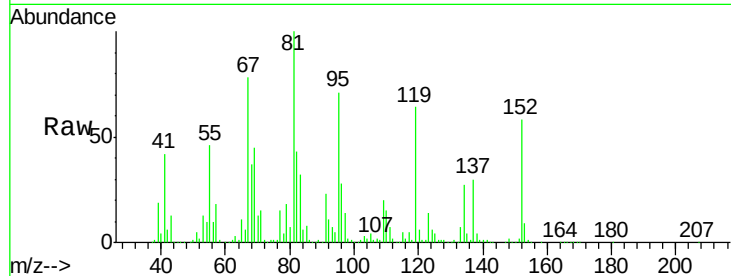
Tgt Ion: 82 Resp: 919830

Ion Ratio Lower Upper

82 100

95 164.1 5.6 8.4#

138 8.7 12.6 19.0#



#31

Naphthalene

Concen: 68.671 ng

RT: 10.50 min Scan# 1277

Delta R.T. 0.02 min

Lab File: BM019230.D

Acq: 19 Mar 2019 11:02

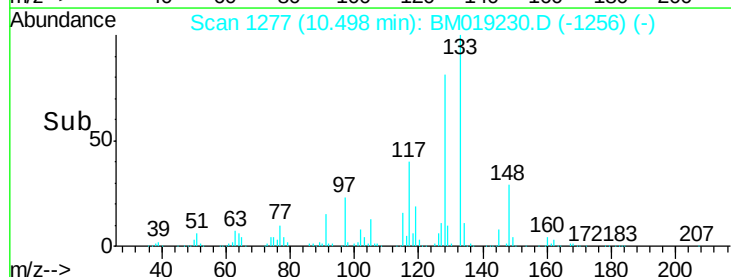
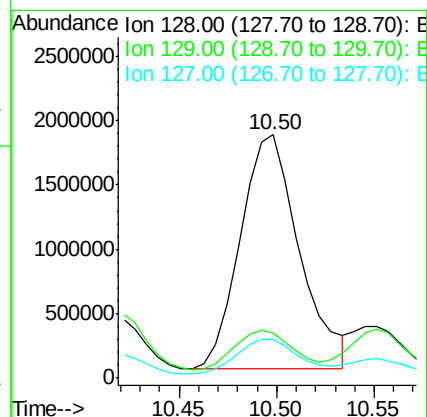
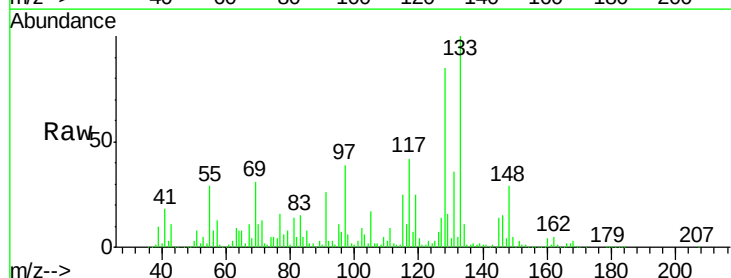
Tgt Ion: 128 Resp: 3801034

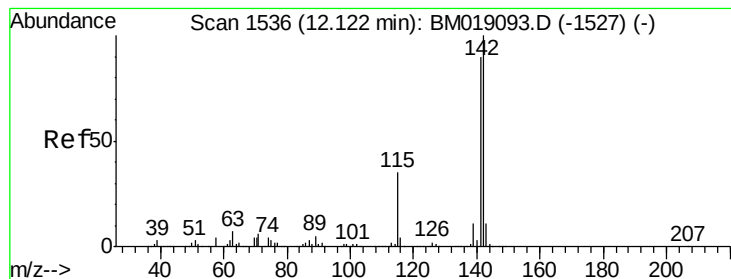
Ion Ratio Lower Upper

128 100

129 18.5 8.6 12.8#

127 16.1 10.6 15.8#





#37

2-Methylnaphthalene

Concen: 468.337 ng

RT: 12.14 min Scan# 1556

Delta R.T. 0.05 min

Lab File: BM019230.D

Acq: 19 Mar 2019 11:02

Instrument :

BNA_M

ClientSampleId :

P-1-N.WALL

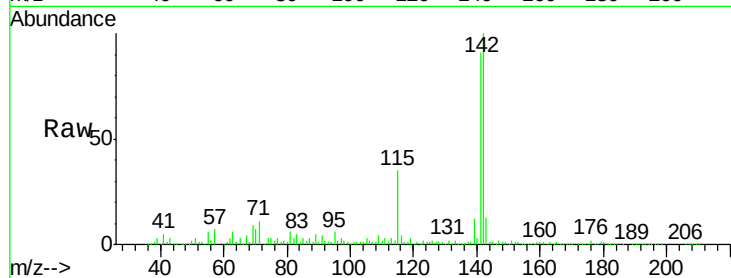
Tgt Ion:142 Resp:18837610

Ion Ratio Lower Upper

142 100

141 90.6 71.4 107.0

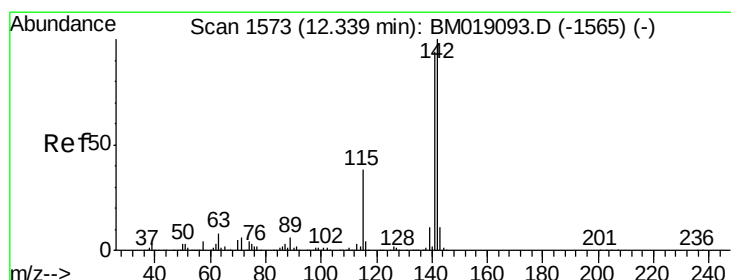
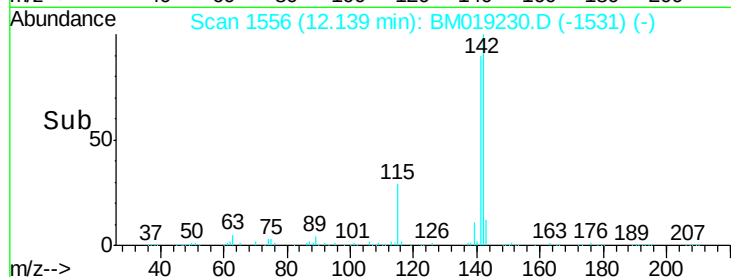
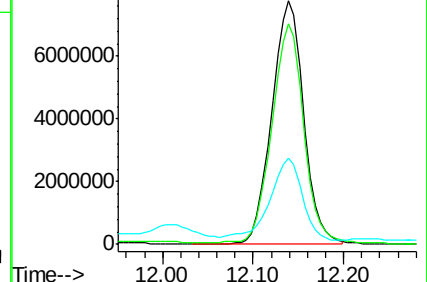
115 35.5 28.0 42.0



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: 440.220 ng

RT: 12.36 min Scan# 1593

Delta R.T. 0.04 min

Lab File: BM019230.D

Acq: 19 Mar 2019 11:02

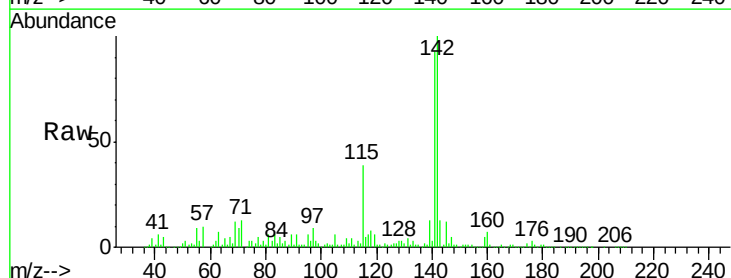
Tgt Ion:142 Resp:17452885

Ion Ratio Lower Upper

142 100

141 93.3 74.7 112.1

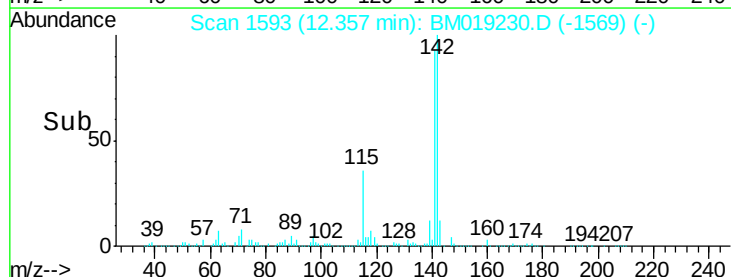
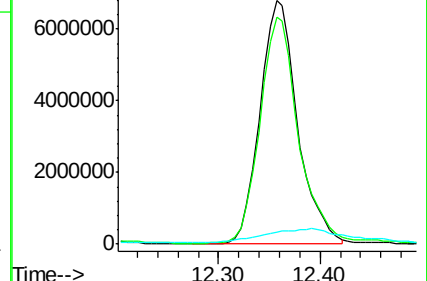
116 5.1 3.1 4.7#

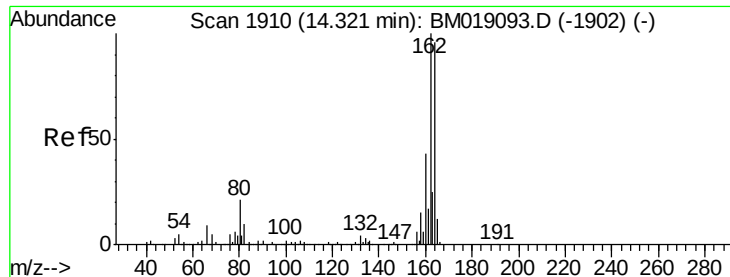


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.33 min Scan# 1929

Delta R.T. 0.04 min

Lab File: BM019230.D

Acq: 19 Mar 2019 11:02

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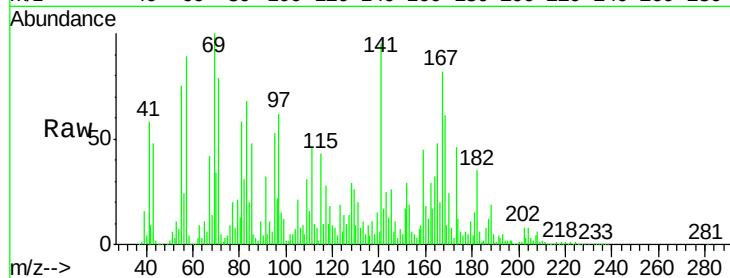
Tgt Ion:164 Resp: 897394

Ion Ratio Lower Upper

164 100

162 90.2 83.8 125.6

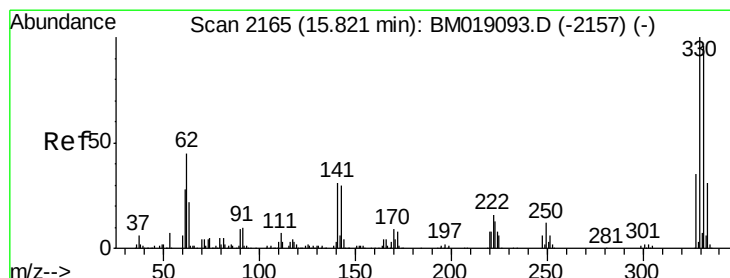
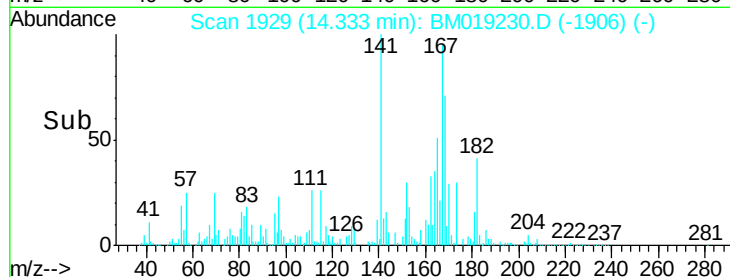
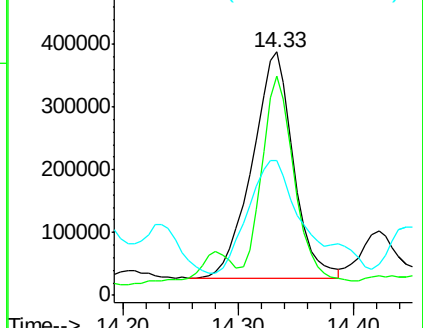
160 55.4 36.7 55.1#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 76.409 ng

RT: 15.84 min Scan# 2185

Delta R.T. 0.04 min

Lab File: BM019230.D

Acq: 19 Mar 2019 11:02

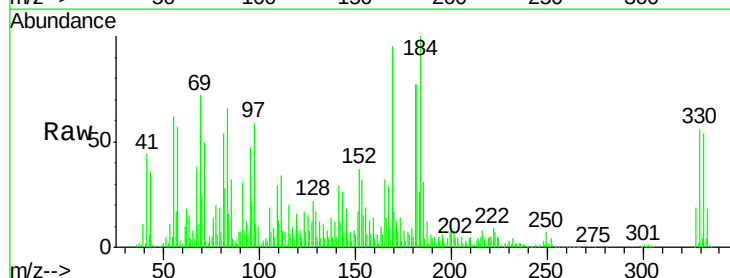
Tgt Ion:330 Resp: 1012401

Ion Ratio Lower Upper

330 100

332 97.3 77.6 116.4

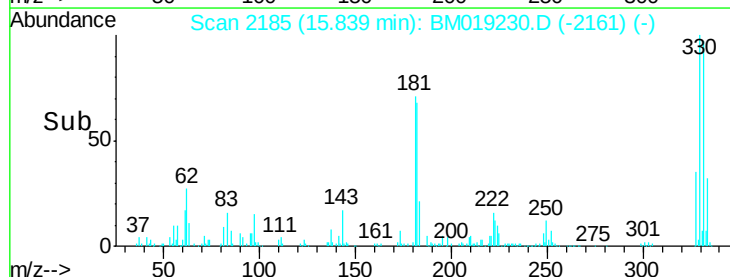
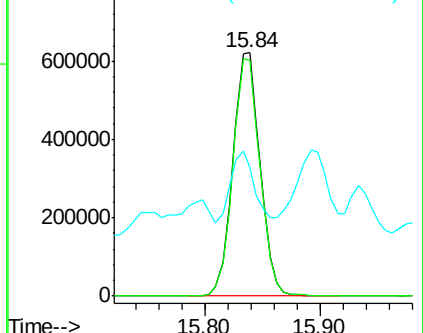
141 24.6 26.2 39.2#

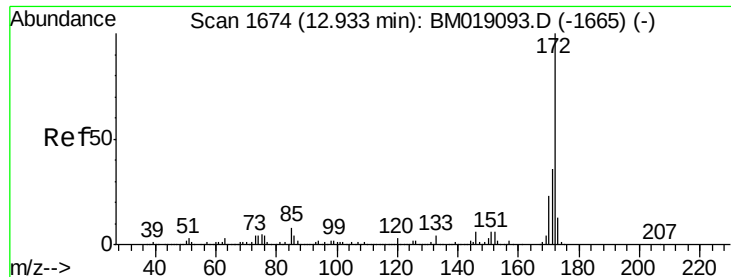


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

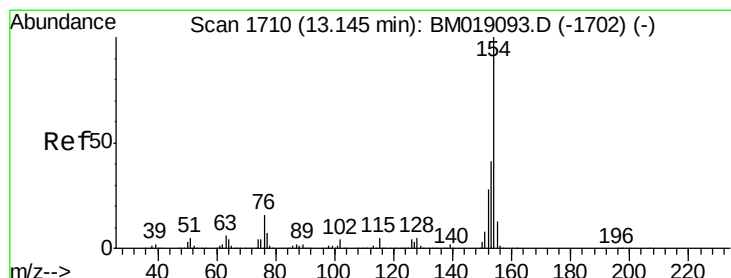
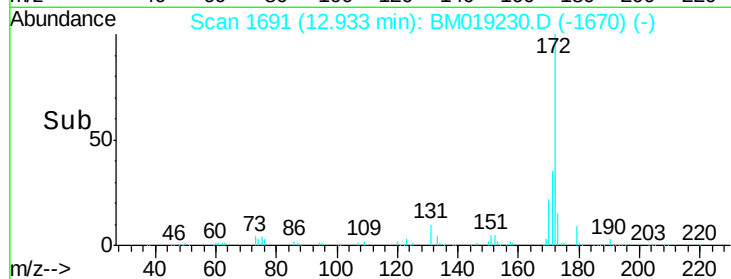
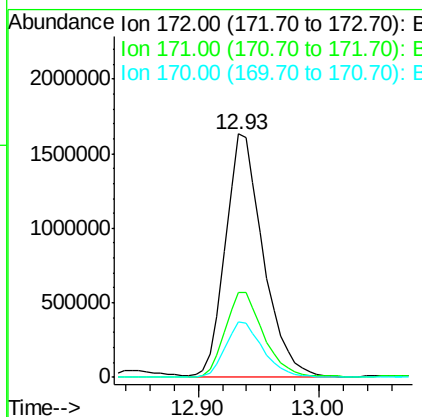
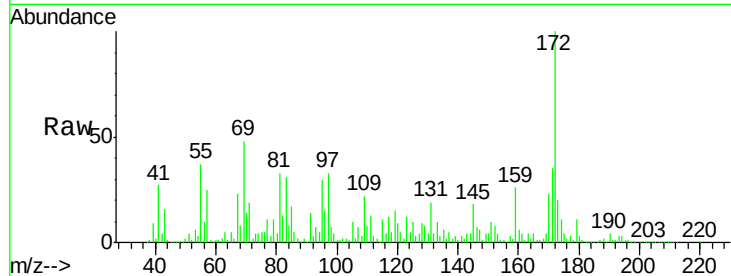




#45
 2-Fluorobiphenyl
 Concen: 50.911 ng
 RT: 12.93 min Scan# 1691
 Delta R.T. 0.02 min
 Lab File: BM019230.D
 Acq: 19 Mar 2019 11:02

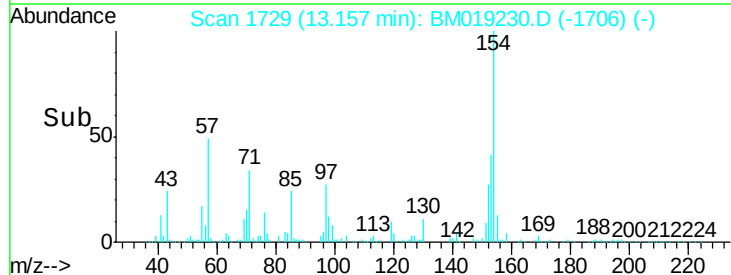
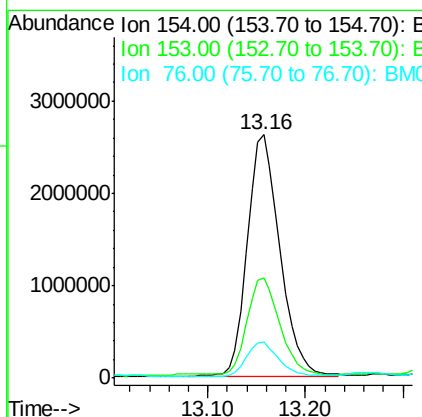
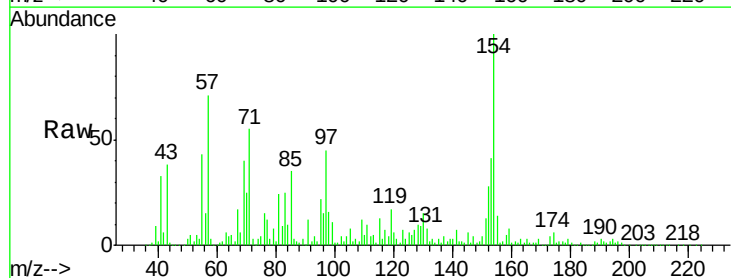
Instrument :
 BNA_M
 ClientSampleId :
 P-1-N.WALL

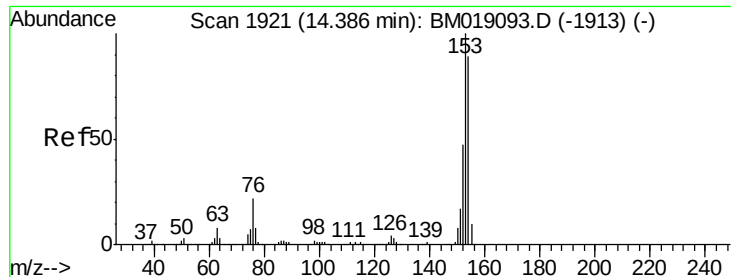
Tgt Ion:172 Resp: 3512373
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.9 43.3
 170 22.7 18.9 28.3



#46
 1,1'-Biphenyl
 Concen: 77.427 ng
 RT: 13.16 min Scan# 1729
 Delta R.T. 0.04 min
 Lab File: BM019230.D
 Acq: 19 Mar 2019 11:02

Tgt Ion:154 Resp: 6068004
 Ion Ratio Lower Upper
 154 100
 153 41.4 20.8 60.8
 76 14.8 0.0 35.5





#52

Acenaphthene

Concen: 27.001 ng

RT: 14.40 min Scan# 1940

Delta R.T. 0.04 min

Lab File: BM019230.D

Acq: 19 Mar 2019 11:02

Instrument :

BNA_M

ClientSampleId :

P-1-N.WALL

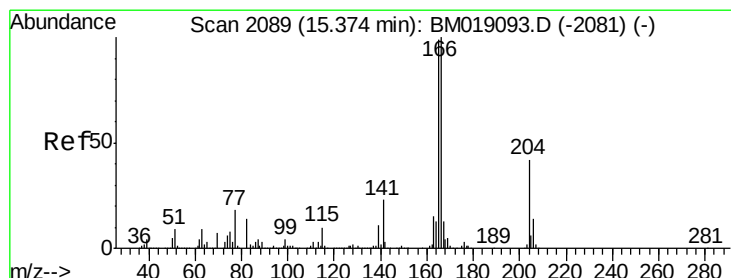
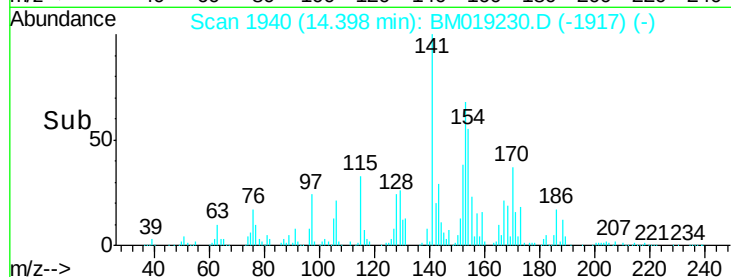
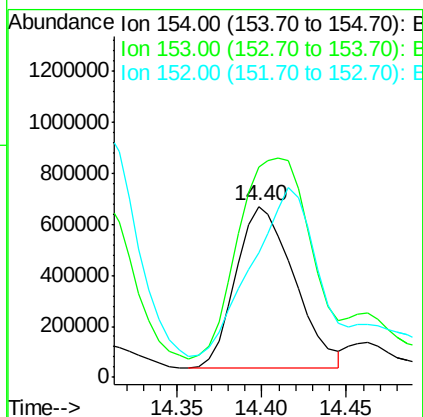
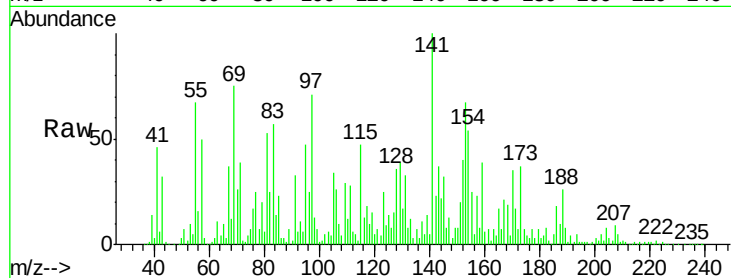
Tgt Ion:154 Resp: 1534594

Ion Ratio Lower Upper

154 100

153 123.3 90.9 136.3

152 73.2 42.3 63.5#



#58

Fluorene

Concen: 49.459 ng

RT: 15.39 min Scan# 2108

Delta R.T. 0.04 min

Lab File: BM019230.D

Acq: 19 Mar 2019 11:02

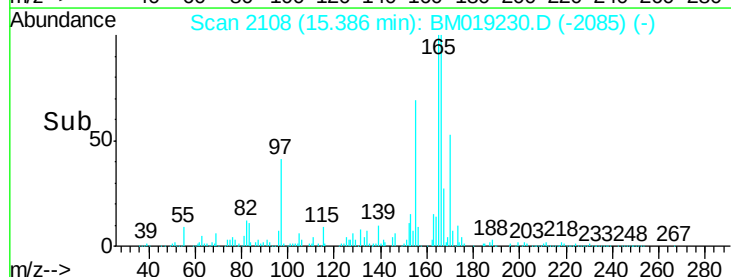
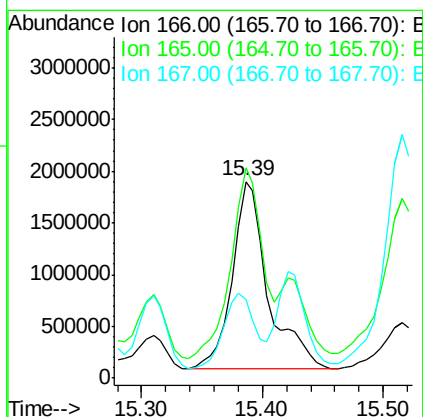
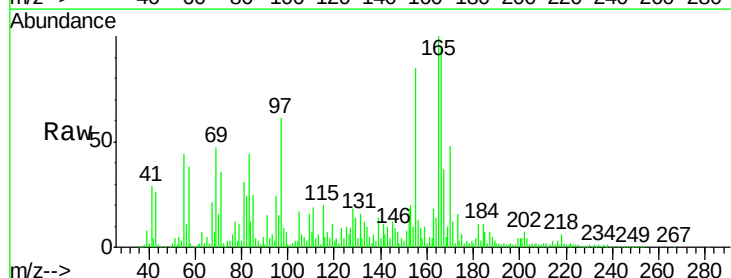
Tgt Ion:166 Resp: 3736728

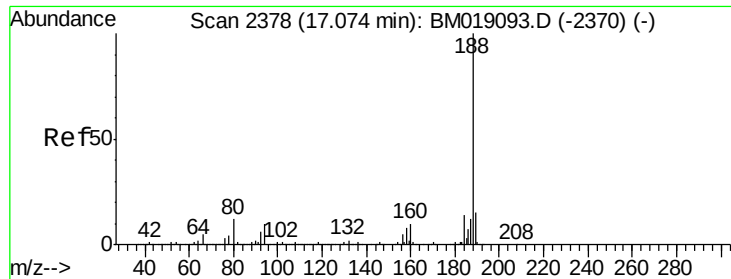
Ion Ratio Lower Upper

166 100

165 106.9 78.4 117.6

167 39.8 10.6 16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.09 min Scan# 2397

Delta R.T. 0.04 min

Lab File: BM019230.D

Acq: 19 Mar 2019 11:02

Instrument :

BNA_M

ClientSampleId :

P-1-N.WALL

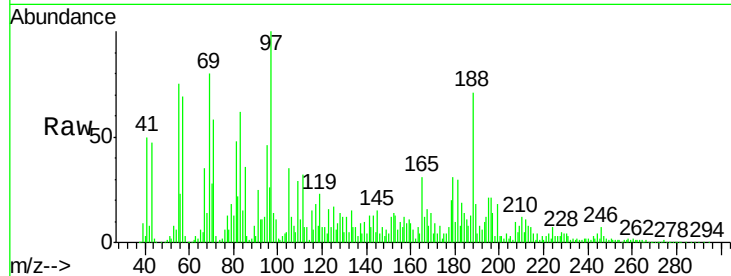
Tgt Ion:188 Resp: 1161224

Ion Ratio Lower Upper

188 100

94 17.0 8.3 12.5#

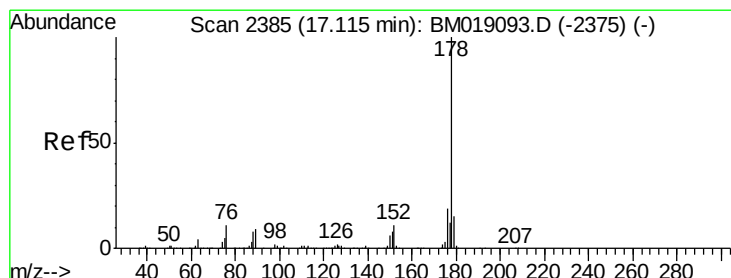
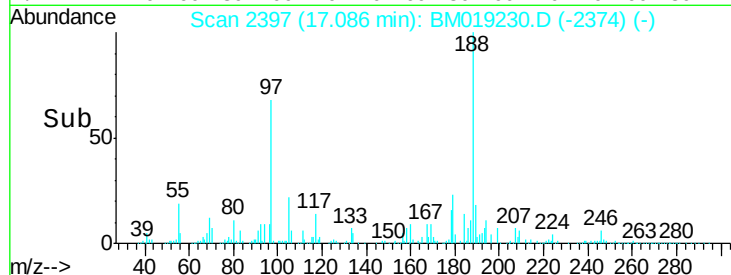
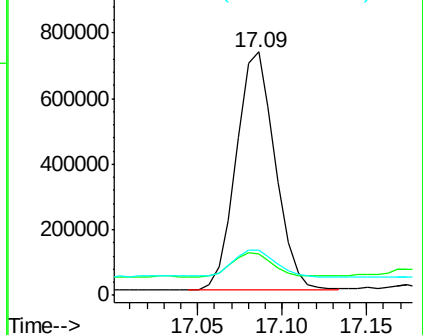
80 18.6 10.2 15.2#



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: 151.831 ng

RT: 17.13 min Scan# 2405

Delta R.T. 0.04 min

Lab File: BM019230.D

Acq: 19 Mar 2019 11:02

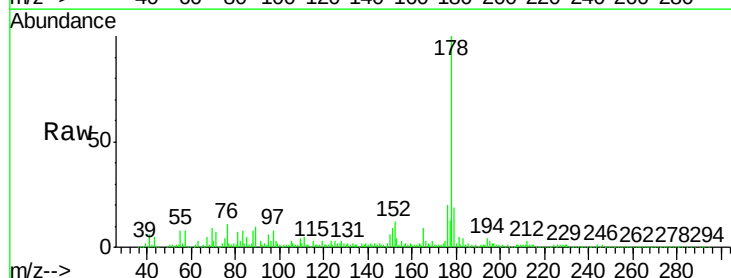
Tgt Ion:178 Resp:10334149

Ion Ratio Lower Upper

178 100

176 20.0 15.1 22.7

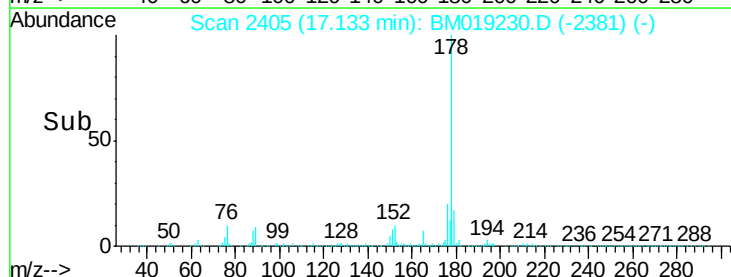
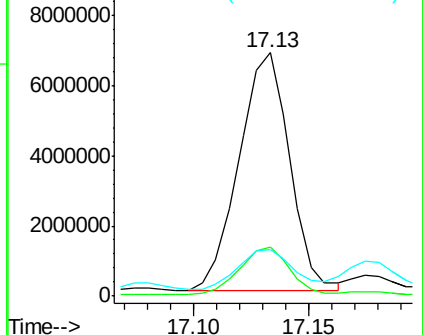
179 19.1 12.5 18.7#

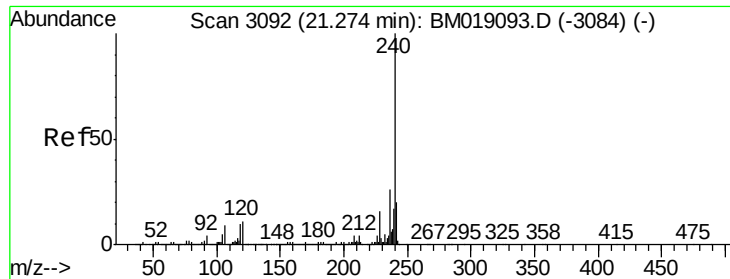


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

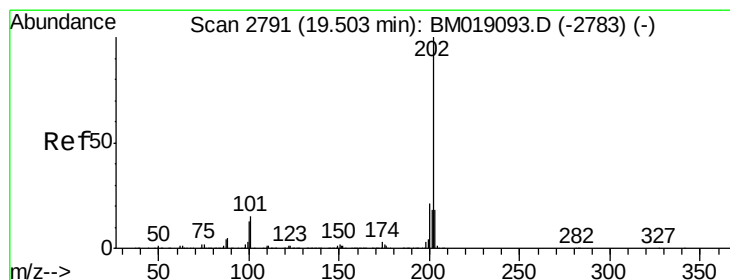
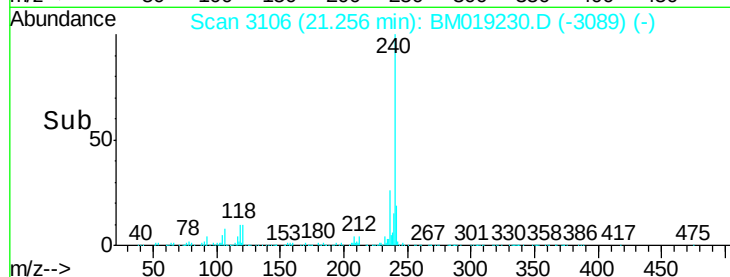
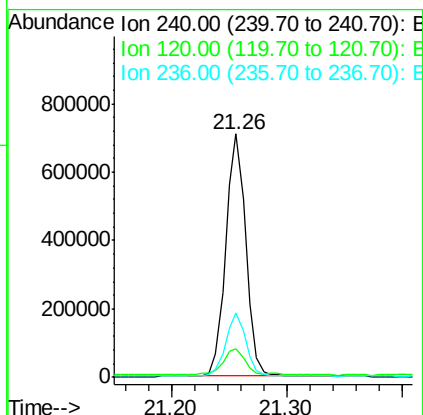
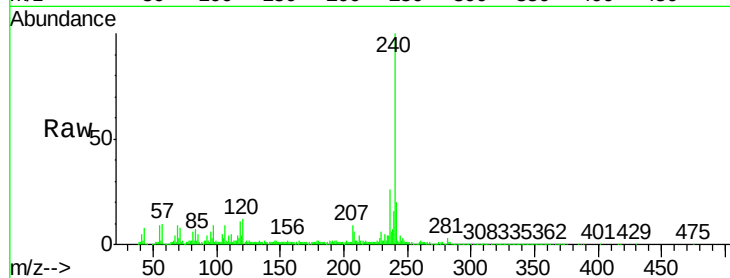




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.26 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BM019230.D
Acq: 19 Mar 2019 11:02

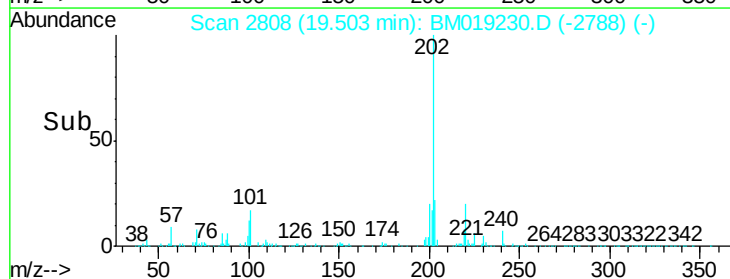
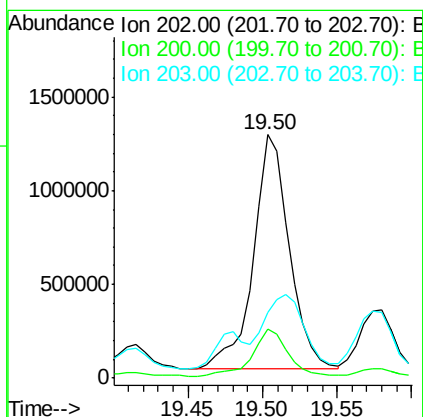
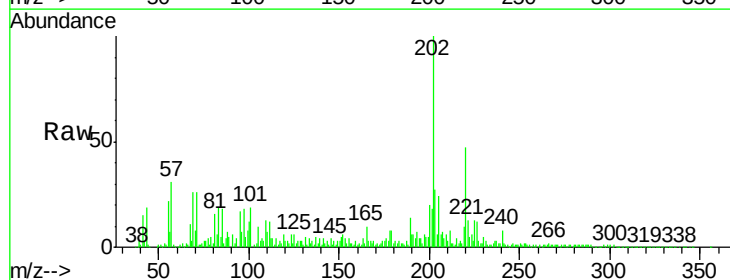
Instrument :
BNA_M
ClientSampleId :
P-1-N.WALL

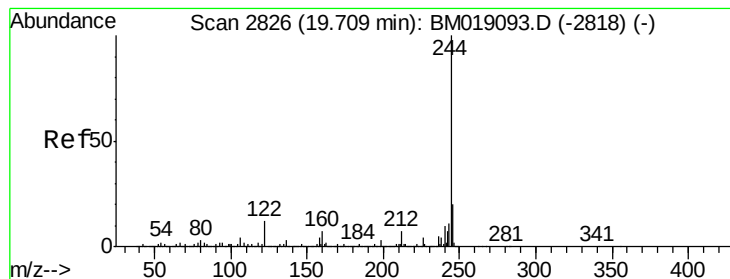
Tgt Ion:240 Resp: 850022
Ion Ratio Lower Upper
240 100
120 11.5 8.5 12.7
236 26.4 20.8 31.2



#78
Pyrene
Concen: 38.752 ng
RT: 19.50 min Scan# 2808
Delta R.T. 0.02 min
Lab File: BM019230.D
Acq: 19 Mar 2019 11:02

Tgt Ion:202 Resp: 2084134
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.6
203 26.9 14.1 21.1#





#79

Terphenyl-d14

Concen: 87.126 ng

RT: 19.70 min Scan# 2842

Delta R.T. 0.01 min

Lab File: BM019230.D

Acq: 19 Mar 2019 11:02

Instrument :

BNA_M

ClientSampleId :

P-1-N.WALL

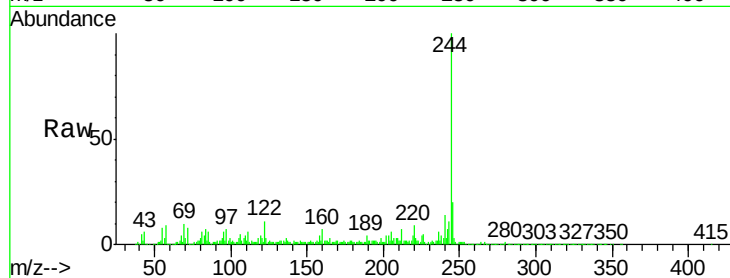
Tgt Ion:244 Resp: 3730529

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

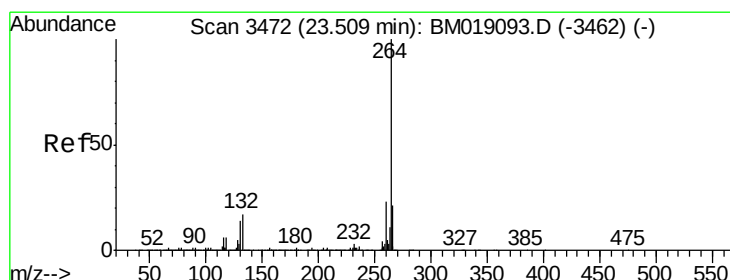
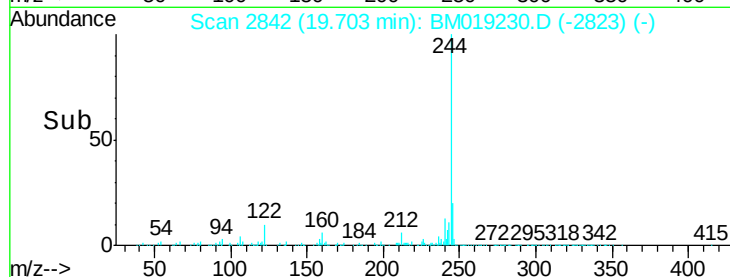
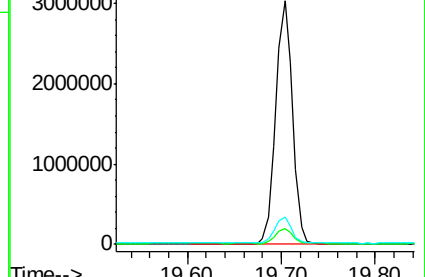
122 11.0 8.8 13.2



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: 23.48 min Scan# 3484

Delta R.T. -0.00 min

Lab File: BM019230.D

Acq: 19 Mar 2019 11:02

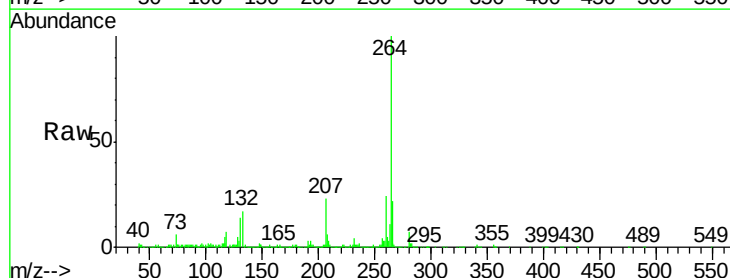
Tgt Ion:264 Resp: 880461

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 22.3 17.7 26.5



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

