

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM031919\
 Data File : BM019231.D
 Acq On : 19 Mar 2019 11:38
 Operator : JU/SJ
 Sample : K1970-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P-3-E.WALL-N.CENTER

Quant Time: Mar 19 13:25:02 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

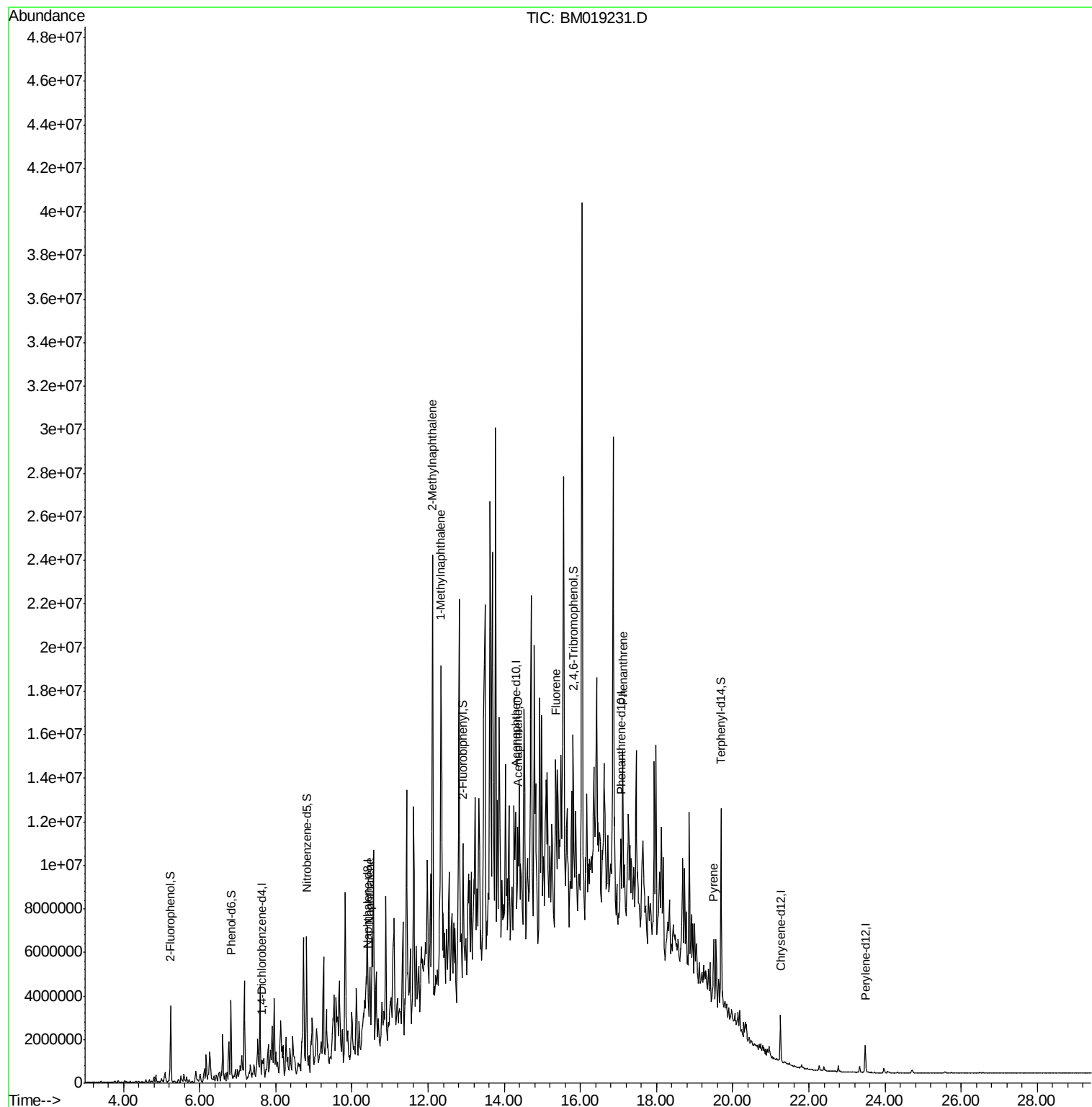
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	203062	20.00	ng	-0.02
21) Naphthalene-d8	10.43	136	895137	20.00	ng	-0.02
39) Acenaphthene-d10	14.31	164	607310	20.00	ng	-0.01
64) Phenanthrene-d10	17.06	188	1202035	20.00	ng	-0.01
76) Chrysene-d12	21.25	240	907590	20.00	ng	-0.02
87) Perylene-d12	23.48	264	877835	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	1421640	113.38	ng	-0.02
7) Phenol-d6	6.82	99	2064065	112.54	ng	-0.02
23) Nitrobenzene-d5	8.81	82	1327198	70.09	ng	-0.02
42) 2,4,6-Tribromophenol	15.82	330	1051271	117.24	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	3153917	67.55	ng	-0.02
79) Terphenyl-d14	19.70	244	4030672	88.16	ng	-0.01
Target Compounds						
31) Naphthalene	10.47	128	282558	5.989	ng	Qvalue # 36
37) 2-Methylnaphthalene	12.12	142	10560558	308.025	ng	99
38) 1-Methylnaphthalene	12.33	142	6514870	192.786	ng	100
52) Acenaphthene	14.37	154	508097	13.210	ng	92
58) Fluorene	15.36	166	1309600	25.613	ng	# 90
71) Phenanthrene	17.11	178	4031794	57.225	ng	# 96
78) Pyrene	19.49	202	775630	13.507	ng	# 89

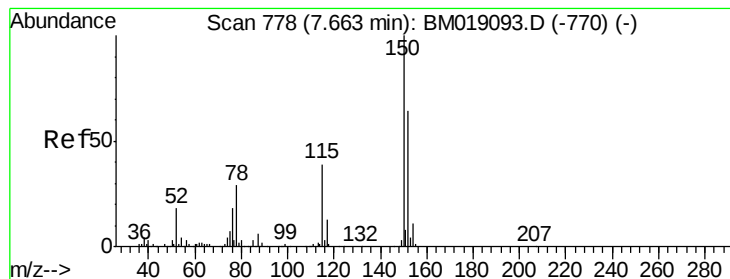
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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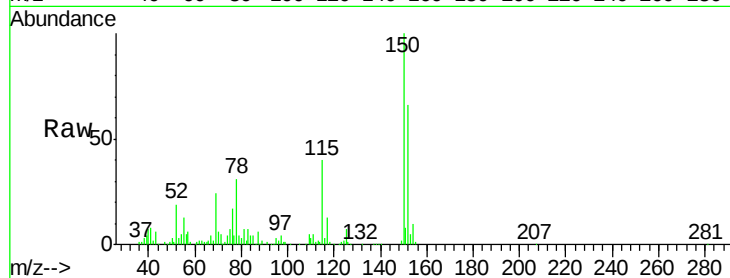


#1

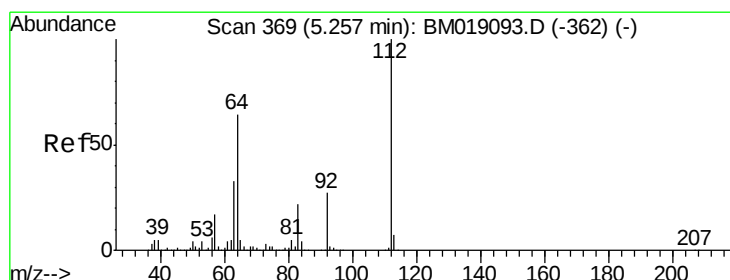
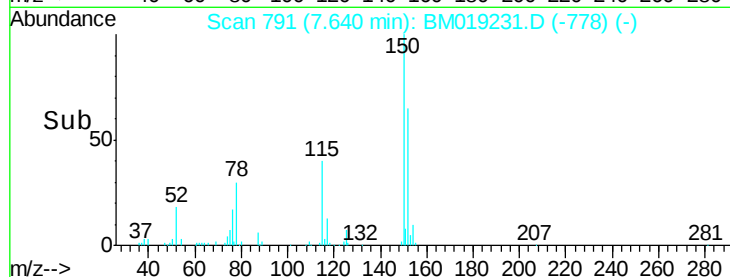
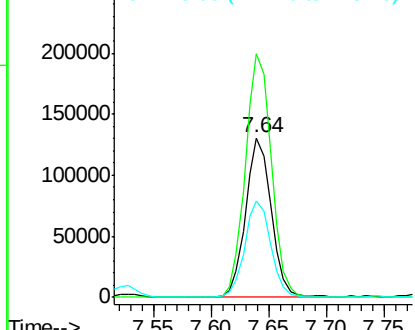
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.64 min Scan# 791
 Delta R.T. -0.02 min
 Lab File: BM019231.D
 Acq: 19 Mar 2019 11:38

Instrument :
 BNA_M
 ClientSampleId :
 P-3-E.WALL-N.CENTER

Tgt Ion:152 Resp: 203062
 Ion Ratio Lower Upper
 152 100
 150 152.5 125.3 187.9
 115 60.5 49.4 74.0



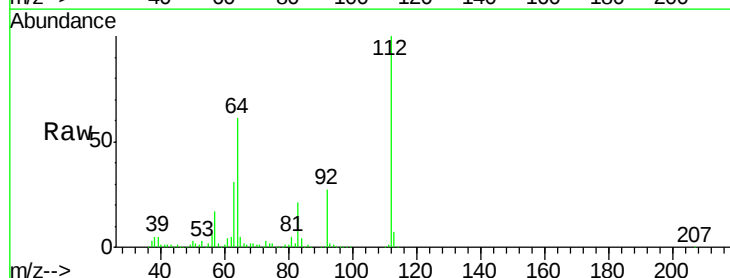
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



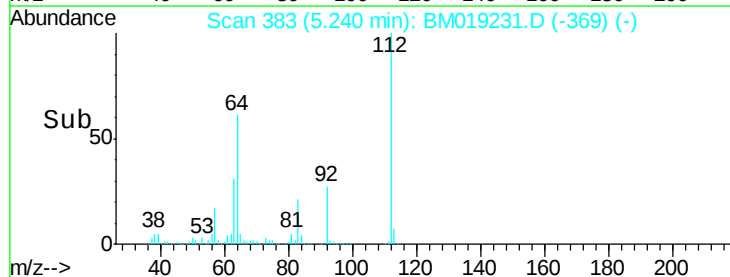
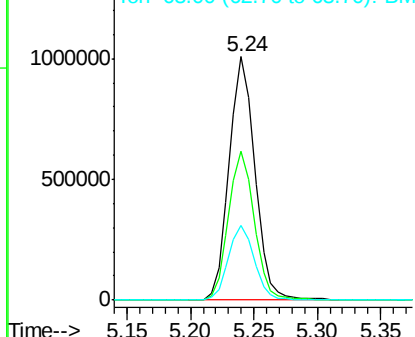
#5

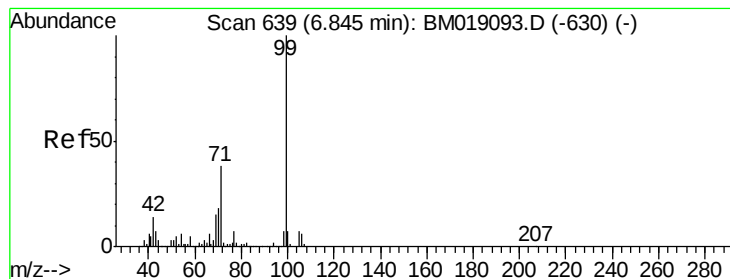
2-Fluorophenol
 Concen: 113.380 ng
 RT: 5.24 min Scan# 383
 Delta R.T. -0.02 min
 Lab File: BM019231.D
 Acq: 19 Mar 2019 11:38

Tgt Ion:112 Resp: 1421640
 Ion Ratio Lower Upper
 112 100
 64 61.3 51.4 77.0
 63 30.7 26.6 40.0



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: 112.541 ng

RT: 6.82 min Scan# 652

Delta R.T. -0.02 min

Lab File: BM019231.D

Acq: 19 Mar 2019 11:38

Instrument :

BNA_M

ClientSampleId :

P-3-E.WALL-N.CENTER

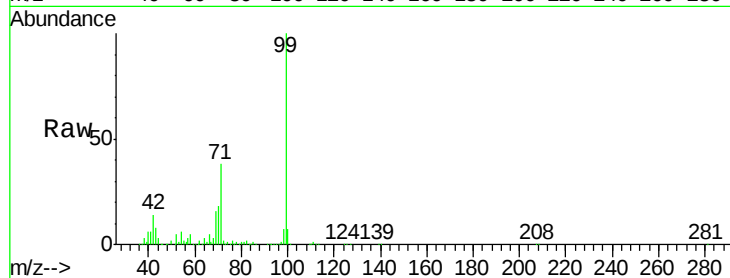
Tgt Ion: 99 Resp: 2064065

Ion Ratio Lower Upper

99 100

42 13.8 10.9 16.3

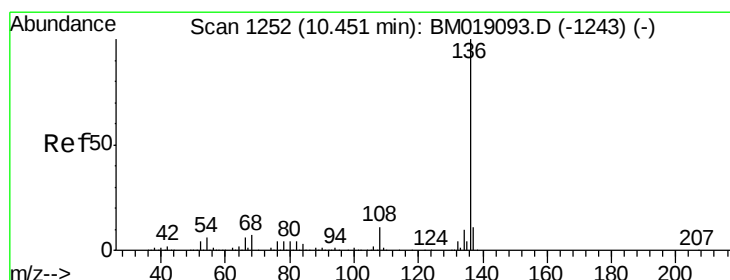
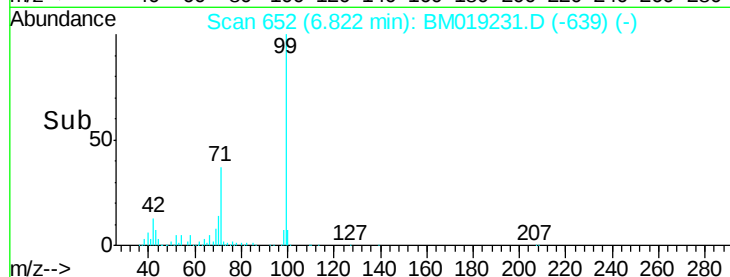
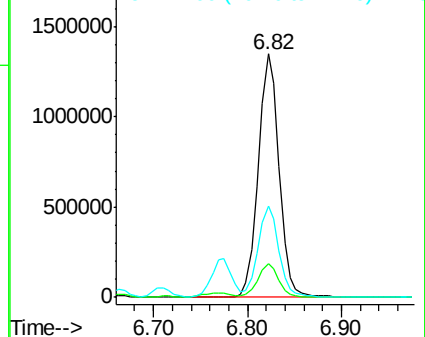
71 37.6 30.3 45.5



Abundance Ion 99.00 (98.70 to 99.70): BM019231.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM019231.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM019231.D (-639) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BM019231.D

Acq: 19 Mar 2019 11:38

Tgt Ion: 136 Resp: 895137

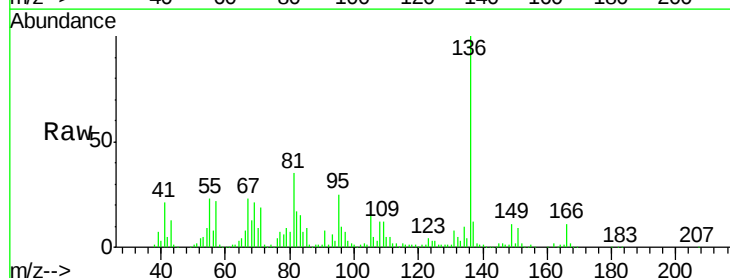
Ion Ratio Lower Upper

136 100

137 12.3 8.6 13.0

54 9.3 5.2 7.8#

68 13.2 5.8 8.8#

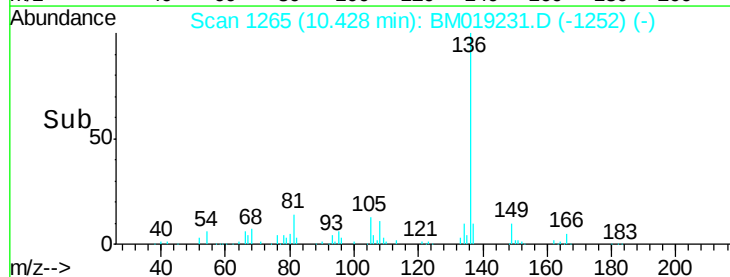
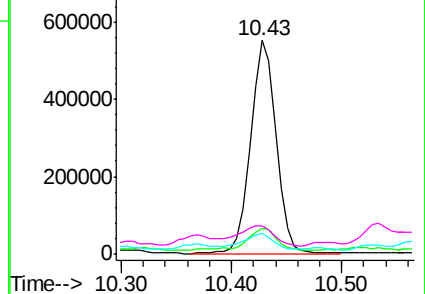


Abundance Ion 136.00 (135.70 to 136.70): BM019231.D (-1252) (-)

Ion 137.00 (136.70 to 137.70): BM019231.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM019231.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM019231.D (-1252) (-)

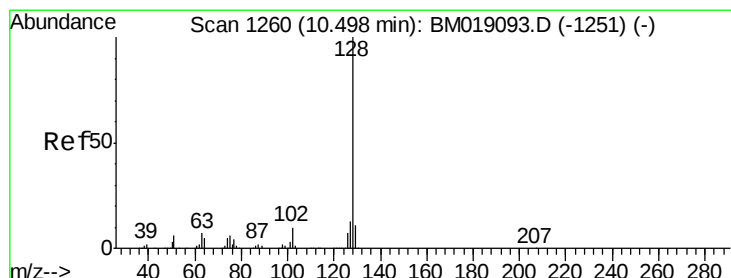
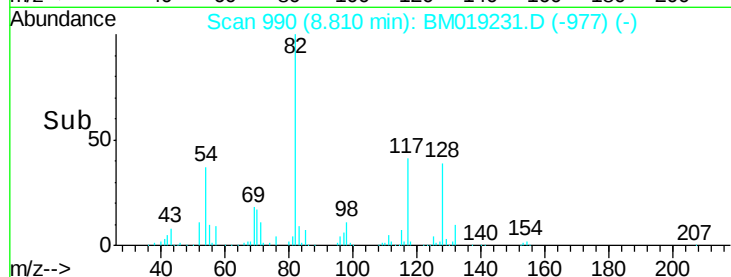
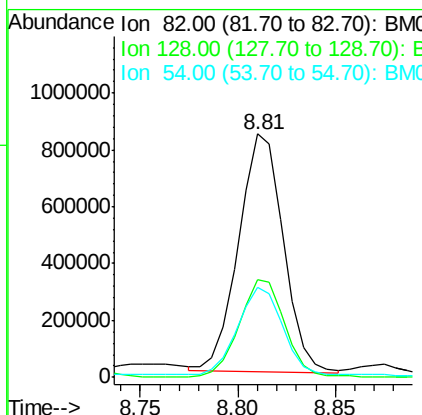
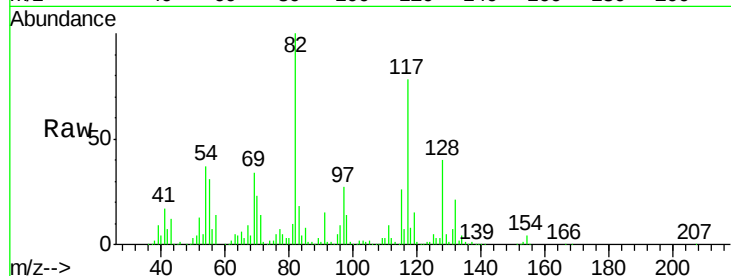




#23
Nitrobenzene-d5
Concen: 70.086 ng
RT: 8.81 min Scan# 990
Delta R.T. -0.02 min
Lab File: BM019231.D
Acq: 19 Mar 2019 11:38

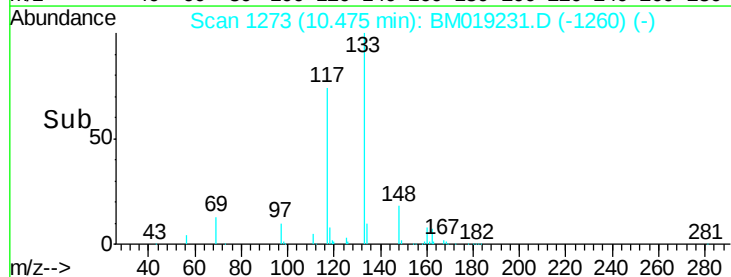
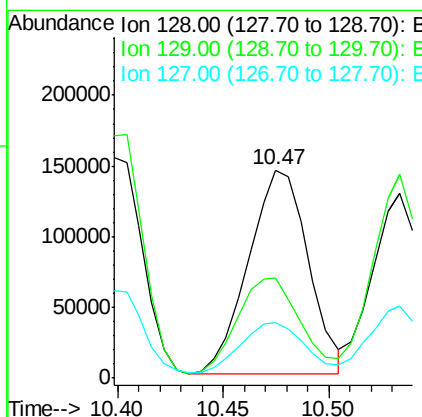
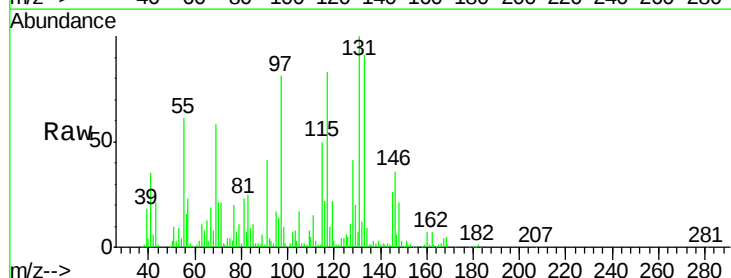
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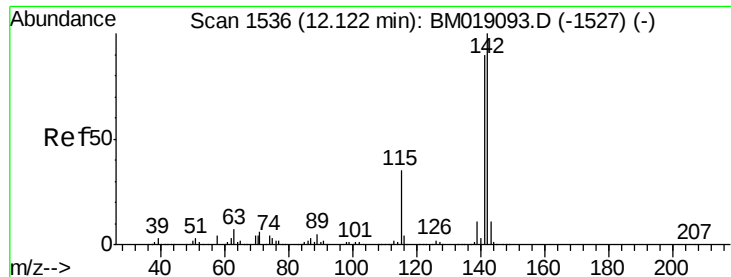
Tgt Ion: 82 Resp: 1327198
Ion Ratio Lower Upper
82 100
128 39.9 29.4 44.2
54 37.1 29.9 44.9



#31
Naphthalene
Concen: 5.989 ng
RT: 10.47 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BM019231.D
Acq: 19 Mar 2019 11:38

Tgt Ion: 128 Resp: 282558
Ion Ratio Lower Upper
128 100
129 48.4 8.6 13.0#
127 26.6 10.4 15.6#

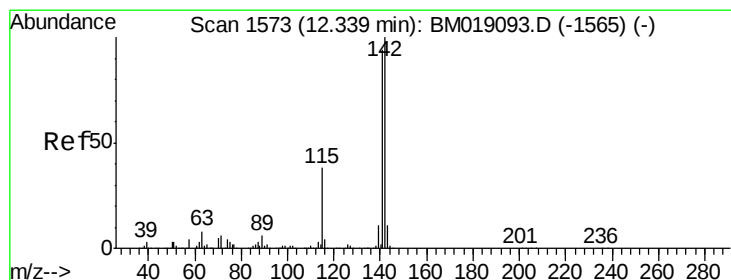
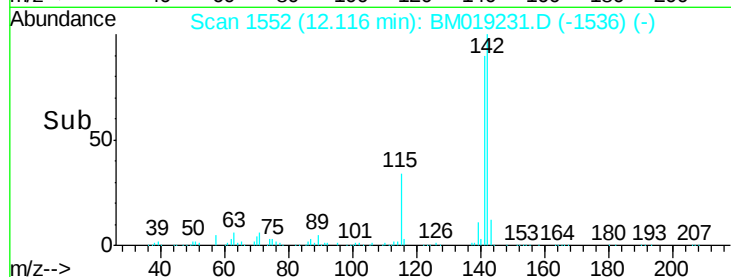
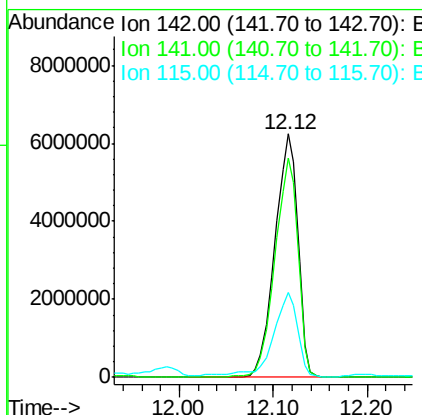
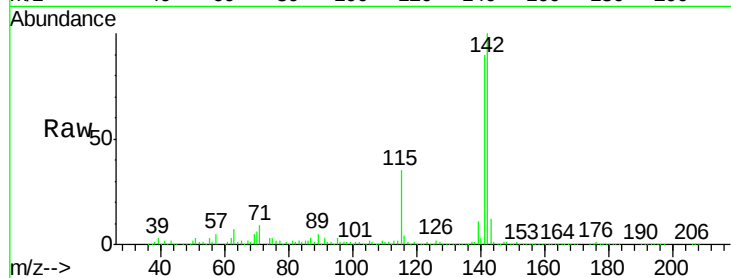




#37
2-Methylnaphthalene
Concen: 308.025 ng
RT: 12.12 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BM019231.D
Acq: 19 Mar 2019 11:38

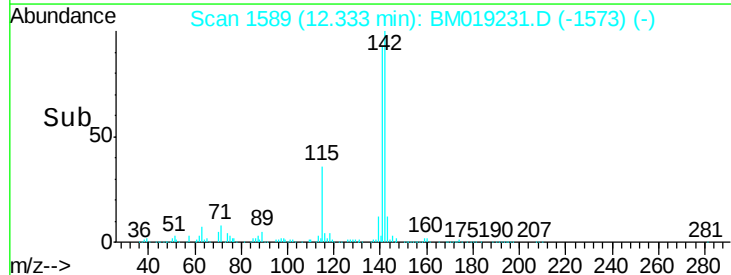
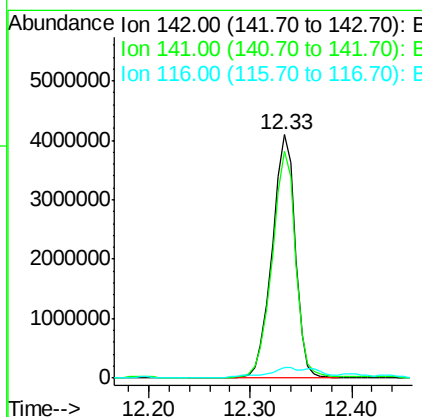
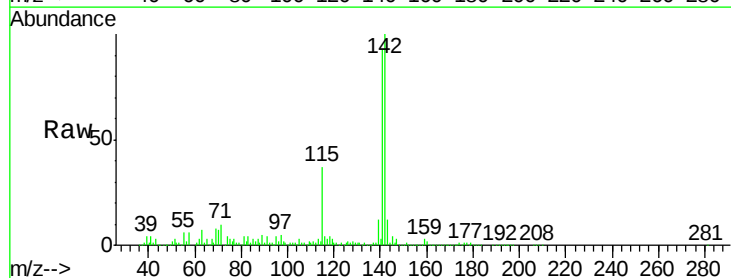
Instrument :
BNA_M
ClientSampleId :
P-3-E.WALL-N.CENTER

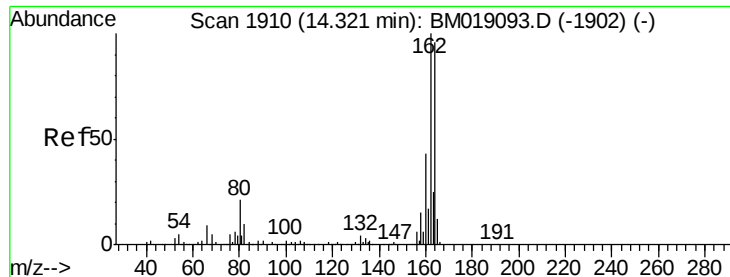
Tgt Ion:142 Resp:10560558
Ion Ratio Lower Upper
142 100
141 89.8 72.3 108.5
115 34.7 27.8 41.8



#38
1-Methylnaphthalene
Concen: 192.786 ng
RT: 12.33 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BM019231.D
Acq: 19 Mar 2019 11:38

Tgt Ion:142 Resp: 6514870
Ion Ratio Lower Upper
142 100
141 93.3 74.9 112.3
116 4.2 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: BM019231.D

Acq: 19 Mar 2019 11:38

Instrument :

BNA_M

ClientSampleId :

P-3-E.WALL-N.CENTER

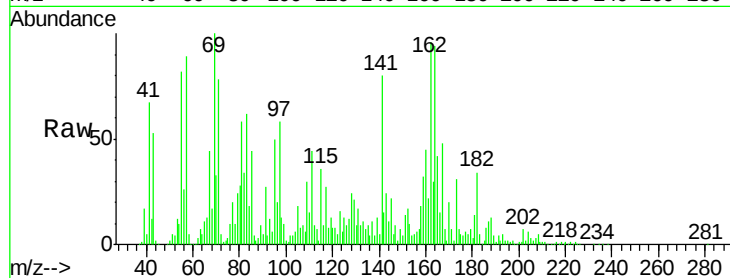
Tgt Ion:164 Resp: 607310

Ion Ratio Lower Upper

164 100

162 101.4 83.5 125.3

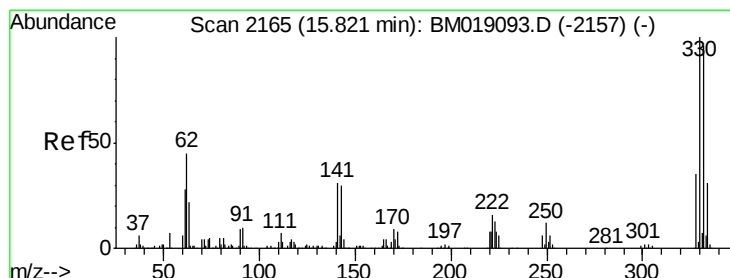
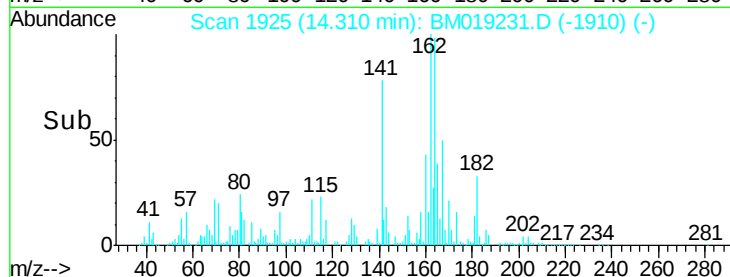
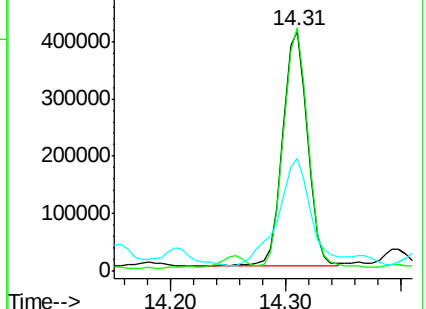
160 47.3 36.3 54.5



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: 117.241 ng

RT: 15.82 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BM019231.D

Acq: 19 Mar 2019 11:38

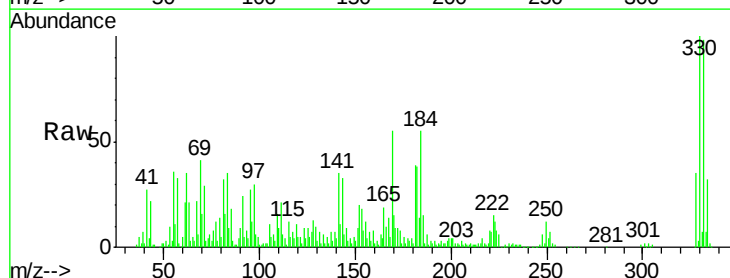
Tgt Ion:330 Resp: 1051271

Ion Ratio Lower Upper

330 100

332 96.9 76.8 115.2

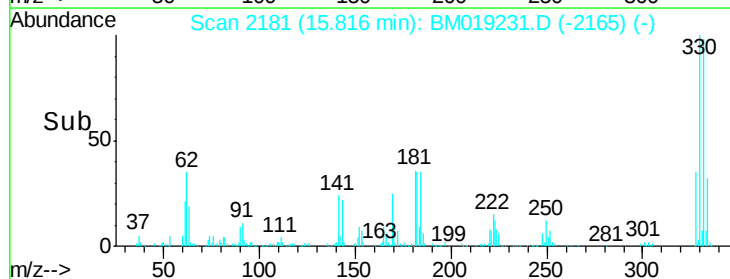
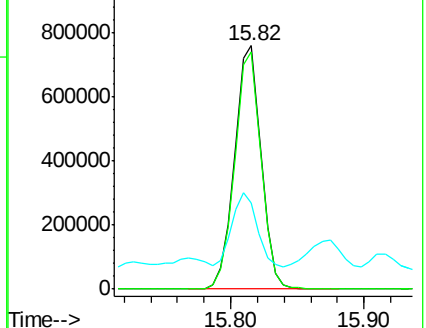
141 28.8 27.0 40.4

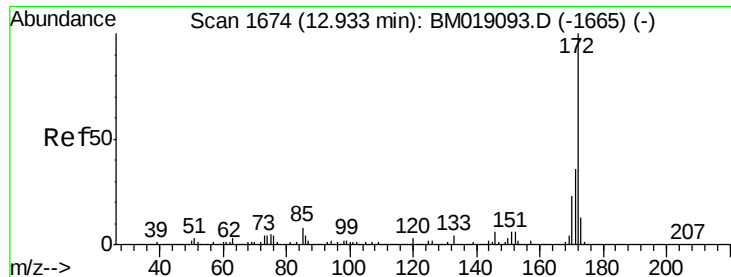


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

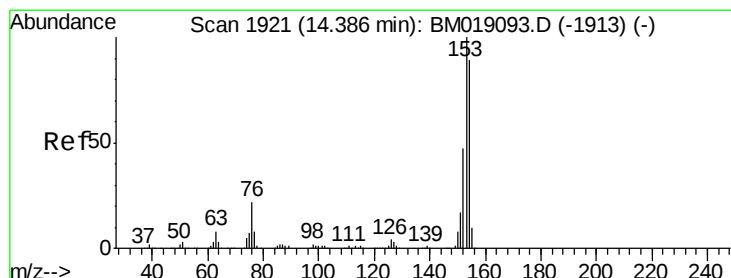
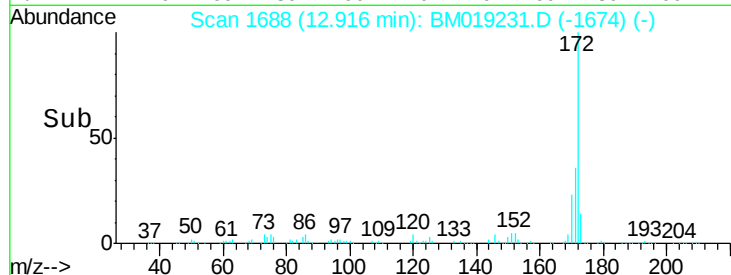
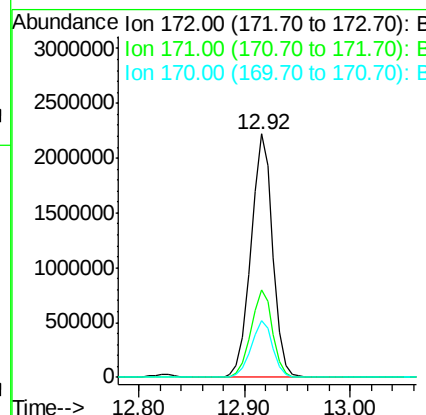
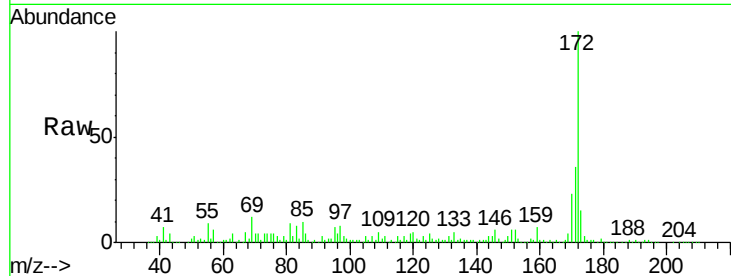




#45
2-Fluorobiphenyl
Concen: 67.552 ng
RT: 12.92 min Scan# 1688
Delta R.T. -0.02 min
Lab File: BM019231.D
Acq: 19 Mar 2019 11:38

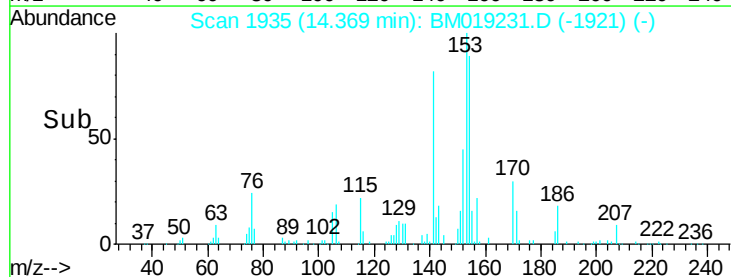
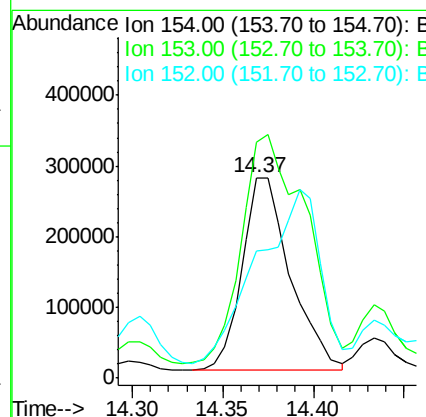
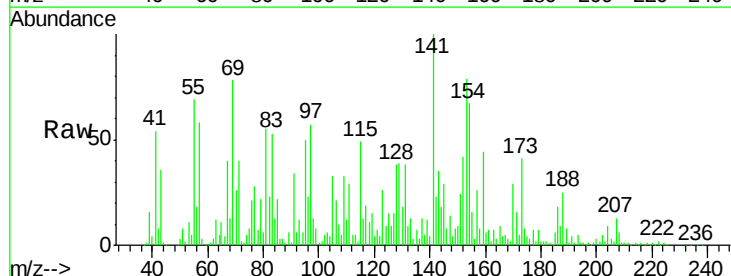
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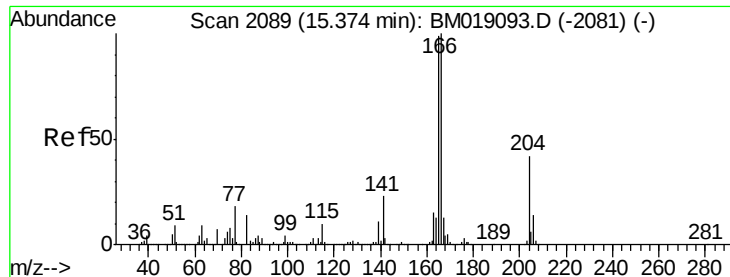
Tgt Ion:172 Resp: 3153917
Ion Ratio Lower Upper
172 100
171 36.2 28.6 42.8
170 23.4 18.6 28.0



#52
Acenaphthene
Concen: 13.210 ng
RT: 14.37 min Scan# 1935
Delta R.T. -0.02 min
Lab File: BM019231.D
Acq: 19 Mar 2019 11:38

Tgt Ion:154 Resp: 508097
Ion Ratio Lower Upper
154 100
153 117.3 90.1 135.1
152 63.2 42.5 63.7





#58

Fluorene

Concen: 25.613 ng

RT: 15.36 min Scan# 2104

Delta R.T. -0.01 min

Lab File: BM019231.D

Acq: 19 Mar 2019 11:38

Instrument :

BNA_M

ClientSampleId :

P-3-E.WALL-N.CENTER

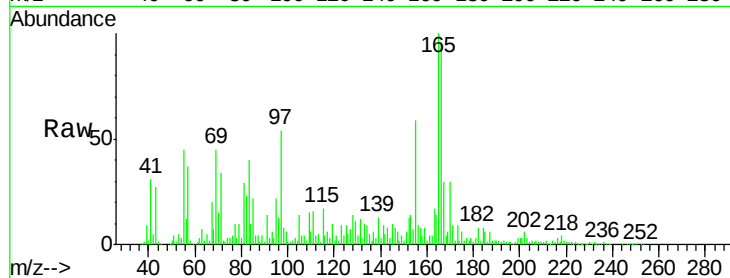
Tgt Ion:166 Resp: 1309600

Ion Ratio Lower Upper

166 100

165 103.7 79.0 118.4

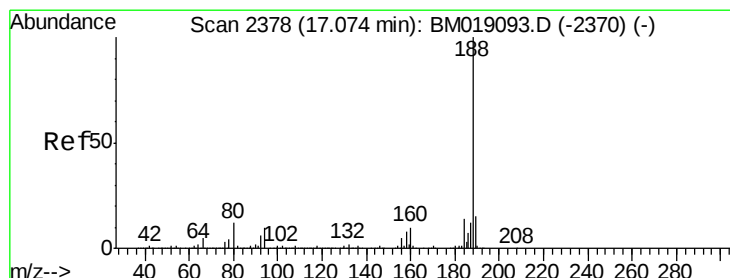
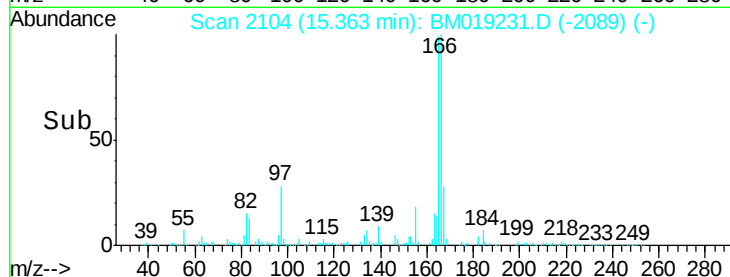
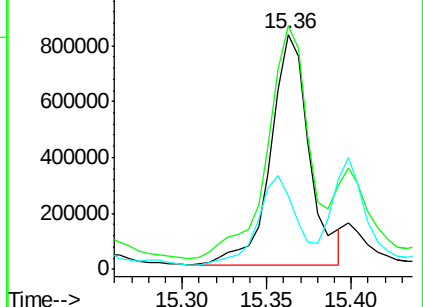
167 31.0 10.8 16.2#



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: BM019231.D

Acq: 19 Mar 2019 11:38

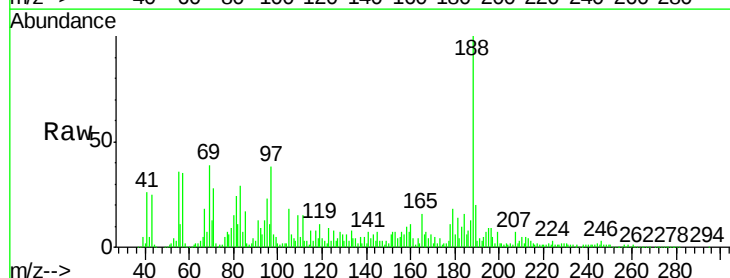
Tgt Ion:188 Resp: 1202035

Ion Ratio Lower Upper

188 100

94 12.9 8.1 12.1#

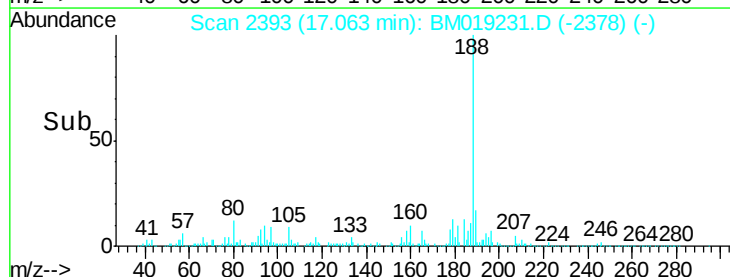
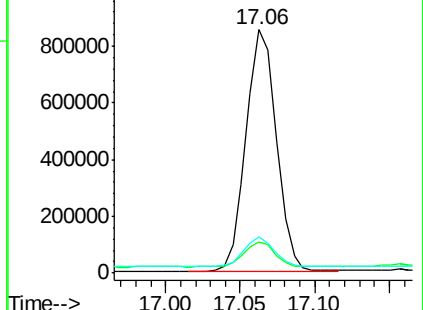
80 14.8 9.7 14.5#

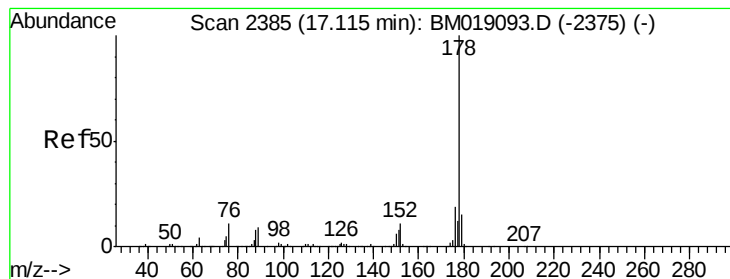


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#71

Phenanthrene

Concen: 57.225 ng

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BM019231.D

Acq: 19 Mar 2019 11:38

Instrument :

BNA_M

ClientSampleId :

P-3-E.WALL-N.CENTER

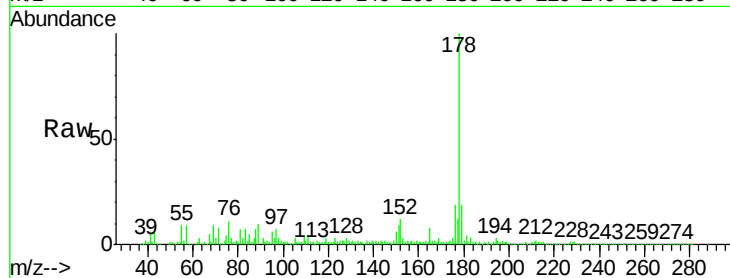
Tgt Ion:178 Resp: 4031794

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

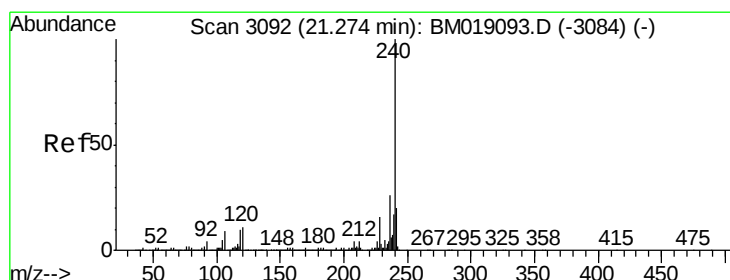
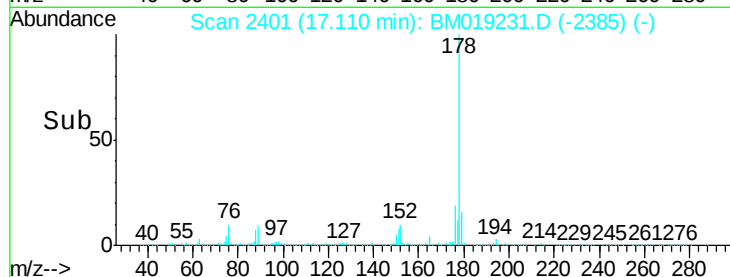
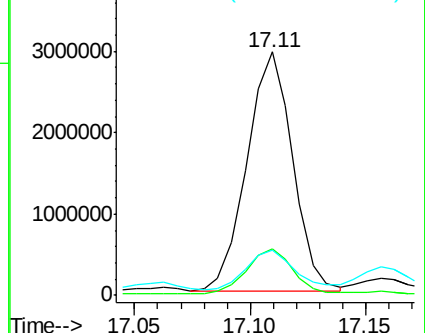
179 18.5 12.2 18.2#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.02 min

Lab File: BM019231.D

Acq: 19 Mar 2019 11:38

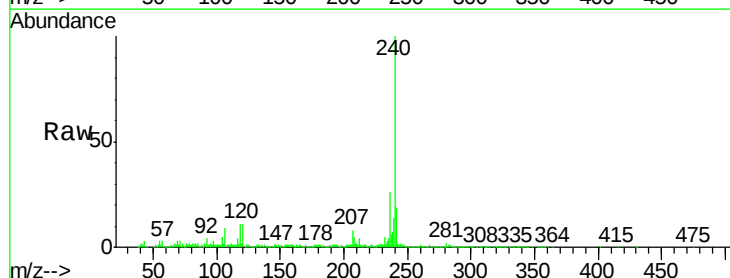
Tgt Ion:240 Resp: 907590

Ion Ratio Lower Upper

240 100

120 11.4 8.9 13.3

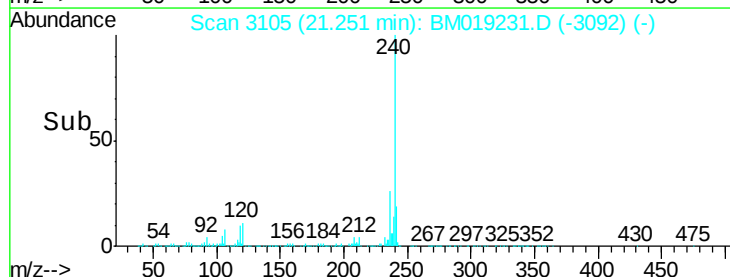
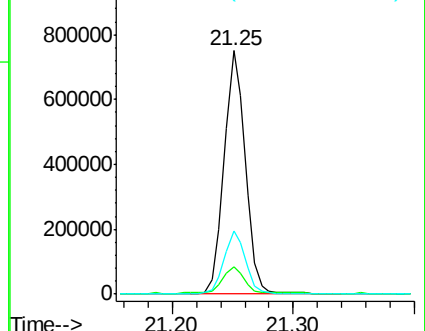
236 25.9 21.0 31.4

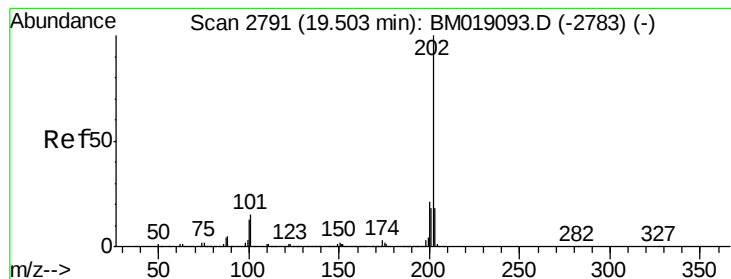


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 13.507 ng

RT: 19.49 min Scan# 2806

Delta R.T. -0.01 min

Lab File: BM019231.D

Acq: 19 Mar 2019 11:38

Instrument :

BNA_M

ClientSampleId :

P-3-E.WALL-N.CENTER

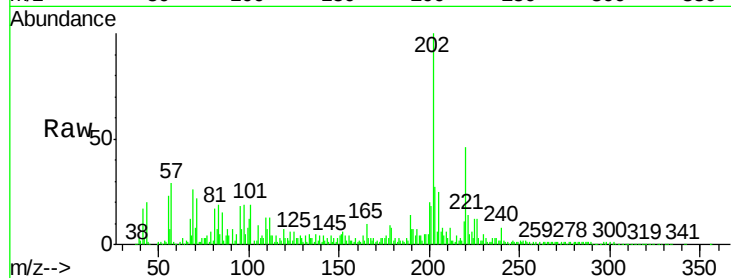
Tgt Ion:202 Resp: 775630

Ion Ratio Lower Upper

202 100

200 20.1 16.9 25.3

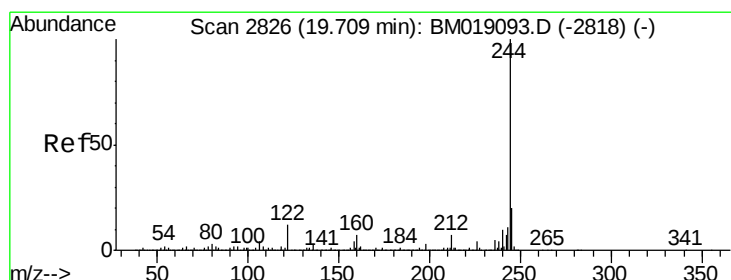
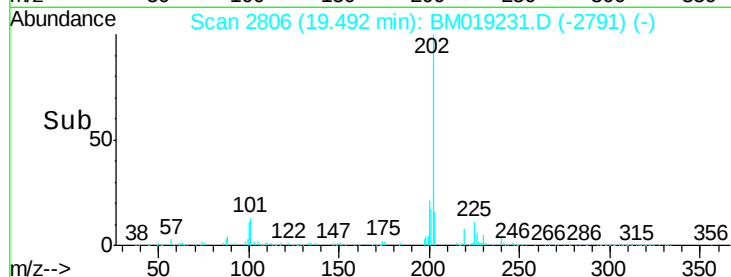
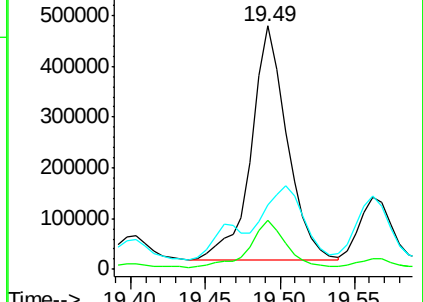
203 26.6 14.0 21.0#



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: 88.165 ng

RT: 19.70 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BM019231.D

Acq: 19 Mar 2019 11:38

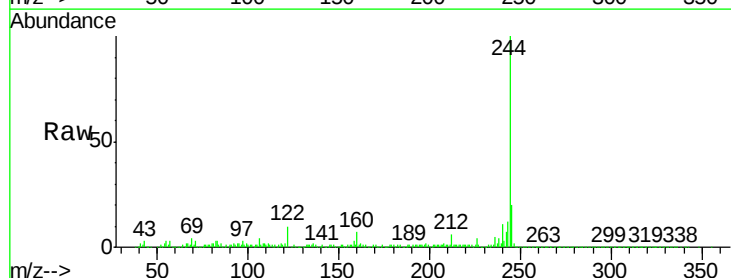
Tgt Ion:244 Resp: 4030672

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

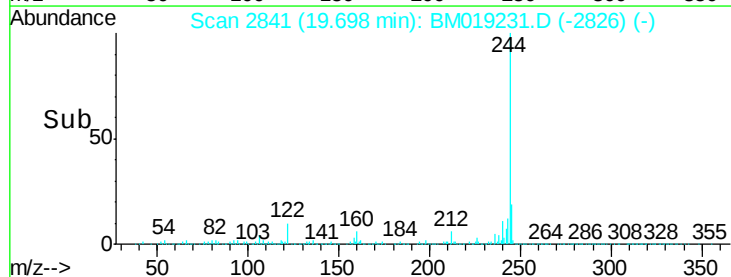
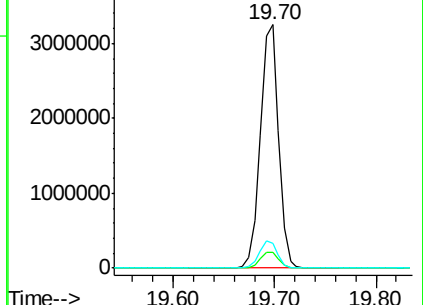
122 10.1 9.4 14.2

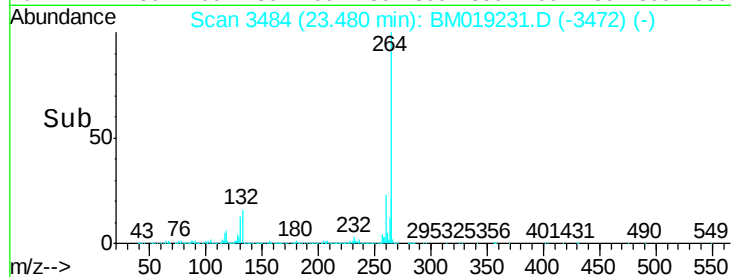
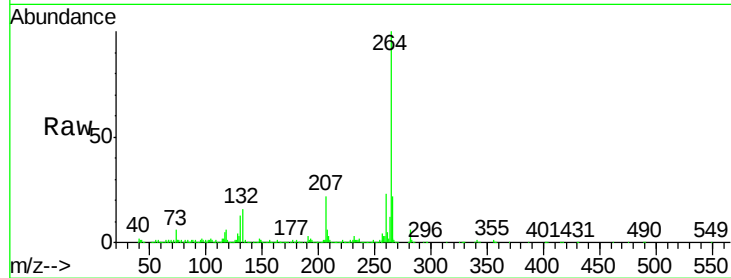
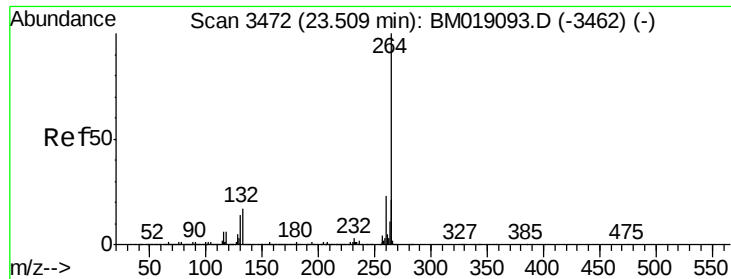


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.48 min Scan# 3484

Delta R.T. -0.03 min

Lab File: BM019231.D

Acq: 19 Mar 2019 11:38

Instrument :

BNA_M

ClientSampleId :

P-3-E.WALL-N.CENTER

Tgt Ion:264 Resp: 877835

Ion Ratio Lower Upper

264 100

260 22.9 18.6 28.0

265 21.8 17.3 25.9

