

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM031919\
 Data File : BM019233.D
 Acq On : 19 Mar 2019 12:51
 Operator : JU/SJ
 Sample : K1970-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P-7-WEST-WALL-SOUTH

Quant Time: Mar 19 13:42:41 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

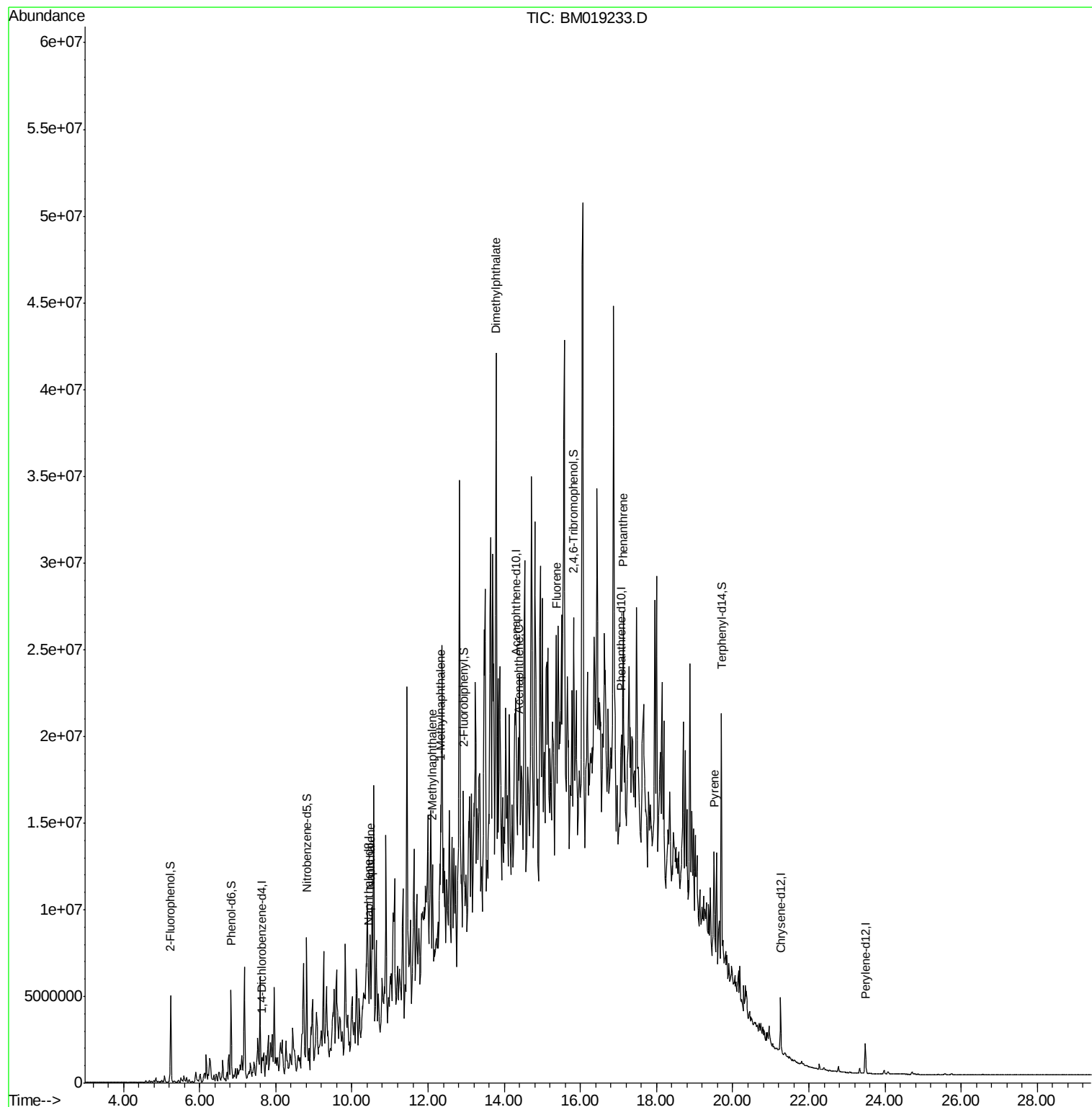
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	268570	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	1181871	20.00	ng	0.01
39) Acenaphthene-d10	14.32	164	901627	20.00	ng	0.02
64) Phenanthrene-d10	17.07	188	1766080	20.00	ng	0.02
76) Chrysene-d12	21.26	240	1306608	20.00	ng	0.00
87) Perylene-d12	23.48	264	1225122	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	2060665	124.26	ng	0.00
7) Phenol-d6	6.83	99	2987769	123.17	ng	0.00
23) Nitrobenzene-d5	8.82	82	1953138	78.12	ng	0.00
42) 2,4,6-Tribromophenol	15.83	330	1718042	129.06	ng	0.03
45) 2-Fluorobiphenyl	12.92	172	4571854	65.96	ng	0.01
79) Terphenyl-d14	19.70	244	6169241	93.73	ng	0.01
Target Compounds						
31) Naphthalene	10.48	128	794130	12.748	ng	# 74
37) 2-Methylnaphthalene	12.12	142	3541345	78.232	ng	# 100
38) 1-Methylnaphthalene	12.33	142	3418787	76.623	ng	# 100
50) Dimethylphthalate	13.77	163	524256	6.797	ng	# 89
52) Acenaphthene	14.38	154	583476	10.218	ng	# 86
58) Fluorene	15.37	166	1623034	21.382	ng	# 84
71) Phenanthrene	17.12	178	6908644	66.740	ng	# 96
78) Pyrene	19.50	202	1567092	18.956	ng	# 85

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

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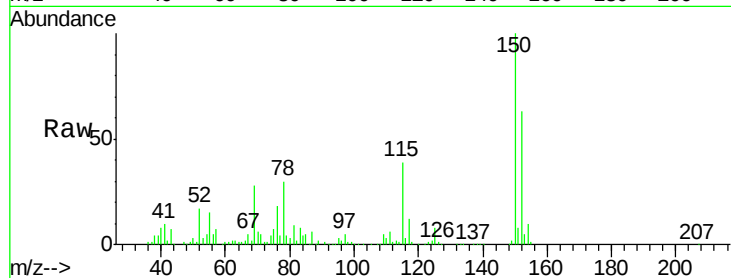


#1

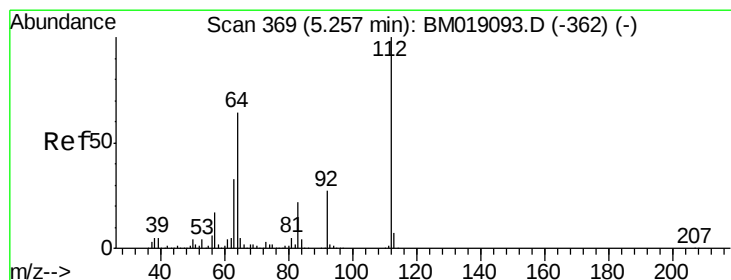
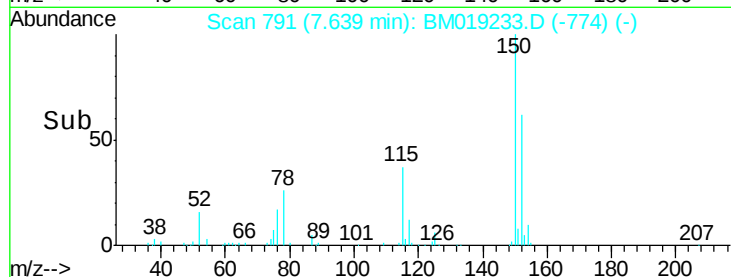
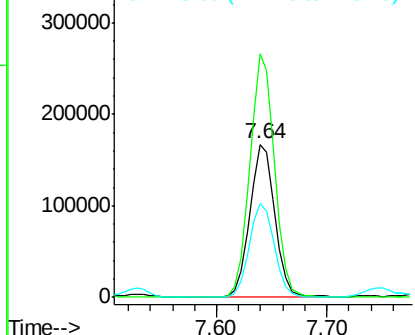
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.64 min Scan# 791
Delta R.T. -0.00 min
Lab File: BM019233.D
Acq: 19 Mar 2019 12:51

Instrument :
BNA_M
ClientSampleId :
P-7-WEST-WALL-SOUTH

Tgt Ion:152 Resp: 268570
Ion Ratio Lower Upper
152 100
150 158.8 124.6 187.0
115 61.3 48.2 72.4



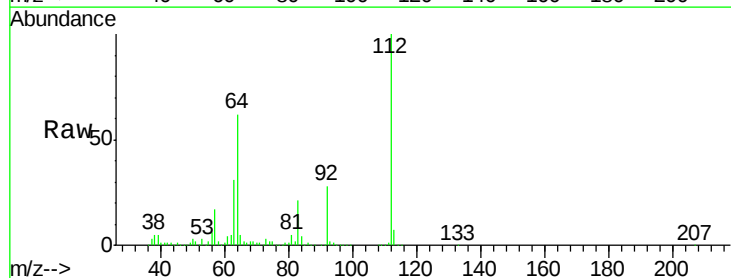
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



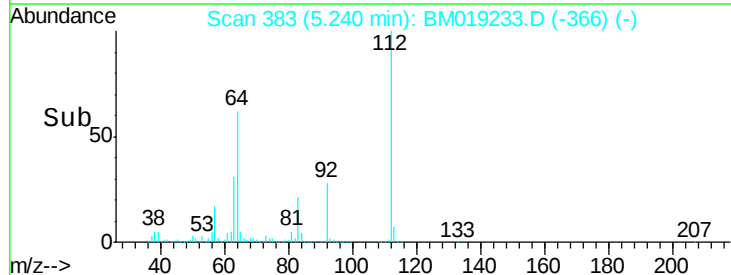
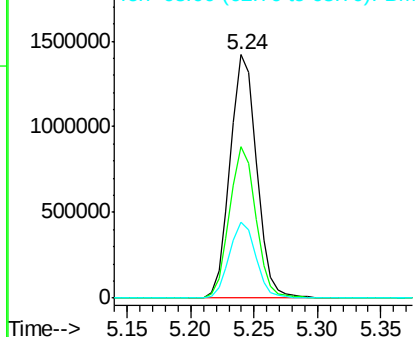
#5

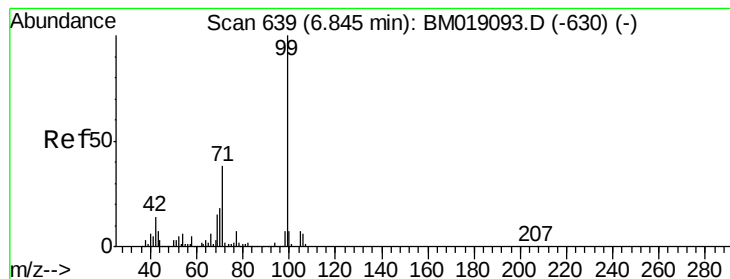
2-Fluorophenol
Concen: 124.258 ng
RT: 5.24 min Scan# 383
Delta R.T. -0.00 min
Lab File: BM019233.D
Acq: 19 Mar 2019 12:51

Tgt Ion:112 Resp: 2060665
Ion Ratio Lower Upper
112 100
64 62.4 49.0 73.6
63 31.2 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: 123.171 ng

RT: 6.83 min Scan# 653

Delta R.T. 0.01 min

Lab File: BM019233.D

Acq: 19 Mar 2019 12:51

Instrument :

BNA_M

ClientSampleId :

P-7-WEST-WALL-SOUTH

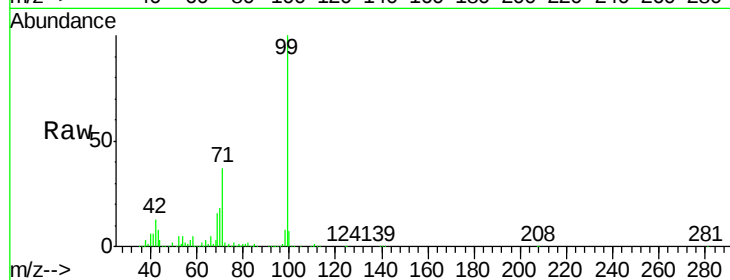
Tgt Ion: 99 Resp: 2987769

Ion Ratio Lower Upper

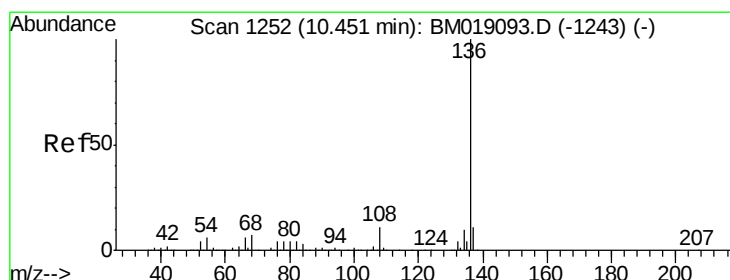
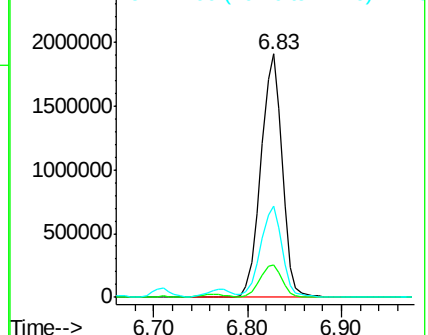
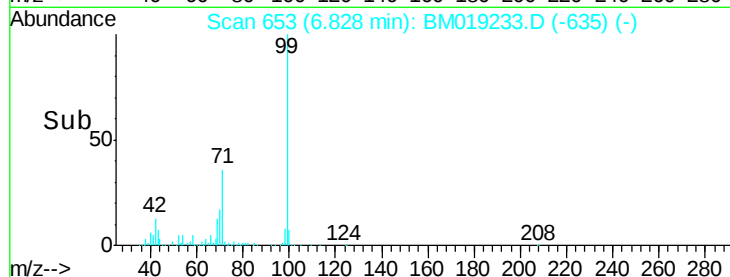
99 100

42 13.5 10.8 16.2

71 37.5 30.1 45.1



Abundance Ion 99.00 (98.70 to 99.70): BM019233.D (-635) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1266

Delta R.T. 0.01 min

Lab File: BM019233.D

Acq: 19 Mar 2019 12:51

Tgt Ion: 136 Resp: 1181871

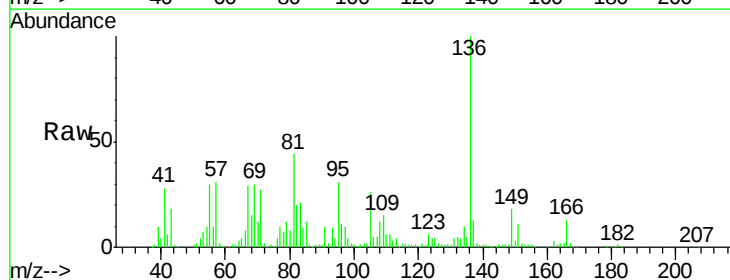
Ion Ratio Lower Upper

136 100

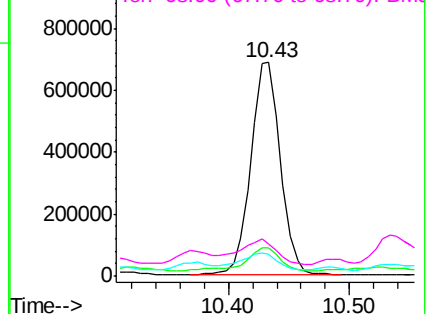
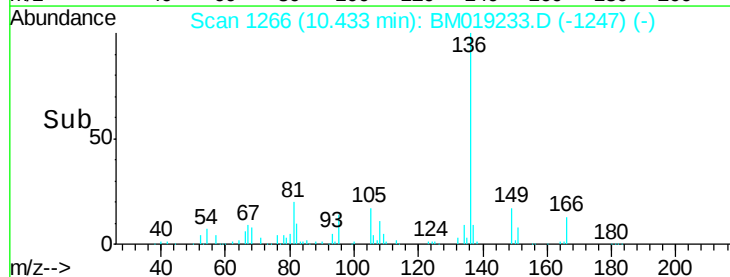
137 13.2 9.0 13.4

54 10.2 5.2 7.8#

68 14.9 6.1 9.1#



Abundance Ion 136.00 (135.70 to 136.70): BM019233.D (-1247) (-)





#23

Nitrobenzene-d5

Concen: 78.118 ng

RT: 8.82 min Scan# 991

Delta R.T. 0.01 min

Lab File: BM019233.D

Acq: 19 Mar 2019 12:51

Instrument :

BNA_M

ClientSampleId :

P-7-WEST-WALL-SOUTH

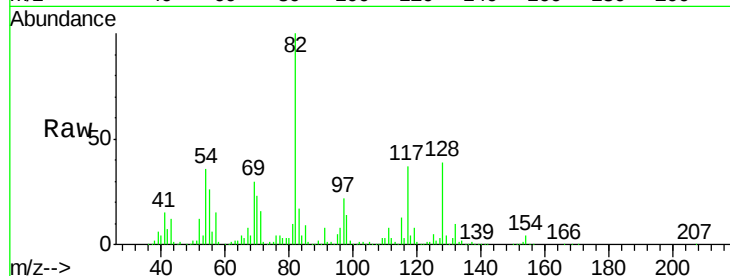
Tgt Ion: 82 Resp: 1953138

Ion Ratio Lower Upper

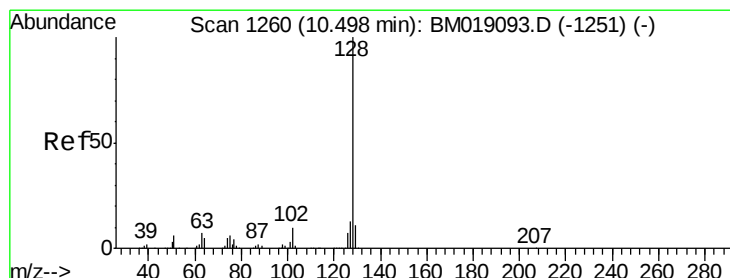
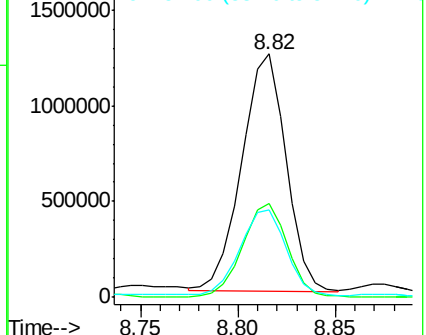
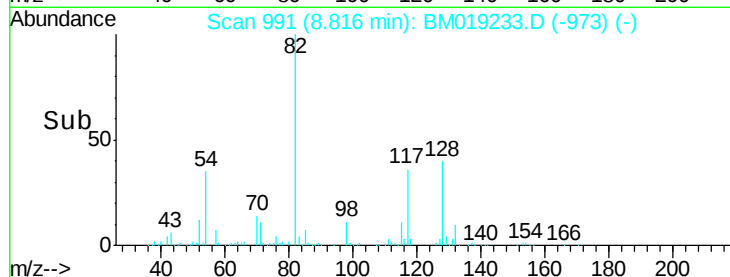
82 100

128 38.8 30.2 45.4

54 35.9 29.0 43.4



Abundance Ion 82.00 (81.70 to 82.70): BM019233.D (-973) (-)



#31

Naphthalene

Concen: 12.748 ng

RT: 10.48 min Scan# 1274

Delta R.T. 0.01 min

Lab File: BM019233.D

Acq: 19 Mar 2019 12:51

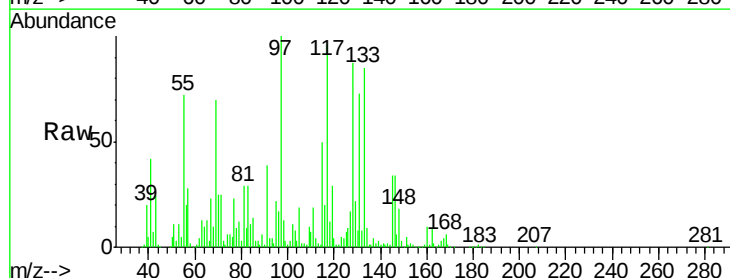
Tgt Ion: 128 Resp: 794130

Ion Ratio Lower Upper

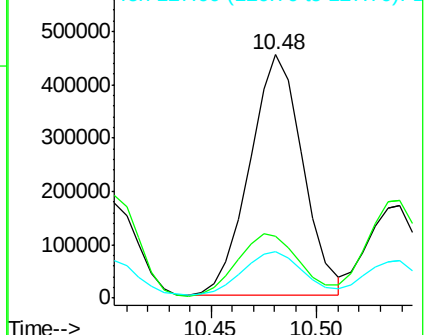
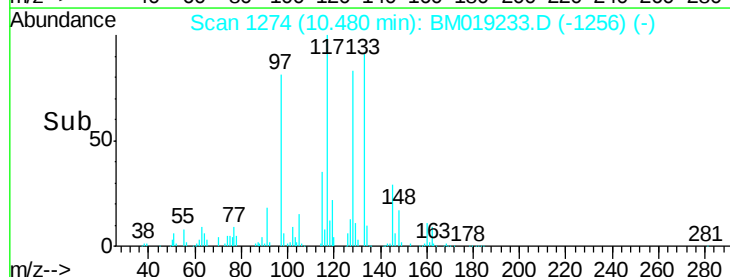
128 100

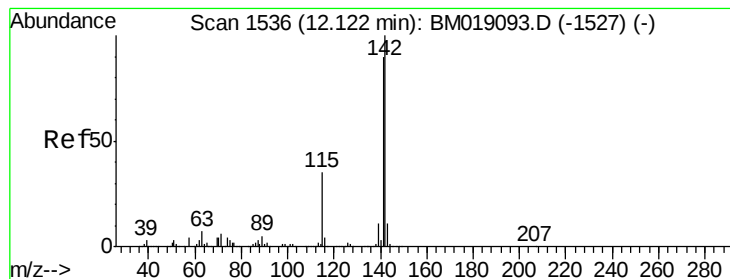
129 25.6 8.6 12.8#

127 19.1 10.6 15.8#



Abundance Ion 128.00 (127.70 to 128.70): BM019233.D (-1256) (-)





#37

2-Methylnaphthalene

Concen: 78.232 ng

RT: 12.12 min Scan# 1552

Delta R.T. 0.02 min

Lab File: BM019233.D

Acq: 19 Mar 2019 12:51

Instrument :

BNA_M

ClientSampleId :

P-7-WEST-WALL-SOUTH

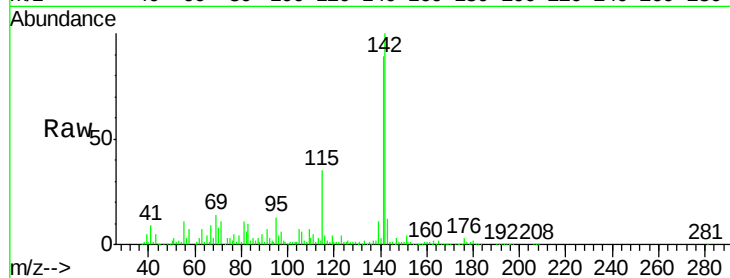
Tgt Ion:142 Resp: 3541345

Ion Ratio Lower Upper

142 100

141 89.3 71.4 107.0

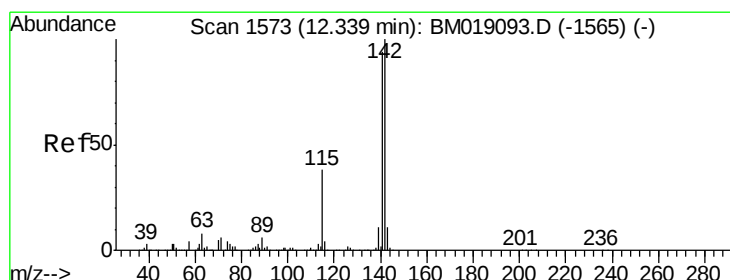
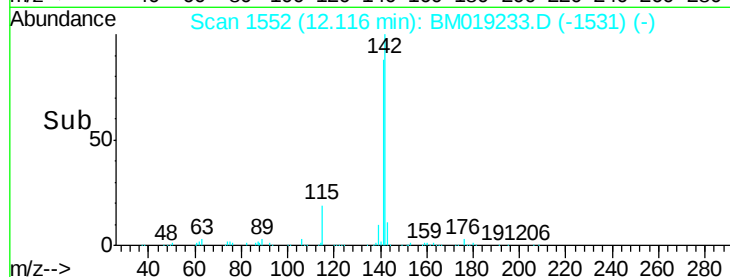
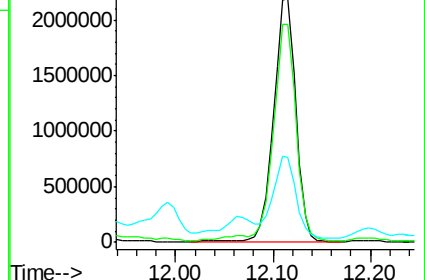
115 34.8 28.0 42.0



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: 76.623 ng

RT: 12.33 min Scan# 1589

Delta R.T. 0.02 min

Lab File: BM019233.D

Acq: 19 Mar 2019 12:51

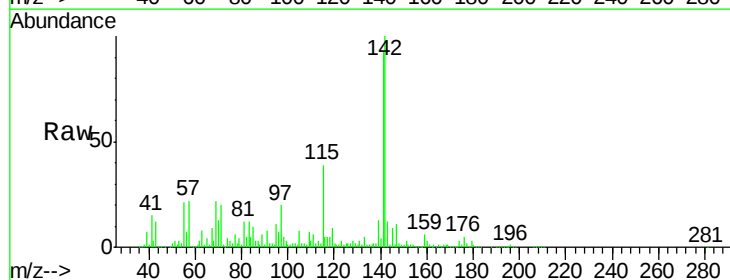
Tgt Ion:142 Resp: 3418787

Ion Ratio Lower Upper

142 100

141 93.2 74.7 112.1

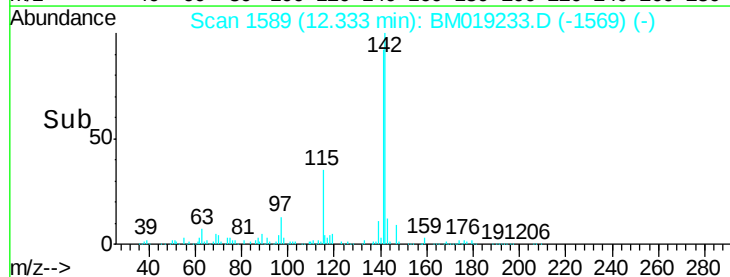
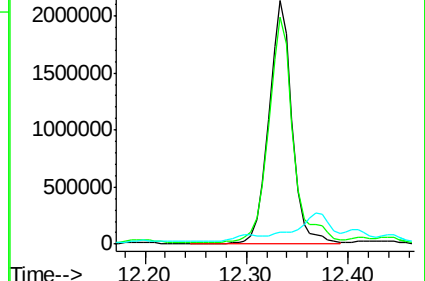
116 5.1 3.1 4.7#

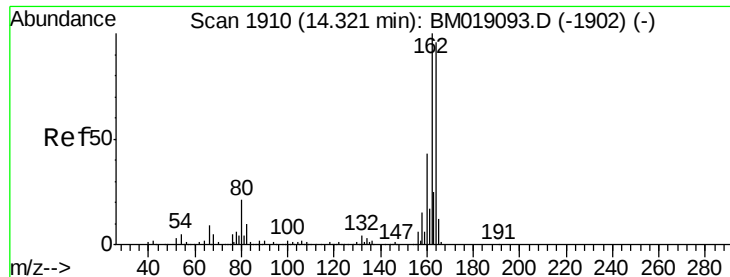


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.32 min Scan# 1926

Delta R.T. 0.02 min

Lab File: BM019233.D

Acq: 19 Mar 2019 12:51

Instrument :

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ClientSampleId :

P-7-WEST-WALL-SOUTH

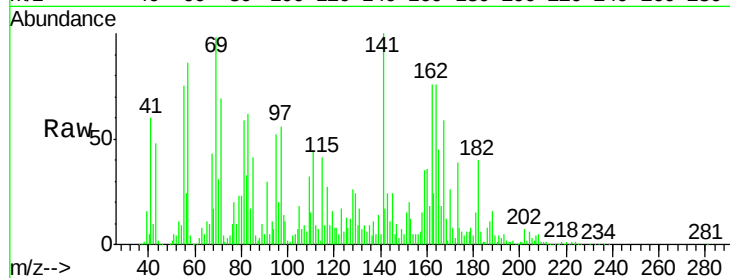
Tgt Ion:164 Resp: 901627

Ion Ratio Lower Upper

164 100

162 99.5 83.8 125.6

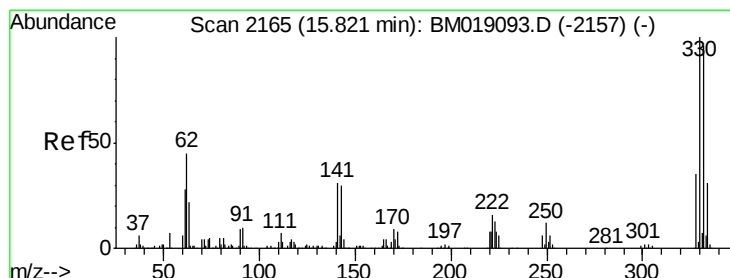
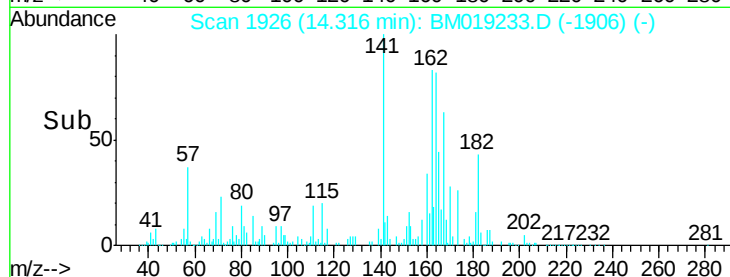
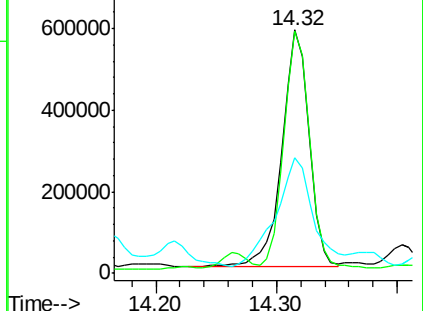
160 47.2 36.7 55.1



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: 129.058 ng

RT: 15.83 min Scan# 2183

Delta R.T. 0.03 min

Lab File: BM019233.D

Acq: 19 Mar 2019 12:51

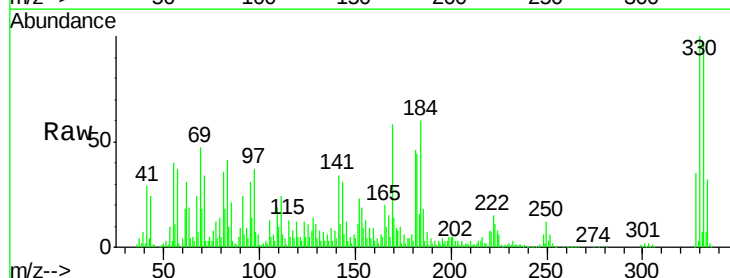
Tgt Ion:330 Resp: 1718042

Ion Ratio Lower Upper

330 100

332 97.1 77.6 116.4

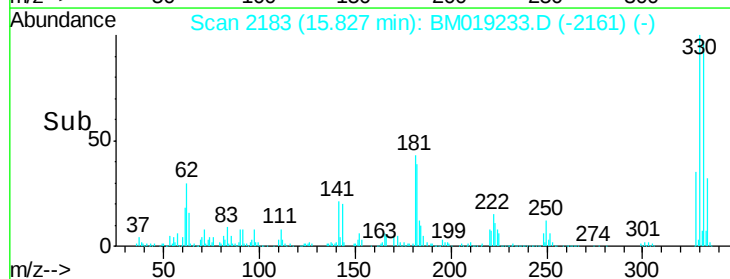
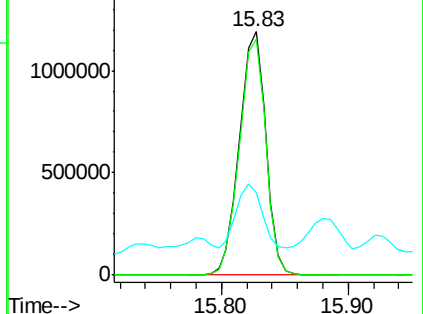
141 25.2 26.2 39.2#

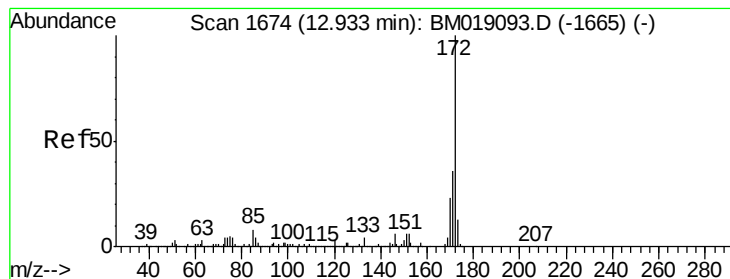


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 65.957 ng

RT: 12.92 min Scan# 1689

Delta R.T. 0.01 min

Lab File: BM019233.D

Acq: 19 Mar 2019 12:51

Instrument :

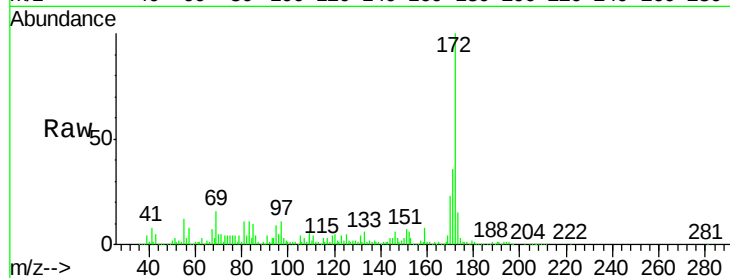
BNA_M

ClientSampleId :

P-7-WEST-WALL-SOUTH

Tgt Ion:172 Resp: 4571854

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.9	43.3
170	23.4	18.9	28.3

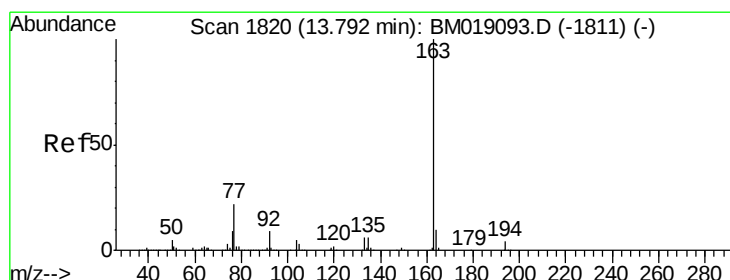
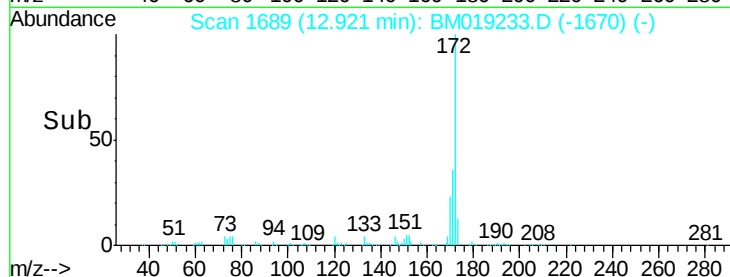
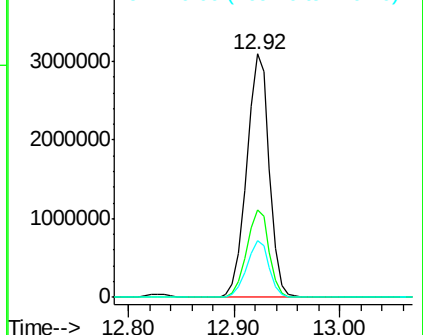


Abundance

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



#50

Dimethylphthalate

Concen: 6.797 ng

RT: 13.77 min Scan# 1834

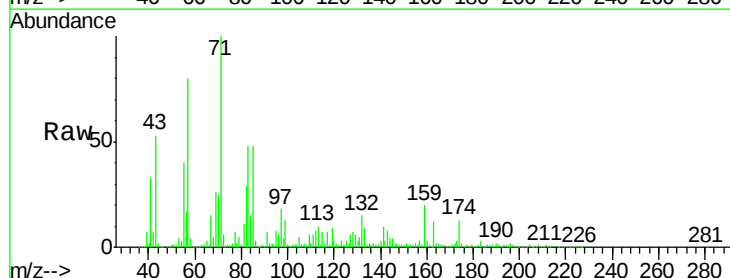
Delta R.T. 0.01 min

Lab File: BM019233.D

Acq: 19 Mar 2019 12:51

Tgt Ion:163 Resp: 524256

Ion	Ratio	Lower	Upper
163	100		
194	8.7	3.2	4.8#
164	13.5	7.9	11.9#

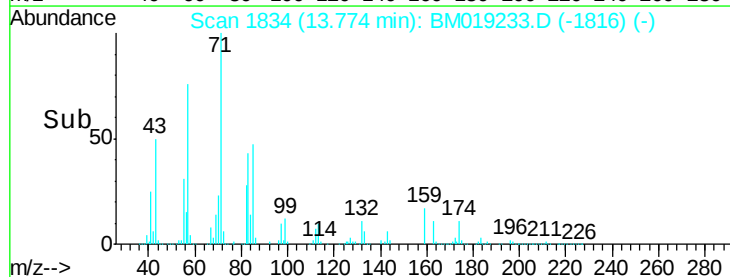
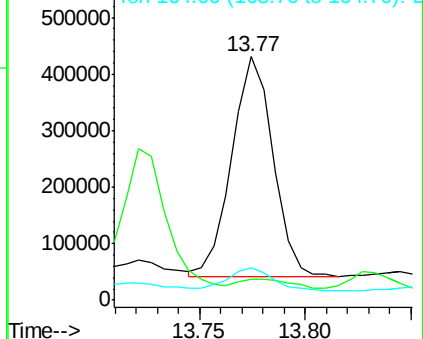


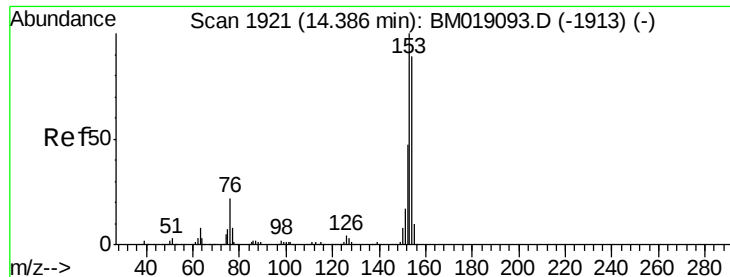
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 10.218 ng

RT: 14.38 min Scan# 1937

Delta R.T. 0.02 min

Lab File: BM019233.D

Acq: 19 Mar 2019 12:51

Instrument :

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P-7-WEST-WALL-SOUTH

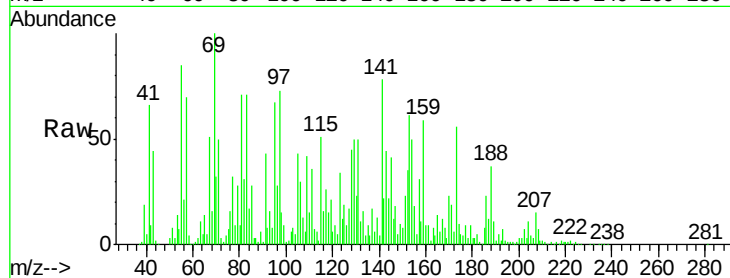
Tgt Ion:154 Resp: 583476

Ion Ratio Lower Upper

154 100

153 123.9 90.9 136.3

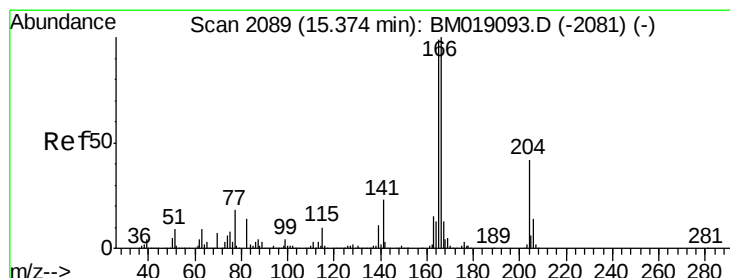
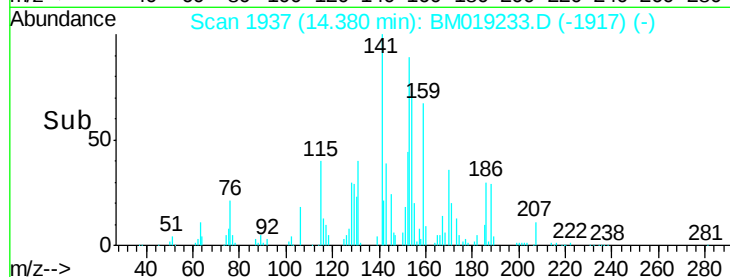
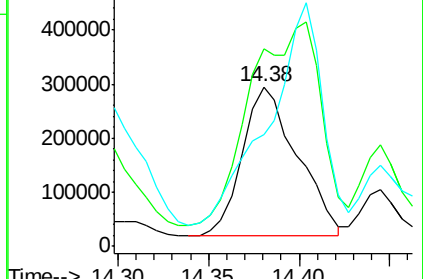
152 70.5 42.3 63.5#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 21.382 ng

RT: 15.37 min Scan# 2106

Delta R.T. 0.02 min

Lab File: BM019233.D

Acq: 19 Mar 2019 12:51

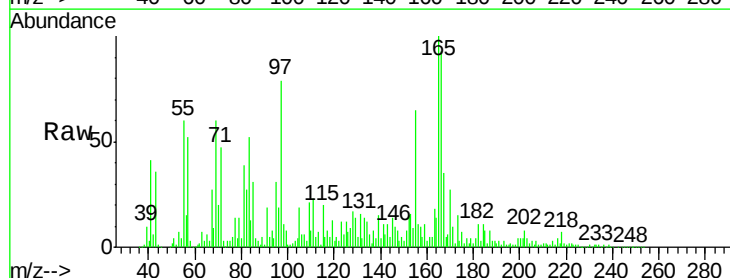
Tgt Ion:166 Resp: 1623034

Ion Ratio Lower Upper

166 100

165 107.3 78.4 117.6

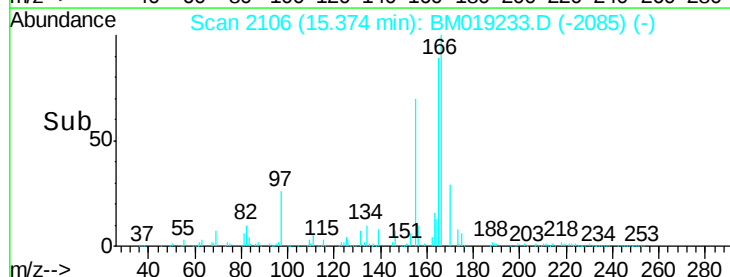
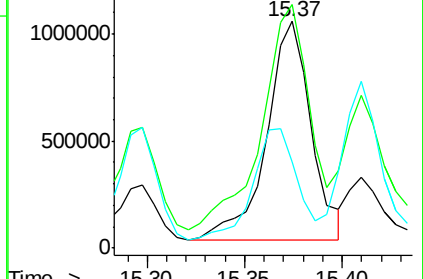
167 37.8 10.6 16.0#

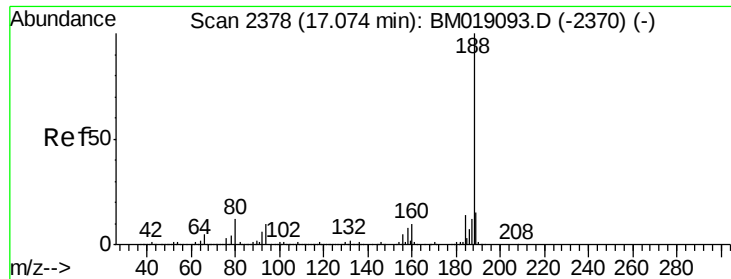


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.07 min Scan# 2395

Delta R.T. 0.02 min

Lab File: BM019233.D

Acq: 19 Mar 2019 12:51

Instrument :

BNA_M

ClientSampleId :

P-7-WEST-WALL-SOUTH

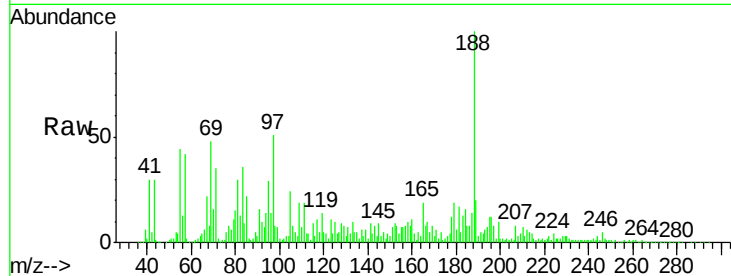
Tgt Ion:188 Resp: 1766080

Ion Ratio Lower Upper

188 100

94 13.8 8.3 12.5#

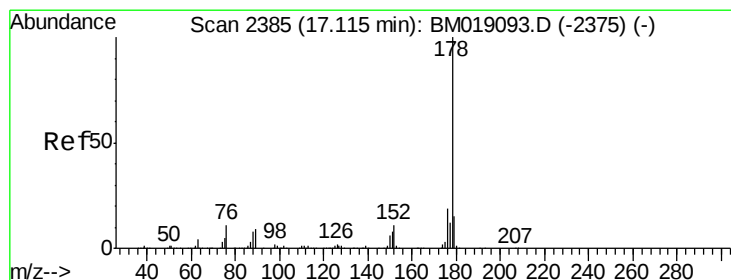
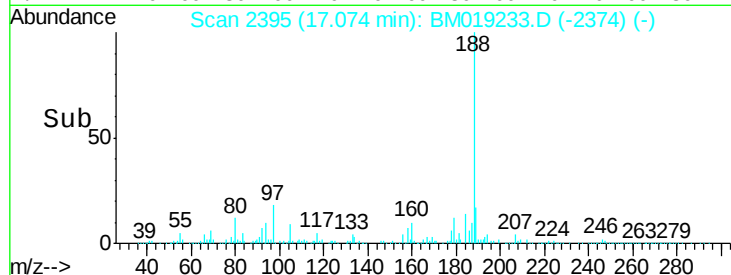
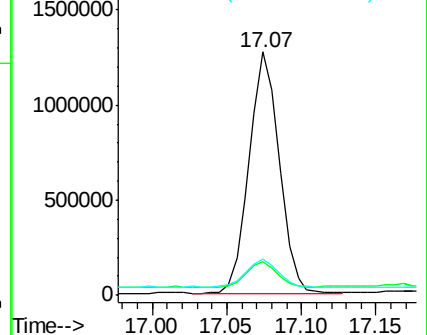
80 15.0 10.2 15.2



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: 66.740 ng

RT: 17.12 min Scan# 2403

Delta R.T. 0.03 min

Lab File: BM019233.D

Acq: 19 Mar 2019 12:51

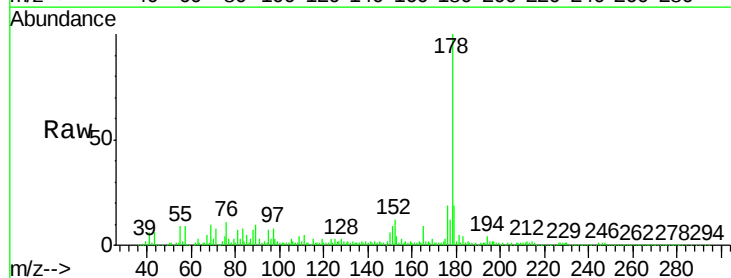
Tgt Ion:178 Resp: 6908644

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

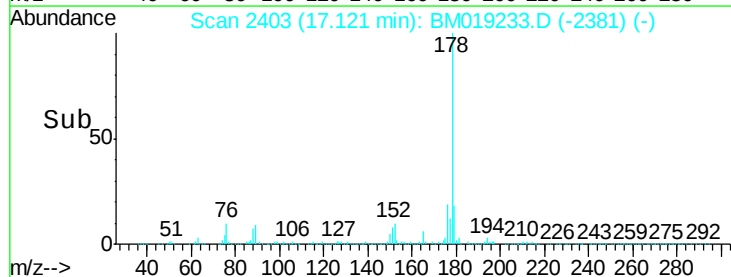
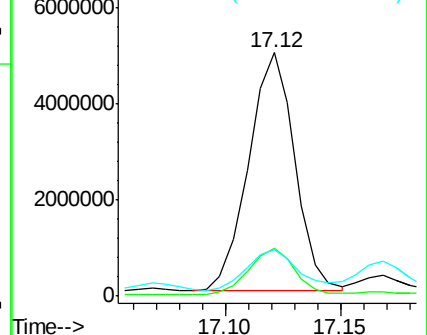
179 18.8 12.5 18.7#

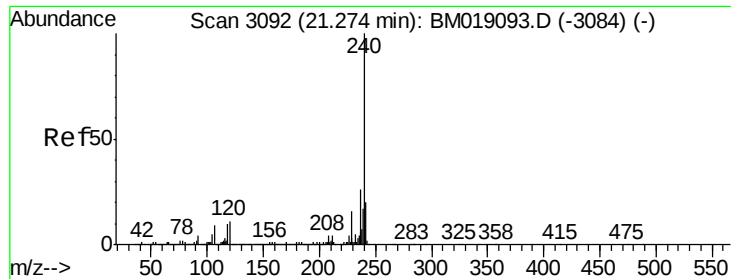


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

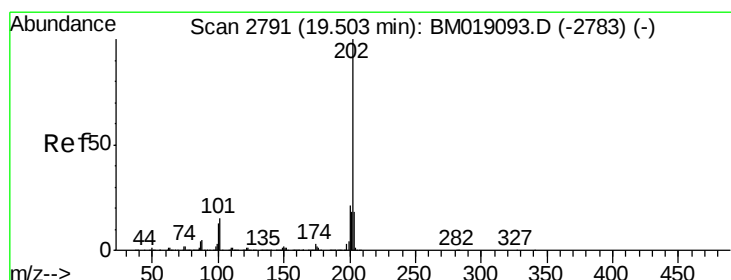
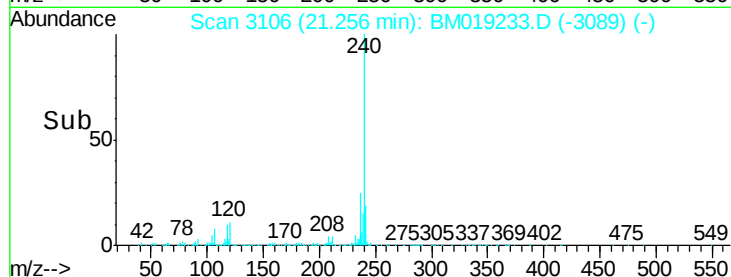
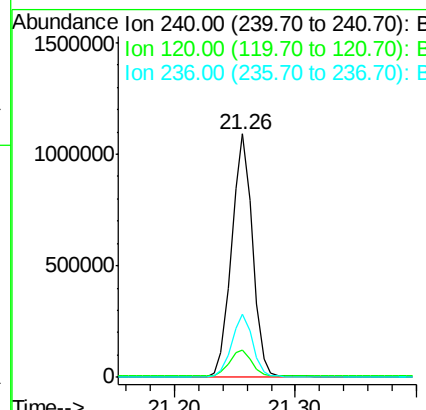
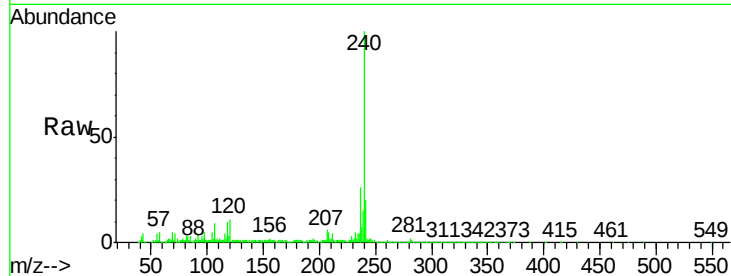




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.26 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BM019233.D
Acq: 19 Mar 2019 12:51

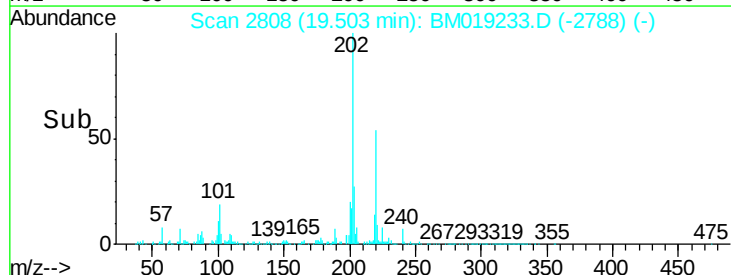
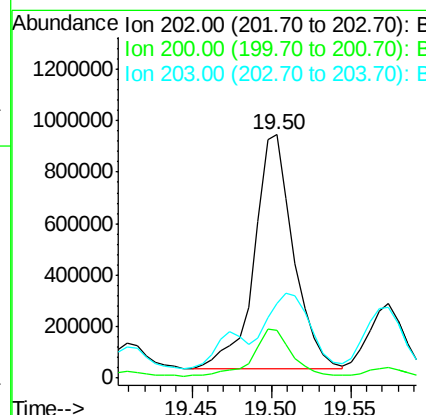
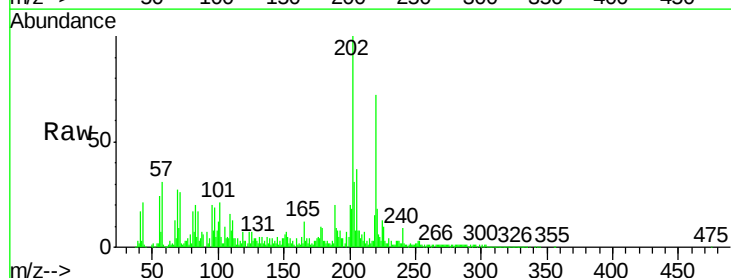
Instrument :
BNA_M
ClientSampleId :
P-7-WEST-WALL-SOUTH

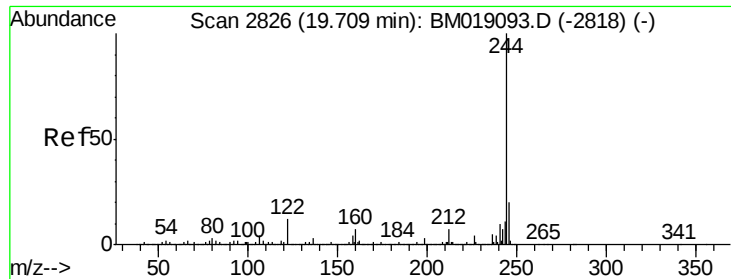
Tgt Ion:240 Resp: 1306608
Ion Ratio Lower Upper
240 100
120 11.2 8.5 12.7
236 25.7 20.8 31.2



#78
Pyrene
Concen: 18.956 ng
RT: 19.50 min Scan# 2808
Delta R.T. 0.02 min
Lab File: BM019233.D
Acq: 19 Mar 2019 12:51

Tgt Ion:202 Resp: 1567092
Ion Ratio Lower Upper
202 100
200 19.7 17.0 25.6
203 30.7 14.1 21.1#





#79

Terphenyl-d14

Concen: 93.733 ng

RT: 19.70 min Scan# 2842

Delta R.T. 0.01 min

Lab File: BM019233.D

Acq: 19 Mar 2019 12:51

Instrument :

BNA_M

ClientSampleId :

P-7-WEST-WALL-SOUTH

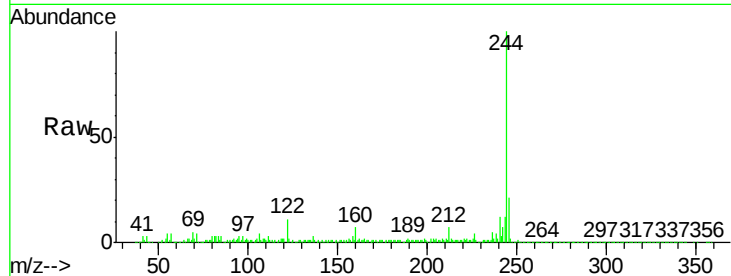
Tgt Ion:244 Resp: 6169241

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

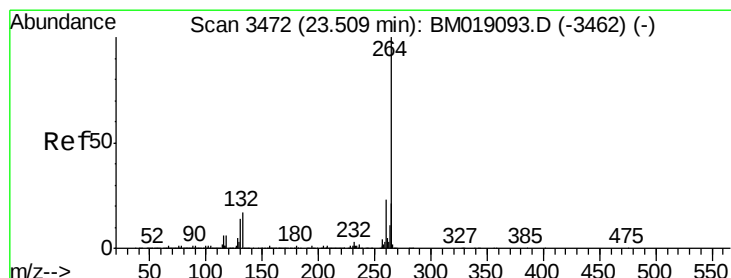
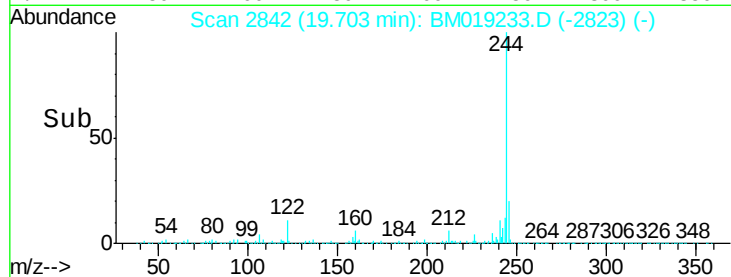
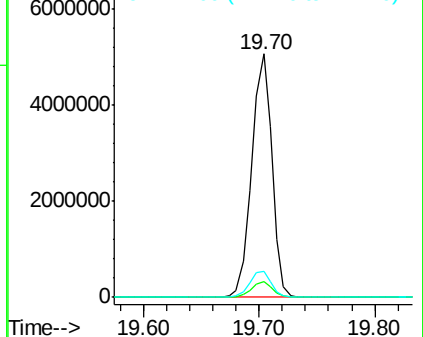
122 10.8 8.8 13.2



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: BM019233.D

Acq: 19 Mar 2019 12:51

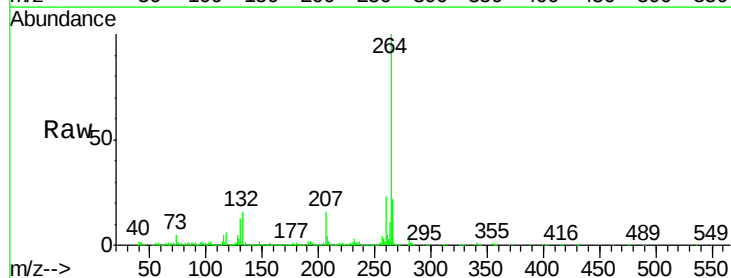
Tgt Ion:264 Resp: 1225122

Ion Ratio Lower Upper

264 100

260 22.9 18.8 28.2

265 21.6 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

