

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM031919\
 Data File : BM019234.D
 Acq On : 19 Mar 2019 13:27
 Operator : JU/SJ
 Sample : K1970-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P-8-W.WALL-S.CENTER

Quant Time: Mar 19 14:25:51 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

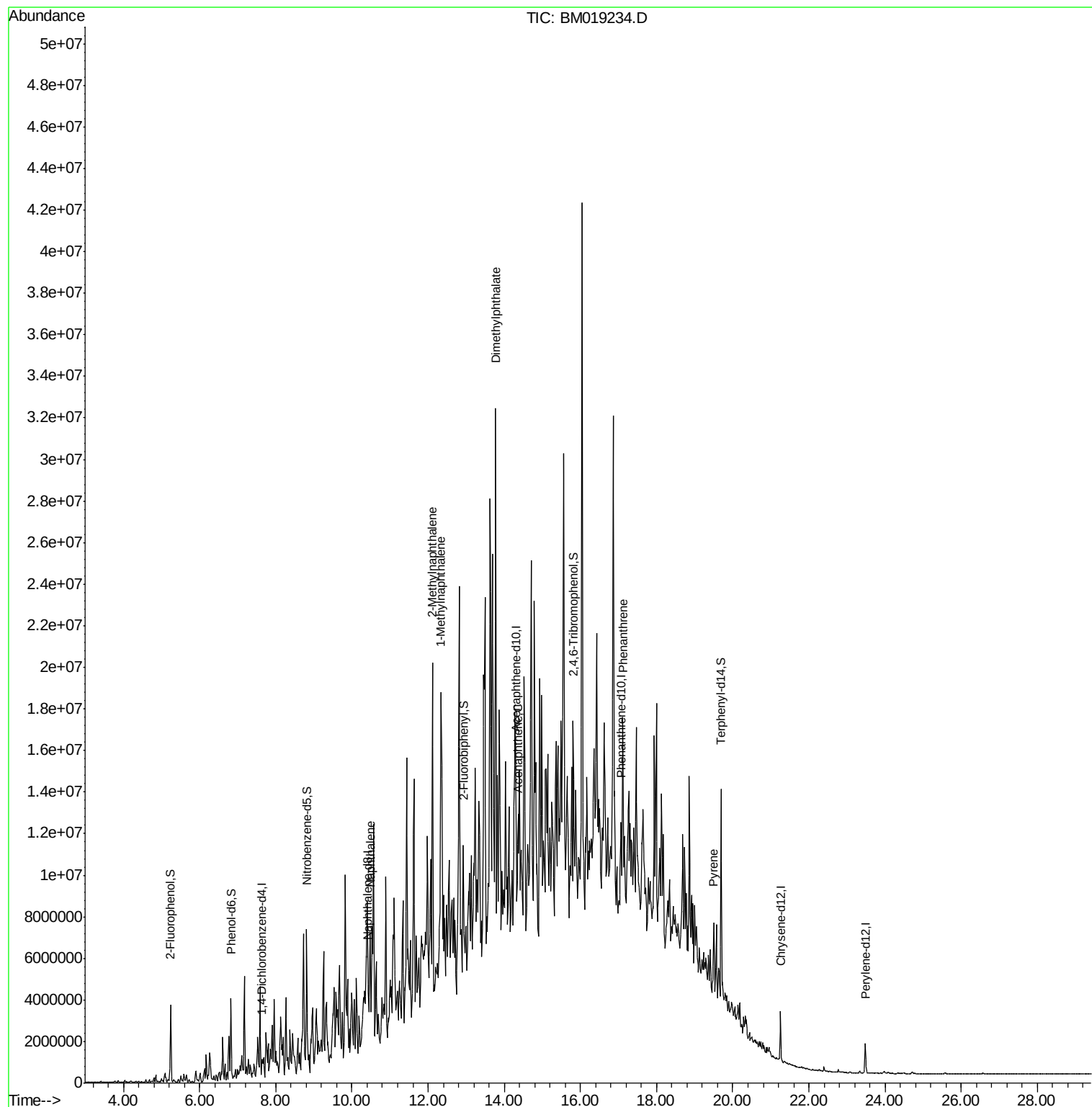
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	223986	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	966897	20.00	ng	0.00
39) Acenaphthene-d10	14.31	164	742097	20.00	ng	0.01
64) Phenanthrene-d10	17.07	188	1362488	20.00	ng	0.02
76) Chrysene-d12	21.25	240	1047972	20.00	ng	0.00
87) Perylene-d12	23.48	264	999671	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	1528114	110.49	ng	0.00
7) Phenol-d6	6.82	99	2232660	110.36	ng	0.00
23) Nitrobenzene-d5	8.81	82	1429472	69.88	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	1154321	105.35	ng	0.02
45) 2-Fluorobiphenyl	12.92	172	3275782	57.42	ng	0.00
79) Terphenyl-d14	19.70	244	4329982	82.02	ng	0.00
Target Compounds						
31) Naphthalene	10.48	128	1063989	20.878	ng	Qvalue # 86
37) 2-Methylnaphthalene	12.12	142	7867340	212.440	ng	99
38) 1-Methylnaphthalene	12.33	142	6277403	171.972	ng	100
50) Dimethylphthalate	13.77	163	395121	6.224	ng	# 90
52) Acenaphthene	14.37	154	552331	11.752	ng	# 90
71) Phenanthrene	17.11	178	4624707	57.910	ng	96
78) Pyrene	19.49	202	895840	13.511	ng	# 90

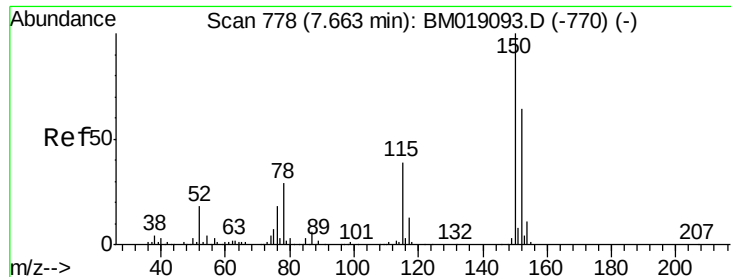
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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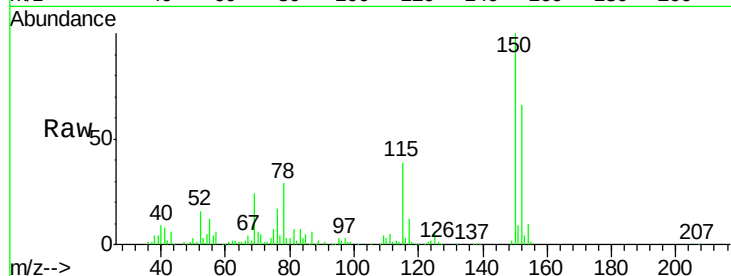


#1

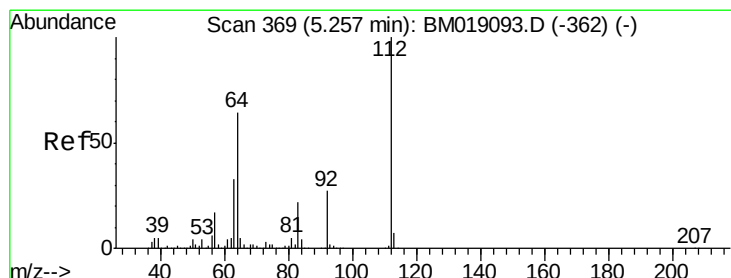
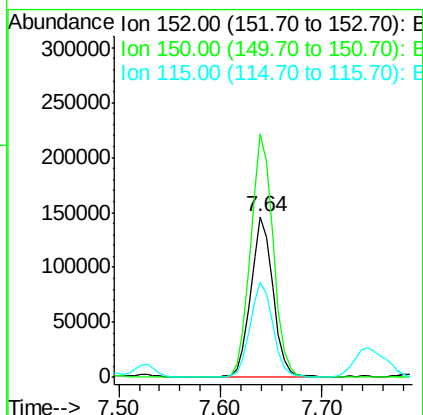
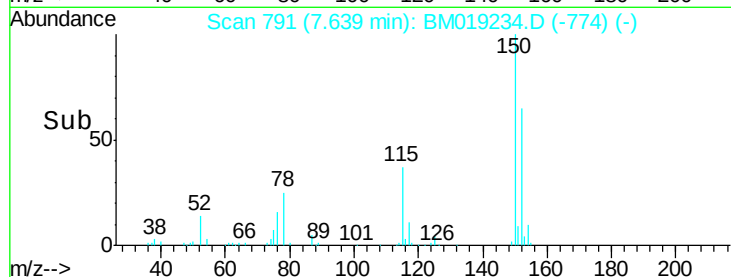
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.64 min Scan# 791
Delta R.T. -0.00 min
Lab File: BM019234.D
Acq: 19 Mar 2019 13:27

Instrument :
BNA_M
ClientSampleId :
P-8-W.WALL-S.CENTER

Tgt Ion:152 Resp: 223986
Ion Ratio Lower Upper
152 100
150 151.3 124.6 187.0
115 58.9 48.2 72.4



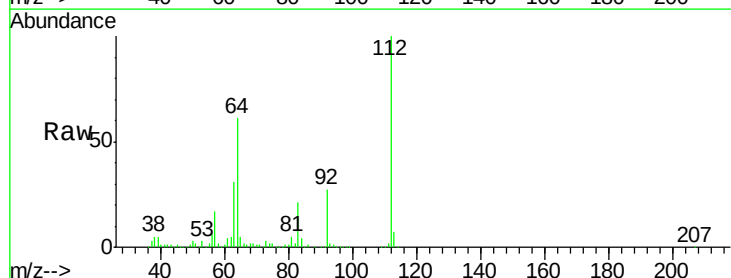
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



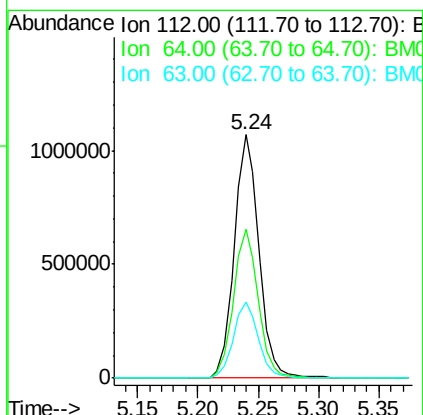
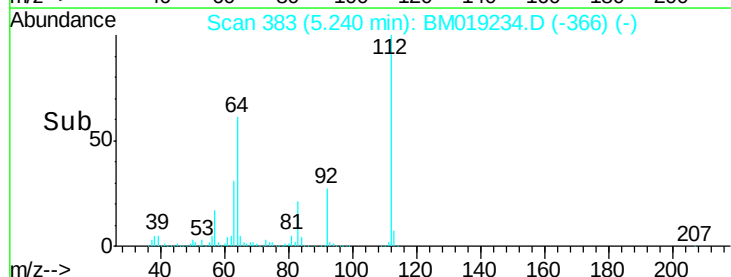
#5

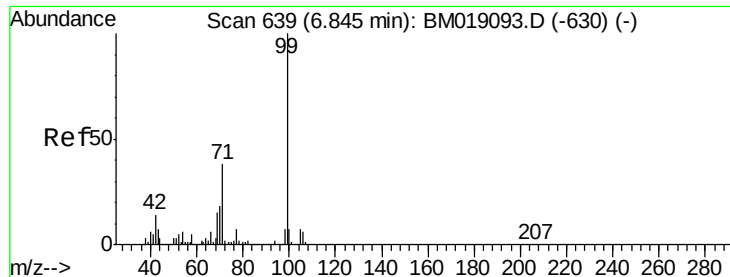
2-Fluorophenol
Concen: 110.487 ng
RT: 5.24 min Scan# 383
Delta R.T. -0.00 min
Lab File: BM019234.D
Acq: 19 Mar 2019 13:27

Tgt Ion:112 Resp: 1528114
Ion Ratio Lower Upper
112 100
64 61.4 49.0 73.6
63 31.1 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: 110.362 ng

RT: 6.82 min Scan# 652

Delta R.T. -0.00 min

Lab File: BM019234.D

Acq: 19 Mar 2019 13:27

Instrument :

BNA_M

ClientSampleId :

P-8-W.WALL-S.CENTER

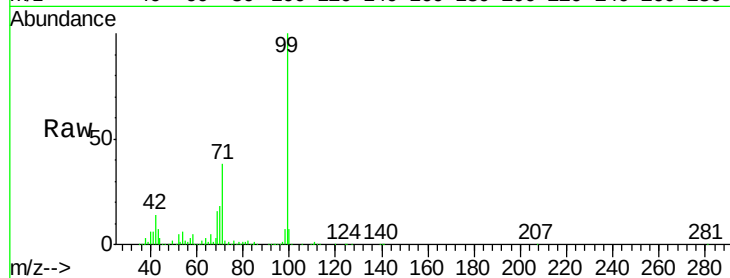
Tgt Ion: 99 Resp: 2232660

Ion Ratio Lower Upper

99 100

42 13.6 10.8 16.2

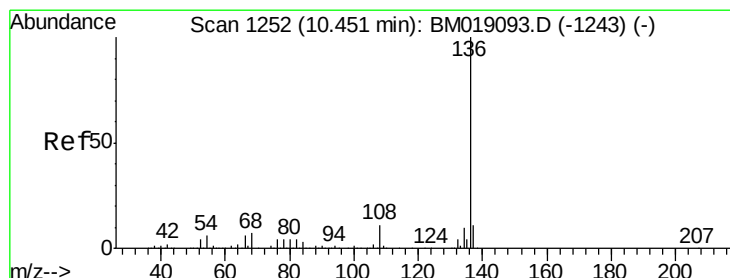
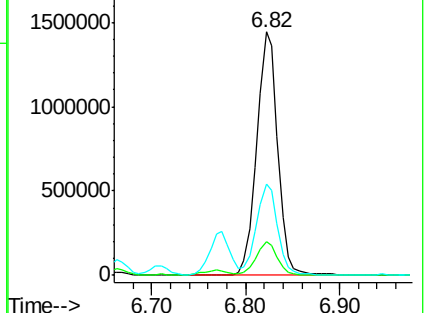
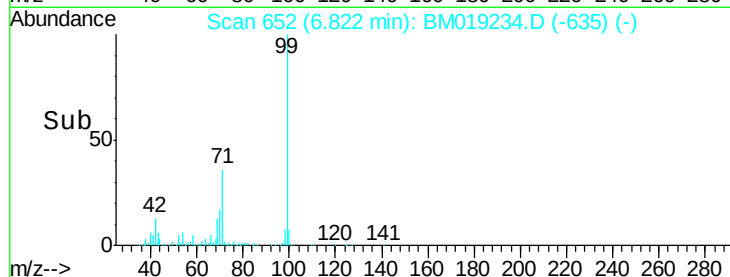
71 37.5 30.1 45.1



Abundance Ion 99.00 (98.70 to 99.70): BM019234.D (-635) (-)

Ion 42.00 (41.70 to 42.70): BM019234.D (-635) (-)

Ion 71.00 (70.70 to 71.70): BM019234.D (-635) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1265

Delta R.T. 0.01 min

Lab File: BM019234.D

Acq: 19 Mar 2019 13:27

Tgt Ion: 136 Resp: 966897

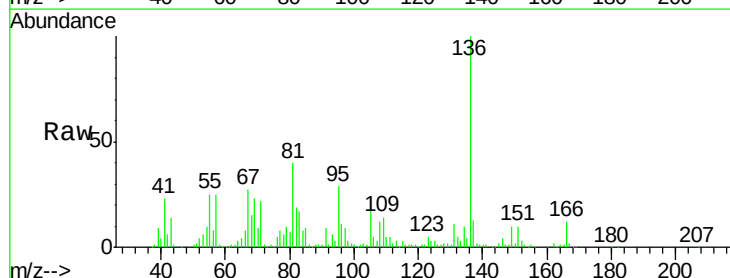
Ion Ratio Lower Upper

136 100

137 13.3 9.0 13.4

54 10.2 5.2 7.8#

68 14.5 6.1 9.1#

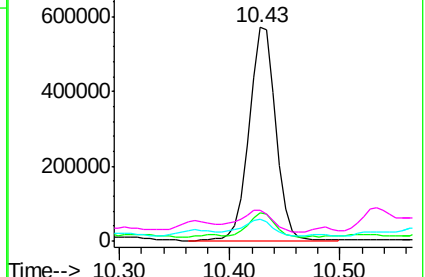
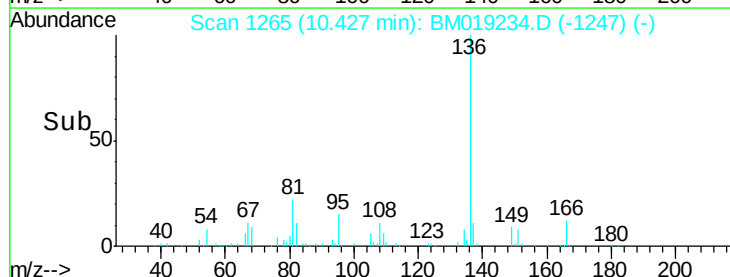


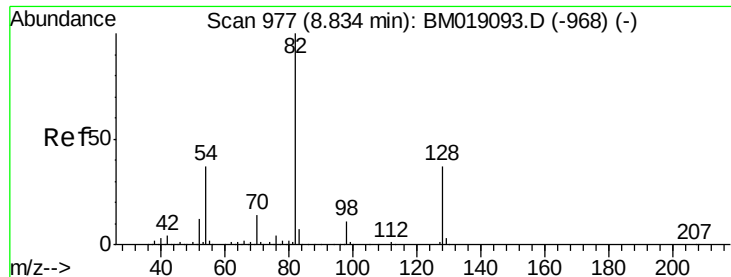
Abundance Ion 136.00 (135.70 to 136.70): BM019234.D (-1247) (-)

Ion 137.00 (136.70 to 137.70): BM019234.D (-1247) (-)

Ion 54.00 (53.70 to 54.70): BM019234.D (-1247) (-)

Ion 68.00 (67.70 to 68.70): BM019234.D (-1247) (-)

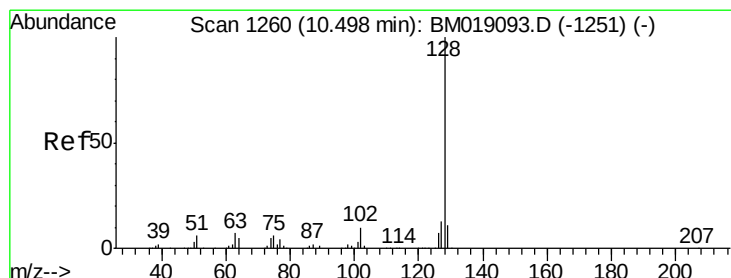
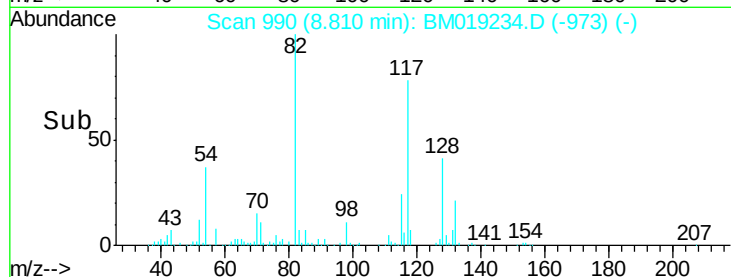
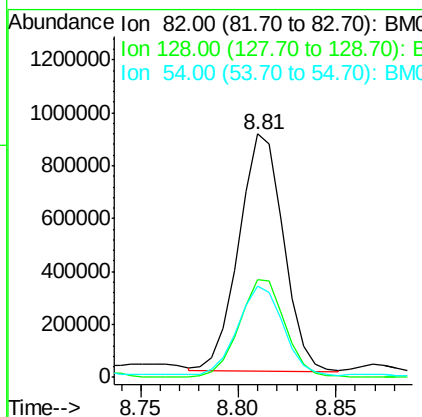
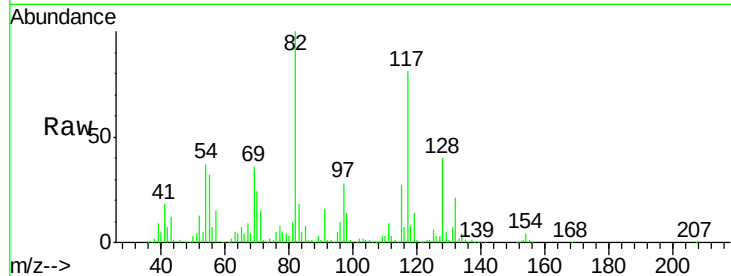




#23
Nitrobenzene-d5
Concen: 69.885 ng
RT: 8.81 min Scan# 990
Delta R.T. -0.00 min
Lab File: BM019234.D
Acq: 19 Mar 2019 13:27

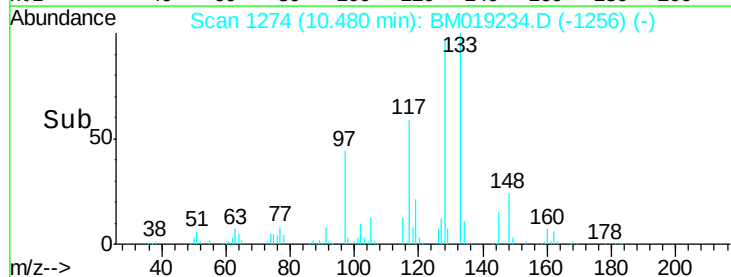
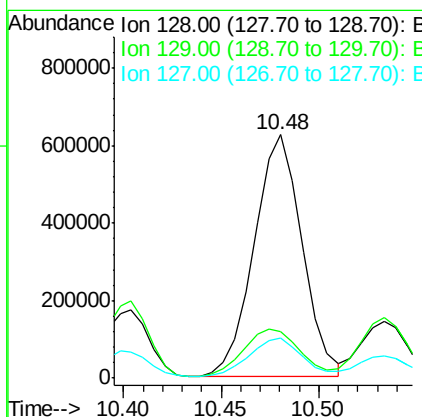
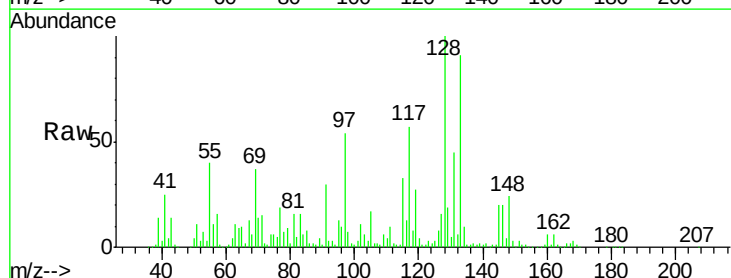
Instrument :
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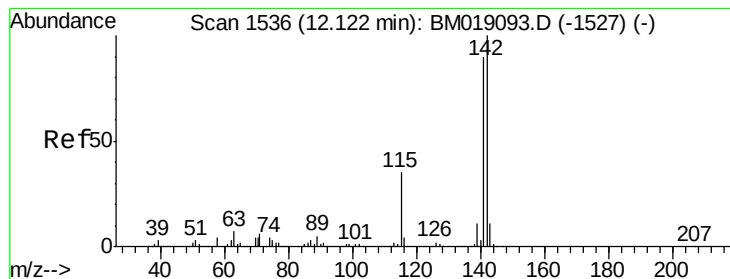
Tgt Ion: 82 Resp: 1429472
Ion Ratio Lower Upper
82 100
128 40.1 30.2 45.4
54 37.5 29.0 43.4



#31
Naphthalene
Concen: 20.878 ng
RT: 10.48 min Scan# 1274
Delta R.T. 0.01 min
Lab File: BM019234.D
Acq: 19 Mar 2019 13:27

Tgt Ion: 128 Resp: 1063989
Ion Ratio Lower Upper
128 100
129 19.1 8.6 12.8#
127 16.2 10.6 15.8#





#37

2-Methylnaphthalene

Concen: 212.440 ng

RT: 12.12 min Scan# 1552

Delta R.T. 0.02 min

Lab File: BM019234.D

Acq: 19 Mar 2019 13:27

Instrument :

BNA_M

ClientSampleId :

P-8-W.WALL-S.CENTER

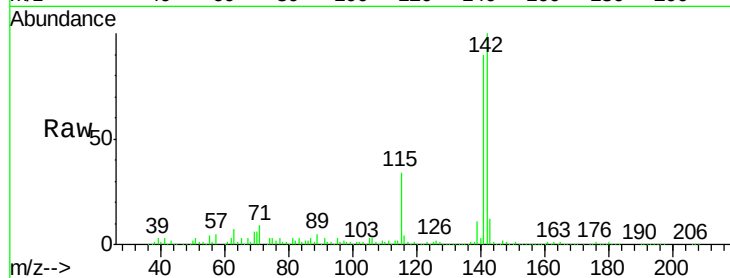
Tgt Ion:142 Resp: 7867340

Ion Ratio Lower Upper

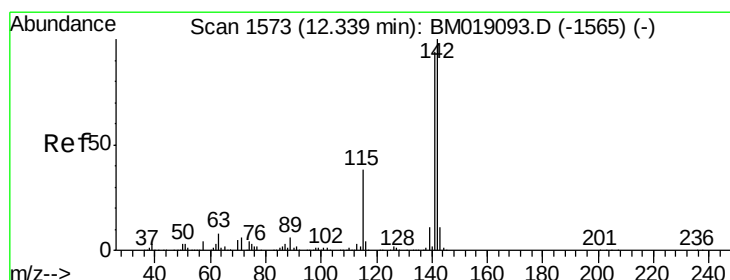
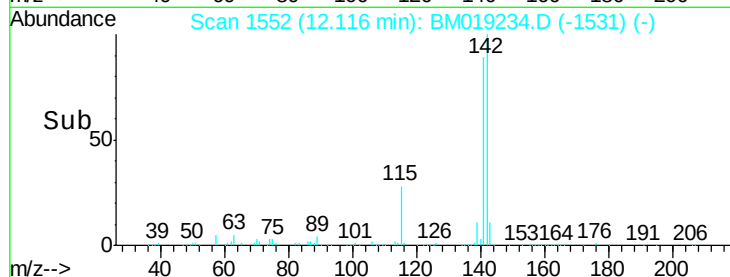
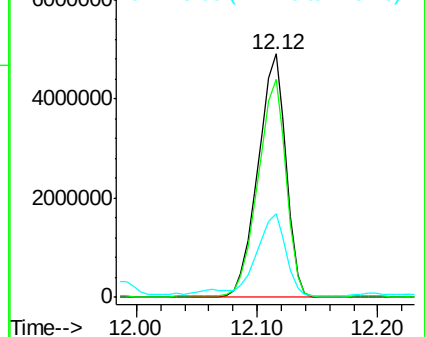
142 100

141 89.7 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: 171.972 ng

RT: 12.33 min Scan# 1589

Delta R.T. 0.02 min

Lab File: BM019234.D

Acq: 19 Mar 2019 13:27

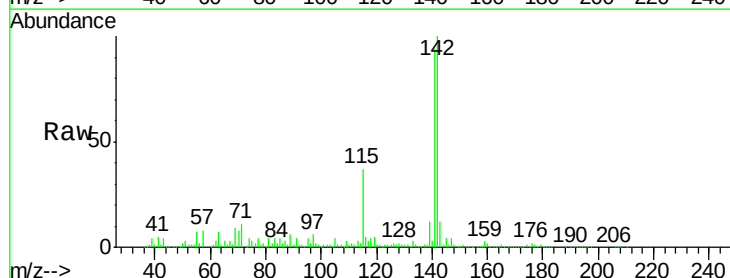
Tgt Ion:142 Resp: 6277403

Ion Ratio Lower Upper

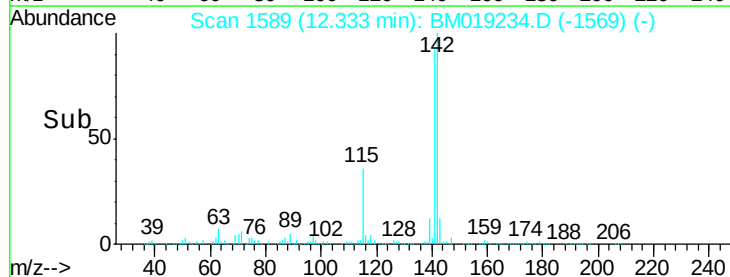
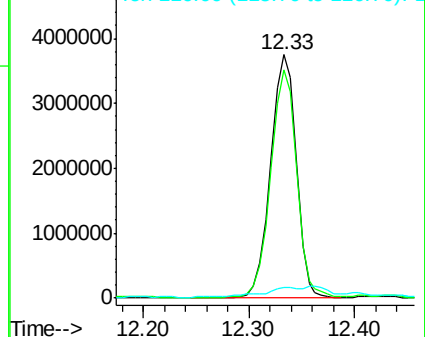
142 100

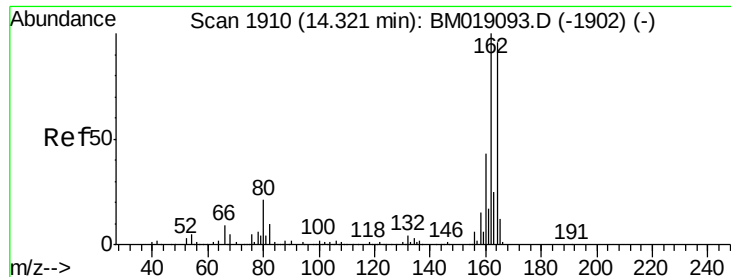
141 93.6 74.7 112.1

116 4.5 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: 14.31 min Scan# 1925

Delta R.T. 0.01 min

Lab File: BM019234.D

Acq: 19 Mar 2019 13:27

Instrument :

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ClientSampleId :

P-8-W.WALL-S.CENTER

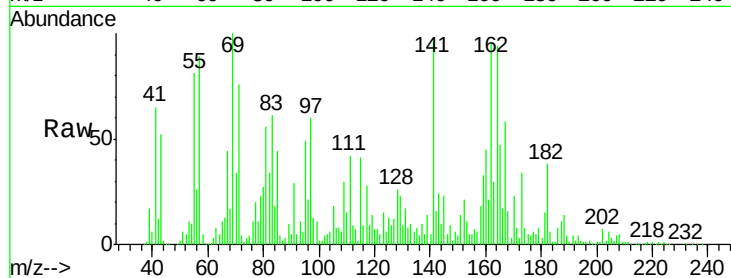
Tgt Ion:164 Resp: 742097

Ion Ratio Lower Upper

164 100

162 100.7 83.8 125.6

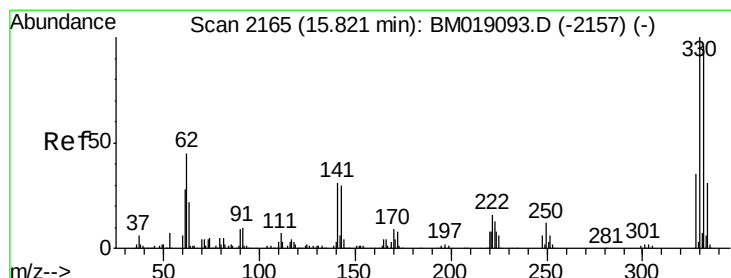
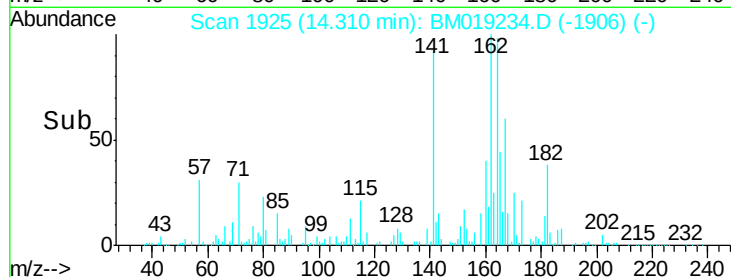
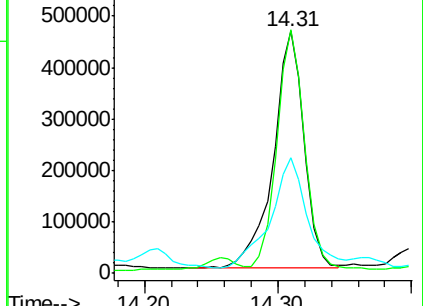
160 47.6 36.7 55.1



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: 105.352 ng

RT: 15.82 min Scan# 2181

Delta R.T. 0.02 min

Lab File: BM019234.D

Acq: 19 Mar 2019 13:27

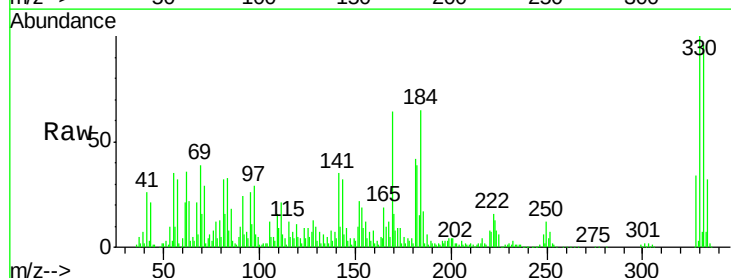
Tgt Ion:330 Resp: 1154321

Ion Ratio Lower Upper

330 100

332 96.6 77.6 116.4

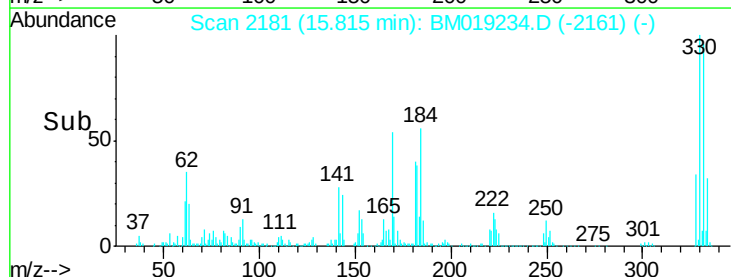
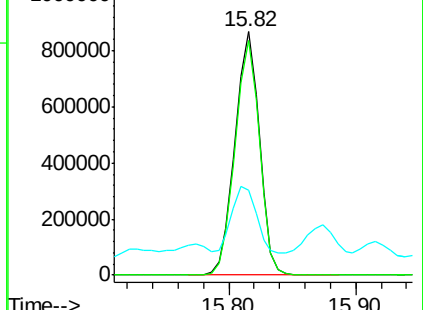
141 28.0 26.2 39.2

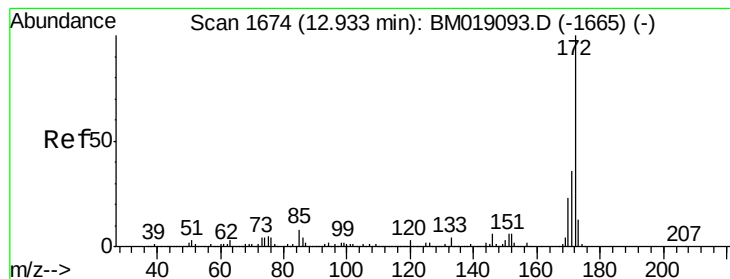


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 57.418 ng

RT: 12.92 min Scan# 1688

Delta R.T. 0.01 min

Lab File: BM019234.D

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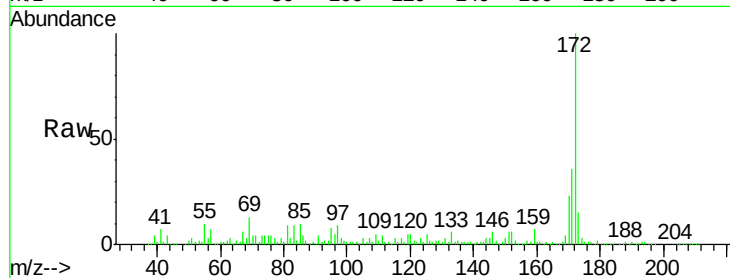
Tgt Ion:172 Resp: 3275782

Ion Ratio Lower Upper

172 100

171 35.9 28.9 43.3

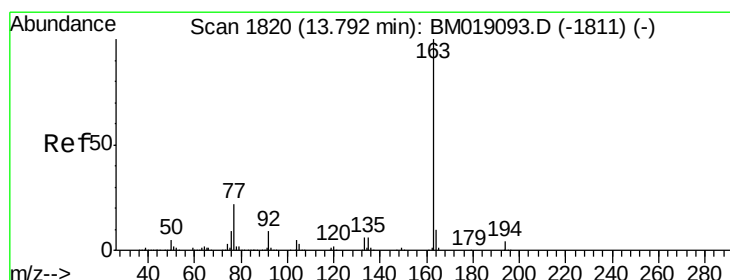
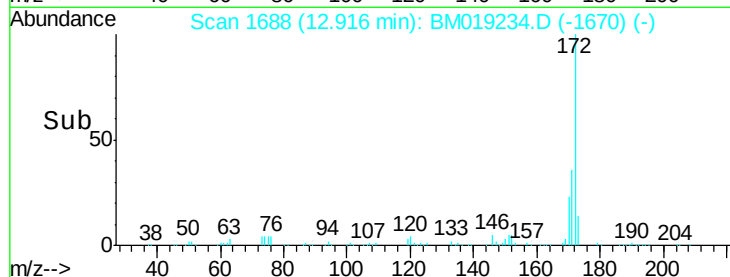
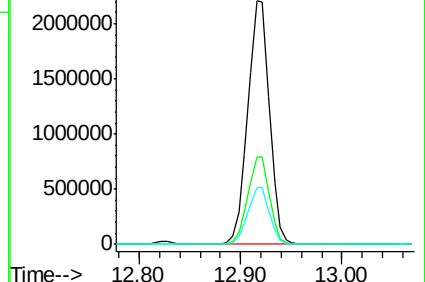
170 23.1 18.9 28.3



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: 6.224 ng

RT: 13.77 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BM019234.D

Acq: 19 Mar 2019 13:27

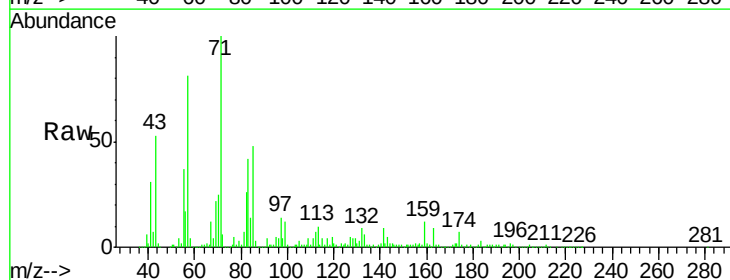
Tgt Ion:163 Resp: 395121

Ion Ratio Lower Upper

163 100

194 8.0 3.2 4.8#

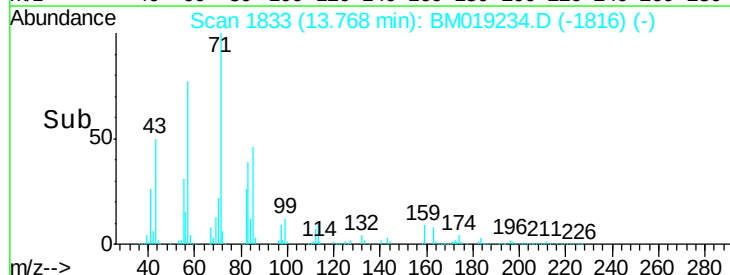
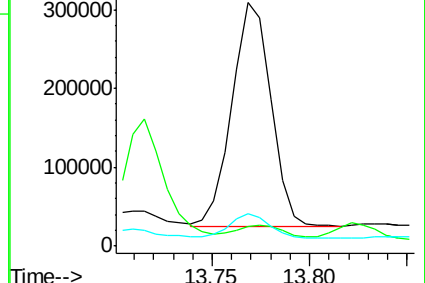
164 13.5 7.9 11.9#

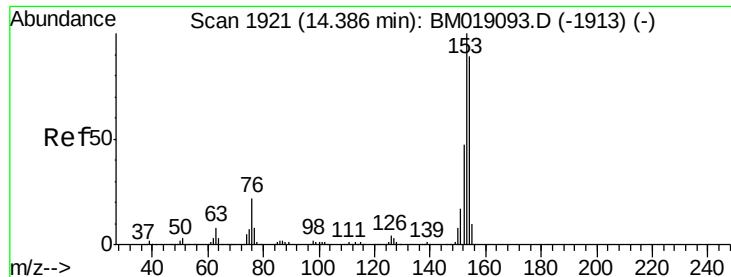


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 11.752 ng

RT: 14.37 min Scan# 1936

Delta R.T. 0.01 min

Lab File: BM019234.D

Acq: 19 Mar 2019 13:27

Instrument :

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P-8-W.WALL-S.CENTER

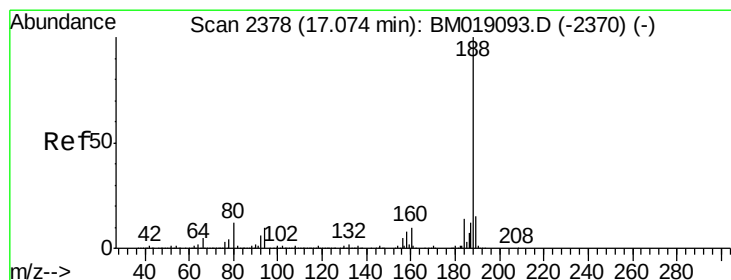
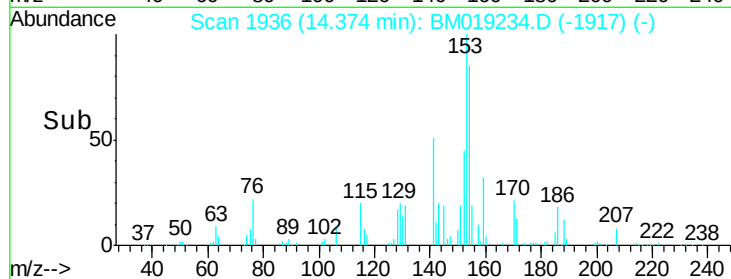
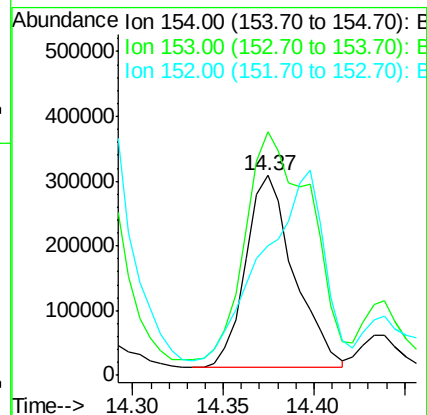
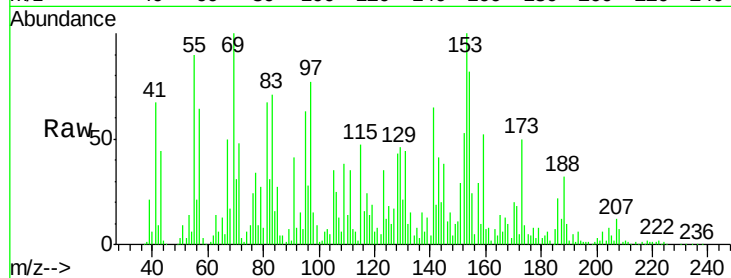
Tgt Ion:154 Resp: 552331

Ion Ratio Lower Upper

154 100

153 121.7 90.9 136.3

152 64.7 42.3 63.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2394

Delta R.T. 0.02 min

Lab File: BM019234.D

Acq: 19 Mar 2019 13:27

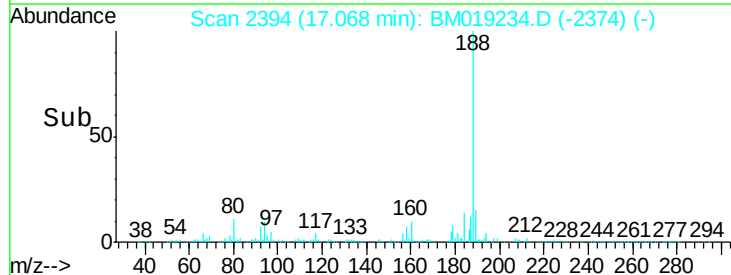
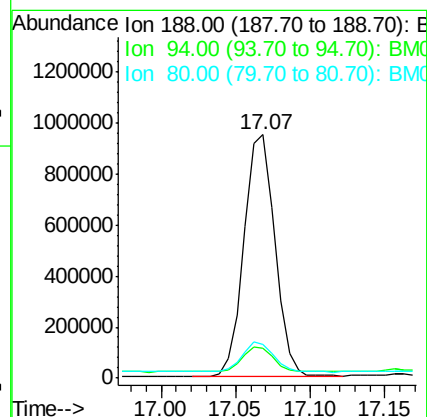
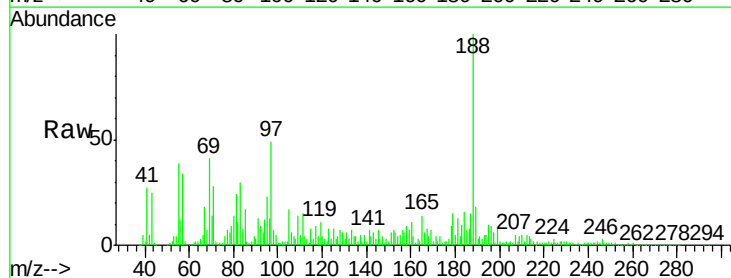
Tgt Ion:188 Resp: 1362488

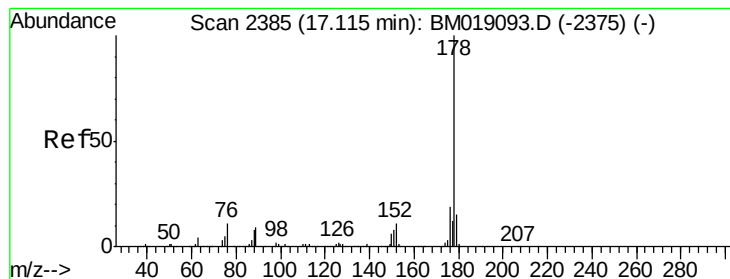
Ion Ratio Lower Upper

188 100

94 12.3 8.3 12.5

80 13.9 10.2 15.2





#71

Phenanthrene

Concen: 57.910 ng

RT: 17.11 min Scan# 2401

Delta R.T. 0.02 min

Lab File: BM019234.D

Acq: 19 Mar 2019 13:27

Instrument :

BNA_M

ClientSampleId :

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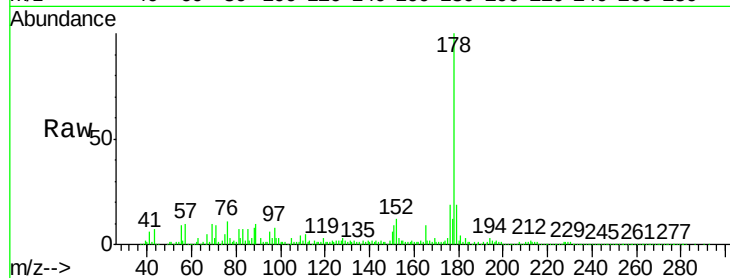
Tgt Ion:178 Resp: 4624707

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

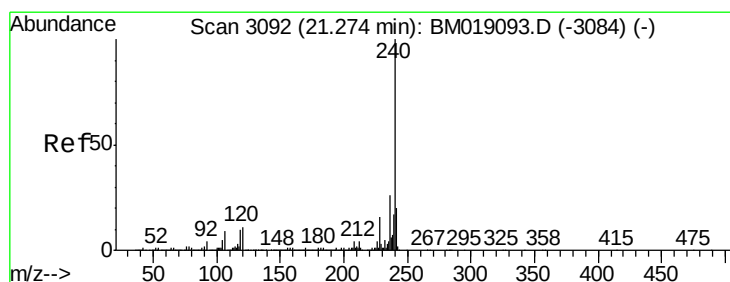
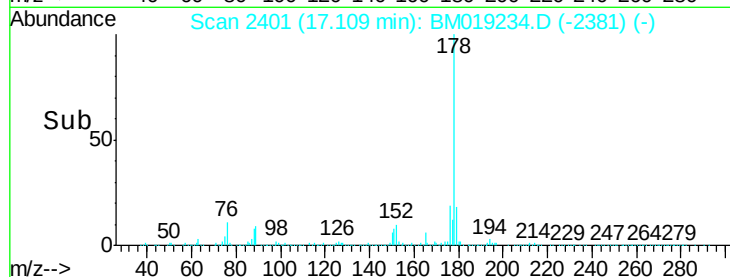
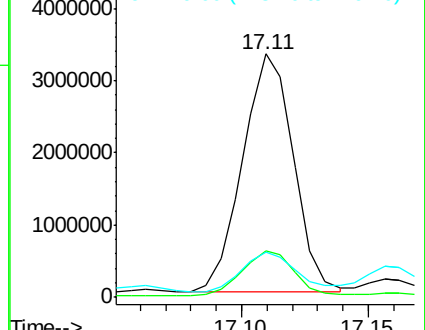
179 18.7 12.5 18.7



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: BM019234.D

Acq: 19 Mar 2019 13:27

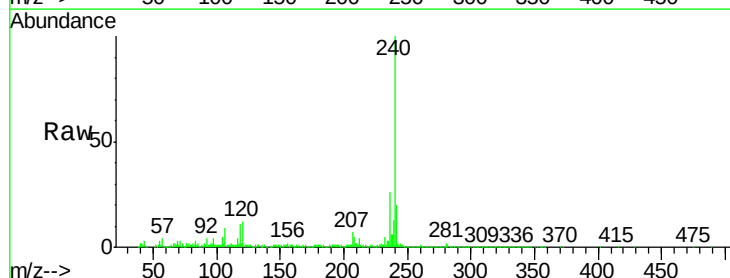
Tgt Ion:240 Resp: 1047972

Ion Ratio Lower Upper

240 100

120 12.2 8.5 12.7

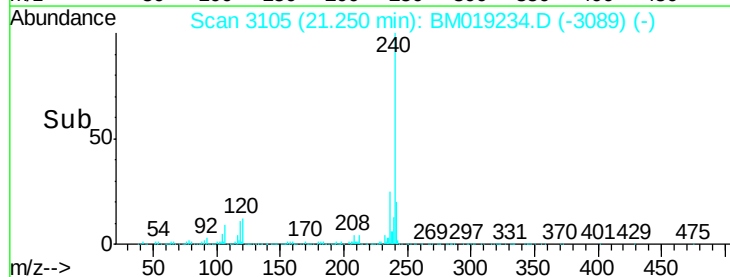
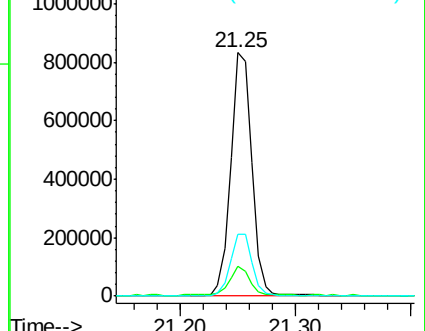
236 25.7 20.8 31.2

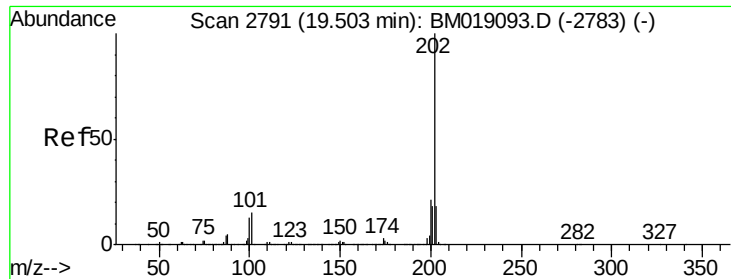


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 13.511 ng

RT: 19.49 min Scan# 2806

Delta R.T. 0.01 min

Lab File: BM019234.D

Acq: 19 Mar 2019 13:27

Instrument :

BNA_M

ClientSampleId :

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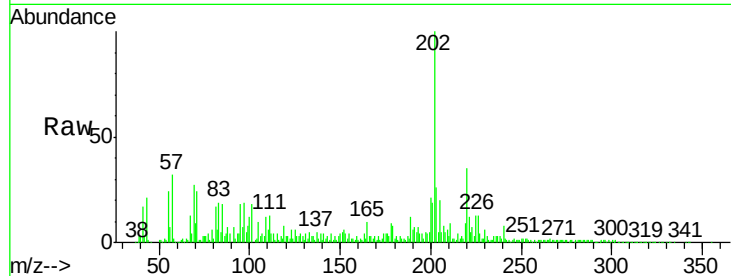
Tgt Ion:202 Resp: 895840

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.6

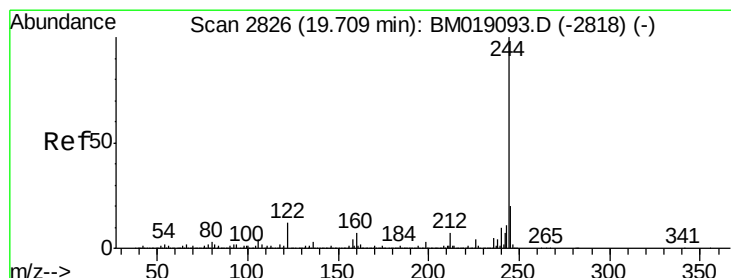
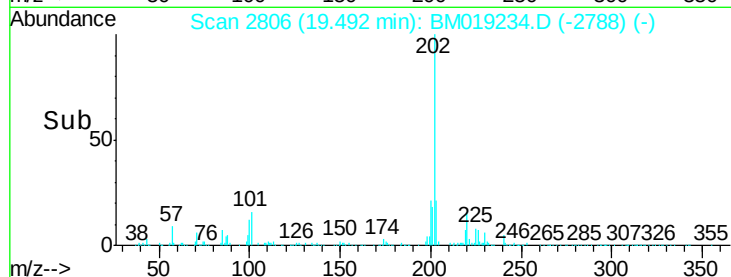
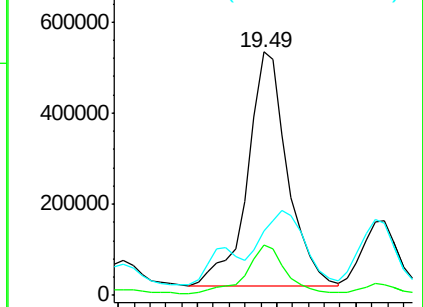
203 26.5 14.1 21.1#



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: 82.025 ng

RT: 19.70 min Scan# 2841

Delta R.T. 0.01 min

Lab File: BM019234.D

Acq: 19 Mar 2019 13:27

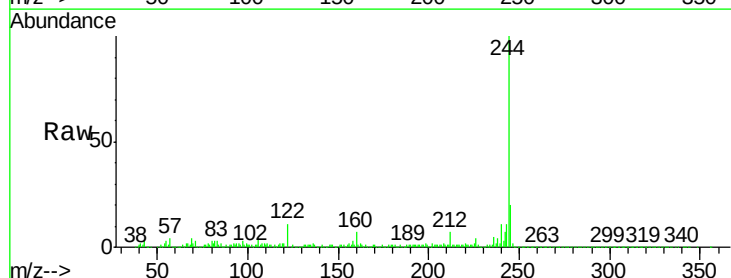
Tgt Ion:244 Resp: 4329982

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

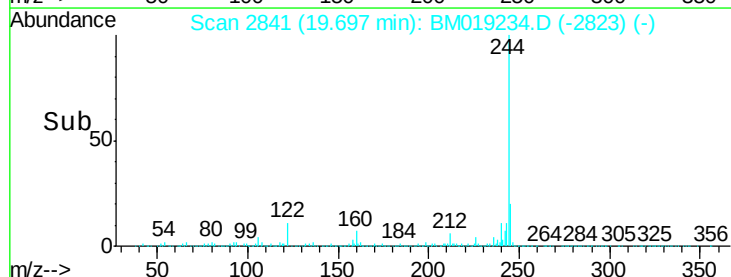
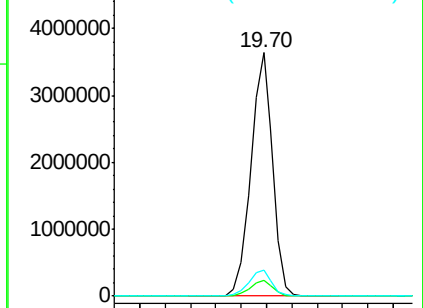
122 10.7 8.8 13.2

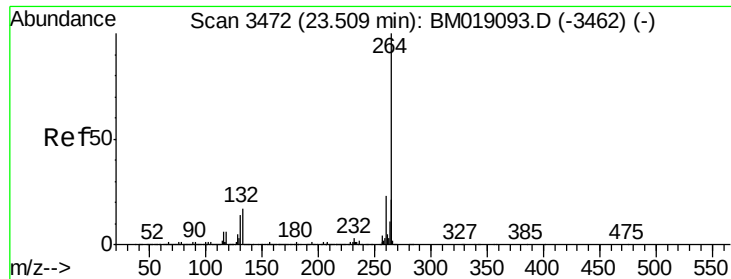


Abundance Ion 244.00 (243.70 to 244.70): E

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: BM019234.D
Acq: 19 Mar 2019 13:27

Instrument :
BNA_M
ClientSampleId :
P-8-W.WALL-S.CENTER

Tgt Ion: 264 Resp: 999671
Ion Ratio Lower Upper
264 100
260 23.0 18.8 28.2
265 22.2 17.7 26.5

