

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020719\
 Data File : BM018744.D
 Acq On : 07 Feb 2019 19:05
 Operator : JU/SJ
 Sample : K1390-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-03(12-13)

Quant Time: Feb 08 10:07:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 04 15:10:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	257302	20.00	ng	0.00
21) Naphthalene-d8	10.50	136	950907	20.00	ng	0.00
39) Acenaphthene-d10	14.36	164	475263	20.00	ng	0.00
64) Phenanthrene-d10	17.12	188	960417	20.00	ng	0.00
76) Chrysene-d12	21.31	240	909562	20.00	ng	0.00
87) Perylene-d12	23.57	264	958211	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	1905089	136.72	ng	0.00
7) Phenol-d6	6.89	99	2415327	136.47	ng	0.00
23) Nitrobenzene-d5	8.88	82	1405074	85.66	ng	0.00
42) 2,4,6-Tribromophenol	15.86	330	786577	129.98	ng	0.00
45) 2-Fluorobiphenyl	12.98	172	3160861	86.78	ng	0.00
79) Terphenyl-d14	19.75	244	3688881	85.49	ng	0.00

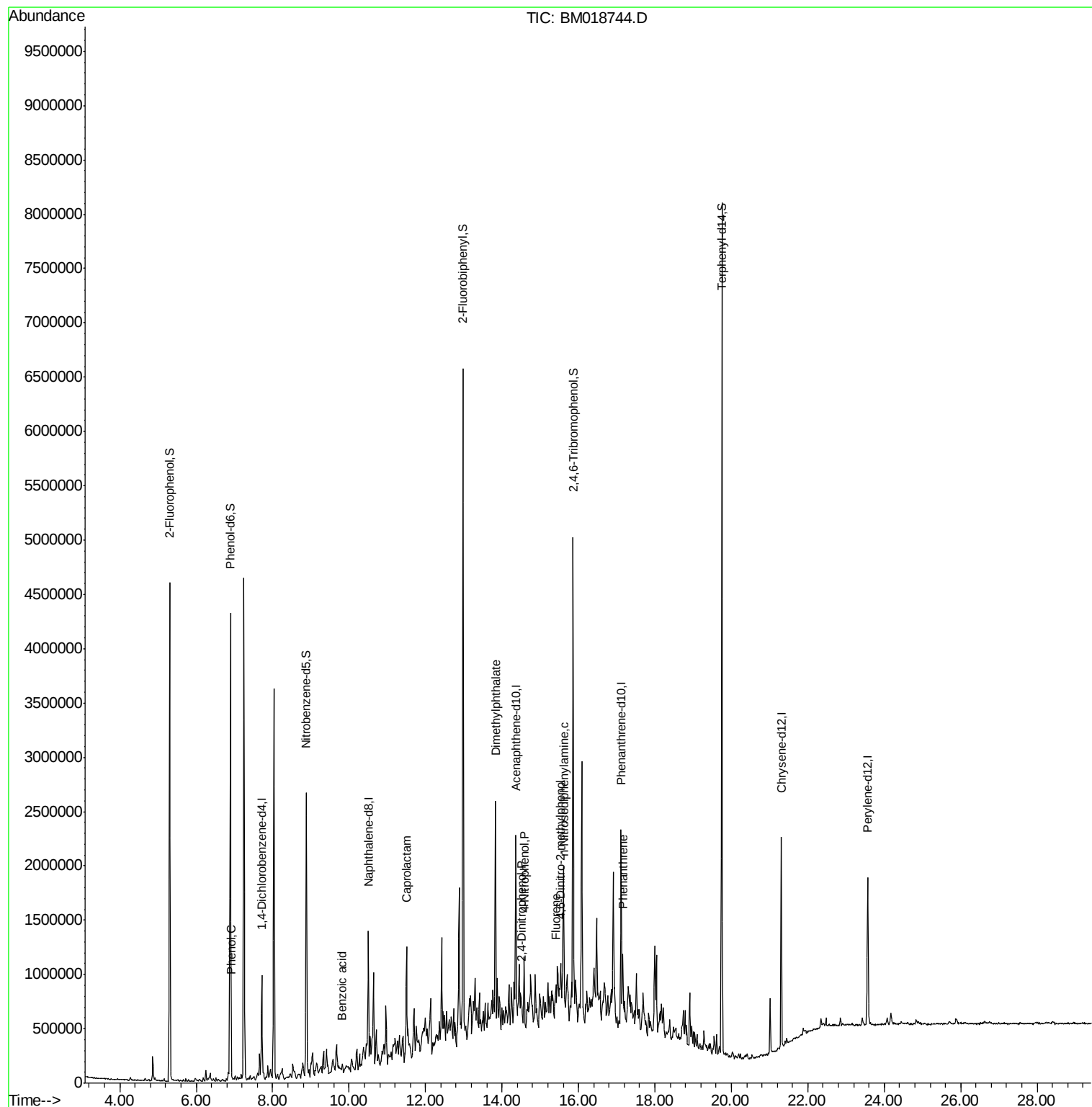
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.92	94	38083	2.12	ng	89
32) Benzoic acid	9.82	122	381	6.54	ng	# 1
35) Caprolactam	11.50	113	46234	9.76	ng	# 60
50) Dimethylphthalate	13.83	163	244056	6.25	ng	# 99
54) 2,4-Dinitrophenol	14.52	184	385	7.28	ng	# 1
56) 4-Nitrophenol	14.57	139	18700	2.60	ng	# 66
58) Fluorene	15.42	166	94012	2.66	ng	# 91
65) 4,6-Dinitro-2-methylphenol	15.54	198	1848	5.66	ng	# 1
66) n-Nitrosodiphenylamine	15.62	169	114295	3.84	ng	# 38
71) Phenanthrene	17.16	178	341993	6.69	ng	97

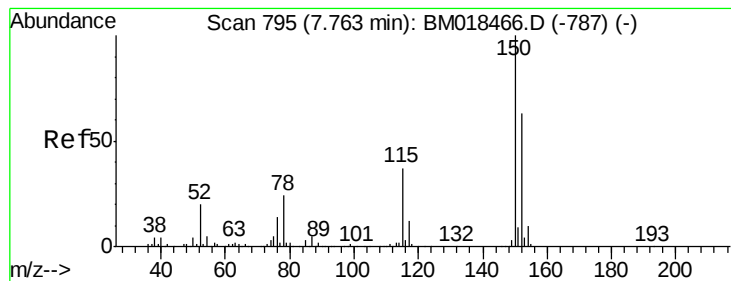
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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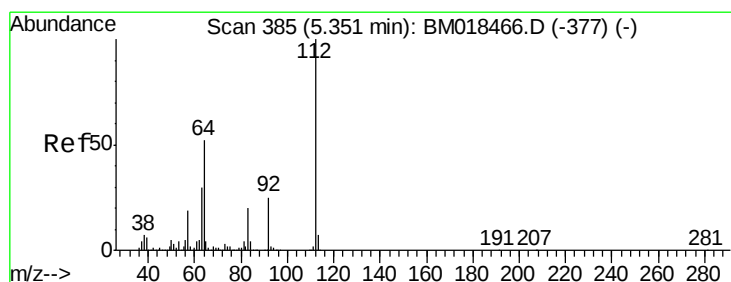
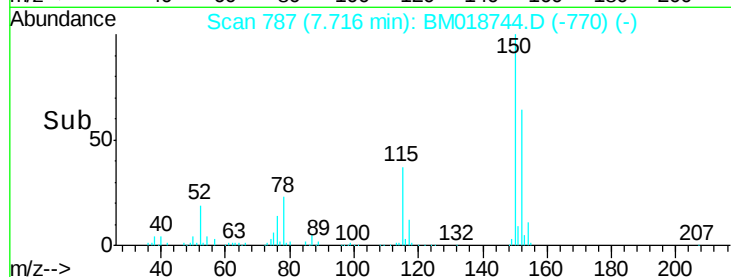
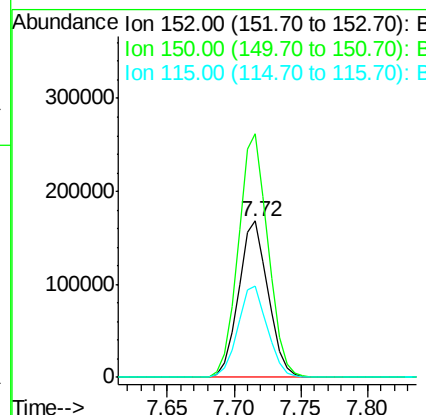
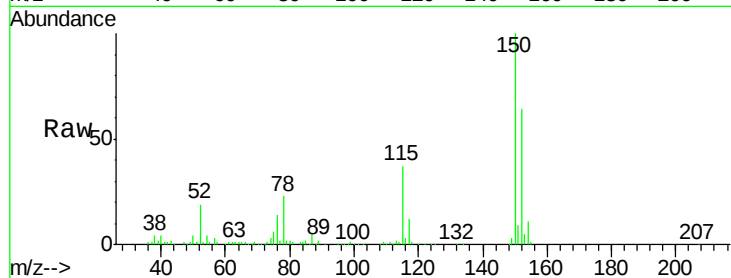


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BM018744.D
Acq: 07 Feb 2019 19:05

Instrument :
BNA_M
ClientSampleId :
SB-03(12-13)

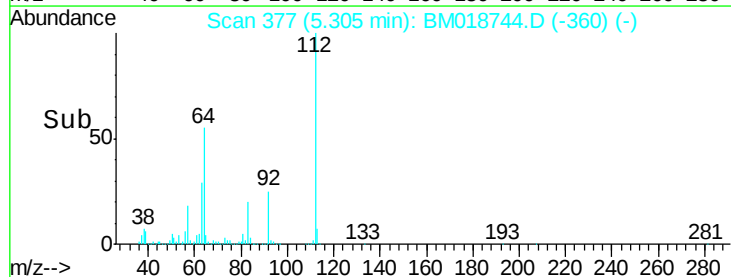
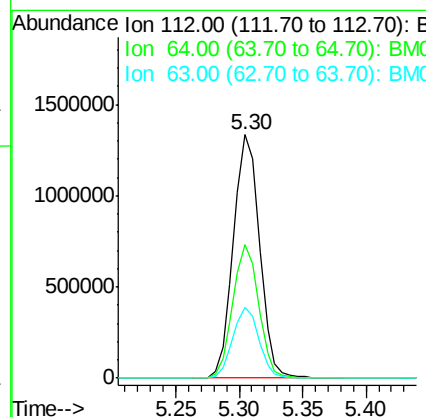
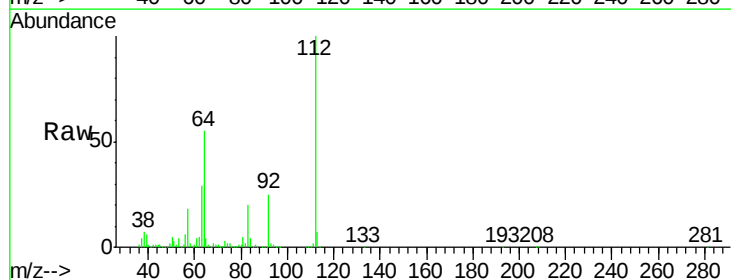
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	126.9	190.3
115	58.2	45.5	68.3

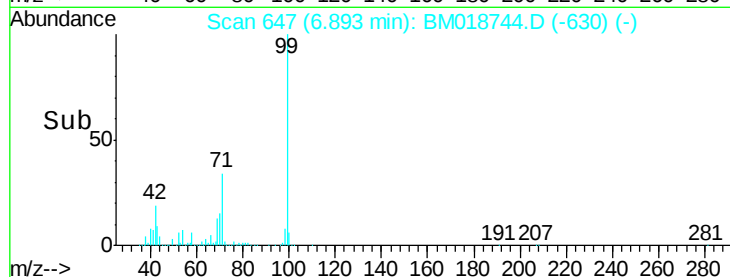
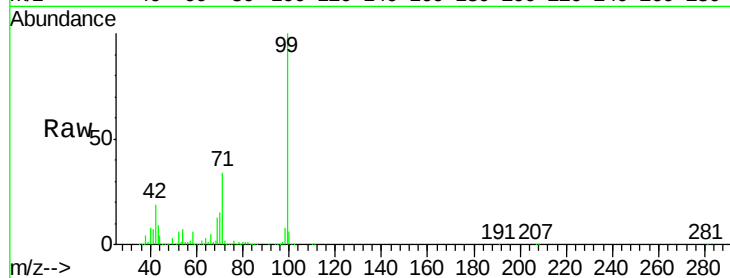
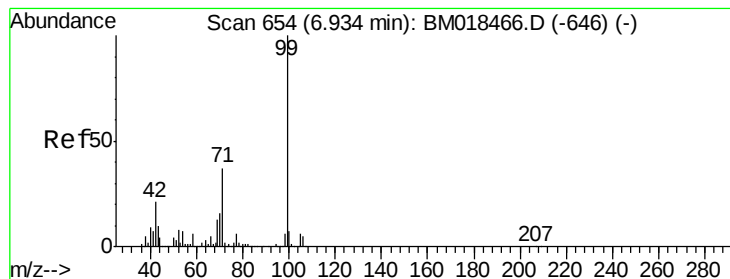


#5

2-Fluorophenol
Concen: 136.72 ng
RT: 5.30 min Scan# 377
Delta R.T. 0.00 min
Lab File: BM018744.D
Acq: 07 Feb 2019 19:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	46.5	69.7
63	29.1	25.2	37.8





#7

Phenol-d6

Concen: 136.47 ng

RT: 6.89 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM018744.D

Acq: 07 Feb 2019 19:05

Instrument :

BNA_M

ClientSampleId :

SB-03(12-13)

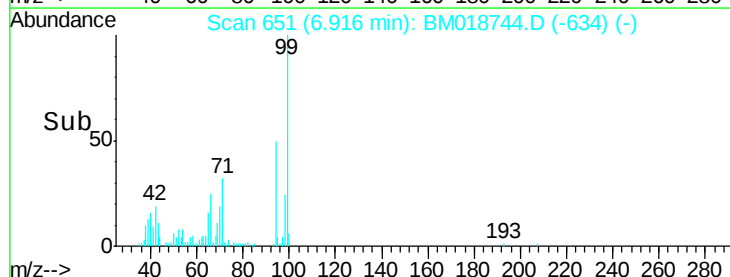
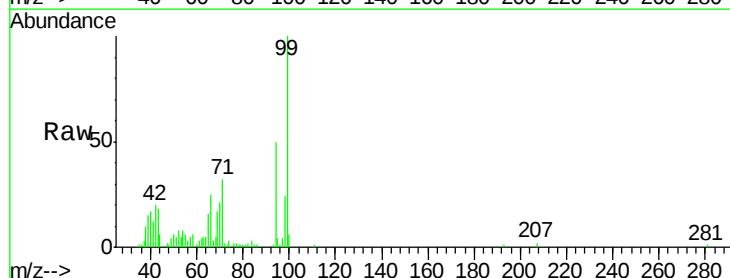
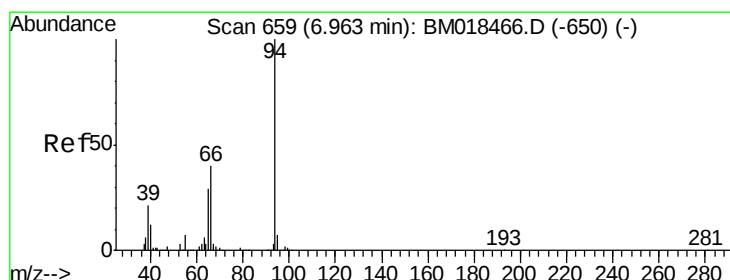
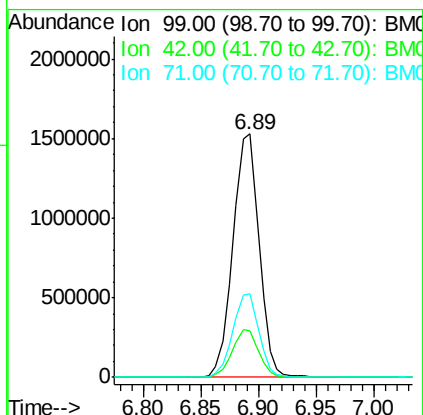
Tot Ion: 99 Resp: 2415327

Ion Ratio Lower Upper

99 100

42 19.1 17.3 25.9

71 34.3 28.0 42.0



#10

Phenol

Concen: 2.12 ng

RT: 6.92 min Scan# 651

Delta R.T. 0.00 min

Lab File: BM018744.D

Acq: 07 Feb 2019 19:05

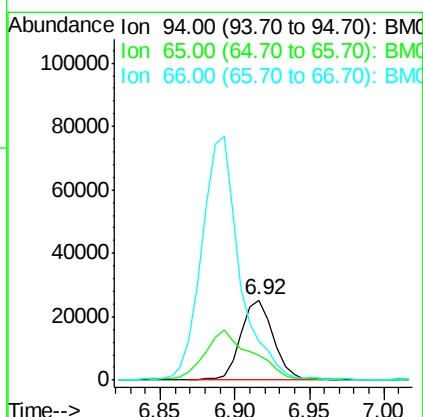
Tgt Ion: 94 Resp: 38083

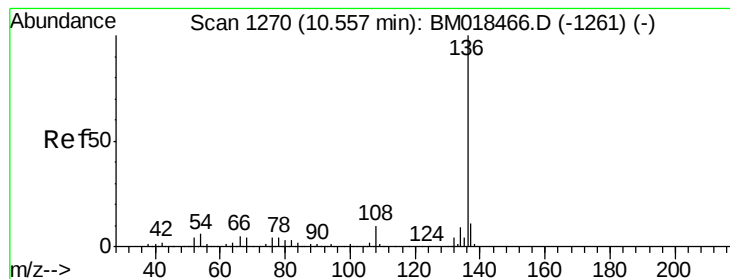
Ion Ratio Lower Upper

94 100

65 31.1 9.4 49.4

66 49.0 19.1 59.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.50 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BM018744.D

Acq: 07 Feb 2019 19:05

Instrument :

BNA_M

ClientSampleId :

SB-03(12-13)

Tot Ion:136 Resp: 950907

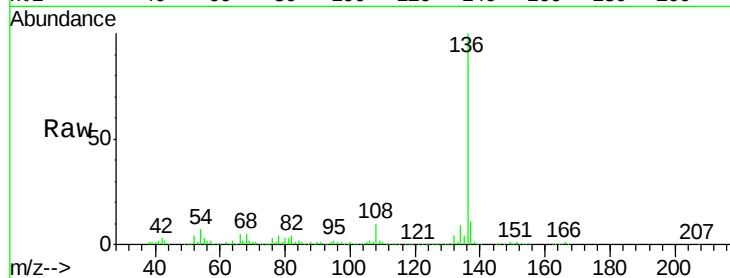
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.8 6.0 9.0

68 5.3 4.5 6.7

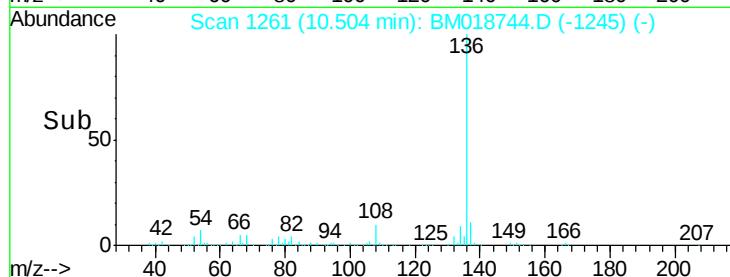


Abundance Ion 136.00 (135.70 to 136.70): E

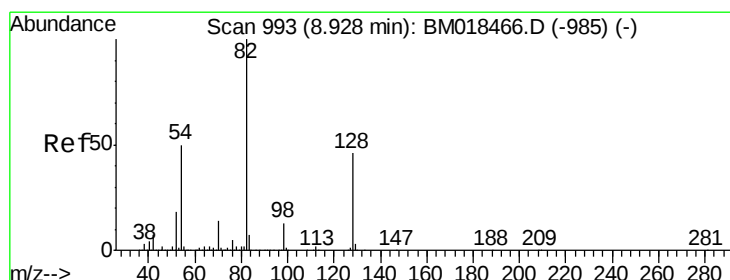
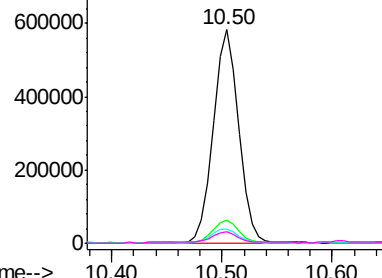
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



Time-->



#23

Nitrobenzene-d5

Concen: 85.66 ng

RT: 8.88 min Scan# 985

Delta R.T. -0.01 min

Lab File: BM018744.D

Acq: 07 Feb 2019 19:05

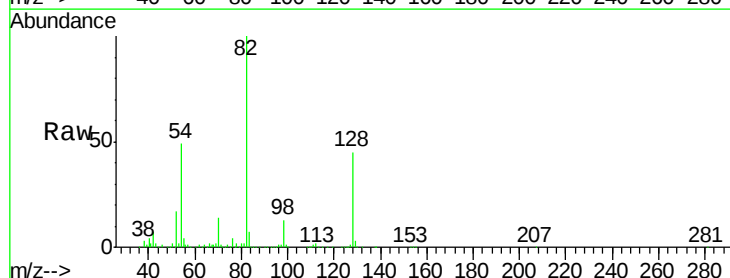
Tgt Ion: 82 Resp: 1405074

Ion Ratio Lower Upper

82 100

128 45.1 36.3 54.5

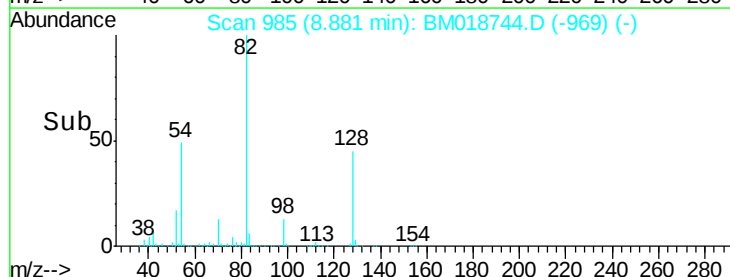
54 49.3 41.7 62.5



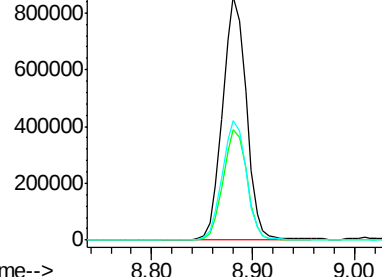
Abundance Ion 82.00 (81.70 to 82.70): BM

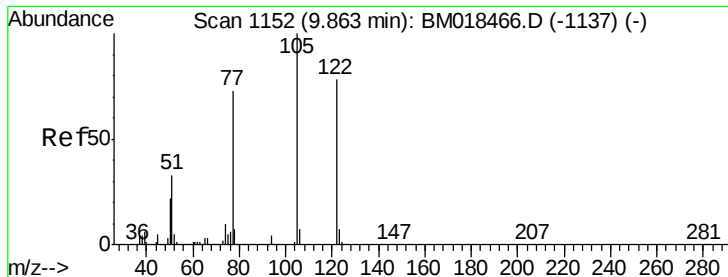
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM



Time-->





#32

Benzoic acid

Concen: 6.54 ng

RT: 9.82 min Scan# 1144

Delta R.T. -0.02 min

Lab File: BM018744.D

Acq: 07 Feb 2019 19:05

Instrument :

BNA_M

ClientSampleId :

SB-03(12-13)

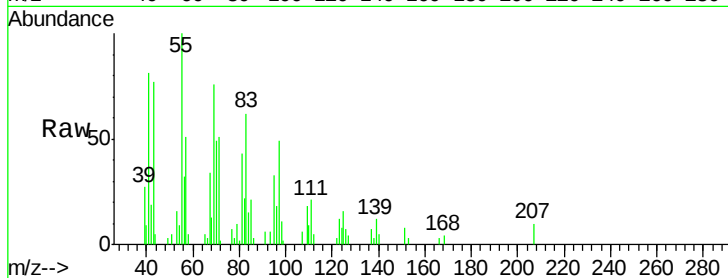
Tot Ion:122 Resp: 381

Ion Ratio Lower Upper

122 100

105 0.0 100.4 140.4#

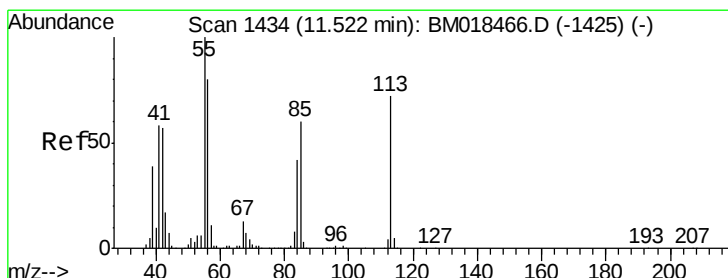
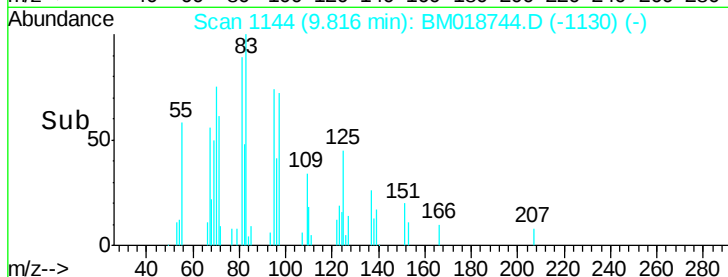
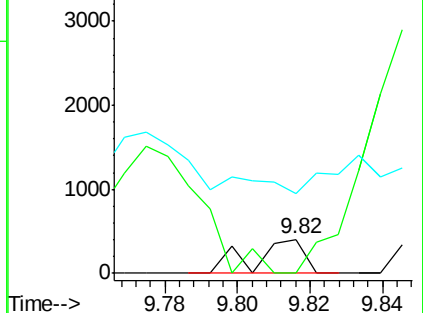
77 237.1 71.7 111.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM



#35

Caprolactam

Concen: 9.76 ng

RT: 11.50 min Scan# 1430

Delta R.T. 0.01 min

Lab File: BM018744.D

Acq: 07 Feb 2019 19:05

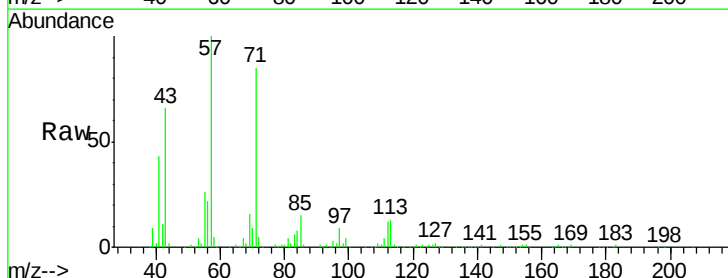
Tgt Ion:113 Resp: 46234

Ion Ratio Lower Upper

113 100

55 203.9 139.3 179.3#

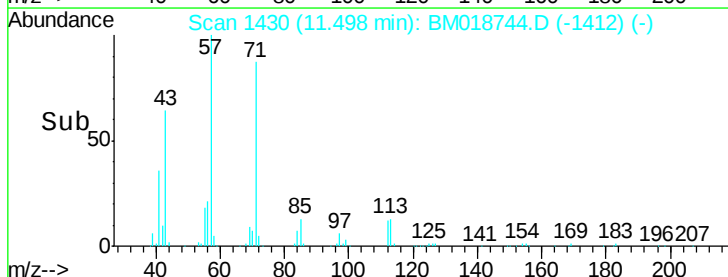
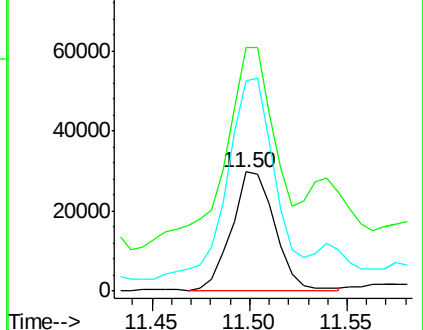
56 176.0 101.4 141.4#

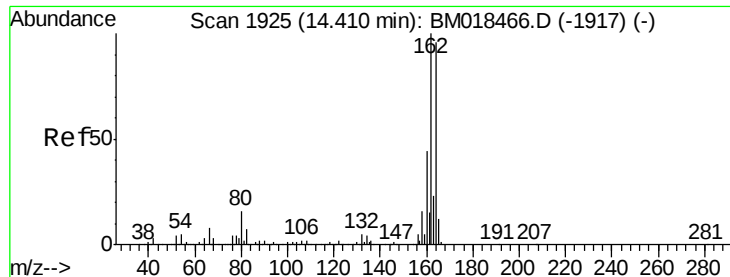


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.36 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BM018744.D

Acq: 07 Feb 2019 19:05

Instrument :

BNA_M

ClientSampleId :

SB-03(12-13)

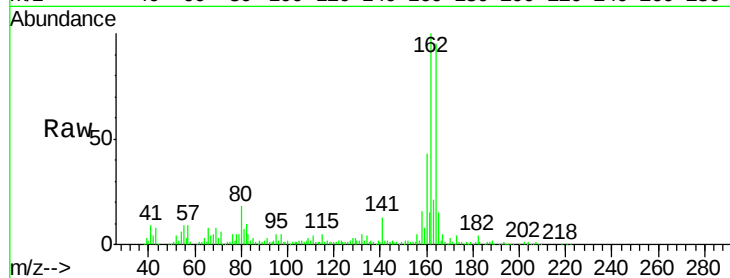
Tot Ion:164 Resp: 475263

Ion Ratio Lower Upper

164 100

162 105.5 83.0 124.4

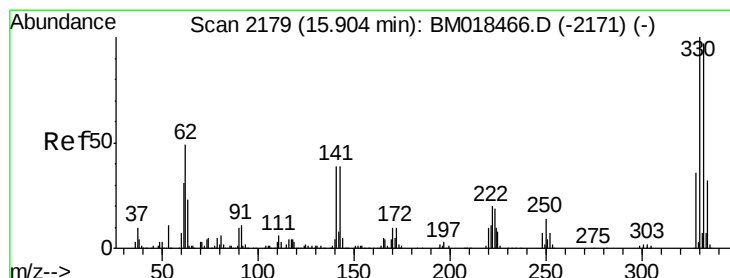
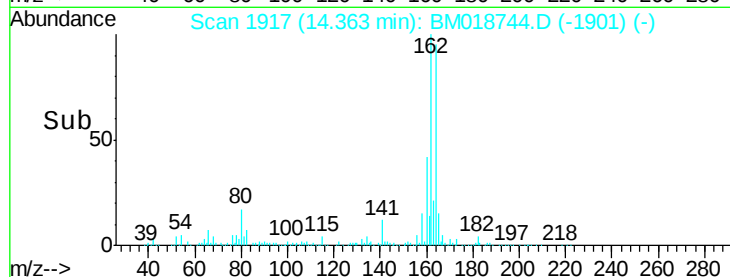
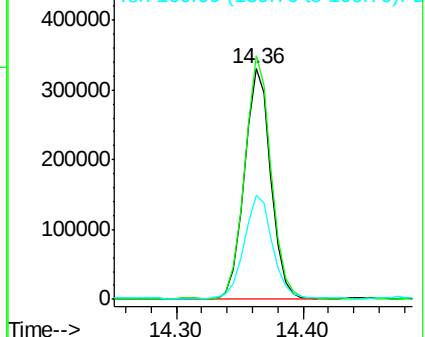
160 44.9 37.1 55.7



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: 129.98 ng

RT: 15.86 min Scan# 2172

Delta R.T. 0.00 min

Lab File: BM018744.D

Acq: 07 Feb 2019 19:05

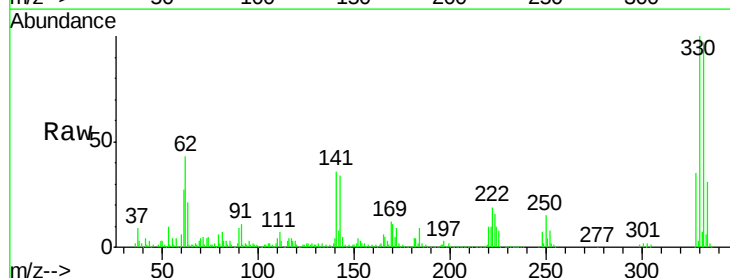
Tgt Ion:330 Resp: 786577

Ion Ratio Lower Upper

330 100

332 96.6 77.6 116.4

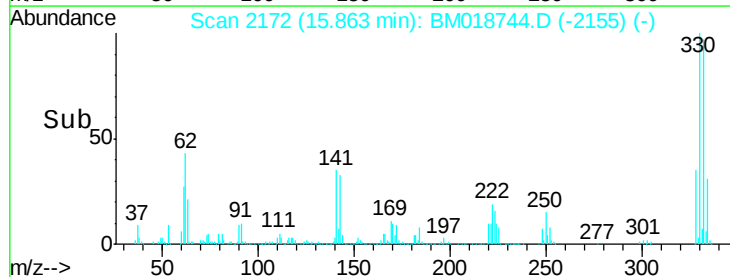
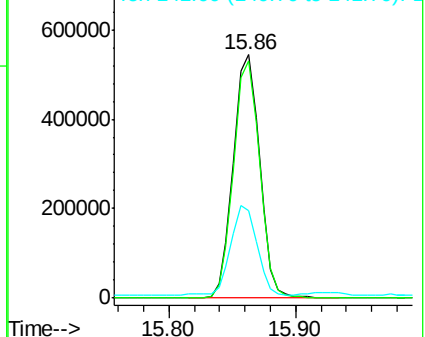
141 36.3 31.7 47.5

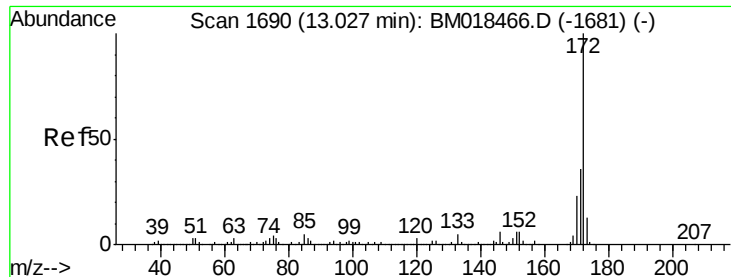


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

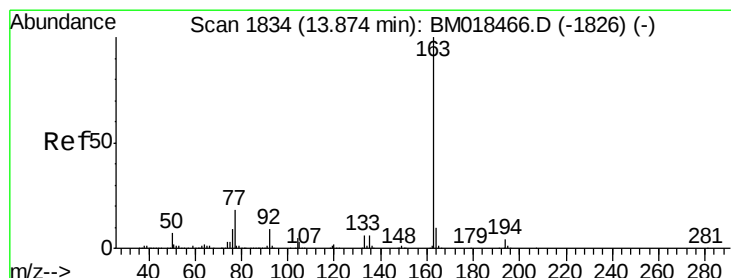
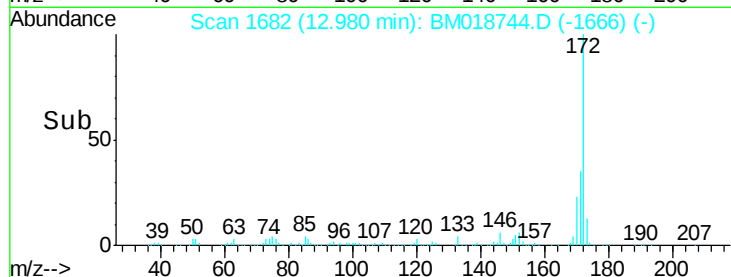
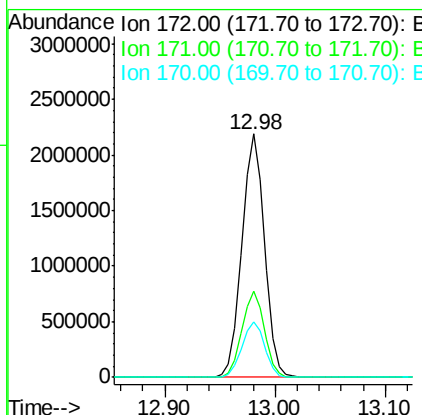
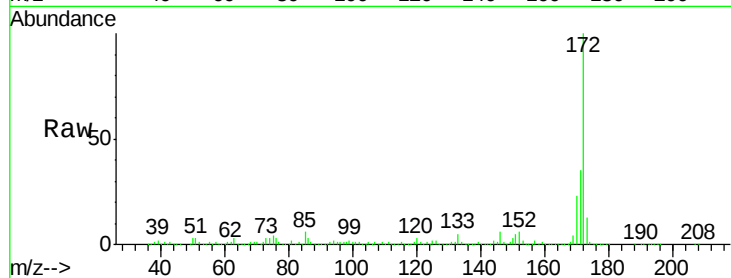




#45
2-Fluorobiphenyl
Concen: 86.78 ng
RT: 12.98 min Scan# 1682
Delta R.T. -0.01 min
Lab File: BM018744.D
Acq: 07 Feb 2019 19:05

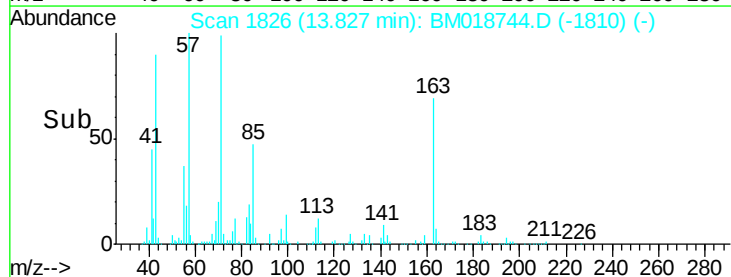
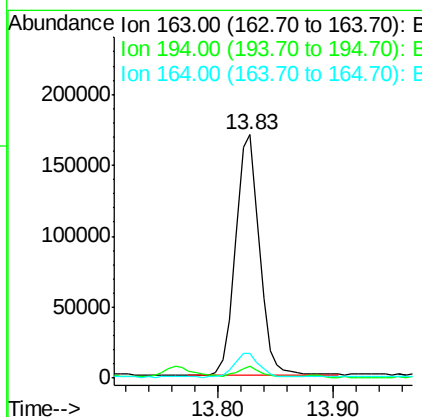
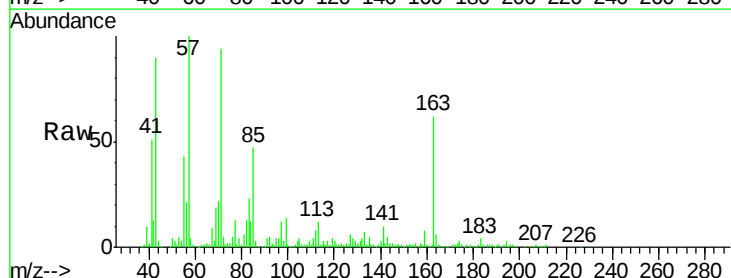
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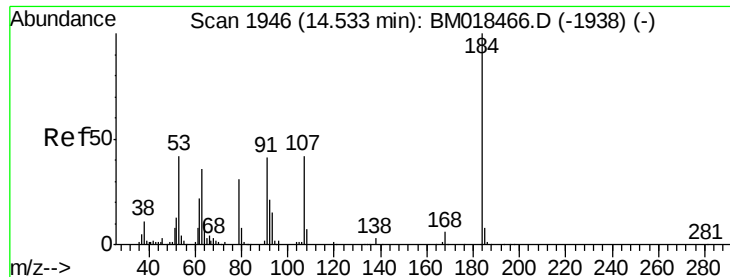
Tot Ion:172 Resp: 3160861
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 22.9 18.9 28.3



#50
Dimethylphthalate
Concen: 6.25 ng
RT: 13.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BM018744.D
Acq: 07 Feb 2019 19:05

Tgt Ion:163 Resp: 244056
Ion Ratio Lower Upper
163 100
194 4.8 3.0 4.6#
164 10.0 7.8 11.8

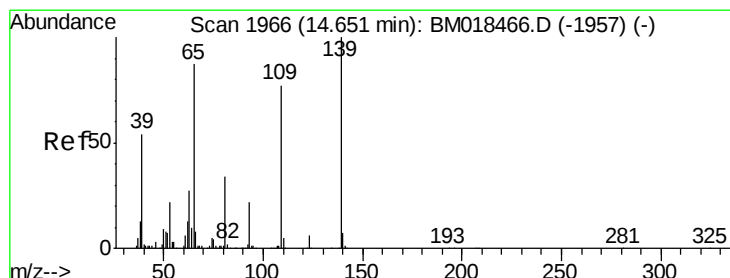
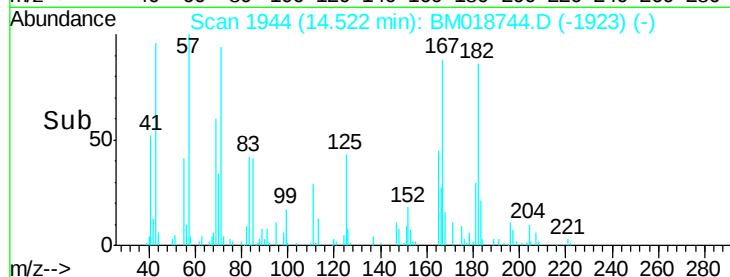
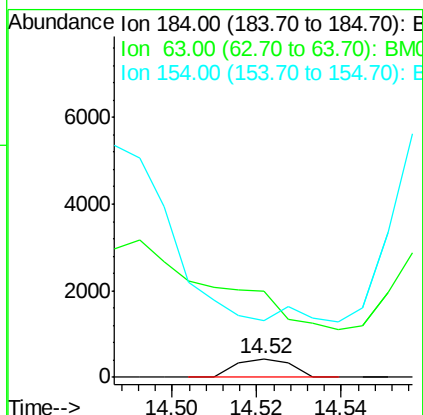
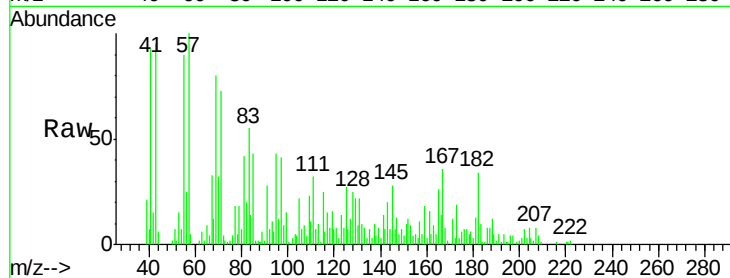




#54
 2,4-Dinitrophenol
 Concen: 7.28 ng
 RT: 14.52 min Scan# 1944
 Delta R.T. 0.02 min
 Lab File: BM018744.D
 Acq: 07 Feb 2019 19:05

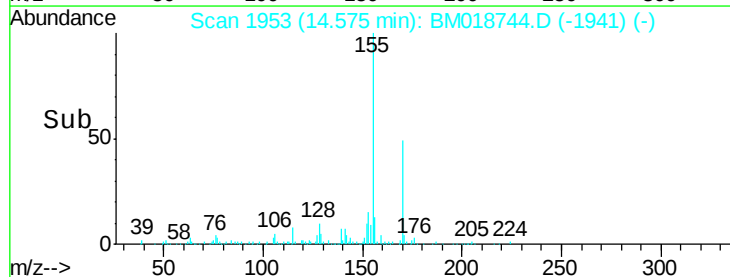
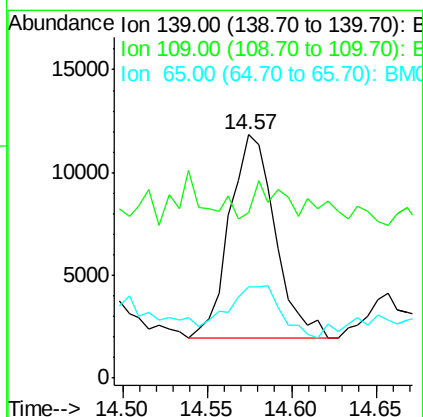
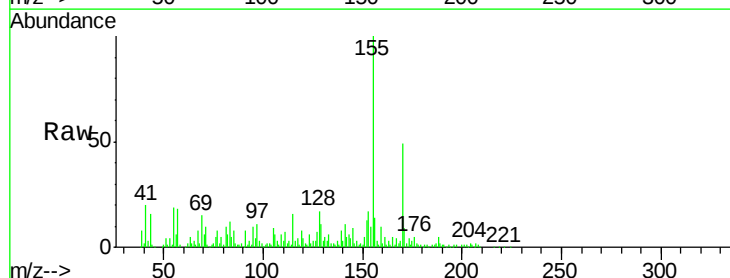
Instrument :
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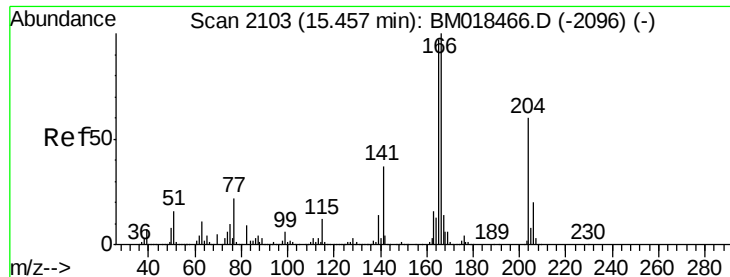
Tot Ion:184 Resp: 385
 Ion Ratio Lower Upper
 184 100
 63 462.9 55.9 83.9#
 154 306.1 54.2 81.4#



#56
 4-Nitrophenol
 Concen: 2.60 ng
 RT: 14.57 min Scan# 1953
 Delta R.T. -0.03 min
 Lab File: BM018744.D
 Acq: 07 Feb 2019 19:05

Tgt Ion:139 Resp: 18700
 Ion Ratio Lower Upper
 139 100
 109 68.1 51.7 91.7
 65 37.2 71.4 111.4#





#58

Fluorene

Concen: 2.66 ng

RT: 15.42 min Scan# 2096

Delta R.T. -0.01 min

Lab File: BM018744.D

Acq: 07 Feb 2019 19:05

Instrument :

BNA_M

ClientSampleId :

SB-03(12-13)

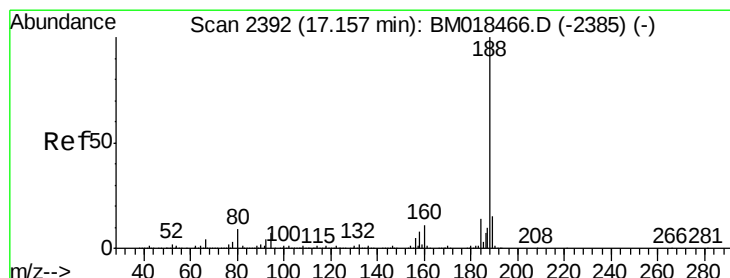
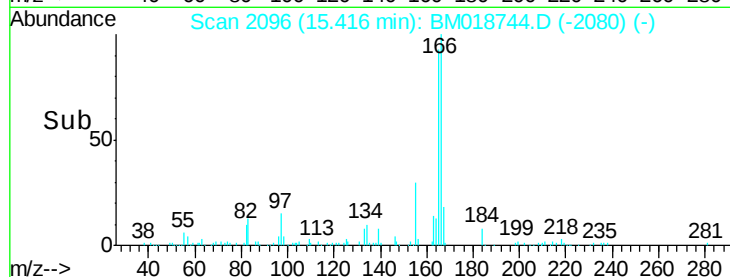
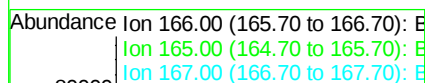
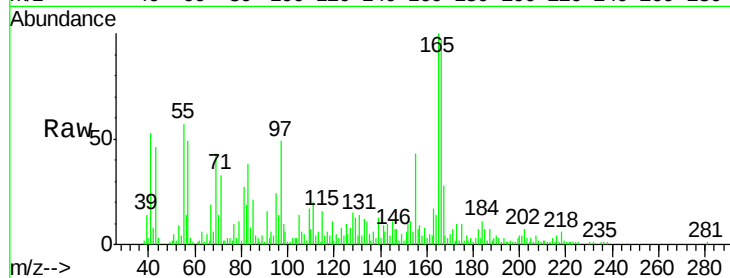
Tot Ion:166 Resp: 94012

Ion Ratio Lower Upper

166 100

165 102.8 78.3 117.5

167 28.4 10.9 16.3#



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.12 min Scan# 2385

Delta R.T. -0.01 min

Lab File: BM018744.D

Acq: 07 Feb 2019 19:05

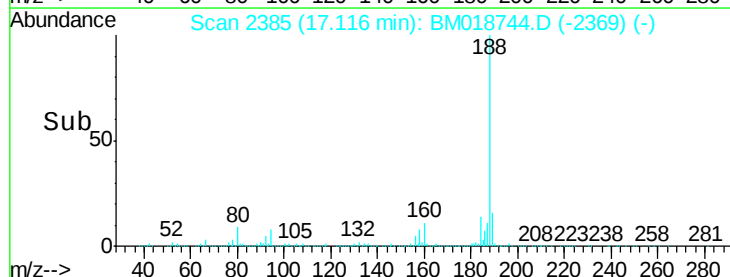
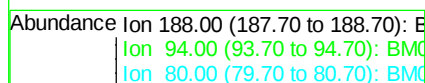
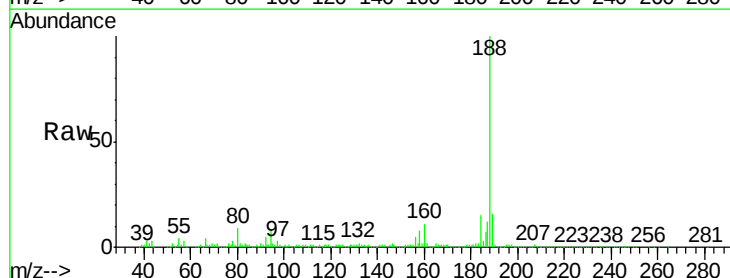
Tgt Ion:188 Resp: 960417

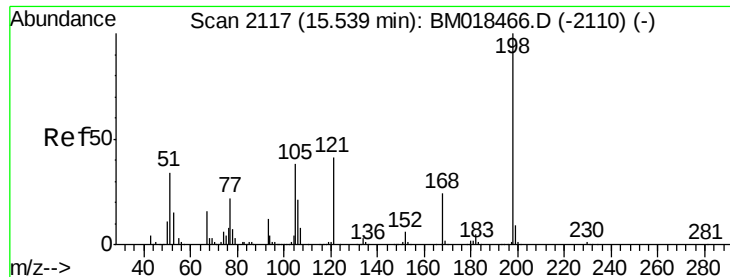
Ion Ratio Lower Upper

188 100

94 7.7 7.1 10.7

80 8.7 7.6 11.4

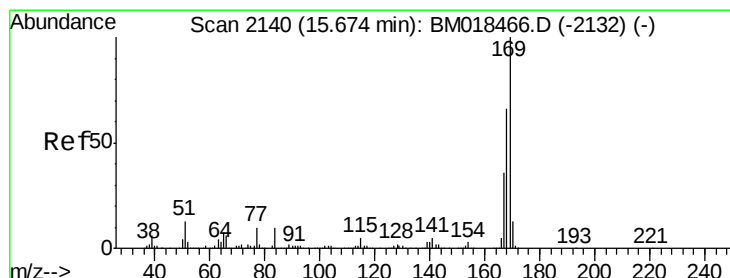
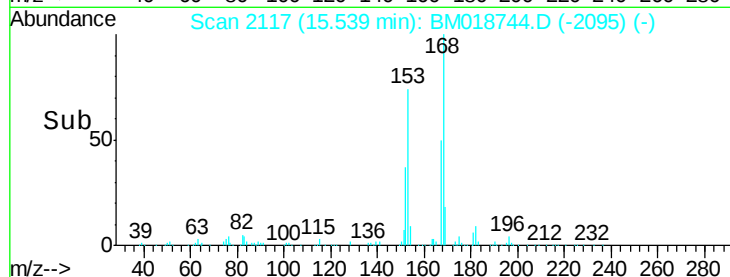
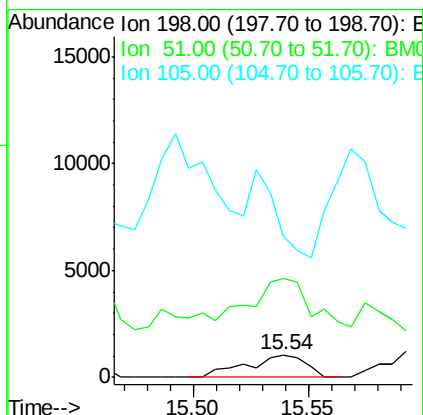
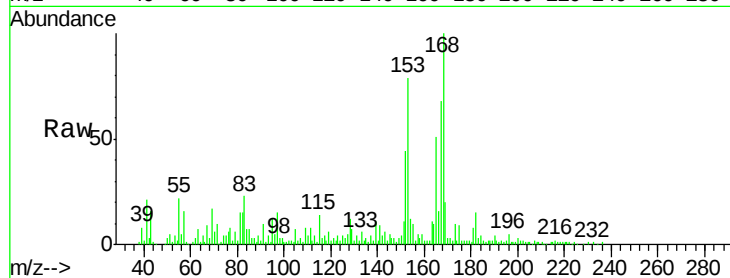




#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.66 ng
 RT: 15.54 min Scan# 2117
 Delta R.T. 0.03 min
 Lab File: BM018744.D
 Acq: 07 Feb 2019 19:05

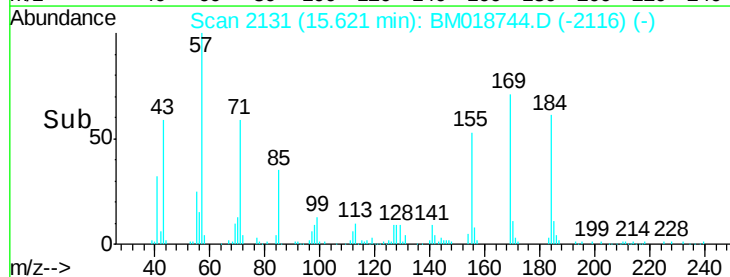
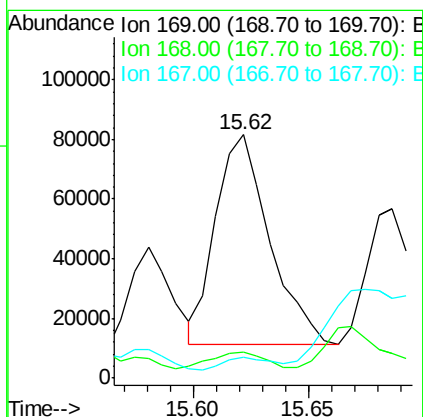
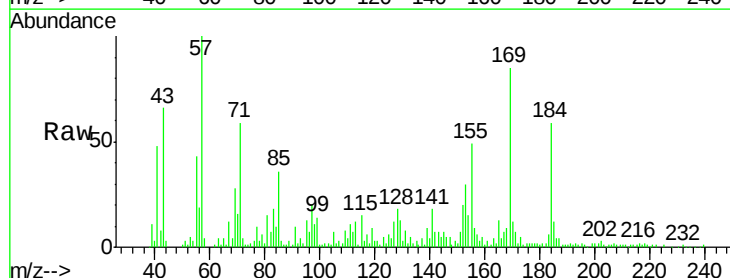
Instrument :
 BNA_M
 ClientSampleId :
 SB-03(12-13)

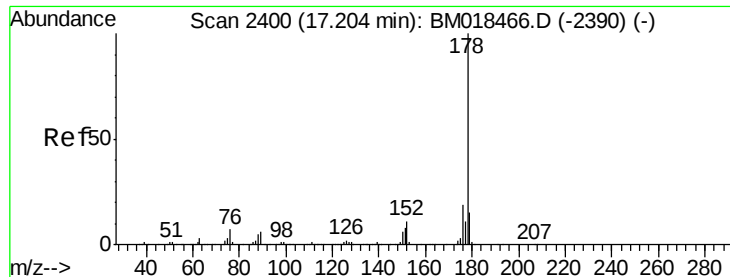
Tot Ion:198 Resp: 1848
 Ion Ratio Lower Upper
 198 100
 51 447.8 29.6 69.6#
 105 635.9 25.5 65.5#



#66
 n-Nitrosodiphenylamine
 Concen: 3.84 ng
 RT: 15.62 min Scan# 2131
 Delta R.T. -0.01 min
 Lab File: BM018744.D
 Acq: 07 Feb 2019 19:05

Tgt Ion:169 Resp: 114295
 Ion Ratio Lower Upper
 169 100
 168 10.7 54.1 81.1#
 167 8.5 28.6 42.8#

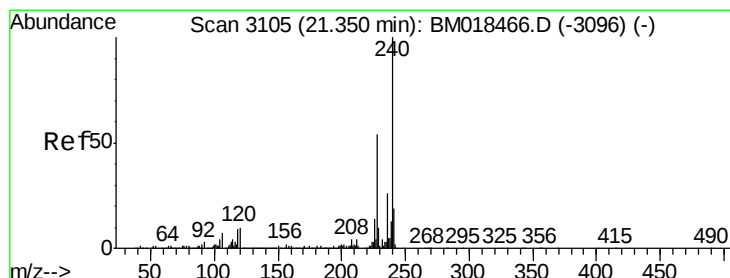
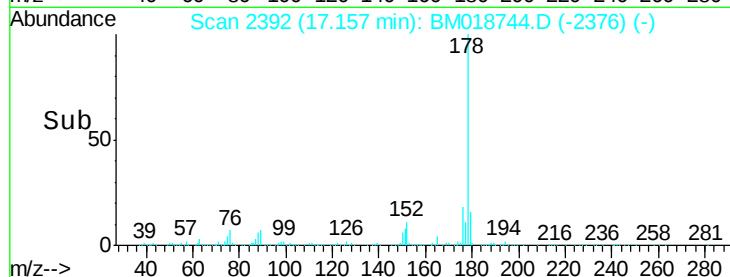
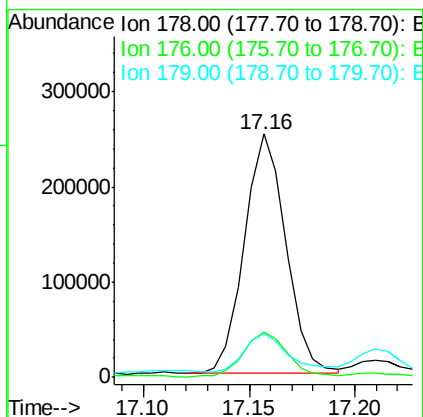
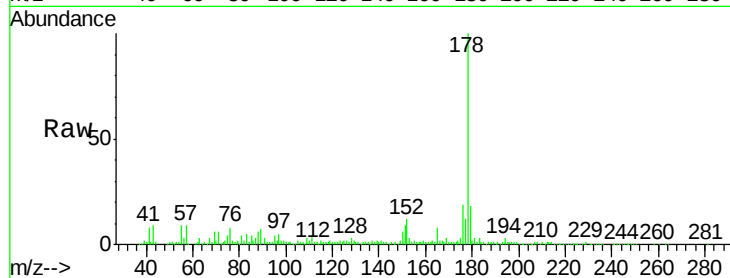




#71
Phenanthrene
Concen: 6.69 ng
RT: 17.16 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BM018744.D
Acq: 07 Feb 2019 19:05

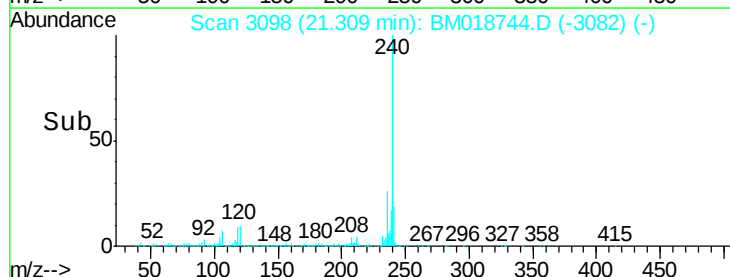
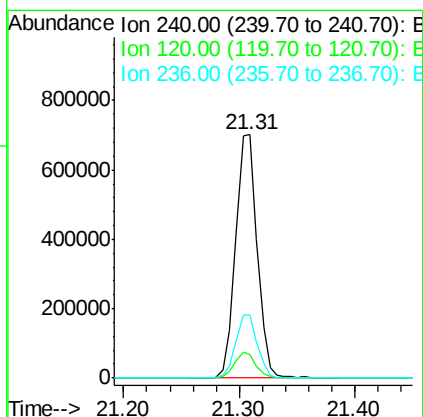
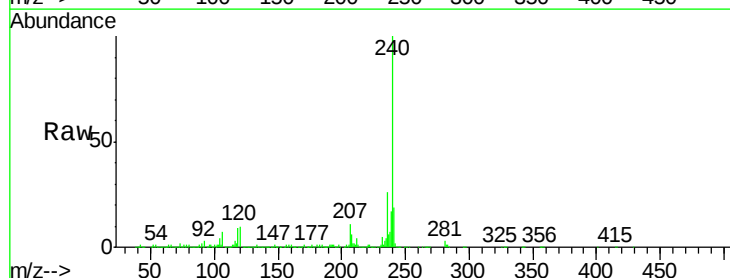
Instrument :
BNA_M
ClientSampleId :
SB-03(12-13)

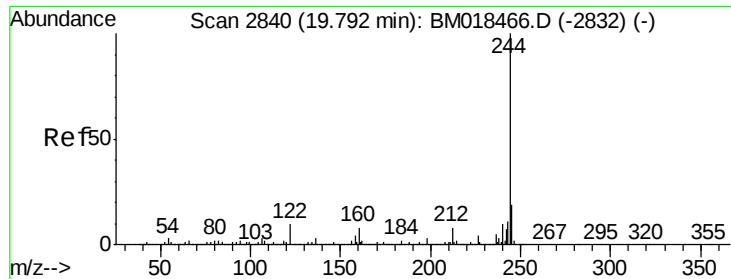
Tot Ion:178 Resp: 341993
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 17.9 12.2 18.4



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.31 min Scan# 3098
Delta R.T. -0.01 min
Lab File: BM018744.D
Acq: 07 Feb 2019 19:05

Tgt Ion:240 Resp: 909562
Ion Ratio Lower Upper
240 100
120 9.6 8.4 12.6
236 25.8 20.7 31.1

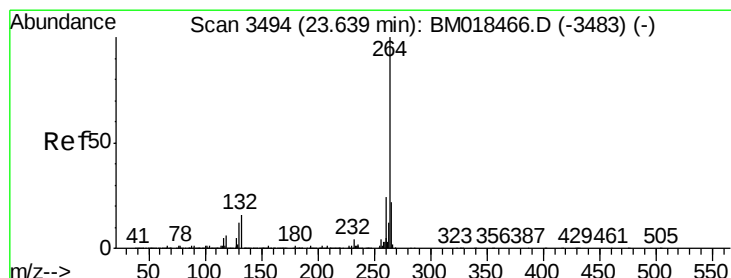
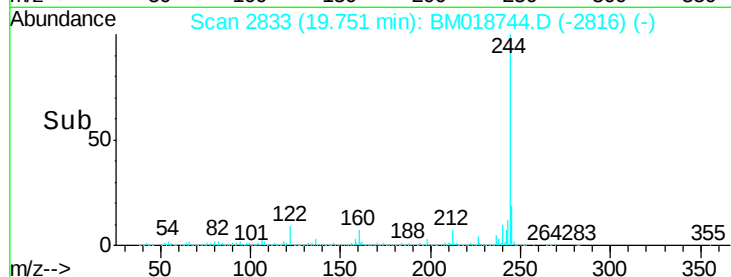
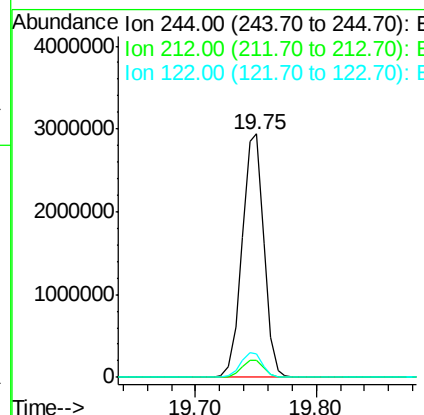
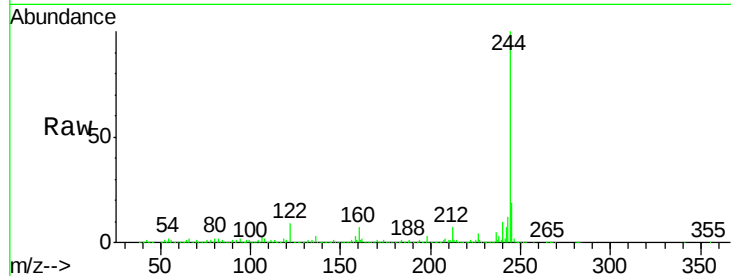




#79
 Terphenyl-d14
 Concen: 85.49 ng
 RT: 19.75 min Scan# 2833
 Delta R.T. 0.00 min
 Lab File: BM018744.D
 Acq: 07 Feb 2019 19:05

Instrument :
 BNA_M
 ClientSampleId :
 SB-03(12-13)

Tot Ion:244 Resp: 3688881
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 9.4 9.0 13.4



#87
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.57 min Scan# 3482
 Delta R.T. -0.01 min
 Lab File: BM018744.D
 Acq: 07 Feb 2019 19:05

Tgt Ion:264 Resp: 958211
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.9 28.3
 265 22.7 16.8 25.2

