

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062219\
 Data File : BM021093.D
 Acq On : 22 Jun 2019 10:10
 Operator : HP/JU
 Sample : K3309-03DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 KY032MW006-190610DL

Quant Time: Jun 24 05:41:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM062019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 20 15:39:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	317400	20.00	ng	0.00
21) Naphthalene-d8	10.57	136	1338390	20.00	ng	0.00
39) Acenaphthene-d10	14.42	164	866383	20.00	ng	0.00
64) Phenanthrene-d10	17.16	188	1990868	20.00	ng	0.00
76) Chrysene-d12	21.34	240	1628274	20.00	ng	0.00
87) Perylene-d12	23.62	264	1654213	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	220466	12.58	ng	0.00
7) Phenol-d6	6.95	99	213674	8.37	ng	0.00
23) Nitrobenzene-d5	8.95	82	401593	15.64	ng	0.00
42) 2,4,6-Tribromophenol	15.91	330	374969	23.06	ng	0.00
45) 2-Fluorobiphenyl	13.03	172	1162428	16.49	ng	0.00
79) Terphenyl-d14	19.79	244	1390527	15.95	ng	0.00

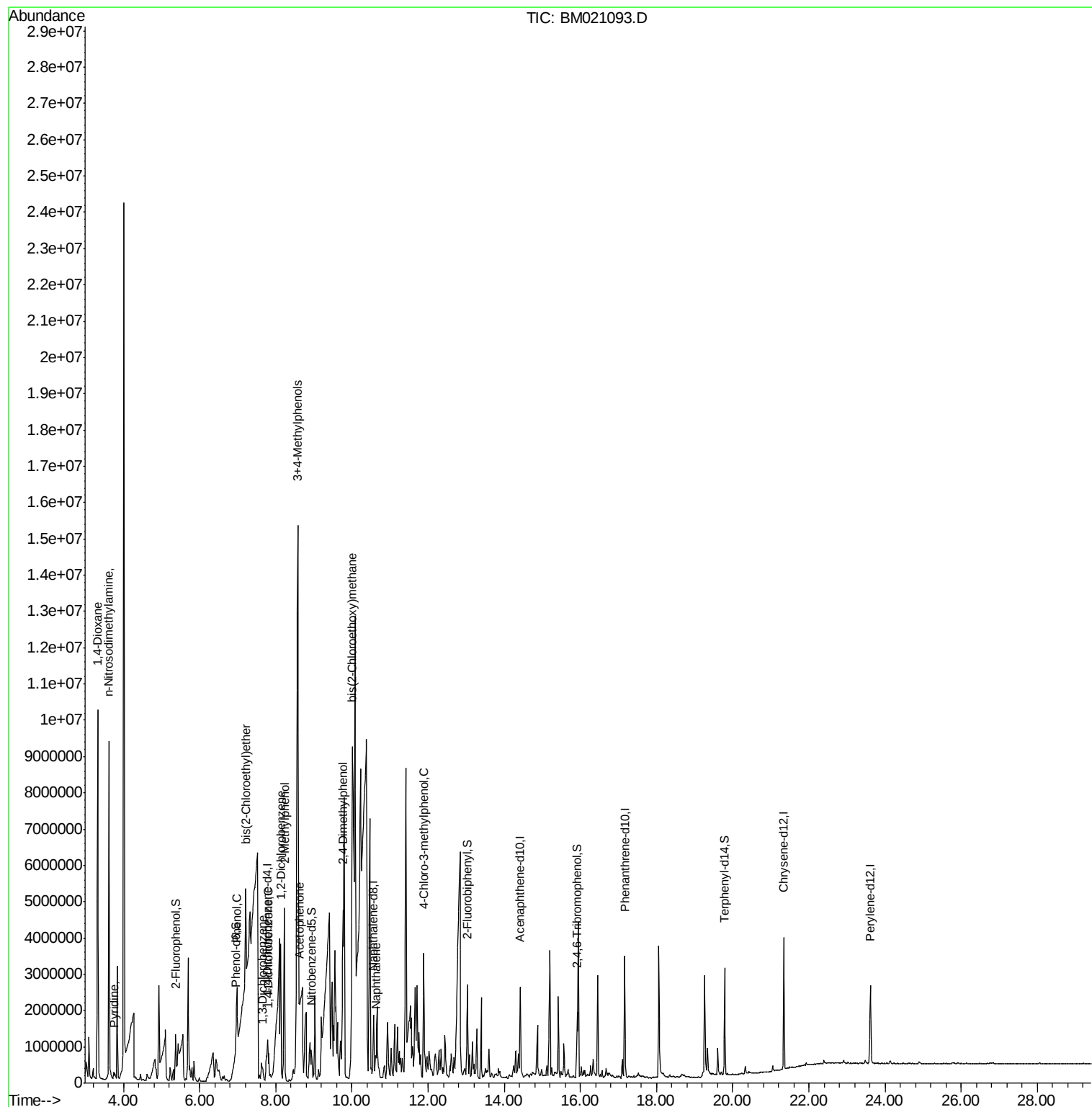
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	5839773	884.271	ng	97
3) Pyridine	3.75	79	45802	2.412	ng	# 30
4) n-Nitrosodimethylamine	3.62	42	372683	50.966	ng	# 1
9) Benzaldehyde	6.93	77	5391	Below Cal		# 70
10) Phenol	6.98	94	936246	35.902	ng	99
11) bis(2-Chloroethyl)ether	7.21	93	1490021	72.168	ng	98
12) 1,3-Dichlorobenzene	7.66	146	55830	2.136	ng	97
13) 1,4-Dichlorobenzene	7.81	146	274755	10.340	ng	99
14) 1,2-Dichlorobenzene	8.13	146	1305808	50.143	ng	99
17) 2-Methylphenol	8.23	107	1291920	69.355	ng	100
20) 3+4-Methylphenols	8.57	107	8627969	336.496	ng	99
22) Acetophenone	8.61	105	115199	3.378	ng	# 84
27) 2,4-Dimethylphenol	9.76	122	1524345	83.903	ng	99
28) bis(2-Chloroethoxy)methane	10.00	93	306295	10.258	ng	# 1
31) Naphthalene	10.62	128	504294	7.120	ng	99
36) 4-Chloro-3-methylphenol	11.89	107	160017	6.688	ng	# 20

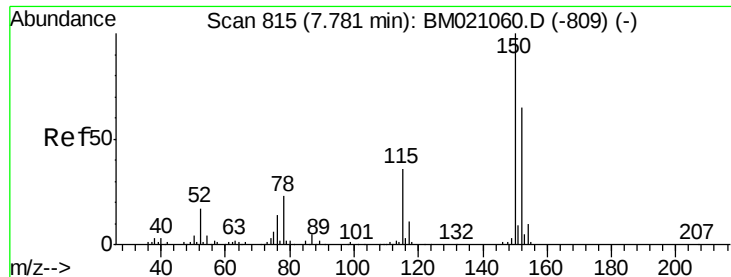
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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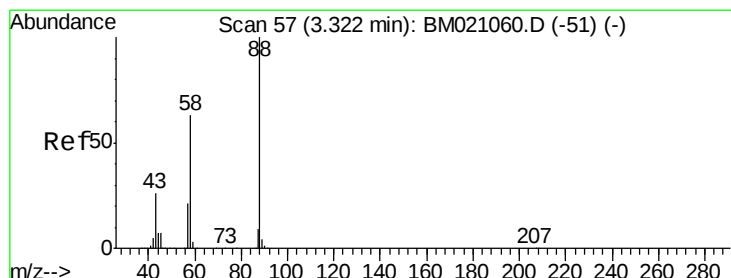
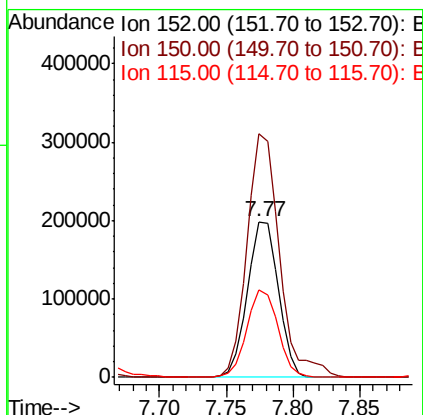
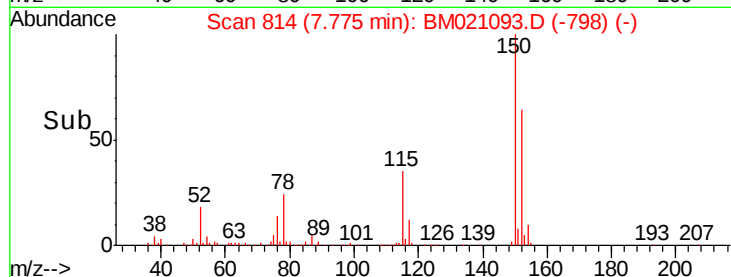
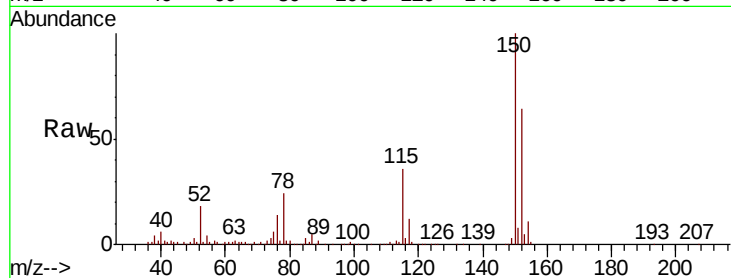


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.77 min Scan# 814
Delta R.T. -0.01 min
Lab File: BM021093.D
Acq: 22 Jun 2019 10:10

Instrument :
BNA_M
ClientSampleId :
KY032MW006-190610DL

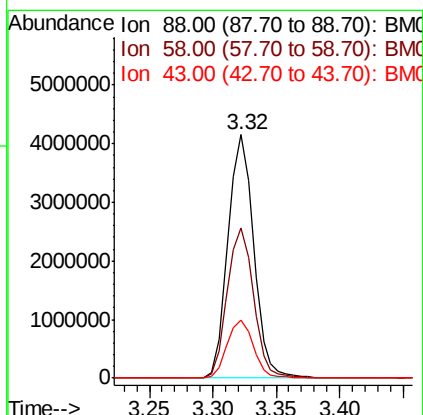
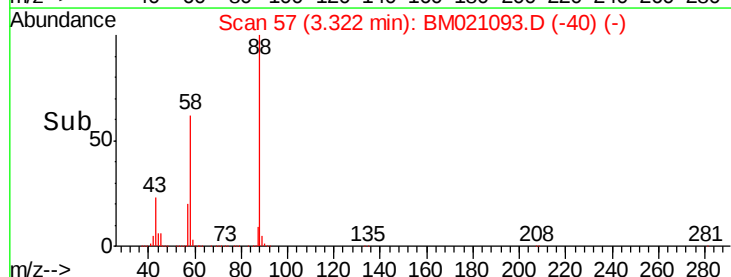
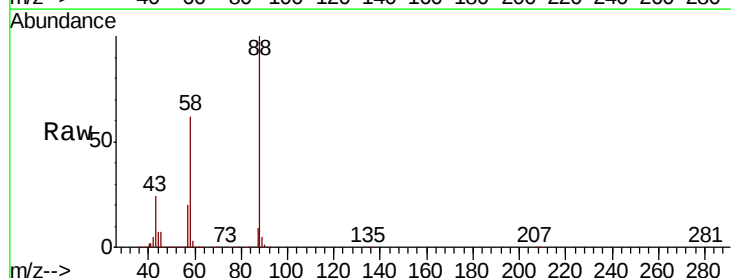
Tgt Ion:152 Resp: 317400
Ion Ratio Lower Upper
152 100
150 156.6 123.1 184.7
115 56.3 44.2 66.4

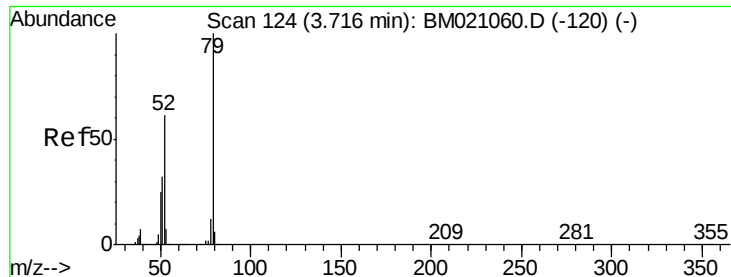


#2

1,4-Dioxane
Concen: 884.271 ng
RT: 3.32 min Scan# 57
Delta R.T. 0.00 min
Lab File: BM021093.D
Acq: 22 Jun 2019 10:10

Tgt Ion: 88 Resp: 5839773
Ion Ratio Lower Upper
88 100
58 63.1 51.9 77.9
43 24.3 21.4 32.2





#3

Pyridine

Concen: 2.412 ng

RT: 3.75 min Scan# 129

Delta R.T. 0.03 min

Lab File: BM021093.D

Acq: 22 Jun 2019 10:10

Instrument :

BNA_M

ClientSampleId :

KY032MW006-190610DL

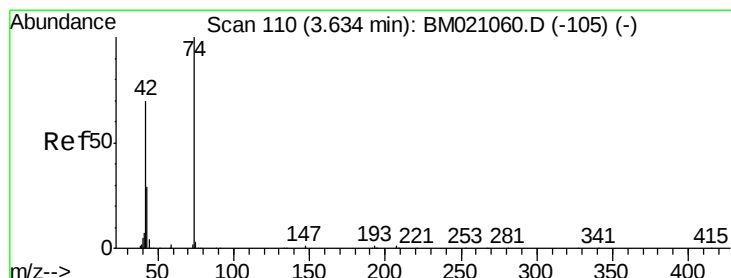
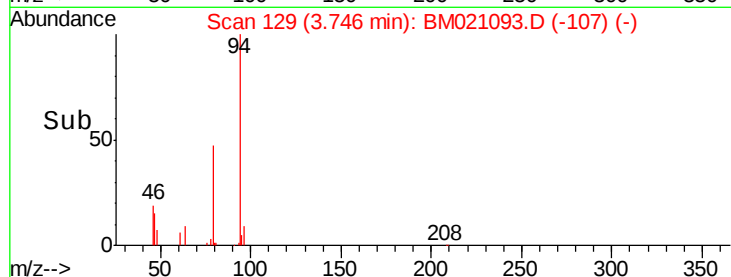
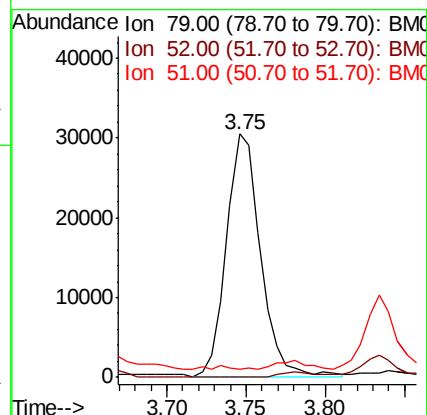
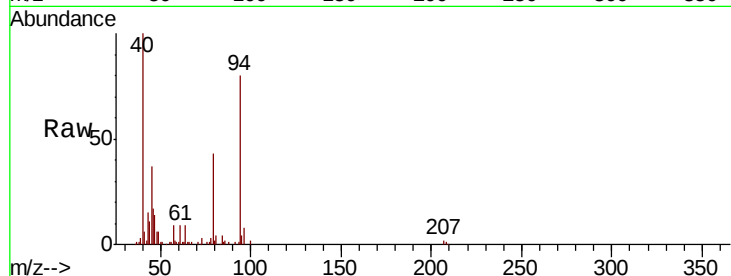
Tgt Ion: 79 Resp: 45802

Ion Ratio Lower Upper

79 100

52 0.0 48.8 73.2#

51 3.4 25.7 38.5#



#4

n-Nitrosodimethylamine

Concen: 50.966 ng

RT: 3.62 min Scan# 108

Delta R.T. -0.01 min

Lab File: BM021093.D

Acq: 22 Jun 2019 10:10

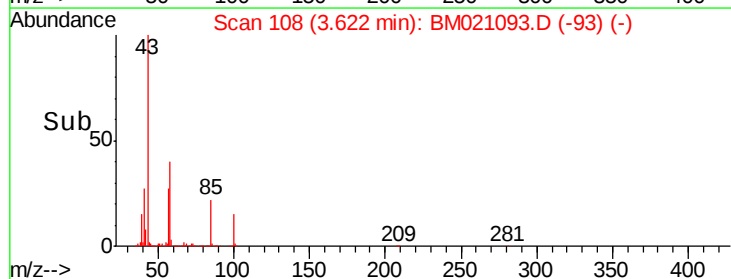
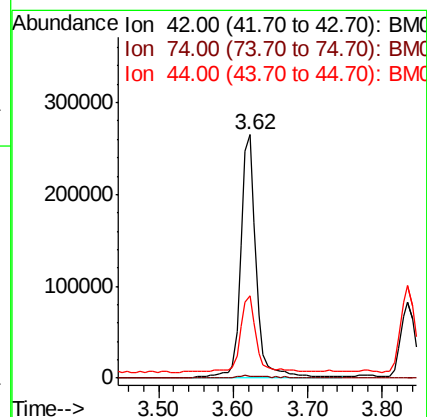
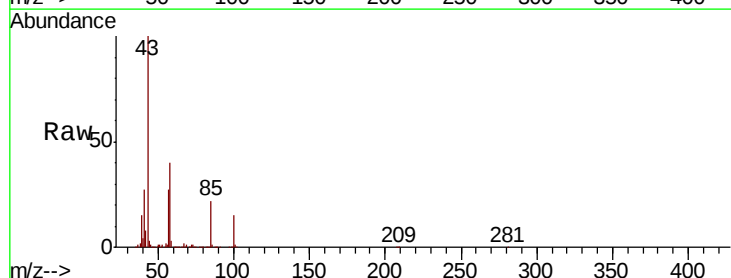
Tgt Ion: 42 Resp: 372683

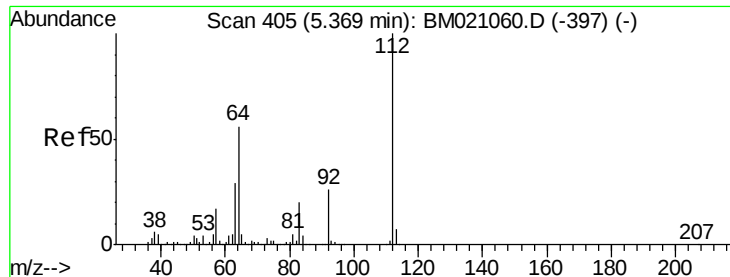
Ion Ratio Lower Upper

42 100

74 0.9 113.8 170.6#

44 33.7 8.2 12.2#





#5

2-Fluorophenol

Concen: 12.577 ng

RT: 5.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: BM021093.D

Acq: 22 Jun 2019 10:10

Instrument :

BNA_M

ClientSampleId :

KY032MW006-190610DL

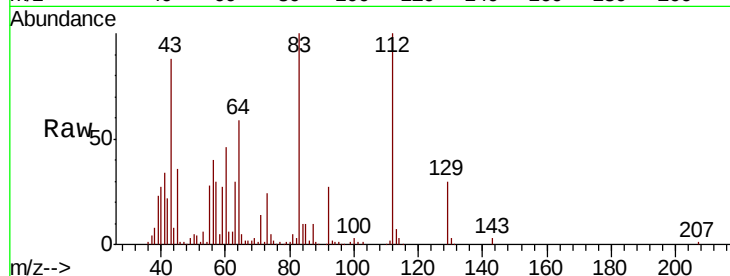
Tgt Ion: 112 Resp: 220466

Ion Ratio Lower Upper

112 100

64 59.0 45.2 67.8

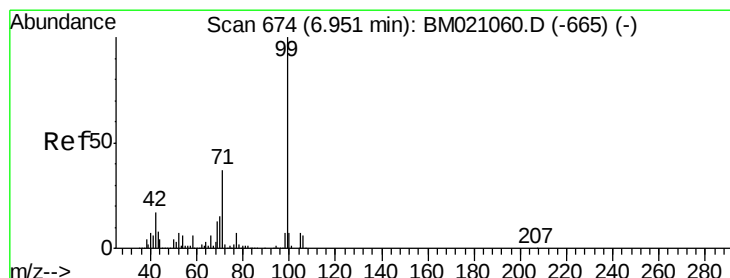
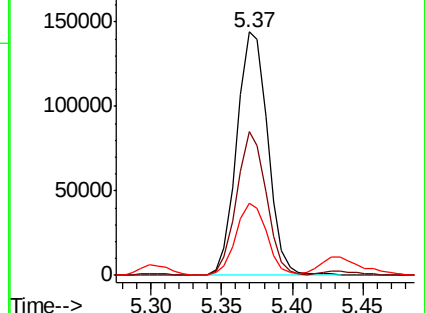
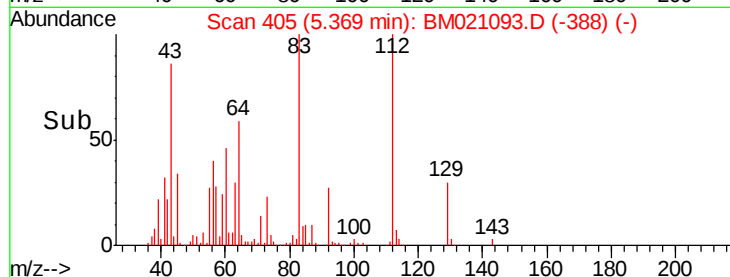
63 29.7 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#7

Phenol-d6

Concen: 8.371 ng

RT: 6.95 min Scan# 674

Delta R.T. 0.00 min

Lab File: BM021093.D

Acq: 22 Jun 2019 10:10

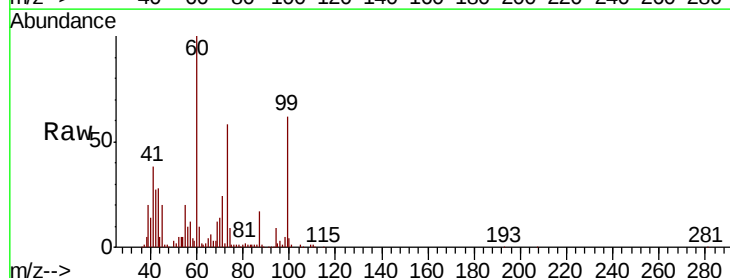
Tgt Ion: 99 Resp: 213674

Ion Ratio Lower Upper

99 100

42 43.4 13.5 20.3#

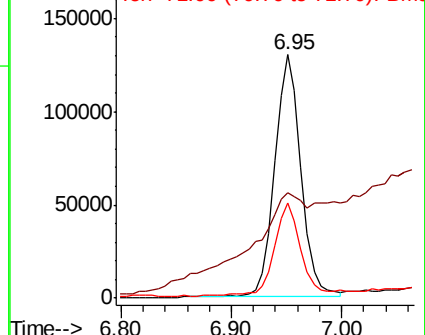
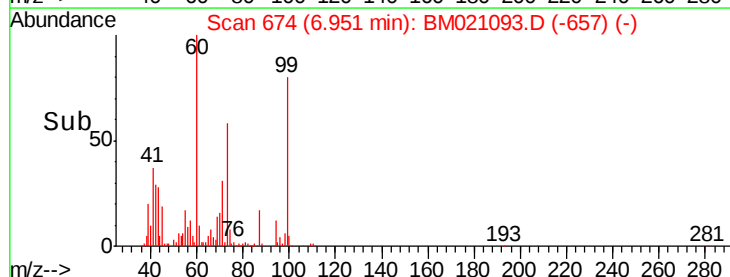
71 38.9 29.3 43.9

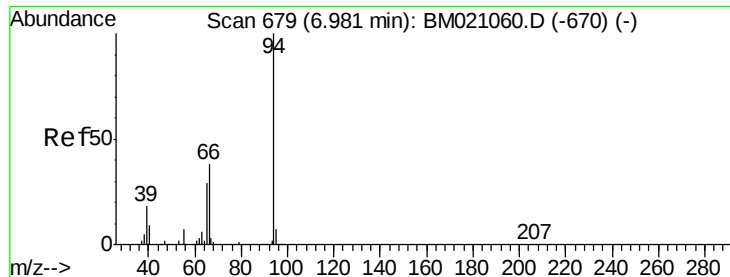


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#10

Phenol

Concen: 35.902 ng

RT: 6.98 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM021093.D

Acq: 22 Jun 2019 10:10

Instrument :

BNA_M

ClientSampleId :

KY032MW006-190610DL

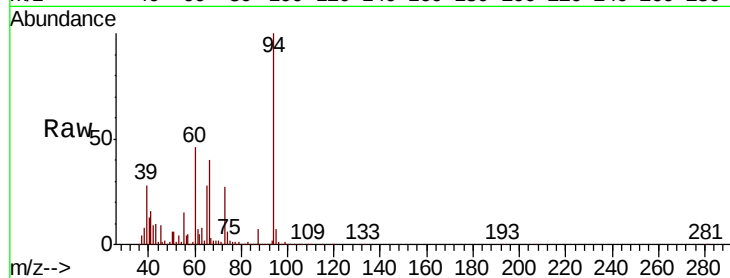
Tgt Ion: 94 Resp: 936246

Ion Ratio Lower Upper

94 100

65 28.4 8.7 48.7

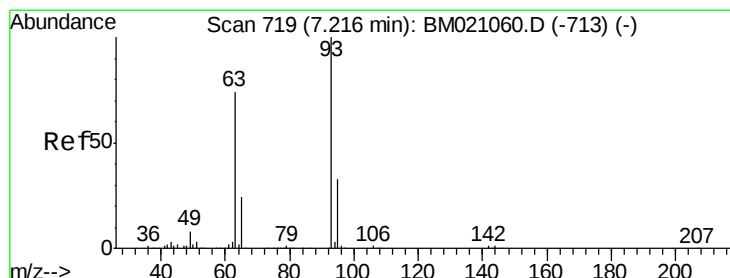
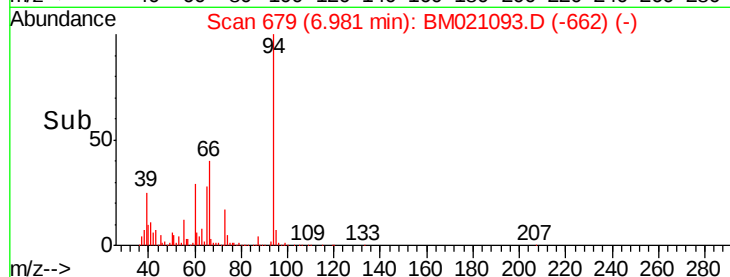
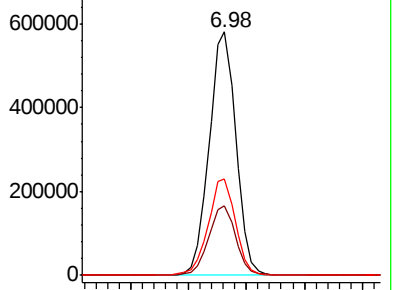
66 39.6 19.0 59.0



Abundance Ion 94.00 (93.70 to 94.70): BM021060.D (-670) (-)

Ion 65.00 (64.70 to 65.70): BM021060.D (-670) (-)

Ion 66.00 (65.70 to 66.70): BM021060.D (-670) (-)



#11

bis(2-Chloroethyl)ether

Concen: 72.168 ng

RT: 7.21 min Scan# 718

Delta R.T. -0.01 min

Lab File: BM021093.D

Acq: 22 Jun 2019 10:10

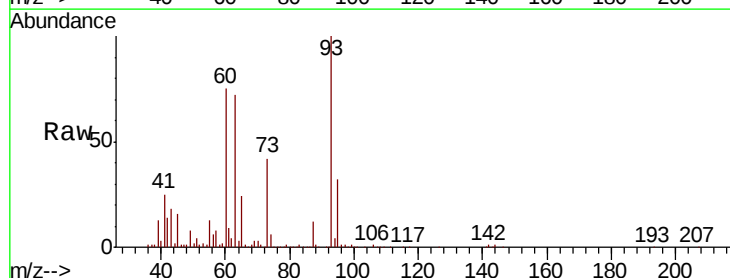
Tgt Ion: 93 Resp: 1490021

Ion Ratio Lower Upper

93 100

63 72.2 53.4 93.4

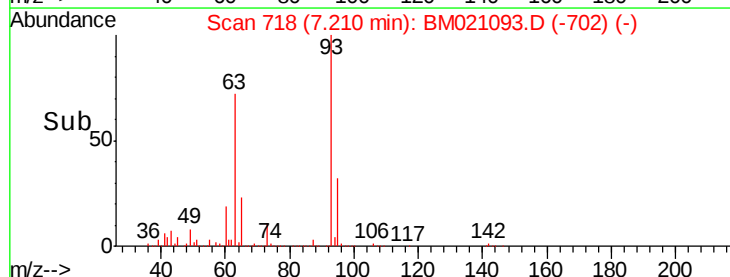
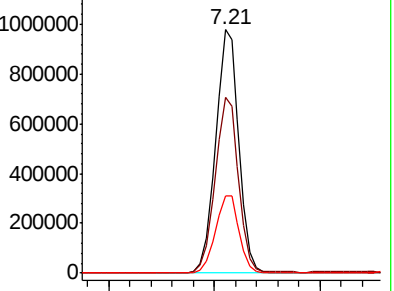
95 31.9 13.0 53.0

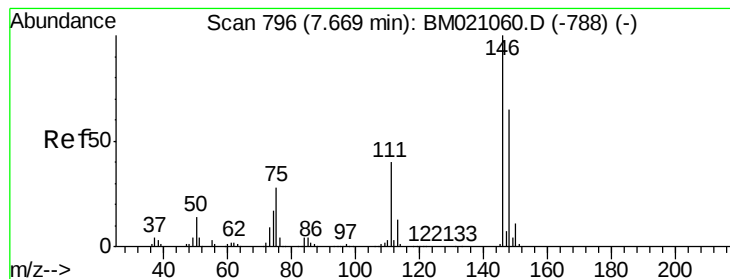


Abundance Ion 93.00 (92.70 to 93.70): BM021060.D (-713) (-)

Ion 63.00 (62.70 to 63.70): BM021060.D (-713) (-)

Ion 95.00 (94.70 to 95.70): BM021060.D (-713) (-)





#12

1,3-Dichlorobenzene

Concen: 2.136 ng

RT: 7.66 min Scan# 795

Delta R.T. -0.01 min

Lab File: BM021093.D

Acq: 22 Jun 2019 10:10

Instrument :

BNA_M

ClientSampleId :

KY032MW006-190610DL

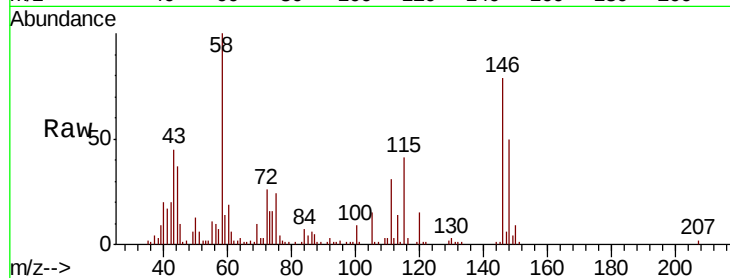
Tgt Ion:146 Resp: 55830

Ion Ratio Lower Upper

146 100

148 63.2 52.2 78.2

75 30.6 22.2 33.4

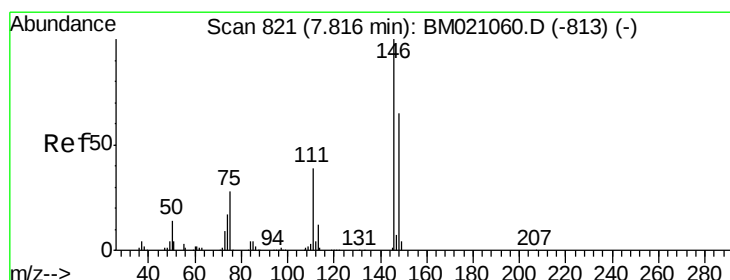
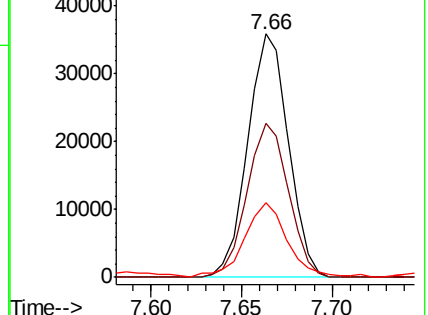
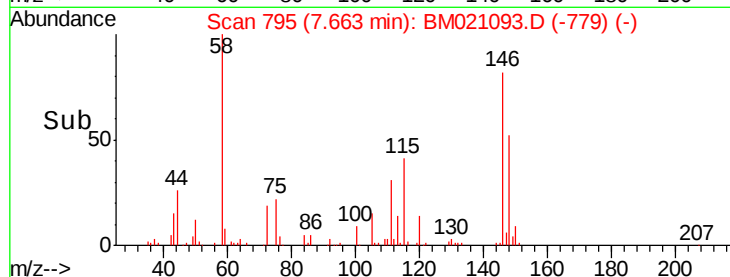


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BM



#13

1,4-Dichlorobenzene

Concen: 10.340 ng

RT: 7.81 min Scan# 820

Delta R.T. -0.01 min

Lab File: BM021093.D

Acq: 22 Jun 2019 10:10

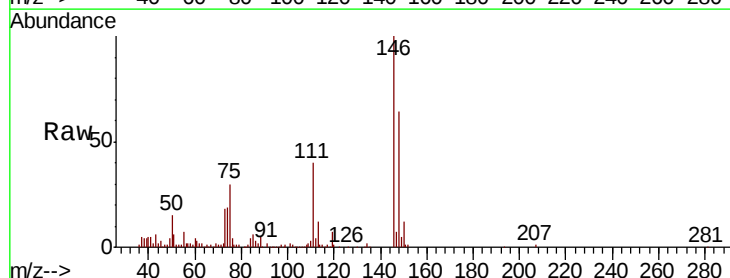
Tgt Ion:146 Resp: 274755

Ion Ratio Lower Upper

146 100

148 63.8 51.9 77.9

111 39.7 31.4 47.0

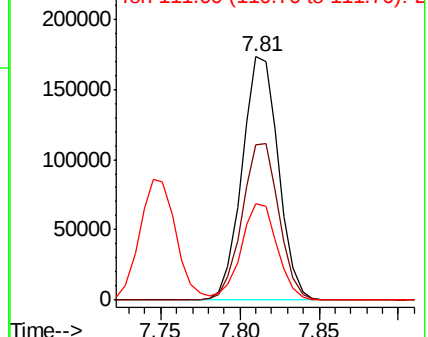
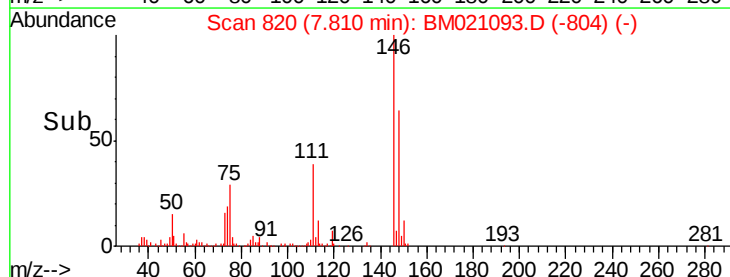


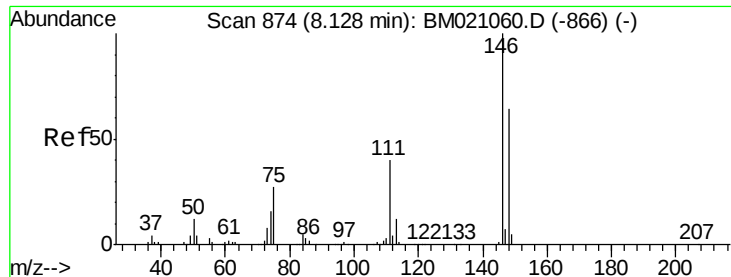
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 50.143 ng

RT: 8.13 min Scan# 874

Delta R.T. 0.00 min

Lab File: BM021093.D

Acq: 22 Jun 2019 10:10

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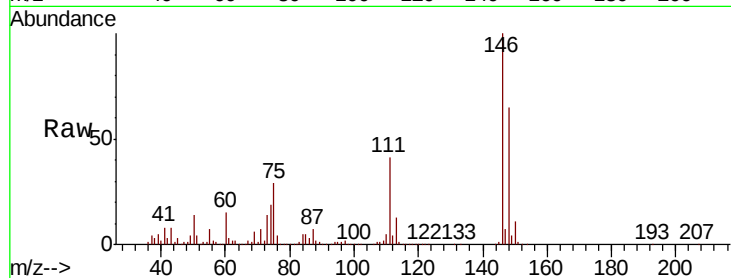
Tgt Ion:146 Resp: 1305808

Ion Ratio Lower Upper

146 100

148 65.2 51.2 76.8

111 40.7 32.8 49.2

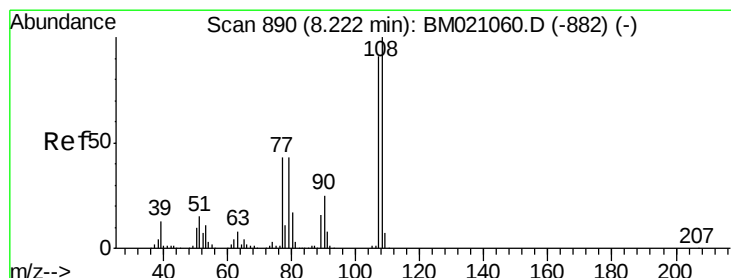
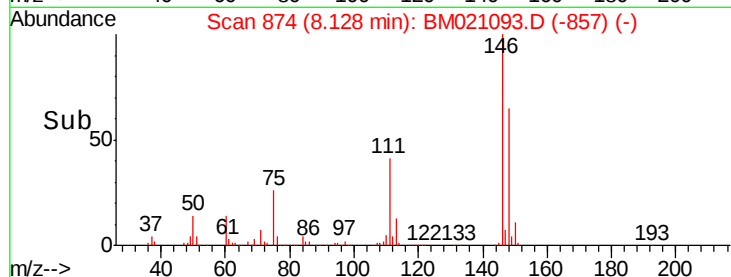
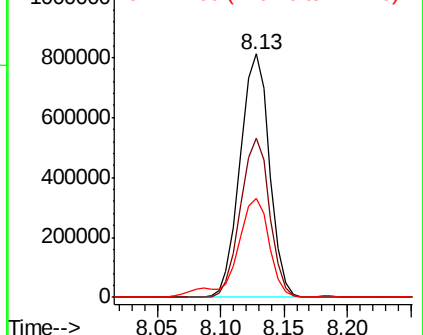


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#17

2-Methylphenol

Concen: 69.355 ng

RT: 8.23 min Scan# 891

Delta R.T. 0.01 min

Lab File: BM021093.D

Acq: 22 Jun 2019 10:10

Tgt Ion:107 Resp: 1291920

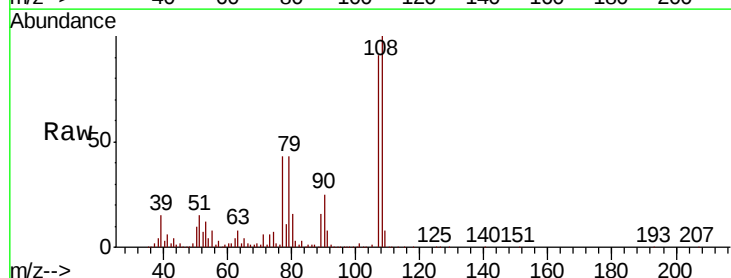
Ion Ratio Lower Upper

107 100

108 110.0 87.5 131.3

77 47.5 37.8 56.8

79 46.8 37.5 56.3



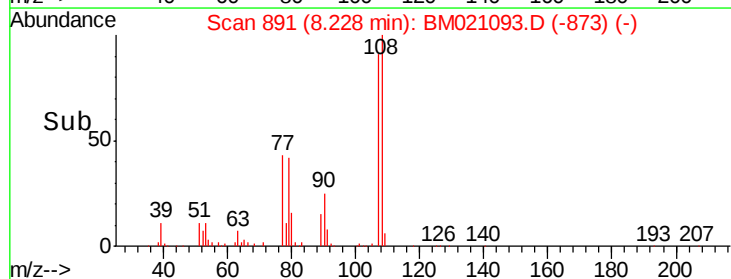
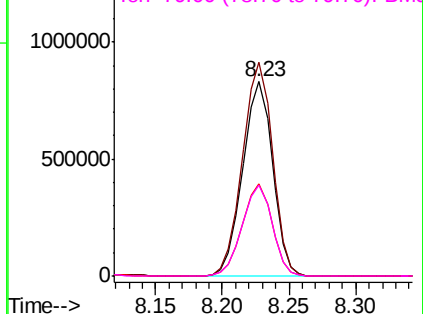
Abundance

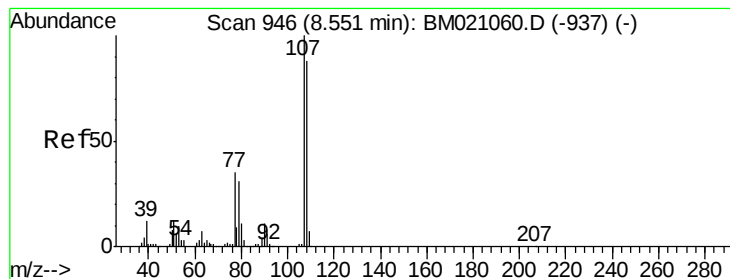
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0





#20

3+4-Methylphenols

Concen: 336.496 ng

RT: 8.57 min Scan# 950

Delta R.T. 0.02 min

Lab File: BM021093.D

Acq: 22 Jun 2019 10:10

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:107 Resp: 8627969

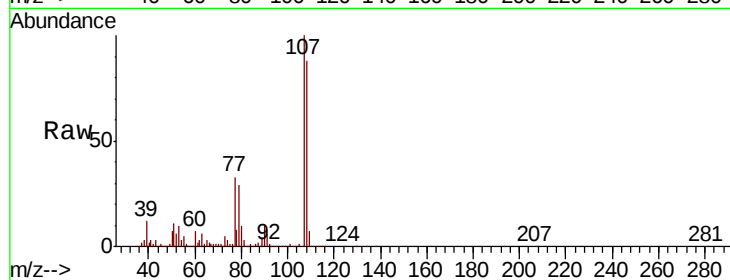
Ion Ratio Lower Upper

107 100

108 87.8 67.9 107.9

77 33.0 14.6 54.6

79 29.2 10.8 50.8

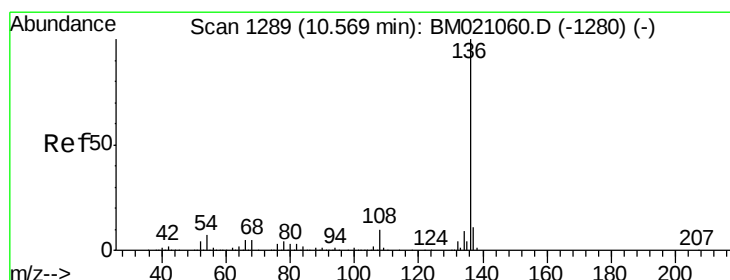
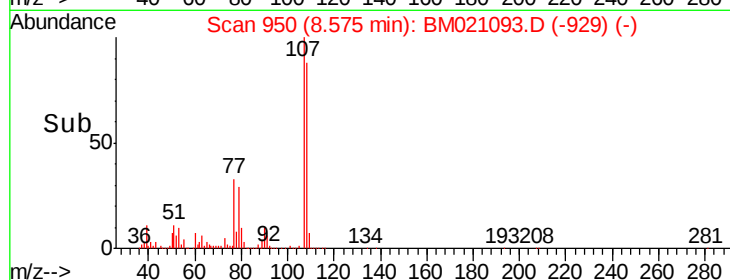
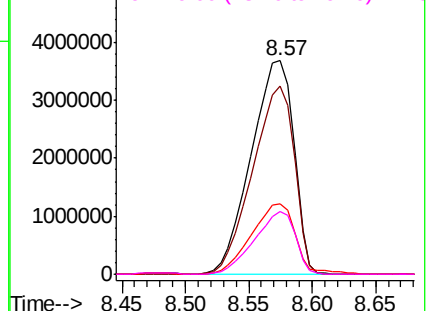


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.57 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BM021093.D

Acq: 22 Jun 2019 10:10

Tgt Ion:136 Resp: 1338390

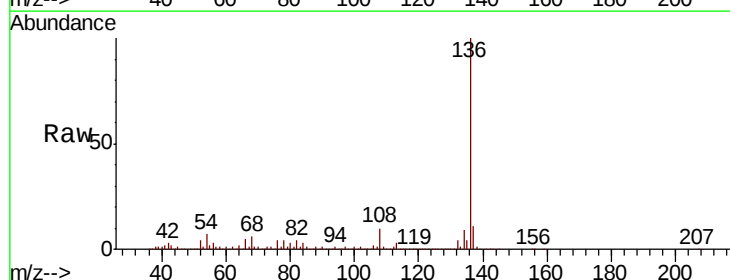
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 7.0 5.3 7.9

68 5.5 4.4 6.6

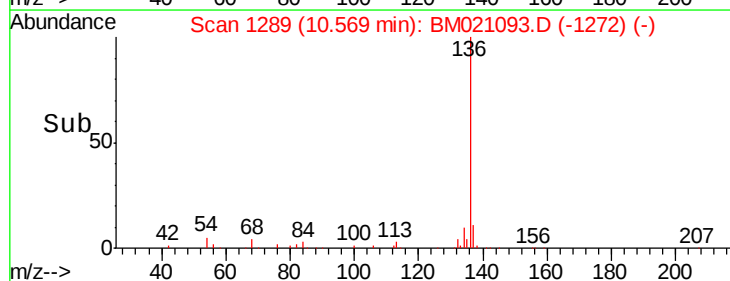
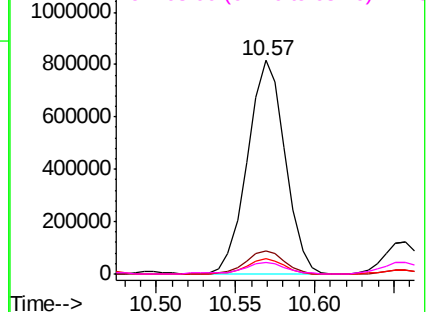


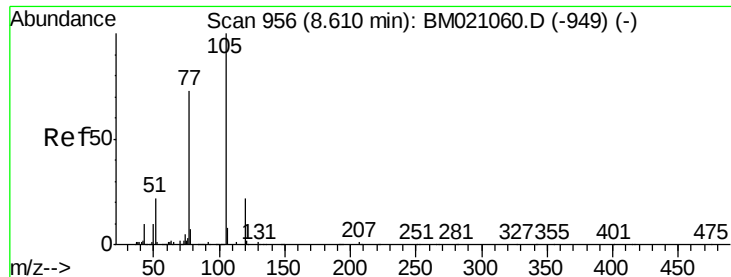
Abundance Ion 136.00 (135.70 to 136.70): E

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

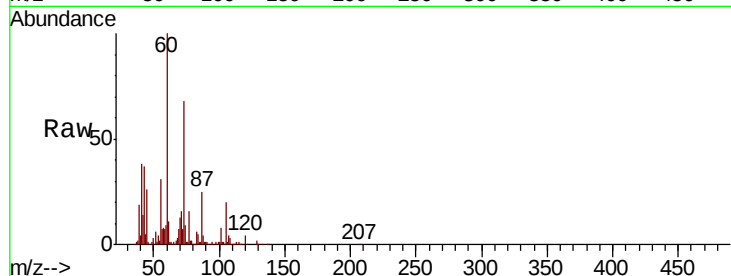




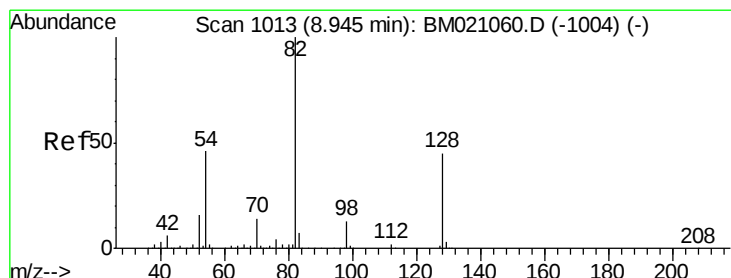
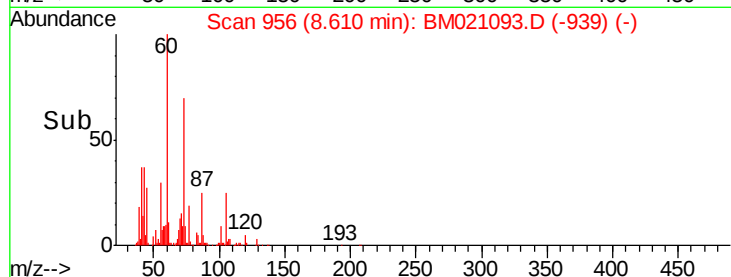
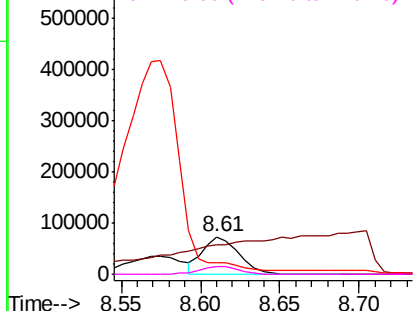
#22
Acetophenone
Concen: 3.378 ng
RT: 8.61 min Scan# 956
Delta R.T. 0.00 min
Lab File: BM021093.D
Acq: 22 Jun 2019 10:10

Instrument :
BNA_M
ClientSampleId :
KY032MW006-190610DL

Tgt Ion: 105 Resp: 115199
Ion Ratio Lower Upper
105 100
71 78.9 1.2 1.8#
51 32.3 19.1 28.7#
120 21.1 17.9 26.9

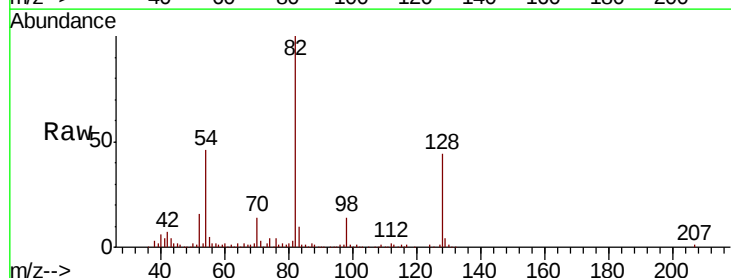


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BM
Ion 51.00 (50.70 to 51.70): BM
Ion 120.00 (119.70 to 120.70): E

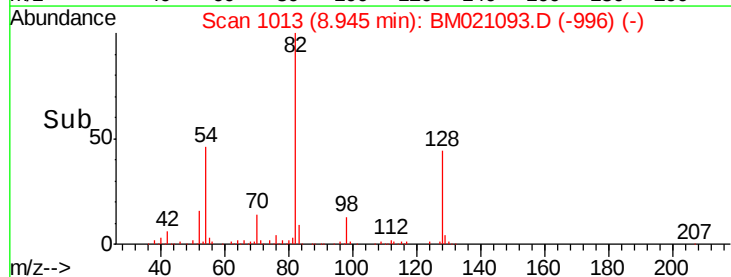
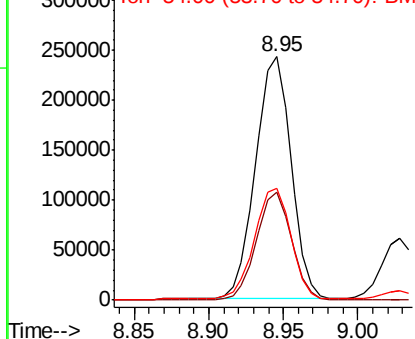


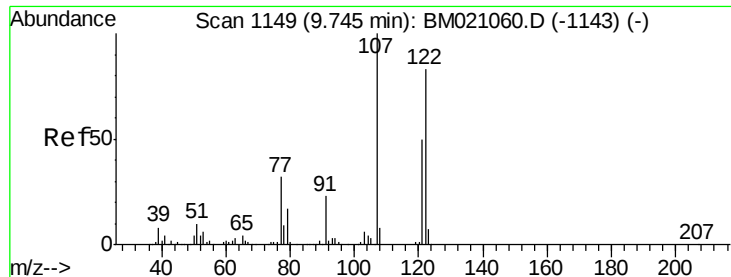
#23
Nitrobenzene-d5
Concen: 15.638 ng
RT: 8.95 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BM021093.D
Acq: 22 Jun 2019 10:10

Tgt Ion: 82 Resp: 401593
Ion Ratio Lower Upper
82 100
128 44.1 35.9 53.9
54 45.9 36.6 55.0



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

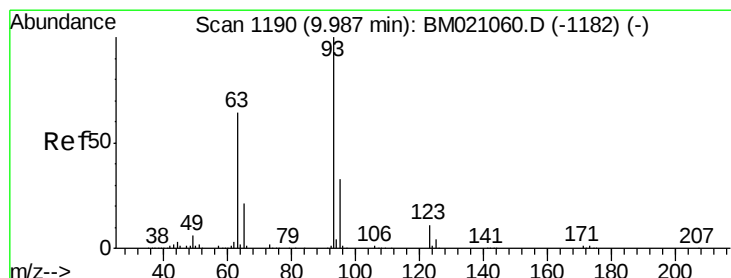
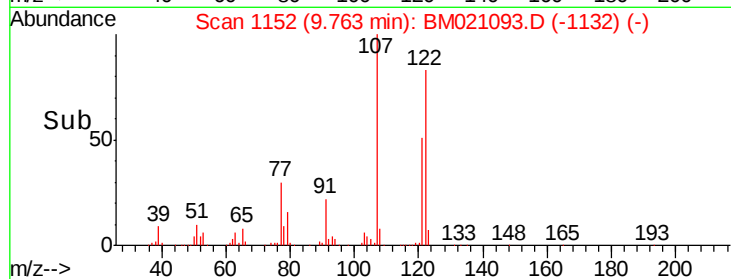
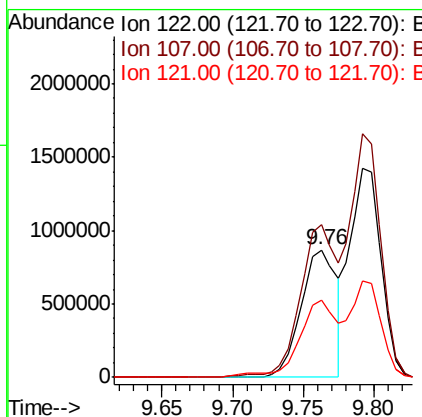
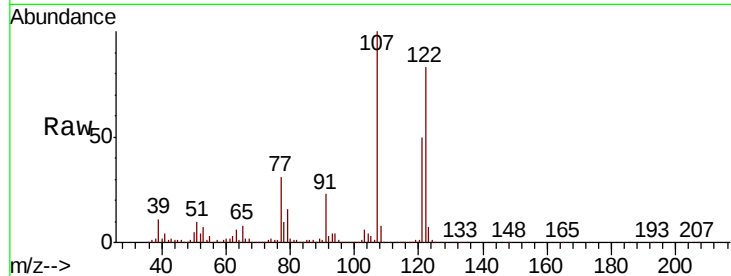




#27
 2,4-Dimethylphenol
 Concen: 83.903 ng
 RT: 9.76 min Scan# 1152
 Delta R.T. 0.02 min
 Lab File: BM021093.D
 Acq: 22 Jun 2019 10:10

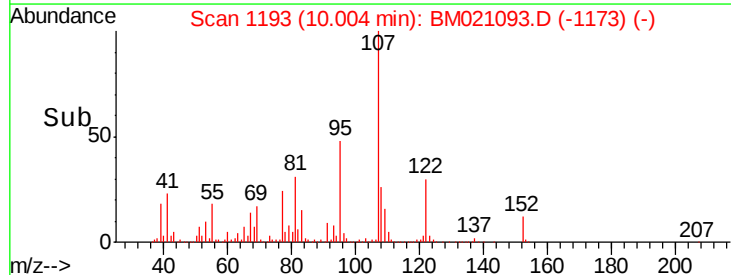
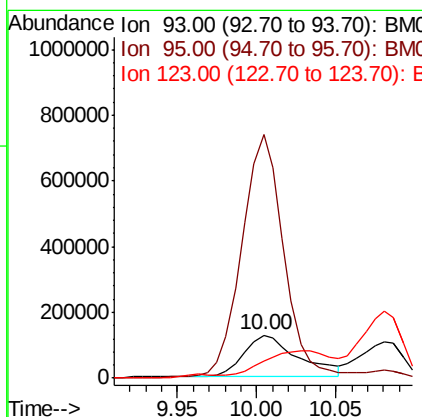
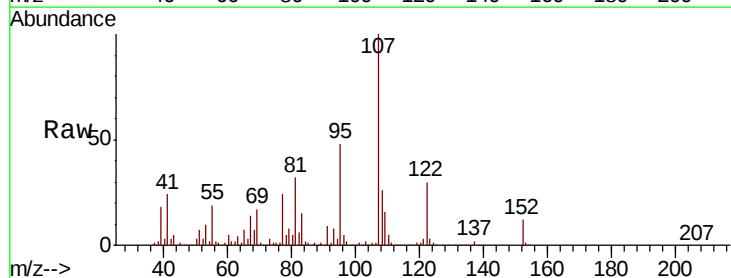
Instrument :
 BNA_M
 ClientSampleId :
 KY032MW006-190610DL

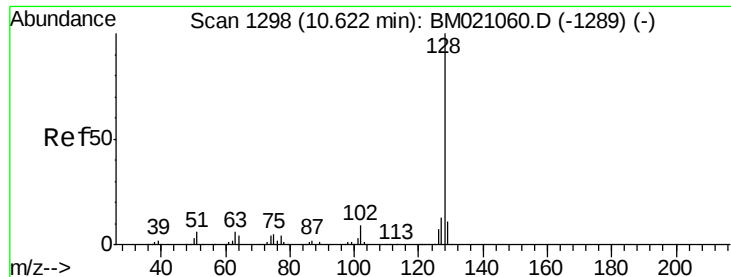
Tgt Ion:122 Resp: 1524345
 Ion Ratio Lower Upper
 122 100
 107 119.9 95.3 142.9
 121 60.5 47.5 71.3



#28
 bis(2-Chloroethoxy)methane
 Concen: 10.258 ng
 RT: 10.00 min Scan# 1193
 Delta R.T. 0.02 min
 Lab File: BM021093.D
 Acq: 22 Jun 2019 10:10

Tgt Ion: 93 Resp: 306295
 Ion Ratio Lower Upper
 93 100
 95 569.4 26.2 39.2#
 123 38.9 9.0 13.4#

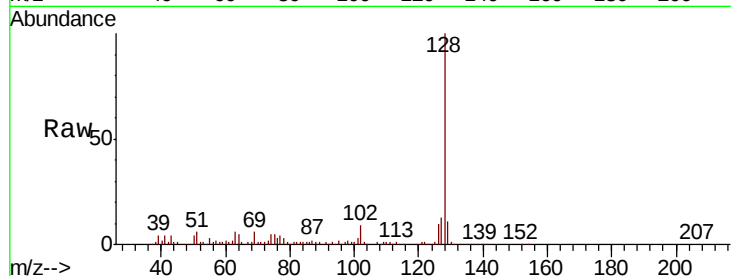




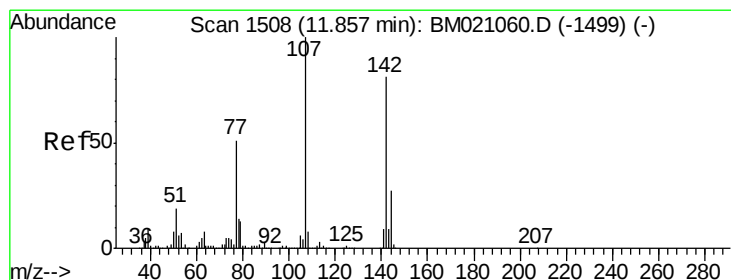
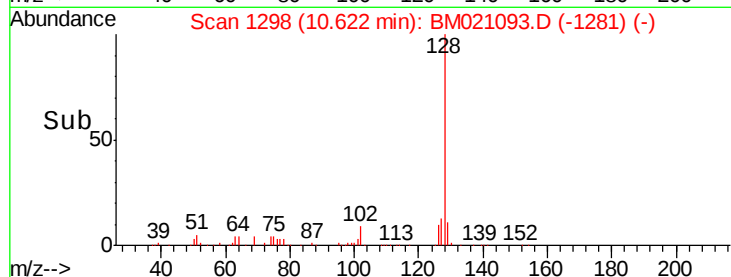
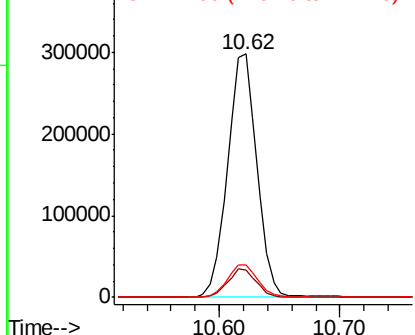
#31
Naphthalene
Concen: 7.120 ng
RT: 10.62 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BM021093.D
Acq: 22 Jun 2019 10:10

Instrument :
BNA_M
ClientSampleId :
KY032MW006-190610DL

Tgt Ion:128 Resp: 504294
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 13.4 10.8 16.2

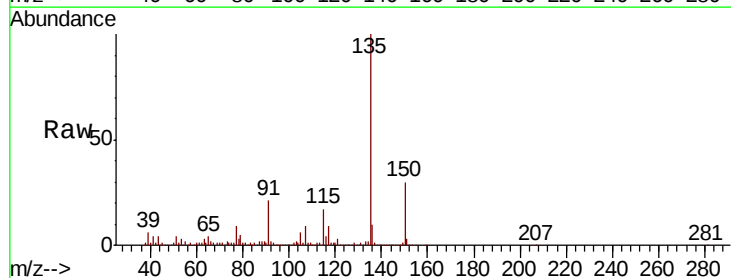


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

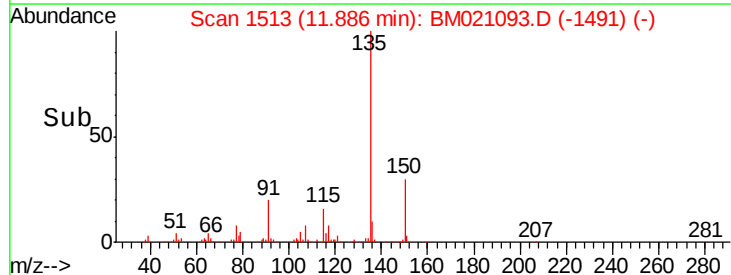
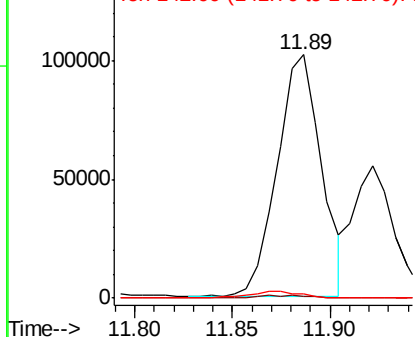


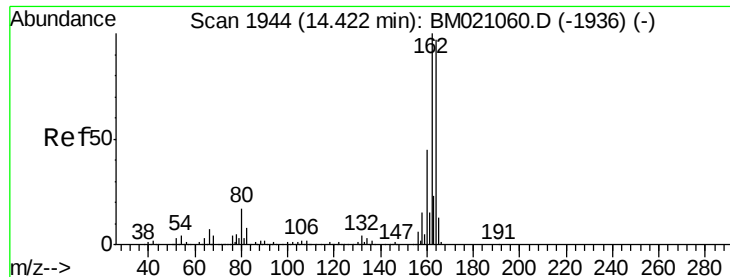
#36
4-Chloro-3-methylphenol
Concen: 6.688 ng
RT: 11.89 min Scan# 1513
Delta R.T. 0.03 min
Lab File: BM021093.D
Acq: 22 Jun 2019 10:10

Tgt Ion:107 Resp: 160017
Ion Ratio Lower Upper
107 100
144 0.6 21.3 31.9#
142 1.7 64.9 97.3#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.42 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BM021093.D

Acq: 22 Jun 2019 10:10

Instrument :

BNA_M

ClientSampleId :

KY032MW006-190610DL

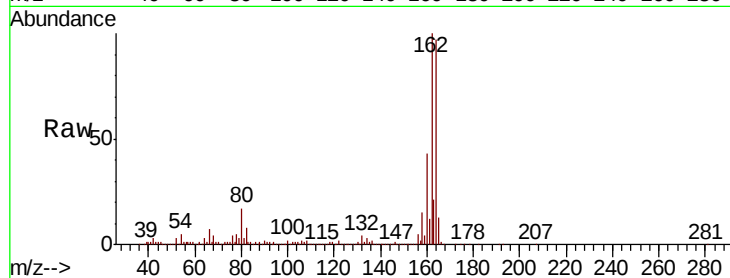
Tgt Ion:164 Resp: 866383

Ion Ratio Lower Upper

164 100

162 103.2 82.1 123.1

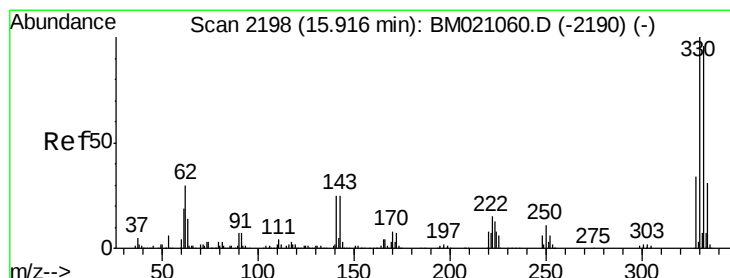
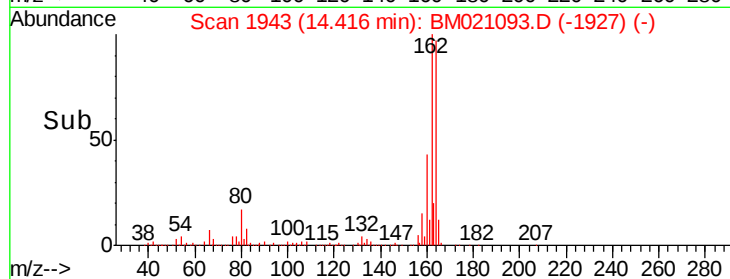
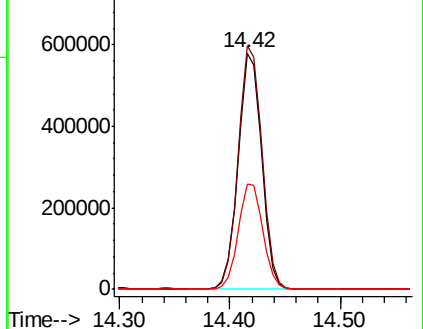
160 44.4 37.1 55.7



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: 23.065 ng

RT: 15.91 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BM021093.D

Acq: 22 Jun 2019 10:10

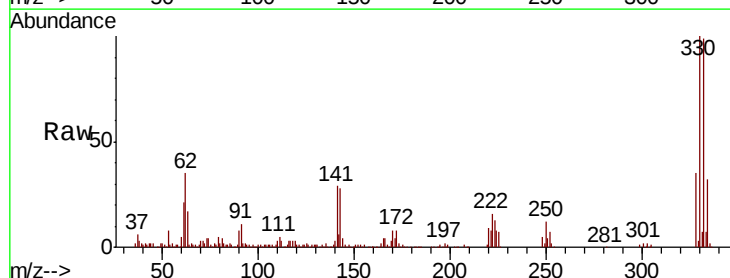
Tgt Ion:330 Resp: 374969

Ion Ratio Lower Upper

330 100

332 96.8 77.1 115.7

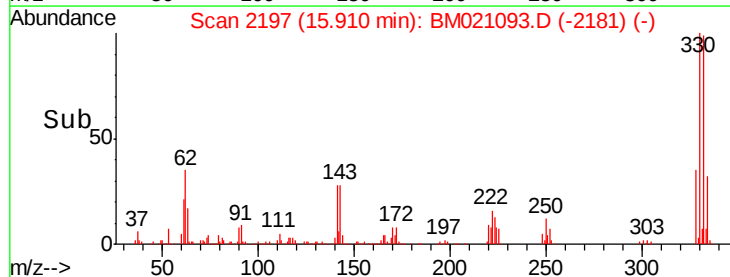
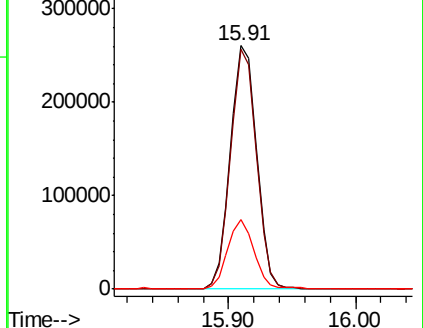
141 28.5 21.8 32.8

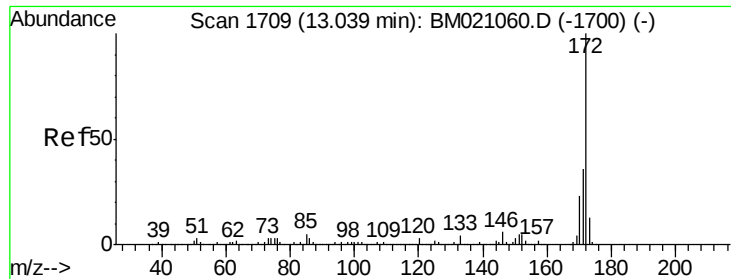


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

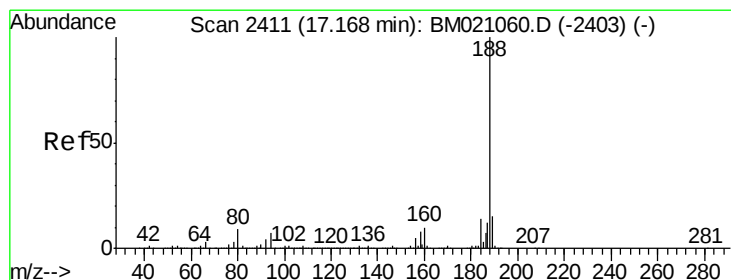
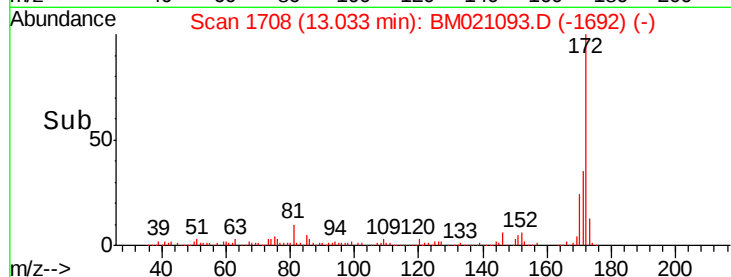
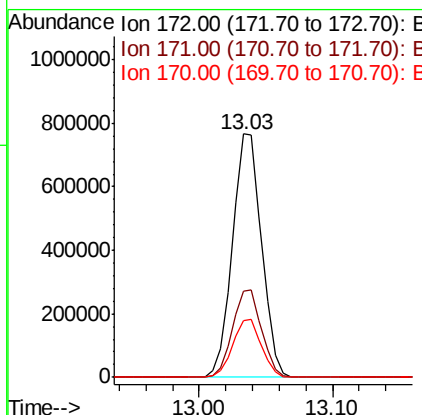
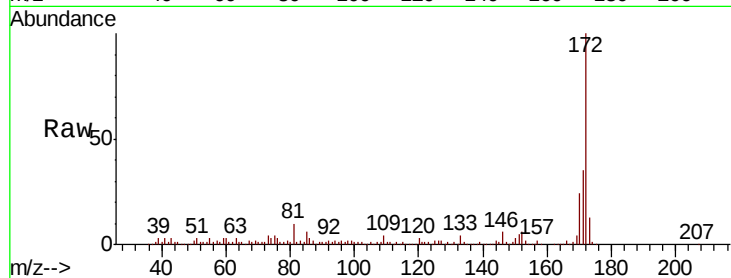




#45
 2-Fluorobiphenyl
 Concen: 16.490 ng
 RT: 13.03 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BM021093.D
 Acq: 22 Jun 2019 10:10

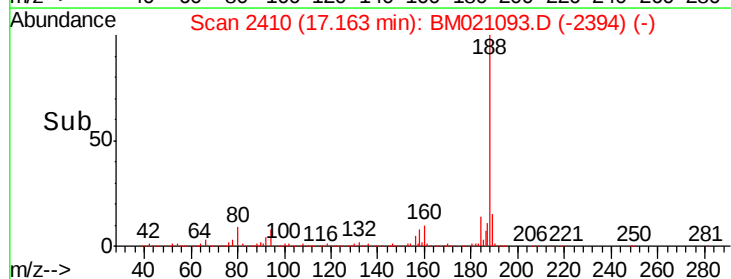
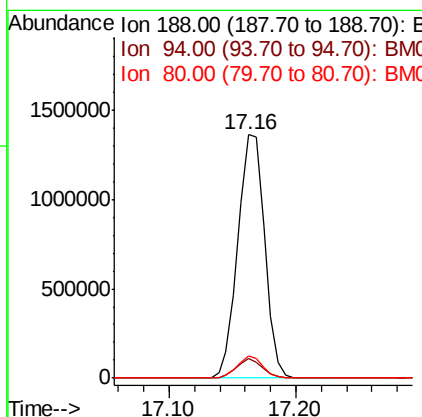
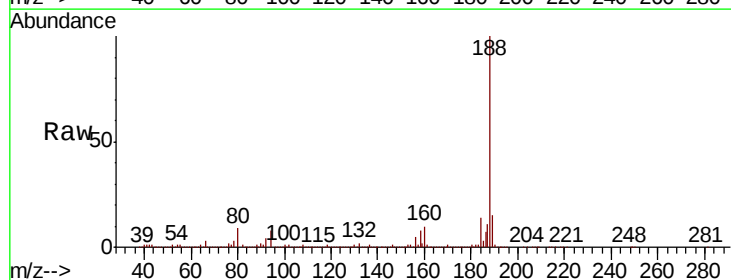
Instrument :
 BNA_M
 ClientSampleId :
 KY032MW006-190610DL

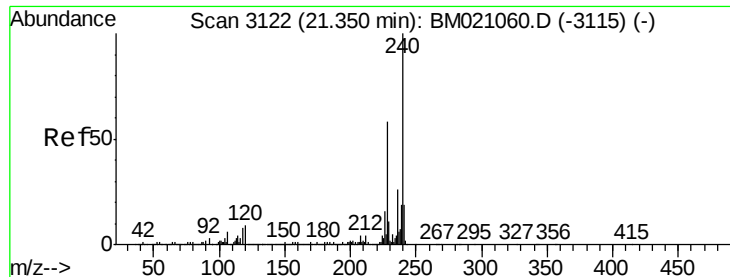
Tgt Ion:172 Resp: 1162428
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 43.0
 170 23.5 18.7 28.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.16 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BM021093.D
 Acq: 22 Jun 2019 10:10

Tgt Ion:188 Resp: 1990868
 Ion Ratio Lower Upper
 188 100
 94 8.0 5.8 8.8
 80 9.0 6.9 10.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.34 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BM021093.D

Acq: 22 Jun 2019 10:10

Instrument :

BNA_M

ClientSampleId :

KY032MW006-190610DL

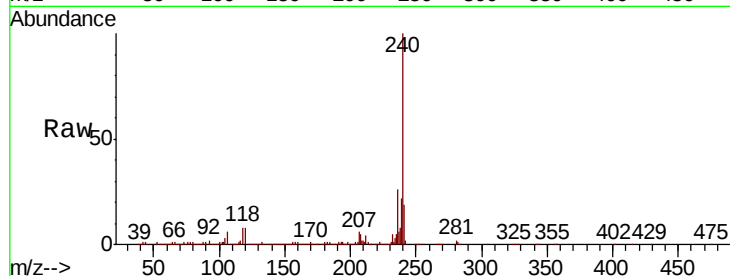
Tgt Ion:240 Resp: 1628274

Ion Ratio Lower Upper

240 100

120 8.1 6.9 10.3

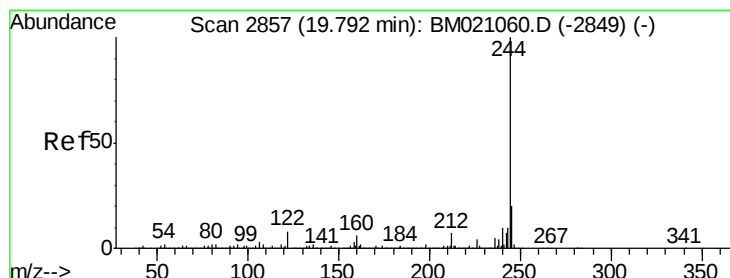
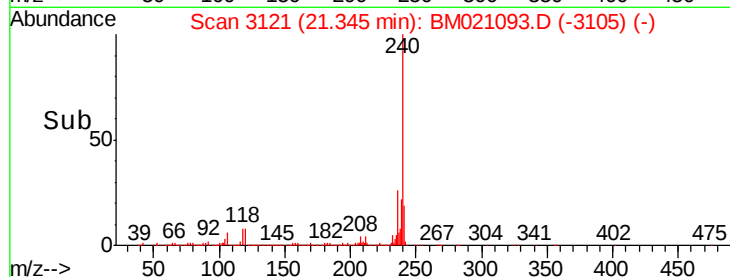
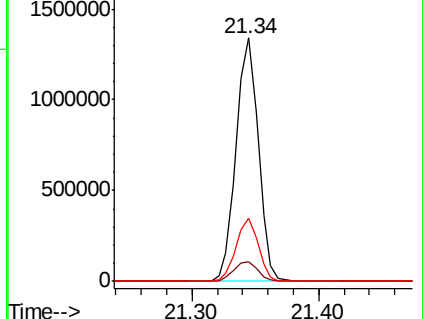
236 25.9 20.4 30.6



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



#79

Terphenyl-d14

Concen: 15.950 ng

RT: 19.79 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BM021093.D

Acq: 22 Jun 2019 10:10

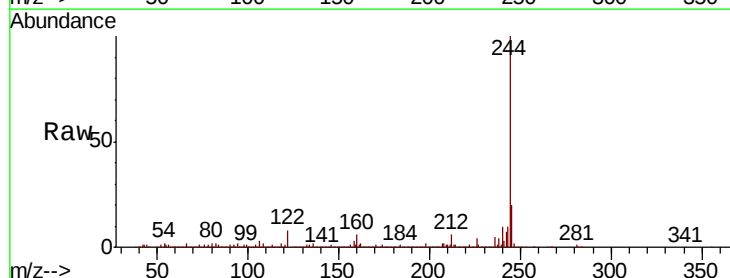
Tgt Ion:244 Resp: 1390527

Ion Ratio Lower Upper

244 100

212 6.4 5.3 7.9

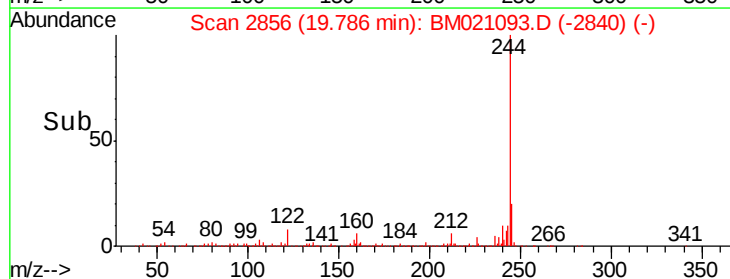
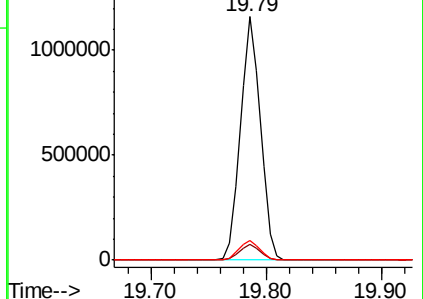
122 8.2 6.6 9.8

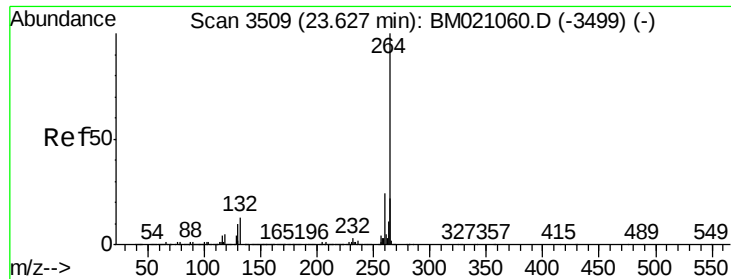


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.62 min Scan# 3507
Delta R.T. -0.01 min
Lab File: BM021093.D
Acq: 22 Jun 2019 10:10

Instrument :
BNA_M
ClientSampleId :
KY032MW006-190610DL

Tgt Ion: 264 Resp: 1654213

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	21.8	17.7	26.5

