

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
 Data File : BF119079.D
 Acq On : 25 Feb 2020 22:14
 Operator : CG/JU
 Sample : L1669-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 26 01:28:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

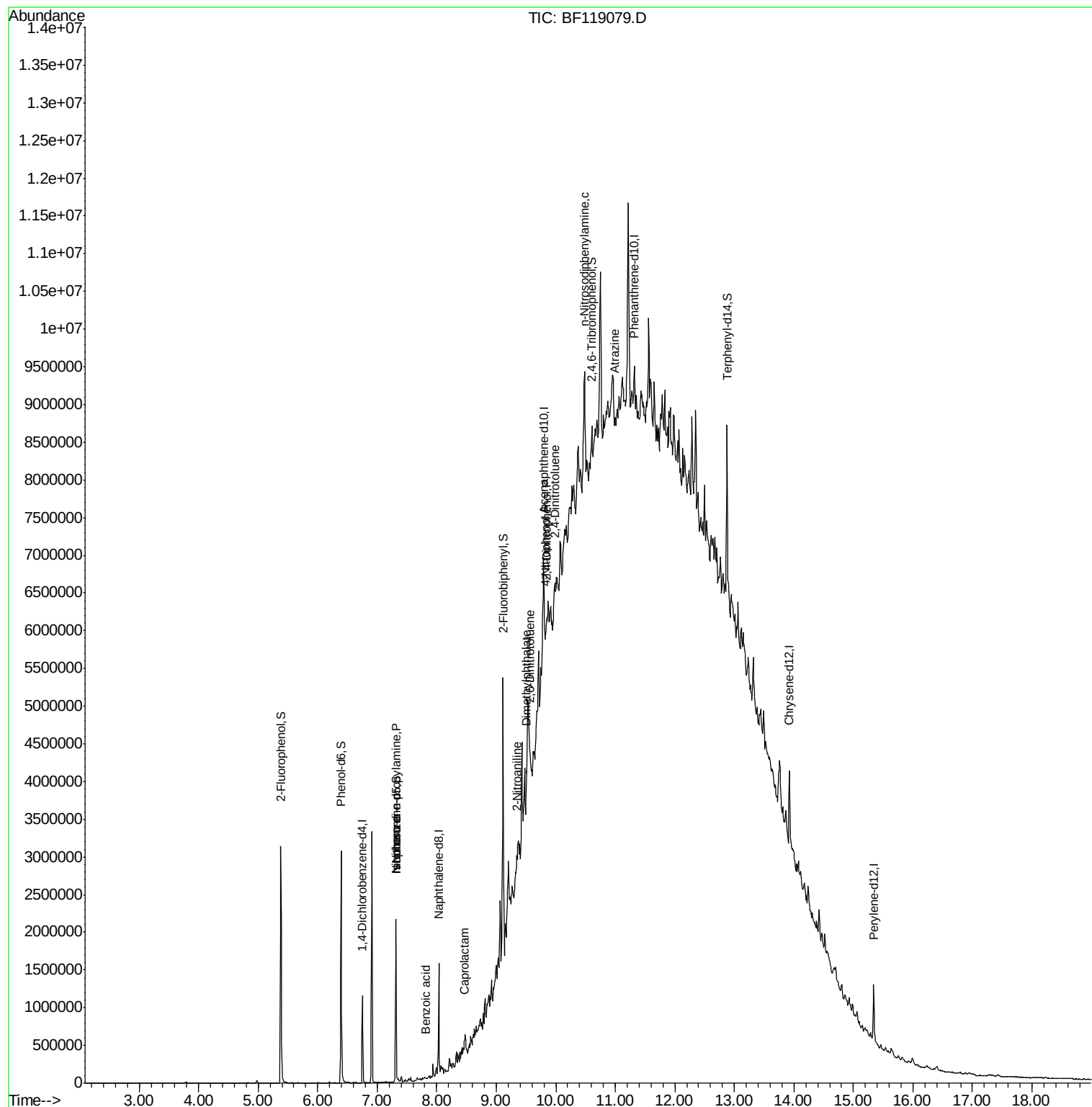
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	177362	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	647123	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	235210	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	306375	20.00	ng	0.03
76) Chrysene-d12	13.92	240	301111	20.00	ng	0.01
87) Perylene-d12	15.34	264	325163	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	942742	88.83	ng	0.00
7) Phenol-d6	6.40	99	1172985	90.88	ng	0.00
23) Nitrobenzene-d5	7.32	82	767059	62.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.60	330	281746	91.57	ng	0.02
45) 2-Fluorobiphenyl	9.12	172	1364903	85.49	ng	0.00
79) Terphenyl-d14	12.87	244	1007631	57.61	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	106250	14.127	ng	# 76
25) Isophorone	7.32	82	764175	35.902	ng	# 63
32) Benzoic acid	7.82	122	215	6.709	ng	# 37
35) Caprolactam	8.46	113	6441	2.039	ng	# 1
48) 2-Nitroaniline	9.35	65	12001	2.809	ng	# 4
50) Dimethylphthalate	9.50	163	72147	4.011	ng	# 57
51) 2,6-Dinitrotoluene	9.57	165	17056	4.268	ng	# 39
54) 2,4-Dinitrophenol	9.84	184	1086	7.982	ng	# 1
56) 4-Nitrophenol	9.83	139	6914	2.598	ng	# 1
57) 2,4-Dinitrotoluene	9.98	165	15641	3.020	ng	# 47
66) n-Nitrosodiphenylamine	10.48	169	48091	4.794	ng	# 73
69) Atrazine	11.00	200	7094	2.024	ng	# 1

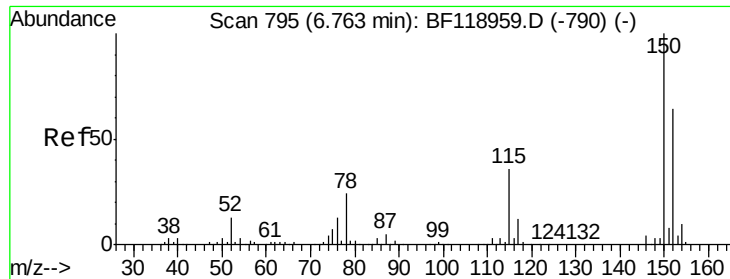
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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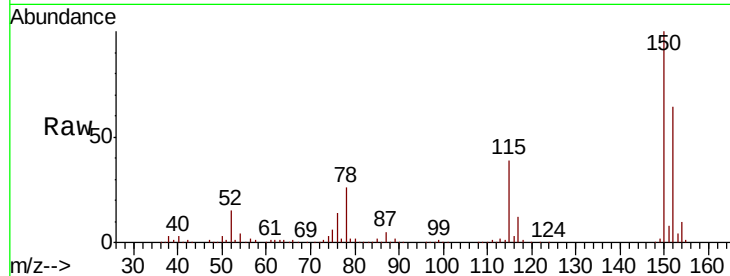


#1

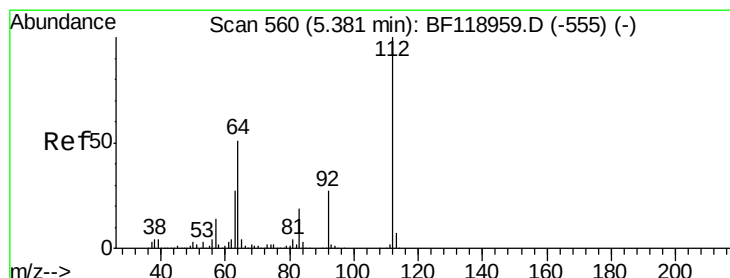
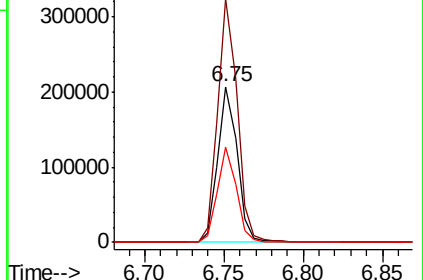
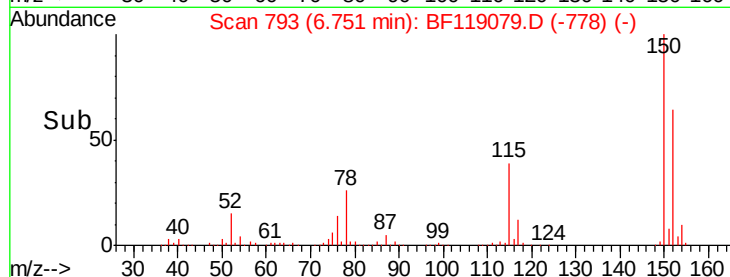
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF119079.D
Acq: 25 Feb 2020 22:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 177362
Ion Ratio Lower Upper
152 100
150 156.7 124.3 186.5
115 60.9 44.6 67.0



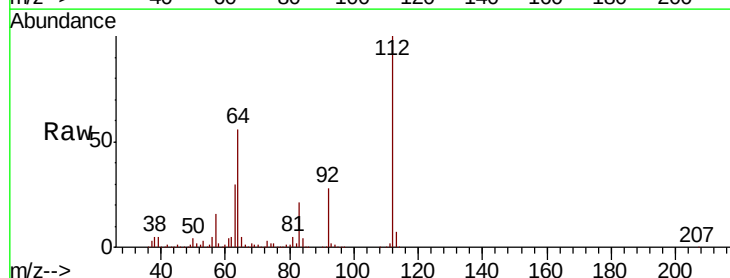
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



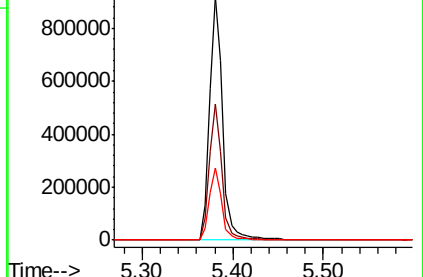
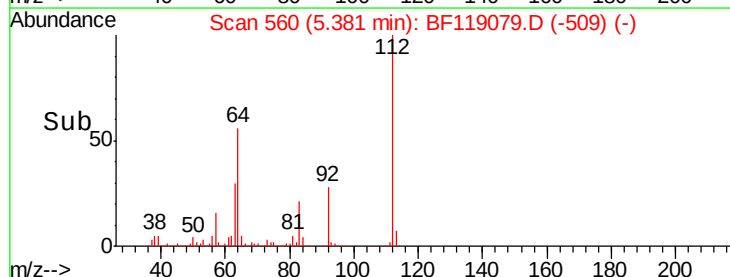
#5

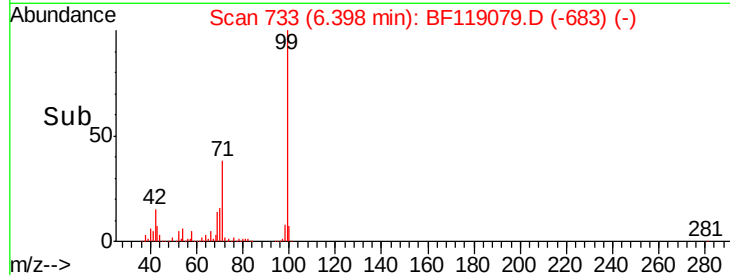
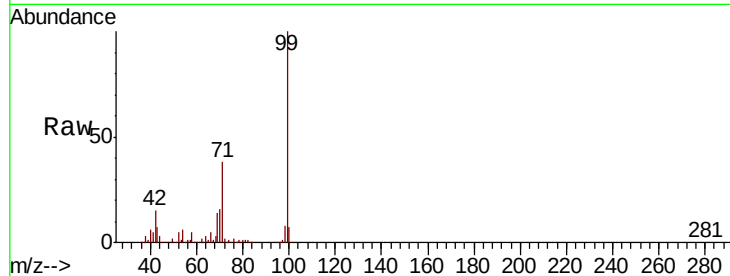
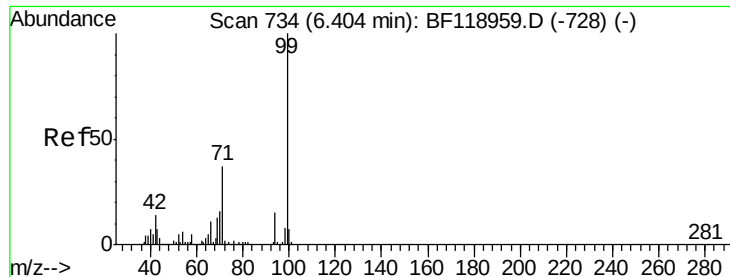
2-Fluorophenol
Concen: 88.829 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF119079.D
Acq: 25 Feb 2020 22:14

Tgt Ion:112 Resp: 942742
Ion Ratio Lower Upper
112 100
64 56.1 40.4 60.6
63 29.8 21.3 31.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 90.877 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119079.D

Acq: 25 Feb 2020 22:14

Instrument :

BNA_F

ClientSampled :

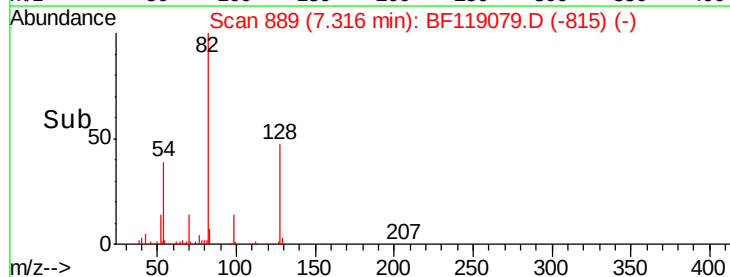
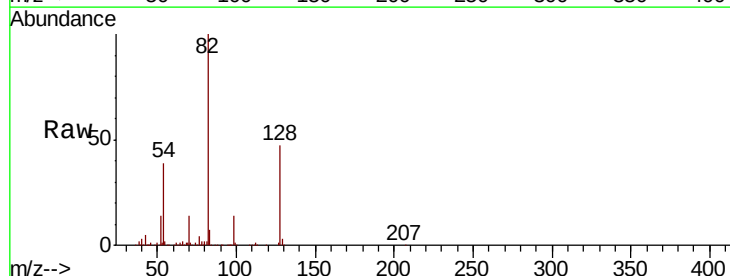
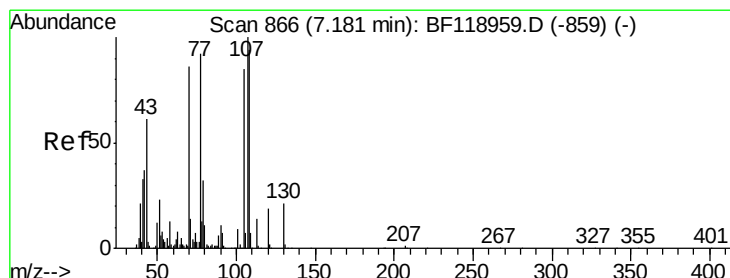
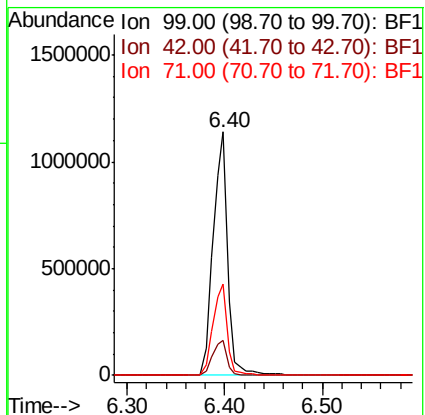
Tot Ion: 99 Resp: 1172985

Ion Ratio Lower Upper

99 100

42 14.6 11.4 17.0

71 37.6 29.8 44.6



#19

n-Nitroso-di-n-propylamine

Concen: 14.127 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF119079.D

Acq: 25 Feb 2020 22:14

Tgt Ion: 70 Resp: 106250

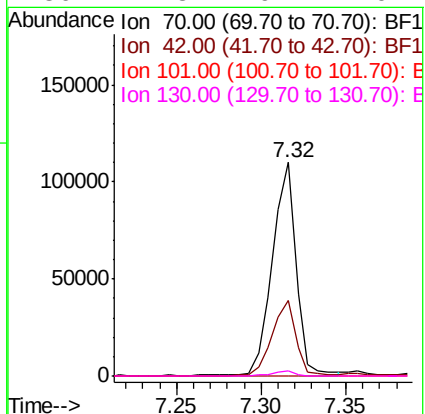
Ion Ratio Lower Upper

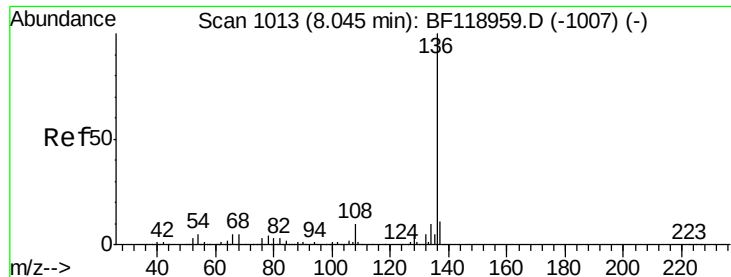
70 100

42 35.6 34.6 51.8

101 0.0 8.1 12.1#

130 2.3 19.4 29.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF119079.D

Acq: 25 Feb 2020 22:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 647123

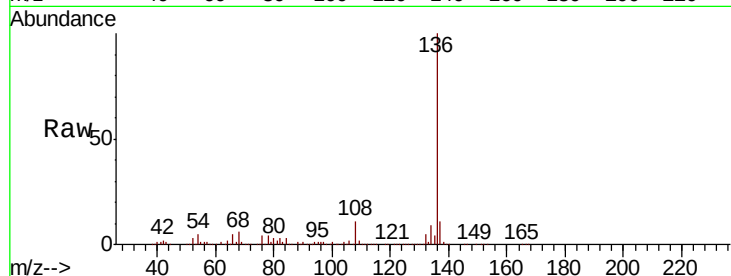
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 5.1 3.8 5.6

68 5.6 4.2 6.2

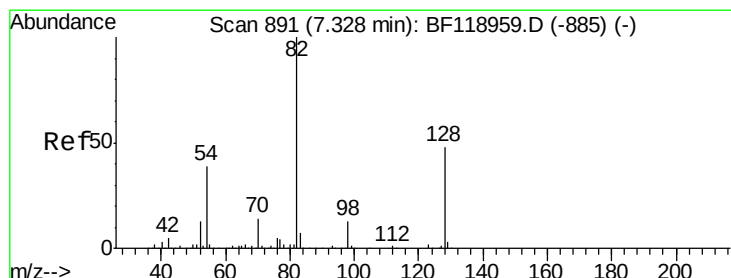
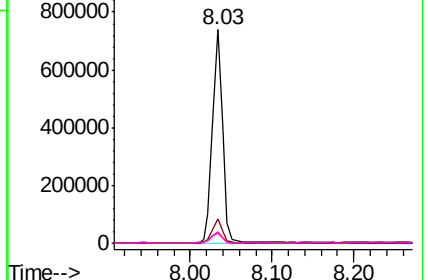
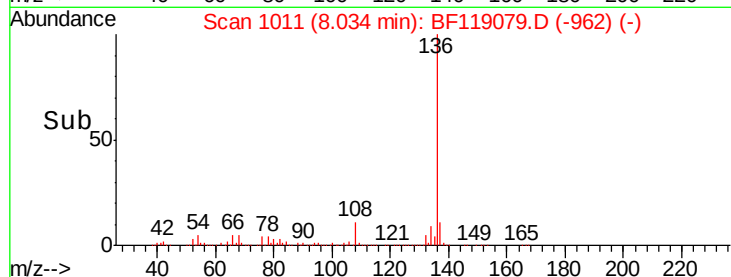


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 62.586 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF119079.D

Acq: 25 Feb 2020 22:14

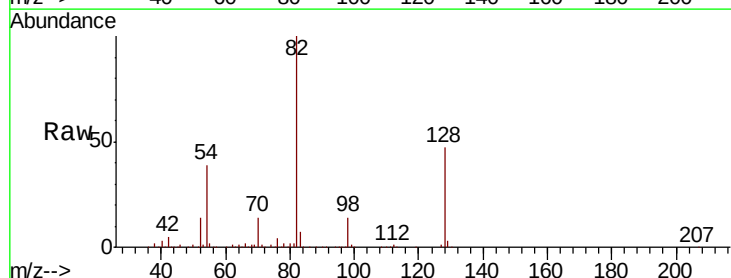
Tgt Ion: 82 Resp: 767059

Ion Ratio Lower Upper

82 100

128 47.1 38.2 57.2

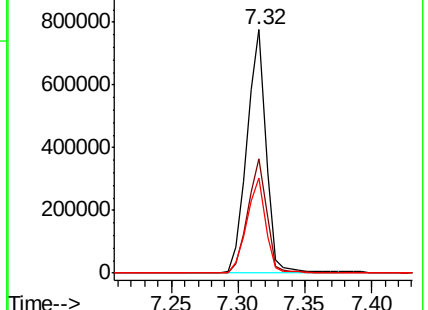
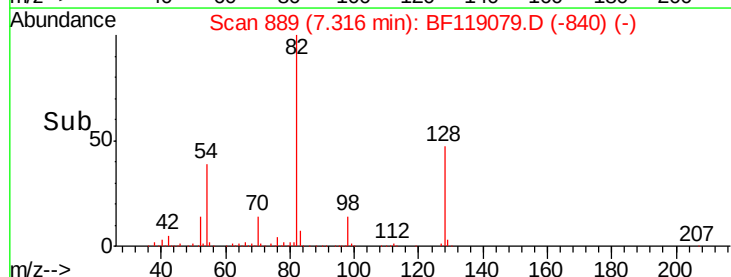
54 39.2 31.3 46.9

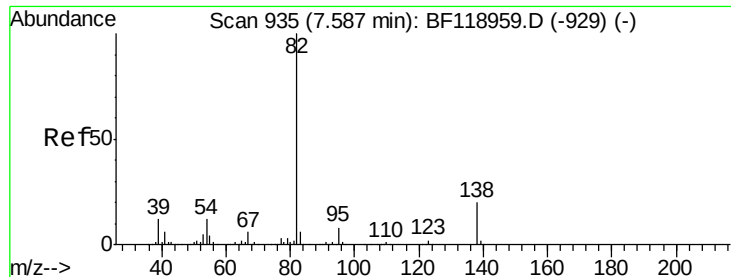


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.902 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.27 min

Lab File: BF119079.D

Acq: 25 Feb 2020 22:14

Instrument :

BNA_F

ClientSampleId :

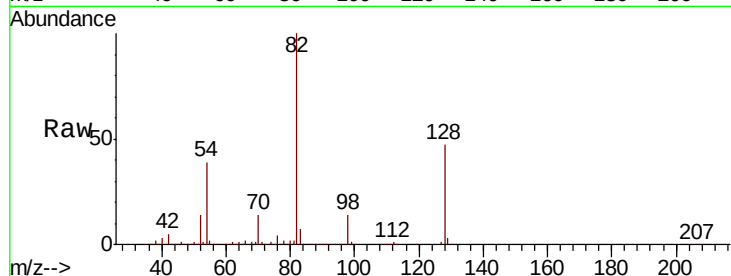
Tot Ion: 82 Resp: 764175

Ion Ratio Lower Upper

82 100

95 0.1 6.1 9.1#

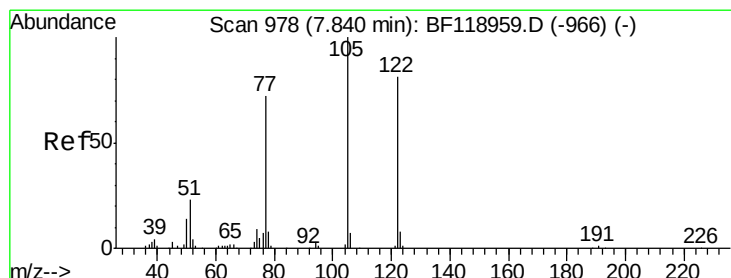
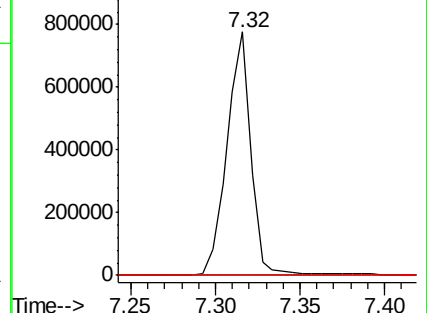
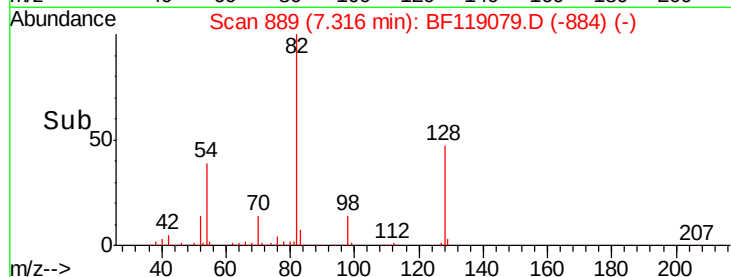
138 0.0 15.8 23.6#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 6.709 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.02 min

Lab File: BF119079.D

Acq: 25 Feb 2020 22:14

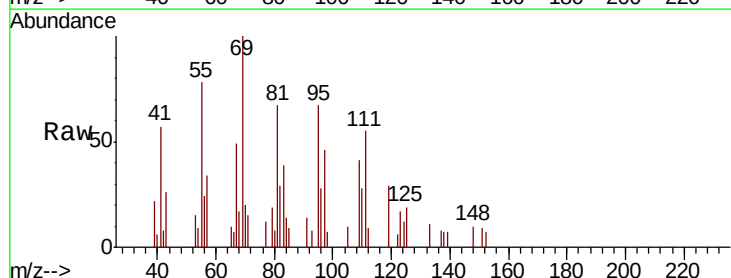
Tgt Ion: 122 Resp: 215

Ion Ratio Lower Upper

122 100

105 156.2 102.2 142.2#

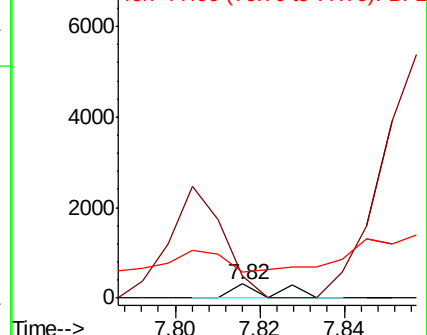
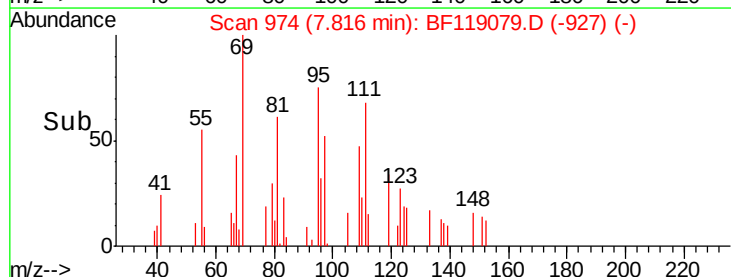
77 189.0 68.6 108.6#

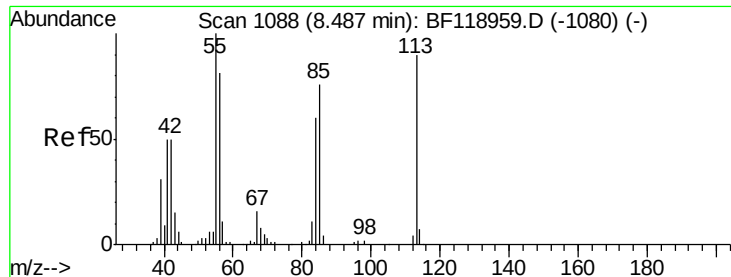


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

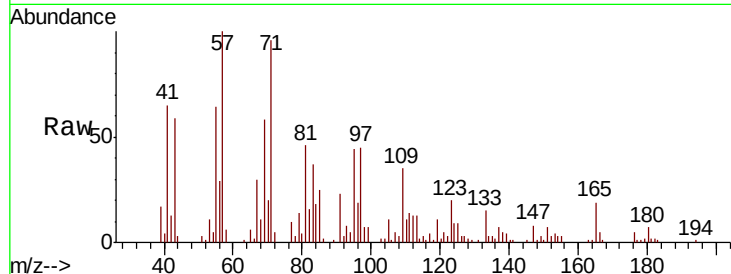




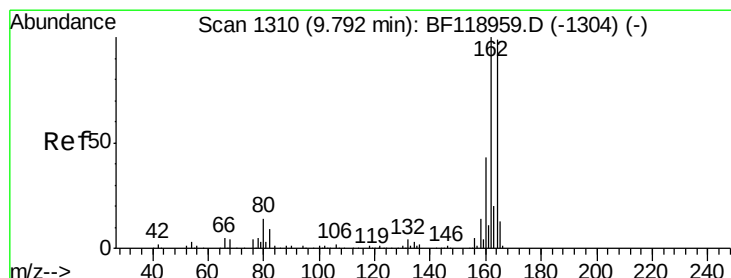
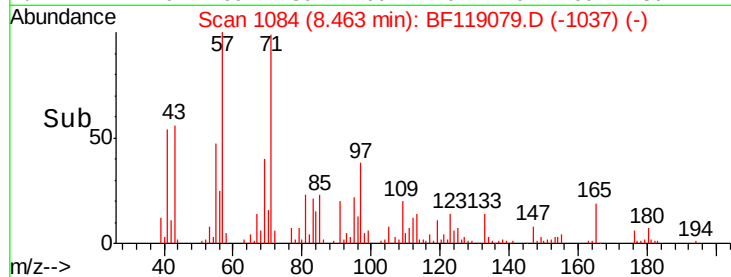
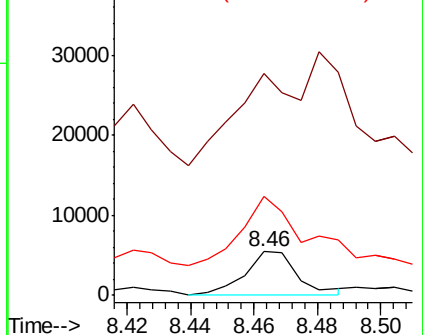
#35
 Caprolactam
 Concen: 2.039 ng
 RT: 8.46 min Scan# 1084
 Delta R.T. -0.02 min
 Lab File: BF119079.D
 Acq: 25 Feb 2020 22:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:113 Resp: 6441
 Ion Ratio Lower Upper
 113 100
 55 511.0 90.8 130.8#
 56 227.5 70.0 110.0#

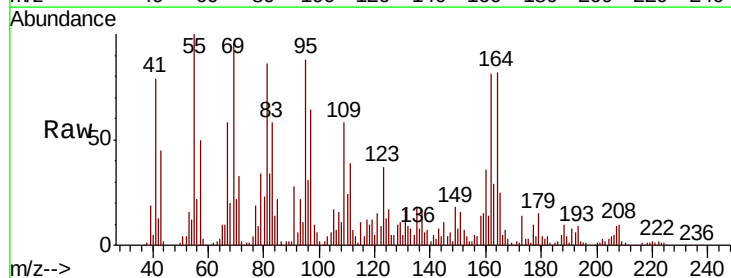


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

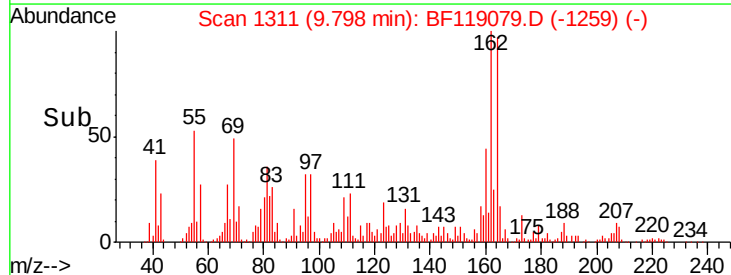
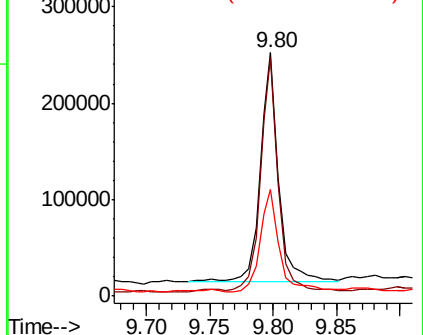


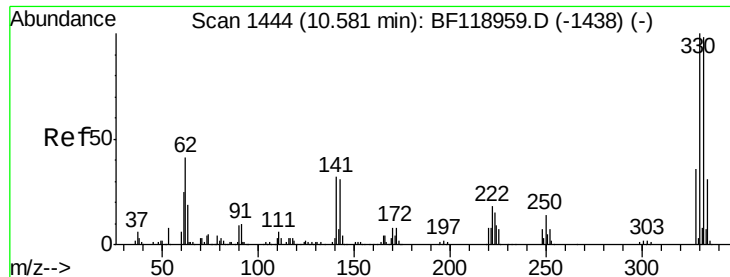
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. 0.01 min
 Lab File: BF119079.D
 Acq: 25 Feb 2020 22:14

Tgt Ion:164 Resp: 235210
 Ion Ratio Lower Upper
 164 100
 162 98.1 81.2 121.8
 160 43.6 35.2 52.8



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

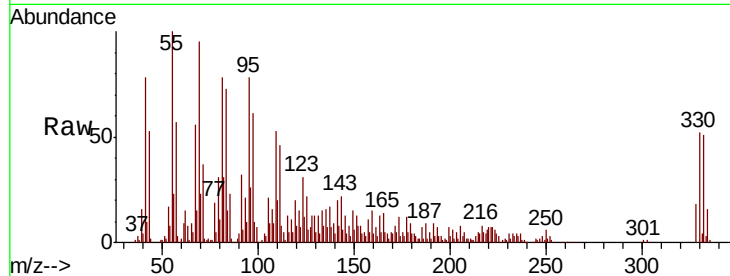




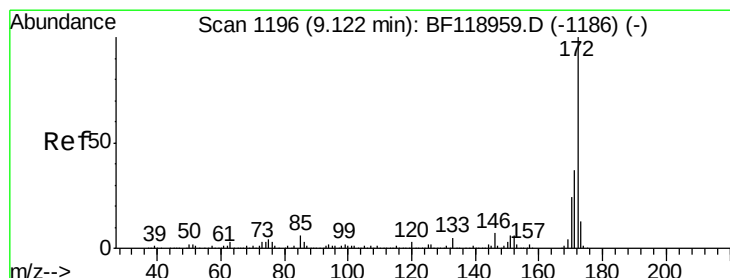
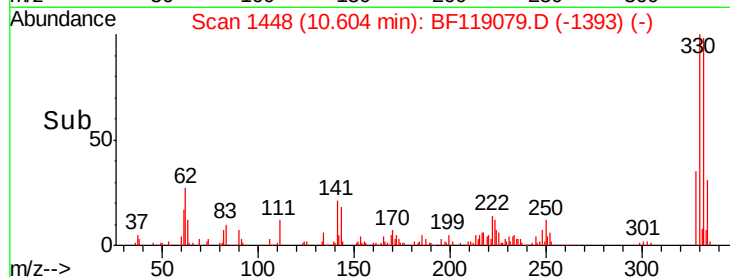
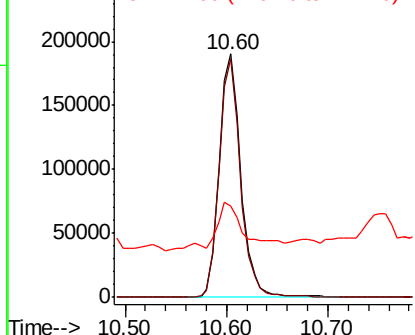
#42
 2,4,6-Tribromophenol
 Concen: 91.567 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. 0.02 min
 Lab File: BF119079.D
 Acq: 25 Feb 2020 22:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 281746
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.1 115.7
 141 21.1 23.0 34.6#

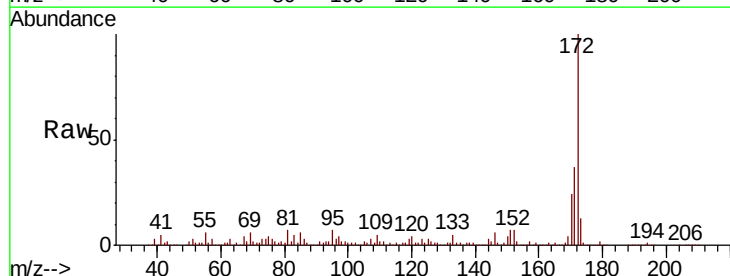


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

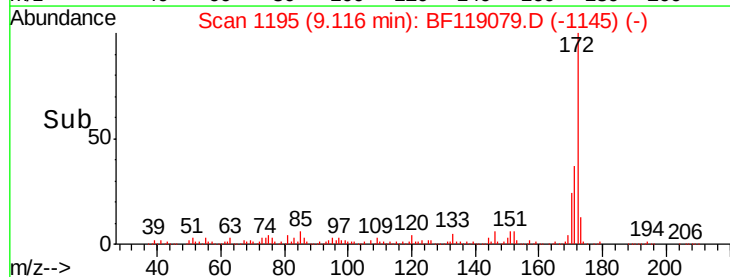
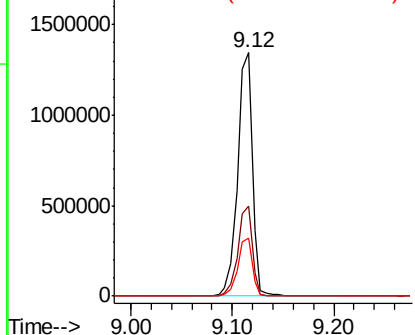


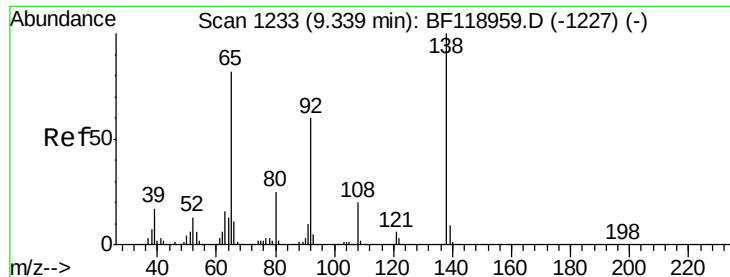
#45
 2-Fluorobiphenyl
 Concen: 85.487 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF119079.D
 Acq: 25 Feb 2020 22:14

Tgt Ion:172 Resp: 1364903
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.2
 170 24.0 19.6 29.4



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

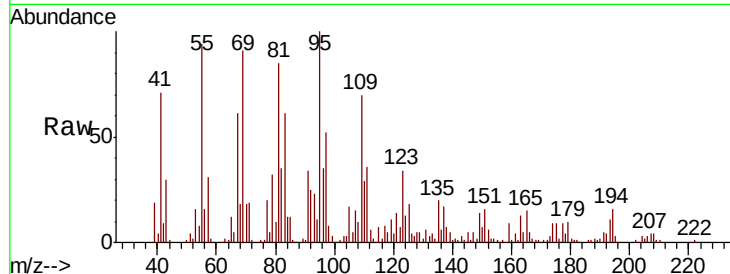




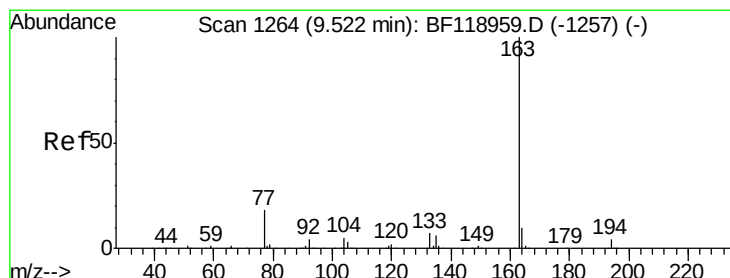
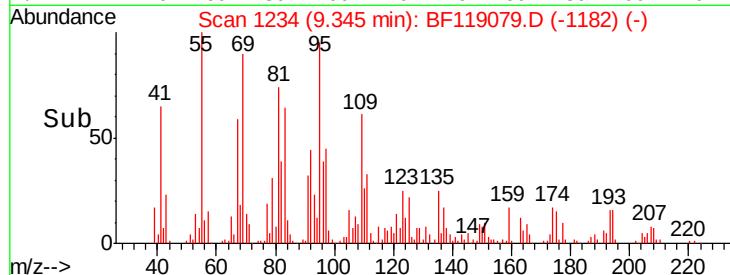
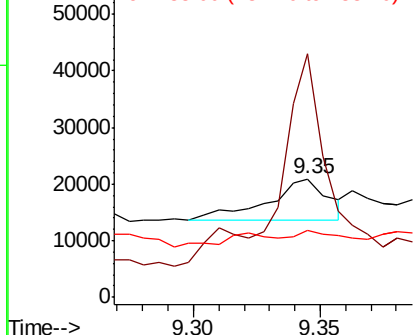
#48
2-Nitroaniline
Concen: 2.809 ng
RT: 9.35 min Scan# 1234
Delta R.T. 0.01 min
Lab File: BF119079.D
Acq: 25 Feb 2020 22:14

Instrument :
BNA_F
ClientSampled :

Tot Ion: 65 Resp: 12001
Ion Ratio Lower Upper
65 100
92 205.3 58.6 87.8#
138 56.1 97.5 146.3#

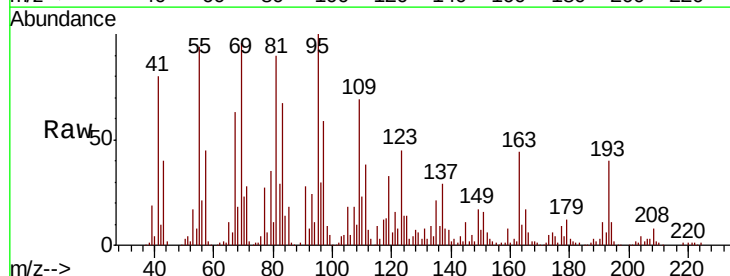


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

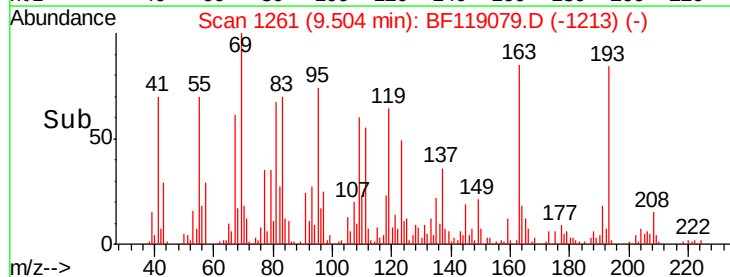
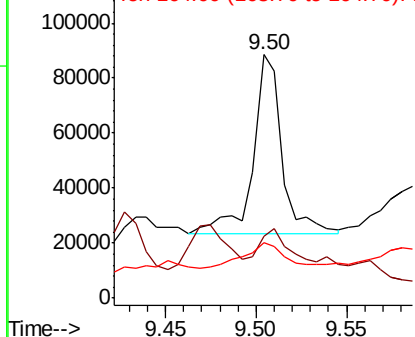


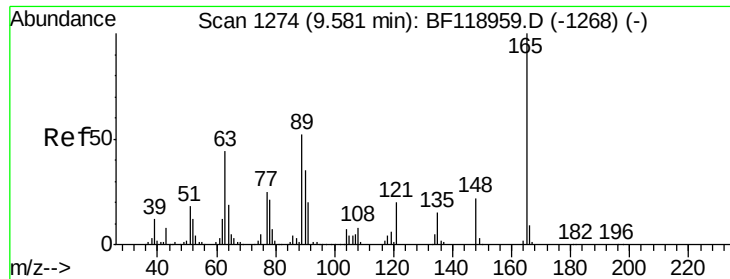
#50
Dimethylphthalate
Concen: 4.011 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF119079.D
Acq: 25 Feb 2020 22:14

Tgt Ion:163 Resp: 72147
Ion Ratio Lower Upper
163 100
194 25.5 3.4 5.2#
164 23.0 8.2 12.2#



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





#51

2,6-Dinitrotoluene

Concen: 4.268 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF119079.D

Acq: 25 Feb 2020 22:14

Instrument :

BNA_F

ClientSampled :

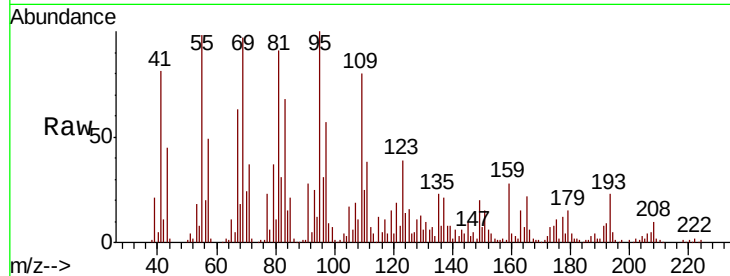
Tot Ion:165 Resp: 17056

Ion Ratio Lower Upper

165 100

63 9.3 37.9 56.9#

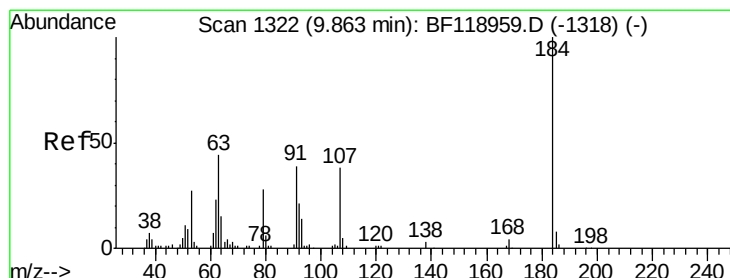
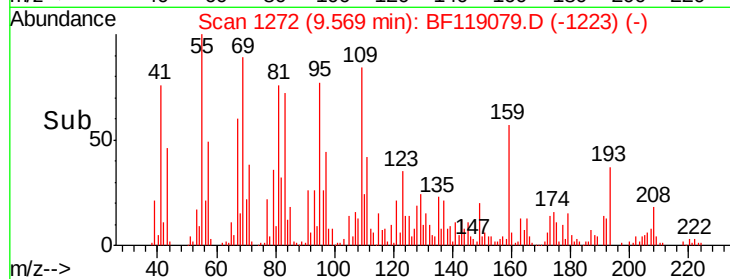
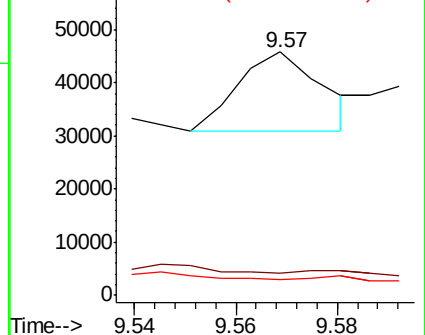
89 6.4 41.4 62.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#54

2,4-Dinitrophenol

Concen: 7.982 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF119079.D

Acq: 25 Feb 2020 22:14

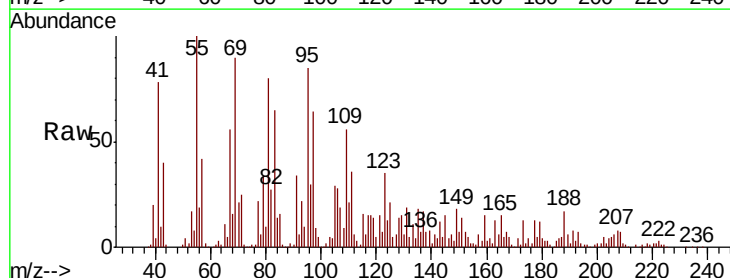
Tgt Ion:184 Resp: 1086

Ion Ratio Lower Upper

184 100

63 1427.1 37.8 56.6#

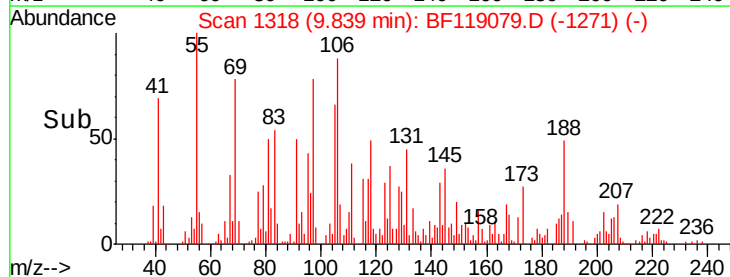
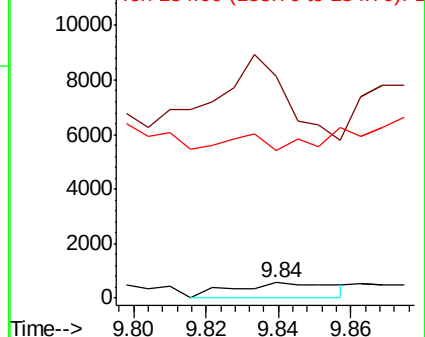
154 950.8 47.6 71.4#

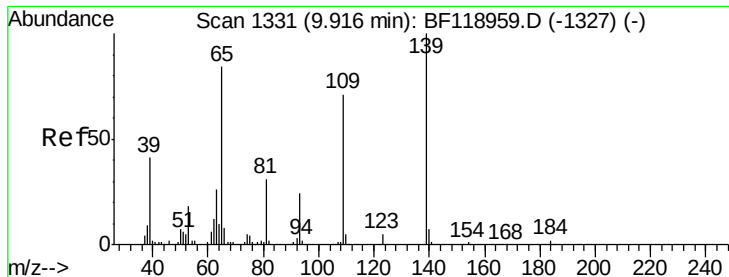


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

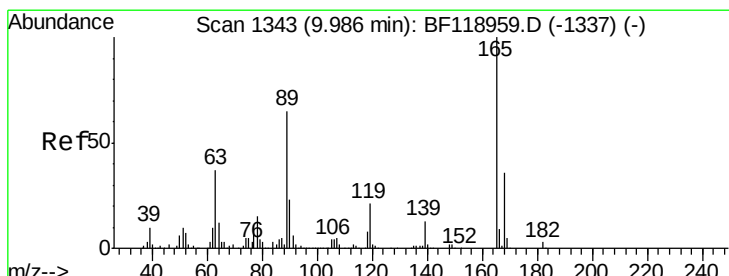
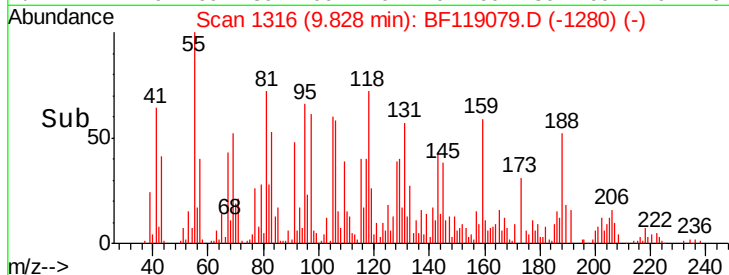
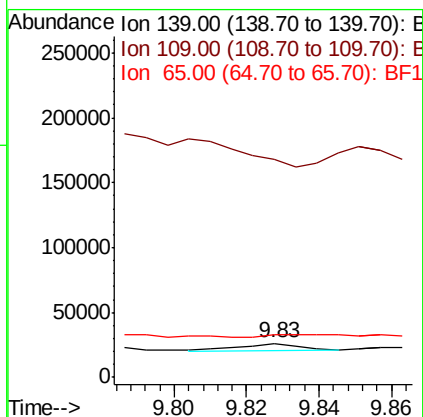
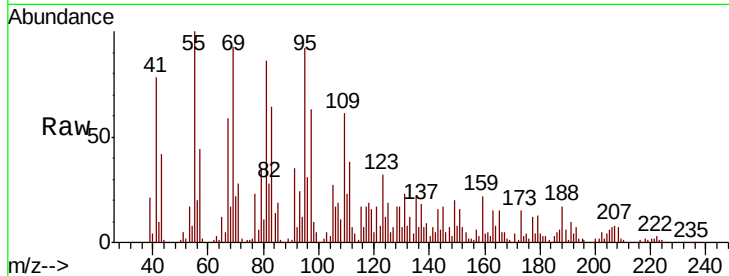




#56
4-Nitrophenol
Concen: 2.598 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.09 min
Lab File: BF119079.D
Acq: 25 Feb 2020 22:14

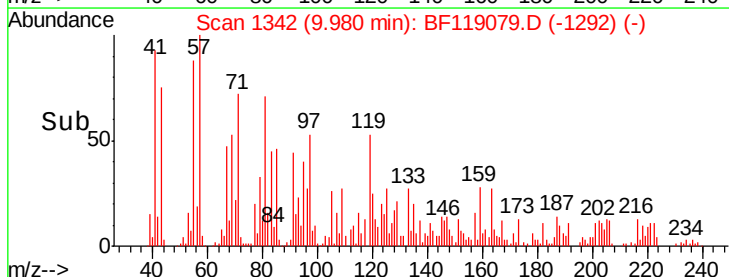
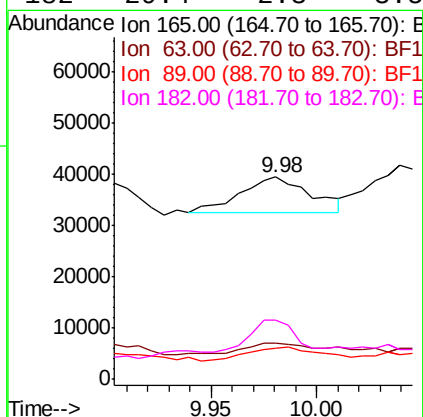
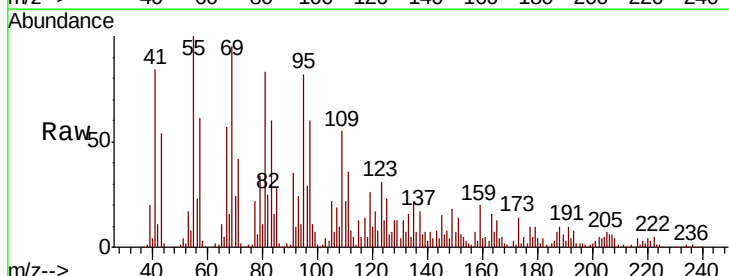
Instrument :
BNA_F
ClientSampled :

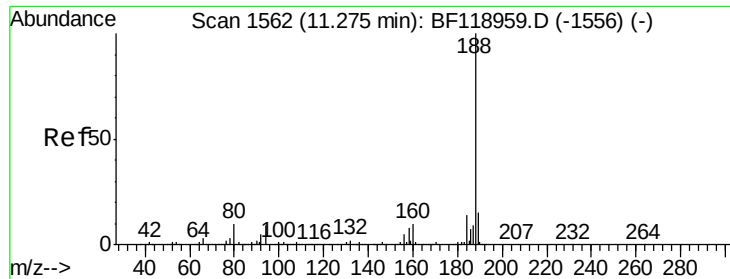
Tot Ion:139 Resp: 6914
Ion Ratio Lower Upper
139 100
109 646.9 51.1 91.1#
65 127.9 64.7 104.7#



#57
2,4-Dinitrotoluene
Concen: 3.020 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF119079.D
Acq: 25 Feb 2020 22:14

Tgt Ion:165 Resp: 15641
Ion Ratio Lower Upper
165 100
63 17.8 29.8 44.8#
89 14.9 51.9 77.9#
182 29.4 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1567

Delta R.T. 0.03 min

Lab File: BF119079.D

Acq: 25 Feb 2020 22:14

Instrument :

BNA_F

ClientSampleId :

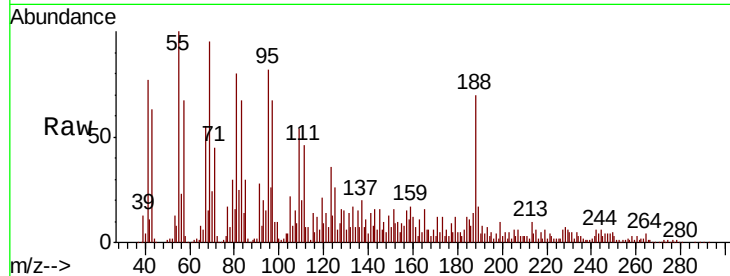
Tot Ion:188 Resp: 306375

Ion Ratio Lower Upper

188 100

94 21.7 7.0 10.6#

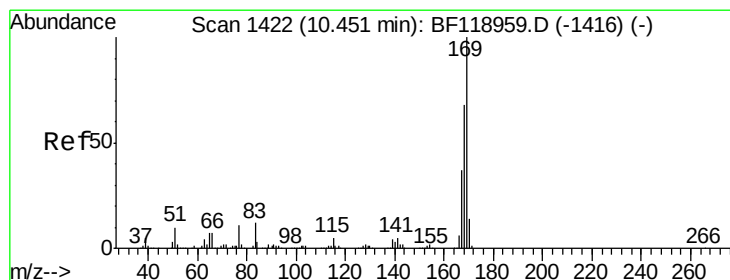
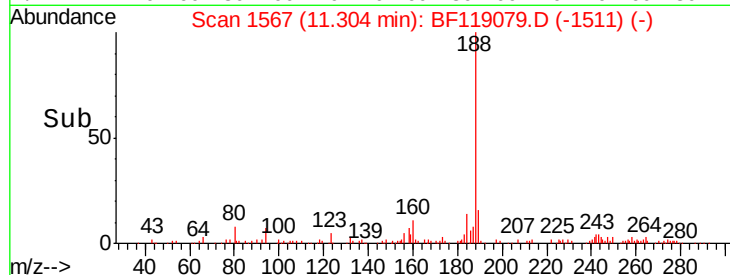
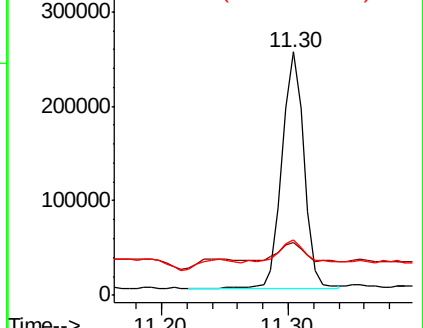
80 22.7 7.9 11.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

n-Nitrosodiphenylamine

Concen: 4.794 ng

RT: 10.48 min Scan# 1427

Delta R.T. 0.03 min

Lab File: BF119079.D

Acq: 25 Feb 2020 22:14

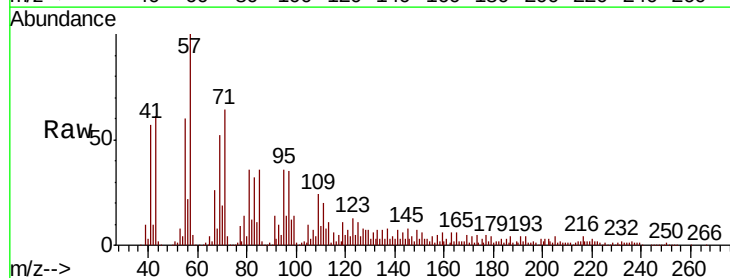
Tgt Ion:169 Resp: 48091

Ion Ratio Lower Upper

169 100

168 35.9 54.2 81.2#

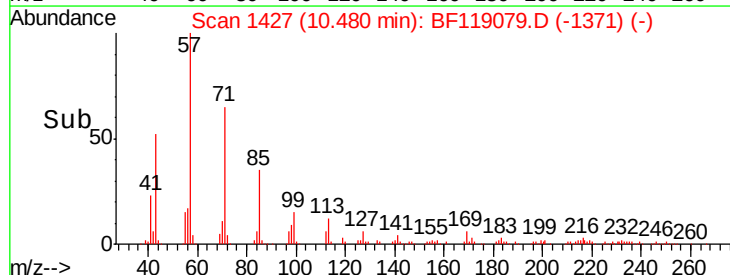
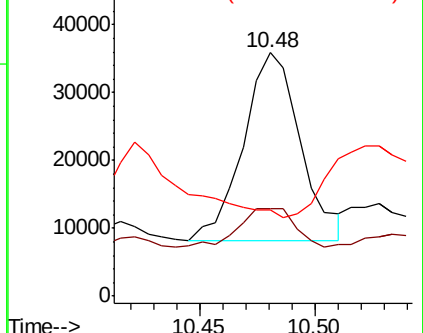
167 35.2 29.4 44.2

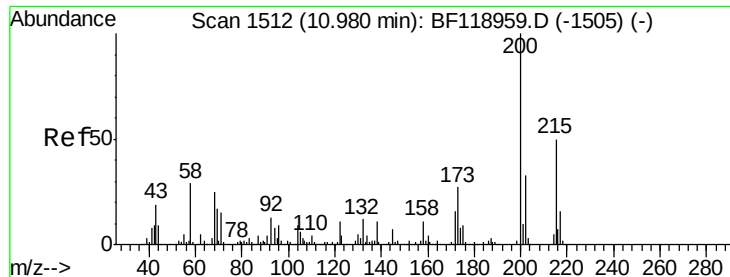


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Atrazine

Concen: 2.024 ng

RT: 11.00 min Scan# 1516

Delta R.T. 0.02 min

Lab File: BF119079.D

Acq: 25 Feb 2020 22:14

Instrument :

BNA_F

ClientSampleId :

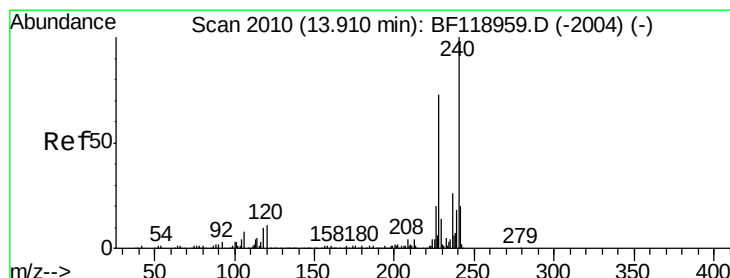
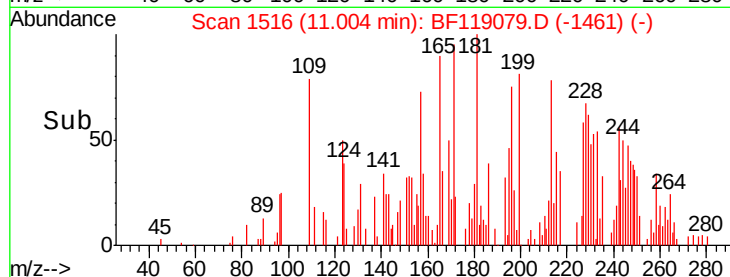
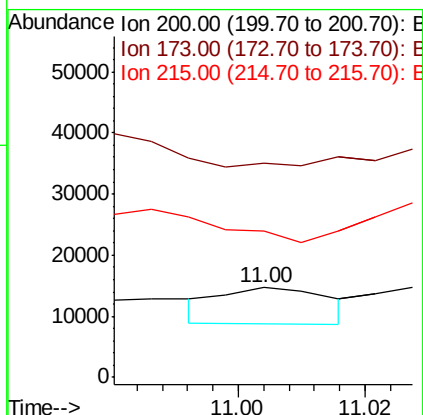
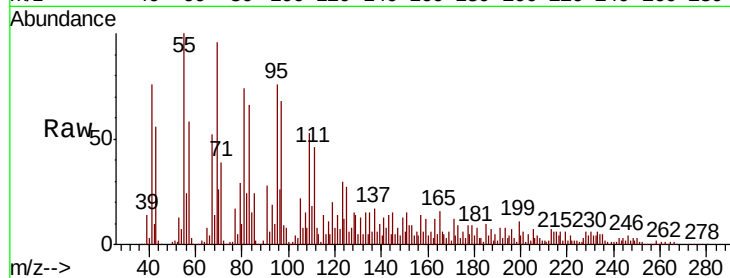
Tot Ion:200 Resp: 7094

Ion Ratio Lower Upper

200 100

173 238.9 6.9 46.9#

215 162.1 29.7 69.7#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BF119079.D

Acq: 25 Feb 2020 22:14

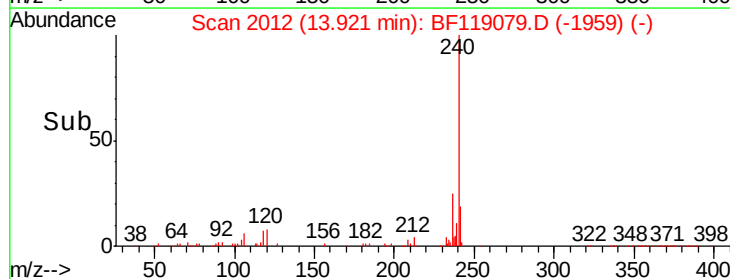
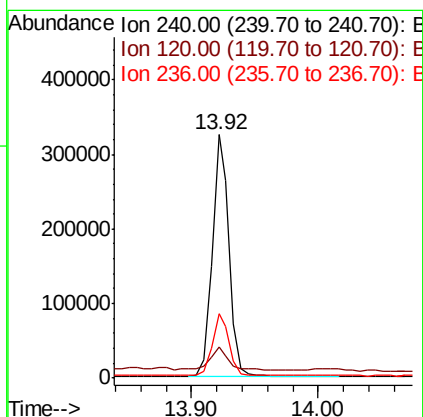
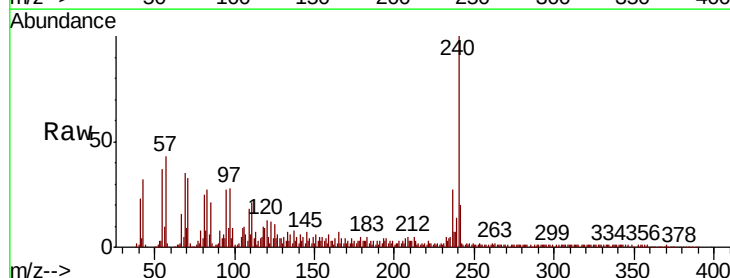
Tgt Ion:240 Resp: 301111

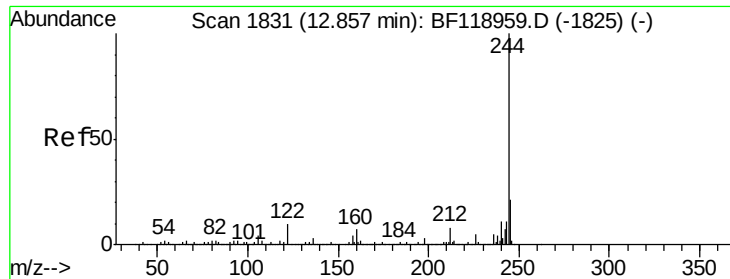
Ion Ratio Lower Upper

240 100

120 12.6 8.9 13.3

236 26.5 20.6 30.8





#79

Terphenyl-d14

Concen: 57.614 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.02 min

Lab File: BF119079.D

Acq: 25 Feb 2020 22:14

Instrument :

BNA_F

ClientSampleId :

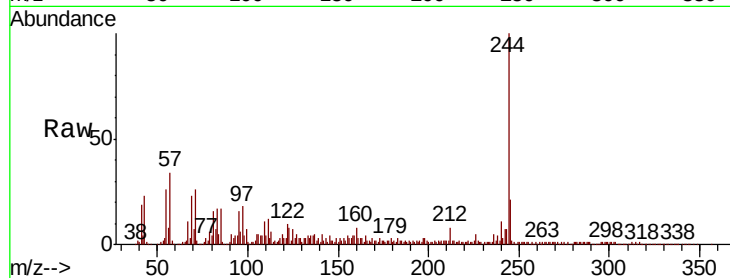
Tot Ion:244 Resp: 1007631

Ion Ratio Lower Upper

244 100

212 7.6 6.3 9.5

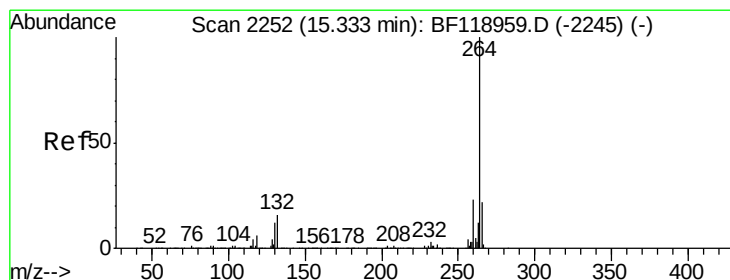
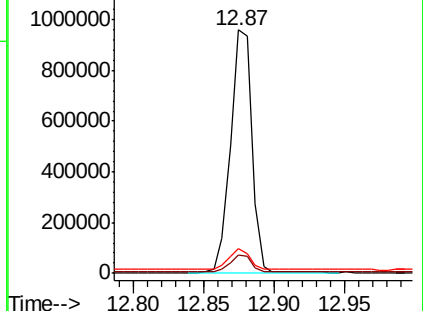
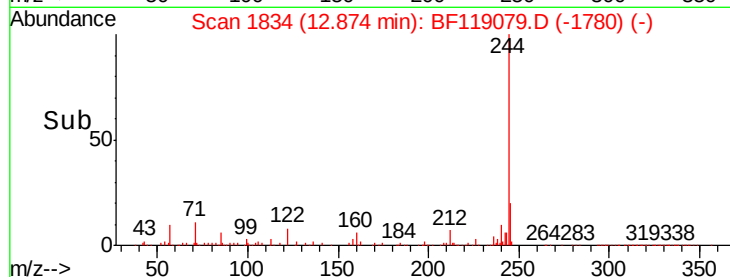
122 10.1 8.4 12.6



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: 15.34 min Scan# 2253

Delta R.T. 0.01 min

Lab File: BF119079.D

Acq: 25 Feb 2020 22:14

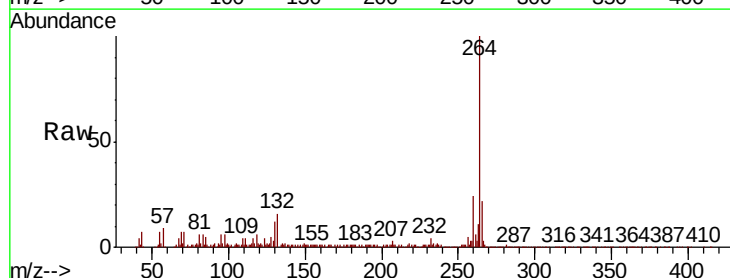
Tgt Ion:264 Resp: 325163

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 21.9 17.3 25.9



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

