

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
 Data File : BF119001.D
 Acq On : 21 Feb 2020 19:20
 Operator : CG/JU
 Sample : L1604-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 24 02:21:45 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	6.76	152	149394	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	516460	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	243011	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	412028	20.00	ng	0.00
76) Chrysene-d12	13.90	240	353003	20.00	ng	0.00
87) Perylene-d12	15.33	264	320339	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	842538	94.25	ng	0.00
7) Phenol-d6	6.40	99	984590	90.56	ng	0.00
23) Nitrobenzene-d5	7.32	82	625270	63.92	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	263183	82.79	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	1121131	67.96	ng	-0.01
79) Terphenyl-d14	12.85	244	1101822	53.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	84678	13.366	ng	# 76
25) Isophorone	7.32	82	625264	36.807	ng	# 63
50) Dimethylphthalate	9.50	163	108239	5.825	ng	99
51) 2,6-Dinitrotoluene	9.79	165	31395	7.604	ng	# 30
57) 2,4-Dinitrotoluene	9.79	165	31395	5.867	ng	# 29
67) 4-Bromophenyl-phenylether	10.57	248	16672	3.096	ng	# 1

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

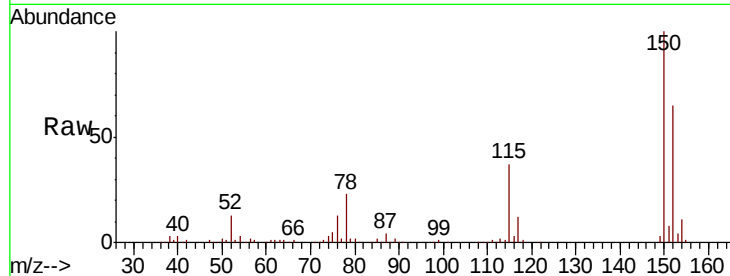


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF119001.D
Acq: 21 Feb 2020 19:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.3	186.5
115	56.6	44.6	67.0

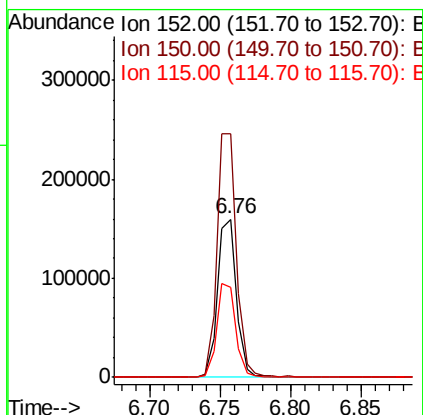
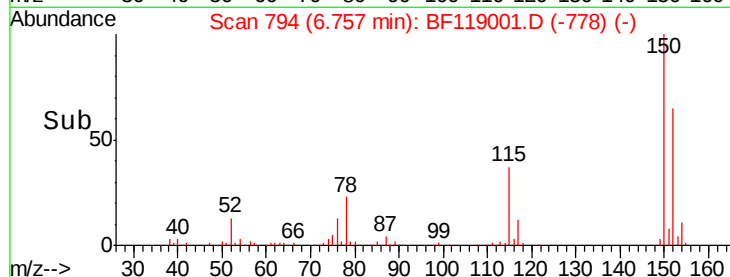


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

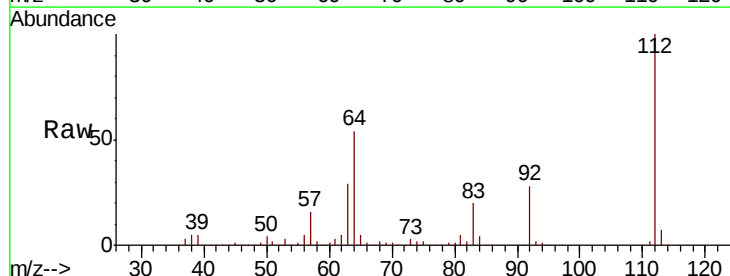
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.249 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF119001.D
Acq: 21 Feb 2020 19:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	40.4	60.6
63	28.6	21.3	31.9

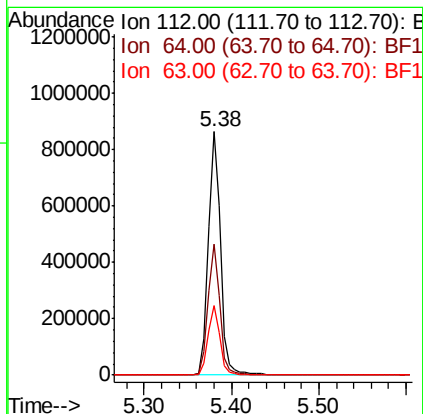
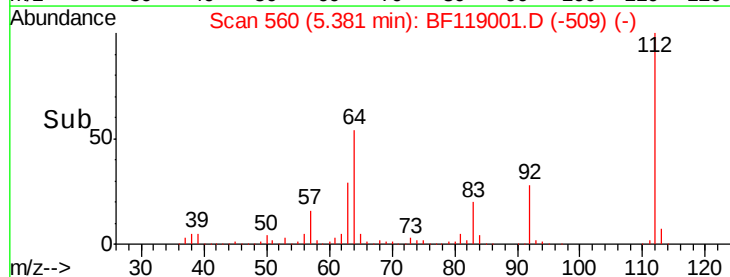


Abundance

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: 90.562 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119001.D

Acq: 21 Feb 2020 19:20

Instrument :

BNA_F

ClientSampleId :

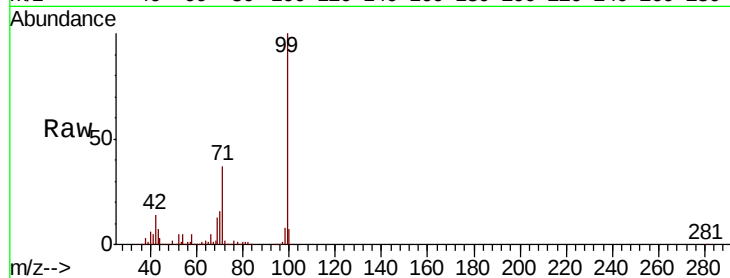
Tot Ion: 99 Resp: 984590

Ion Ratio Lower Upper

99 100

42 13.7 11.4 17.0

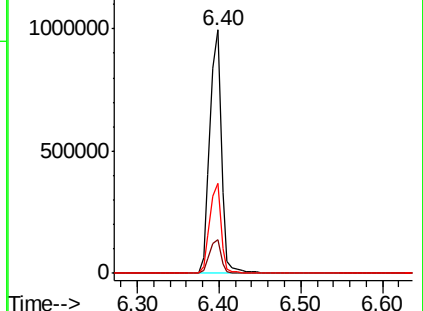
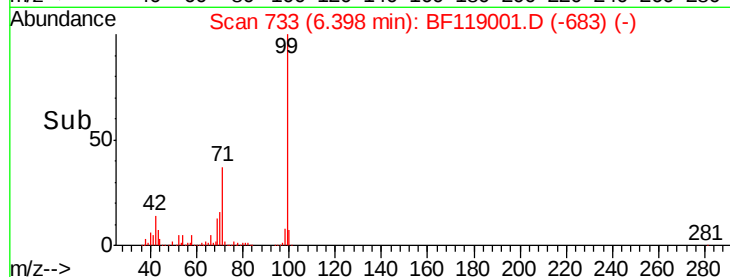
71 36.8 29.8 44.6



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.366 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF119001.D

Acq: 21 Feb 2020 19:20

Tgt Ion: 70 Resp: 84678

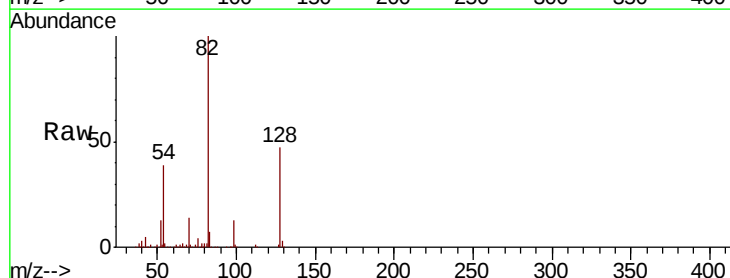
Ion Ratio Lower Upper

70 100

42 35.7 34.6 51.8

101 0.0 8.1 12.1#

130 2.4 19.4 29.2#

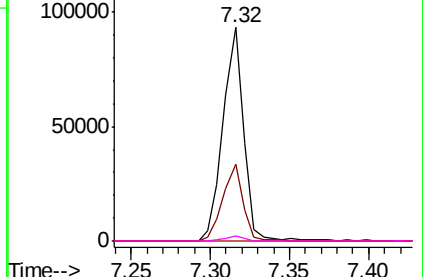
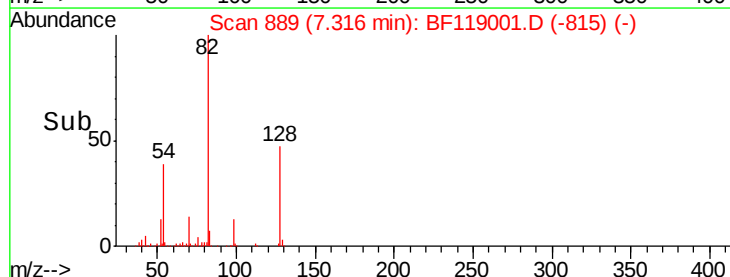


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF119001.D

Acq: 21 Feb 2020 19:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 516460

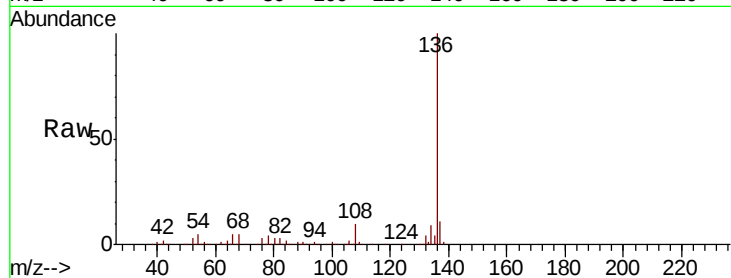
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 5.4 3.8 5.6

68 5.4 4.2 6.2

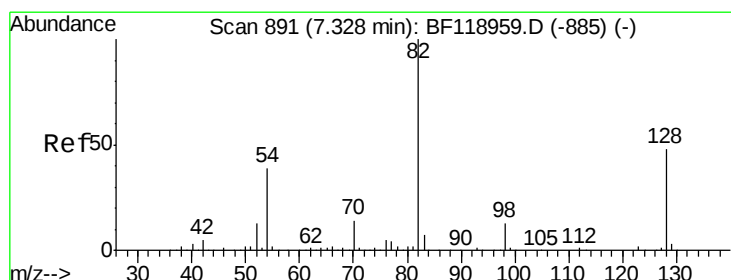
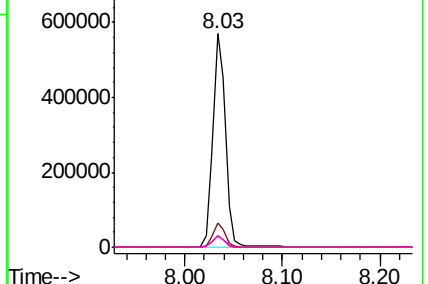
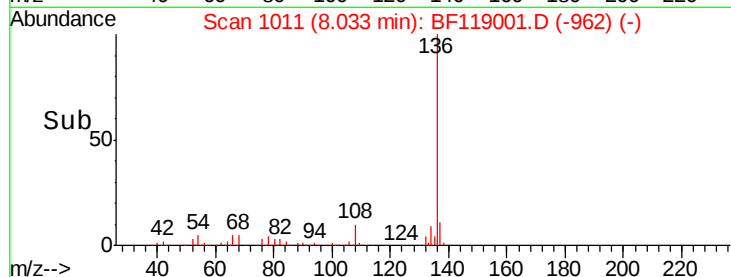


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.924 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF119001.D

Acq: 21 Feb 2020 19:20

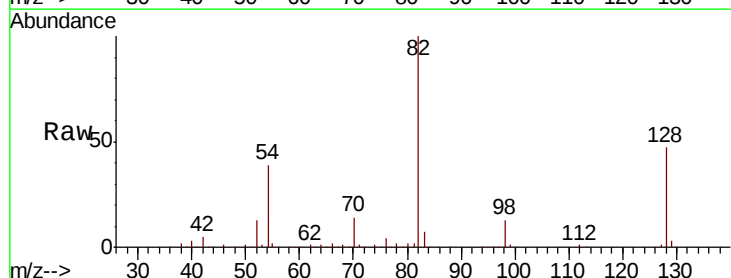
Tgt Ion: 82 Resp: 625270

Ion Ratio Lower Upper

82 100

128 46.6 38.2 57.2

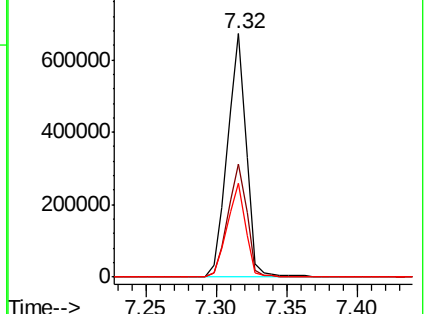
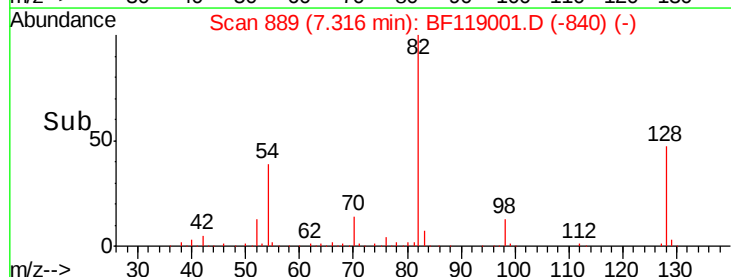
54 38.8 31.3 46.9



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: 36.807 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.27 min

Lab File: BF119001.D

Acq: 21 Feb 2020 19:20

Instrument :

BNA_F

ClientSampleId :

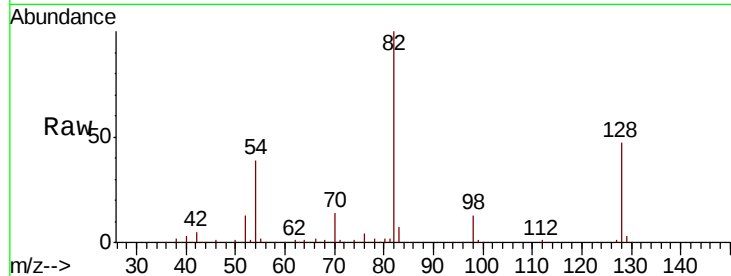
Tot Ion: 82 Resp: 625264

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

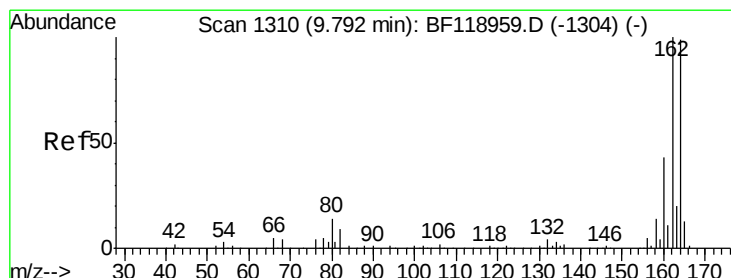
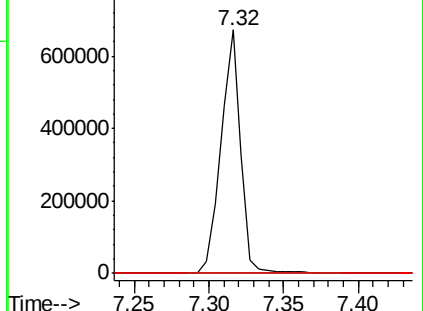
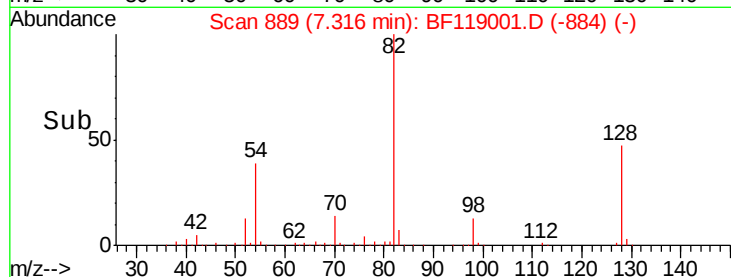
138 0.0 15.8 23.6#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF119001.D

Acq: 21 Feb 2020 19:20

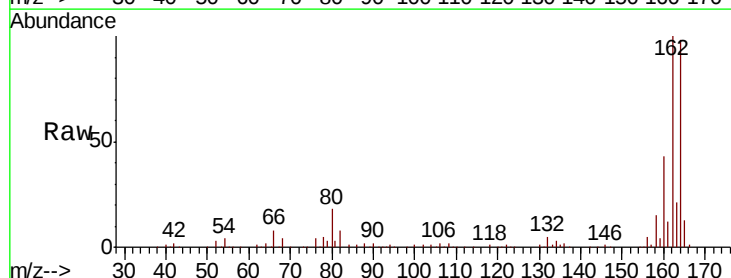
Tgt Ion: 164 Resp: 243011

Ion Ratio Lower Upper

164 100

162 102.4 81.2 121.8

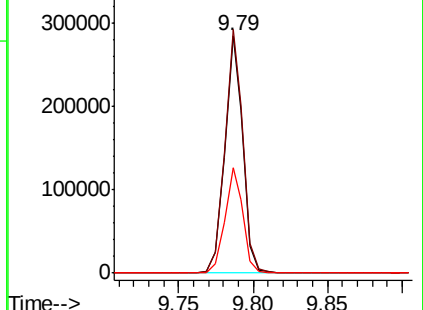
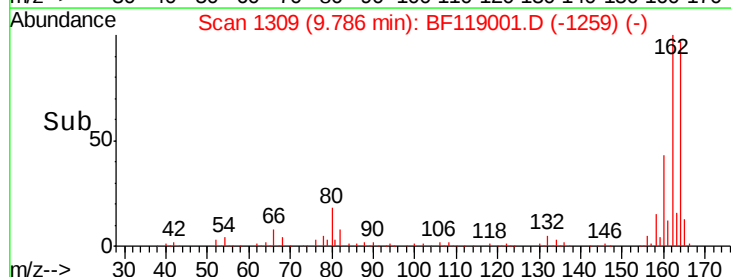
160 44.5 35.2 52.8



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

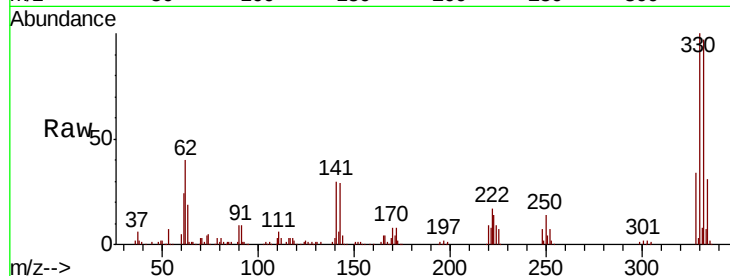




#42
 2,4,6-Tribromophenol
 Concen: 82.788 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF119001.D
 Acq: 21 Feb 2020 19:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.1	115.7
141	29.2	23.0	34.6

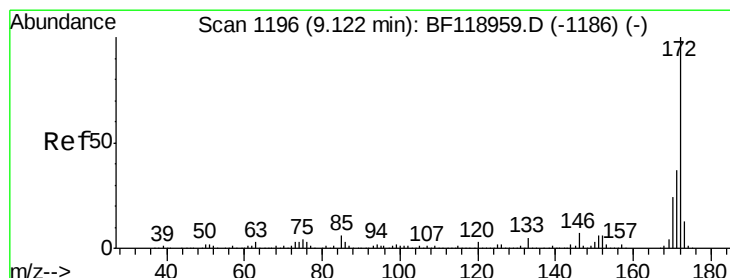
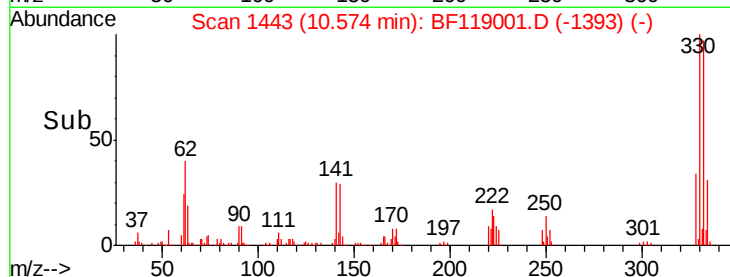
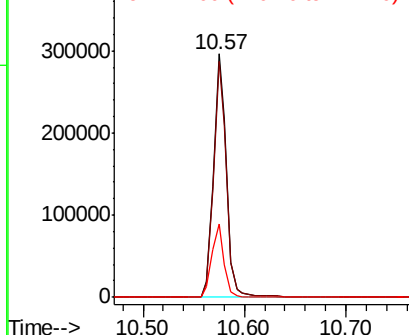


Abundance

Ion 329.80 (329.50 to 330.50): E

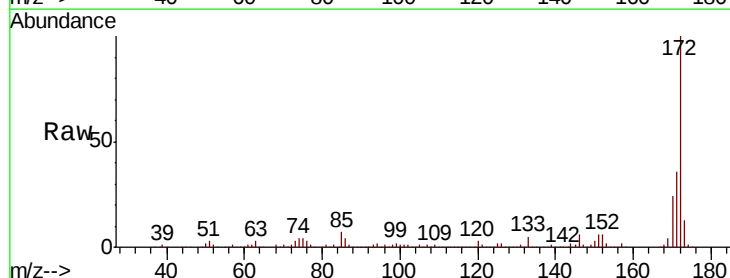
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 67.965 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF119001.D
 Acq: 21 Feb 2020 19:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.2
170	23.7	19.6	29.4

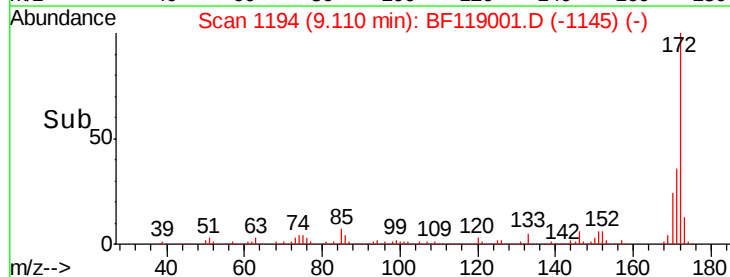
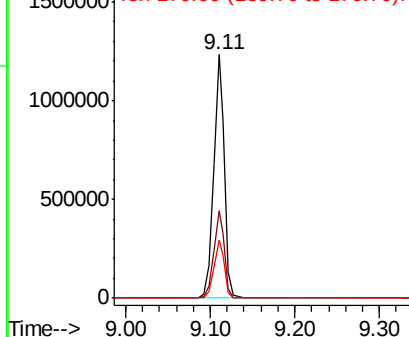


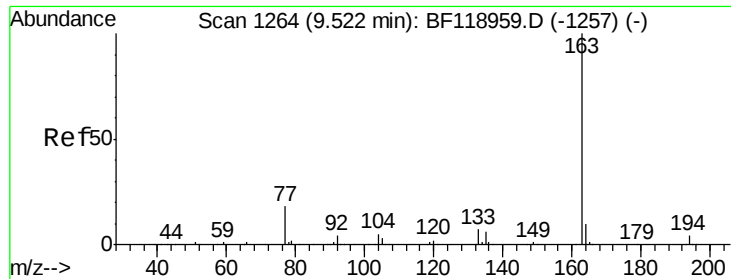
Abundance

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

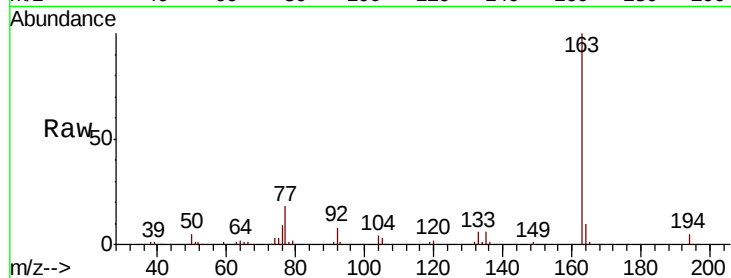




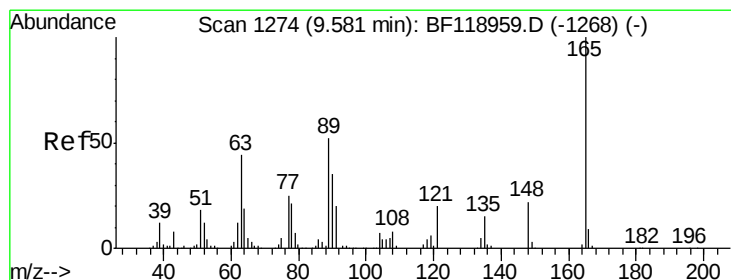
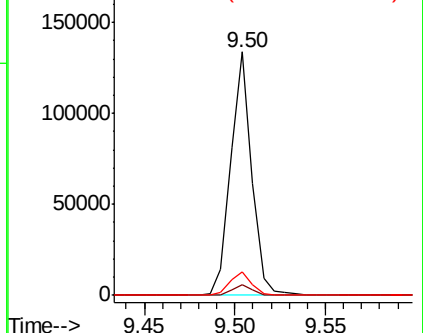
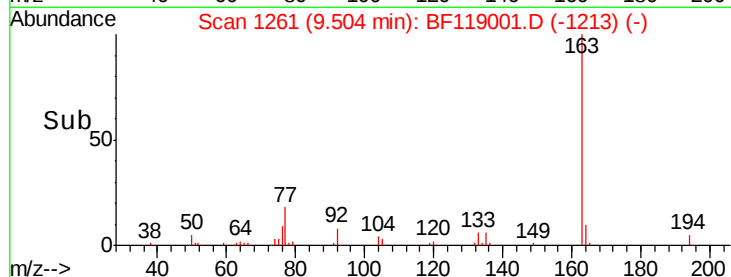
#50
Dimethylphthalate
Concen: 5.825 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF119001.D
Acq: 21 Feb 2020 19:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	9.8	8.2	12.2

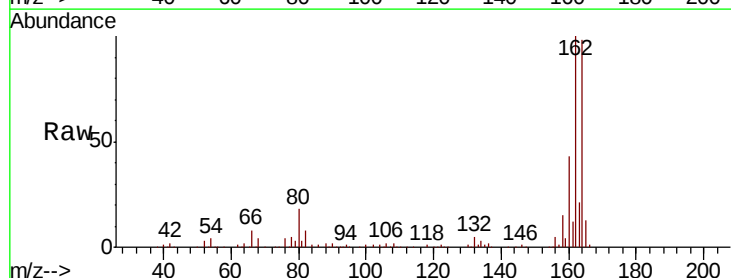


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

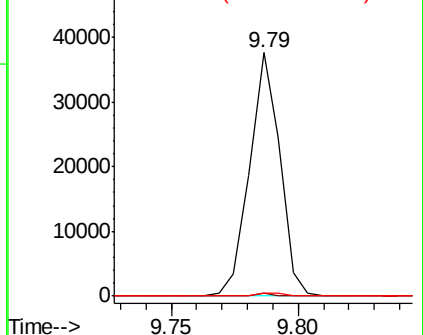
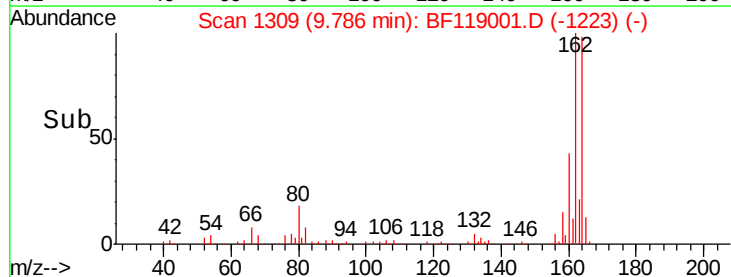


#51
2,6-Dinitrotoluene
Concen: 7.604 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.21 min
Lab File: BF119001.D
Acq: 21 Feb 2020 19:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	37.9	56.9#
89	1.3	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

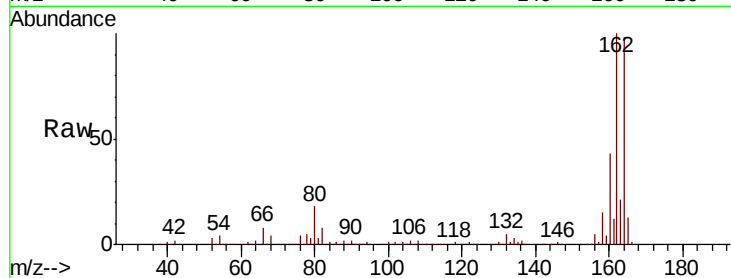




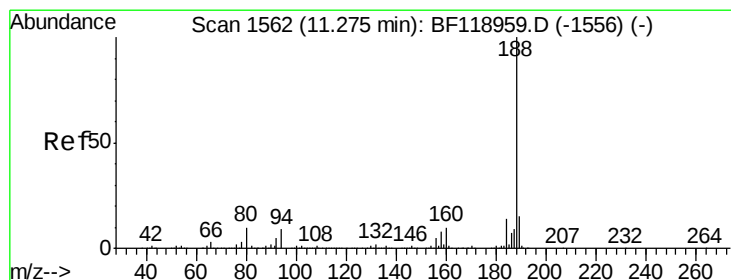
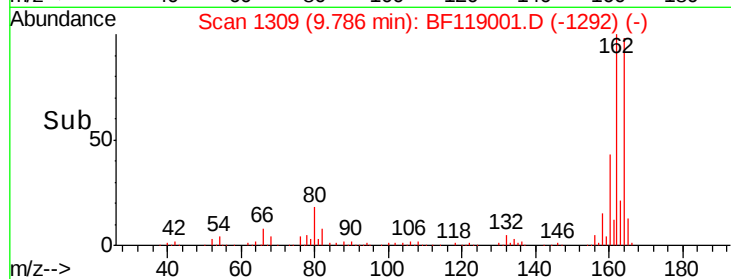
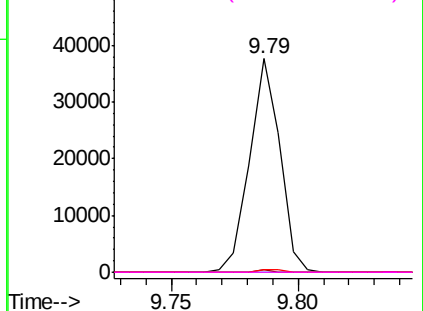
#57
 2,4-Dinitrotoluene
 Concen: 5.867 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.20 min
 Lab File: BF119001.D
 Acq: 21 Feb 2020 19:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	31395	
Ion Ratio	Lower	Upper	
165 100			
63 1.4	29.8	44.8#	
89 1.3	51.9	77.9#	
182 0.0	2.3	3.5#	

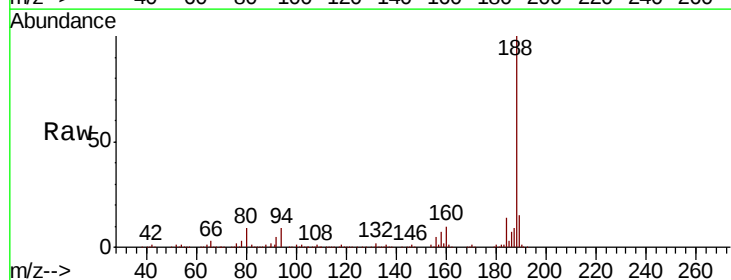


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

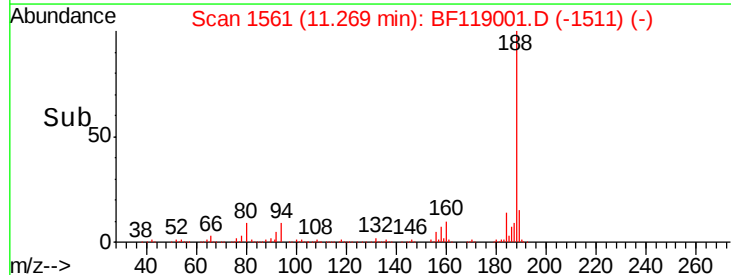
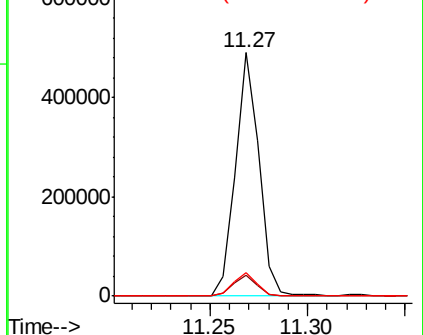


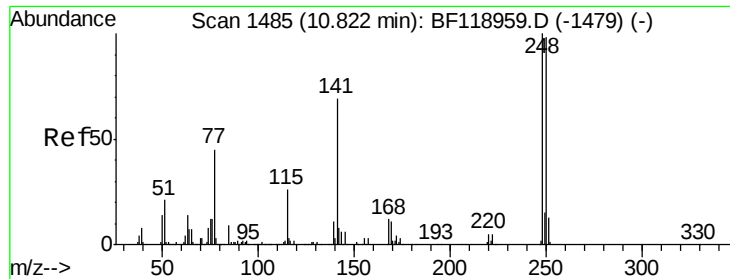
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF119001.D
 Acq: 21 Feb 2020 19:20

Tgt Ion:188	Resp: 412028
Ion Ratio	Lower Upper
188 100	
94 8.7	7.0 10.6
80 9.4	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

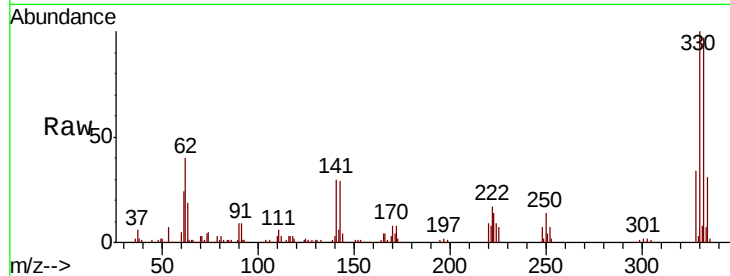




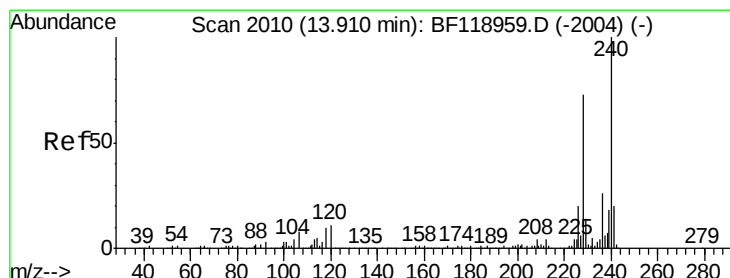
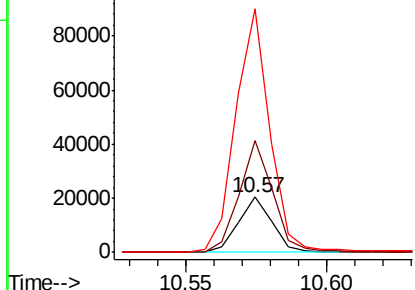
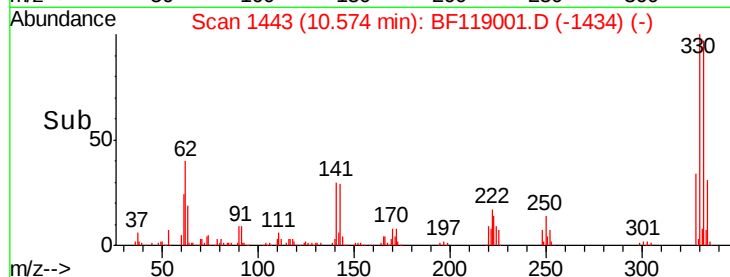
#67
4-Bromophenyl-phenylether
Concen: 3.096 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.25 min
Lab File: BF119001.D
Acq: 21 Feb 2020 19:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16672
Ion Ratio Lower Upper
248 100
250 201.8 78.8 118.2#
141 441.1 55.3 82.9#

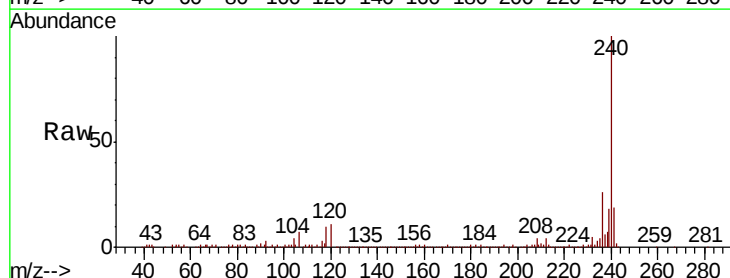


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

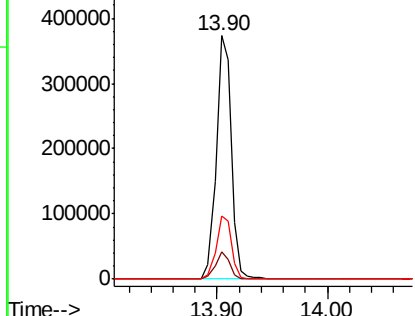
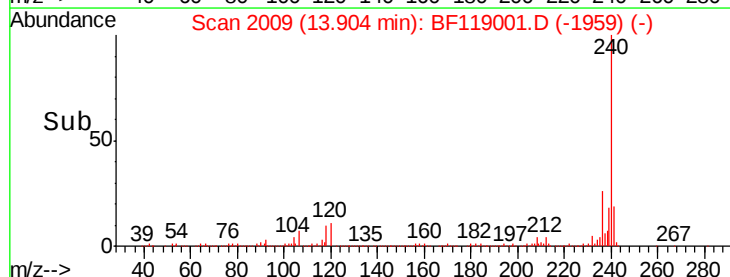


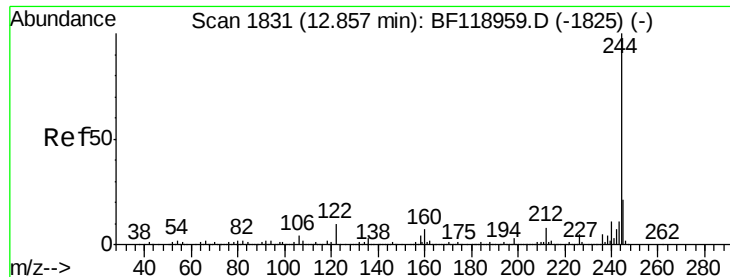
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF119001.D
Acq: 21 Feb 2020 19:20

Tgt Ion:240 Resp: 353003
Ion Ratio Lower Upper
240 100
120 11.2 8.9 13.3
236 25.8 20.6 30.8



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: 53.738 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF119001.D

Acq: 21 Feb 2020 19:20

Instrument :

BNA_F

ClientSampleId :

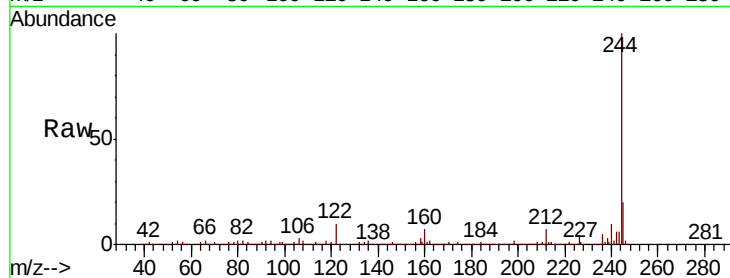
Tot Ion:244 Resp: 1101822

Ion Ratio Lower Upper

244 100

212 6.9 6.3 9.5

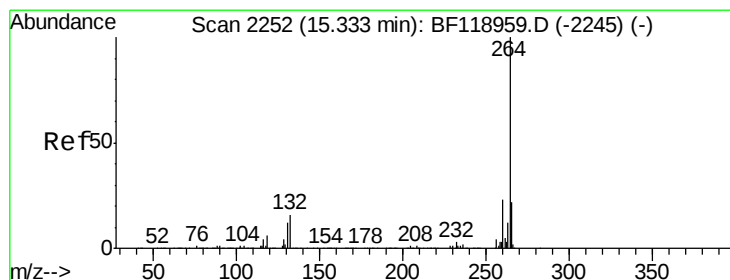
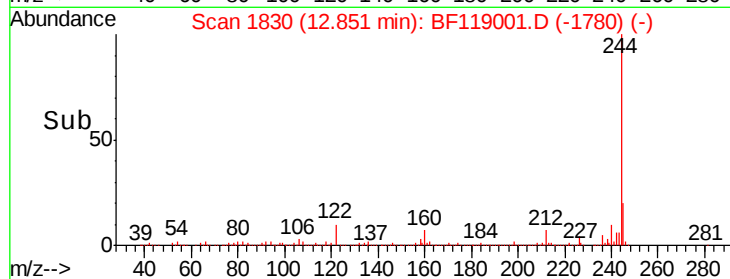
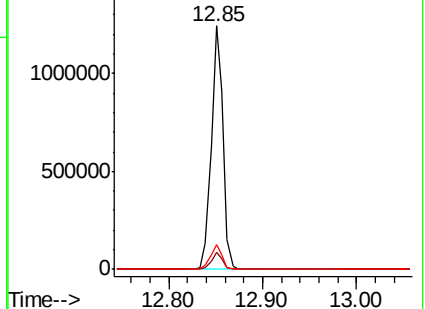
122 9.9 8.4 12.6



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: 15.33 min Scan# 2252

Delta R.T. -0.00 min

Lab File: BF119001.D

Acq: 21 Feb 2020 19:20

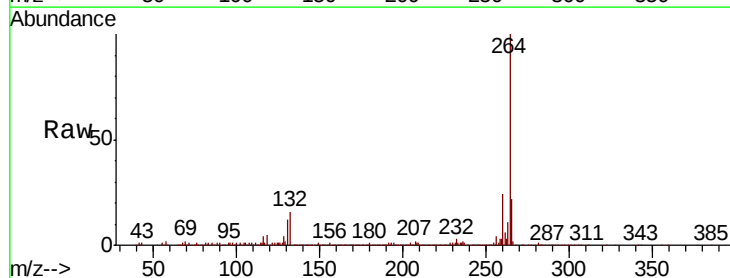
Tgt Ion:264 Resp: 320339

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 21.8 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

