

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
 Data File : BF119053.D
 Acq On : 25 Feb 2020 7:43
 Operator : CG/JU
 Sample : L1593-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

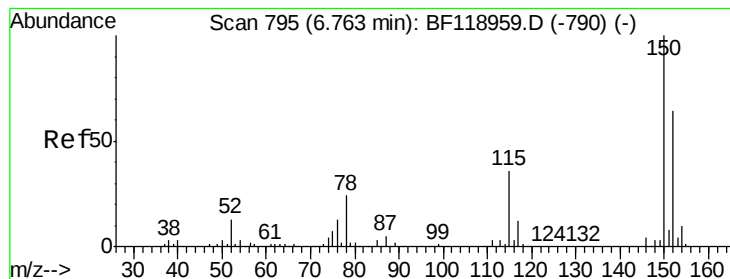
Quant Time: Feb 25 10:10:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	137734	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	550896	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	290648	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	506384	20.00	ng	0.00
76) Chrysene-d12	13.90	240	348209	20.00	ng	0.00
87) Perylene-d12	15.33	264	343425	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	896742	108.81	ng	0.03
7) Phenol-d6	6.43	99	839869	83.79	ng	0.03
23) Nitrobenzene-d5	7.33	82	875203	83.88	ng	0.00
42) 2,4,6-Tribromophenol	10.57	330	464519	122.17	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	1685444	85.43	ng	-0.01
79) Terphenyl-d14	12.85	244	1653325	81.75	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.59	88	33527	9.137	ng	# 1
10) Phenol	6.45	94	24016	2.216	ng	# 94
15) Benzyl Alcohol	6.92	79	22249	3.071	ng	# 52
16) 2,2'-oxybis(1-Chloropropan	7.26	45	52567	7.318	ng	# 71
17) 2-Methylphenol	7.20	107	752713	104.381	ng	# 71
19) n-Nitroso-di-n-propylamine	7.26	70	52174	8.933	ng	# 34
20) 3+4-Methylphenols	7.20	107	752713	85.200	ng	# 52
24) Nitrobenzene	7.20	77	232973	22.580	ng	# 40
25) Isophorone	7.33	82	875176	48.299	ng	# 63
27) 2,4-Dimethylphenol	7.86	122	34728	4.681	ng	# 4
32) Benzoic acid	7.86	122	34728	12.202	ng	# 99
51) 2,6-Dinitrotoluene	9.79	165	36982	7.490	ng	# 34
67) 4-Bromophenyl-phenylether	10.57	248	30308	4.579	ng	# 1

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

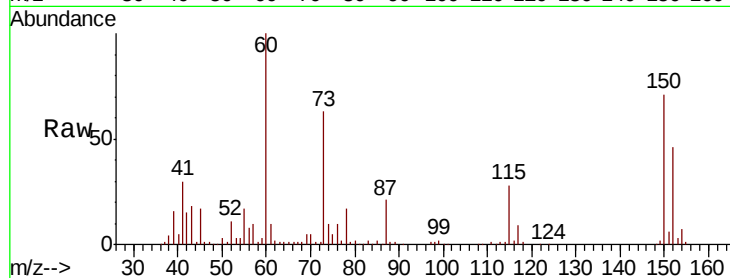


#1

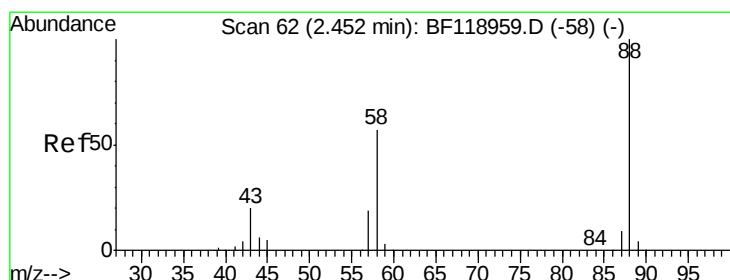
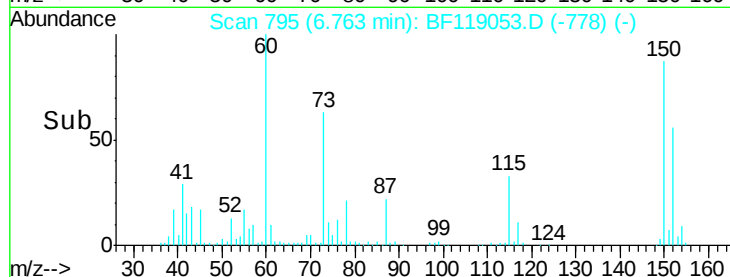
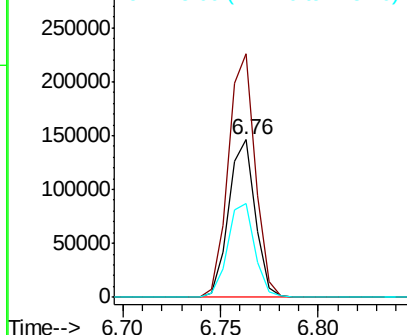
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF119053.D
Acq: 25 Feb 2020 7:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 137734
Ion Ratio Lower Upper
152 100
150 154.4 124.3 186.5
115 59.5 44.6 67.0



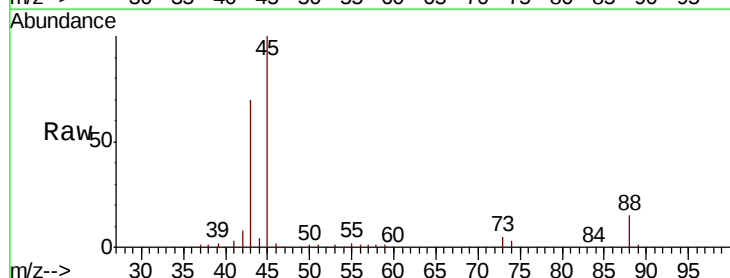
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



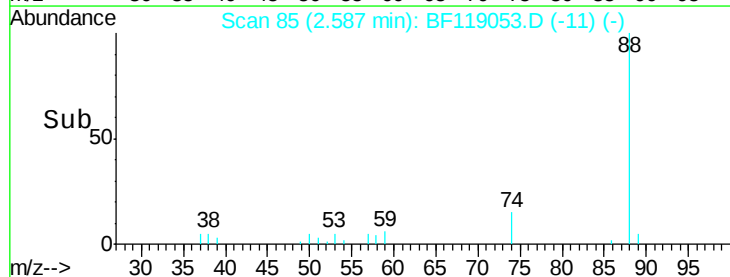
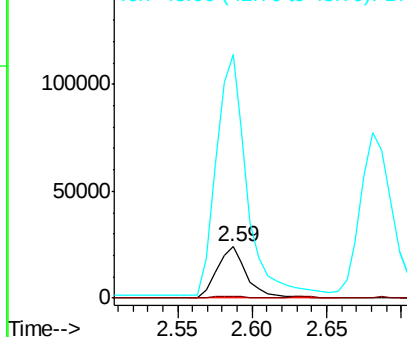
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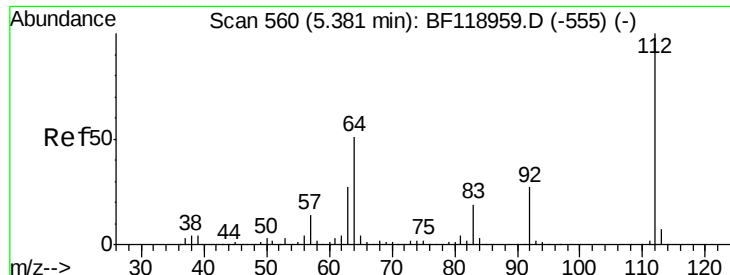
1,4-Dioxane
Concen: 9.137 ng
RT: 2.59 min Scan# 85
Delta R.T. 0.14 min
Lab File: BF119053.D
Acq: 25 Feb 2020 7:43

Tgt Ion: 88 Resp: 33527
Ion Ratio Lower Upper
88 100
58 4.3 44.6 66.8#
43 480.6 16.0 24.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1

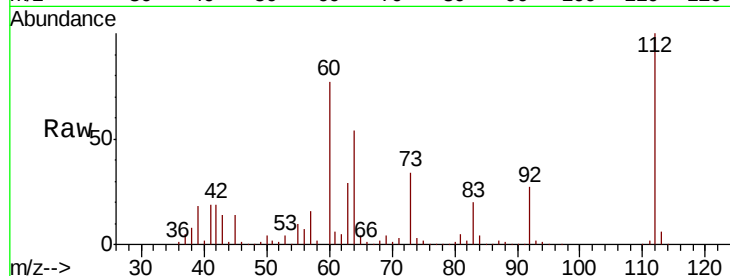




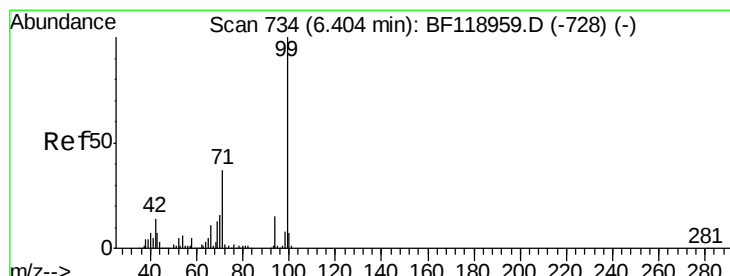
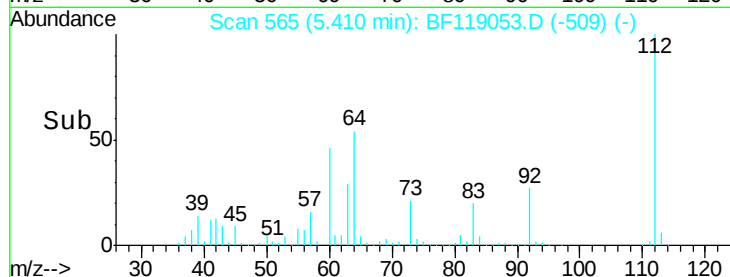
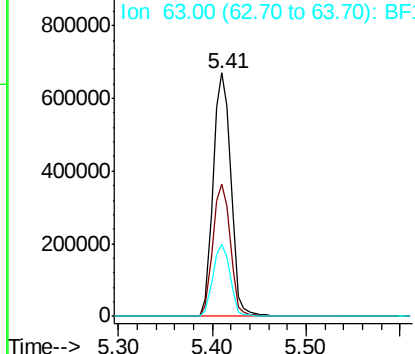
#5
 2-Fluorophenol
 Concen: 108.805 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.03 min
 Lab File: BF119053.D
 Acq: 25 Feb 2020 7:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
112	100		
64	54.2	40.4	60.6
63	29.5	21.3	31.9

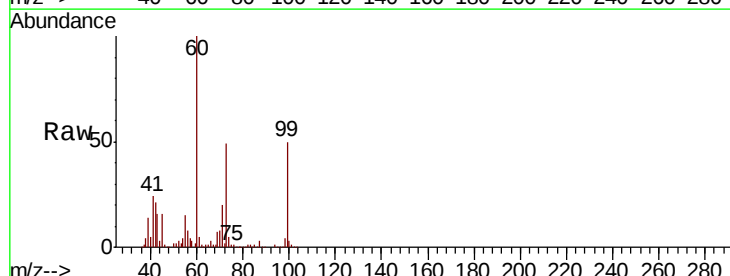


Abundance Ion 112.00 (111.70 to 112.70): BF1
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1

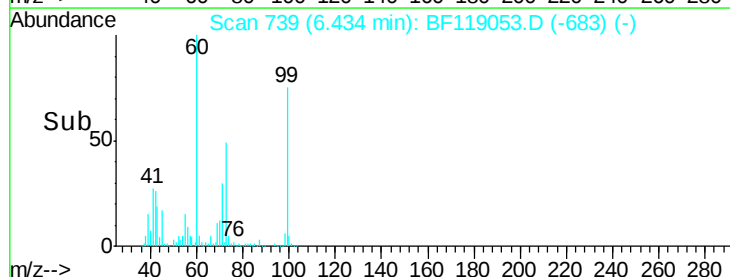
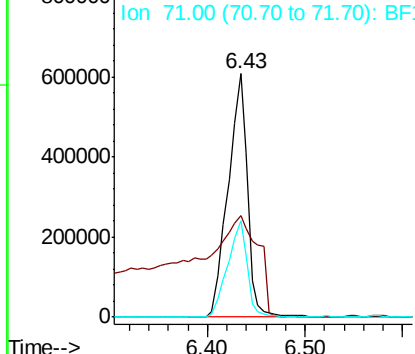


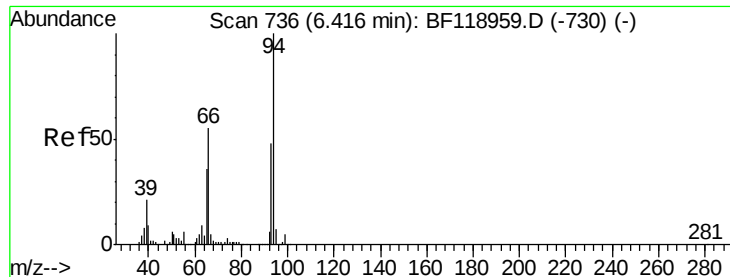
#7
 Phenol-d6
 Concen: 83.790 ng
 RT: 6.43 min Scan# 739
 Delta R.T. 0.03 min
 Lab File: BF119053.D
 Acq: 25 Feb 2020 7:43

Tgt Ion	Ratio	Lower	Upper
99	100		
42	41.5	11.4	17.0#
71	39.5	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





#10

Phenol

Concen: 2.216 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.03 min

Lab File: BF119053.D

Acq: 25 Feb 2020 7:43

Instrument :

BNA_F

ClientSampled :

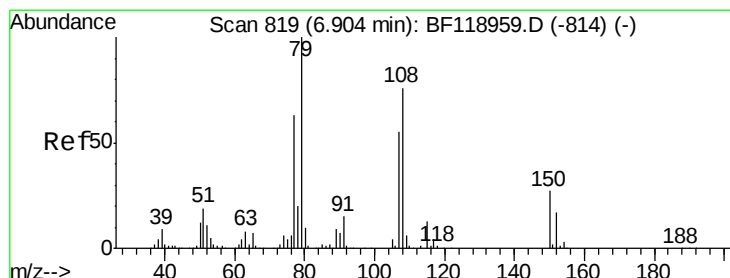
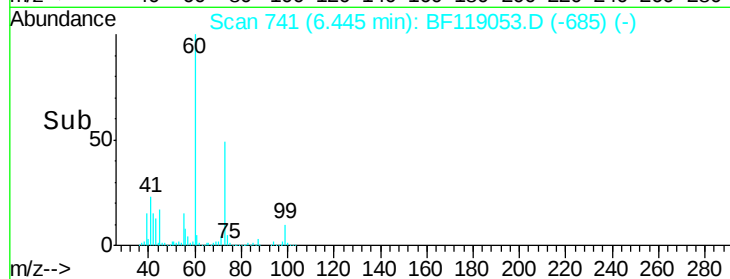
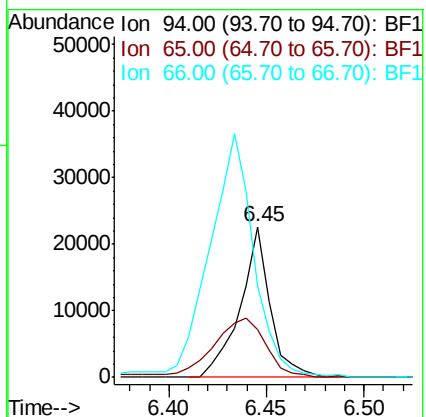
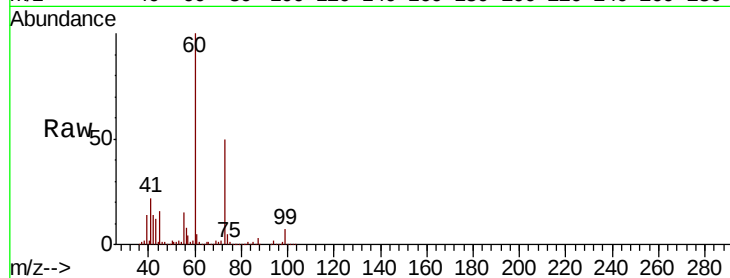
Tot Ion: 94 Resp: 24016

Ion Ratio Lower Upper

94 100

65 32.0 15.5 55.5

66 60.3 35.6 75.6



#15

Benzyl Alcohol

Concen: 3.071 ng

RT: 6.92 min Scan# 821

Delta R.T. 0.01 min

Lab File: BF119053.D

Acq: 25 Feb 2020 7:43

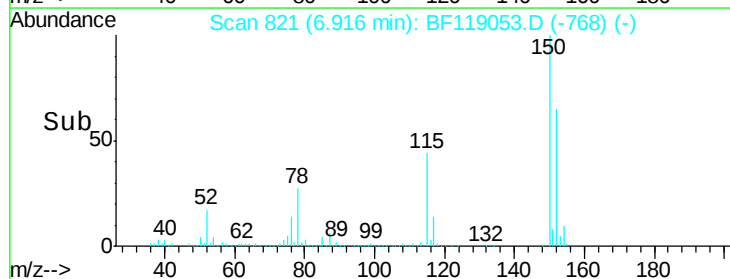
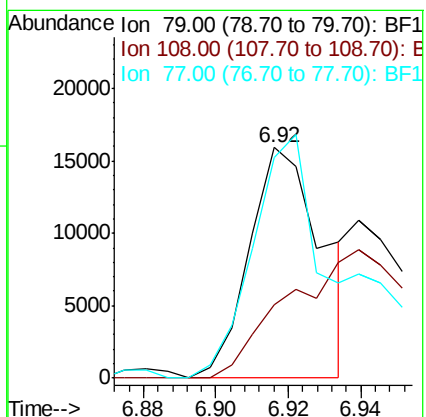
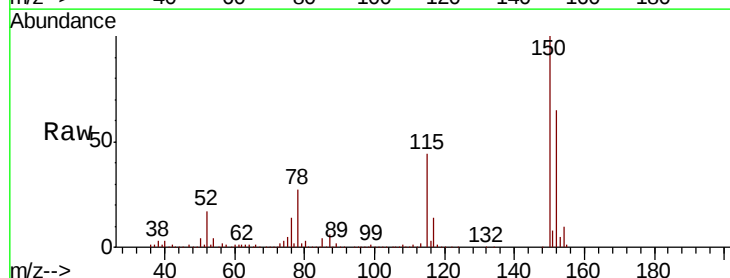
Tgt Ion: 79 Resp: 22249

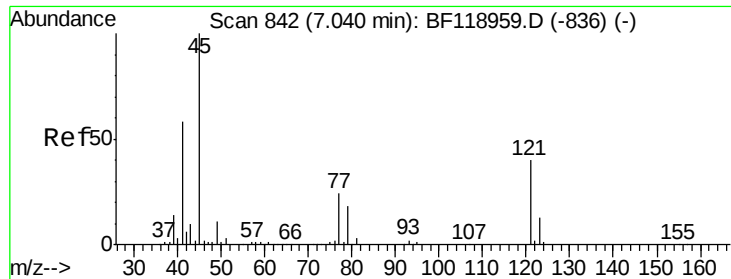
Ion Ratio Lower Upper

79 100

108 31.7 61.1 91.7#

77 96.0 50.2 75.2#

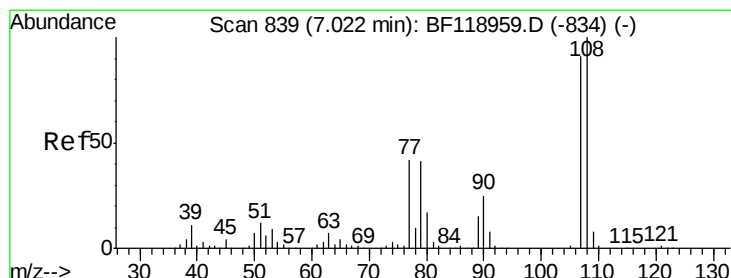
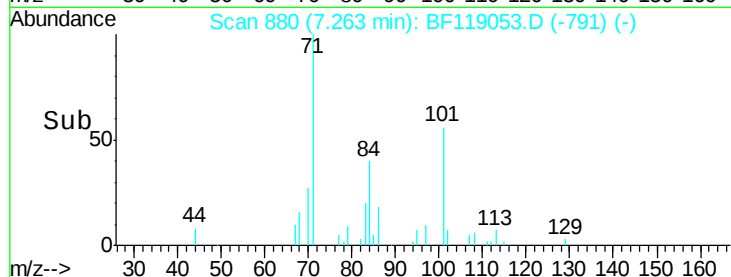
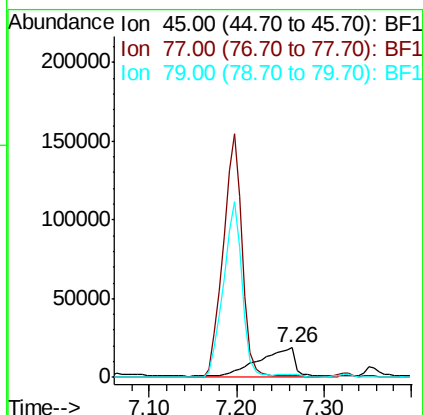
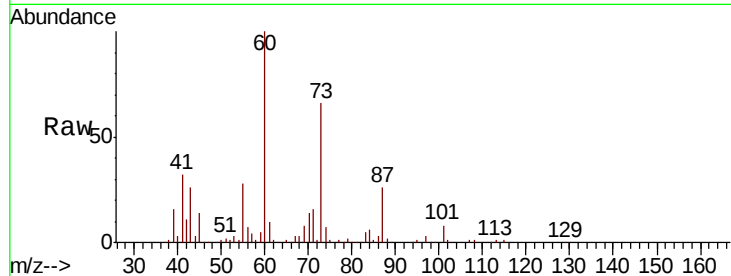




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 7.318 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.22 min
Lab File: BF119053.D
Acq: 25 Feb 2020 7:43

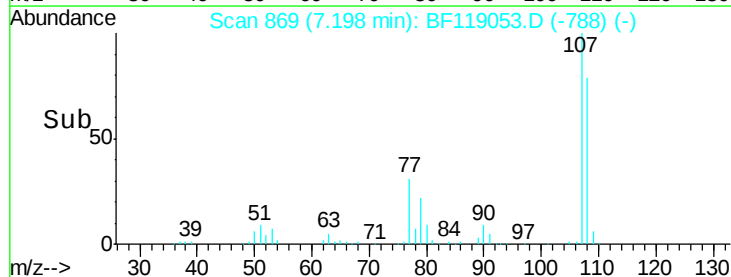
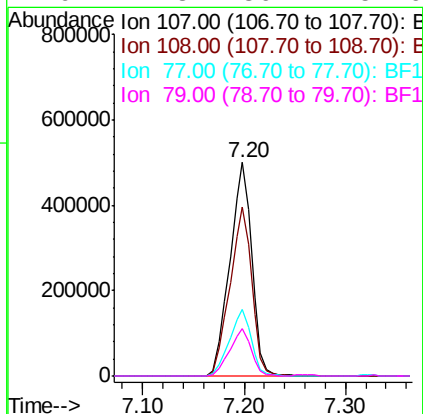
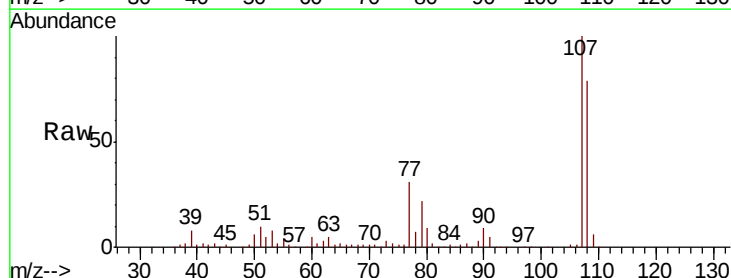
Instrument :
BNA_F
ClientSampleId :

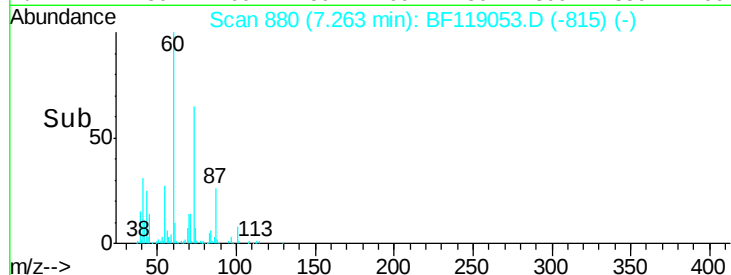
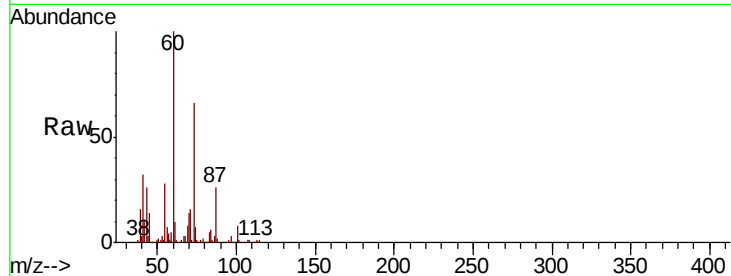
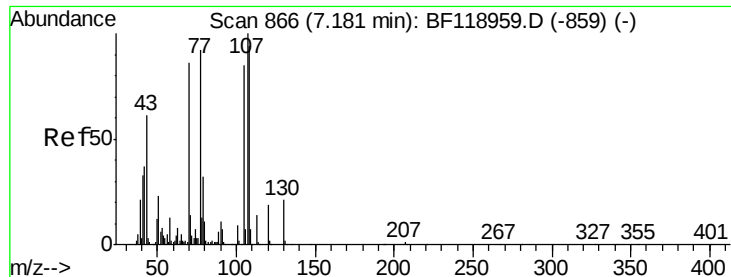
Tot Ion	Ratio	Lower	Upper
45	100		
77	7.3	6.1	46.1
79	11.6	0.5	40.5



#17
2-Methylphenol
Concen: 104.381 ng
RT: 7.20 min Scan# 869
Delta R.T. 0.18 min
Lab File: BF119053.D
Acq: 25 Feb 2020 7:43

Tgt Ion	Ratio	Lower	Upper
107	100		
108	79.1	87.7	131.5#
77	30.9	36.8	55.2#
79	22.3	36.4	54.6#

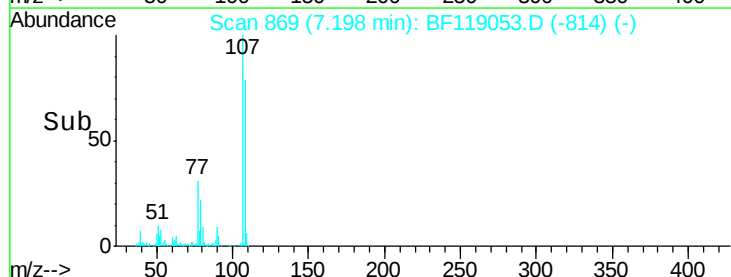
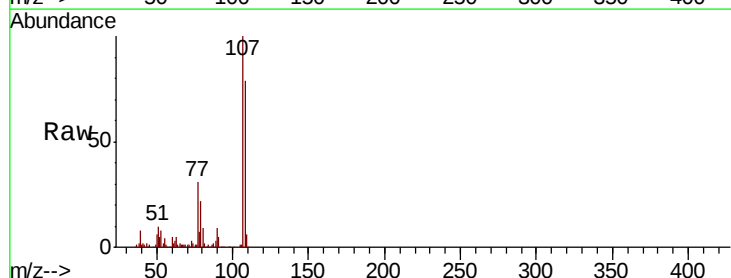
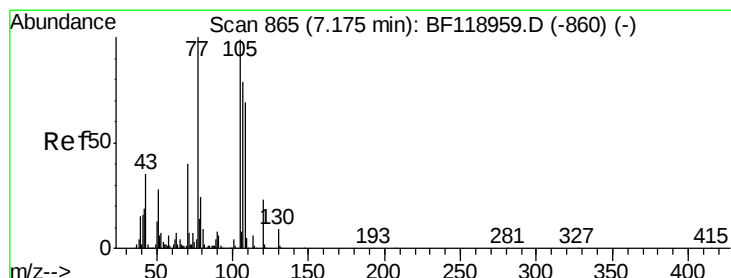
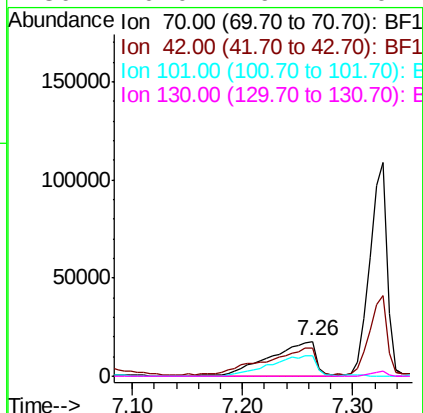




#19
n-Nitroso-di-n-propylamine
Concen: 8.933 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.08 min
Lab File: BF119053.D
Acq: 25 Feb 2020 7:43

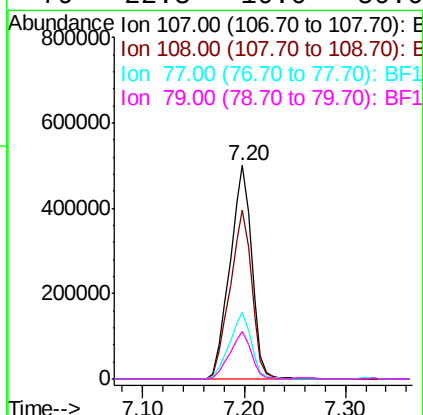
Instrument :
BNA_F
ClientSampleId :

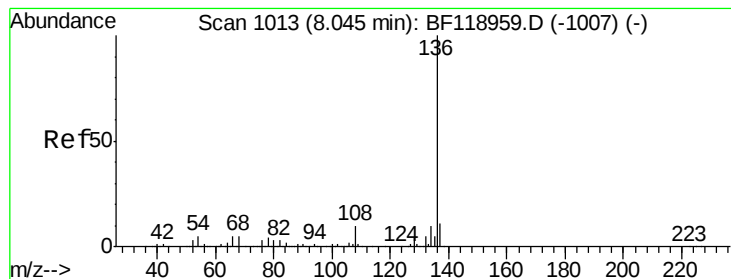
Tot Ion	Ratio	Lower	Upper
70	100		
42	81.7	34.6	51.8#
101	57.9	8.1	12.1#
130	0.0	19.4	29.2#



#20
3+4-Methylphenols
Concen: 85.200 ng
RT: 7.20 min Scan# 869
Delta R.T. 0.02 min
Lab File: BF119053.D
Acq: 25 Feb 2020 7:43

Tgt Ion	Ratio	Lower	Upper
107	100		
108	79.1	67.0	107.0
77	30.9	106.2	146.2#
79	22.3	10.0	50.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF119053.D

Acq: 25 Feb 2020 7:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 550896

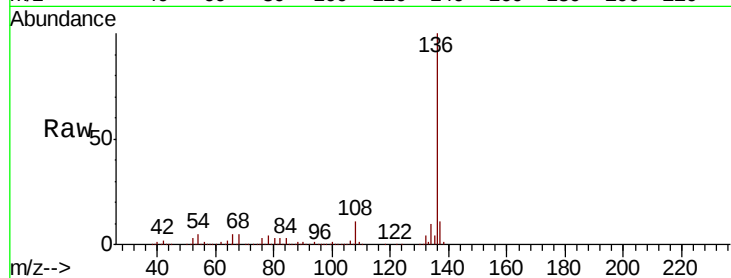
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 4.8 3.8 5.6

68 5.3 4.2 6.2

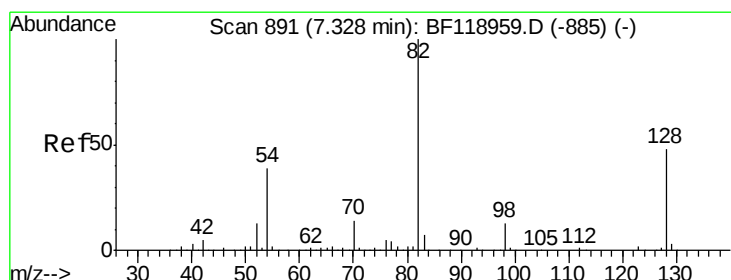
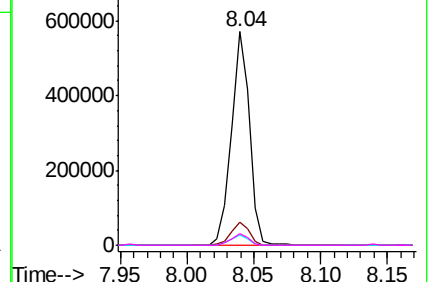
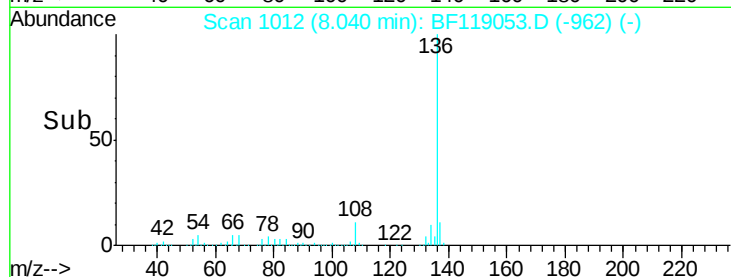


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.883 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF119053.D

Acq: 25 Feb 2020 7:43

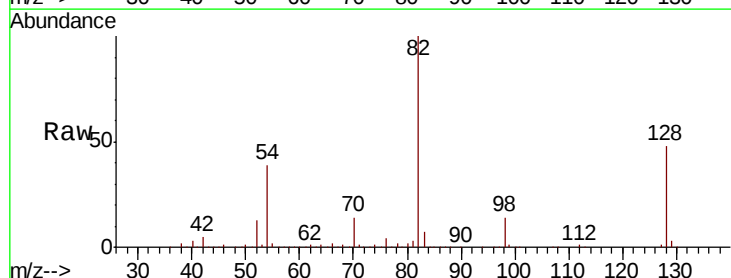
Tgt Ion: 82 Resp: 875203

Ion Ratio Lower Upper

82 100

128 48.0 38.2 57.2

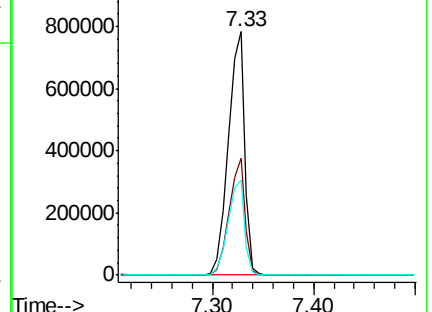
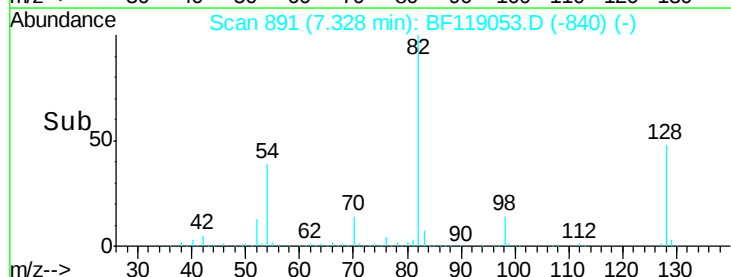
54 39.0 31.3 46.9

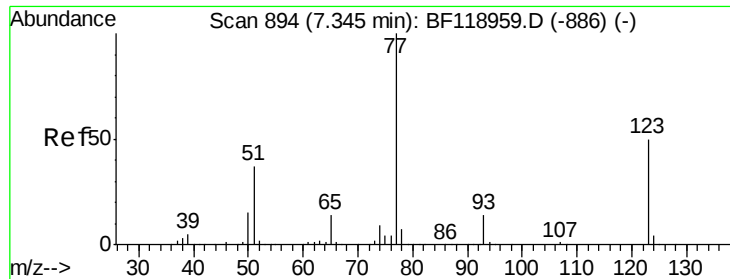


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

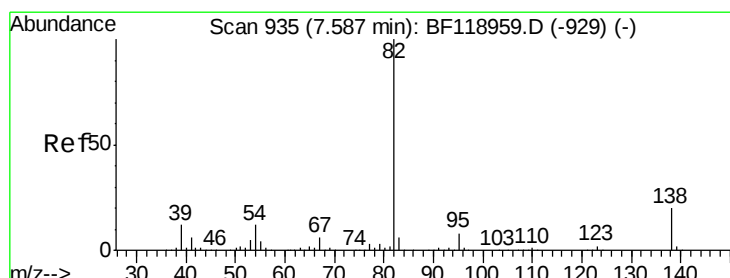
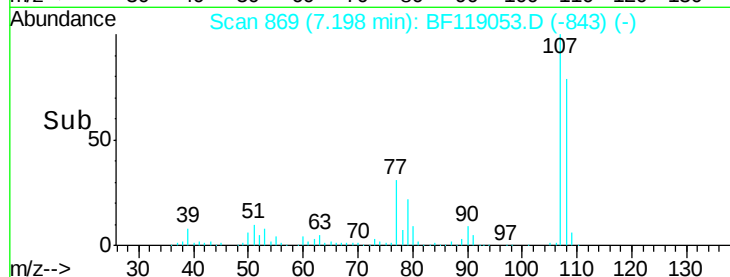
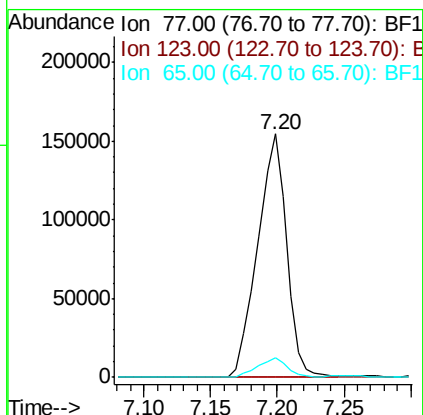
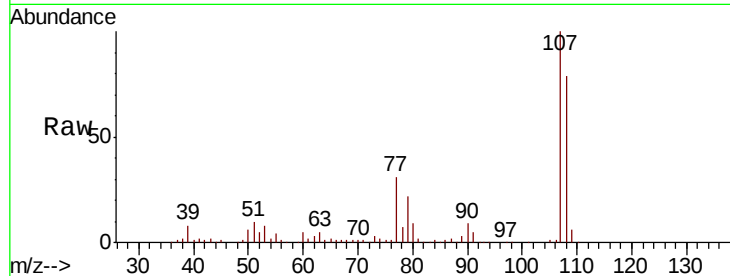




#24
 Nitrobenzene
 Concen: 22.580 ng
 RT: 7.20 min Scan# 869
 Delta R.T. -0.15 min
 Lab File: BF119053.D
 Acq: 25 Feb 2020 7:43

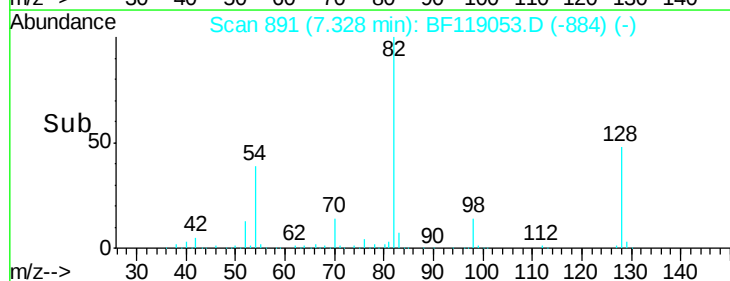
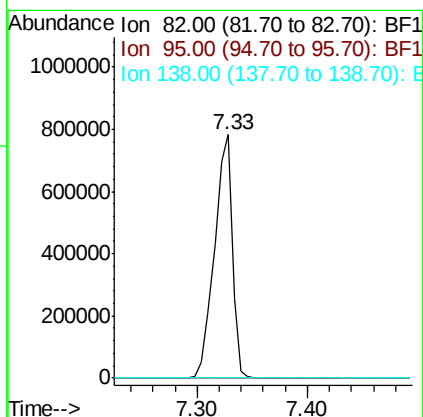
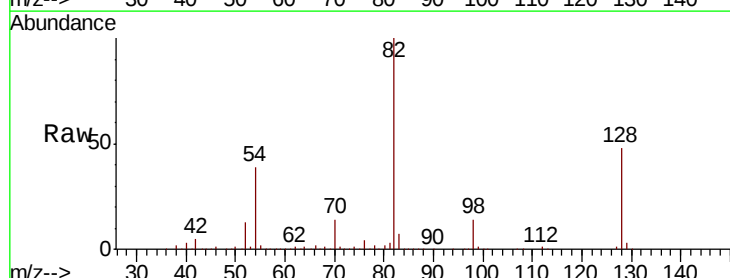
Instrument :
 BNA_F
 ClientSampleId :

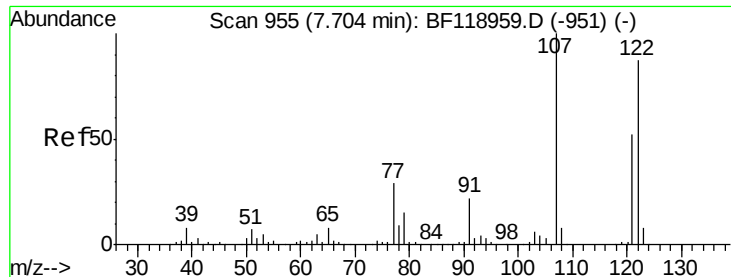
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	40.1	60.1#
65	7.9	10.9	16.3#



#25
 Isophorone
 Concen: 48.299 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.26 min
 Lab File: BF119053.D
 Acq: 25 Feb 2020 7:43

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.1	9.1#
138	0.0	15.8	23.6#

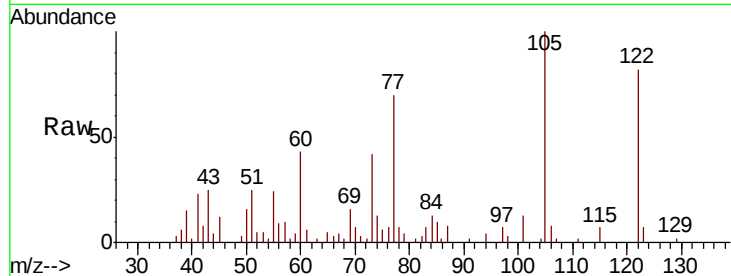




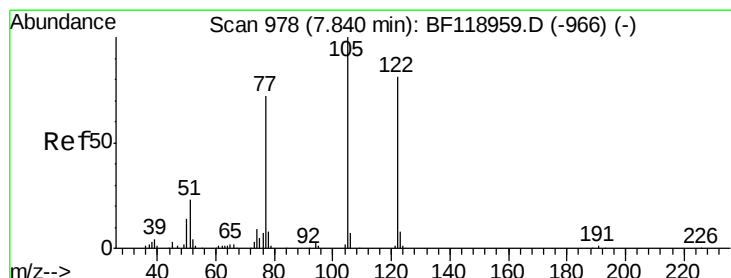
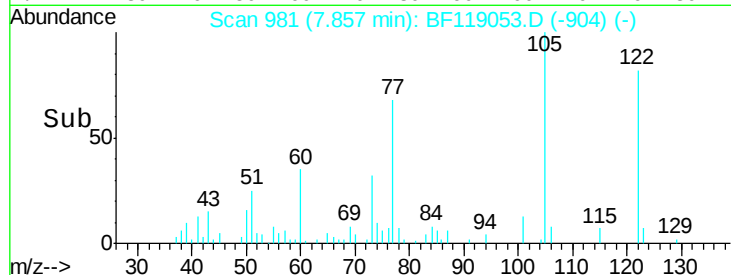
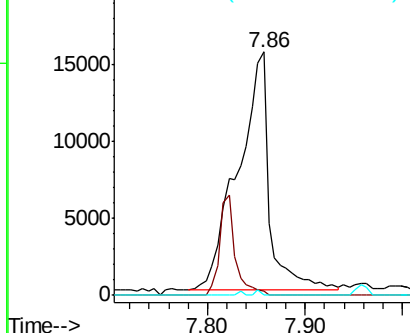
#27
2,4-Dimethylphenol
Concen: 4.681 ng
RT: 7.86 min Scan# 981
Delta R.T. 0.15 min
Lab File: BF119053.D
Acq: 25 Feb 2020 7:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 34728
Ion Ratio Lower Upper
122 100
107 2.0 91.8 137.8#
121 0.0 47.4 71.0#

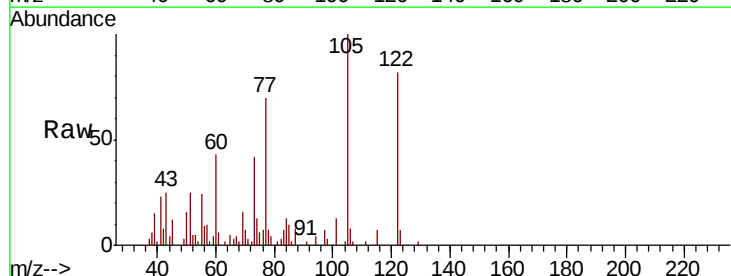


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

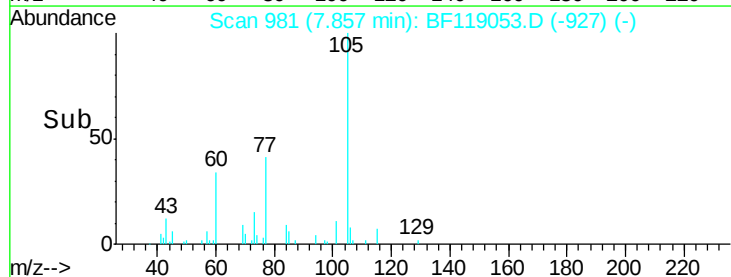
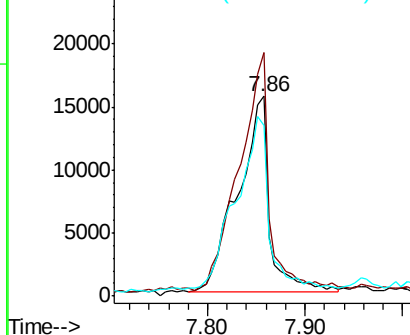


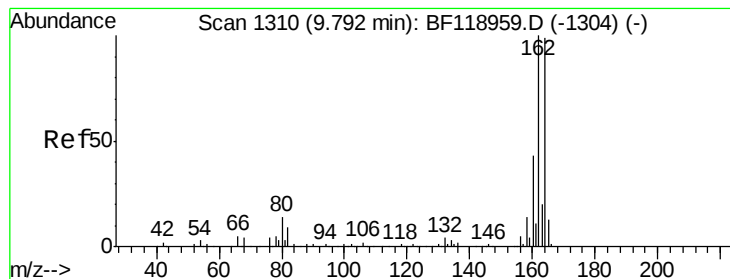
#32
Benzoic acid
Concen: 12.202 ng
RT: 7.86 min Scan# 981
Delta R.T. 0.02 min
Lab File: BF119053.D
Acq: 25 Feb 2020 7:43

Tgt Ion:122 Resp: 34728
Ion Ratio Lower Upper
122 100
105 122.0 102.2 142.2
77 85.5 68.6 108.6



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): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF119053.D

Acq: 25 Feb 2020 7:43

Instrument :

BNA_F

ClientSampleId :

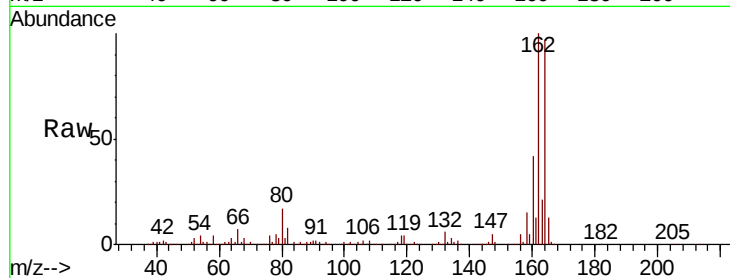
Tot Ion:164 Resp: 290648

Ion Ratio Lower Upper

164 100

162 102.9 81.2 121.8

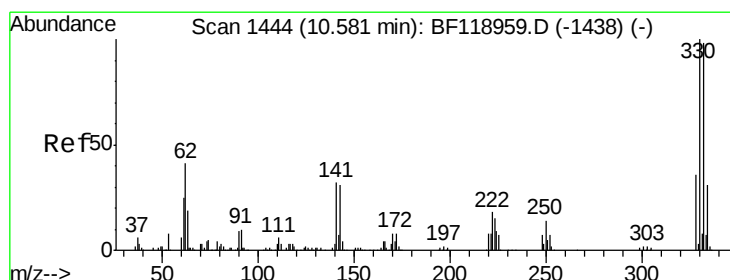
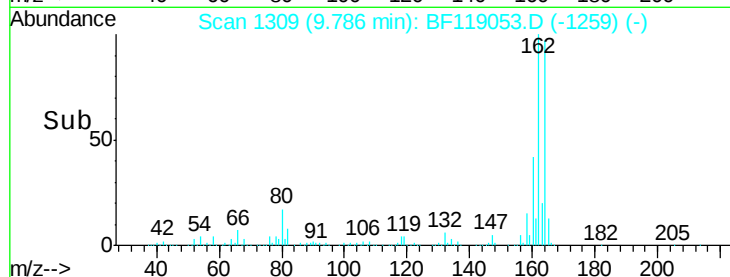
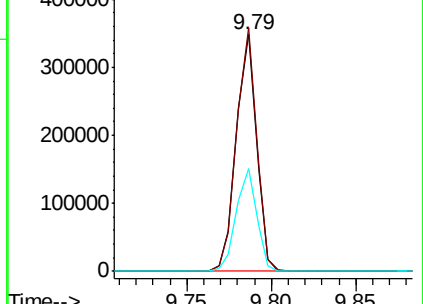
160 43.4 35.2 52.8



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: 122.172 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BF119053.D

Acq: 25 Feb 2020 7:43

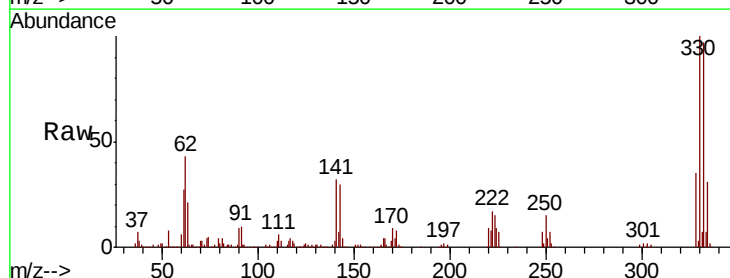
Tgt Ion:330 Resp: 464519

Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

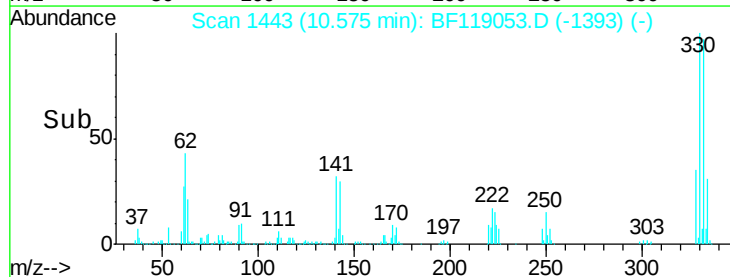
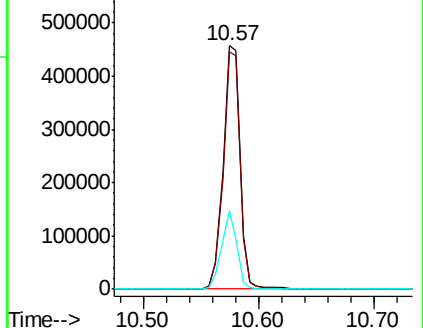
141 29.7 23.0 34.6

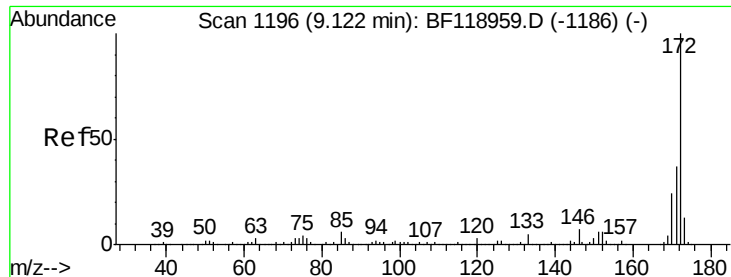


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

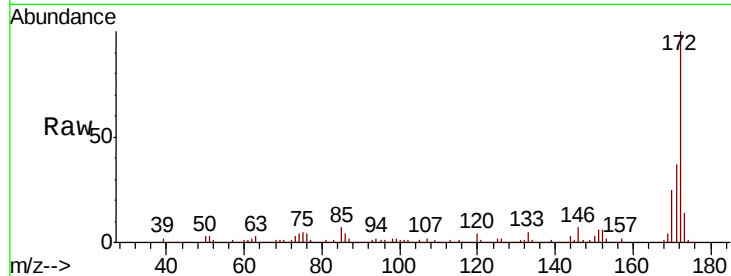




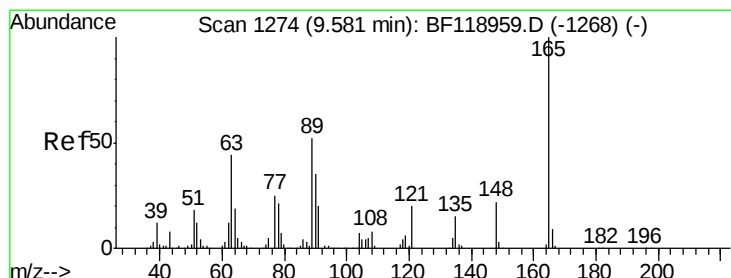
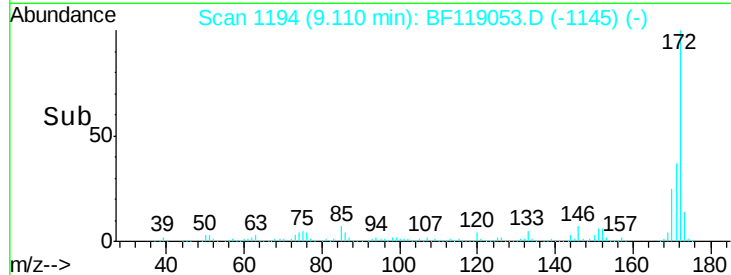
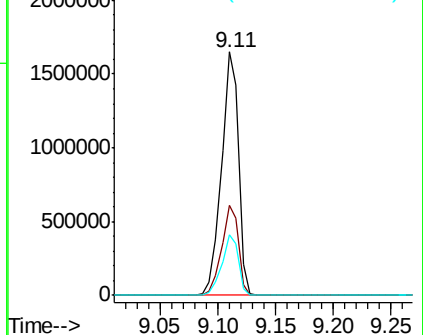
#45
2-Fluorobiphenyl
Concen: 85.428 ng
RT: 9.11 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF119053.D
Acq: 25 Feb 2020 7:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1685444
Ion Ratio Lower Upper
172 100
171 37.1 29.4 44.2
170 24.7 19.6 29.4

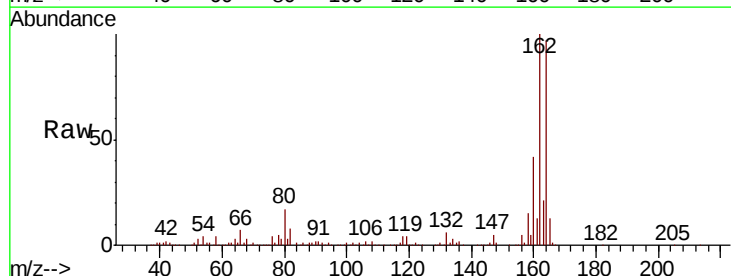


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

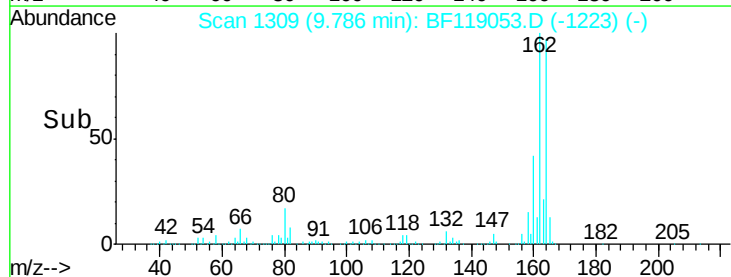
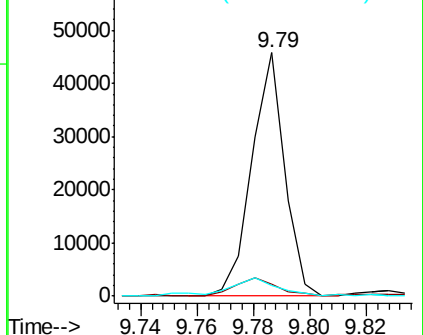


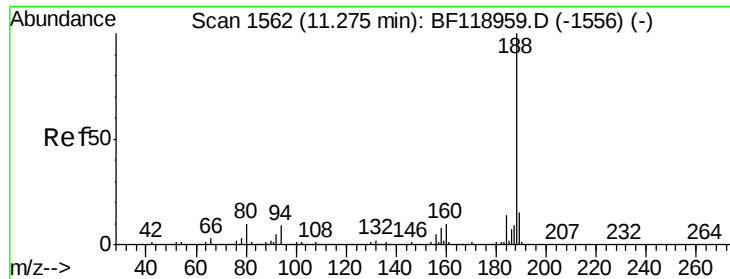
#51
2,6-Dinitrotoluene
Concen: 7.490 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.21 min
Lab File: BF119053.D
Acq: 25 Feb 2020 7:43

Tgt Ion:165 Resp: 36982
Ion Ratio Lower Upper
165 100
63 4.7 37.9 56.9#
89 4.2 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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF119053.D

Acq: 25 Feb 2020 7:43

Instrument :

BNA_F

ClientSampleId :

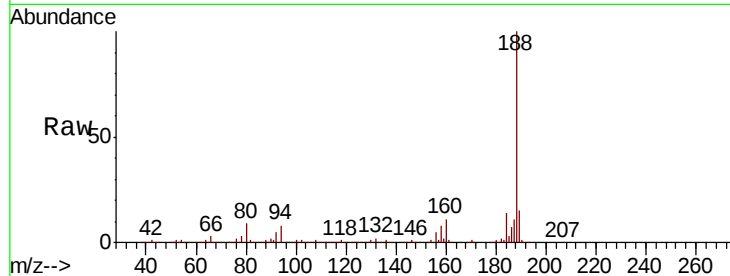
Tot Ion:188 Resp: 506384

Ion Ratio Lower Upper

188 100

94 8.1 7.0 10.6

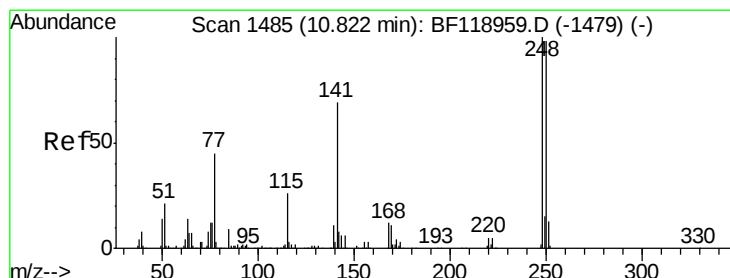
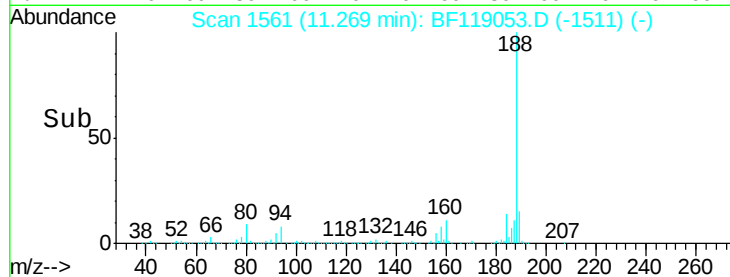
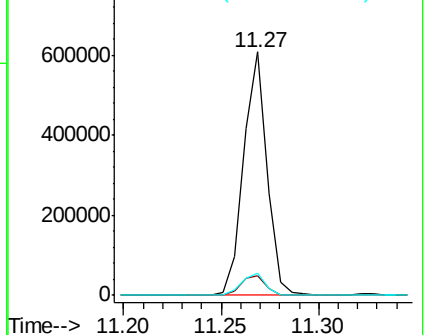
80 9.0 7.9 11.9



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: 4.579 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.25 min

Lab File: BF119053.D

Acq: 25 Feb 2020 7:43

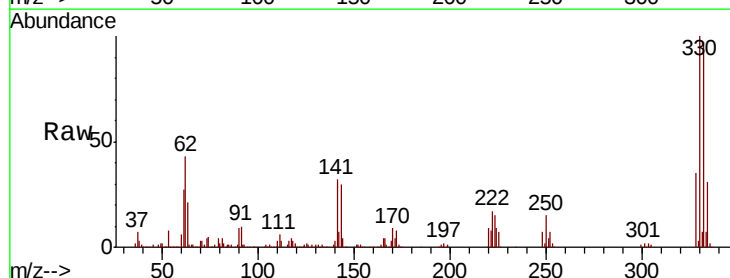
Tgt Ion:248 Resp: 30308

Ion Ratio Lower Upper

248 100

250 209.9 78.8 118.2#

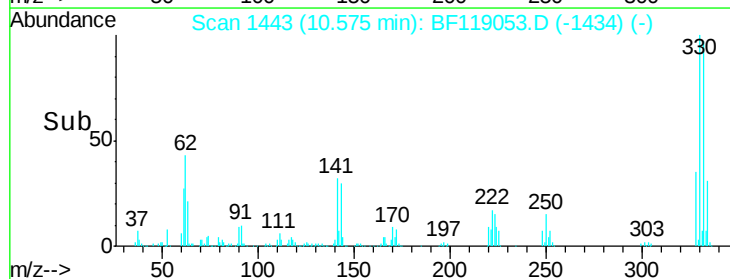
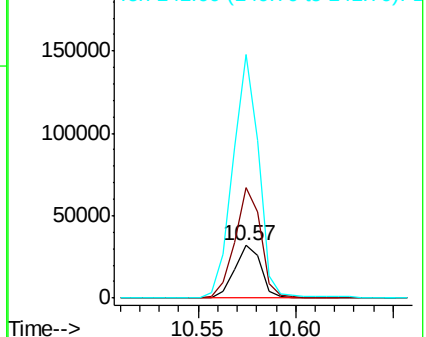
141 464.8 55.3 82.9#

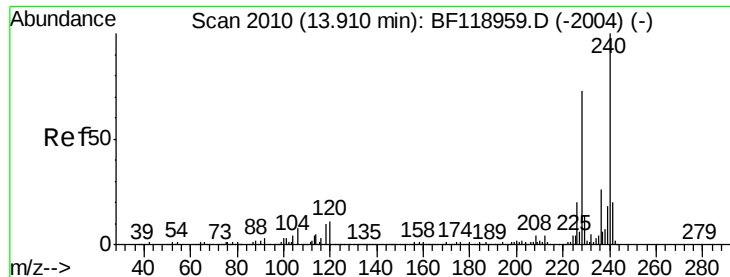


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

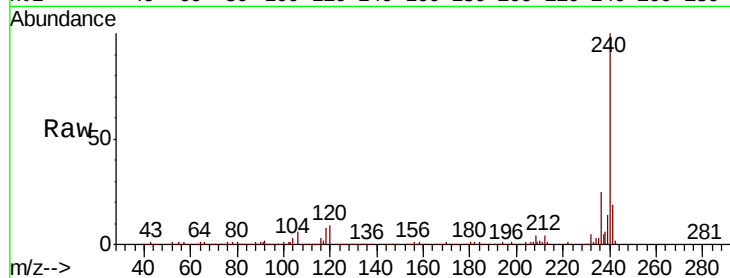




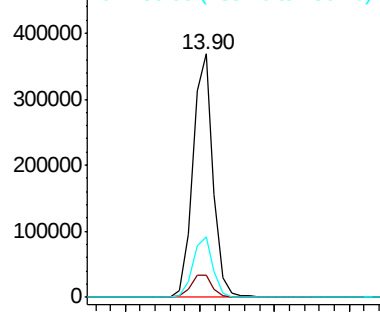
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: BF119053.D
 Acq: 25 Feb 2020 7:43

Instrument :
 BNA_F
 ClientSampleId :

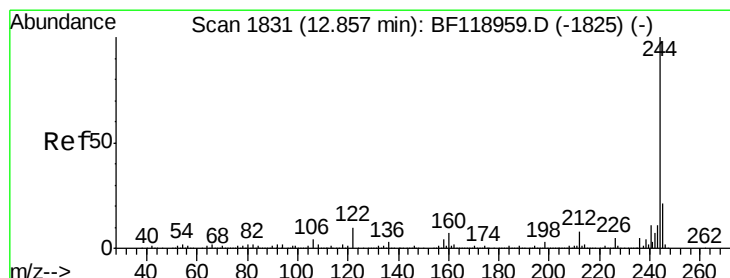
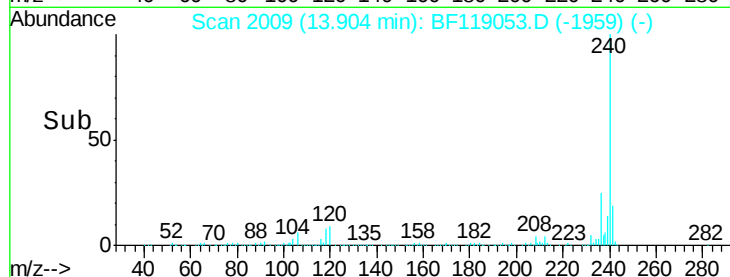
Tot Ion:240 Resp: 348209
 Ion Ratio Lower Upper
 240 100
 120 9.0 8.9 13.3
 236 25.0 20.6 30.8



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

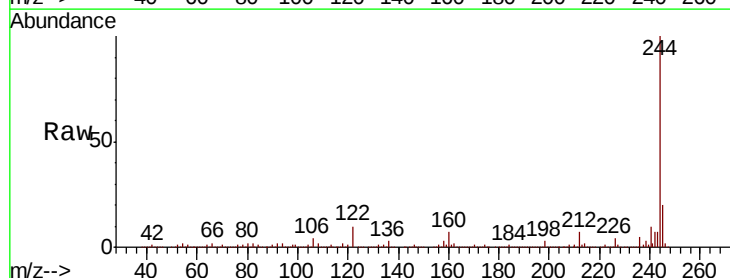


Time-->

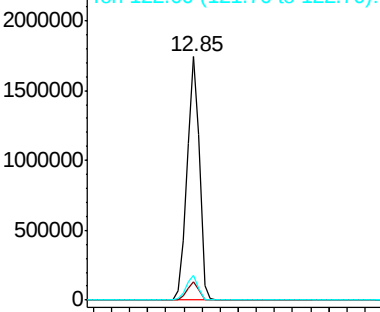


#79
 Terphenyl-d14
 Concen: 81.746 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF119053.D
 Acq: 25 Feb 2020 7:43

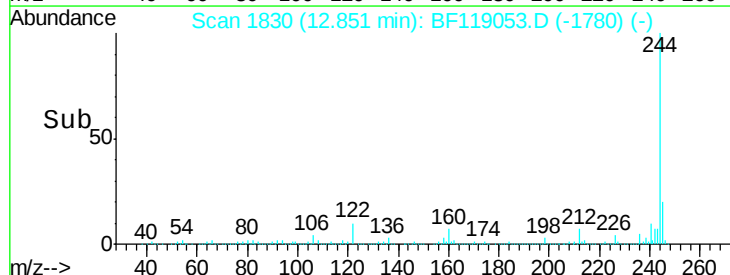
Tgt Ion:244 Resp: 1653325
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.3 9.5
 122 10.4 8.4 12.6

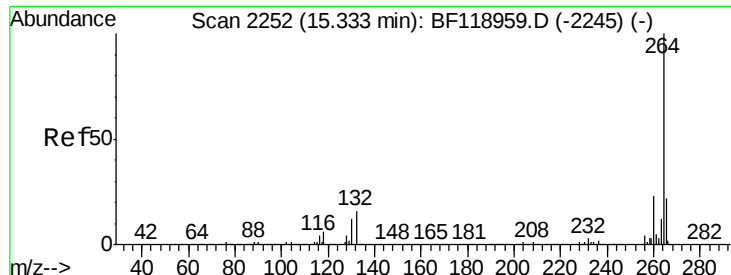


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



Time-->

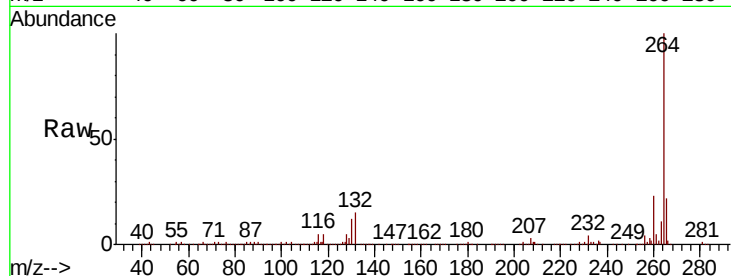




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: BF119053.D
 Acq: 25 Feb 2020 7:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	21.6	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

