

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
 Data File : BF121640.D
 Acq On : 21 Sep 2020 22:12
 Operator : JU/CG
 Sample : L4053-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1799-1801

Quant Time: Sep 22 01:15:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 21 14:19:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	140510	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	506284	20.00	ng	0.01
39) Acenaphthene-d10	9.87	164	274991	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	413671	20.00	ng	0.01
76) Chrysene-d12	13.99	240	353148	20.00	ng	0.00
86) Perylene-d12	15.46	264	343170	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	533666	56.44	ng	0.01
7) Phenol-d6	6.46	99	429904	34.66	ng	0.00
23) Nitrobenzene-d5	7.42	82	932883	98.93	ng	0.04
42) 2,4,6-Tribromophenol	10.67	330	385124	112.68	ng	0.01
45) 2-Fluorobiphenyl	9.19	172	1324735	72.96	ng	0.00
79) Terphenyl-d14	12.95	244	1391149	79.81	ng	0.00

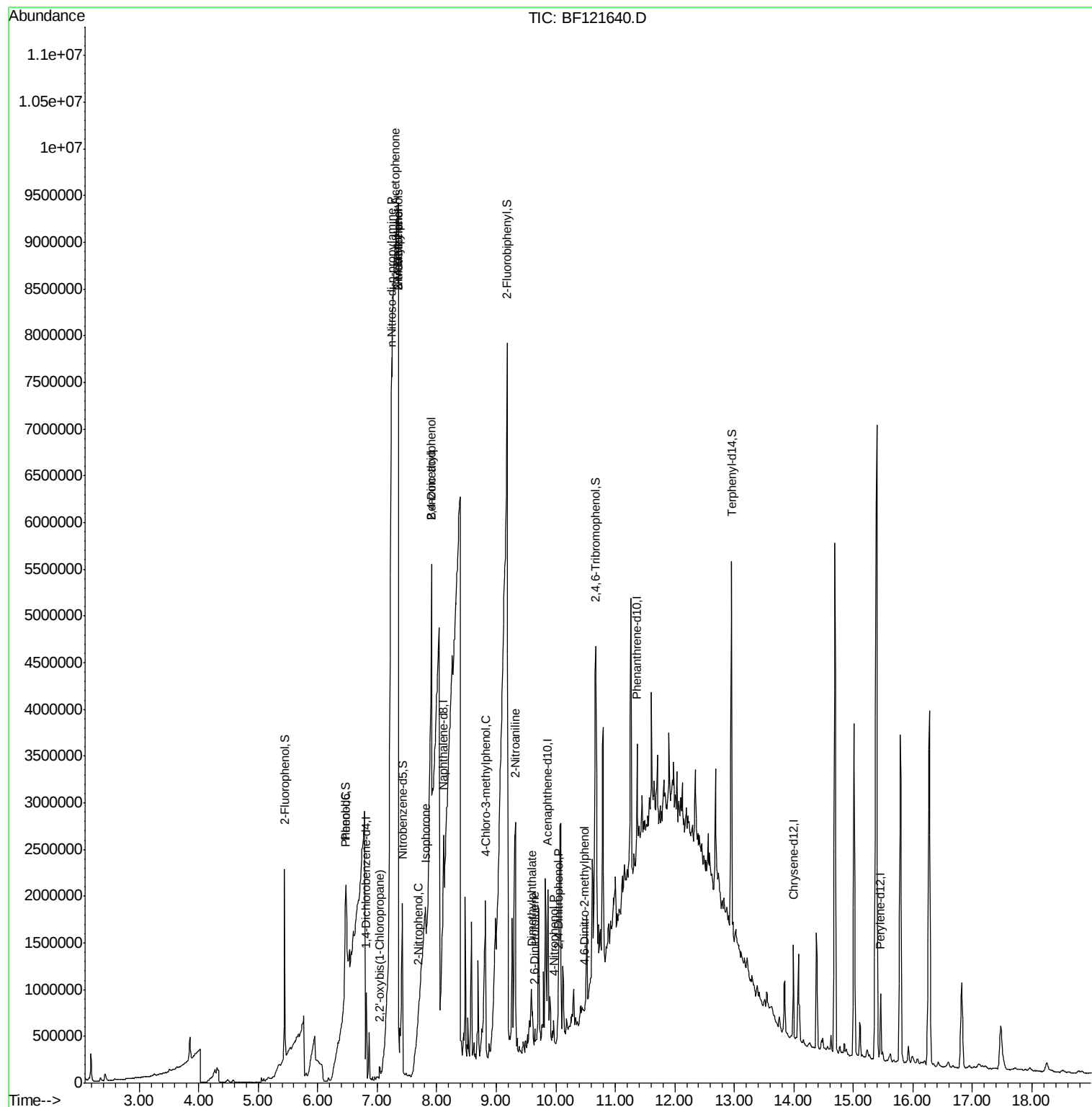
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.48	94	480721	36.394	ng	79
16) 2,2'-oxybis(1-Chloropropan	7.04	45	60071	3.750	ng	70
17) 2-Methylphenol	7.35	107	17637597	2153.373	ng	# 75
19) n-Nitroso-di-n-propylamine	7.23	70	55946	7.826	ng	# 1
20) 3+4-Methylphenols	7.35	107	17669453	1795.501	ng	# 57
22) Acetophenone	7.29	105	98224	7.647	ng	# 1
24) Nitrobenzene	7.35	77	6079292	596.098	ng	# 45
25) Isophorone	7.82	82	270653	14.259	ng	# 72
26) 2-Nitrophenol	7.69	139	334	2.625	ng	# 1
27) 2,4-Dimethylphenol	7.91	122	709531	83.740	ng	# 8
32) Benzoic acid	7.91	122	709531	102.956	ng	# 32
36) 4-Chloro-3-methylphenol	8.82	107	16814	2.023	ng	# 32
48) 2-Nitroaniline	9.32	65	187875	34.850	ng	# 28
50) Dimethylphthalate	9.60	163	170652	8.562	ng	96
51) 2,6-Dinitrotoluene	9.65	165	8636	2.035	ng	# 36
54) 2,4-Dinitrophenol	10.03	184	115	9.089	ng	# 1
56) 4-Nitrophenol	9.96	139	20725	5.285	ng	# 38
65) 4,6-Dinitro-2-methylphenol	10.48	198	314	6.958	ng	# 1

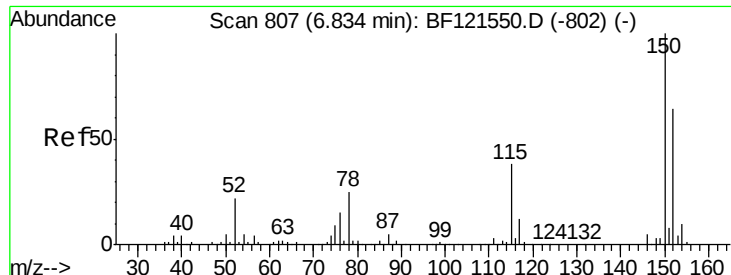
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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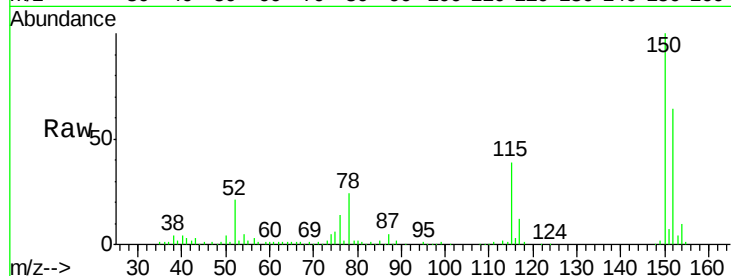


#1

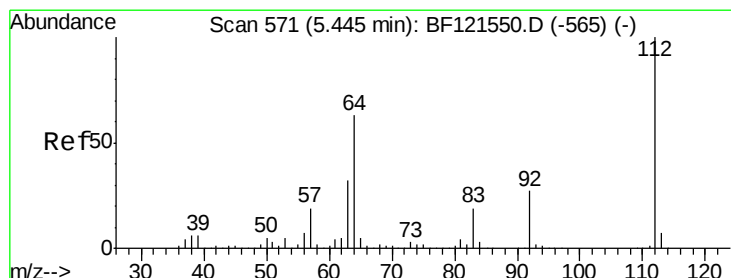
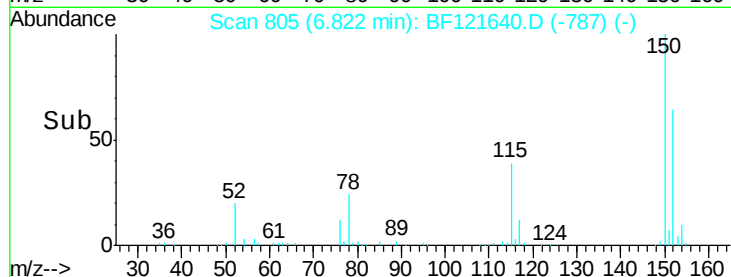
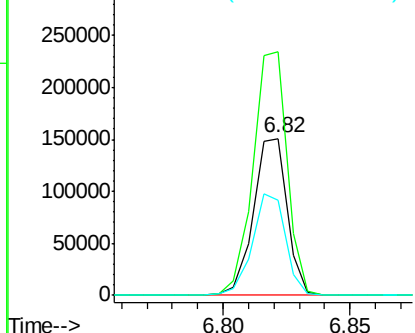
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.01 min
Lab File: BF121640.D
Acq: 21 Sep 2020 22:12

Instrument :
BNA_F
ClientSampleId :
1799-1801

Tot Ion:152 Resp: 140510
Ion Ratio Lower Upper
152 100
150 155.5 128.1 192.1
115 60.6 52.6 79.0



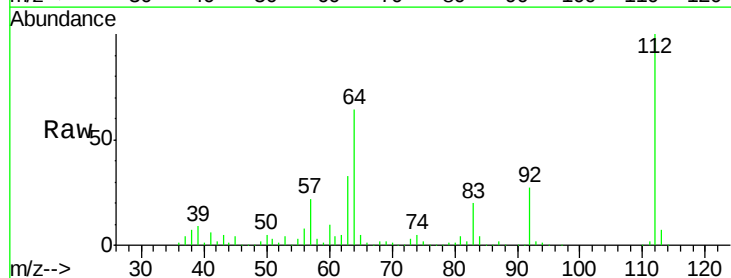
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



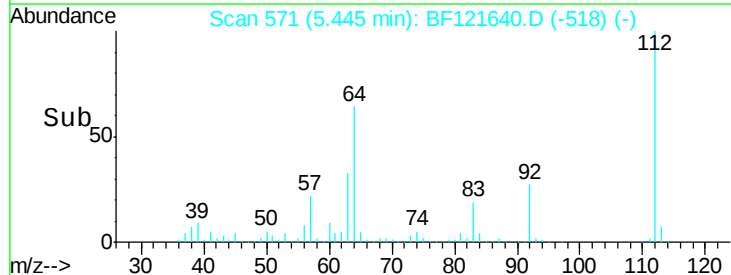
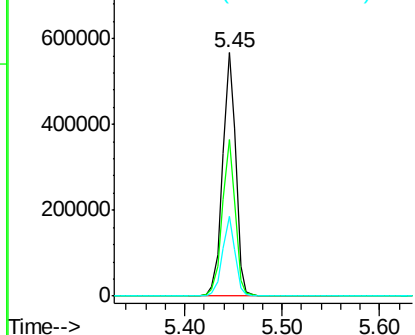
#5

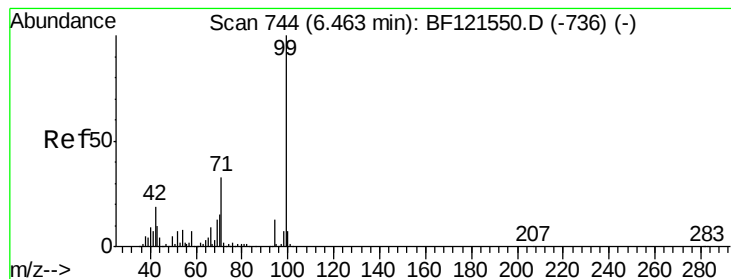
2-Fluorophenol
Concen: 56.444 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF121640.D
Acq: 21 Sep 2020 22:12

Tgt Ion:112 Resp: 533666
Ion Ratio Lower Upper
112 100
64 64.1 52.2 78.2
63 32.8 26.6 39.8



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: 34.658 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

Instrument :

BNA_F

ClientSampleId :

1799-1801

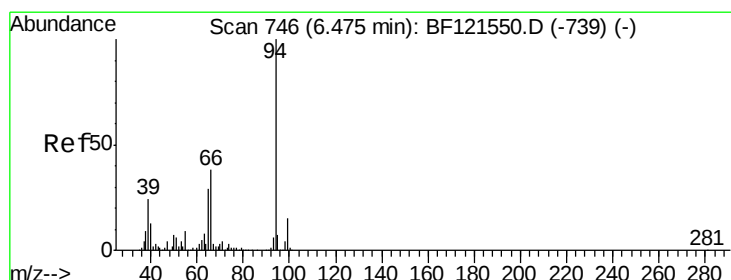
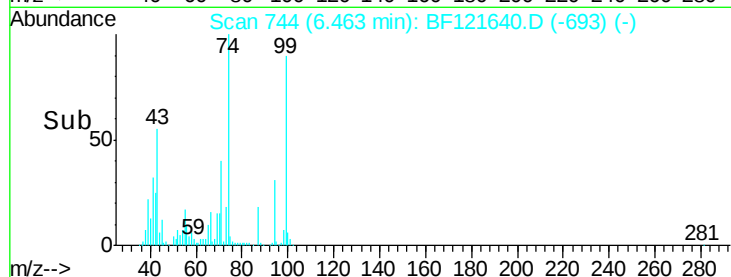
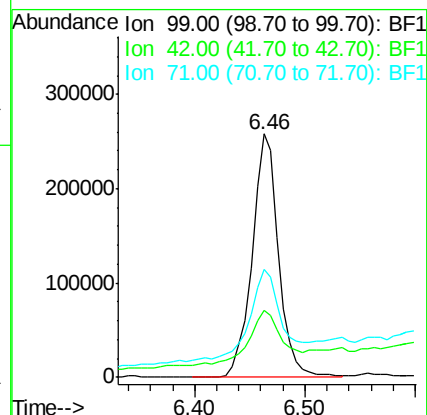
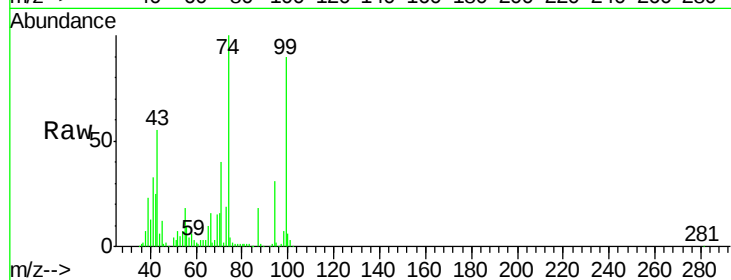
Tot Ion: 99 Resp: 429904

Ion Ratio Lower Upper

99 100

42 27.7 15.5 23.3#

71 44.4 27.4 41.2#



#10

Phenol

Concen: 36.394 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

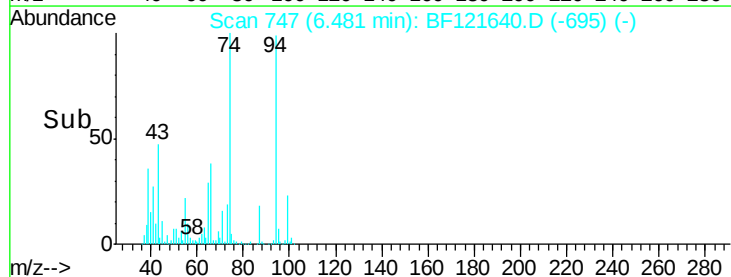
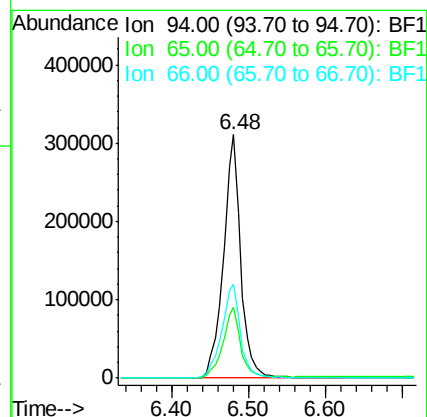
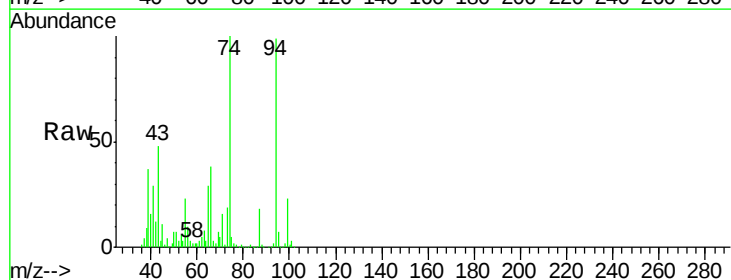
Tgt Ion: 94 Resp: 480721

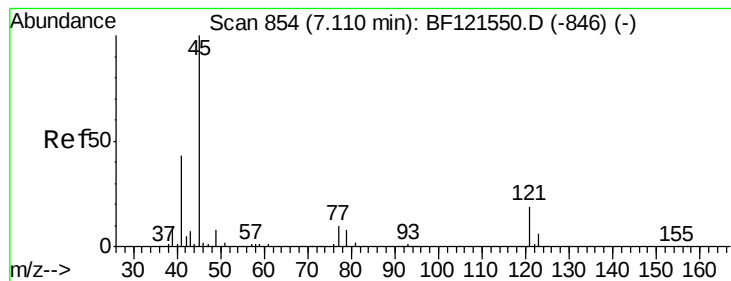
Ion Ratio Lower Upper

94 100

65 29.3 17.8 57.8

66 38.6 37.8 77.8





#16

2,2'-oxvbis(1-Chloropropane)

Concen: 3.750 ng

RT: 7.04 min Scan# 842

Delta R.T. -0.06 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

Instrument :

BNA_F

ClientSampleId :

1799-1801

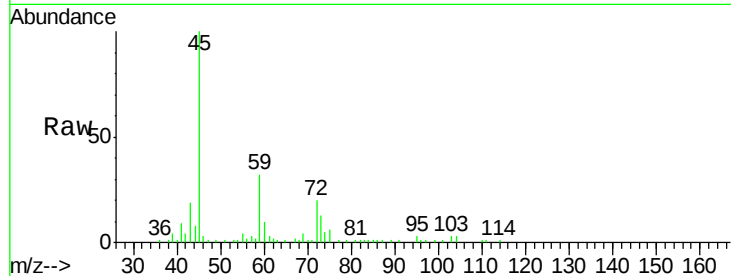
Tot Ion: 45 Resp: 60071

Ion Ratio Lower Upper

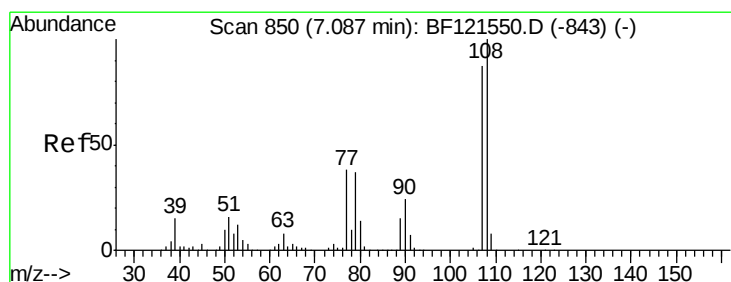
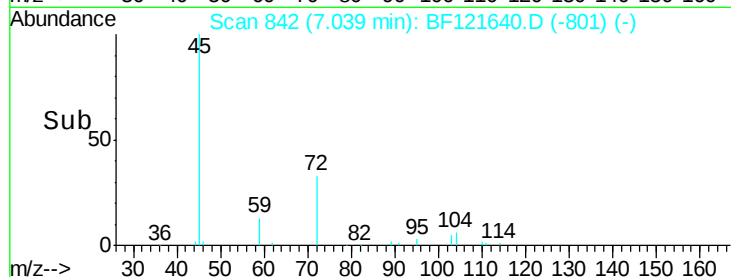
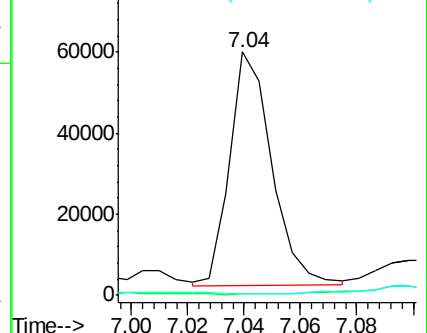
45 100

77 0.6 0.0 33.8

79 0.9 0.0 31.2



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1



#17

2-Methylphenol

Concen: 2153.373 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.27 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

Tgt Ion: 107 Resp: 17637597

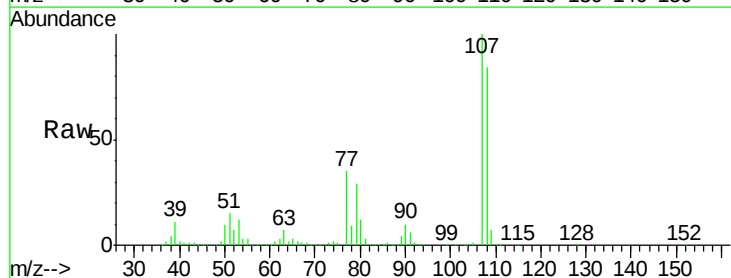
Ion Ratio Lower Upper

107 100

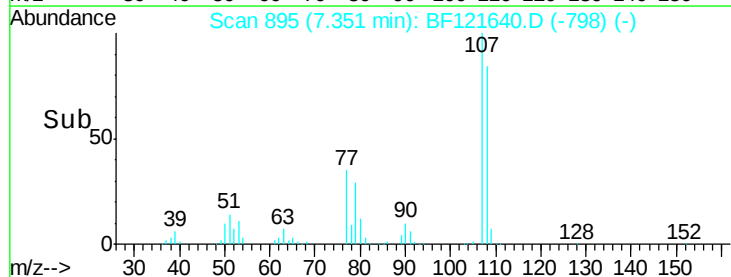
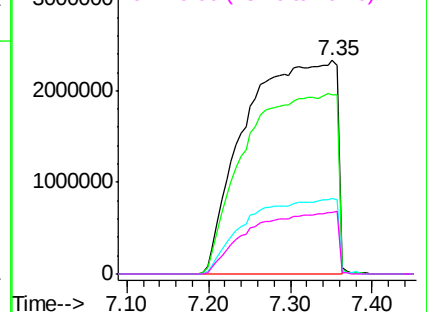
108 84.2 90.6 135.8#

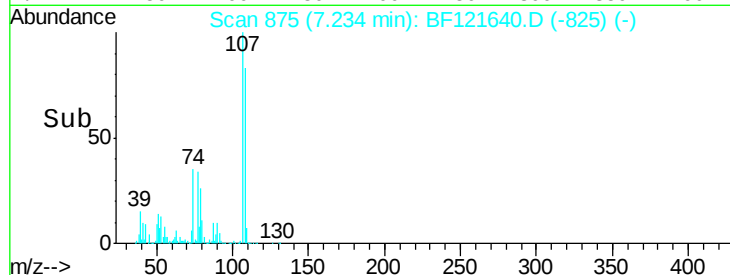
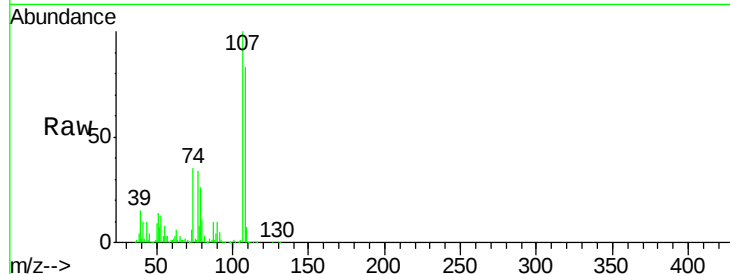
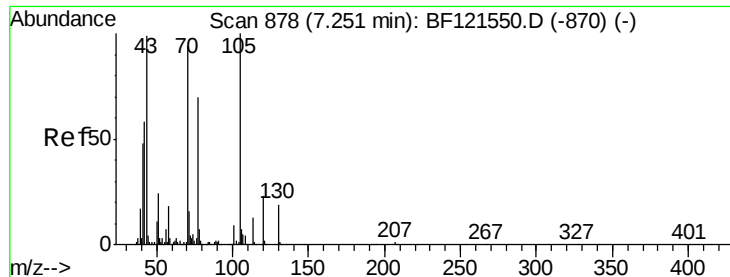
77 35.2 38.7 58.1#

79 28.8 37.9 56.9#



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): BF1
Ion 79.00 (78.70 to 79.70): BF1

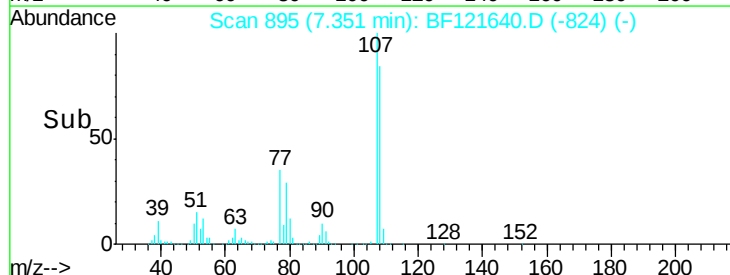
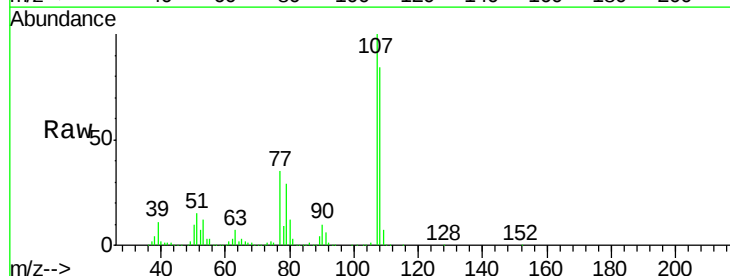
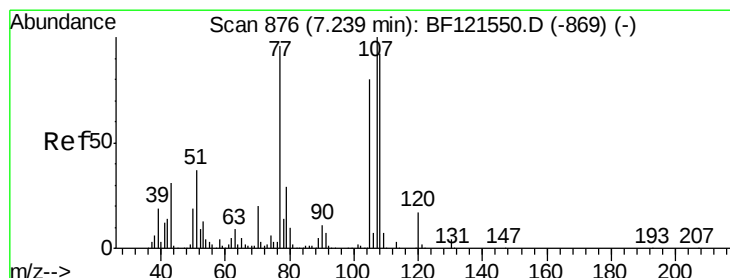
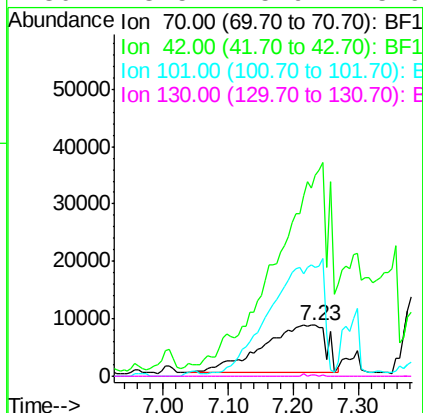




#19
n-Nitroso-di-n-propylamine
Concen: 7.826 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF121640.D
Acq: 21 Sep 2020 22:12

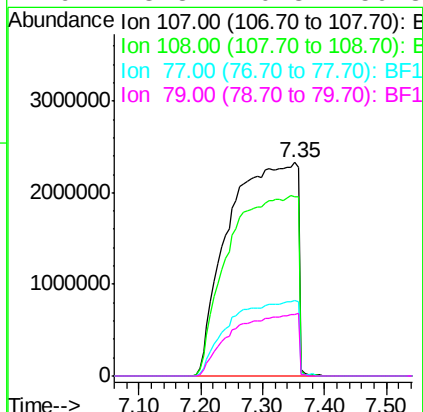
Instrument :
BNA_F
ClientSampleId :
1799-1801

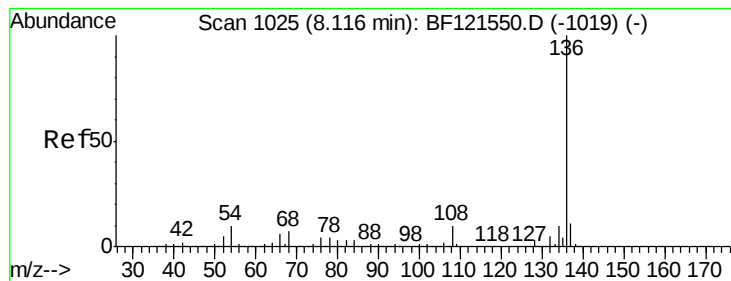
Tot Ion:	70	Resp:	55946
Ion	Ratio	Lower	Upper
70	100		
42	395.3	48.3	72.5#
101	213.9	7.6	11.4#
130	3.5	15.9	23.9#



#20
3+4-Methylphenols
Concen: 1795.501 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.12 min
Lab File: BF121640.D
Acq: 21 Sep 2020 22:12

Tgt Ion:	107	Resp:	17669453
Ion	Ratio	Lower	Upper
107	100		
108	84.2	67.0	107.0
77	35.2	107.7	147.7#
79	28.8	10.3	50.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.01 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

Instrument :

BNA_F

ClientSampleId :

1799-1801

Tot Ion:136 Resp: 506284

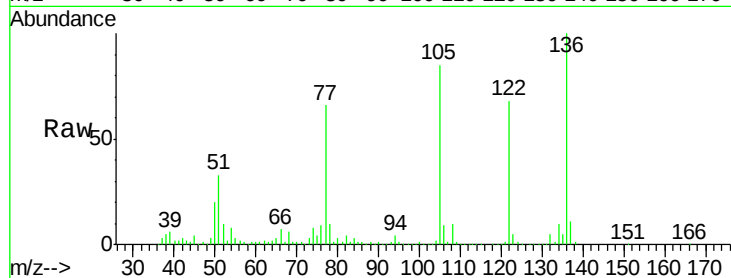
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 8.5 7.4 11.0

68 6.2 5.3 7.9

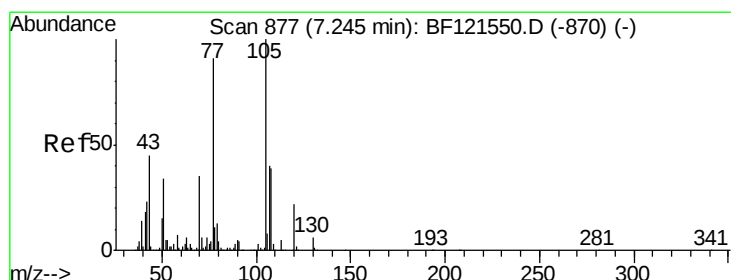
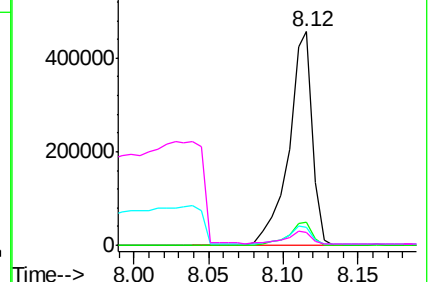
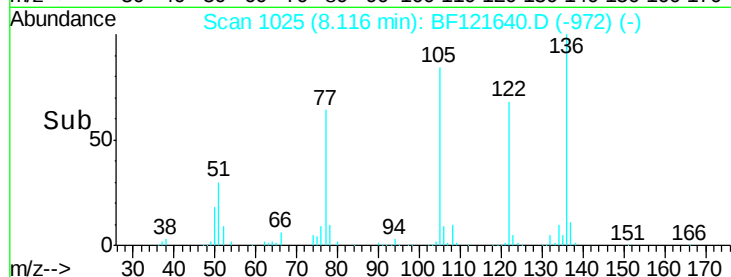


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 7.647 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.06 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

Tgt Ion:105 Resp: 98224

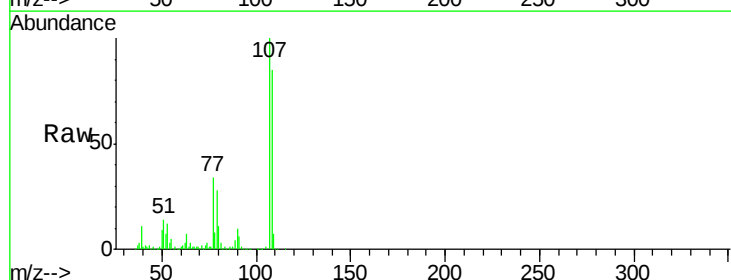
Ion Ratio Lower Upper

105 100

71 156.9 5.5 8.3#

51 1329.6 31.7 47.5#

120 0.0 17.4 26.2#

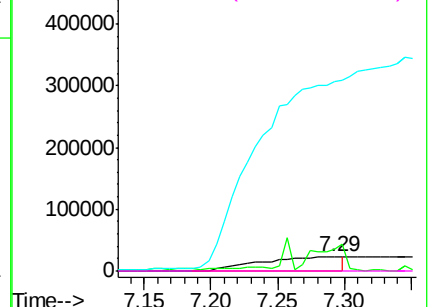
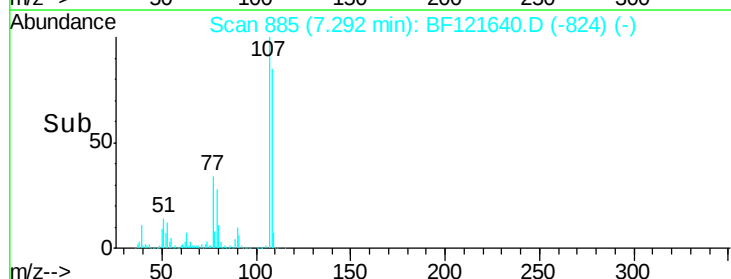


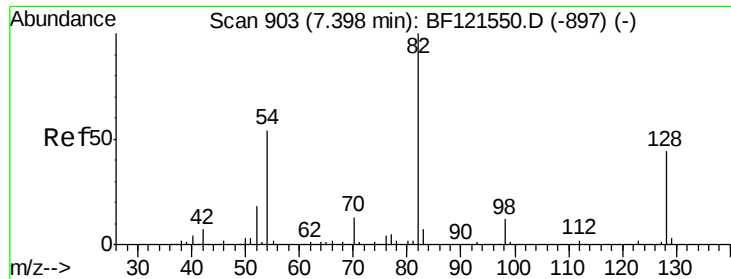
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

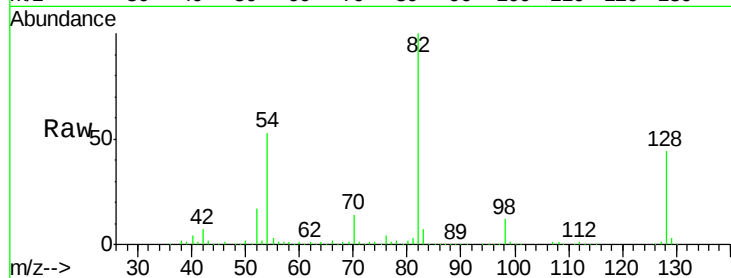




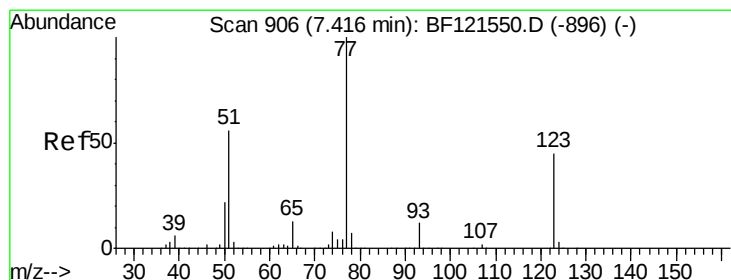
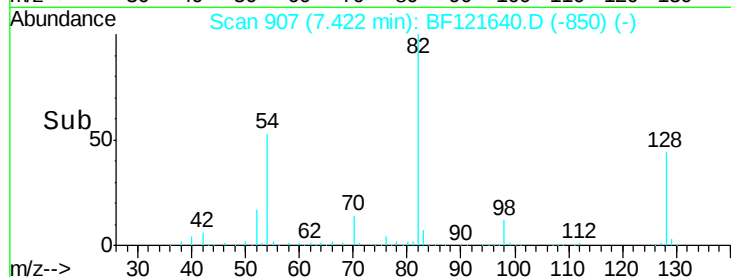
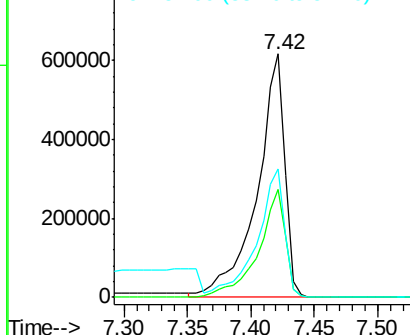
#23
 Nitrobenzene-d5
 Concen: 98.933 ng
 RT: 7.42 min Scan# 907
 Delta R.T. 0.04 min
 Lab File: BF121640.D
 Acq: 21 Sep 2020 22:12

Instrument :
 BNA_F
 ClientSampleId :
 1799-1801

Tot Ion: 82 Resp: 932883
 Ion Ratio Lower Upper
 82 100
 128 44.4 33.9 50.9
 54 52.6 42.9 64.3

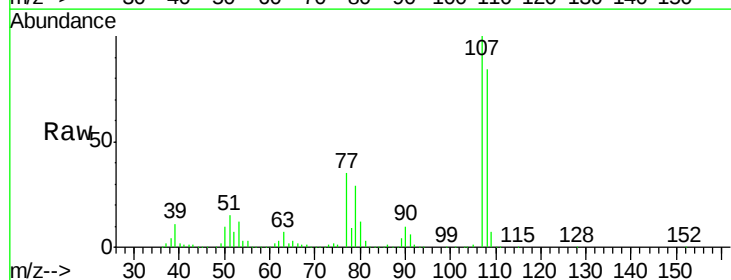


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

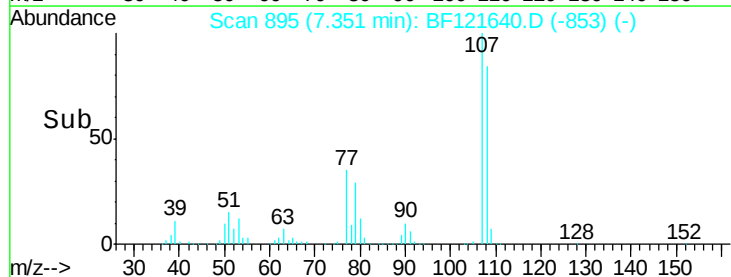
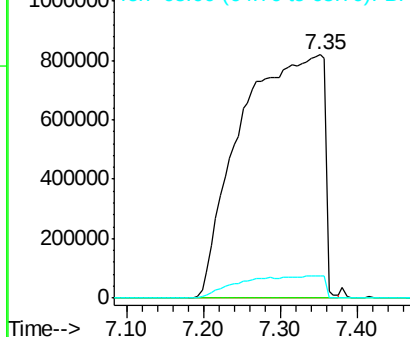


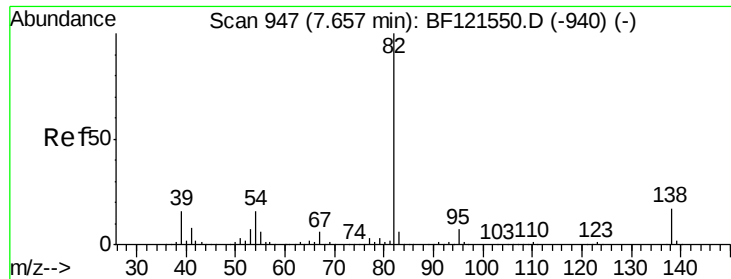
#24
 Nitrobenzene
 Concen: 596.098 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.05 min
 Lab File: BF121640.D
 Acq: 21 Sep 2020 22:12

Tgt Ion: 77 Resp: 6079292
 Ion Ratio Lower Upper
 77 100
 123 0.0 35.8 53.8#
 65 9.1 11.2 16.8#



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 14.259 ng

RT: 7.82 min Scan# 974

Delta R.T. 0.17 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

Instrument :

BNA_F

ClientSampleId :

1799-1801

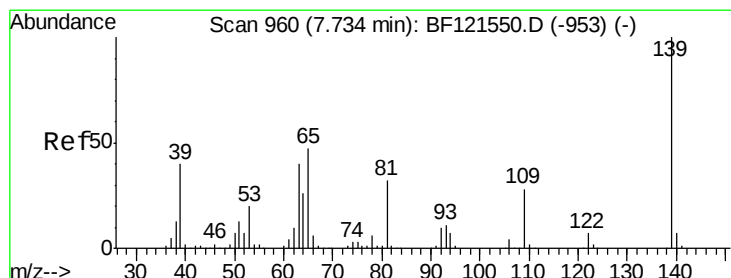
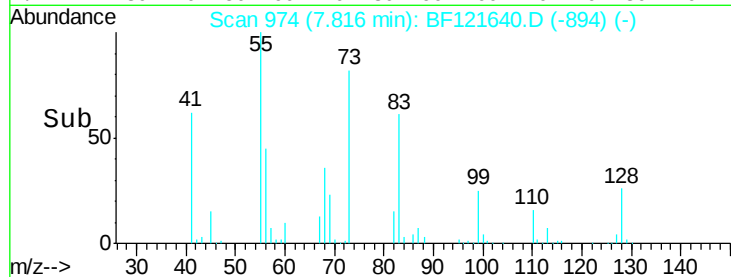
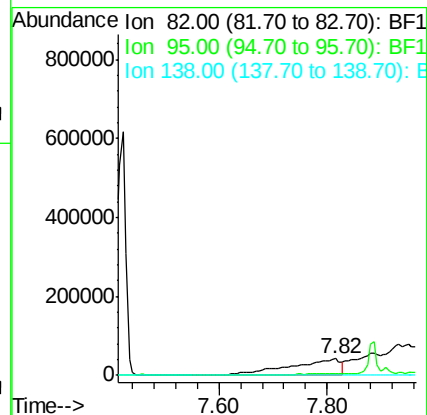
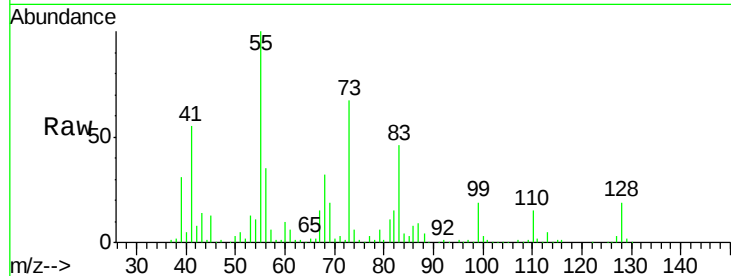
Tot Ion: 82 Resp: 270653

Ion Ratio Lower Upper

82 100

95 8.7 5.8 8.6#

138 0.0 13.2 19.8#



#26

2-Nitrophenol

Concen: 2.625 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.04 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

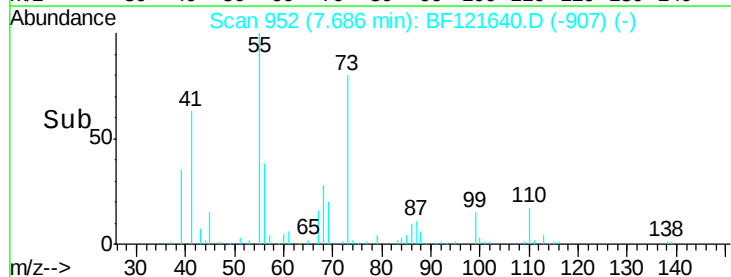
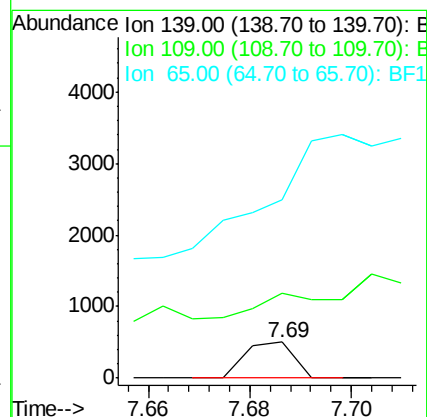
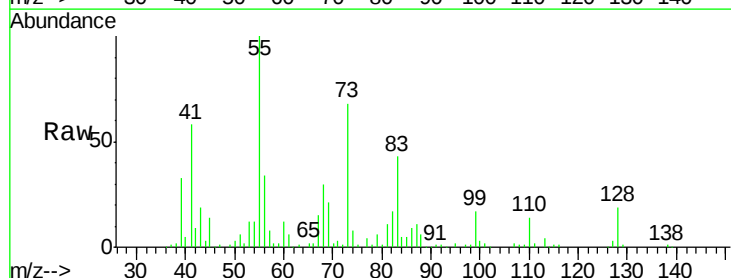
Tgt Ion: 139 Resp: 334

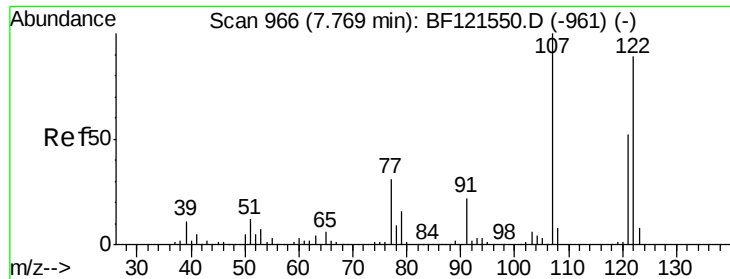
Ion Ratio Lower Upper

139 100

109 239.3 23.4 35.2#

65 501.0 41.0 61.4#





#27

2,4-Dimethylphenol

Concen: 83.740 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.15 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

Instrument :

BNA_F

ClientSampled :

1799-1801

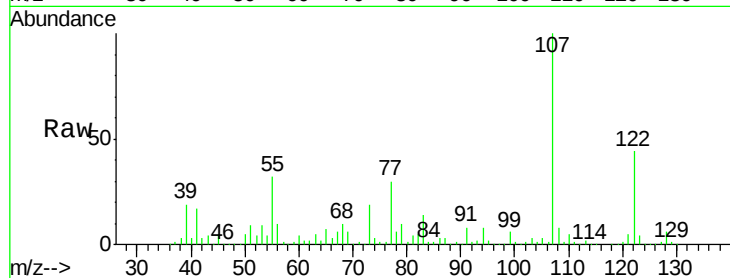
Tot Ion:122 Resp: 709531

Ion Ratio Lower Upper

122 100

107 228.9 91.4 137.0#

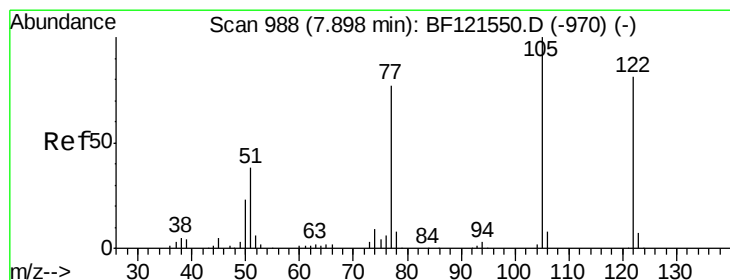
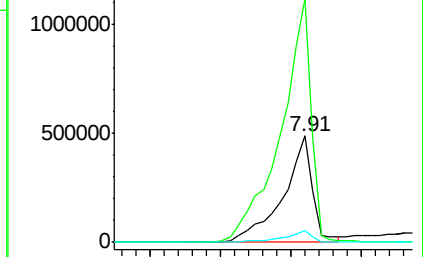
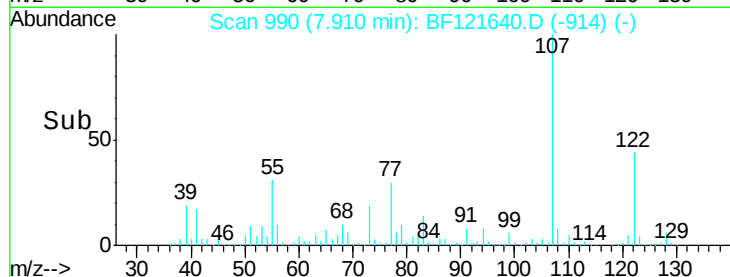
121 10.8 46.2 69.2#



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: 102.956 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.01 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

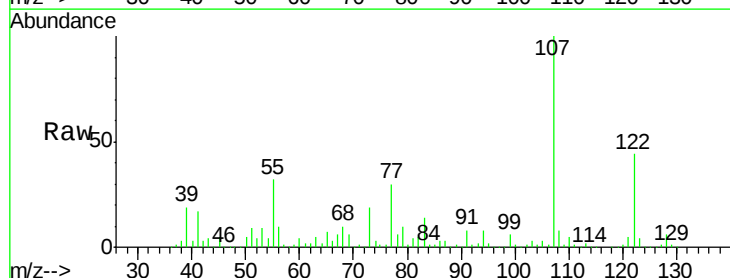
Tgt Ion:122 Resp: 709531

Ion Ratio Lower Upper

122 100

105 6.6 101.9 141.9#

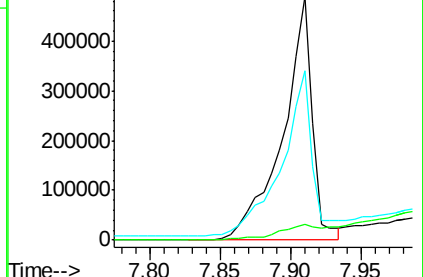
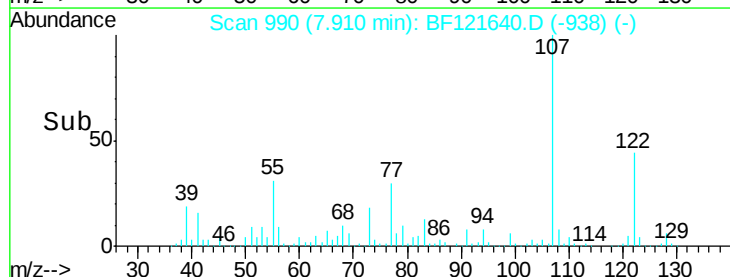
77 69.5 69.0 109.0

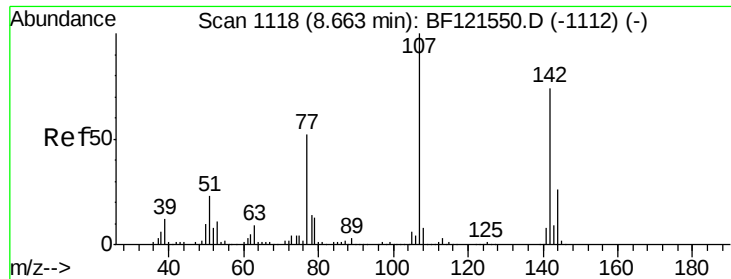


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

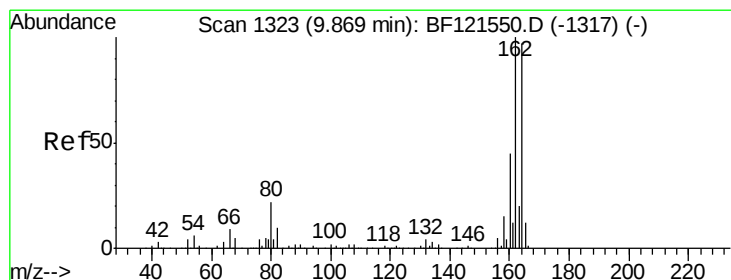
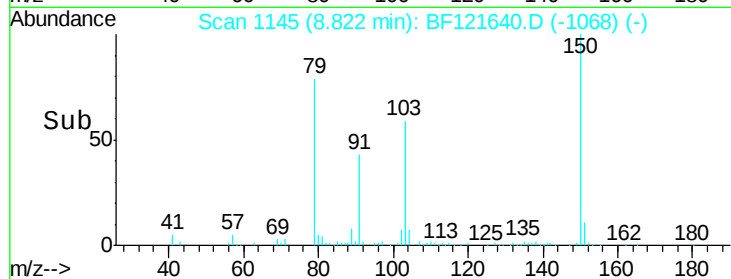
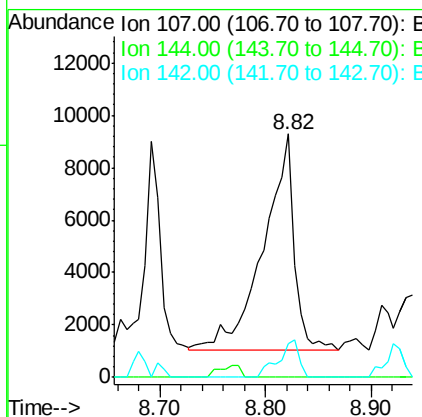
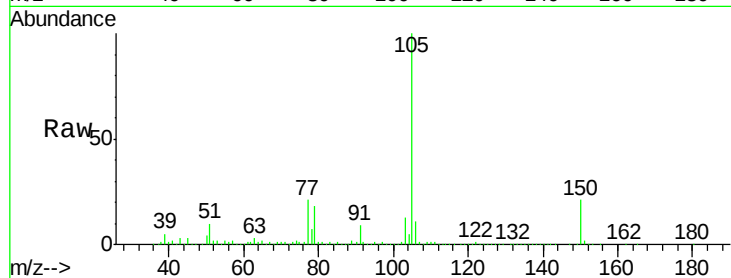




#36
 4-Chloro-3-methylphenol
 Concen: 2.023 ng
 RT: 8.82 min Scan# 1145
 Delta R.T. 0.15 min
 Lab File: BF121640.D
 Acq: 21 Sep 2020 22:12

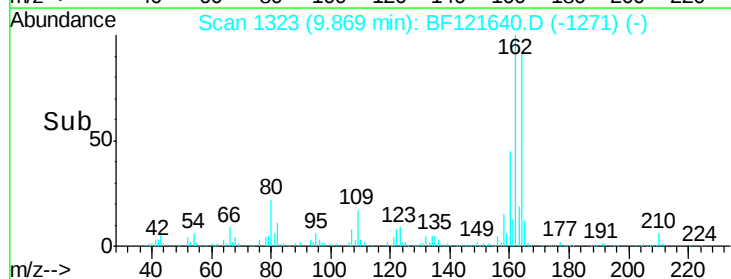
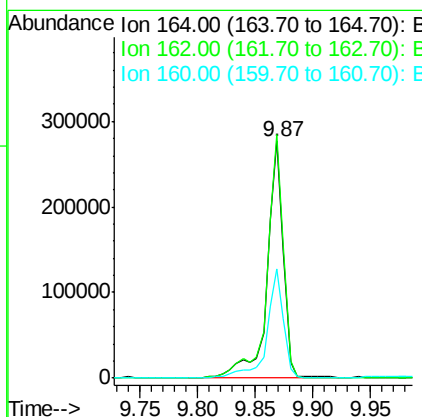
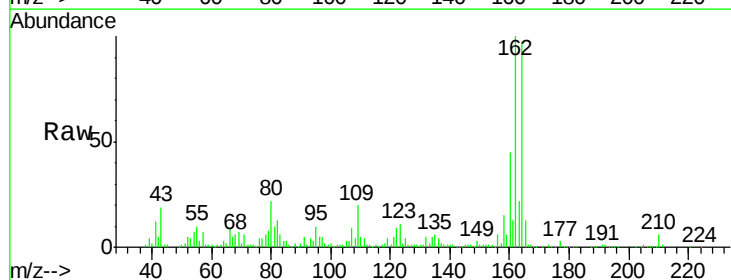
Instrument :
 BNA_F
 ClientSampleId :
 1799-1801

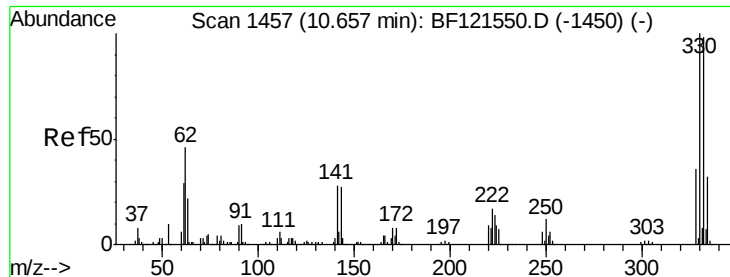
Tot Ion:107 Resp: 16814
 Ion Ratio Lower Upper
 107 100
 144 0.0 20.6 31.0#
 142 13.9 61.7 92.5#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: BF121640.D
 Acq: 21 Sep 2020 22:12

Tgt Ion:164 Resp: 274991
 Ion Ratio Lower Upper
 164 100
 162 102.9 81.2 121.8
 160 46.2 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 112.683 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.01 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

Instrument :

BNA_F

ClientSampled :

1799-1801

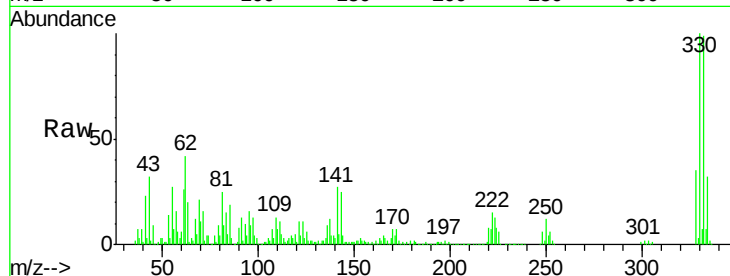
Tot Ion:330 Resp: 385124

Ion Ratio Lower Upper

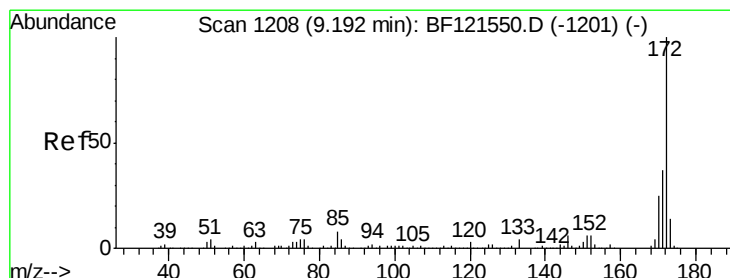
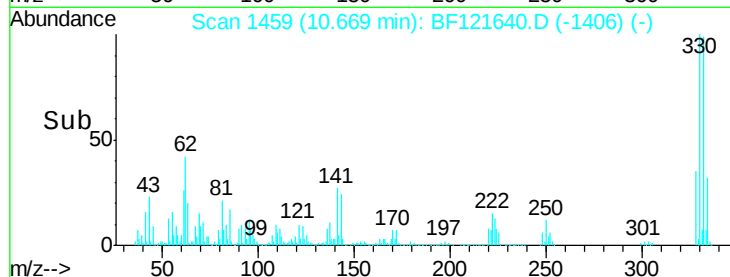
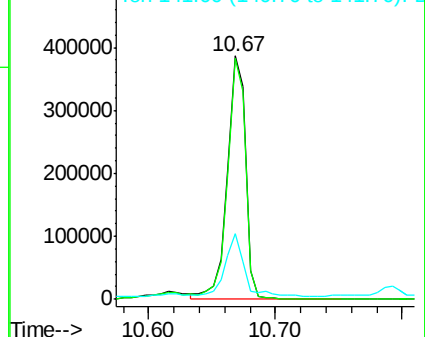
330 100

332 97.6 76.9 115.3

141 27.7 22.4 33.6



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: 72.961 ng

RT: 9.19 min Scan# 1208

Delta R.T. 0.01 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

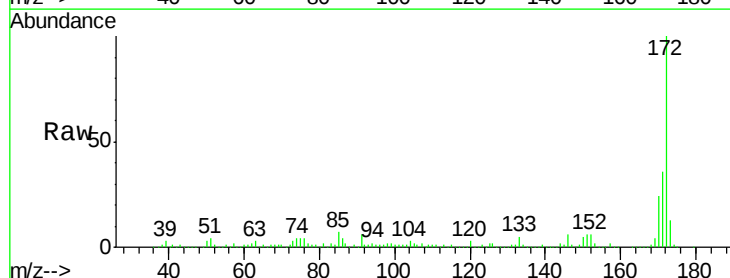
Tgt Ion:172 Resp: 1324735

Ion Ratio Lower Upper

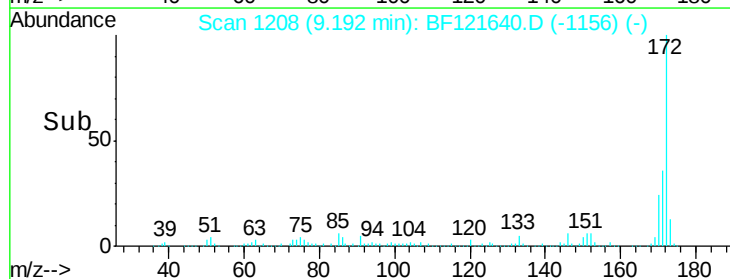
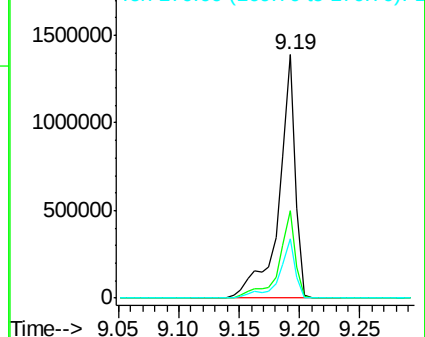
172 100

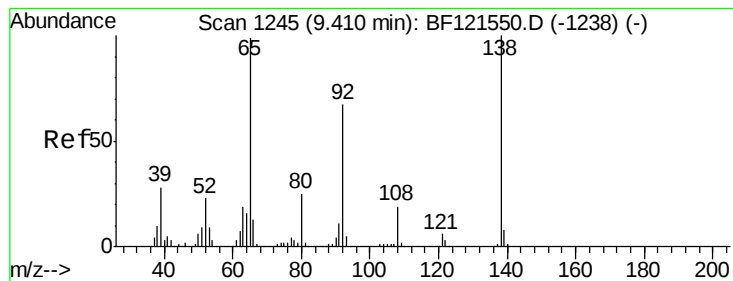
171 35.9 29.3 43.9

170 24.1 19.5 29.3



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: 34.850 ng

RT: 9.32 min Scan# 1230

Delta R.T. -0.09 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

Instrument :

BNA_F

ClientSampled :

1799-1801

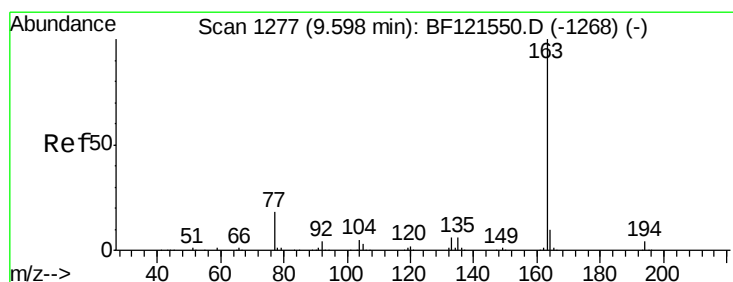
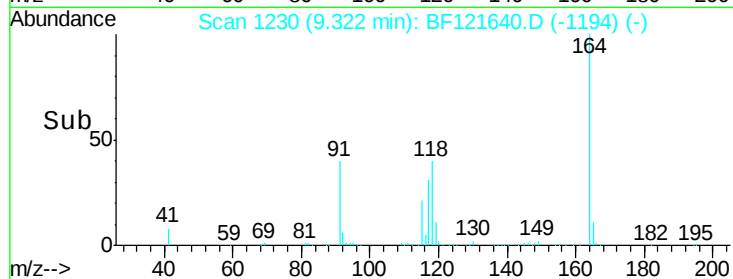
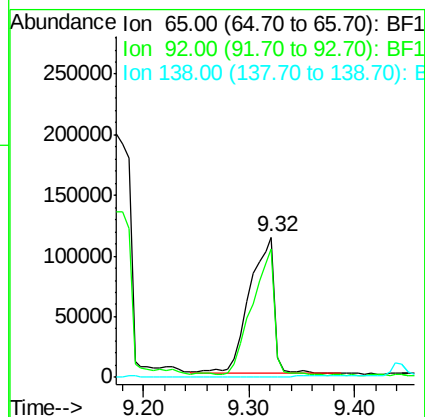
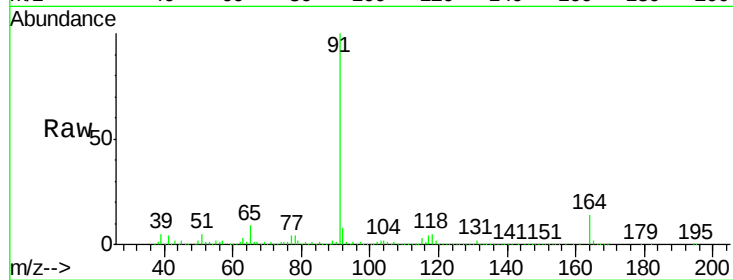
Tot Ion: 65 Resp: 187875

Ion Ratio Lower Upper

65 100

92 91.9 56.0 84.0#

138 0.6 84.7 127.1#



#50

Dimethylphthalate

Concen: 8.562 ng

RT: 9.60 min Scan# 1277

Delta R.T. 0.01 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

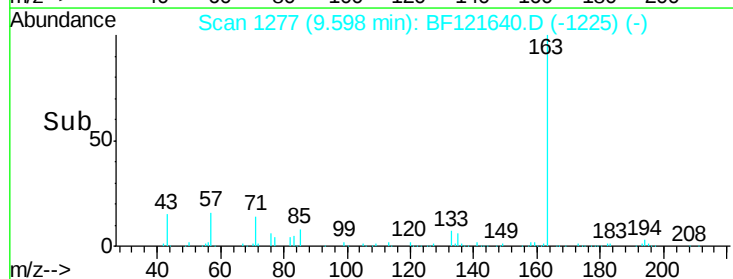
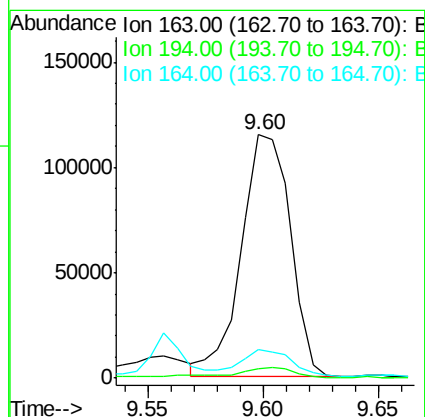
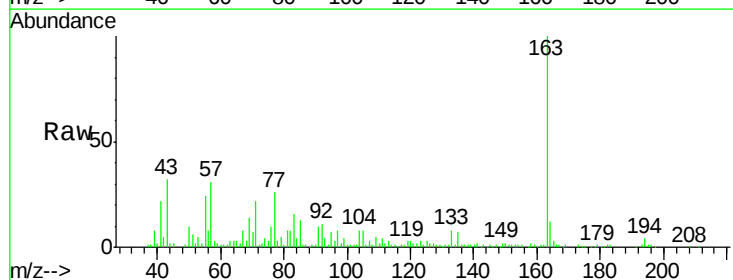
Tgt Ion:163 Resp: 170652

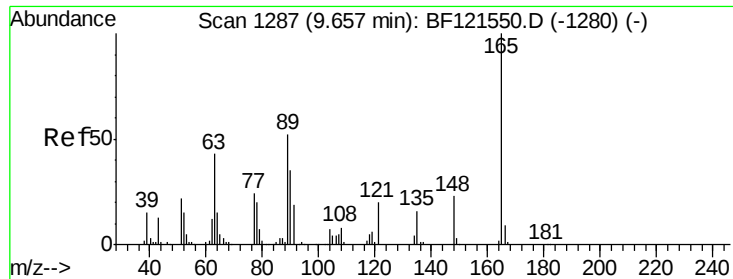
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

164 11.8 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 2.035 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

Instrument :

BNA_F

ClientSampleId :

1799-1801

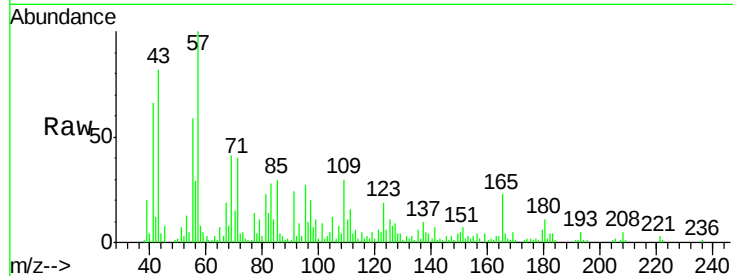
Tot Ion:165 Resp: 8636

Ion Ratio Lower Upper

165 100

63 12.0 47.6 71.4#

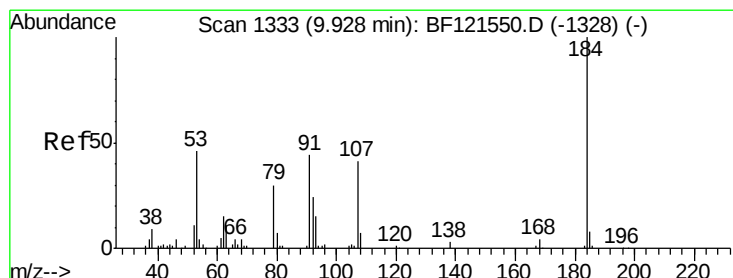
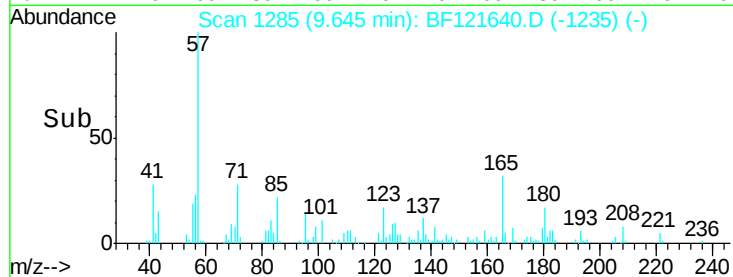
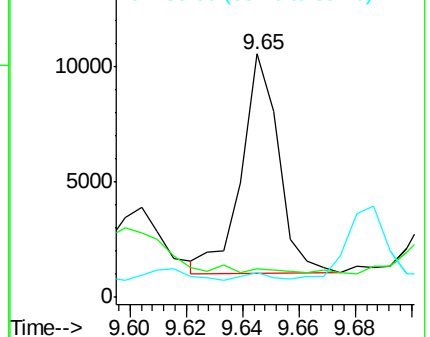
89 9.9 46.0 69.0#



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: 9.089 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.11 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

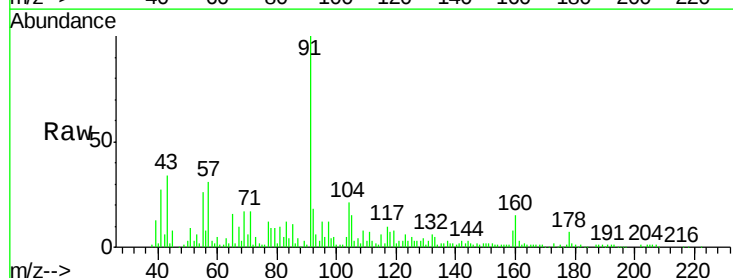
Tgt Ion:184 Resp: 115

Ion Ratio Lower Upper

184 100

63 1139.4 51.5 77.3#

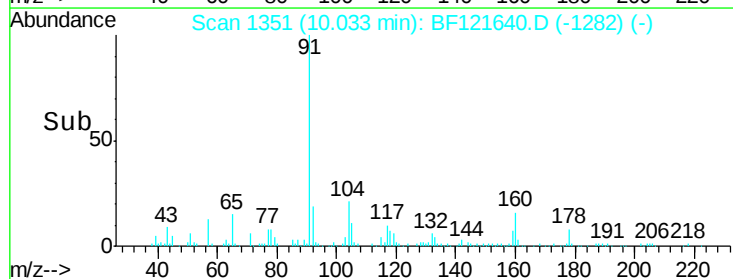
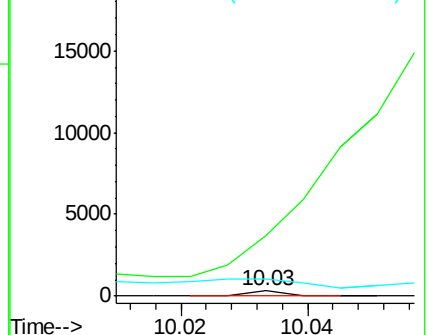
154 327.1 46.6 70.0#

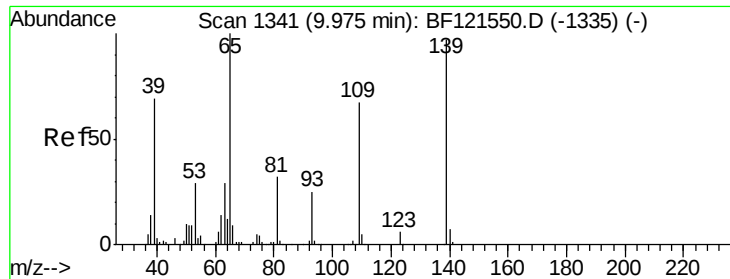


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

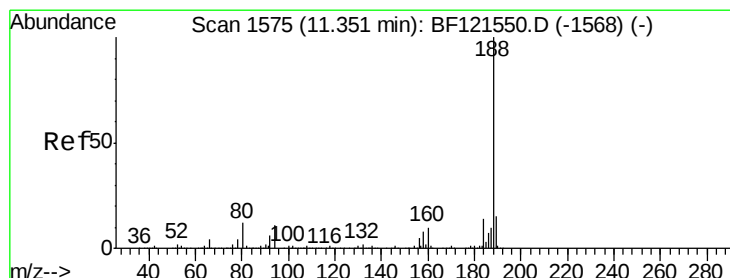
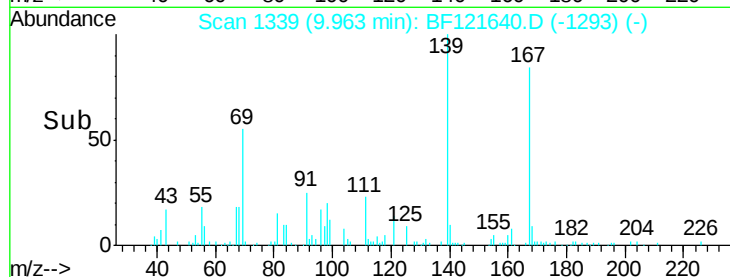
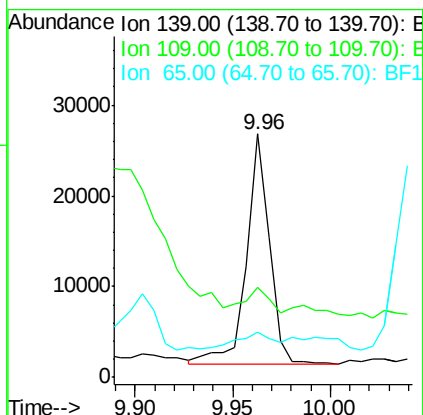
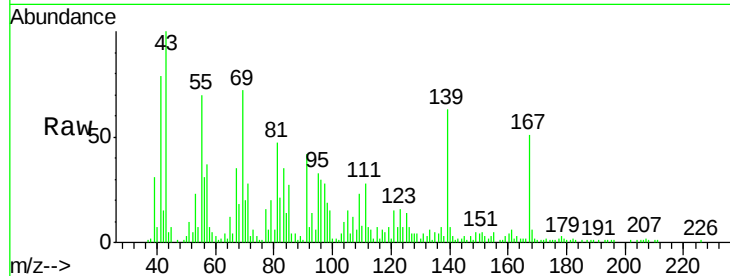




#56
4-Nitrophenol
Concen: 5.285 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BF121640.D
Acq: 21 Sep 2020 22:12

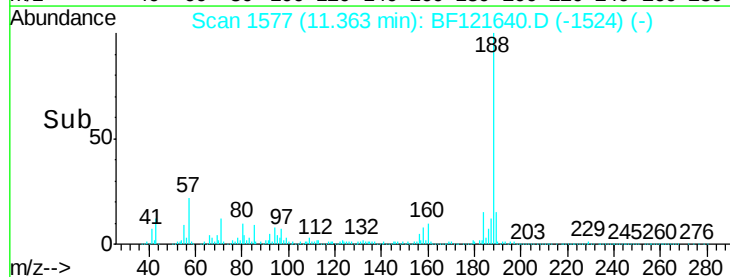
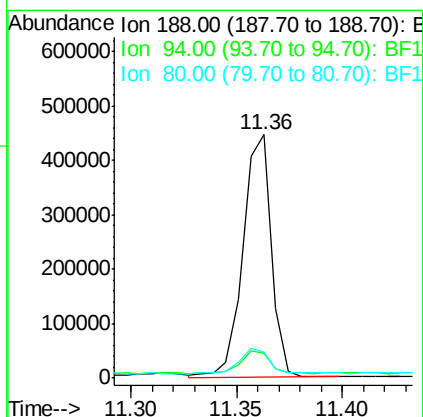
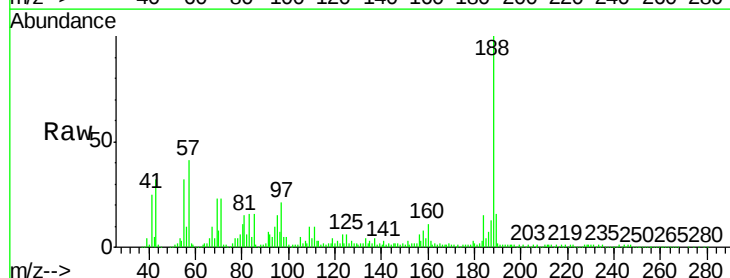
Instrument :
BNA_F
ClientSampleId :
1799-1801

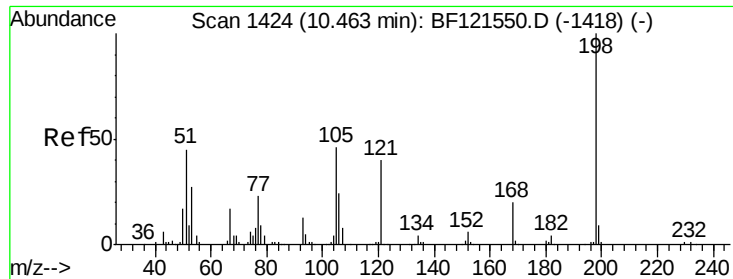
Tot Ion:139 Resp: 20725
Ion Ratio Lower Upper
139 100
109 36.8 48.1 88.1#
65 18.5 74.7 114.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BF121640.D
Acq: 21 Sep 2020 22:12

Tgt Ion:188 Resp: 413671
Ion Ratio Lower Upper
188 100
94 10.0 8.4 12.6
80 10.9 9.0 13.4

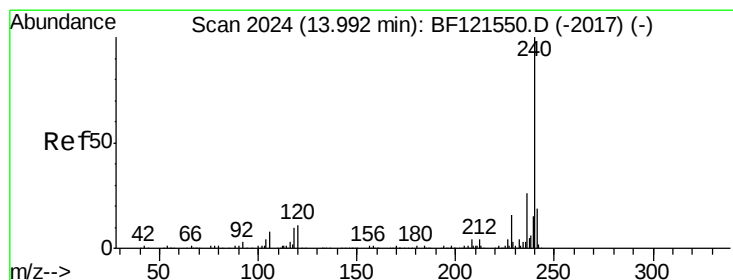
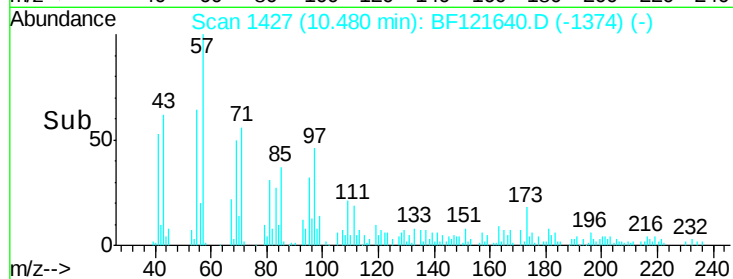
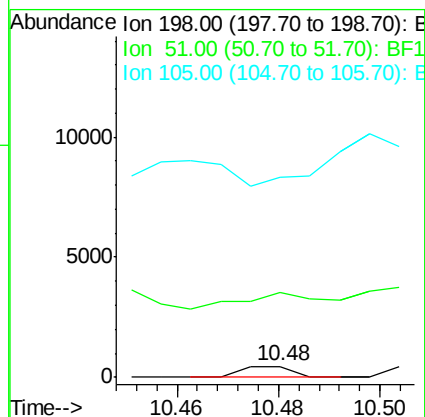
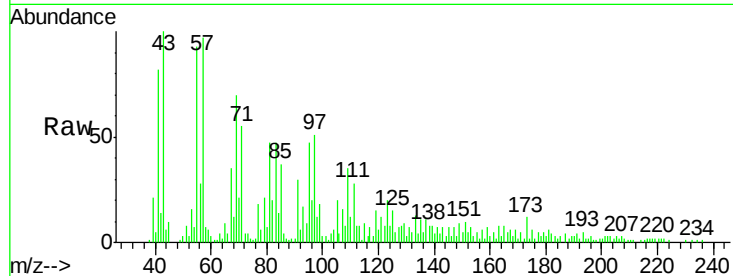




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.958 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. 0.01 min
 Lab File: BF121640.D
 Acq: 21 Sep 2020 22:12

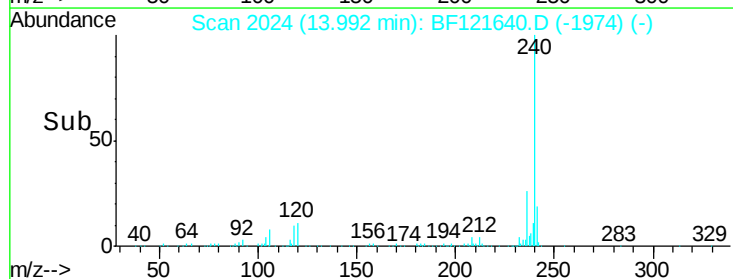
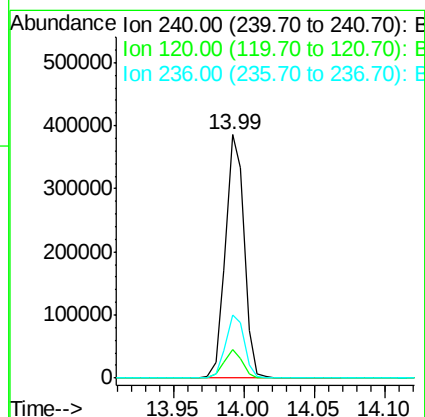
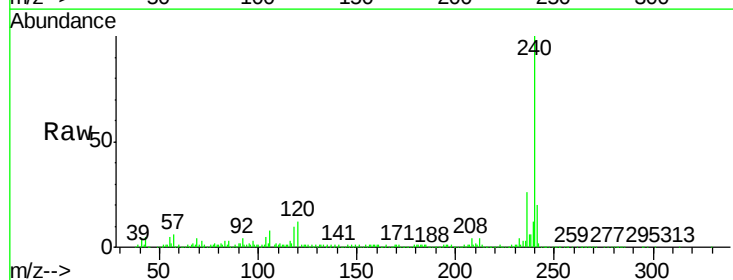
Instrument :
 BNA_F
 ClientSampleId :
 1799-1801

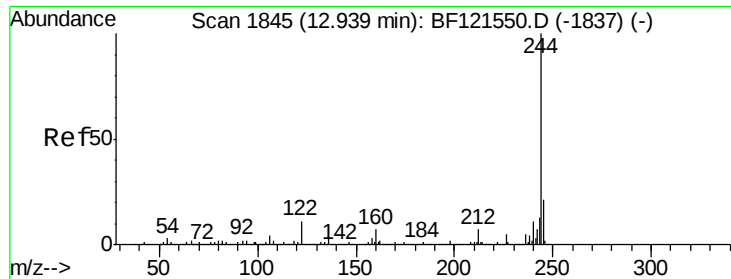
Tot Ion:198 Resp: 314
 Ion Ratio Lower Upper
 198 100
 51 770.5 20.3 60.3#
 105 1823.6 20.2 60.2#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF121640.D
 Acq: 21 Sep 2020 22:12

Tgt Ion:240 Resp: 353148
 Ion Ratio Lower Upper
 240 100
 120 11.7 9.2 13.8
 236 25.7 20.4 30.6





#79

Terphenyl-d14

Concen: 79.806 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.01 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

Instrument :

BNA_F

ClientSampleId :

1799-1801

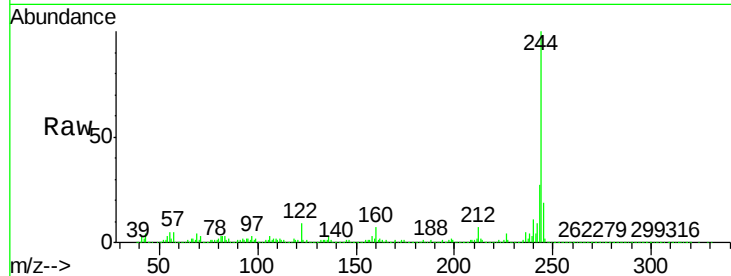
Tot Ion:244 Resp: 1391149

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

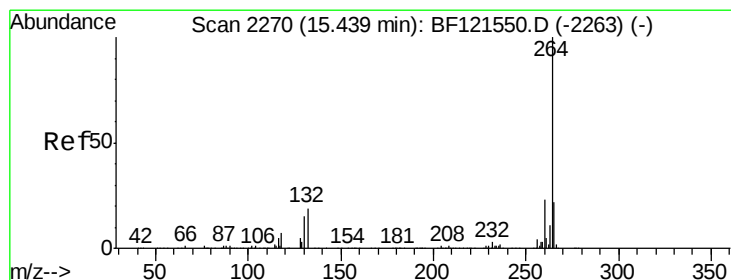
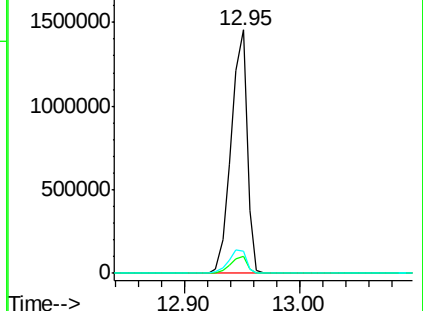
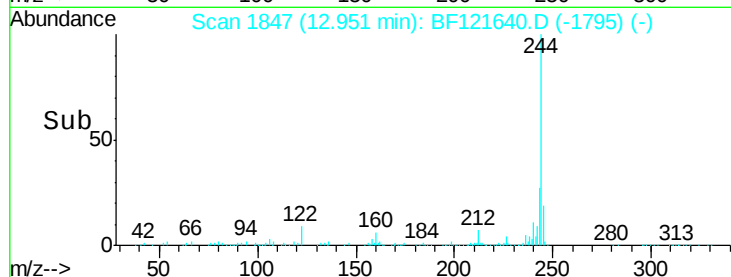
122 9.3 7.4 11.0



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BF121640.D

Acq: 21 Sep 2020 22:12

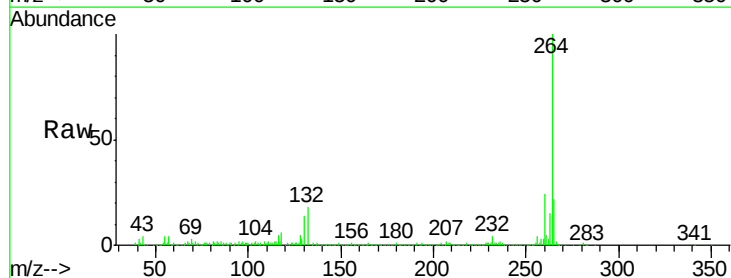
Tgt Ion:264 Resp: 343170

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 22.0 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

