

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
 Data File : BF121464.D
 Acq On : 28 Aug 2020 17:27
 Operator : JU/CG
 Sample : L3837-19
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 789UMR-TP12-0002-01

Quant Time: Aug 28 18:28:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 28 09:25:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	300113	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1166539	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	612375	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	1163424	20.00	ng	0.00
76) Chrysene-d12	14.02	240	844388	20.00	ng	0.00
86) Perylene-d12	15.49	264	724017	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1452979	81.23	ng	0.00
7) Phenol-d6	6.48	99	1908287	76.34	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1209337	70.87	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	559550	90.46	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	2247354	59.21	ng	0.00
79) Terphenyl-d14	12.97	244	2312276	57.64	ng	0.00

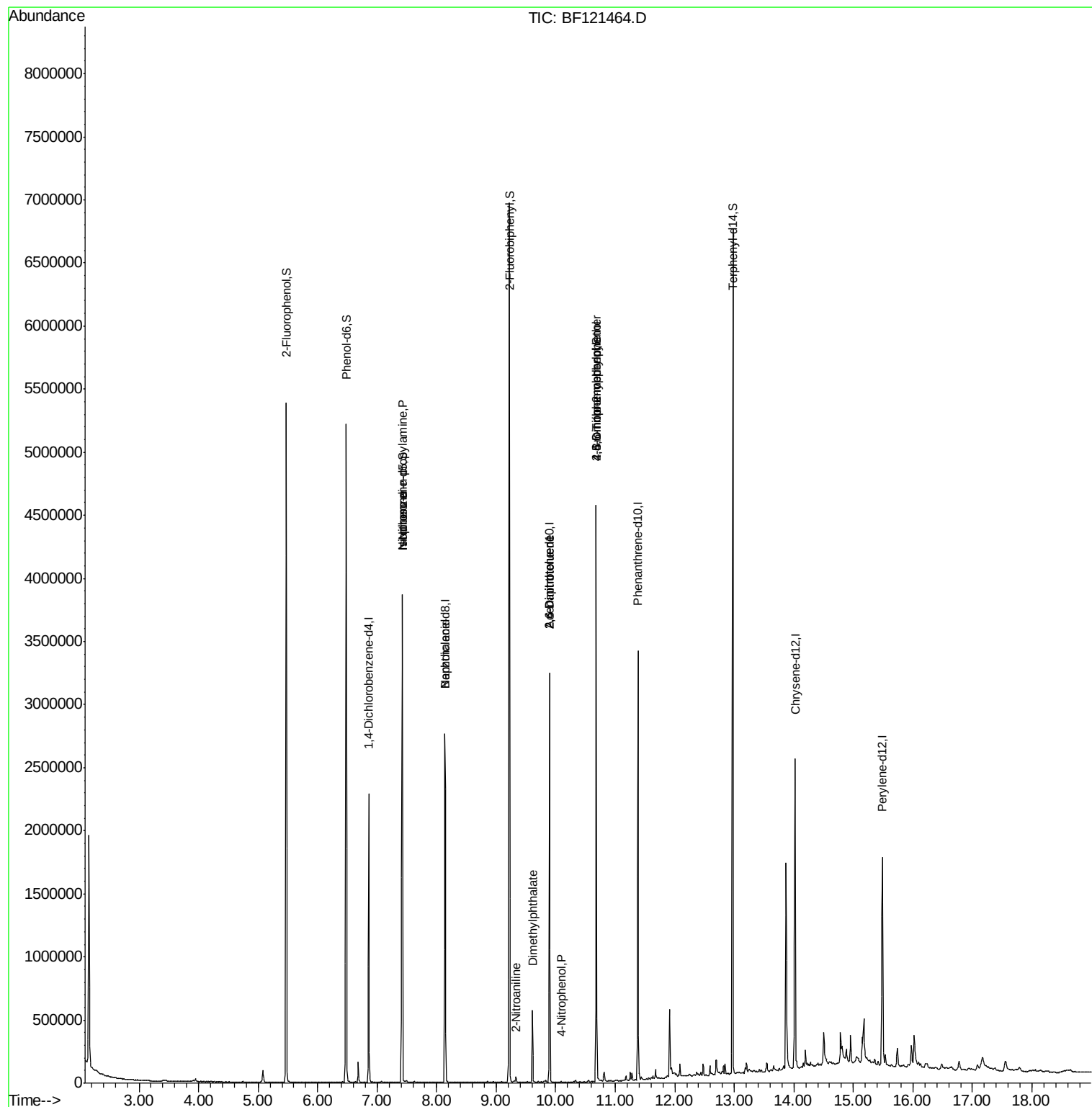
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	195	Below Cal		# 80
19) n-Nitroso-di-n-propylamine	7.42	70	161381	11.552	ng	# 78
25) Isophorone	7.42	82	1206974	31.449	ng	# 64
32) Benzoic acid	8.15	122	109	6.673	ng	# 1
48) 2-Nitroaniline	9.33	65	471	6.686	ng	# 5
50) Dimethylphthalate	9.61	163	202529	4.815	ng	# 98
51) 2,6-Dinitrotoluene	9.90	165	80509	15.265	ng	# 24
56) 4-Nitrophenol	10.10	139	503	7.912	ng	# 6
57) 2,4-Dinitrotoluene	9.90	165	80509	14.314	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.68	198	1210	6.018	ng	# 1
67) 4-Bromophenyl-phenylether	10.68	248	32203	2.516	ng	# 1

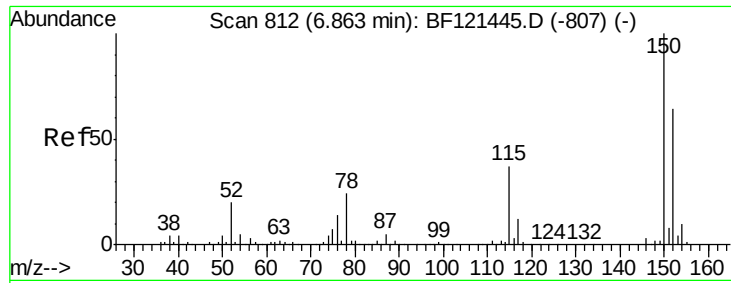
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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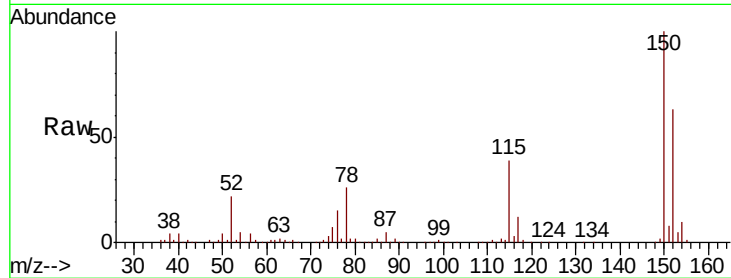




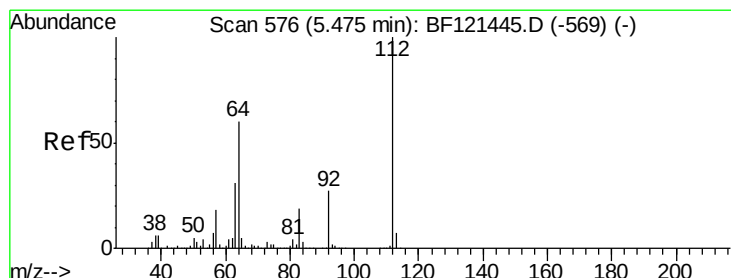
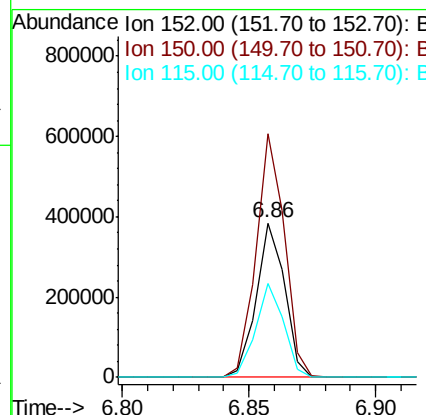
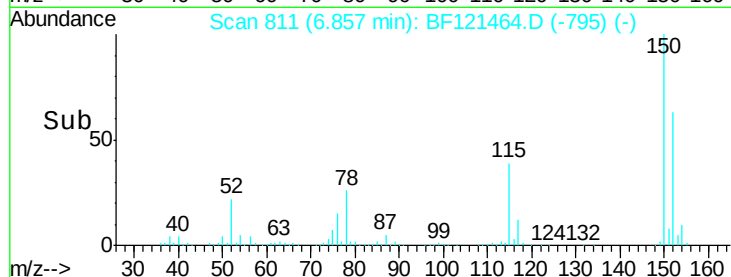
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF121464.D
 Acq: 28 Aug 2020 17:27

Instrument :
 BNA_F
 ClientSampleId :
 789UMR-TP12-0002-01

Tot Ion:152 Resp: 300113
 Ion Ratio Lower Upper
 152 100
 150 157.7 125.8 188.6
 115 61.2 46.6 69.8

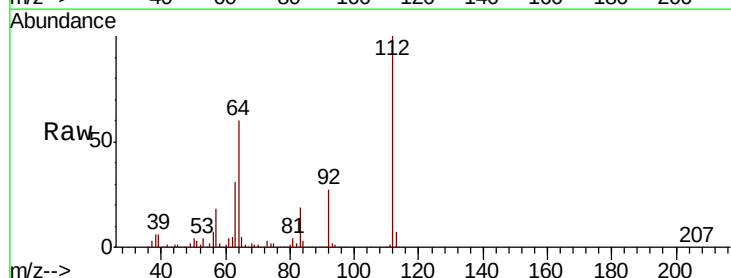


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

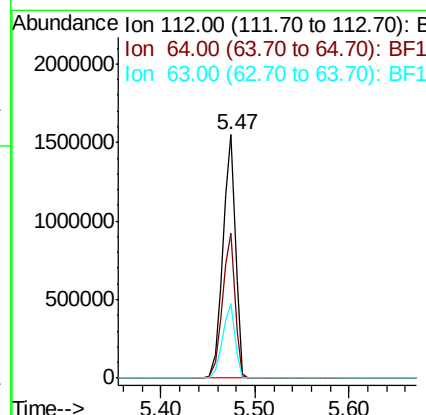
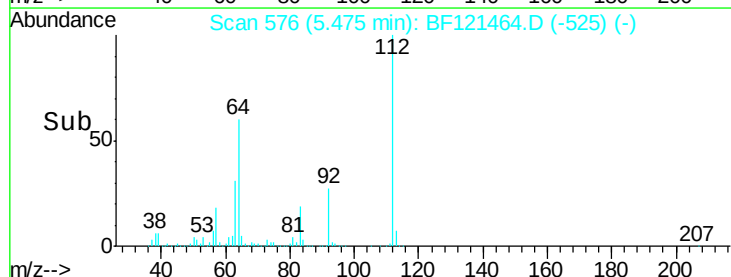


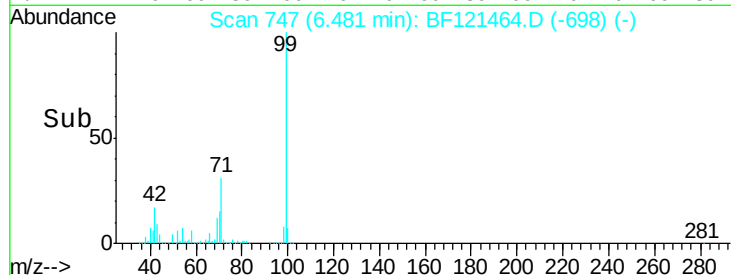
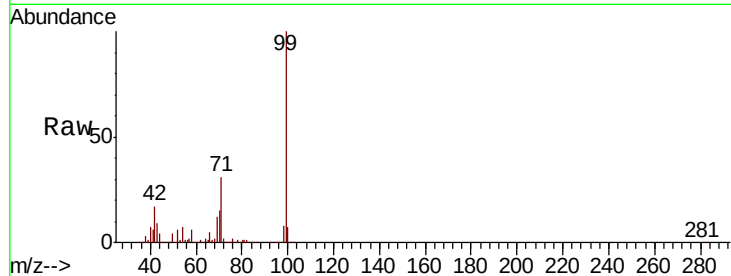
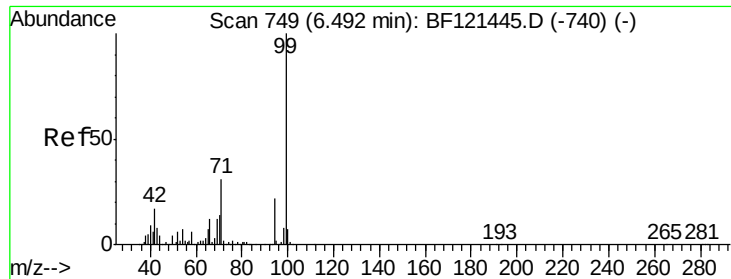
#5
 2-Fluorophenol
 Concen: 81.227 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.00 min
 Lab File: BF121464.D
 Acq: 28 Aug 2020 17:27

Tgt Ion:112 Resp: 1452979
 Ion Ratio Lower Upper
 112 100
 64 59.7 48.2 72.2
 63 30.8 24.8 37.2



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: 76.338 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF121464.D

Acq: 28 Aug 2020 17:27

Instrument :

BNA_F

ClientSampleId :

789UMR-TP12-0002-01

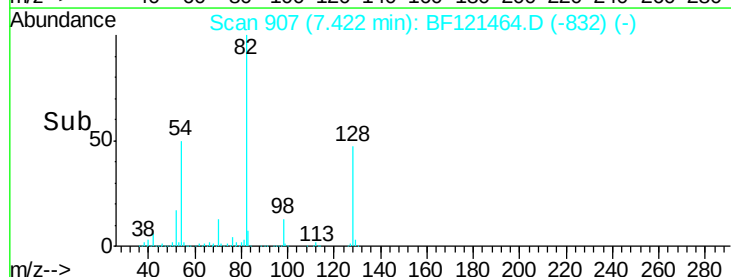
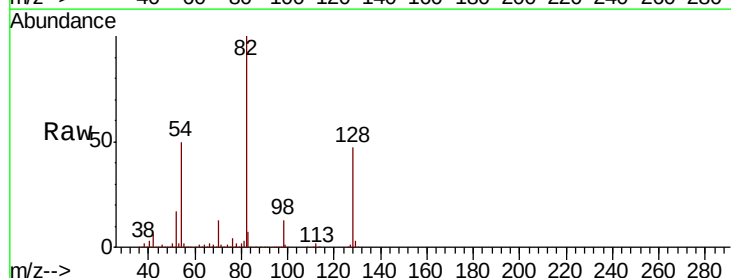
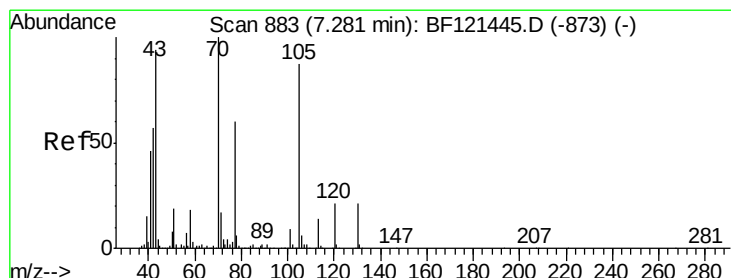
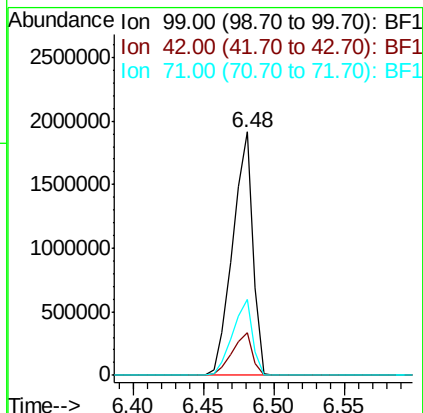
Tot Ion: 99 Resp: 1908287

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

71 31.2 24.6 37.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.552 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF121464.D

Acq: 28 Aug 2020 17:27

Tgt Ion: 70 Resp: 161381

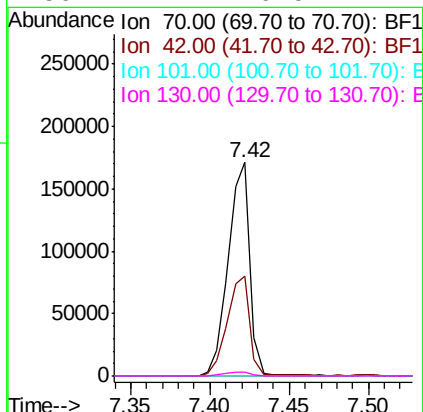
Ion Ratio Lower Upper

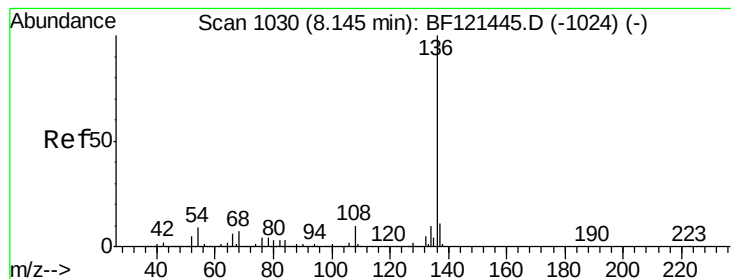
70 100

42 46.5 45.8 68.6

101 0.0 7.5 11.3#

130 2.1 16.5 24.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF121464.D

Acq: 28 Aug 2020 17:27

Instrument :

BNA_F

ClientSampleId :

789UMR-TP12-0002-01

Tot Ion:136 Resp: 1166539

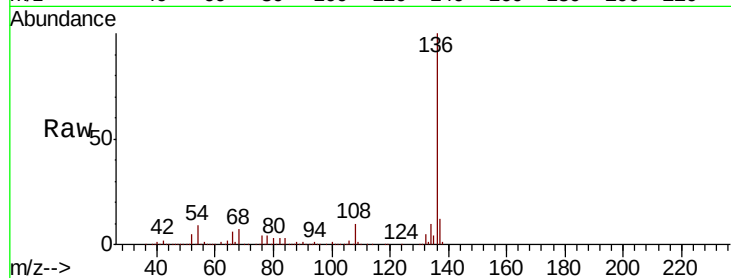
Ion Ratio Lower Upper

136 100

137 11.9 9.1 13.7

54 9.0 7.0 10.4

68 7.2 5.5 8.3

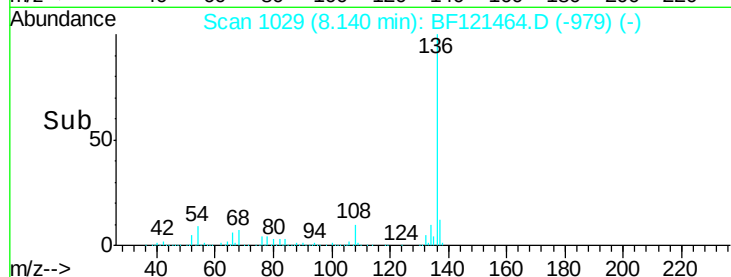


Abundance Ion 136.00 (135.70 to 136.70): E

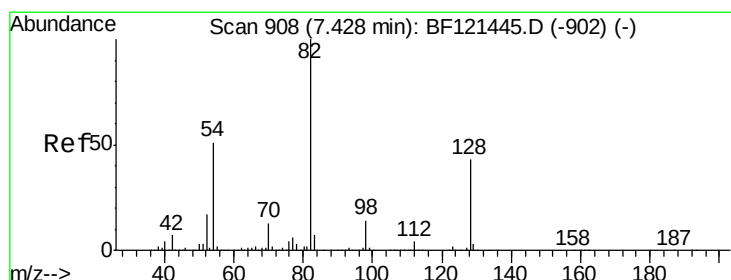
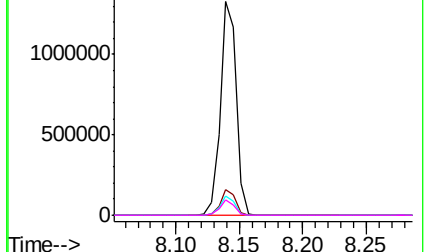
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 70.874 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF121464.D

Acq: 28 Aug 2020 17:27

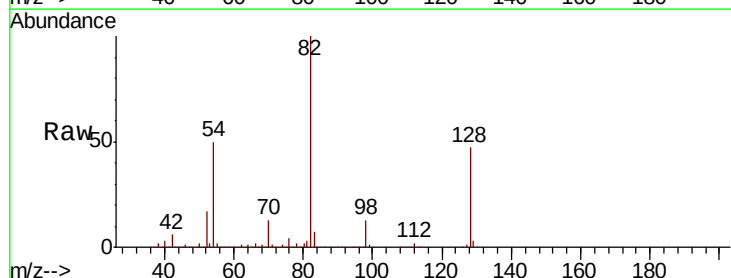
Tgt Ion: 82 Resp: 1209337

Ion Ratio Lower Upper

82 100

128 47.4 34.1 51.1

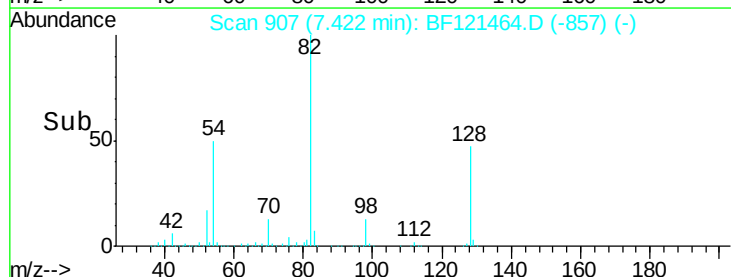
54 49.6 41.0 61.6



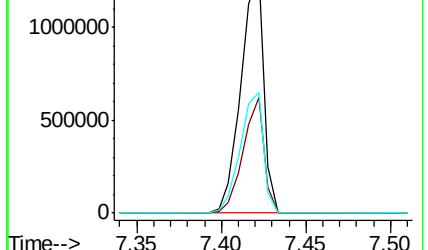
Abundance Ion 82.00 (81.70 to 82.70): BF1

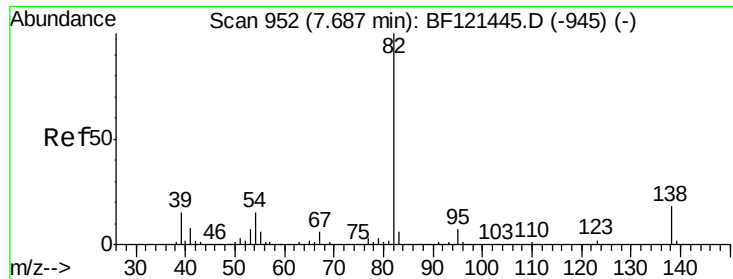
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 31.449 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF121464.D

Acq: 28 Aug 2020 17:27

Instrument :

BNA_F

ClientSampleId :

789UMR-TP12-0002-01

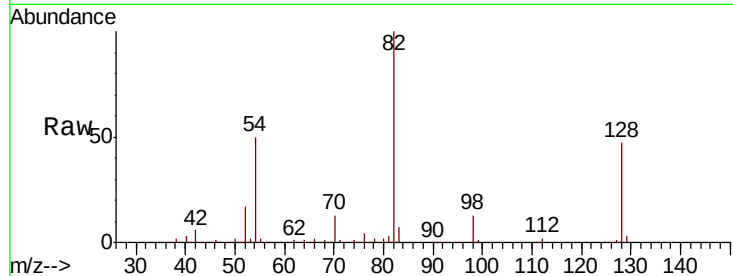
Tot Ion: 82 Resp: 1206974

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

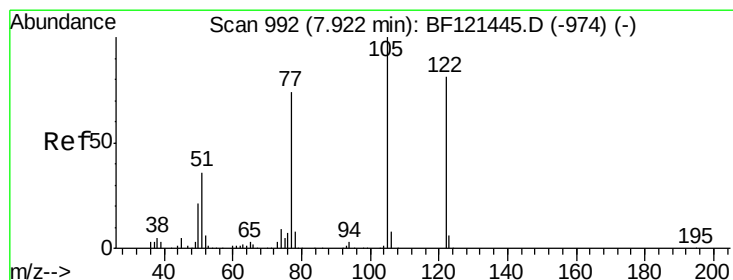
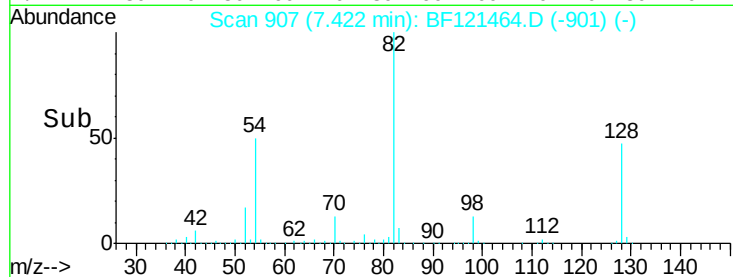
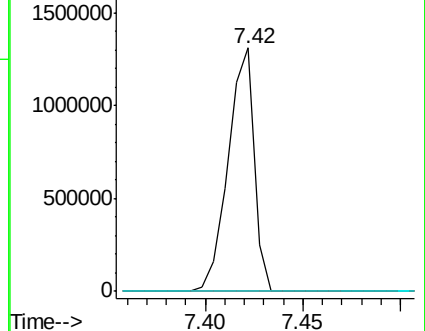
138 0.0 14.8 22.2#



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: 6.673 ng

RT: 8.15 min Scan# 1030

Delta R.T. 0.22 min

Lab File: BF121464.D

Acq: 28 Aug 2020 17:27

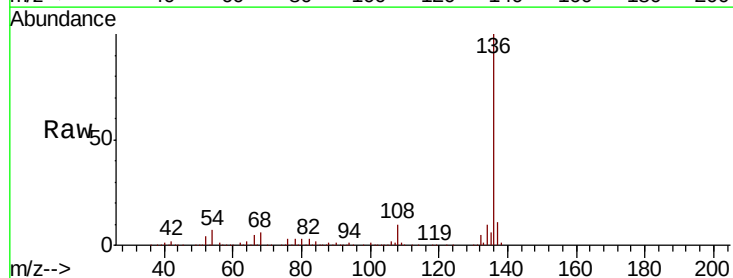
Tgt Ion: 122 Resp: 109

Ion Ratio Lower Upper

122 100

105 345.0 100.8 140.8#

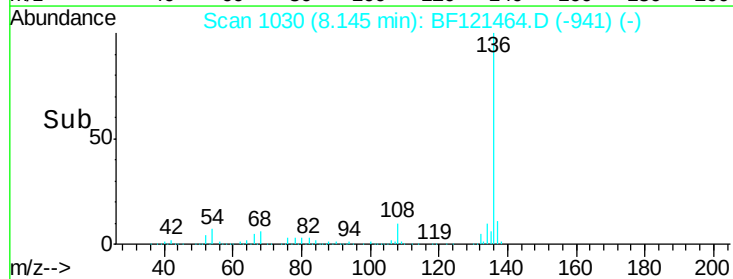
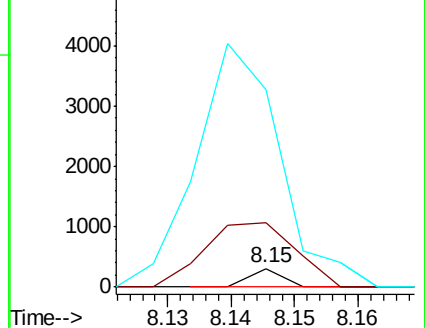
77 1059.5 71.5 111.5#

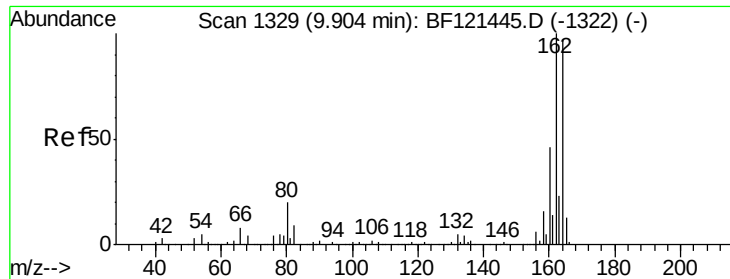


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

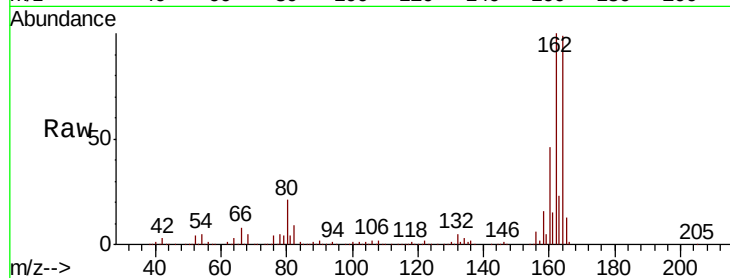




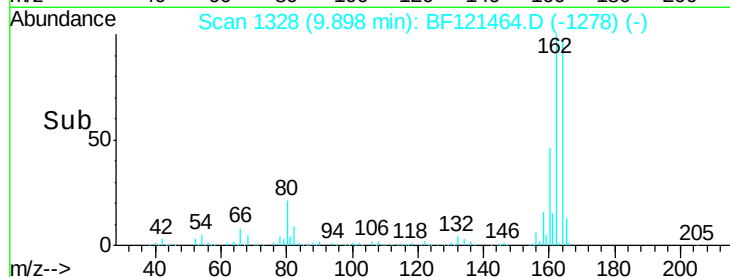
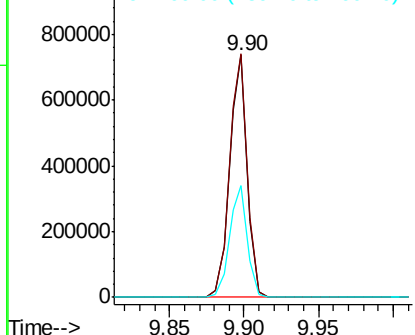
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF121464.D
 Acq: 28 Aug 2020 17:27

Instrument :
 BNA_F
 ClientSampleId :
 789UMR-TP12-0002-01

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.4	123.6
160	46.1	37.6	56.4

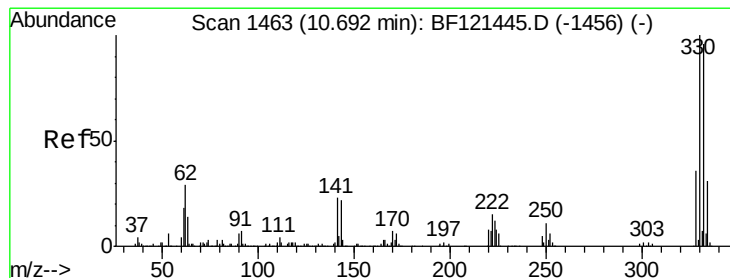


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

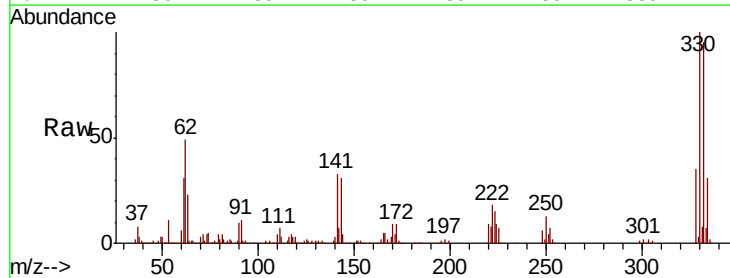
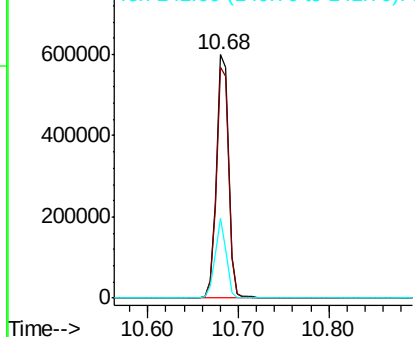


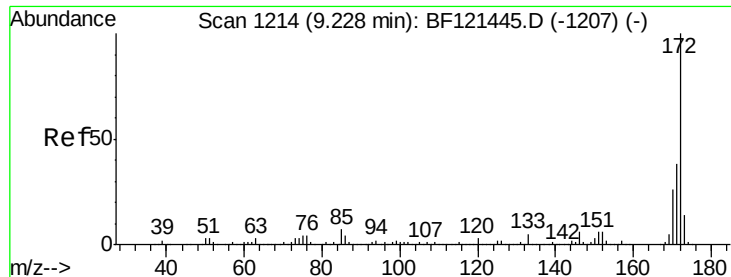
#42
 2,4,6-Tribromophenol
 Concen: 90.464 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF121464.D
 Acq: 28 Aug 2020 17:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.2	114.2
141	30.5	24.6	36.8



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

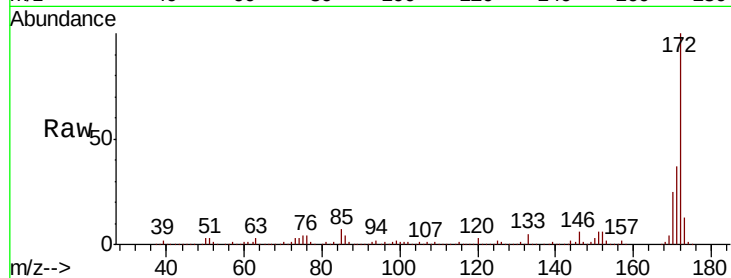




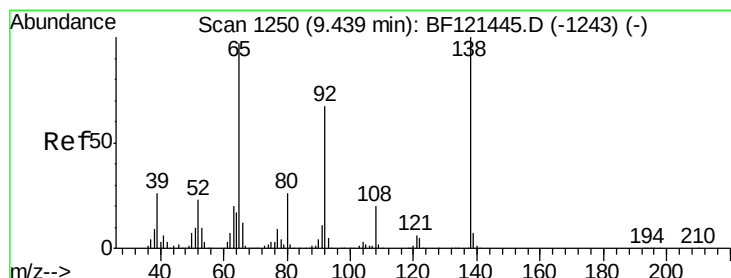
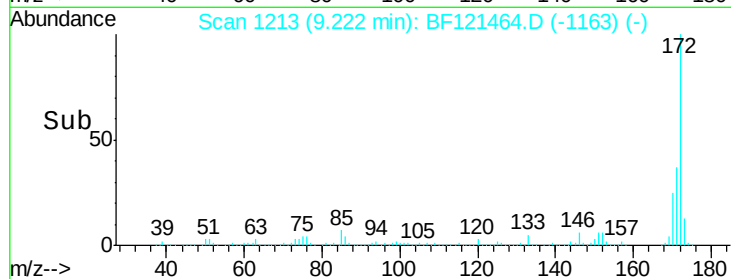
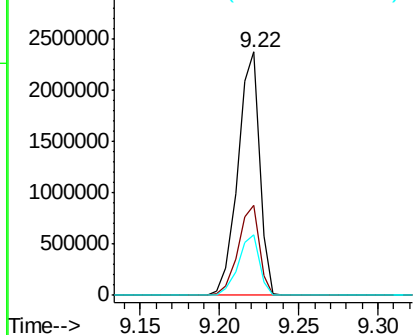
#45
2-Fluorobiphenyl
Concen: 59.215 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF121464.D
Acq: 28 Aug 2020 17:27

Instrument :
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ClientSampleId :
789UMR-TP12-0002-01

Tot Ion:172 Resp: 2247354
Ion Ratio Lower Upper
172 100
171 37.0 30.6 45.8
170 25.0 20.6 31.0

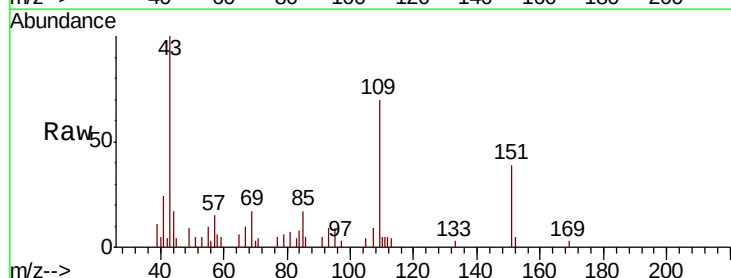


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

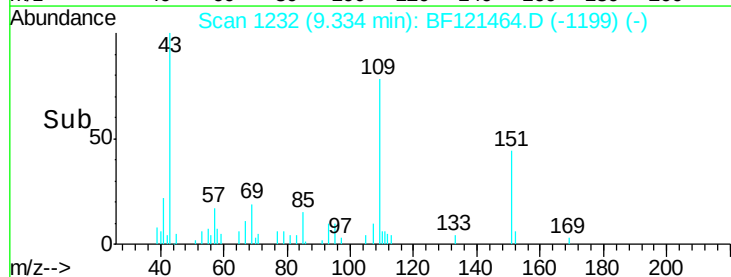
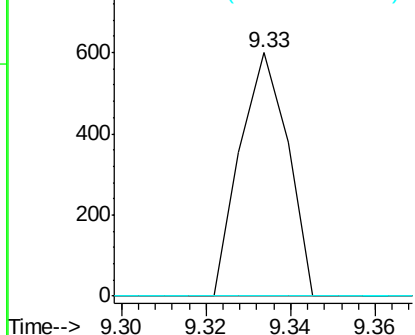


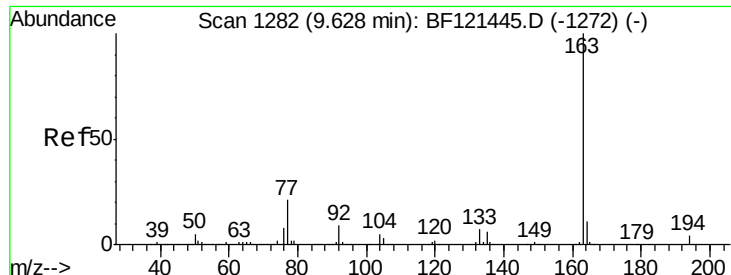
#48
2-Nitroaniline
Concen: 6.686 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.11 min
Lab File: BF121464.D
Acq: 28 Aug 2020 17:27

Tgt Ion: 65 Resp: 471
Ion Ratio Lower Upper
65 100
92 0.0 55.6 83.4#
138 0.0 82.9 124.3#



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

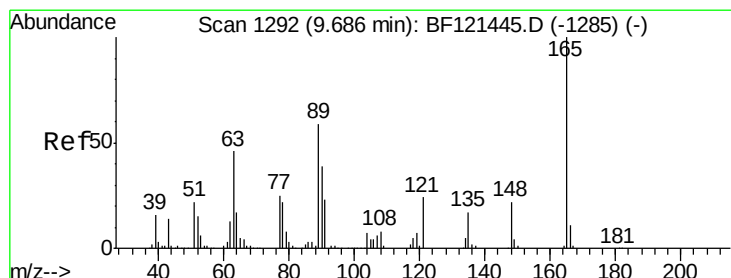
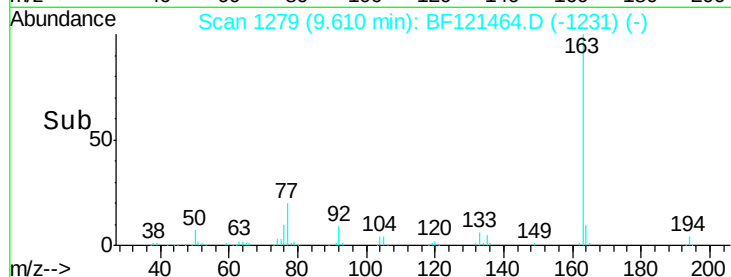
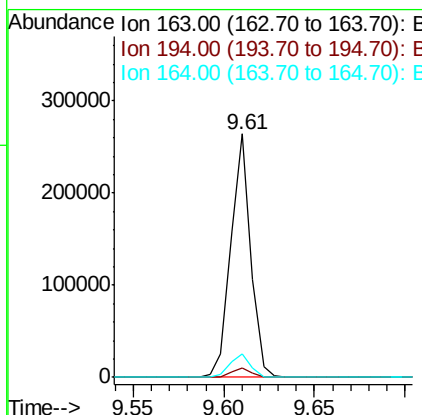
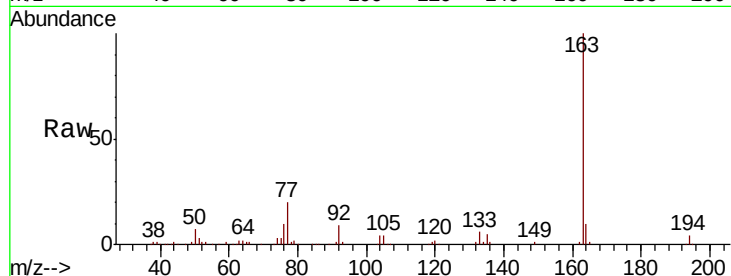




#50
Dimethylphthalate
Concen: 4.815 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF121464.D
Acq: 28 Aug 2020 17:27

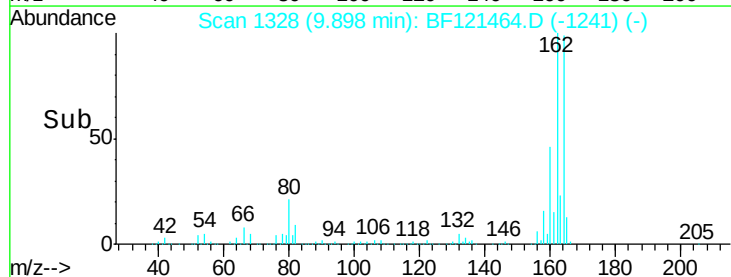
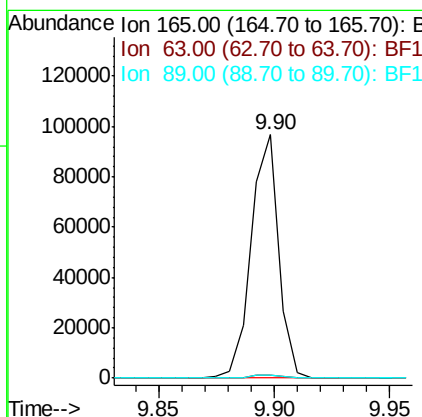
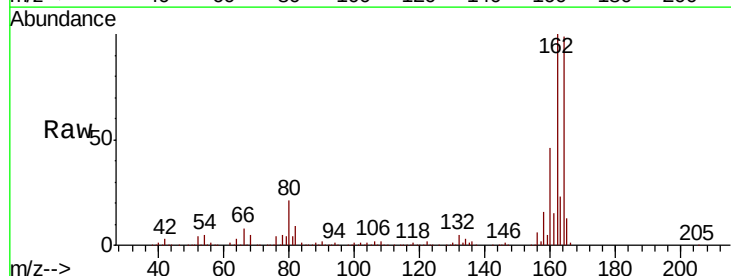
Instrument :
BNA_F
ClientSampleId :
789UMR-TP12-0002-01

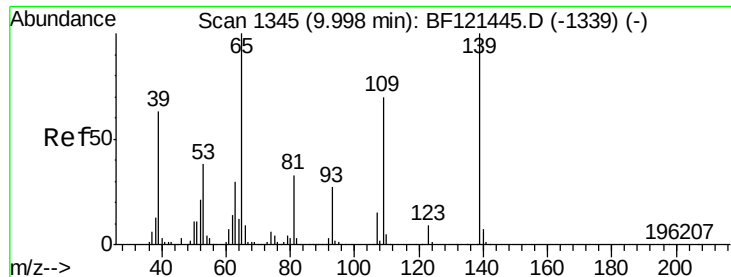
Tot Ion:163	Resp:	202529
Ion Ratio	Lower	Upper
163	100	
194	3.7	3.3 4.9
164	9.8	8.6 12.8



#51
2,6-Dinitrotoluene
Concen: 15.265 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF121464.D
Acq: 28 Aug 2020 17:27

Tgt Ion:165	Resp:	80509
Ion Ratio	Lower	Upper
165	100	
63	1.1	43.6 65.4#
89	1.5	47.4 71.2#

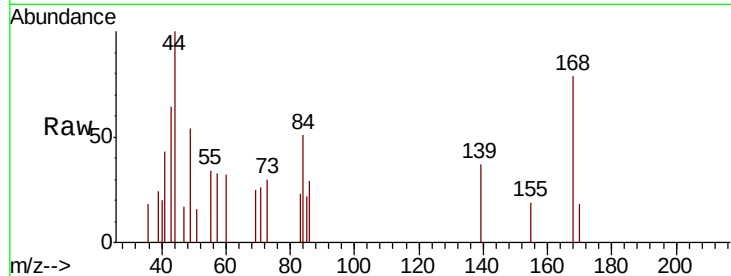




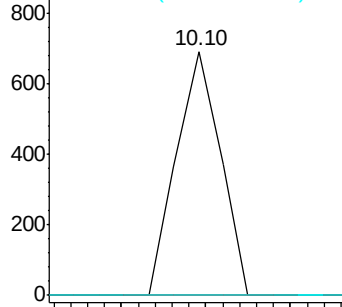
#56
4-Nitrophenol
Concen: 7.912 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.10 min
Lab File: BF121464.D
Acq: 28 Aug 2020 17:27

Instrument :
BNA_F
ClientSampleId :
789UMR-TP12-0002-01

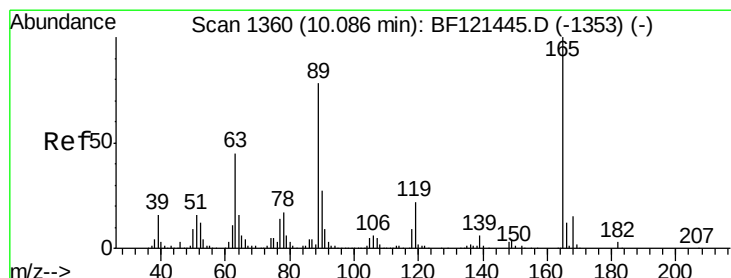
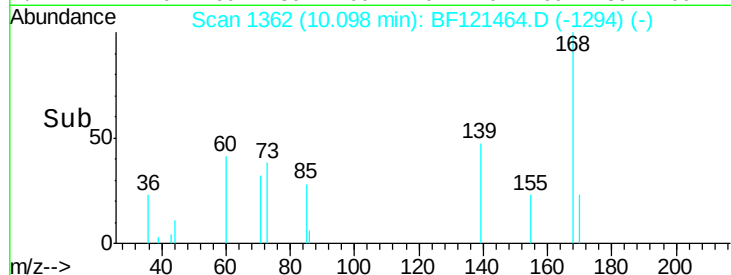
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	50.5	90.5#
65	0.0	80.2	120.2#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1



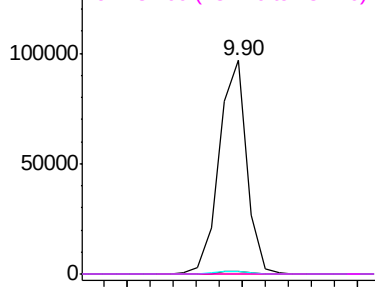
Time-->



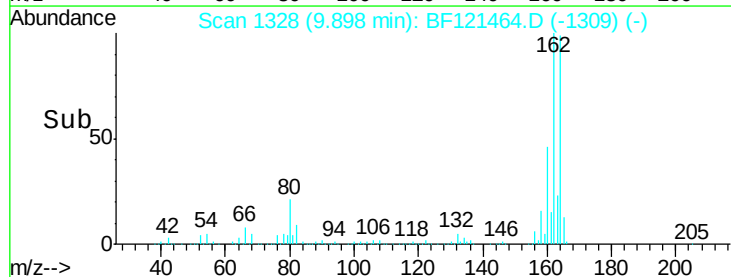
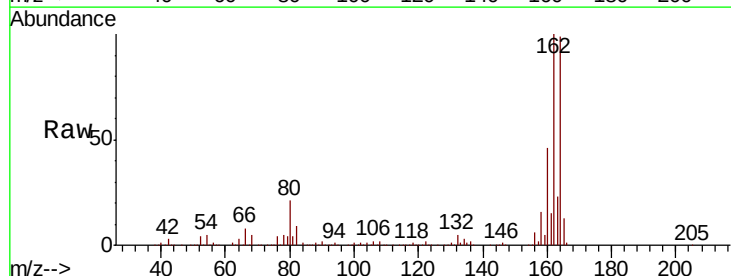
#57
2,4-Dinitrotoluene
Concen: 14.314 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.19 min
Lab File: BF121464.D
Acq: 28 Aug 2020 17:27

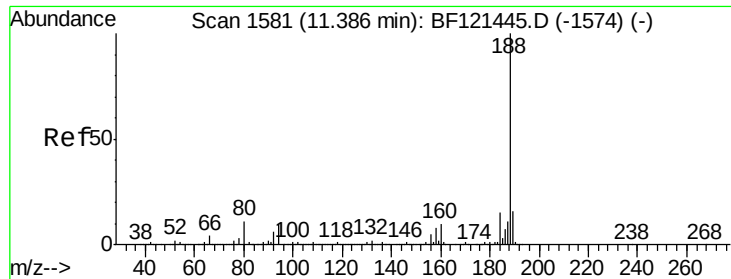
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.0	54.0#
89	1.5	62.6	93.8#
182	0.0	2.2	3.2#

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



Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF121464.D

Acq: 28 Aug 2020 17:27

Instrument :

BNA_F

ClientSampleId :

789UMR-TP12-0002-01

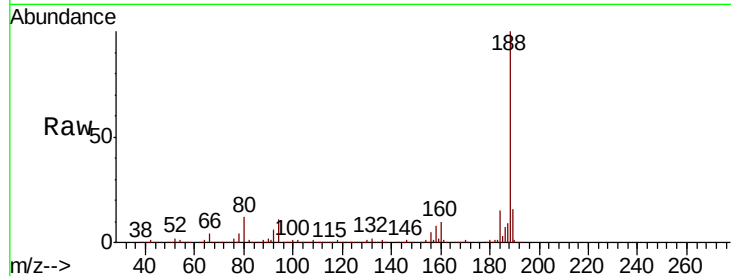
Tot Ion:188 Resp: 1163424

Ion Ratio Lower Upper

188 100

94 10.9 8.3 12.5

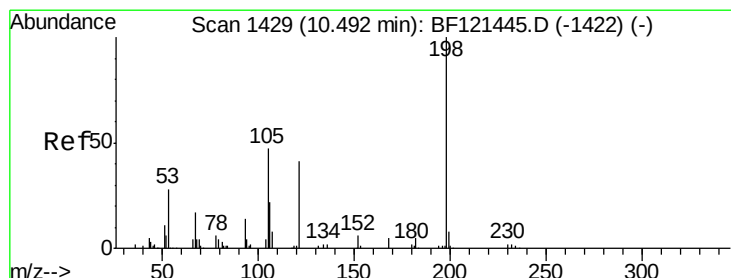
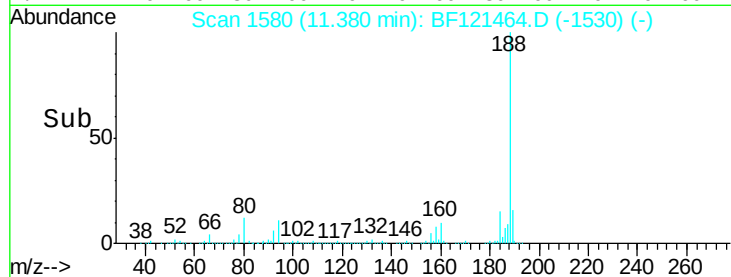
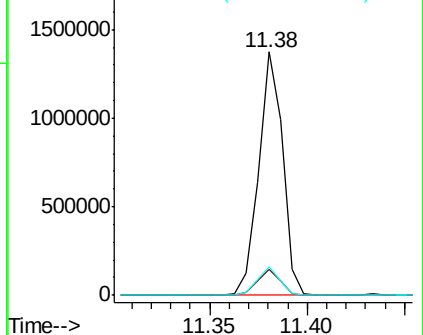
80 11.7 8.6 13.0



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.018 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.19 min

Lab File: BF121464.D

Acq: 28 Aug 2020 17:27

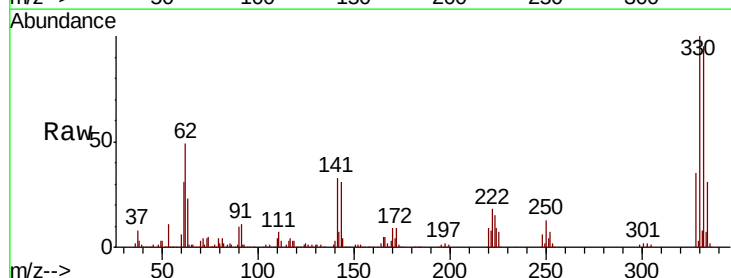
Tgt Ion:198 Resp: 1210

Ion Ratio Lower Upper

198 100

51 185.1 29.0 69.0#

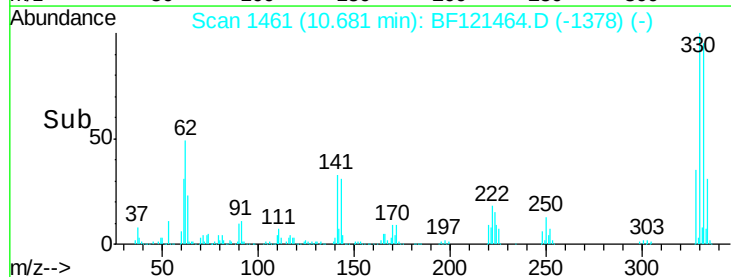
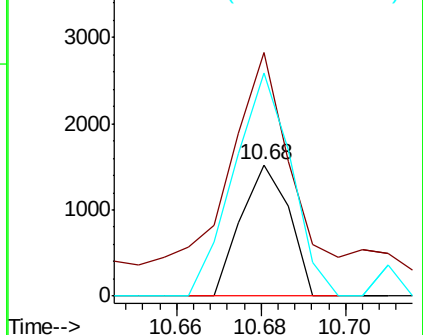
105 170.0 29.1 69.1#

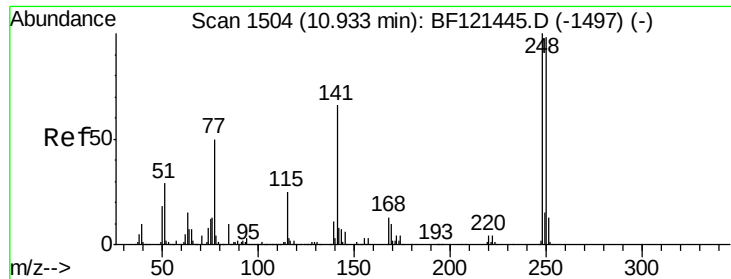


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

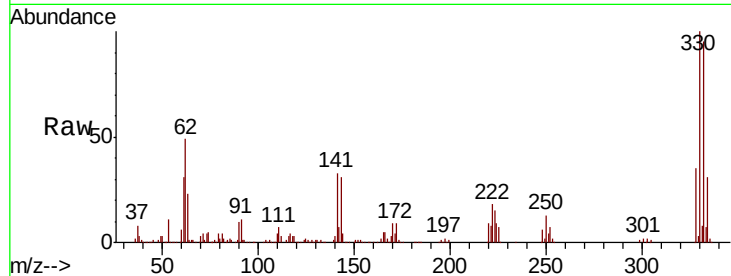




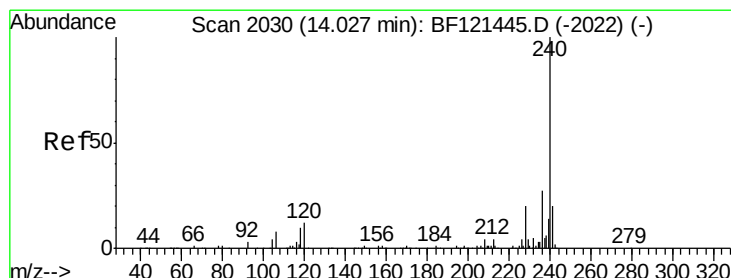
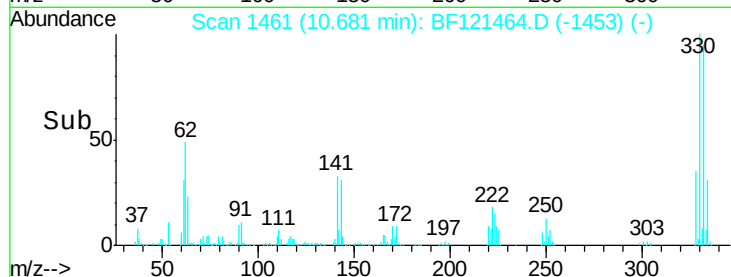
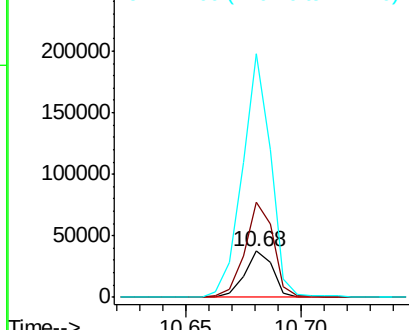
#67
 4-Bromophenyl-phenylether
 Concen: 2.516 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.25 min
 Lab File: BF121464.D
 Acq: 28 Aug 2020 17:27

Instrument :
 BNA_F
 ClientSampleId :
 789UMR-TP12-0002-01

Tot Ion:248 Resp: 32203
 Ion Ratio Lower Upper
 248 100
 250 207.6 78.7 118.1#
 141 530.0 52.6 78.8#

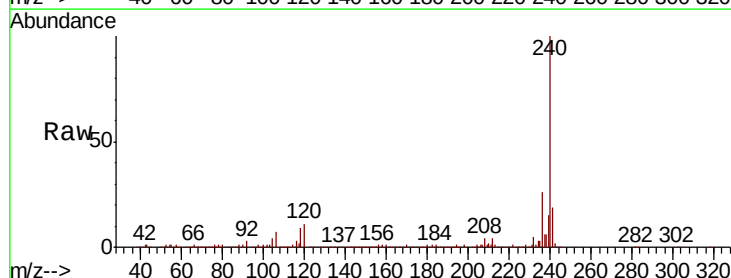


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

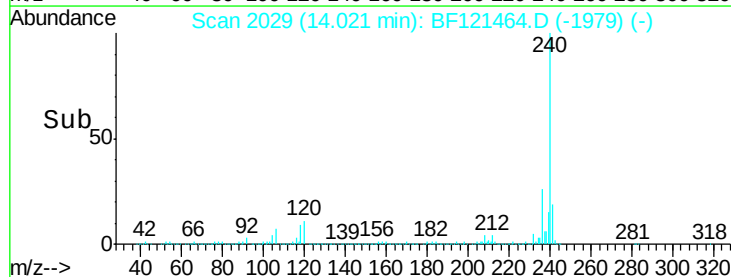
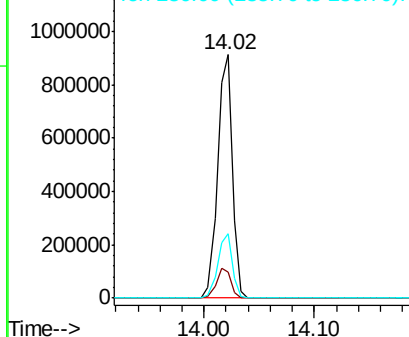


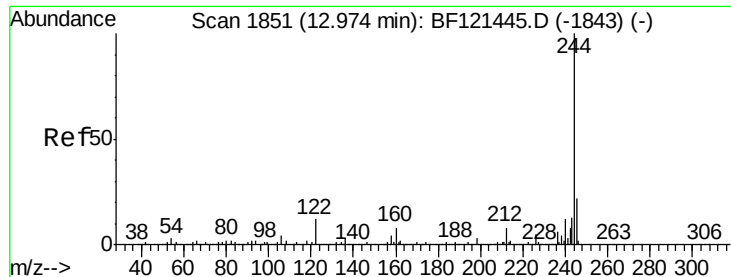
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF121464.D
 Acq: 28 Aug 2020 17:27

Tgt Ion:240 Resp: 844388
 Ion Ratio Lower Upper
 240 100
 120 10.6 9.5 14.3
 236 26.2 21.8 32.6



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 57.642 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF121464.D

Acq: 28 Aug 2020 17:27

Instrument :

BNA_F

ClientSampleId :

789UMR-TP12-0002-01

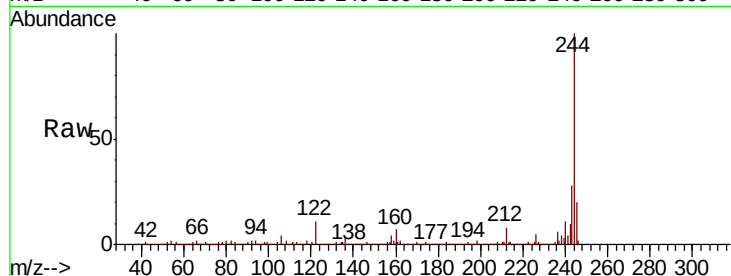
Tot Ion:244 Resp: 2312276

Ion Ratio Lower Upper

244 100

212 7.5 6.3 9.5

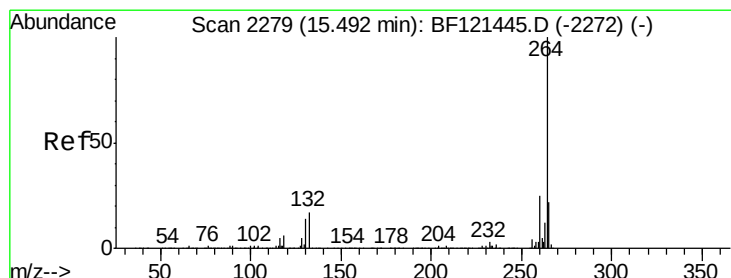
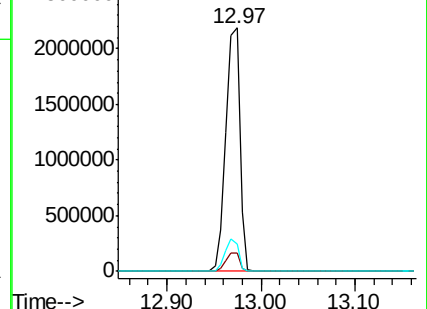
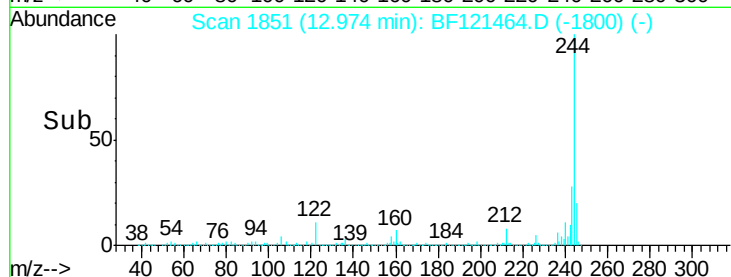
122 11.4 9.5 14.3



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: 15.49 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BF121464.D

Acq: 28 Aug 2020 17:27

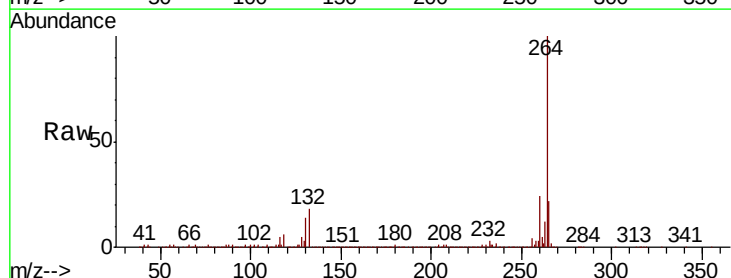
Tgt Ion:264 Resp: 724017

Ion Ratio Lower Upper

264 100

260 24.1 19.6 29.4

265 22.0 17.8 26.6



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

