

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090820\
 Data File : BF121533.D
 Acq On : 8 Sep 2020 21:02
 Operator : JU/CG
 Sample : L3915-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-PM-A1-0-4-C

Quant Time: Sep 09 02:38:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 17:52:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	297670	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1126499	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	584571	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	1115151	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	885549	20.00	ng	-0.02
86) Perylene-d12	15.45	264	764838	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1838493	103.62	ng	0.01
7) Phenol-d6	6.47	99	2180532	87.94	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1716162	104.15	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	838910	142.08	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	2951514	81.47	ng	-0.01
79) Terphenyl-d14	12.95	244	3093511	73.53	ng	0.00

Target Compounds

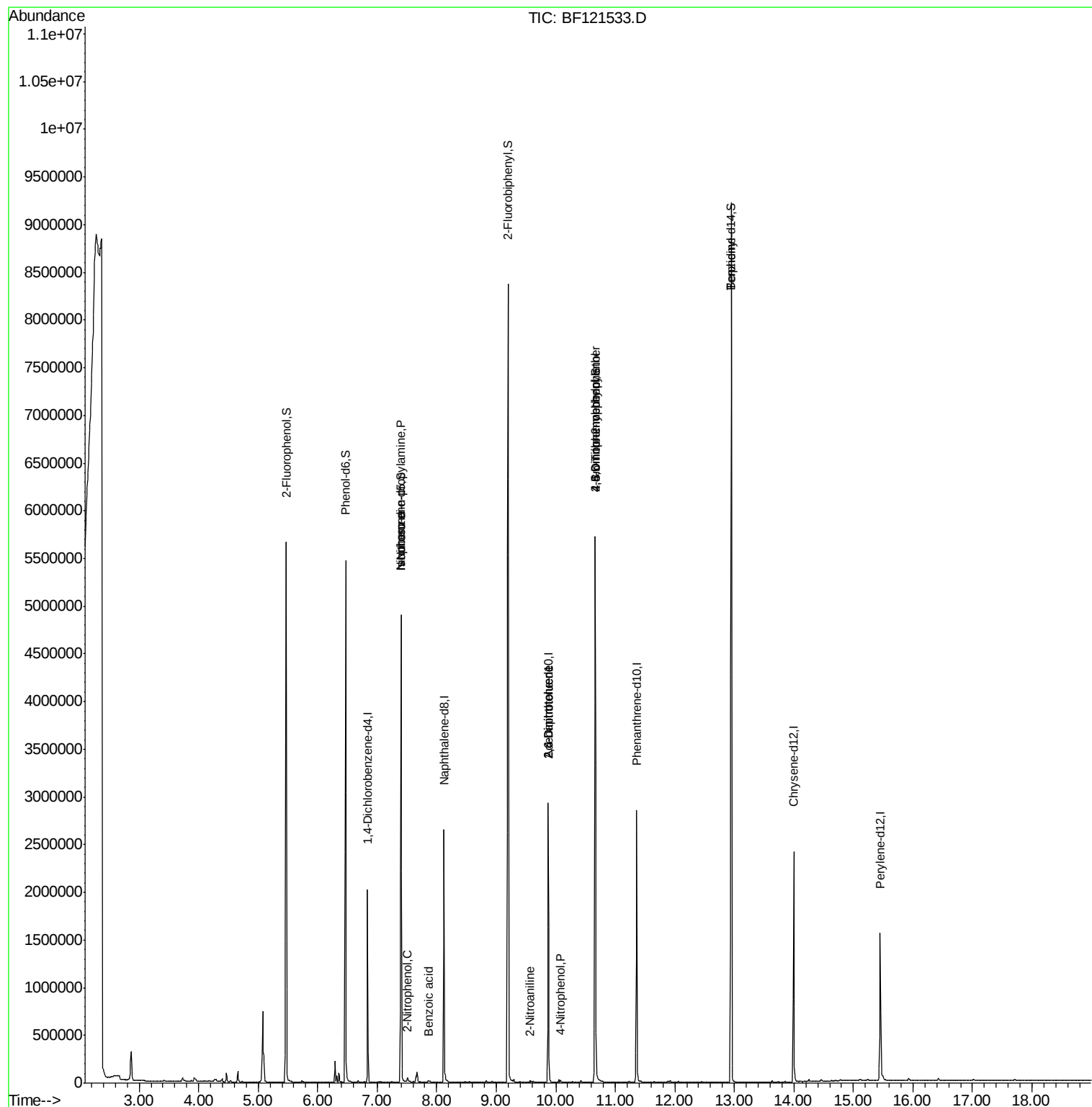
						Qvalue
9) Benzaldehyde	6.39	77	1431	Below Cal		91
19) n-Nitroso-di-n-propylamine	7.40	70	225673	16.287 ng	#	79
25) Isophorone	7.40	82	1703298	45.958 ng	#	63
26) 2-Nitrophenol	7.51	139	395	4.822 ng	#	35
32) Benzoic acid	7.87	122	1272	6.831 ng		89
48) 2-Nitroaniline	9.57	65	250	6.669 ng	#	2
51) 2,6-Dinitrotoluene	9.87	165	75257	15.082 ng	#	23
56) 4-Nitrophenol	10.08	139	1246	8.001 ng	#	10
57) 2,4-Dinitrotoluene	9.87	165	75257	14.168 ng	#	25
65) 4,6-Dinitro-2-methylphenol	10.66	198	1671	6.294 ng	#	1
67) 4-Bromophenyl-phenylether	10.66	248	49276	4.017 ng	#	1
77) Benzidine	12.95	184	43074	2.230 ng	#	92

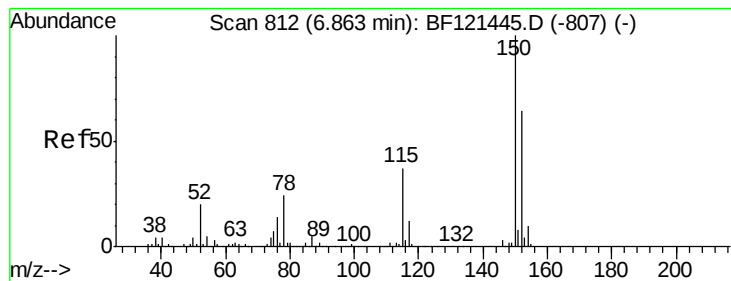
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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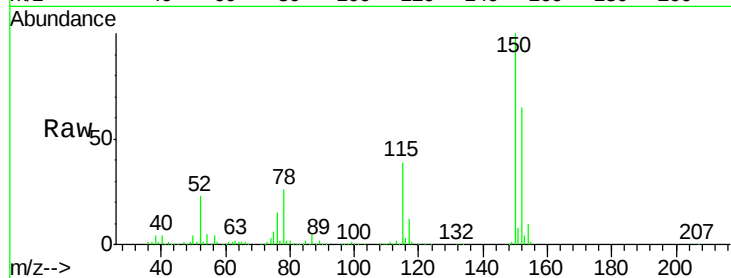


#1

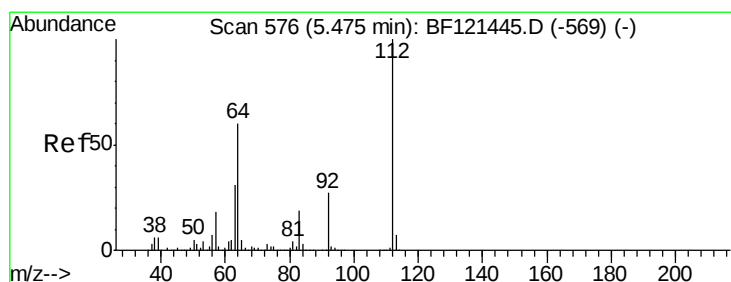
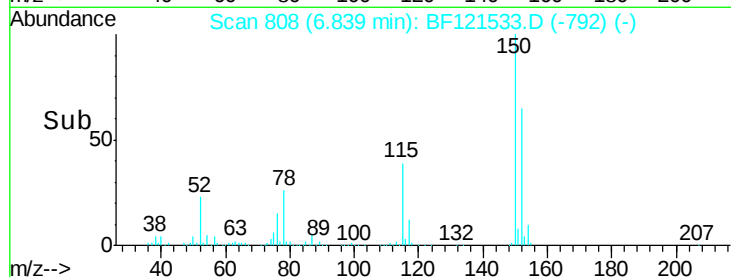
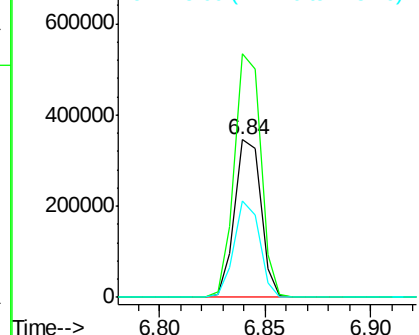
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF121533.D
Acq: 8 Sep 2020 21:02

Instrument :
BNA_F
ClientSampleId :
WC-PM-A1-0-4-C

Tot Ion:152 Resp: 297670
Ion Ratio Lower Upper
152 100
150 154.6 126.1 189.1
115 61.0 48.4 72.6



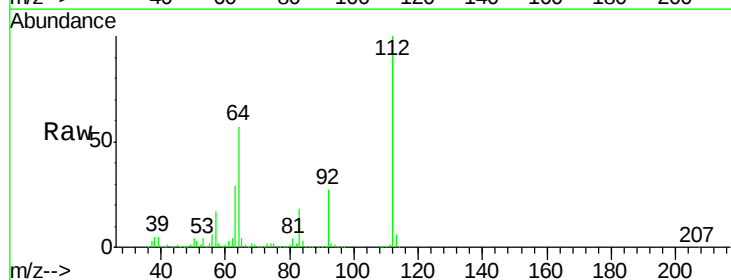
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



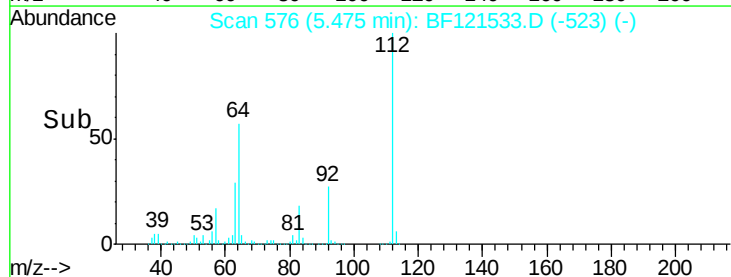
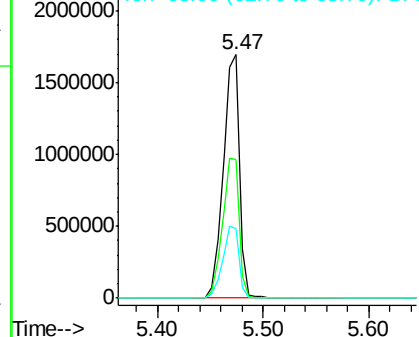
#5

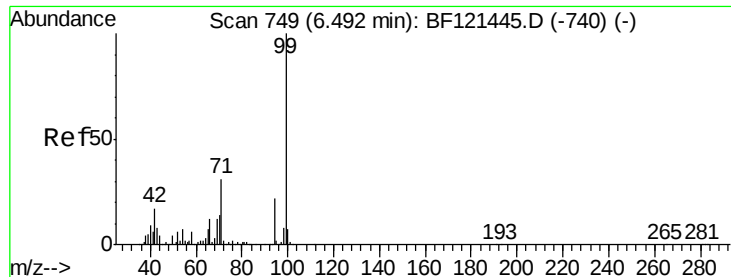
2-Fluorophenol
Concen: 103.622 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF121533.D
Acq: 8 Sep 2020 21:02

Tgt Ion:112 Resp: 1838493
Ion Ratio Lower Upper
112 100
64 56.8 46.0 69.0
63 28.7 23.4 35.2



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: 87.945 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF121533.D

Acq: 8 Sep 2020 21:02

Instrument :

BNA_F

ClientSampleId :

WC-PM-A1-0-4-C

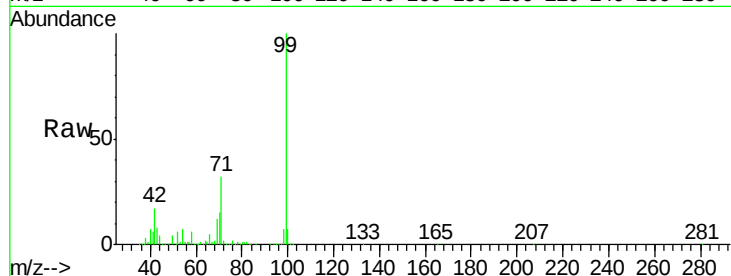
Tot Ion: 99 Resp: 2180532

Ion Ratio Lower Upper

99 100

42 16.6 13.0 19.4

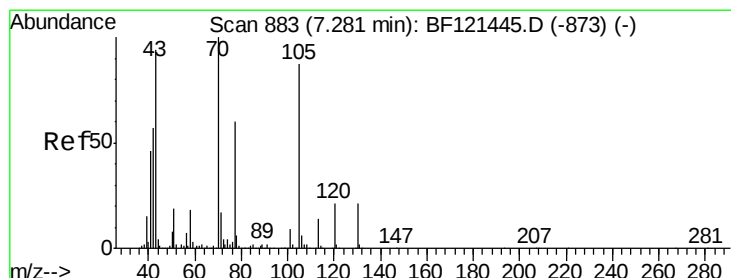
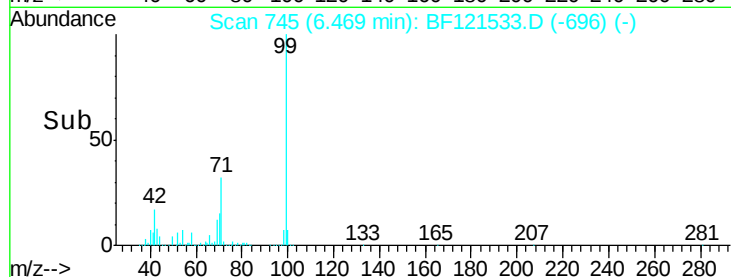
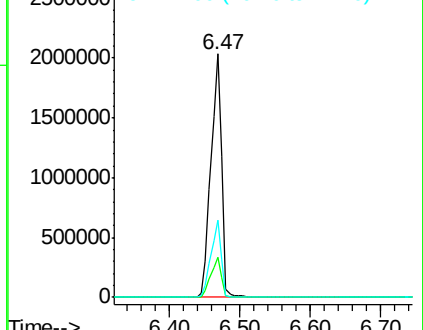
71 31.8 24.8 37.2



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: 16.287 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF121533.D

Acq: 8 Sep 2020 21:02

Tgt Ion: 70 Resp: 225673

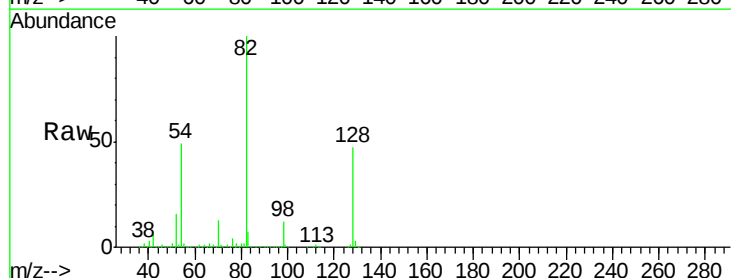
Ion Ratio Lower Upper

70 100

42 44.5 42.0 63.0

101 0.0 8.1 12.1#

130 2.5 18.3 27.5#

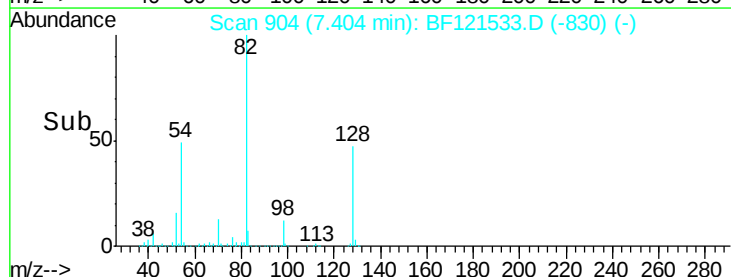
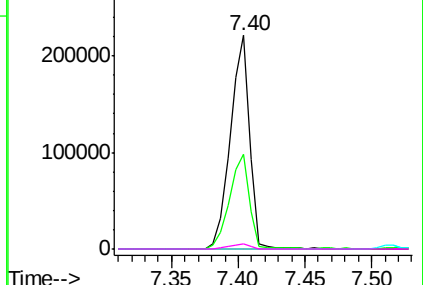


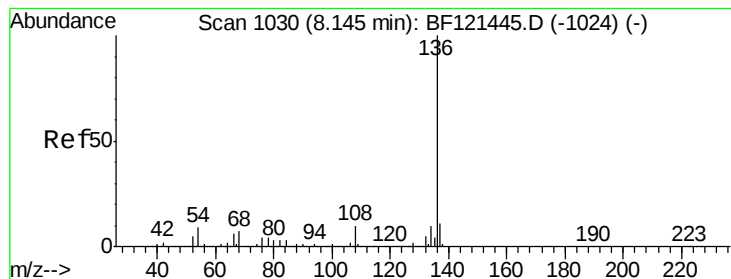
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF121533.D

Acq: 8 Sep 2020 21:02

Instrument :

BNA_F

ClientSampleId :

WC-PM-A1-0-4-C

Tot Ion:136 Resp: 1126499

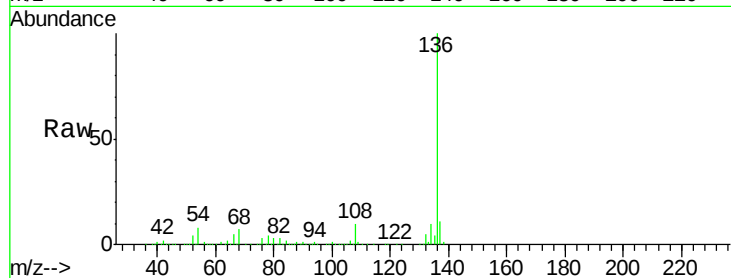
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.2 6.2 9.4

68 6.6 5.1 7.7

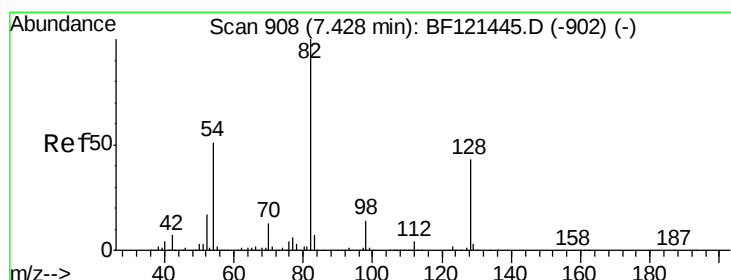
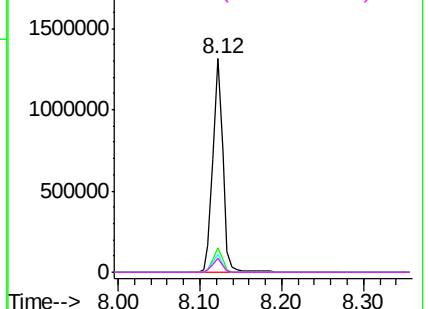
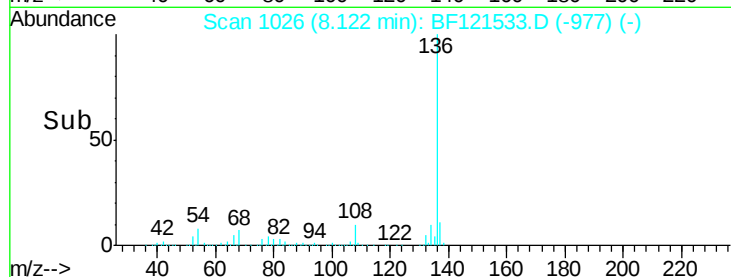


Abundance Ion 136.00 (135.70 to 136.70): E

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: 104.151 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF121533.D

Acq: 8 Sep 2020 21:02

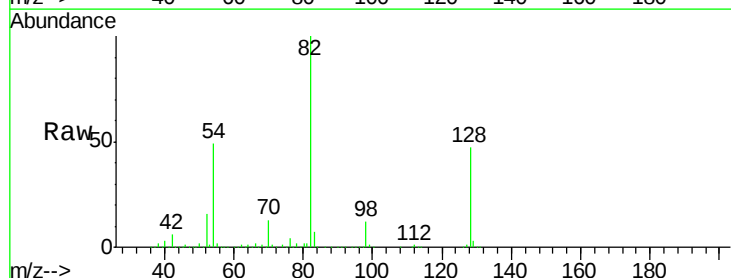
Tgt Ion: 82 Resp: 1716162

Ion Ratio Lower Upper

82 100

128 47.0 37.3 55.9

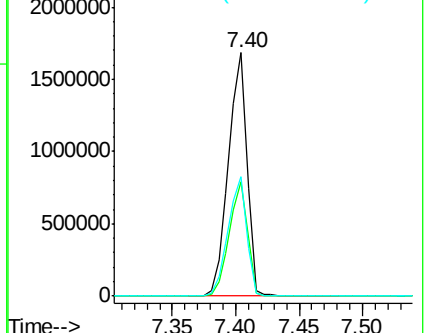
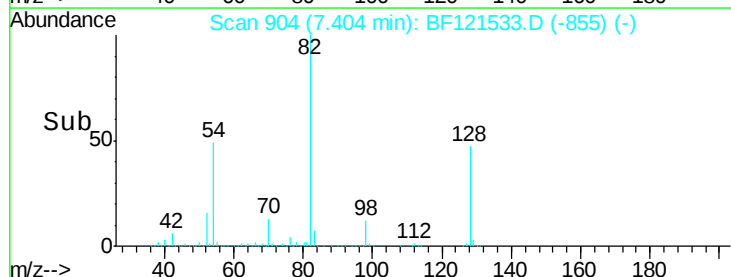
54 49.0 39.0 58.6

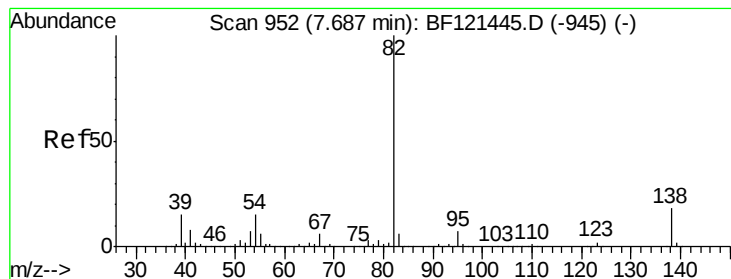


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.958 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF121533.D

Acq: 8 Sep 2020 21:02

Instrument :

BNA_F

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WC-PM-A1-0-4-C

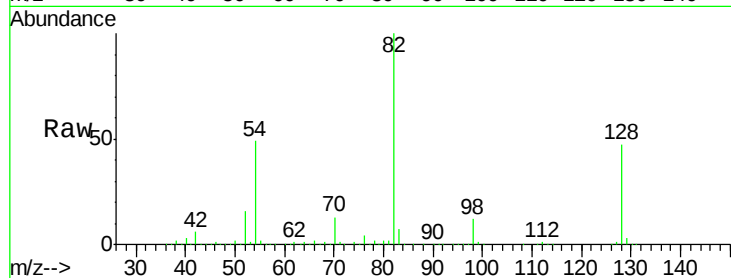
Tot Ion: 82 Resp: 1703298

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

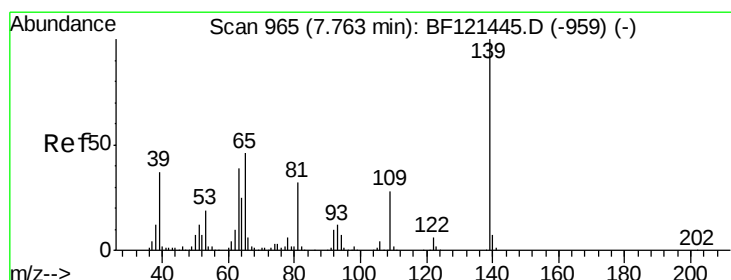
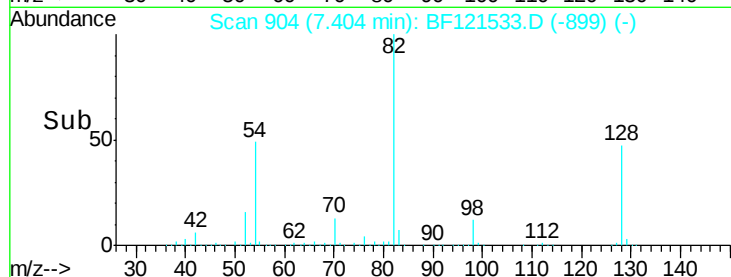
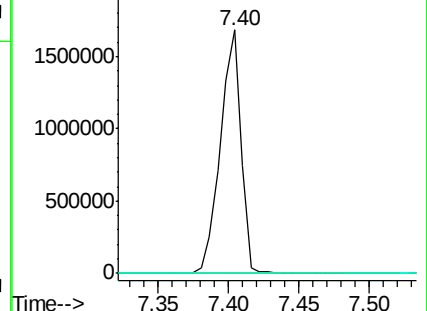
138 0.0 15.6 23.4#



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



#26

2-Nitrophenol

Concen: 4.822 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.24 min

Lab File: BF121533.D

Acq: 8 Sep 2020 21:02

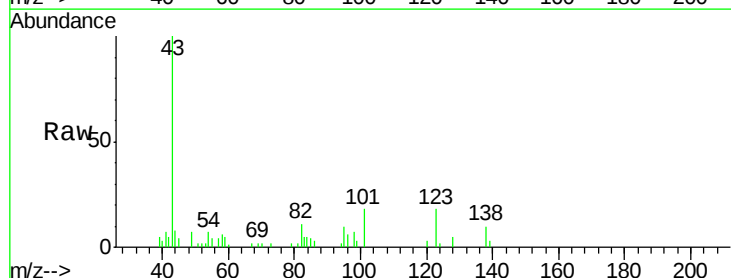
Tgt Ion: 139 Resp: 395

Ion Ratio Lower Upper

139 100

109 0.0 22.0 33.0#

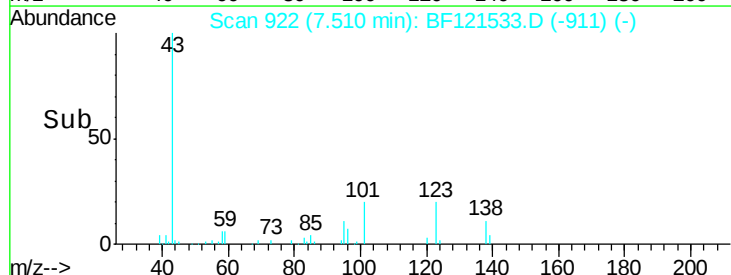
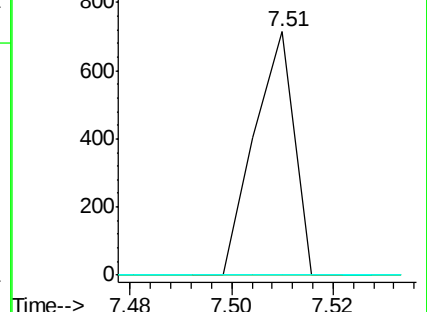
65 0.0 39.3 58.9#

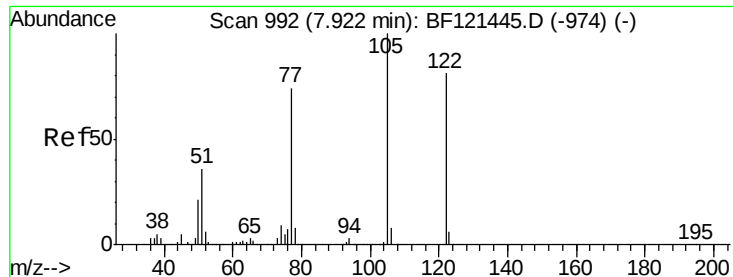


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

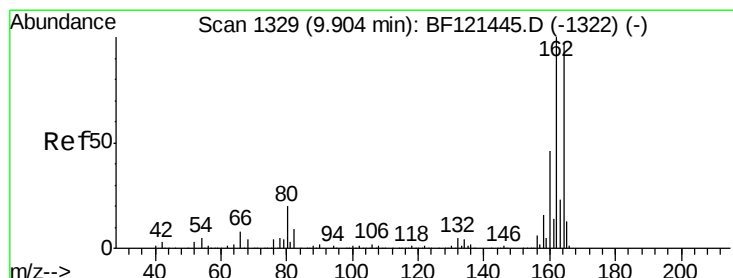
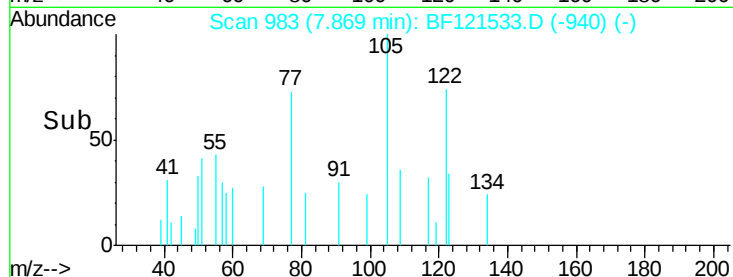
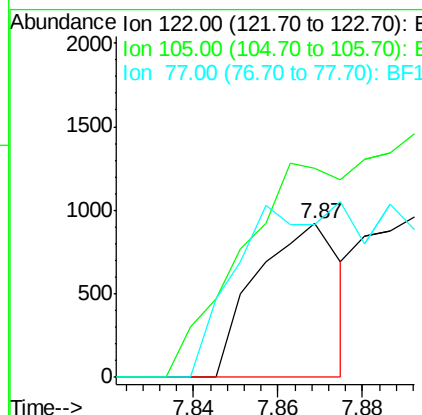
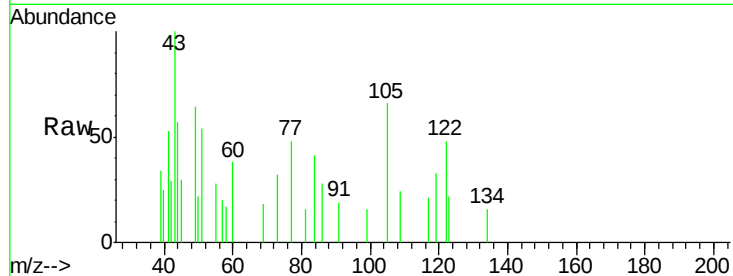




#32
Benzoic acid
Concen: 6.831 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.05 min
Lab File: BF121533.D
Acq: 8 Sep 2020 21:02

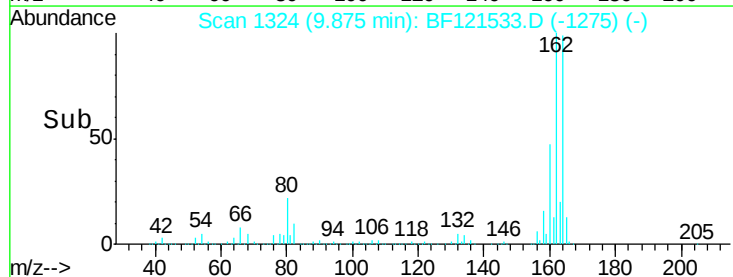
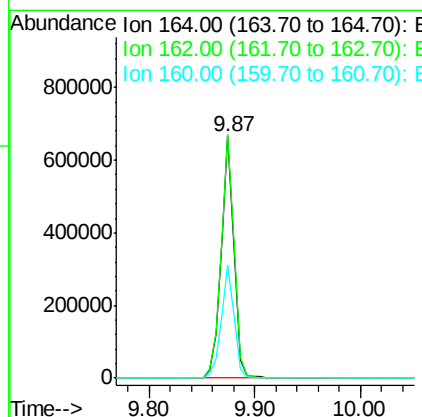
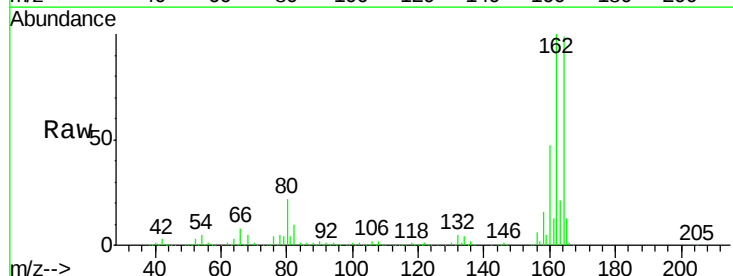
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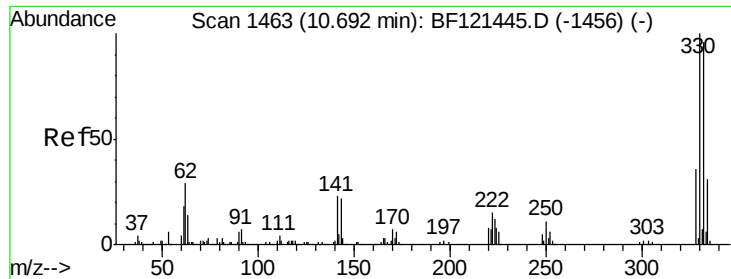
Tot Ion:122 Resp: 1272
Ion Ratio Lower Upper
122 100
105 135.6 102.2 142.2
77 99.3 69.8 109.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF121533.D
Acq: 8 Sep 2020 21:02

Tgt Ion:164 Resp: 584571
Ion Ratio Lower Upper
164 100
162 100.6 80.5 120.7
160 47.0 36.2 54.4

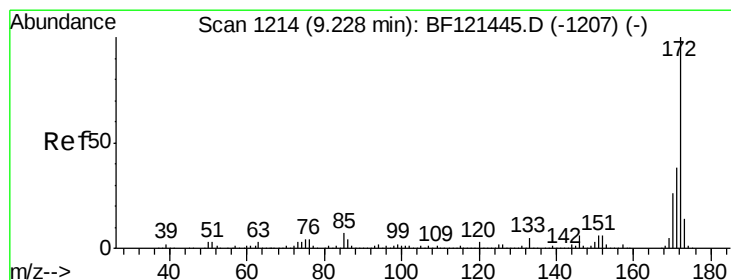
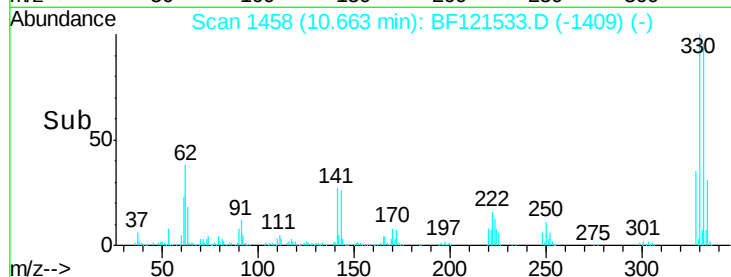
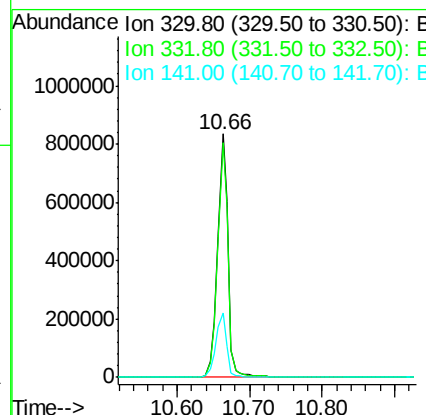
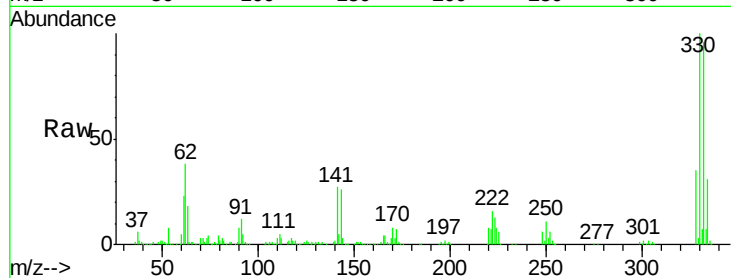




#42
 2,4,6-Tribromophenol
 Concen: 142.080 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF121533.D
 Acq: 8 Sep 2020 21:02

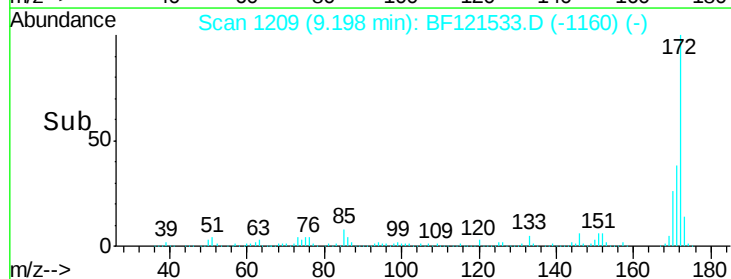
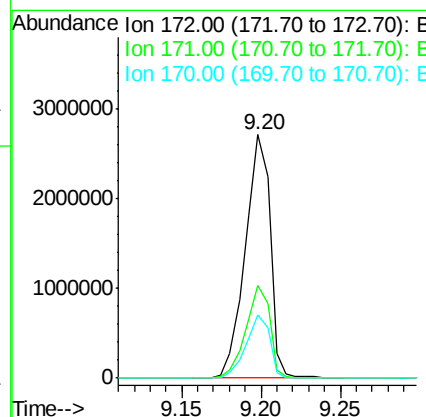
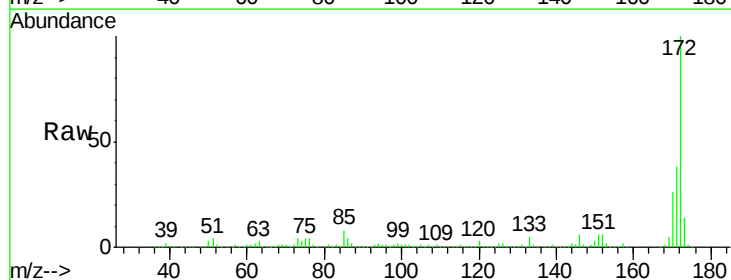
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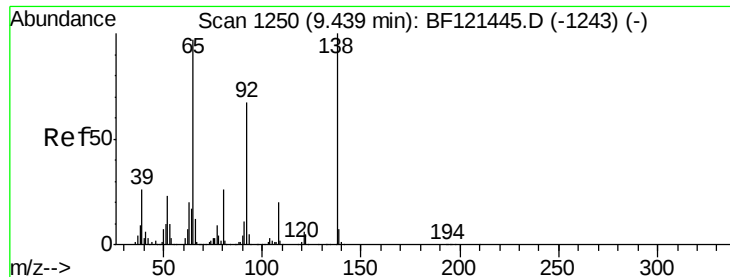
Tot Ion:330 Resp: 838910
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.2 114.2
 141 27.8 22.6 34.0



#45
 2-Fluorobiphenyl
 Concen: 81.467 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF121533.D
 Acq: 8 Sep 2020 21:02

Tgt Ion:172 Resp: 2951514
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.4 45.6
 170 25.9 20.7 31.1

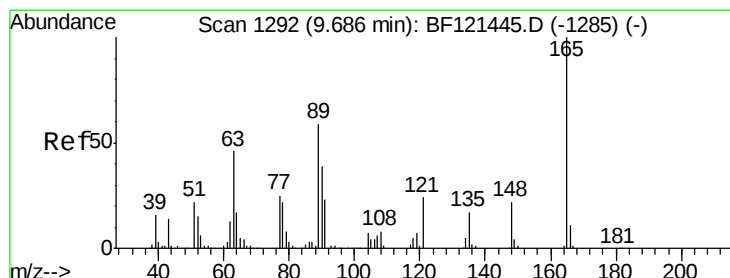
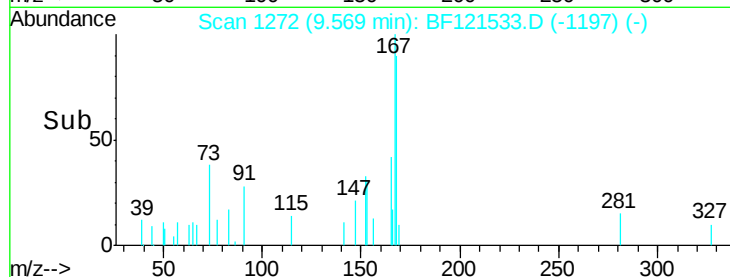
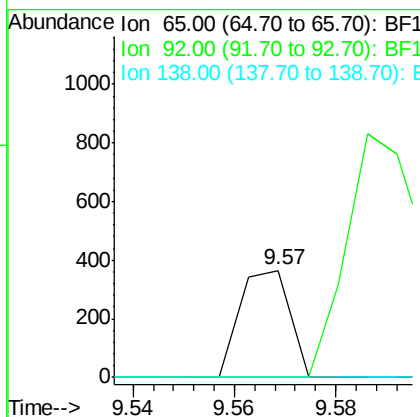
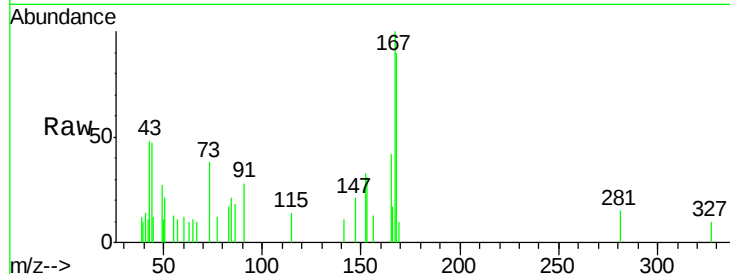




#48
 2-Nitroaniline
 Concen: 6.669 ng
 RT: 9.57 min Scan# 1272
 Delta R.T. 0.14 min
 Lab File: BF121533.D
 Acq: 8 Sep 2020 21:02

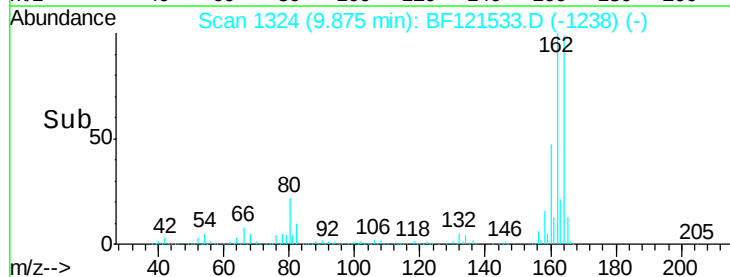
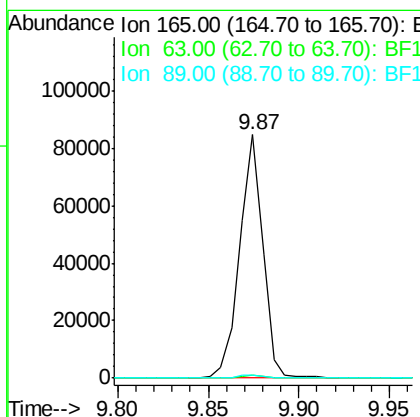
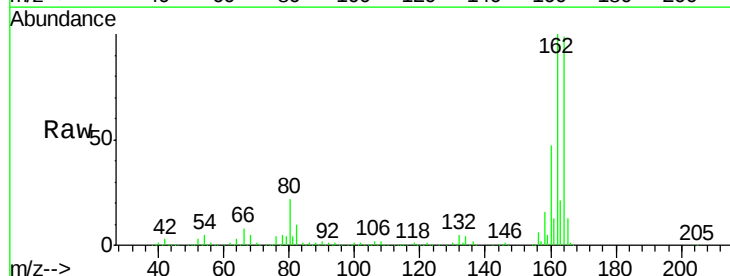
Instrument :
 BNA_F
 ClientSampleId :
 WC-PM-A1-0-4-C

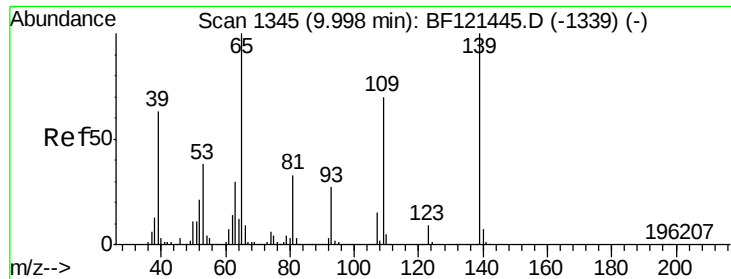
Tot Ion: 65 Resp: 250
 Ion Ratio Lower Upper
 65 100
 92 0.0 58.6 87.8#
 138 0.0 88.6 133.0#



#51
 2,6-Dinitrotoluene
 Concen: 15.082 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.21 min
 Lab File: BF121533.D
 Acq: 8 Sep 2020 21:02

Tgt Ion: 165 Resp: 75257
 Ion Ratio Lower Upper
 165 100
 63 1.1 47.4 71.0#
 89 1.3 47.9 71.9#





#56

4-Nitrophenol

Concen: 8.001 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.09 min

Lab File: BF121533.D

Acq: 8 Sep 2020 21:02

Instrument :

BNA_F

ClientSampleId :

WC-PM-A1-0-4-C

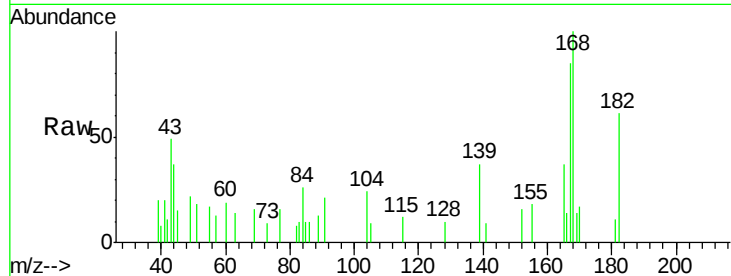
Tot Ion:139 Resp: 1246

Ion Ratio Lower Upper

139 100

109 0.0 44.3 84.3#

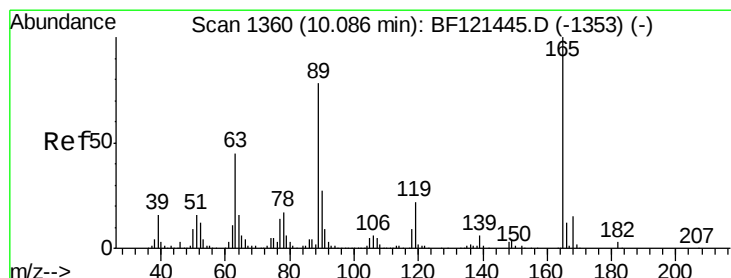
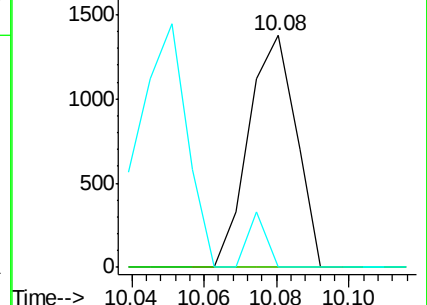
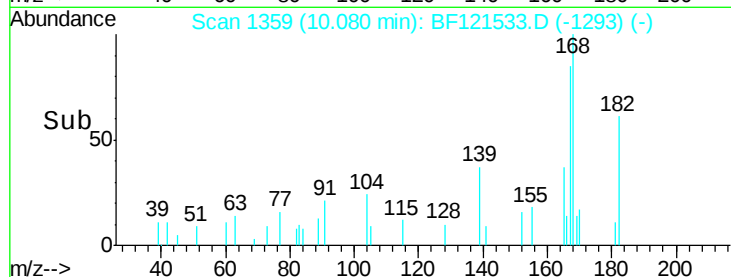
65 0.0 70.2 110.2#



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



#57

2,4-Dinitrotoluene

Concen: 14.168 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.20 min

Lab File: BF121533.D

Acq: 8 Sep 2020 21:02

Tgt Ion:165 Resp: 75257

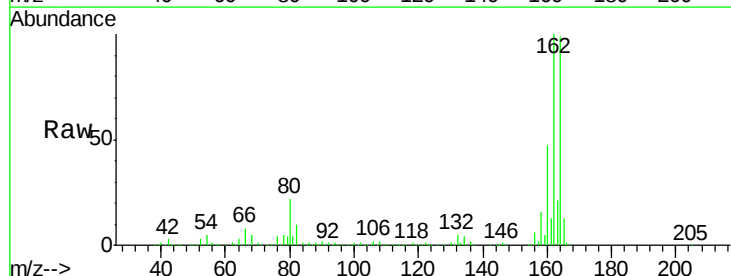
Ion Ratio Lower Upper

165 100

63 1.1 33.6 50.4#

89 1.3 56.4 84.6#

182 0.0 2.2 3.4#

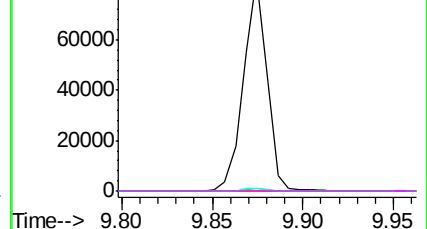
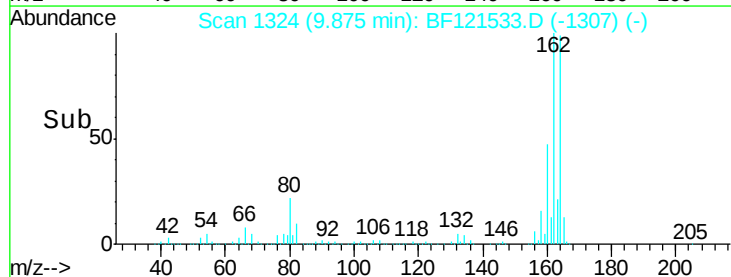


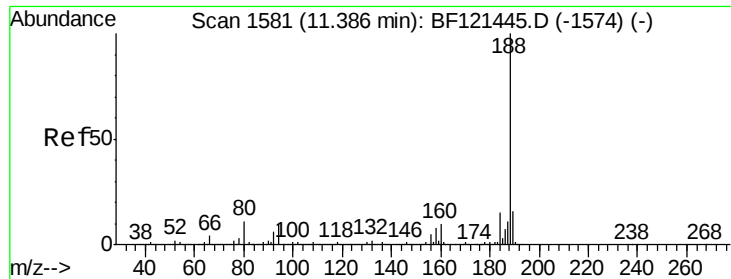
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF121533.D

Acq: 8 Sep 2020 21:02

Instrument :

BNA_F

ClientSampleId :

WC-PM-A1-0-4-C

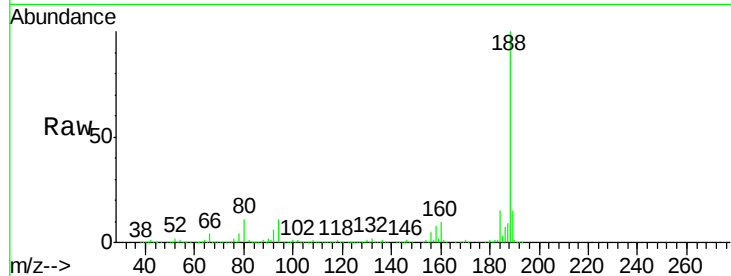
Tot Ion:188 Resp: 1115151

Ion Ratio Lower Upper

188 100

94 10.9 8.8 13.2

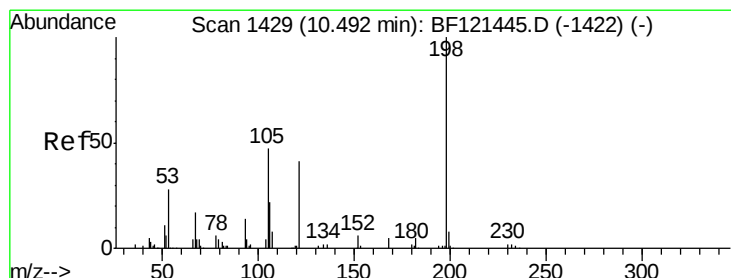
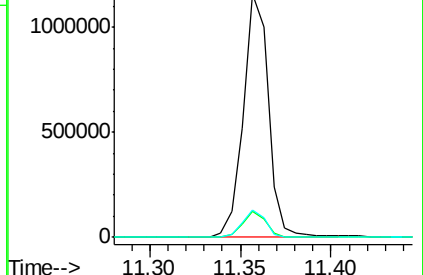
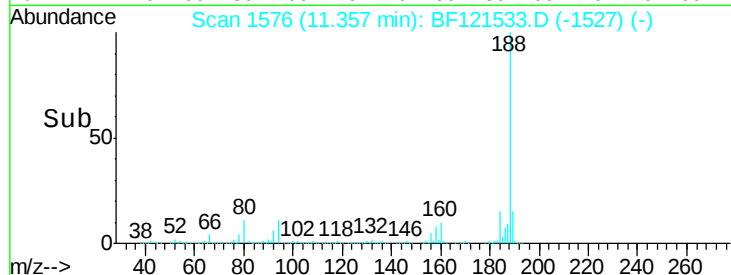
80 11.3 9.1 13.7



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: 6.294 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.18 min

Lab File: BF121533.D

Acq: 8 Sep 2020 21:02

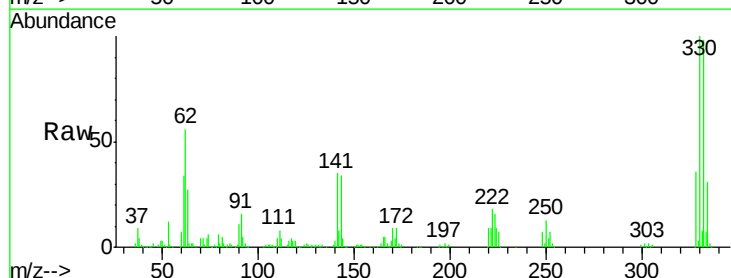
Tgt Ion:198 Resp: 1671

Ion Ratio Lower Upper

198 100

51 252.7 24.9 64.9#

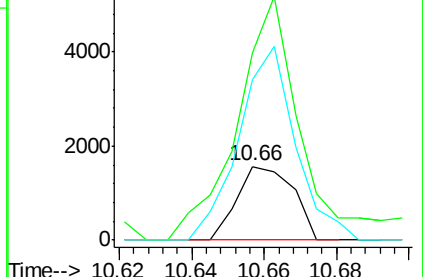
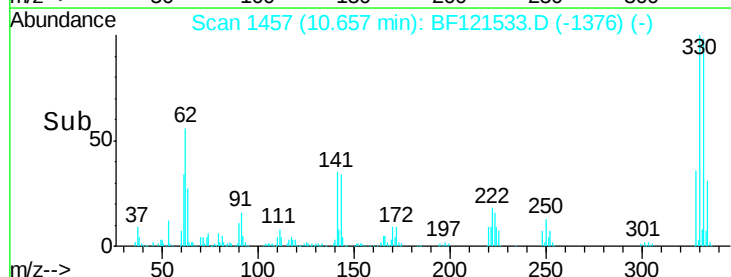
105 216.4 25.8 65.8#

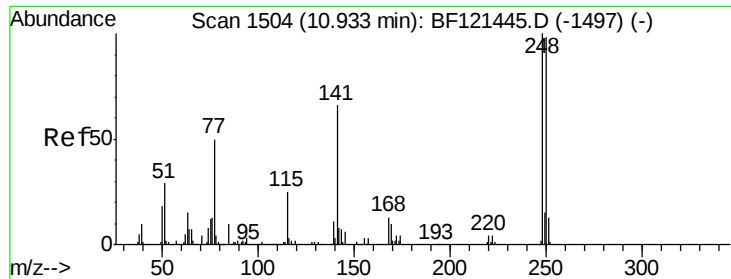


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

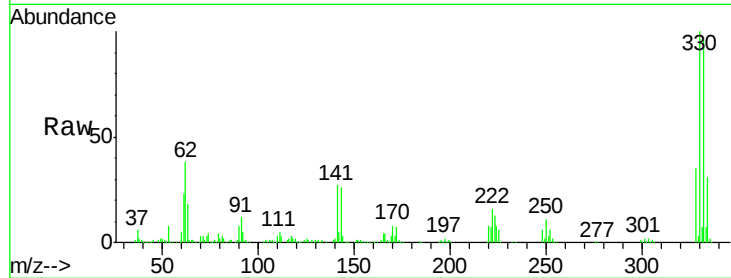




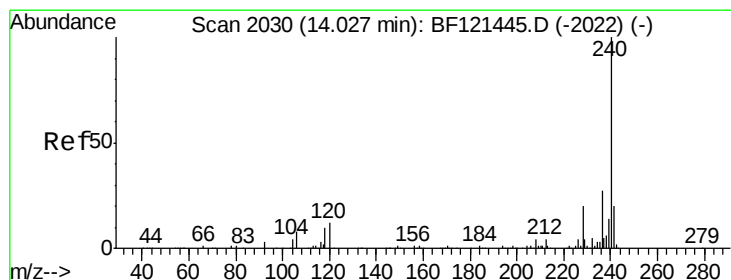
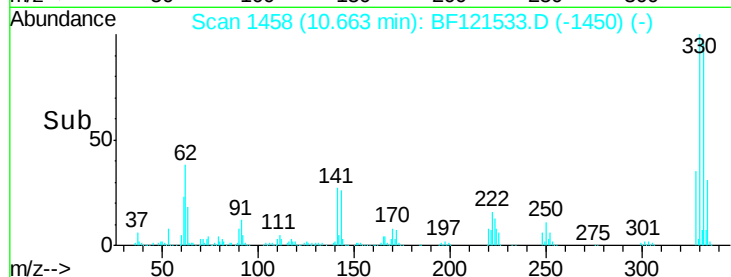
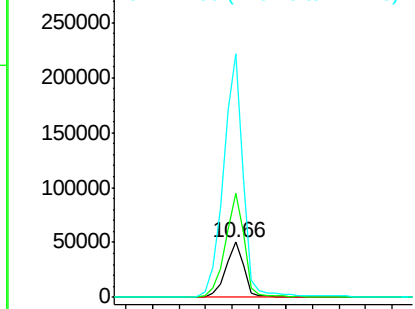
#67
4-Bromophenyl-phenylether
Concen: 4.017 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF121533.D
Acq: 8 Sep 2020 21:02

Instrument :
BNA_F
ClientSampleId :
WC-PM-A1-0-4-C

Tot Ion:248 Resp: 49276
Ion Ratio Lower Upper
248 100
250 189.6 77.8 116.6#
141 441.1 56.4 84.6#

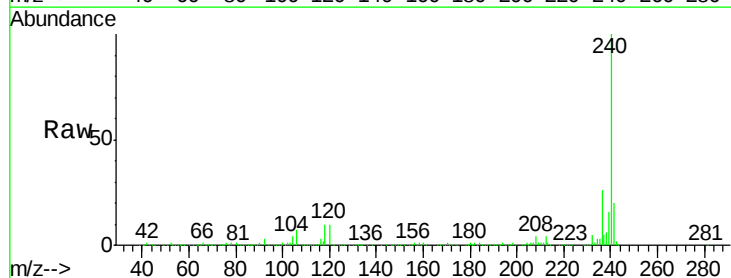


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

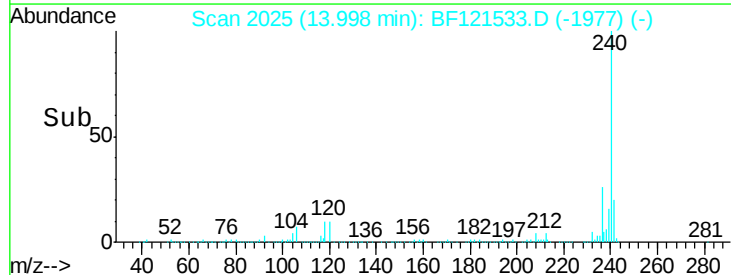
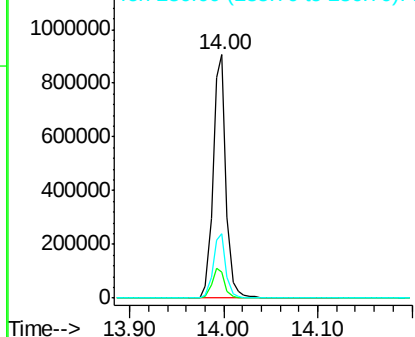


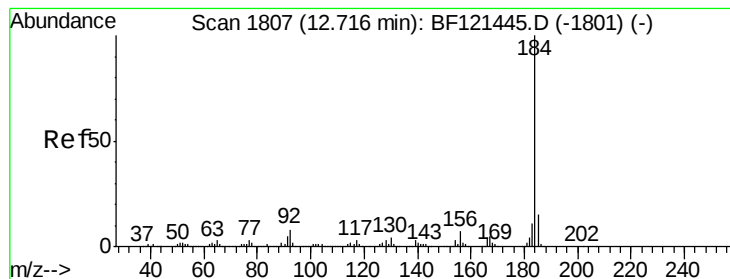
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF121533.D
Acq: 8 Sep 2020 21:02

Tgt Ion:240 Resp: 885549
Ion Ratio Lower Upper
240 100
120 10.5 8.0 12.0
236 26.4 21.4 32.2



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





#77

Benzidine

Concen: 2.230 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.25 min

Lab File: BF121533.D

Acq: 8 Sep 2020 21:02

Instrument :

BNA_F

ClientSampleId :

WC-PM-A1-0-4-C

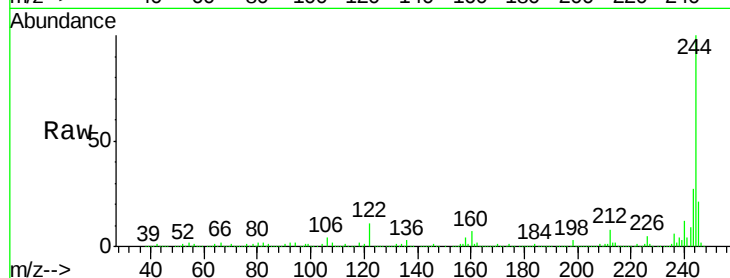
Tot Ion:184 Resp: 43074

Ion Ratio Lower Upper

184 100

185 16.9 11.5 17.3

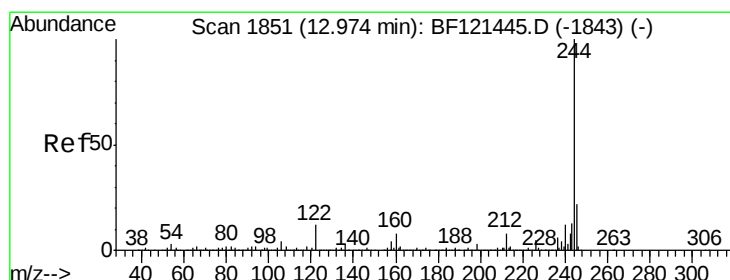
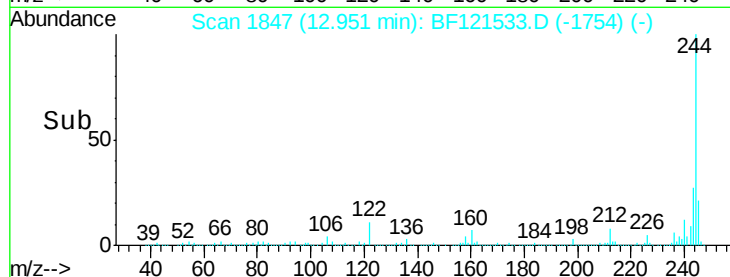
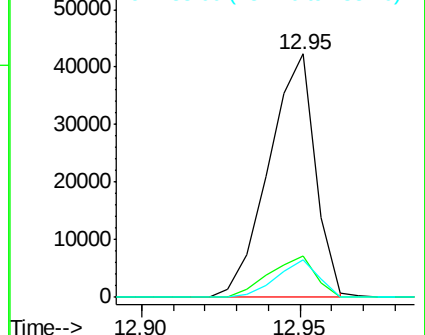
183 15.4 9.0 13.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 73.533 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF121533.D

Acq: 8 Sep 2020 21:02

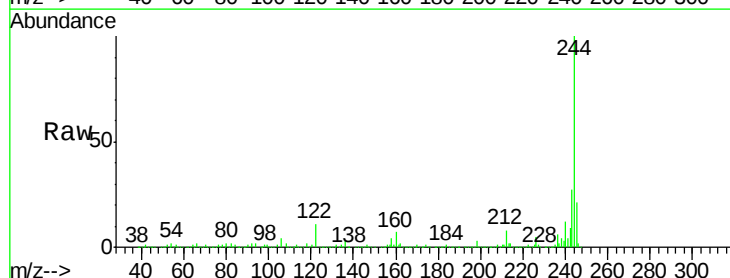
Tgt Ion:244 Resp: 3093511

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

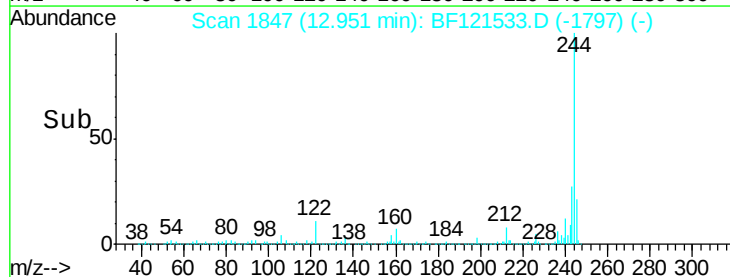
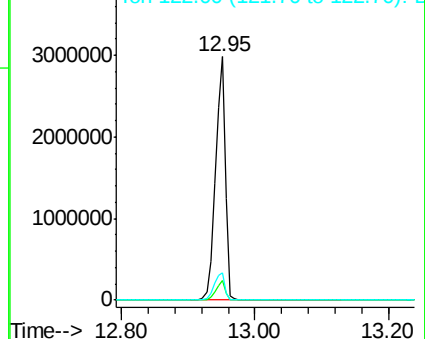
122 11.2 9.3 13.9

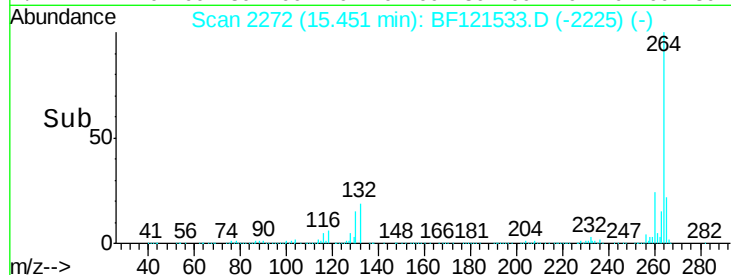
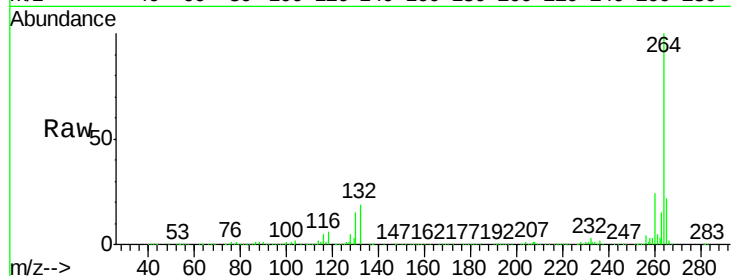
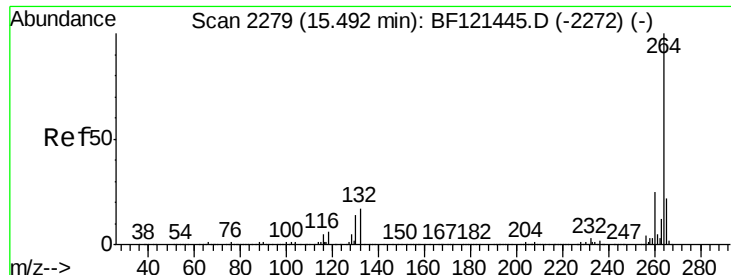


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF121533.D
Acq: 8 Sep 2020 21:02

Instrument :
BNA_F
ClientSampleId :
WC-PM-A1-0-4-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.7	29.5
265	22.1	17.4	26.2

