

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090820\
 Data File : BF121537.D
 Acq On : 8 Sep 2020 23:05
 Operator : JU/CG
 Sample : L3926-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BR-1

Quant Time: Sep 09 02:39:35 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	308310	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1169451	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	607623	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	1175232	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	993521	20.00	ng	-0.02
86) Perylene-d12	15.45	264	834883	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1815864	98.81	ng	0.00
7) Phenol-d6	6.47	99	2090718	81.41	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1687643	98.66	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	880524	143.47	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	2987984	79.35	ng	-0.01
79) Terphenyl-d14	12.95	244	3435206	72.78	ng	0.00

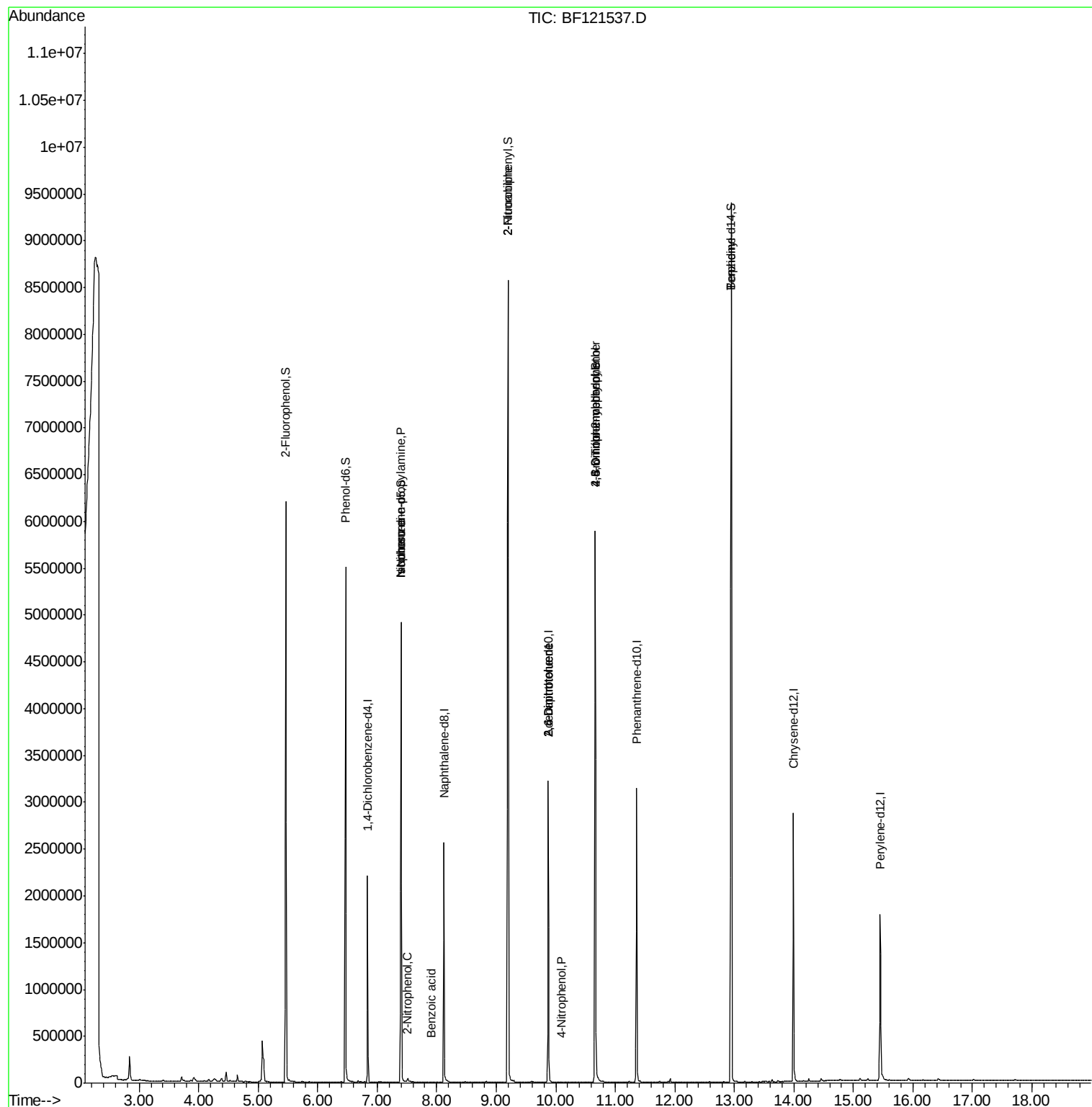
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	1326	Below Cal		96
19) n-Nitroso-di-n-propylamine	7.40	70	223446	15.570	ng	# 77
25) Isophorone	7.40	82	1674555	43.523	ng	# 63
26) 2-Nitrophenol	7.51	139	256	4.794	ng	# 35
32) Benzoic acid	7.92	122	491	6.723	ng	# 1
48) 2-Nitroaniline	9.20	65	5054	7.059	ng	# 1
51) 2,6-Dinitrotoluene	9.87	165	80915	15.379	ng	# 22
56) 4-Nitrophenol	10.08	139	118	7.870	ng	# 10
57) 2,4-Dinitrotoluene	9.87	165	80915	14.405	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.66	198	1592	6.208	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	49973	3.865	ng	# 1
77) Benzidine	12.95	184	47866	2.209	ng	# 91

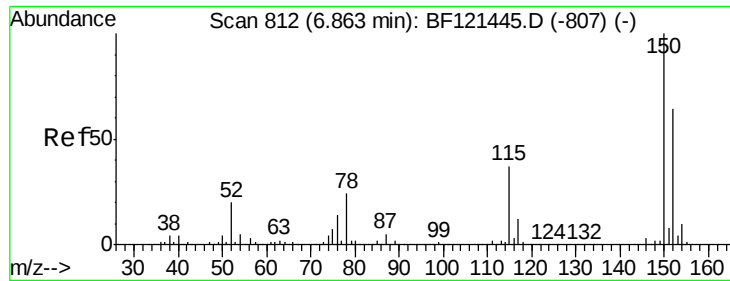
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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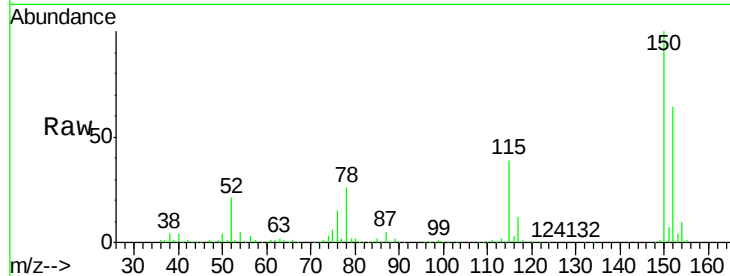




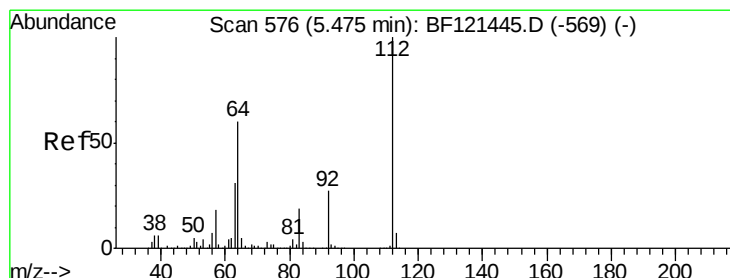
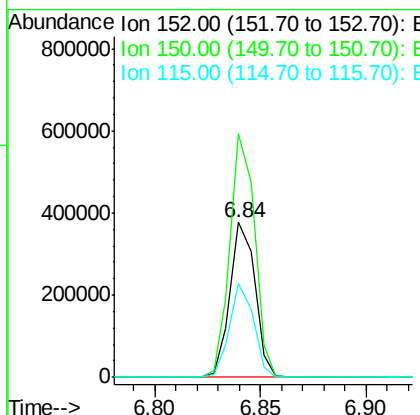
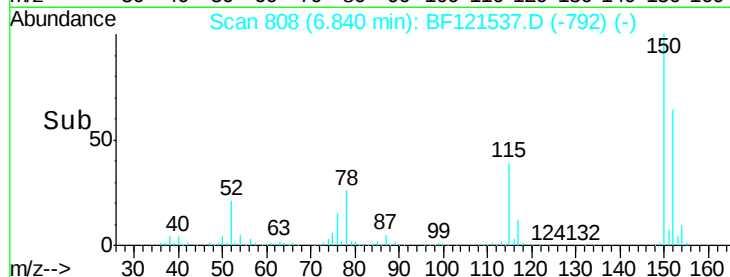
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF121537.D
 Acq: 8 Sep 2020 23:05

Instrument :
 BNA_F
 ClientSampleId :
 BR-1

Tot Ion:152 Resp: 308310
 Ion Ratio Lower Upper
 152 100
 150 157.0 126.1 189.1
 115 60.6 48.4 72.6

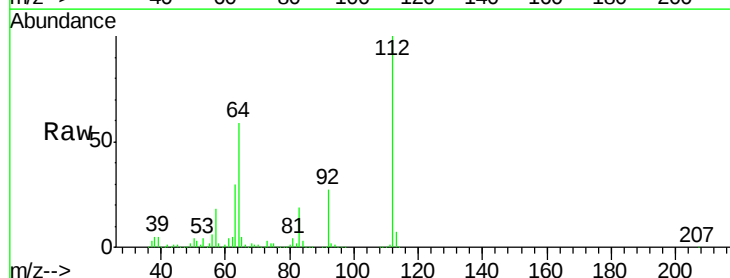


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

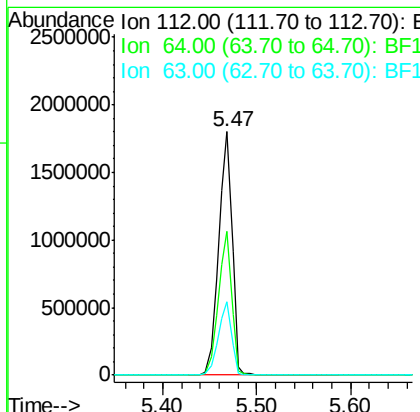
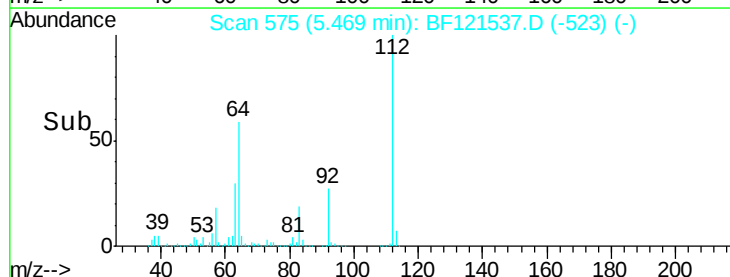


#5
 2-Fluorophenol
 Concen: 98.815 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF121537.D
 Acq: 8 Sep 2020 23:05

Tgt Ion:112 Resp: 1815864
 Ion Ratio Lower Upper
 112 100
 64 59.2 46.0 69.0
 63 30.0 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: 81.413 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF121537.D

Acq: 8 Sep 2020 23:05

Instrument :

BNA_F

ClientSampled :

BR-1

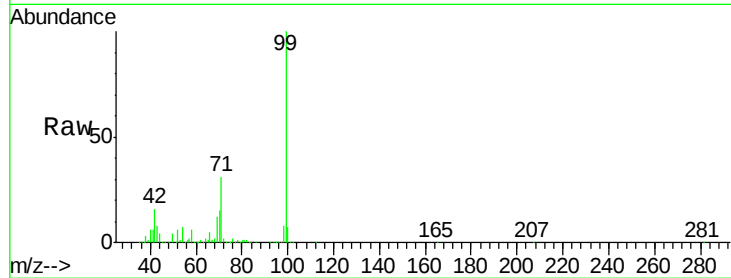
Tot Ion: 99 Resp: 2090718

Ion Ratio Lower Upper

99 100

42 16.3 13.0 19.4

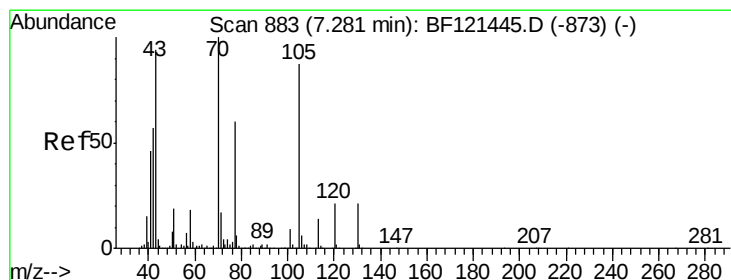
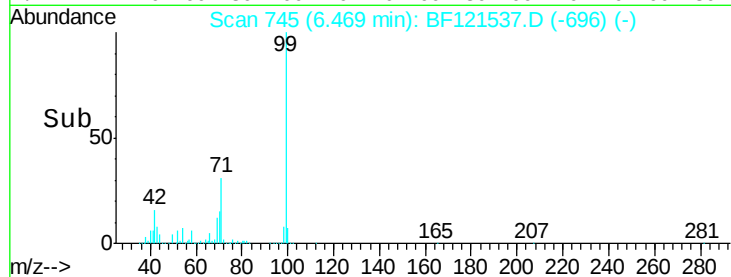
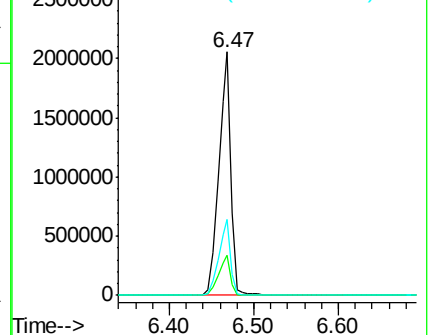
71 31.1 24.8 37.2



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: 15.570 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF121537.D

Acq: 8 Sep 2020 23:05

Tgt Ion: 70 Resp: 223446

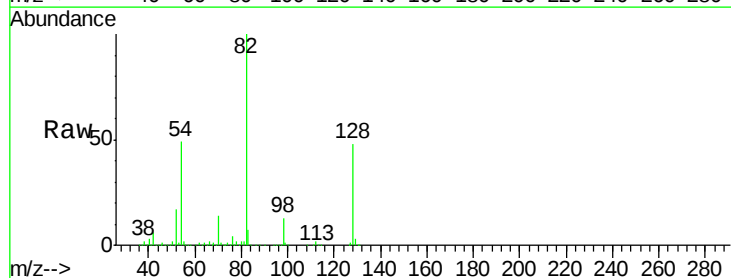
Ion Ratio Lower Upper

70 100

42 43.2 42.0 63.0

101 0.0 8.1 12.1#

130 2.2 18.3 27.5#

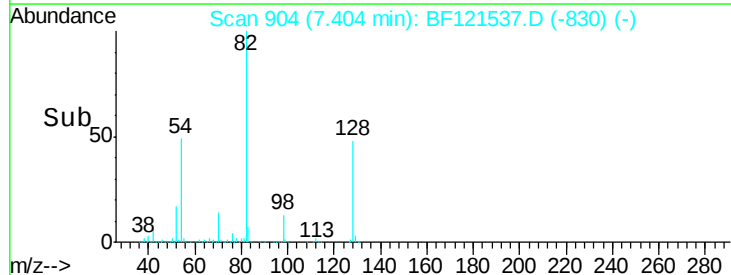
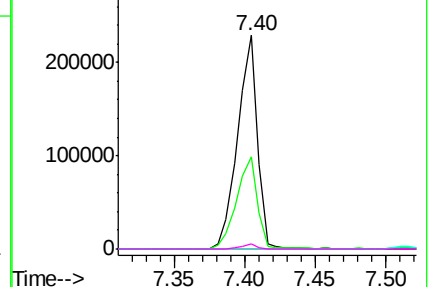


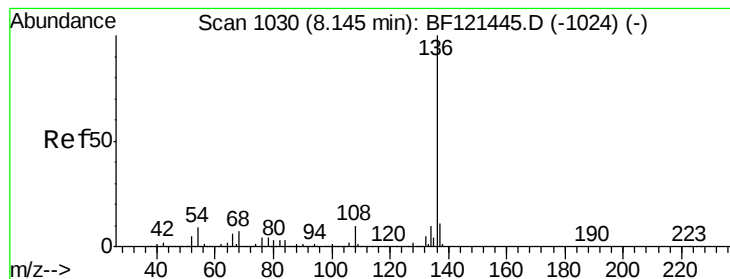
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF121537.D

Acq: 8 Sep 2020 23:05

Instrument :

BNA_F

ClientSampleId :

BR-1

Tot Ion:136 Resp: 1169451

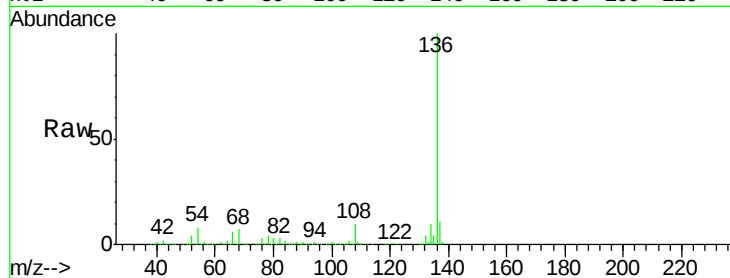
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 8.2 6.2 9.4

68 6.9 5.1 7.7

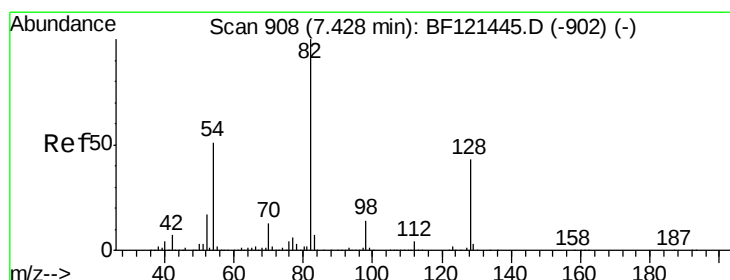
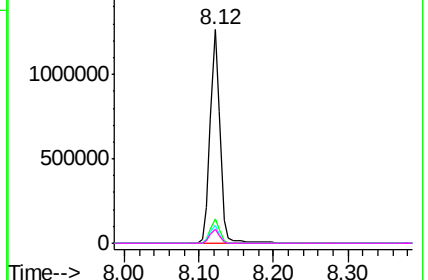
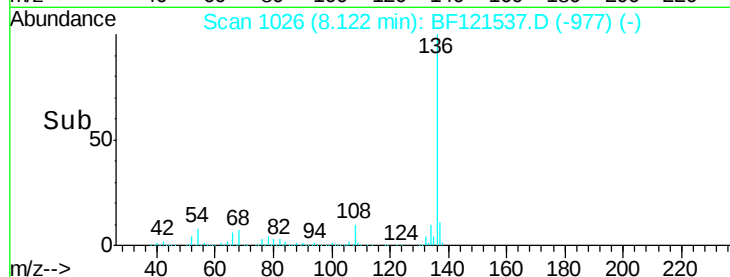


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.659 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF121537.D

Acq: 8 Sep 2020 23:05

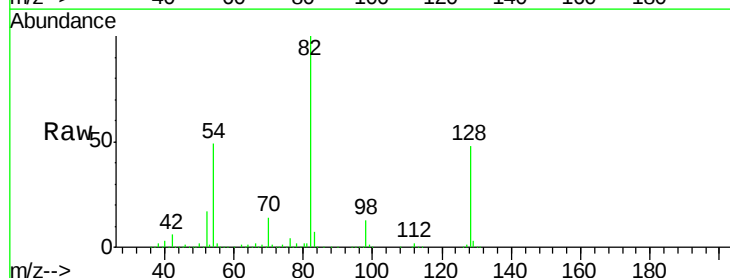
Tgt Ion: 82 Resp: 1687643

Ion Ratio Lower Upper

82 100

128 47.9 37.3 55.9

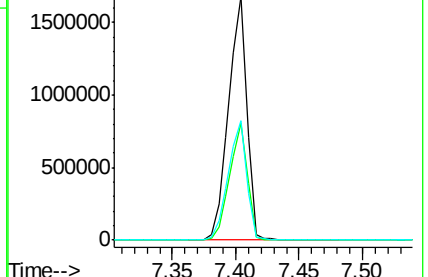
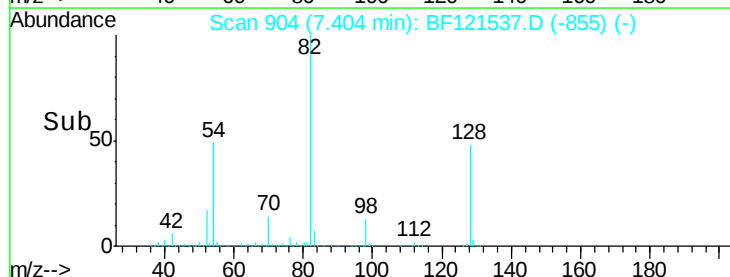
54 48.9 39.0 58.6

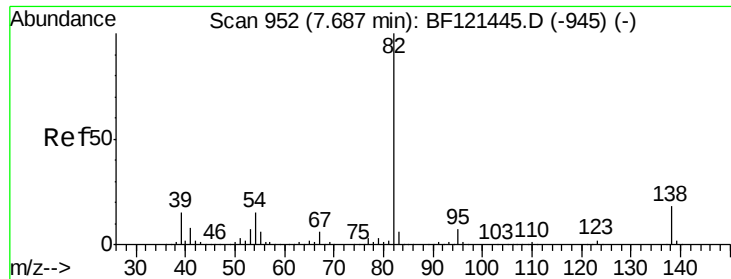


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.523 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF121537.D

Acq: 8 Sep 2020 23:05

Instrument :

BNA_F

ClientSampled :

BR-1

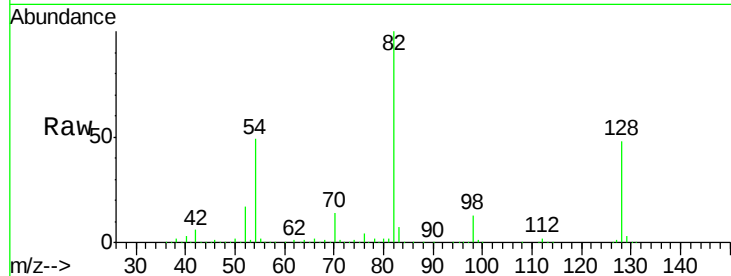
Tot Ion: 82 Resp: 1674555

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

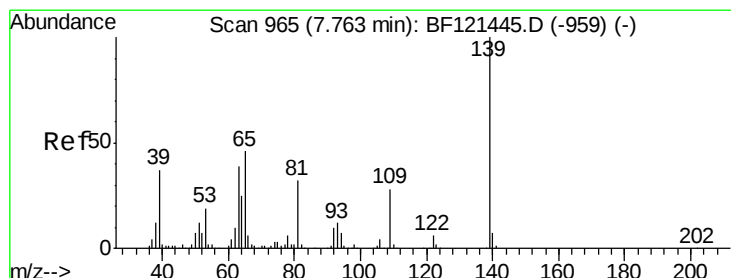
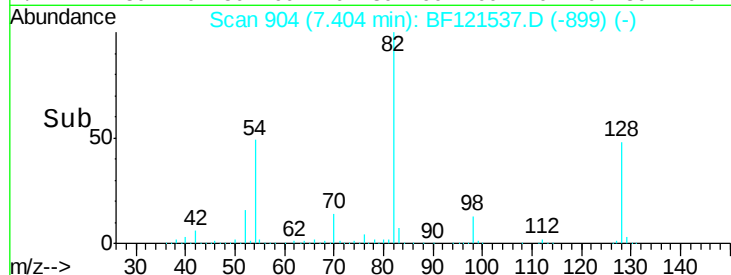
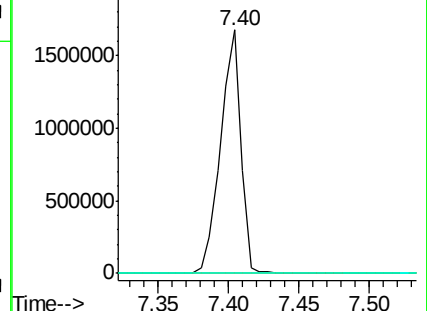
138 0.0 15.6 23.4#



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: 4.794 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.24 min

Lab File: BF121537.D

Acq: 8 Sep 2020 23:05

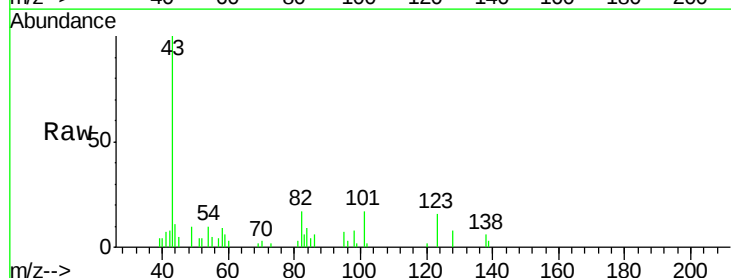
Tgt Ion: 139 Resp: 256

Ion Ratio Lower Upper

139 100

109 0.0 22.0 33.0#

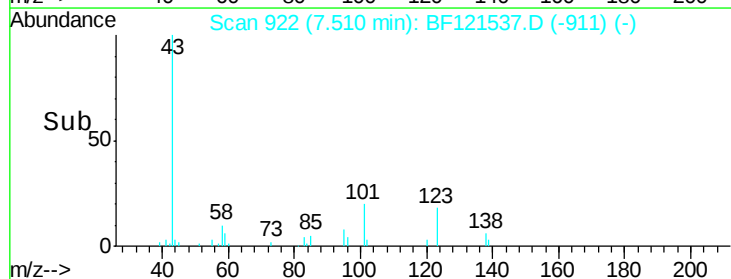
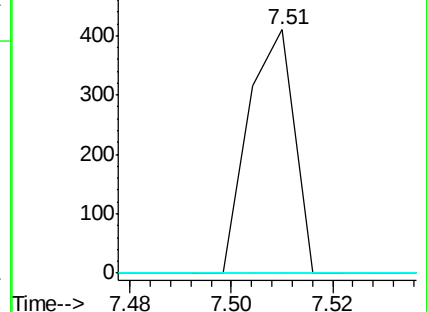
65 0.0 39.3 58.9#

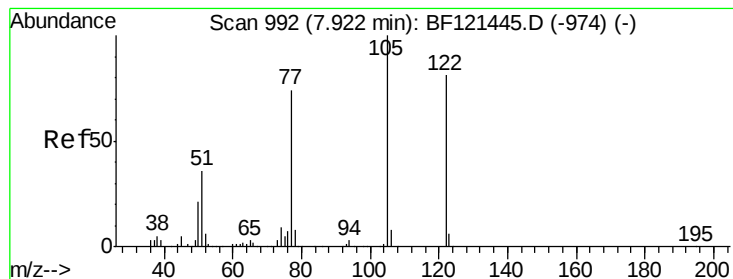


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#32

Benzoic acid

Concen: 6.723 ng

RT: 7.92 min Scan# 991

Delta R.T. 0.00 min

Lab File: BF121537.D

Acq: 8 Sep 2020 23:05

Instrument :

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ClientSampleId :

BR-1

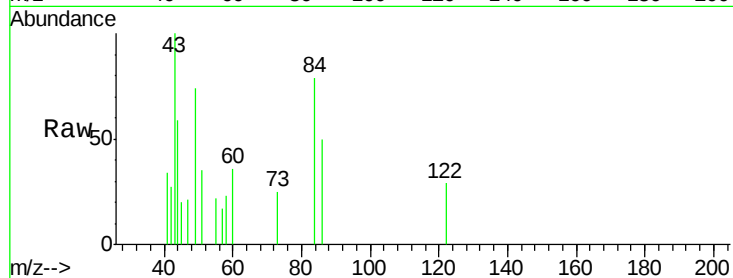
Tot Ion:122 Resp: 491

Ion Ratio Lower Upper

122 100

105 0.0 102.2 142.2#

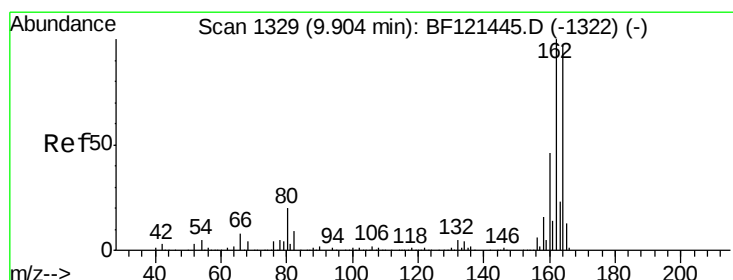
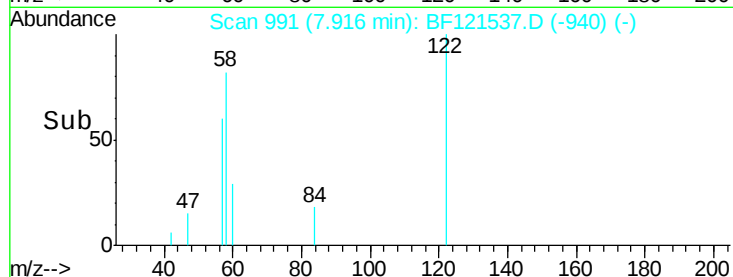
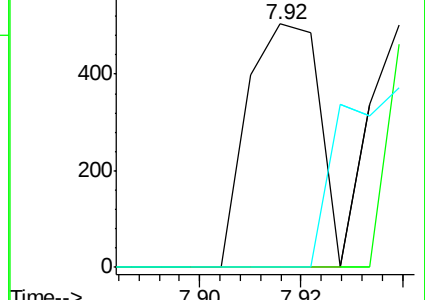
77 0.0 69.8 109.8#



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: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF121537.D

Acq: 8 Sep 2020 23:05

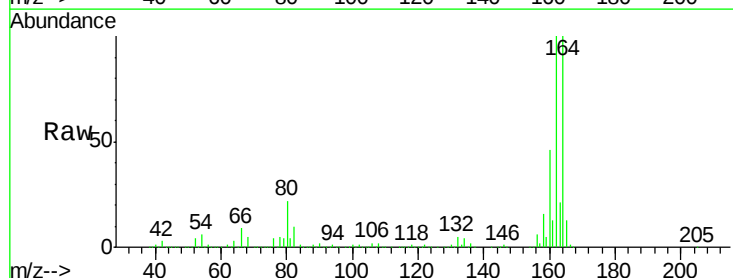
Tgt Ion:164 Resp: 607623

Ion Ratio Lower Upper

164 100

162 100.1 80.5 120.7

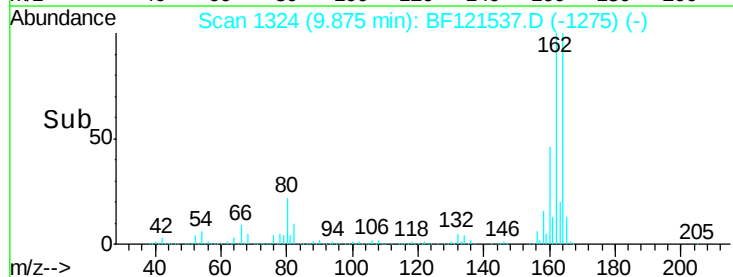
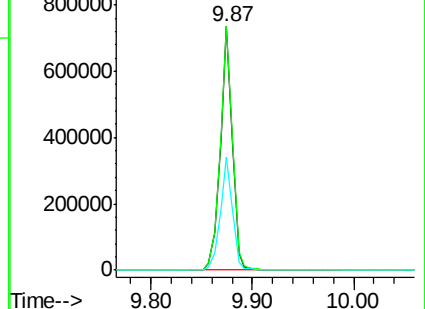
160 46.3 36.2 54.4

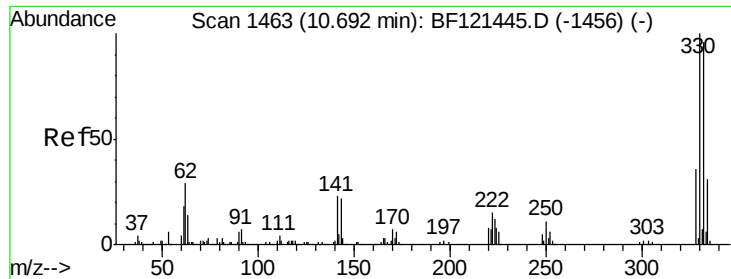


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

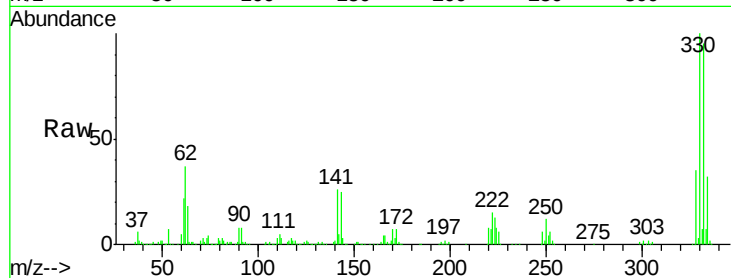




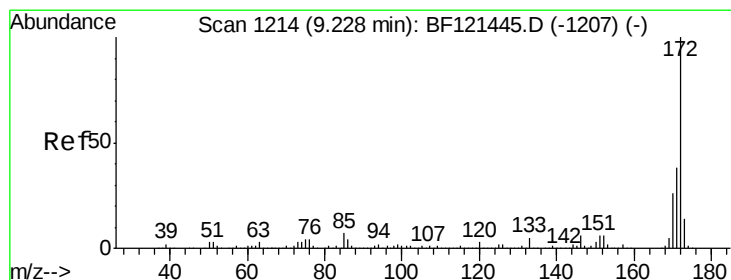
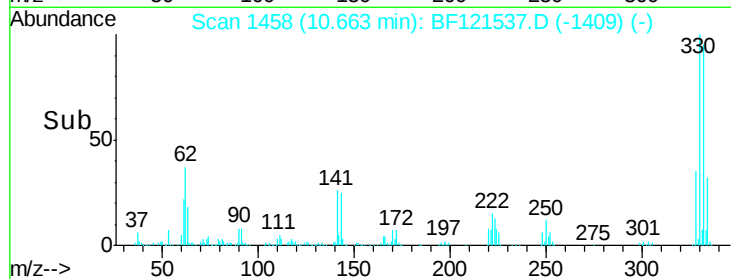
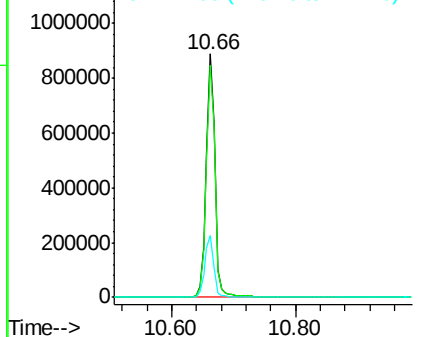
#42
 2,4,6-Tribromophenol
 Concen: 143.471 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF121537.D
 Acq: 8 Sep 2020 23:05

Instrument :
 BNA_F
 ClientSampled :
 BR-1

Tot Ion:330 Resp: 880524
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.2 114.2
 141 27.0 22.6 34.0

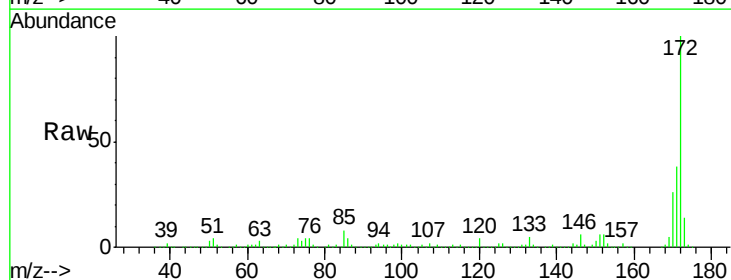


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

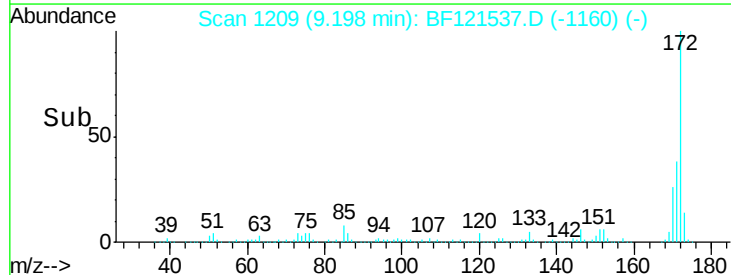
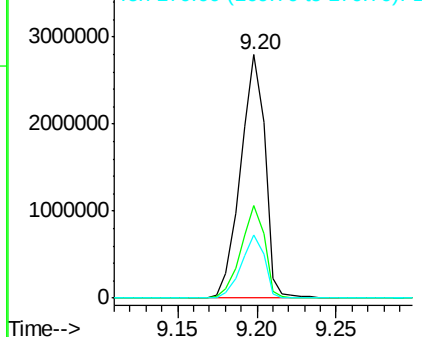


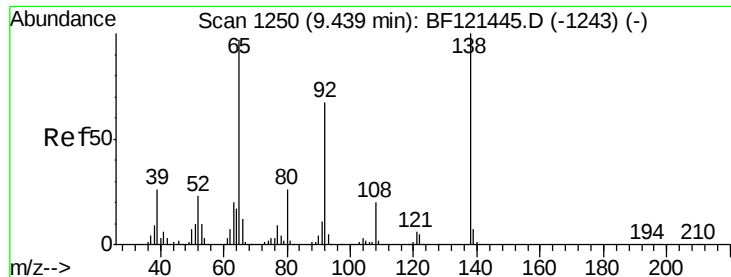
#45
 2-Fluorobiphenyl
 Concen: 79.345 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF121537.D
 Acq: 8 Sep 2020 23:05

Tgt Ion:172 Resp: 2987984
 Ion Ratio Lower Upper
 172 100
 171 38.0 30.4 45.6
 170 25.8 20.7 31.1



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

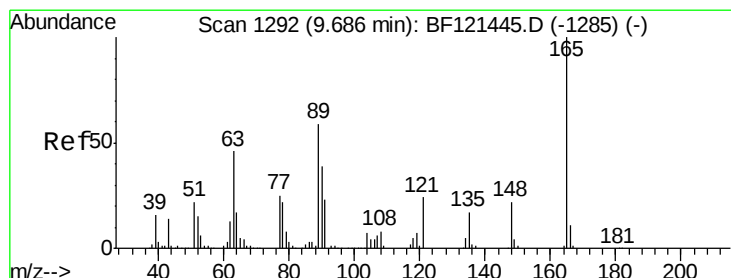
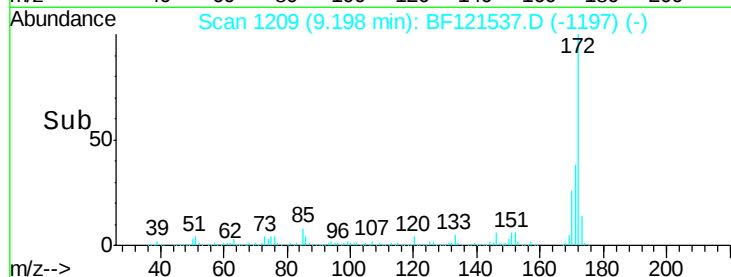
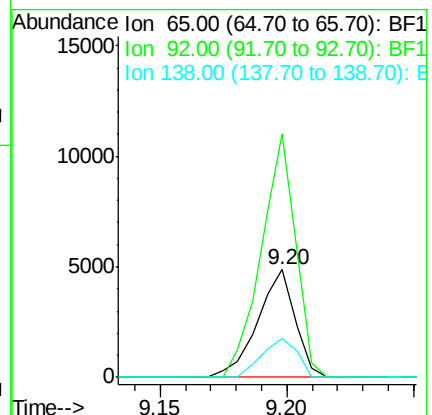
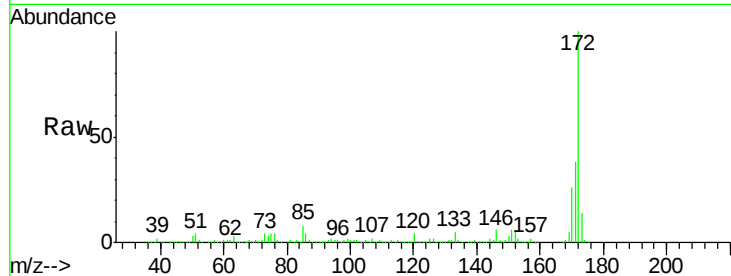




#48
2-Nitroaniline
Concen: 7.059 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.23 min
Lab File: BF121537.D
Acq: 8 Sep 2020 23:05

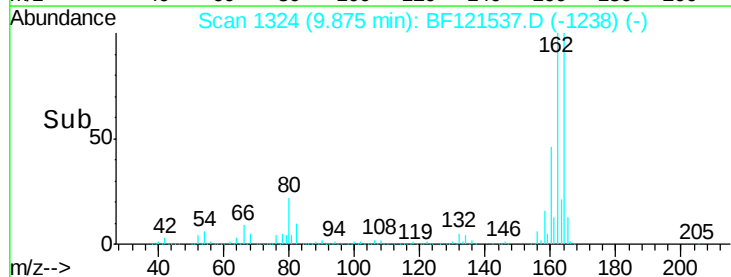
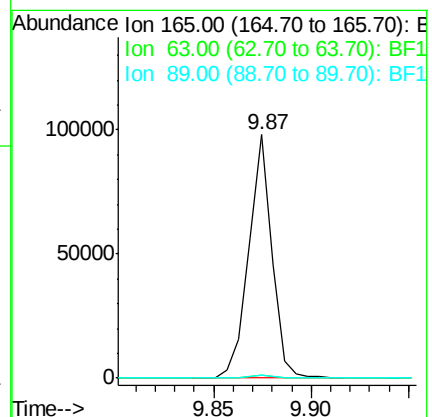
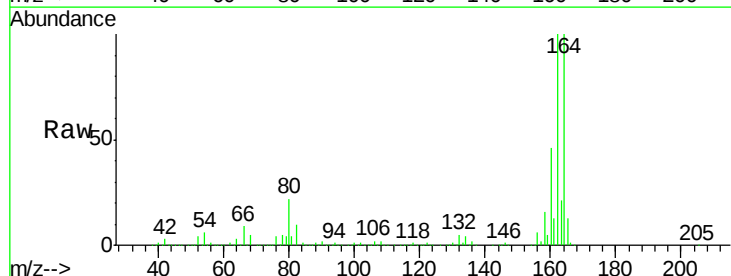
Instrument :
BNA_F
ClientSampled :
BR-1

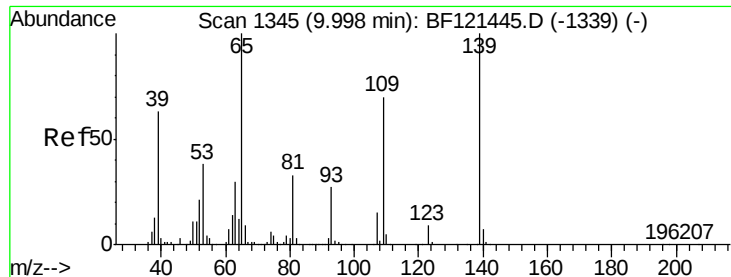
Tot Ion: 65 Resp: 5054
Ion Ratio Lower Upper
65 100
92 226.9 58.6 87.8#
138 36.4 88.6 133.0#



#51
2,6-Dinitrotoluene
Concen: 15.379 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.21 min
Lab File: BF121537.D
Acq: 8 Sep 2020 23:05

Tgt Ion:165 Resp: 80915
Ion Ratio Lower Upper
165 100
63 1.0 47.4 71.0#
89 1.3 47.9 71.9#

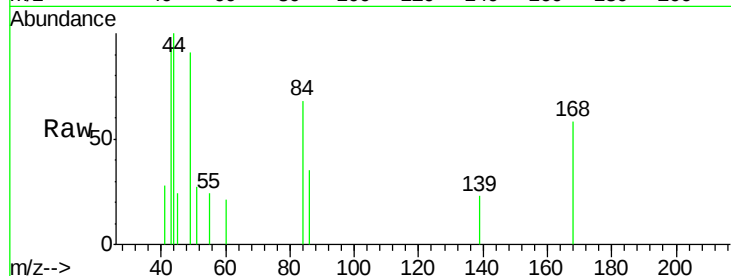




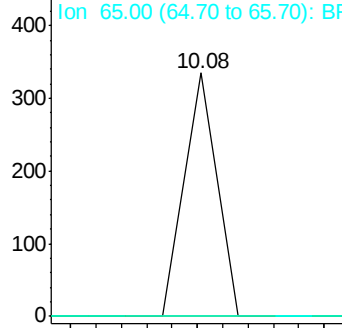
#56
4-Nitrophenol
Concen: 7.870 ng
RT: 10.08 min Scan# 1359
Delta R.T. 0.09 min
Lab File: BF121537.D
Acq: 8 Sep 2020 23:05

Instrument :
BNA_F
ClientSampleId :
BR-1

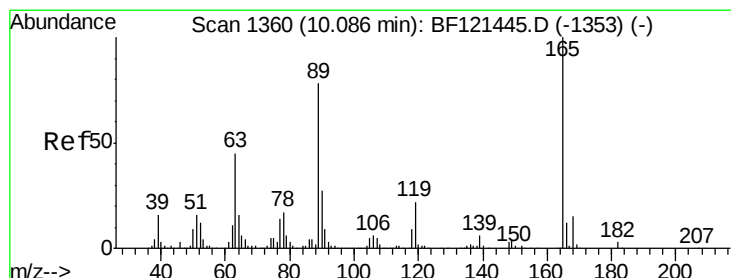
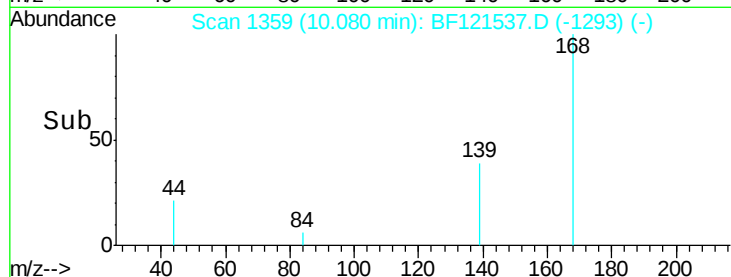
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	44.3	84.3#
65	0.0	70.2	110.2#



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



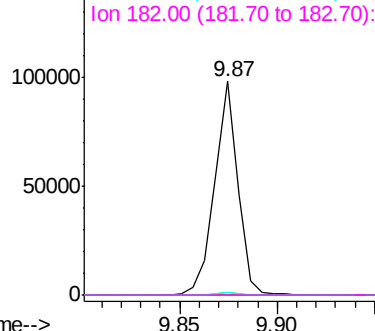
Time-->



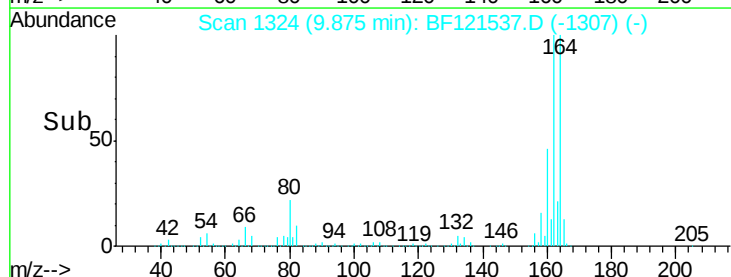
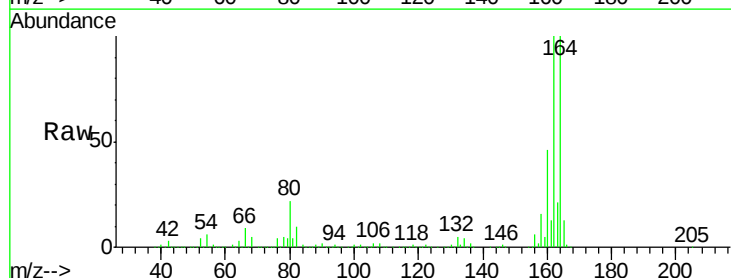
#57
2,4-Dinitrotoluene
Concen: 14.405 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.20 min
Lab File: BF121537.D
Acq: 8 Sep 2020 23:05

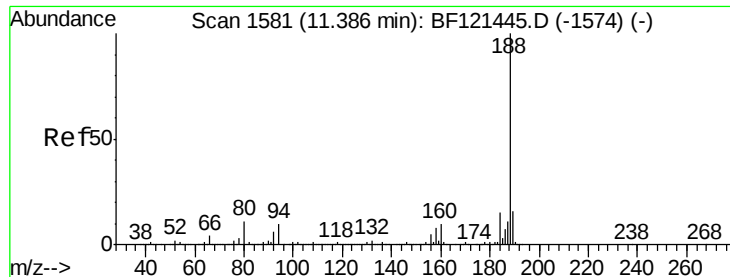
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	33.6	50.4#
89	1.3	56.4	84.6#
182	0.0	2.2	3.4#

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



Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF121537.D

Acq: 8 Sep 2020 23:05

Instrument :

BNA_F

ClientSampleId :

BR-1

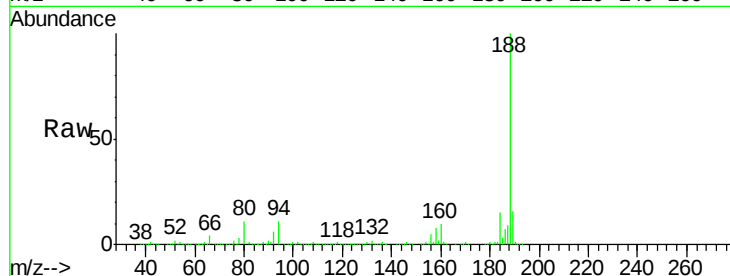
Tot Ion:188 Resp: 1175232

Ion Ratio Lower Upper

188 100

94 10.7 8.8 13.2

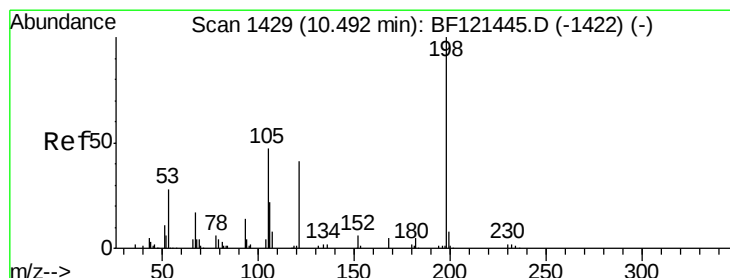
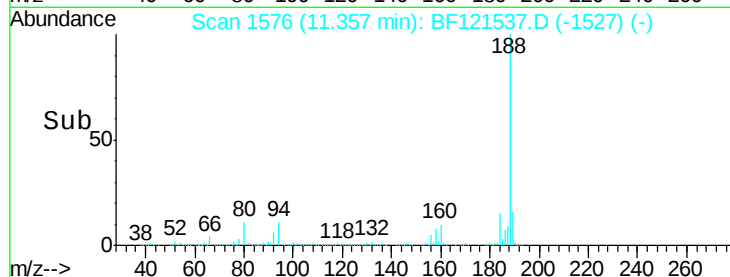
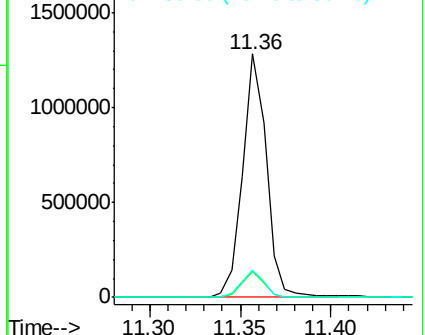
80 11.2 9.1 13.7



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: 6.208 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.18 min

Lab File: BF121537.D

Acq: 8 Sep 2020 23:05

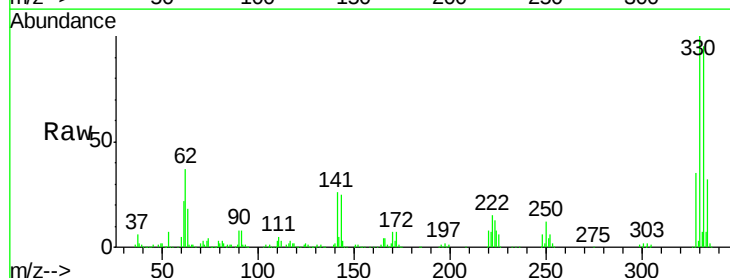
Tgt Ion:198 Resp: 1592

Ion Ratio Lower Upper

198 100

51 172.8 24.9 64.9#

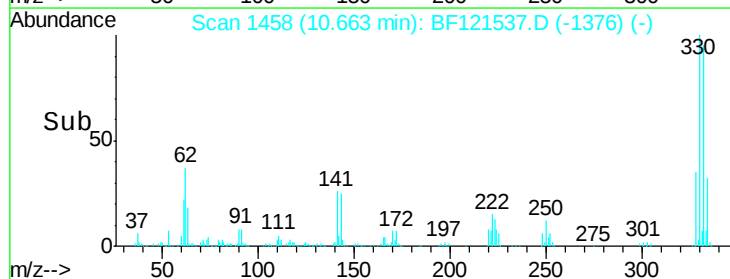
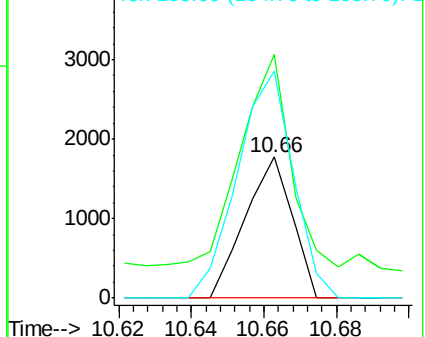
105 161.5 25.8 65.8#

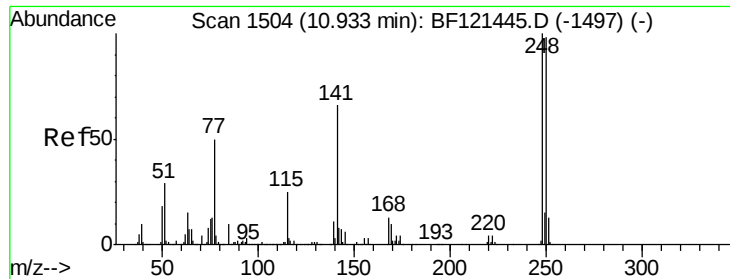


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

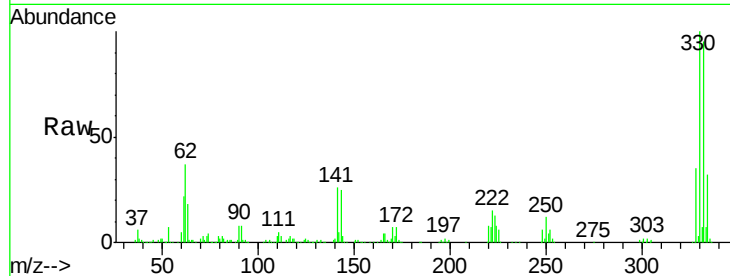




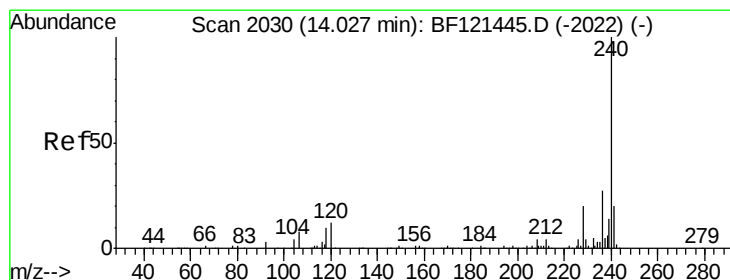
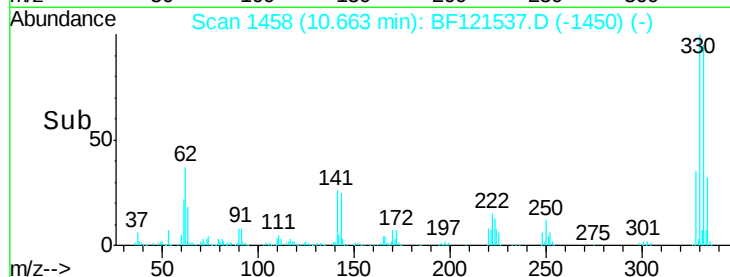
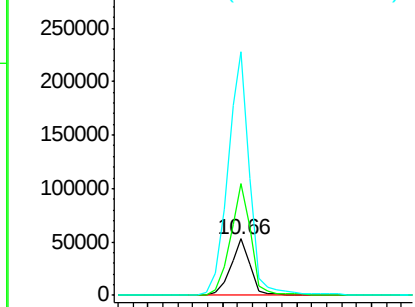
#67
4-Bromophenyl-phenylether
Concen: 3.865 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF121537.D
Acq: 8 Sep 2020 23:05

Instrument :
BNA_F
ClientSampled :
BR-1

Tot Ion:248 Resp: 49973
Ion Ratio Lower Upper
248 100
250 198.6 77.8 116.6#
141 433.5 56.4 84.6#

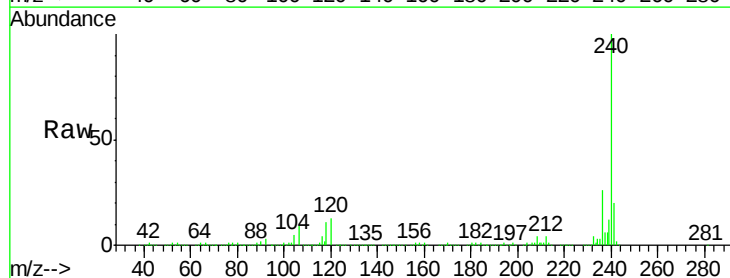


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

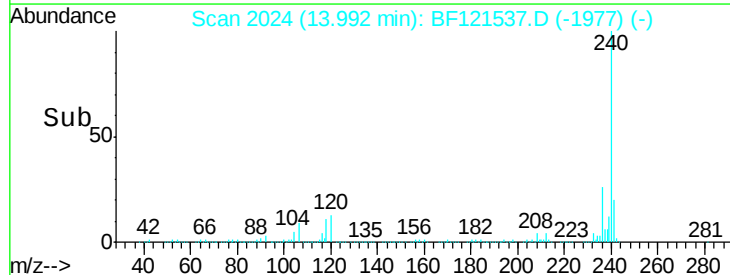
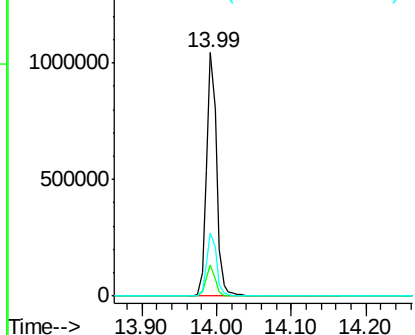


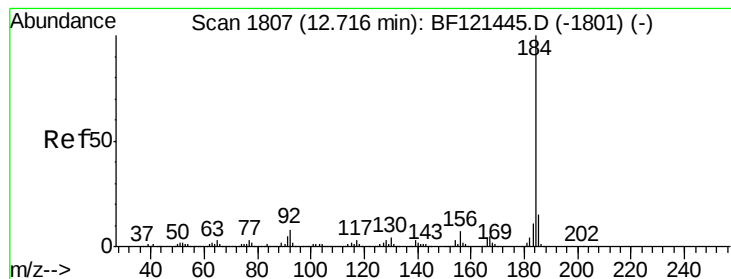
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF121537.D
Acq: 8 Sep 2020 23:05

Tgt Ion:240 Resp: 993521
Ion Ratio Lower Upper
240 100
120 12.5 8.0 12.0#
236 26.1 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: 2.209 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.25 min

Lab File: BF121537.D

Acq: 8 Sep 2020 23:05

Instrument :

BNA_F

ClientSampled :

BR-1

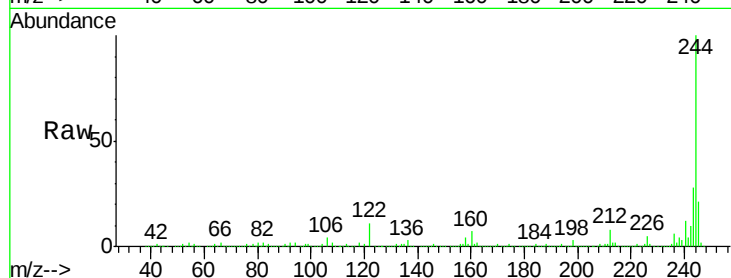
Tot Ion:184 Resp: 47866

Ion Ratio Lower Upper

184 100

185 17.4 11.5 17.3#

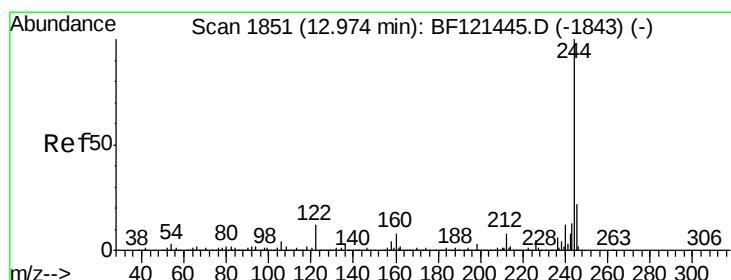
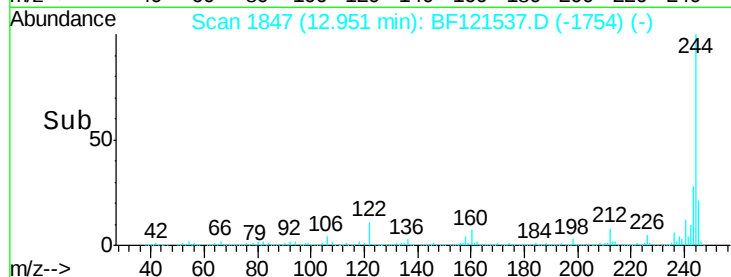
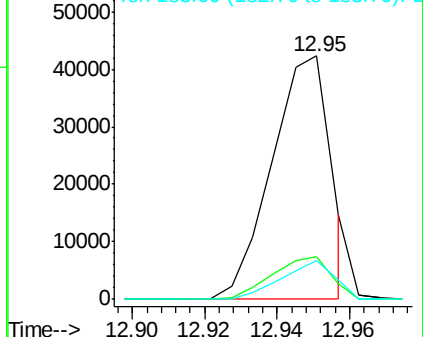
183 15.9 9.0 13.6#



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: 72.781 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF121537.D

Acq: 8 Sep 2020 23:05

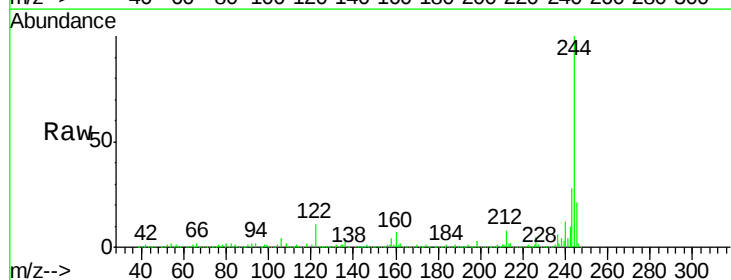
Tgt Ion:244 Resp: 3435206

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

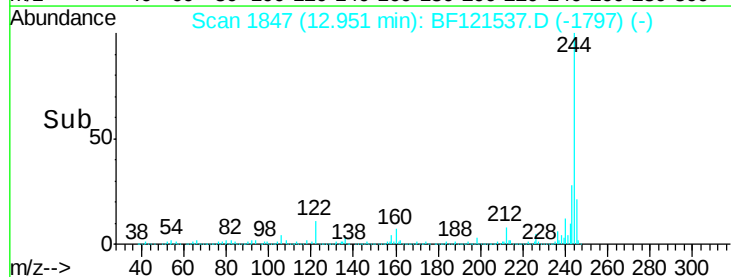
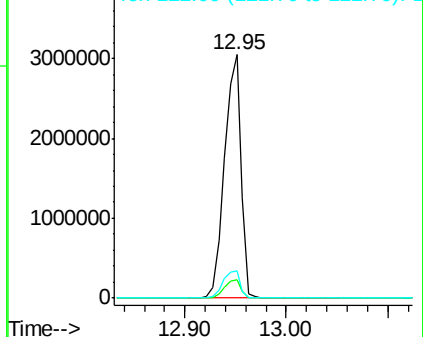
122 11.0 9.3 13.9

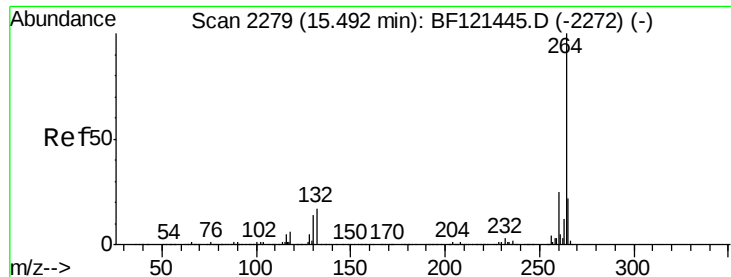


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF121537.D
Acq: 8 Sep 2020 23:05

Instrument :
BNA_F
ClientSampleId :
BR-1

Tot Ion: 264 Resp: 834883

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	21.9	17.4	26.2

