

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090820\
 Data File : BF121529.D
 Acq On : 8 Sep 2020 18:58
 Operator : JU/CG
 Sample : L3864-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-090320

Quant Time: Sep 09 02:35:37 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	334552	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1276906	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	664758	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	1276843	20.00	ng	0.00
76) Chrysene-d12	14.00	240	1098200	20.00	ng	-0.02
86) Perylene-d12	15.46	264	970949	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	2007057	100.65	ng	0.01
7) Phenol-d6	6.47	99	2436433	87.43	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1817344	97.30	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	953630	142.03	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	3186084	77.33	ng	-0.01
79) Terphenyl-d14	12.95	244	3557723	68.19	ng	0.00

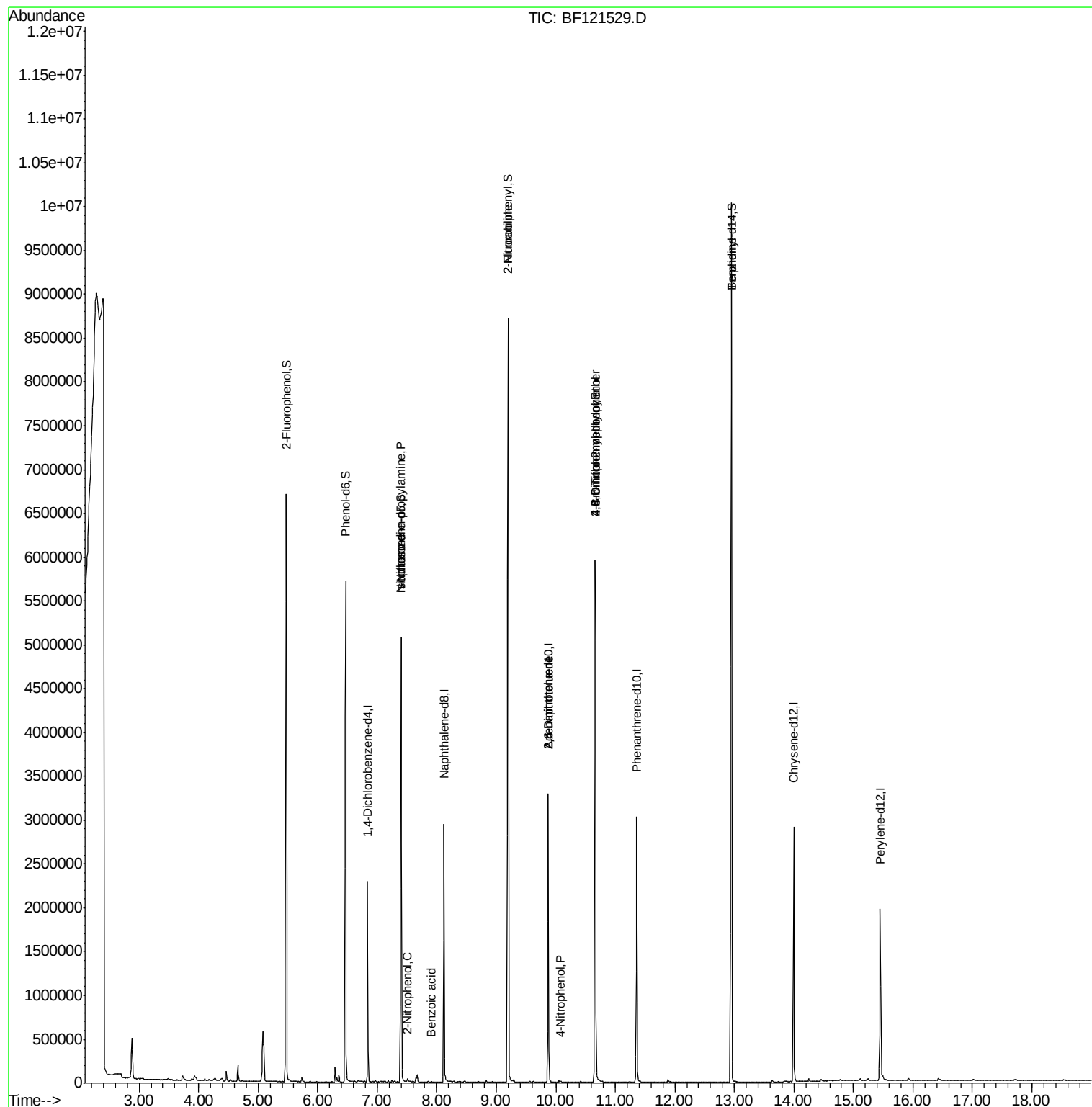
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	269	Below Cal		# 51
19) n-Nitroso-di-n-propylamine	7.40	70	241476	15.506	ng	# 78
25) Isophorone	7.40	82	1806619	43.004	ng	# 63
26) 2-Nitrophenol	7.51	139	186	4.778	ng	# 35
32) Benzoic acid	7.90	122	1643	6.854	ng	# 49
48) 2-Nitroaniline	9.20	65	5188	7.034	ng	# 1
51) 2,6-Dinitrotoluene	9.87	165	86662	15.191	ng	# 23
56) 4-Nitrophenol	10.08	139	689	7.927	ng	# 10
57) 2,4-Dinitrotoluene	9.87	165	86662	14.255	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.66	198	1759	6.222	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	54541	3.883	ng	# 1
77) Benzidine	12.95	184	50479	2.108	ng	# 94

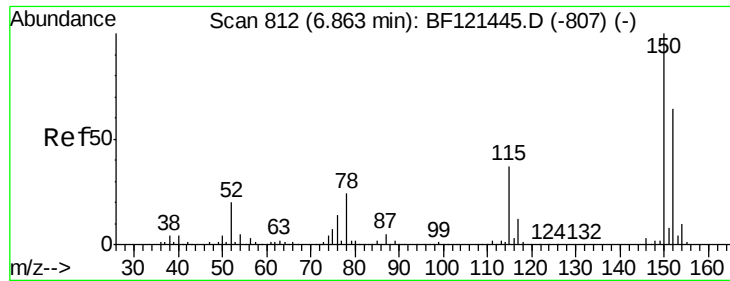
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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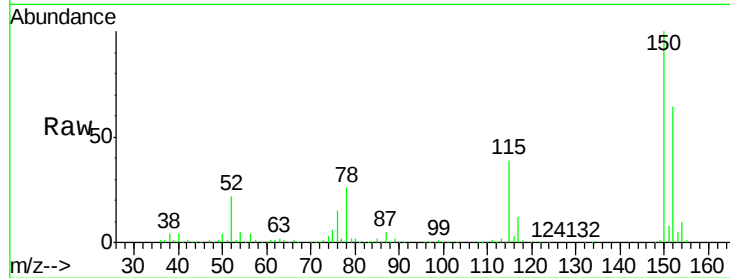


#1

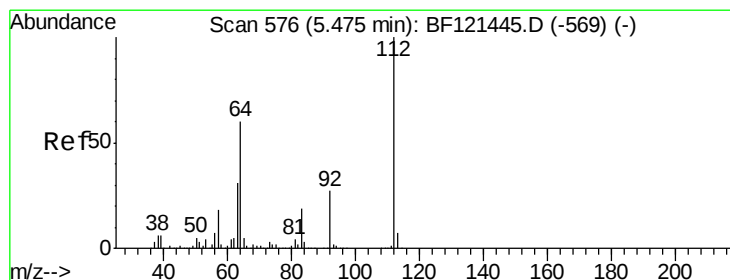
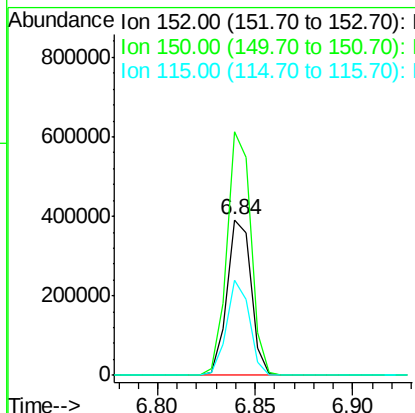
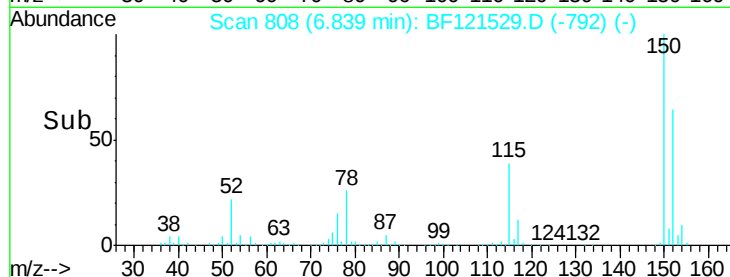
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF121529.D
Acq: 8 Sep 2020 18:58

Instrument :
BNA_F
ClientSampleId :
CL-01-090320

Tot Ion:152 Resp: 334552
Ion Ratio Lower Upper
152 100
150 156.6 126.1 189.1
115 61.0 48.4 72.6



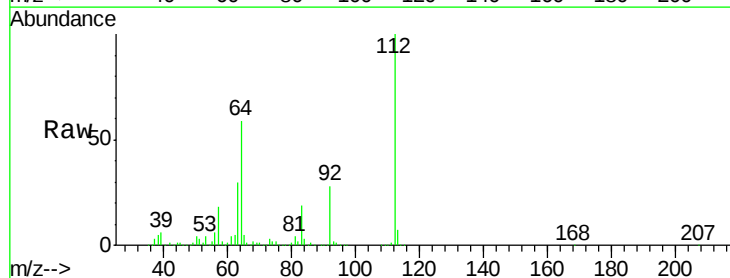
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



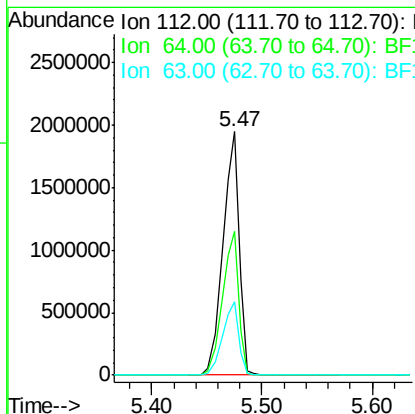
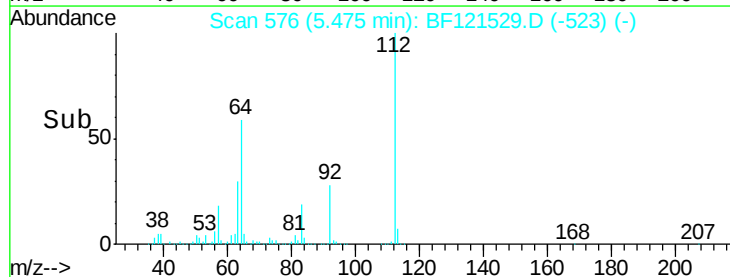
#5

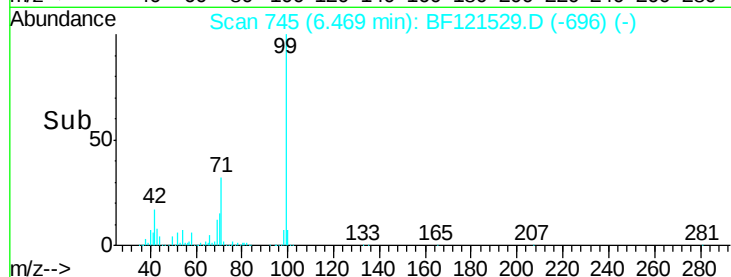
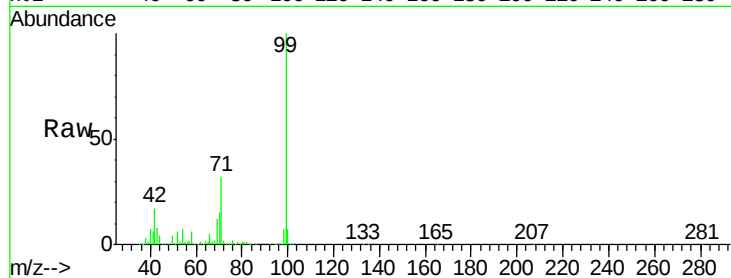
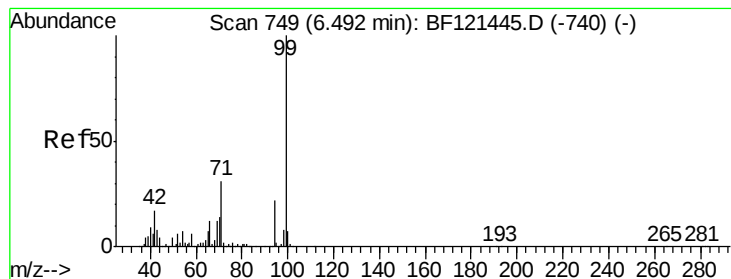
2-Fluorophenol
Concen: 100.652 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF121529.D
Acq: 8 Sep 2020 18:58

Tgt Ion:112 Resp: 2007057
Ion Ratio Lower Upper
112 100
64 58.9 46.0 69.0
63 30.1 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: 87.433 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF121529.D

Acq: 8 Sep 2020 18:58

Instrument :

BNA_F

ClientSampleId :

CL-01-090320

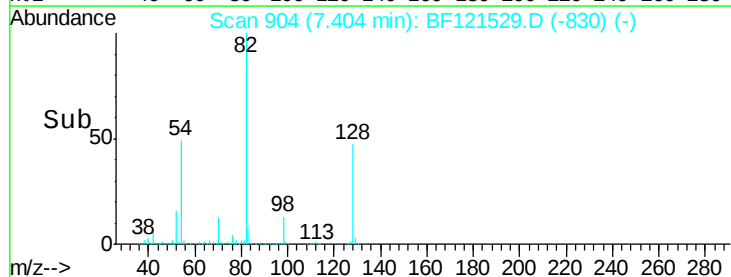
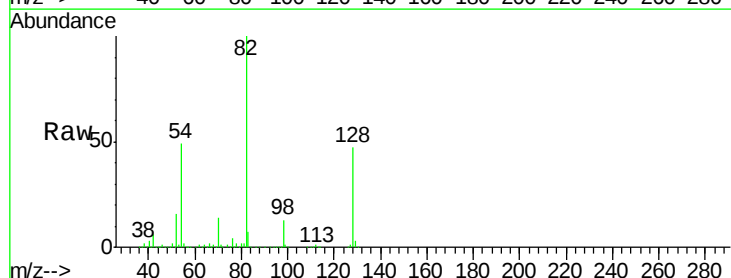
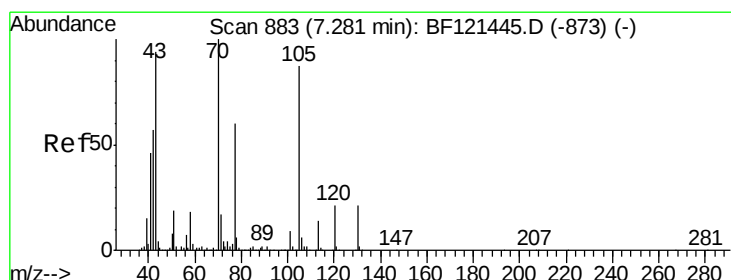
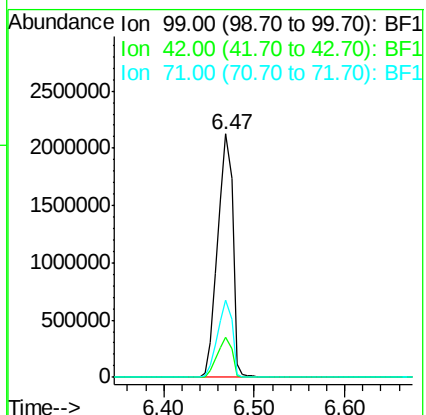
Tot Ion: 99 Resp: 2436433

Ion Ratio Lower Upper

99 100

42 16.6 13.0 19.4

71 31.7 24.8 37.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.506 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF121529.D

Acq: 8 Sep 2020 18:58

Tgt Ion: 70 Resp: 241476

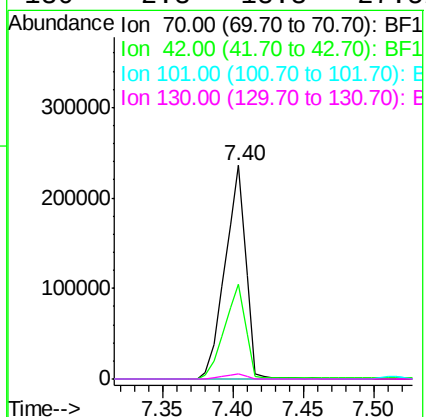
Ion Ratio Lower Upper

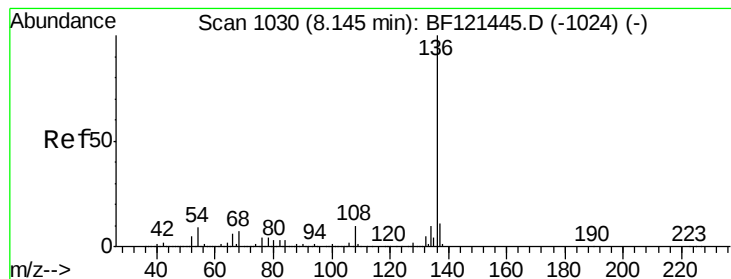
70 100

42 44.4 42.0 63.0

101 0.0 8.1 12.1#

130 2.3 18.3 27.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF121529.D

Acq: 8 Sep 2020 18:58

Instrument :

BNA_F

ClientSampleId :

CL-01-090320

Tot Ion:136 Resp: 1276906

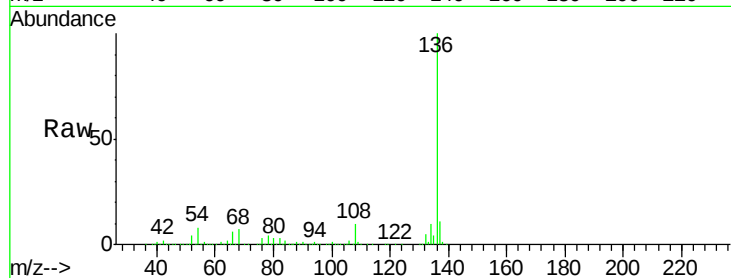
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 8.2 6.2 9.4

68 6.8 5.1 7.7

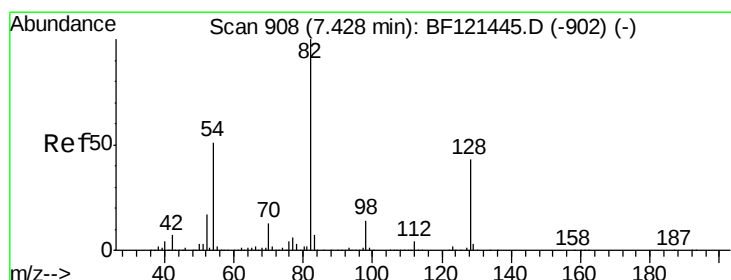
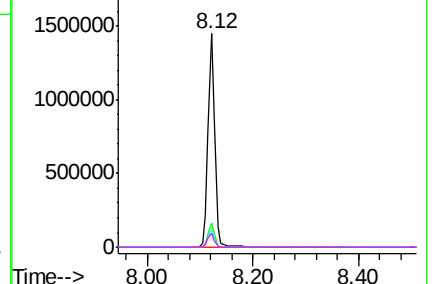
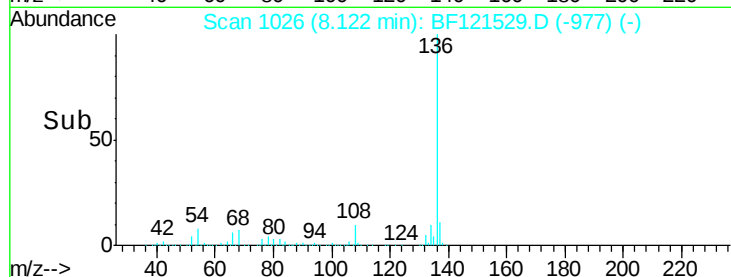


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.301 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF121529.D

Acq: 8 Sep 2020 18:58

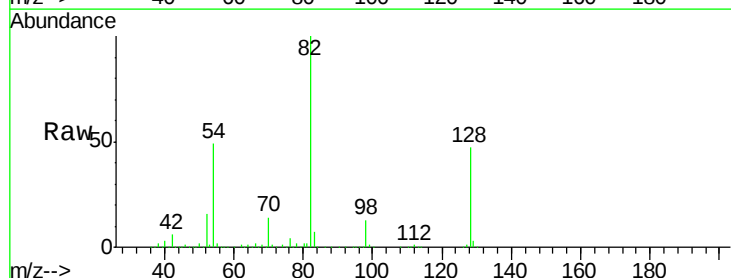
Tgt Ion: 82 Resp: 1817344

Ion Ratio Lower Upper

82 100

128 46.7 37.3 55.9

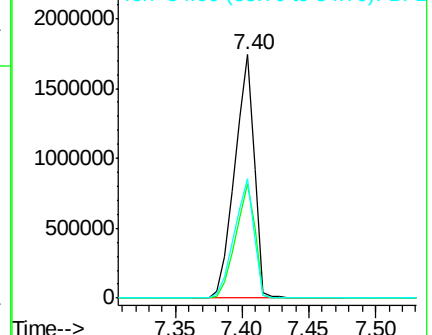
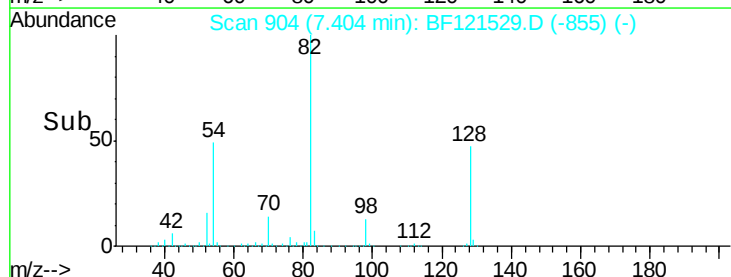
54 49.0 39.0 58.6

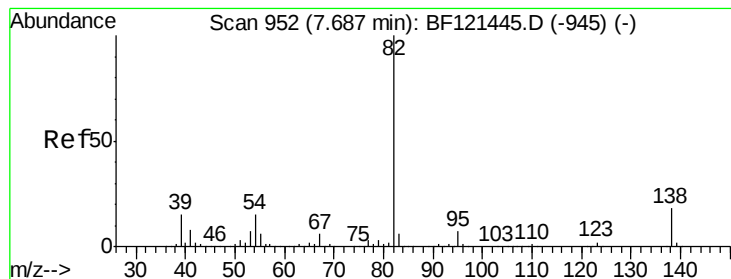


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.004 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF121529.D

Acq: 8 Sep 2020 18:58

Instrument :

BNA_F

ClientSampleId :

CL-01-090320

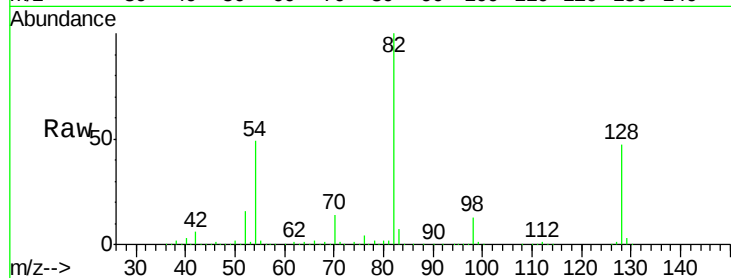
Tot Ion: 82 Resp: 1806619

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

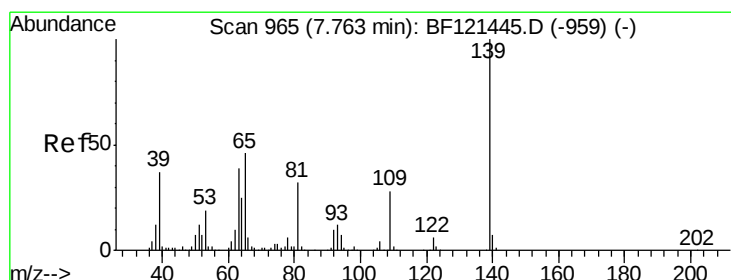
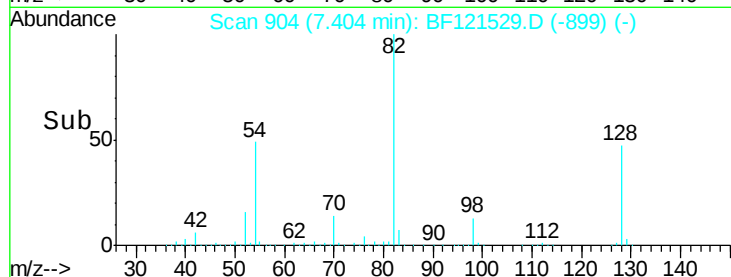
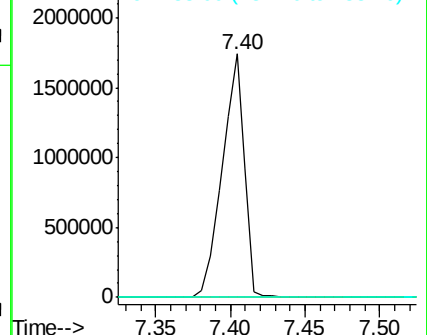
138 0.0 15.6 23.4#



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: 4.778 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.24 min

Lab File: BF121529.D

Acq: 8 Sep 2020 18:58

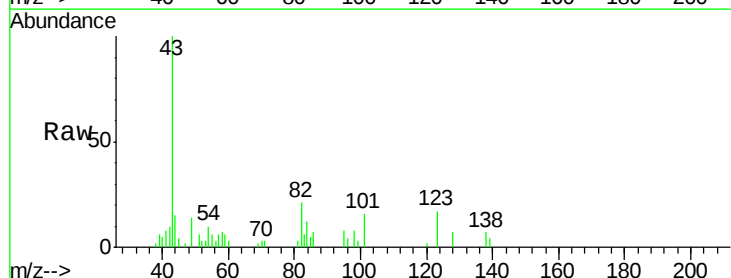
Tgt Ion: 139 Resp: 186

Ion Ratio Lower Upper

139 100

109 0.0 22.0 33.0#

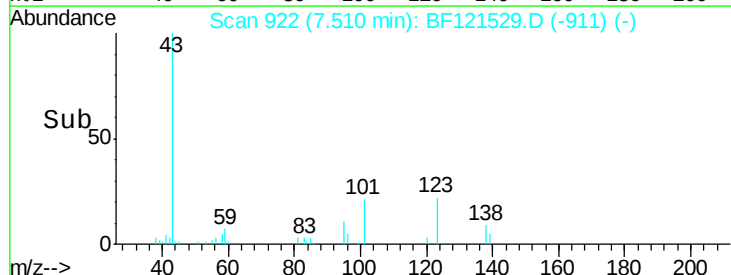
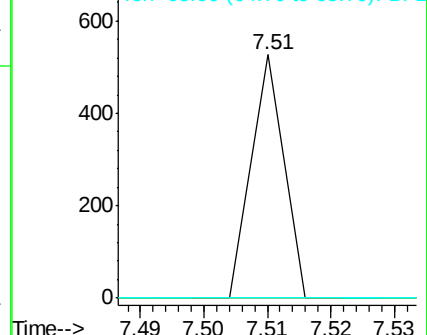
65 0.0 39.3 58.9#

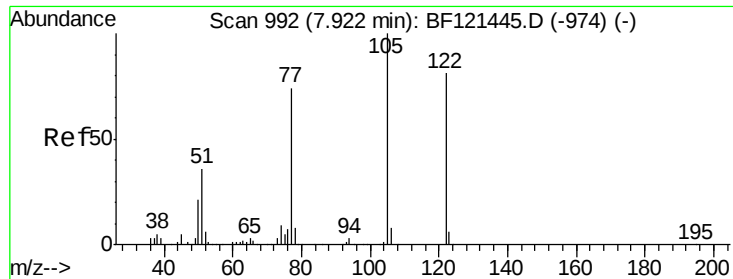


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

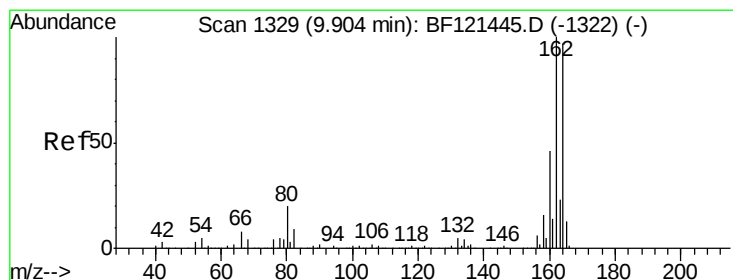
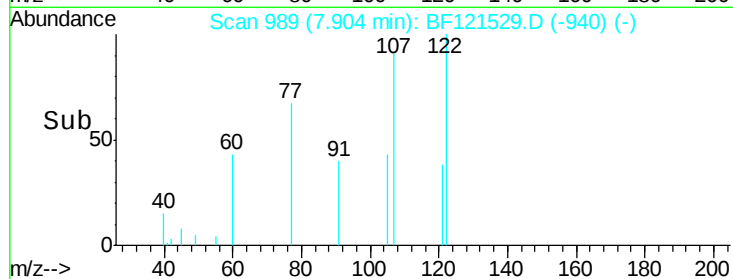
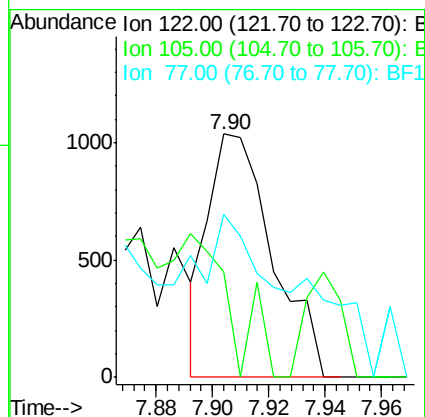
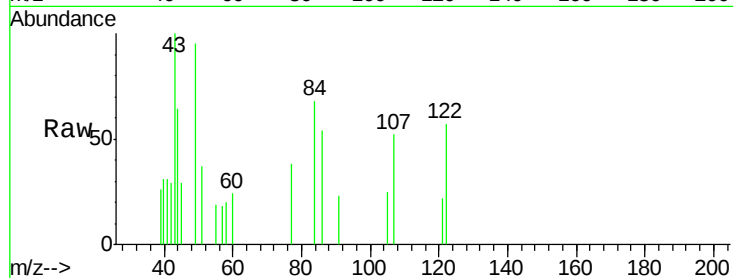




#32
Benzoic acid
Concen: 6.854 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF121529.D
Acq: 8 Sep 2020 18:58

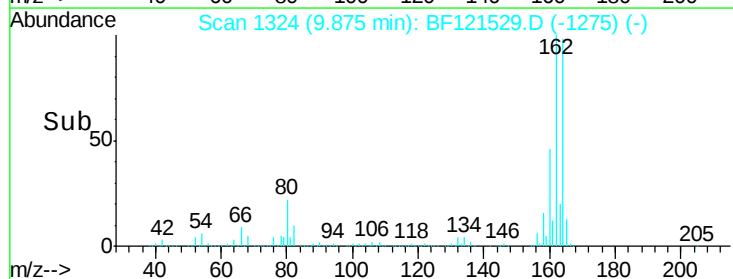
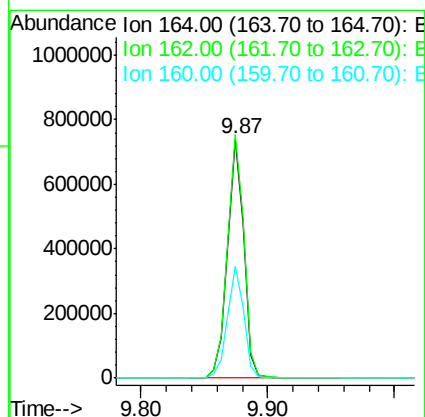
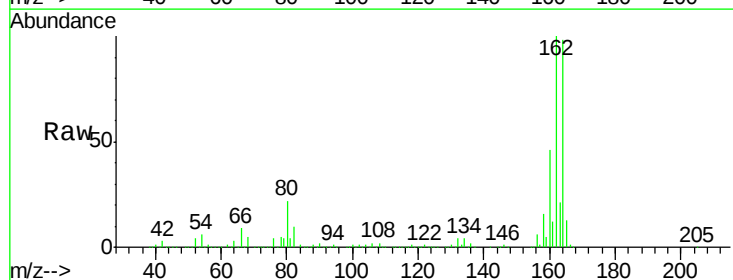
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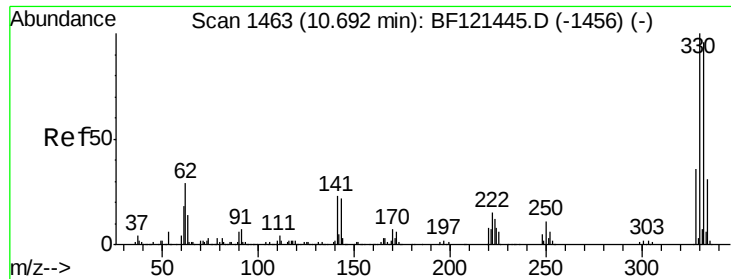
Tot Ion:122 Resp: 1643
Ion Ratio Lower Upper
122 100
105 43.4 102.2 142.2#
77 66.8 69.8 109.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF121529.D
Acq: 8 Sep 2020 18:58

Tgt Ion:164 Resp: 664758
Ion Ratio Lower Upper
164 100
162 102.1 80.5 120.7
160 46.7 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 142.028 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF121529.D

Acq: 8 Sep 2020 18:58

Instrument :

BNA_F

ClientSampleId :

CL-01-090320

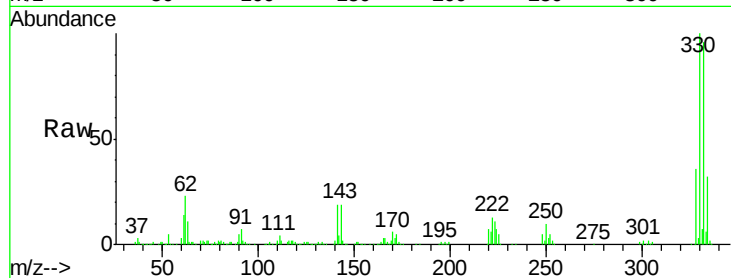
Tot Ion:330 Resp: 953630

Ion Ratio Lower Upper

330 100

332 96.0 76.2 114.2

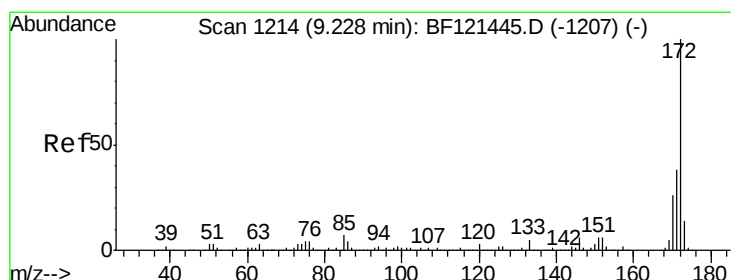
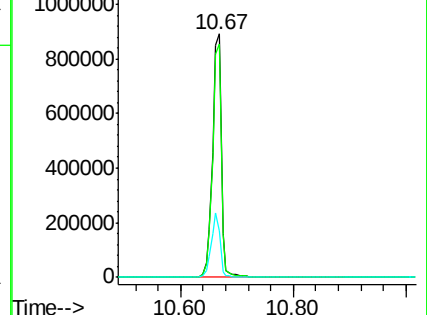
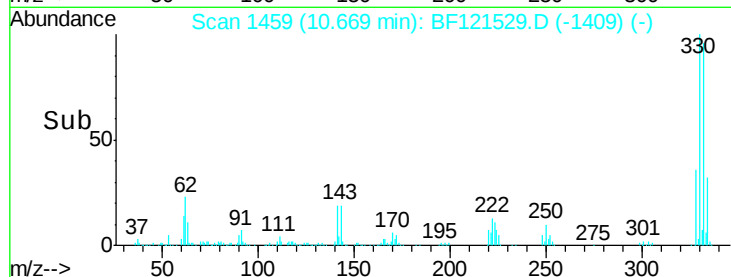
141 26.7 22.6 34.0



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: 77.334 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF121529.D

Acq: 8 Sep 2020 18:58

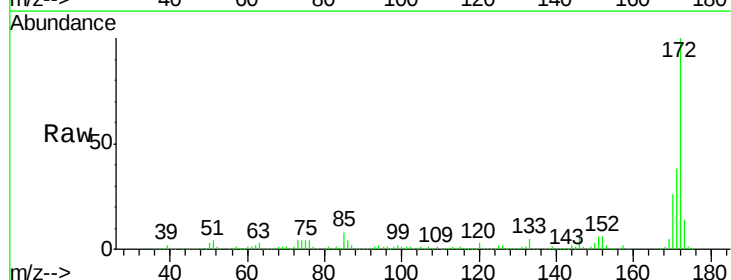
Tgt Ion:172 Resp: 3186084

Ion Ratio Lower Upper

172 100

171 38.0 30.4 45.6

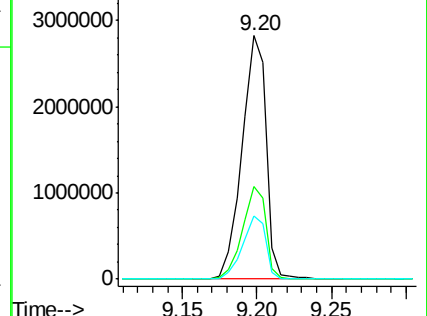
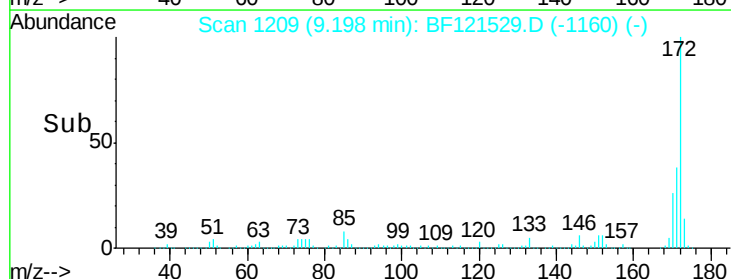
170 25.9 20.7 31.1

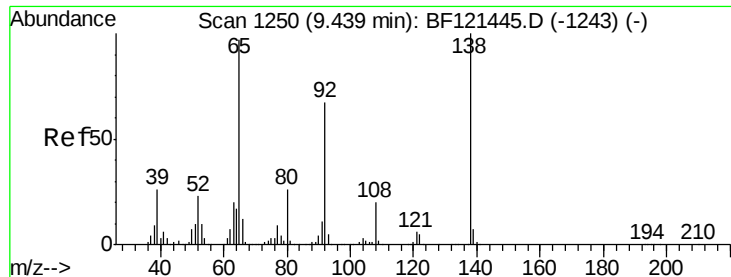


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 7.034 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.23 min

Lab File: BF121529.D

Acq: 8 Sep 2020 18:58

Instrument :

BNA_F

ClientSampleId :

CL-01-090320

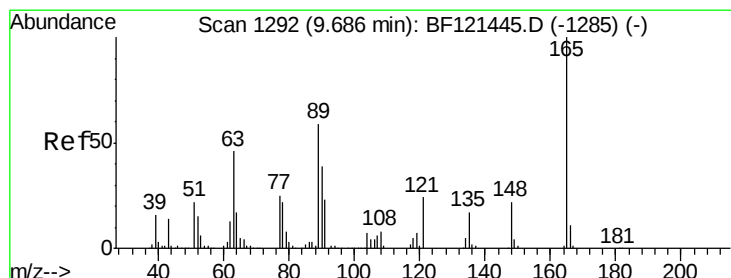
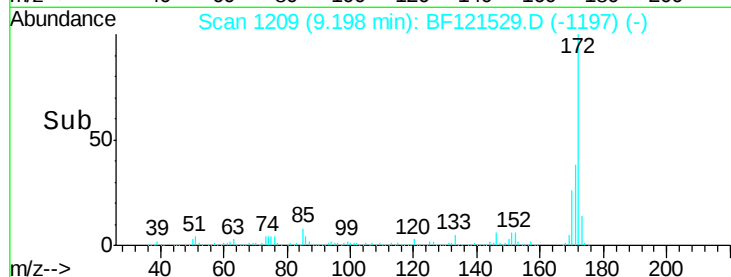
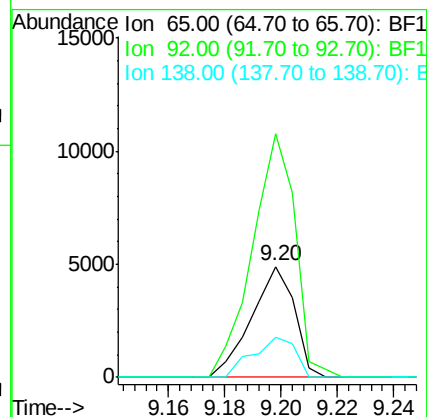
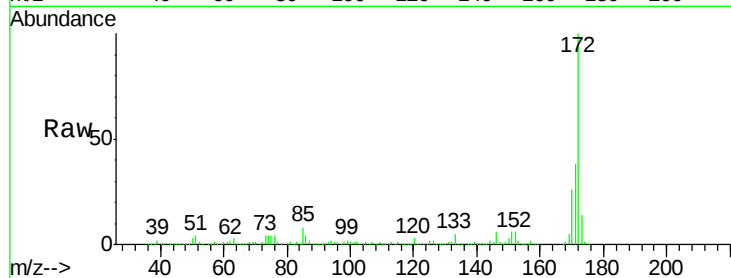
Tot Ion: 65 Resp: 5188

Ion Ratio Lower Upper

65 100

92 220.4 58.6 87.8#

138 36.4 88.6 133.0#



#51

2,6-Dinitrotoluene

Concen: 15.191 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF121529.D

Acq: 8 Sep 2020 18:58

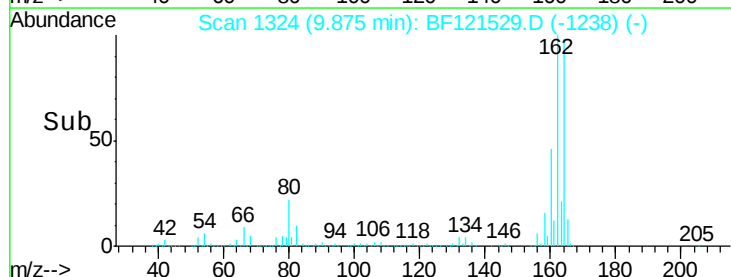
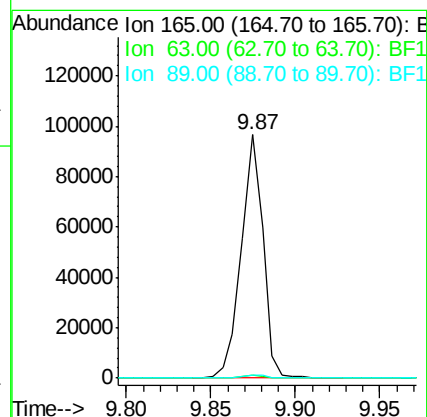
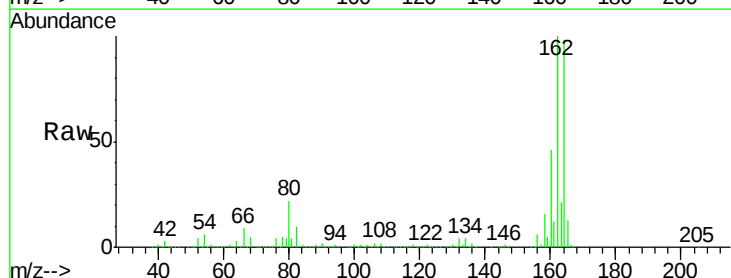
Tgt Ion: 165 Resp: 86662

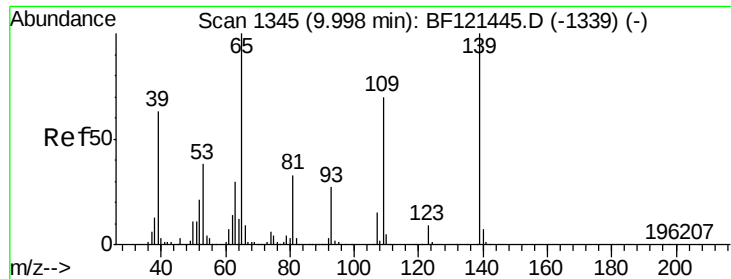
Ion Ratio Lower Upper

165 100

63 1.4 47.4 71.0#

89 1.3 47.9 71.9#





#56

4-Nitrophenol

Concen: 7.927 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.09 min

Lab File: BF121529.D

Acq: 8 Sep 2020 18:58

Instrument :

BNA_F

ClientSampleId :

CL-01-090320

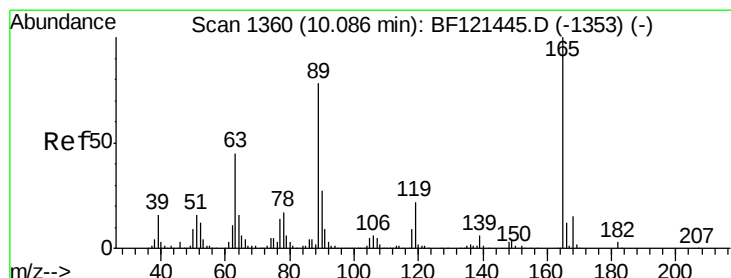
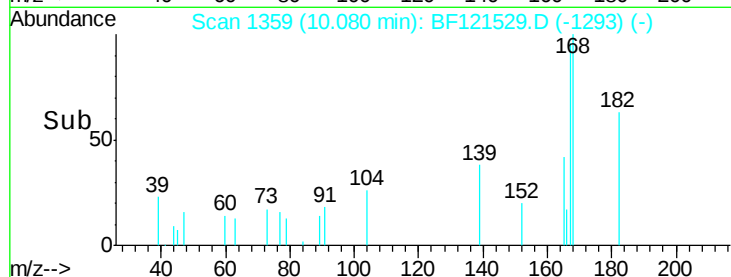
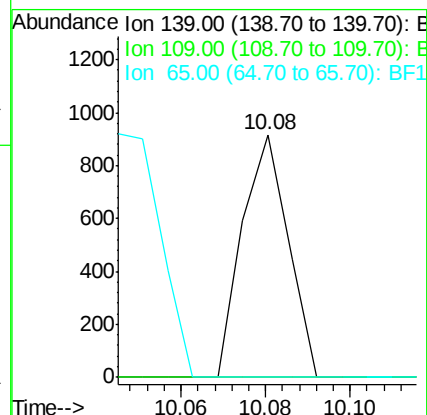
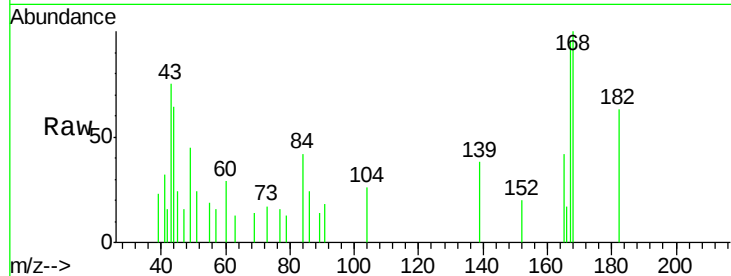
Tot Ion:139 Resp: 689

Ion Ratio Lower Upper

139 100

109 0.0 44.3 84.3#

65 0.0 70.2 110.2#



#57

2,4-Dinitrotoluene

Concen: 14.255 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.20 min

Lab File: BF121529.D

Acq: 8 Sep 2020 18:58

Tgt Ion:165 Resp: 86662

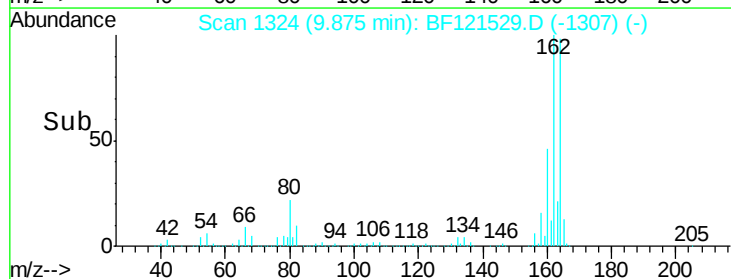
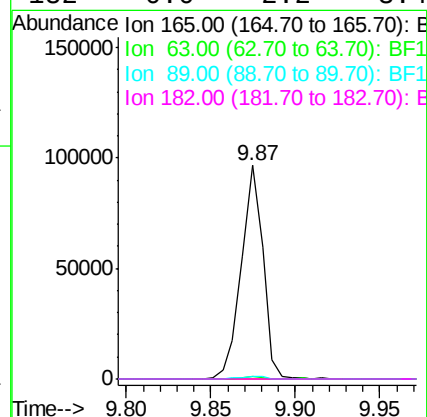
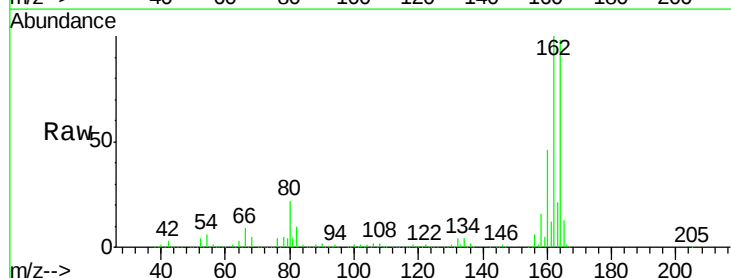
Ion Ratio Lower Upper

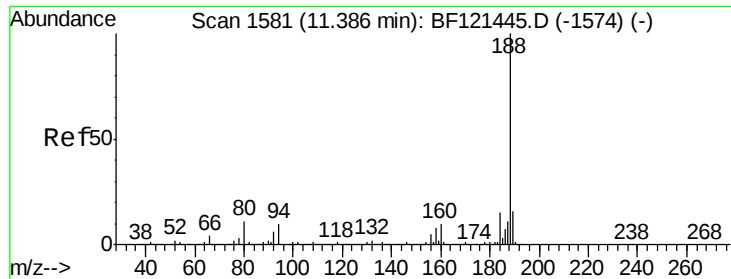
165 100

63 1.4 33.6 50.4#

89 1.3 56.4 84.6#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF121529.D

Acq: 8 Sep 2020 18:58

Instrument :

BNA_F

ClientSampleId :

CL-01-090320

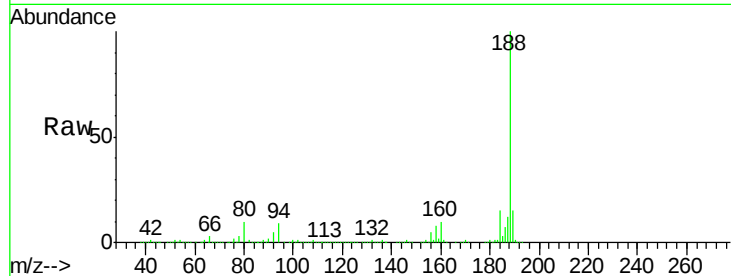
Tot Ion:188 Resp: 1276843

Ion Ratio Lower Upper

188 100

94 9.5 8.8 13.2

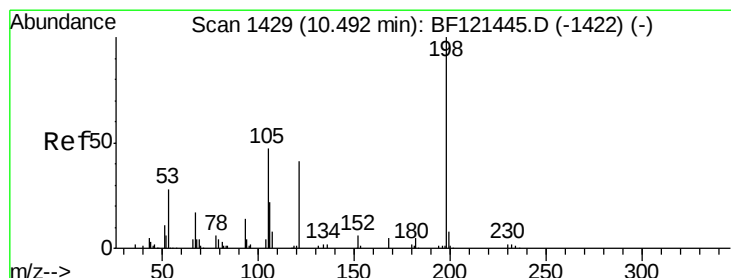
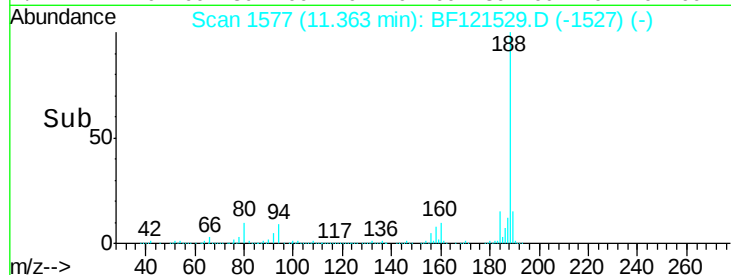
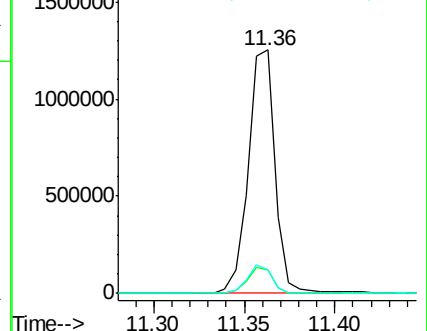
80 9.7 9.1 13.7



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: 6.222 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.18 min

Lab File: BF121529.D

Acq: 8 Sep 2020 18:58

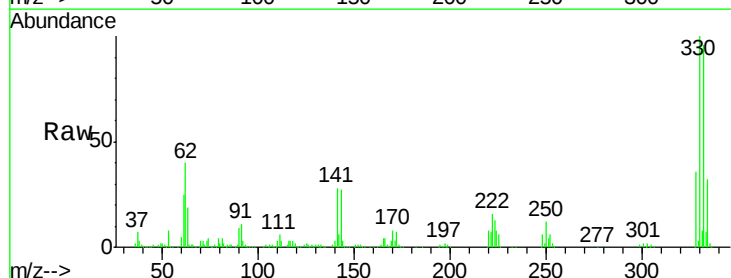
Tgt Ion:198 Resp: 1759

Ion Ratio Lower Upper

198 100

51 247.8 24.9 64.9#

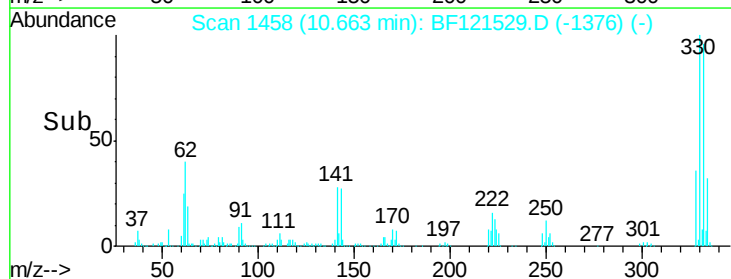
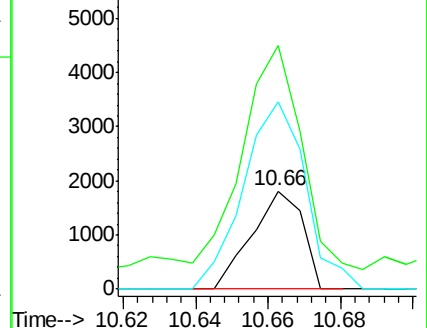
105 190.9 25.8 65.8#

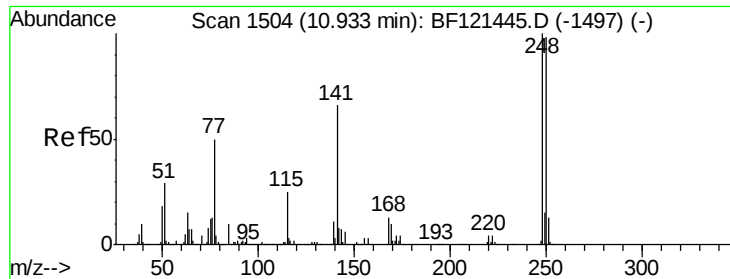


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

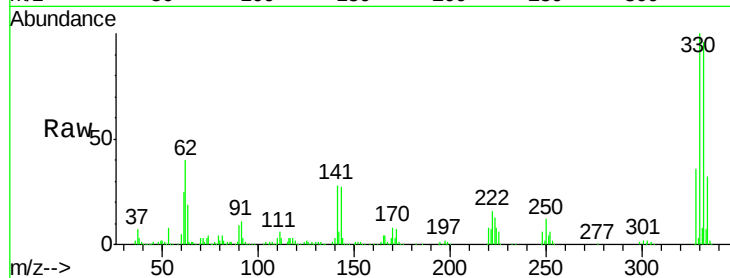




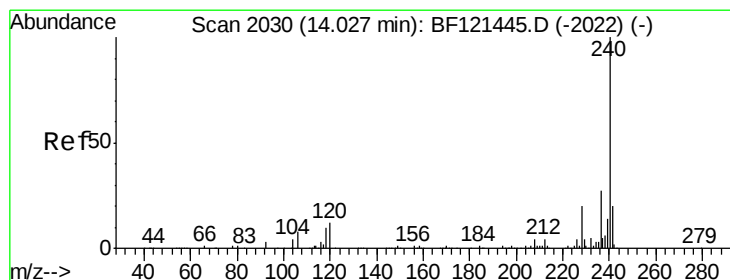
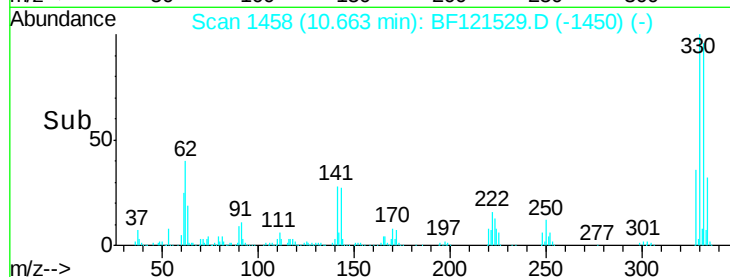
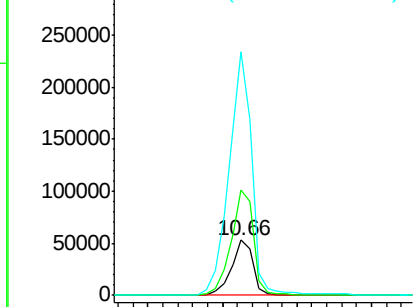
#67
4-Bromophenyl-phenylether
Concen: 3.883 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF121529.D
Acq: 8 Sep 2020 18:58

Instrument :
BNA_F
ClientSampleId :
CL-01-090320

Tot Ion:248 Resp: 54541
Ion Ratio Lower Upper
248 100
250 192.0 77.8 116.6#
141 441.5 56.4 84.6#

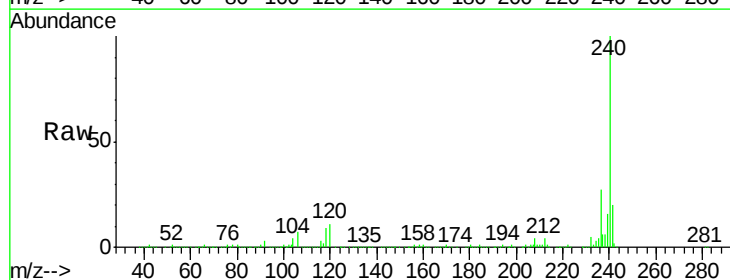


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

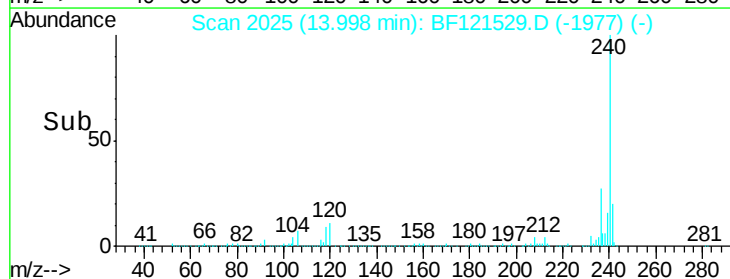
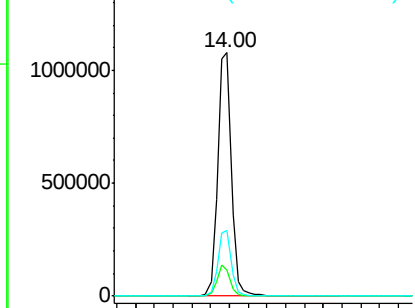


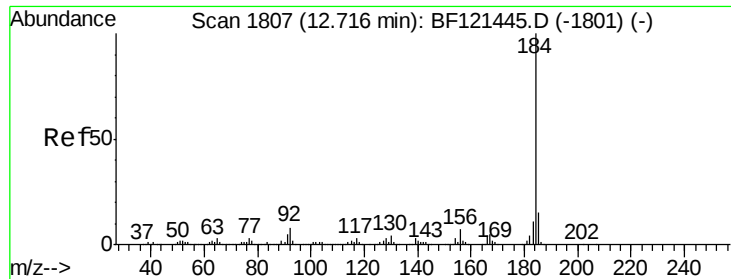
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF121529.D
Acq: 8 Sep 2020 18:58

Tgt Ion:240 Resp: 1098200
Ion Ratio Lower Upper
240 100
120 10.5 8.0 12.0
236 26.8 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: 2.108 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.25 min

Lab File: BF121529.D

Acq: 8 Sep 2020 18:58

Instrument :

BNA_F

ClientSampleId :

CL-01-090320

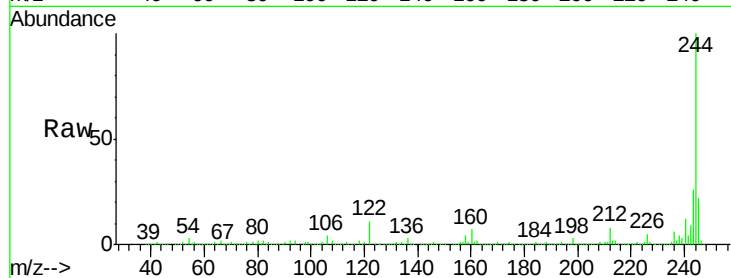
Tot Ion:184 Resp: 50479

Ion Ratio Lower Upper

184 100

185 16.2 11.5 17.3

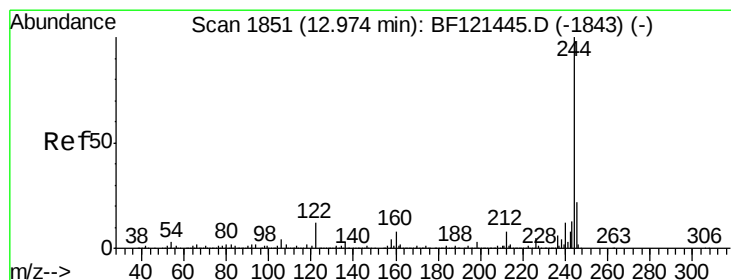
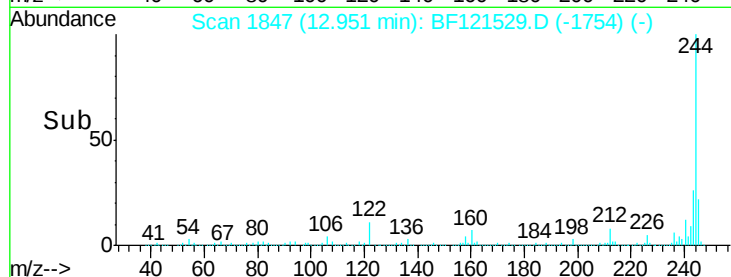
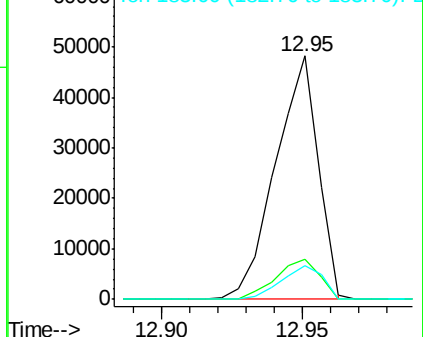
183 14.0 9.0 13.6#



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: 68.192 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF121529.D

Acq: 8 Sep 2020 18:58

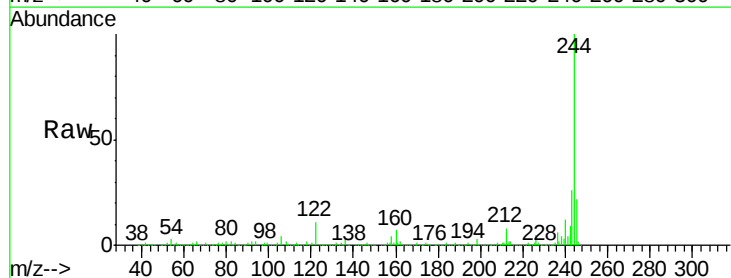
Tgt Ion:244 Resp: 3557723

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

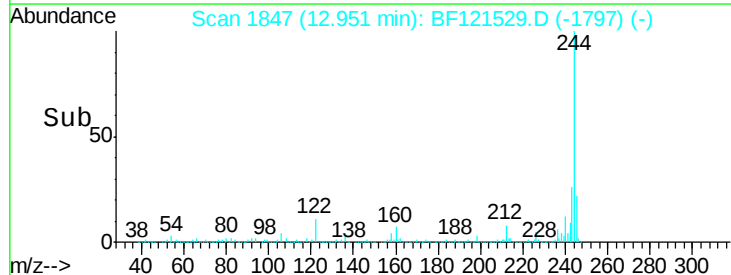
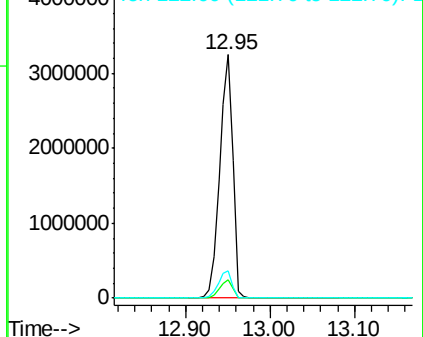
122 11.1 9.3 13.9

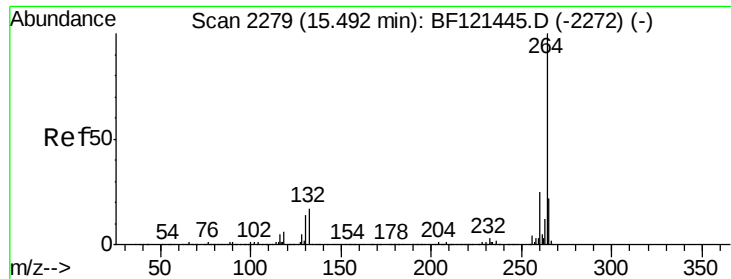


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



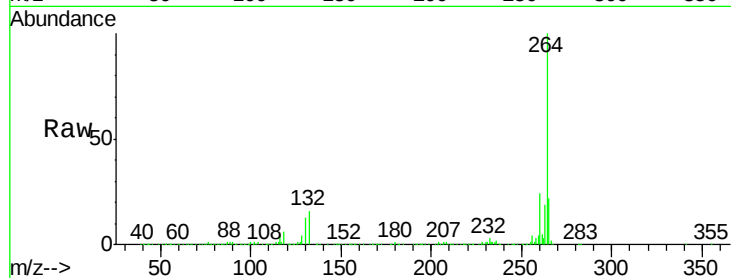


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.02 min
Lab File: BF121529.D
Acq: 8 Sep 2020 18:58

Instrument :
BNA_F
ClientSampleId :
CL-01-090320

Tot Ion: 264 Resp: 970949

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	21.7	17.4	26.2



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

