

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090820\
 Data File : BF121527.D
 Acq On : 8 Sep 2020 17:56
 Operator : JU/CG
 Sample : L3808-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B44-090320-10-20

Quant Time: Sep 08 19:01:31 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	319296	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1216222	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	646943	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	1191439	20.00	ng	0.00
76) Chrysene-d12	13.99	240	1014645	20.00	ng	-0.02
86) Perylene-d12	15.45	264	887006	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1851810	97.30	ng	0.00
7) Phenol-d6	6.47	99	2171347	81.64	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1766988	99.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	867402	132.74	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	3047415	76.01	ng	-0.01
79) Terphenyl-d14	12.95	244	3344872	69.39	ng	0.00

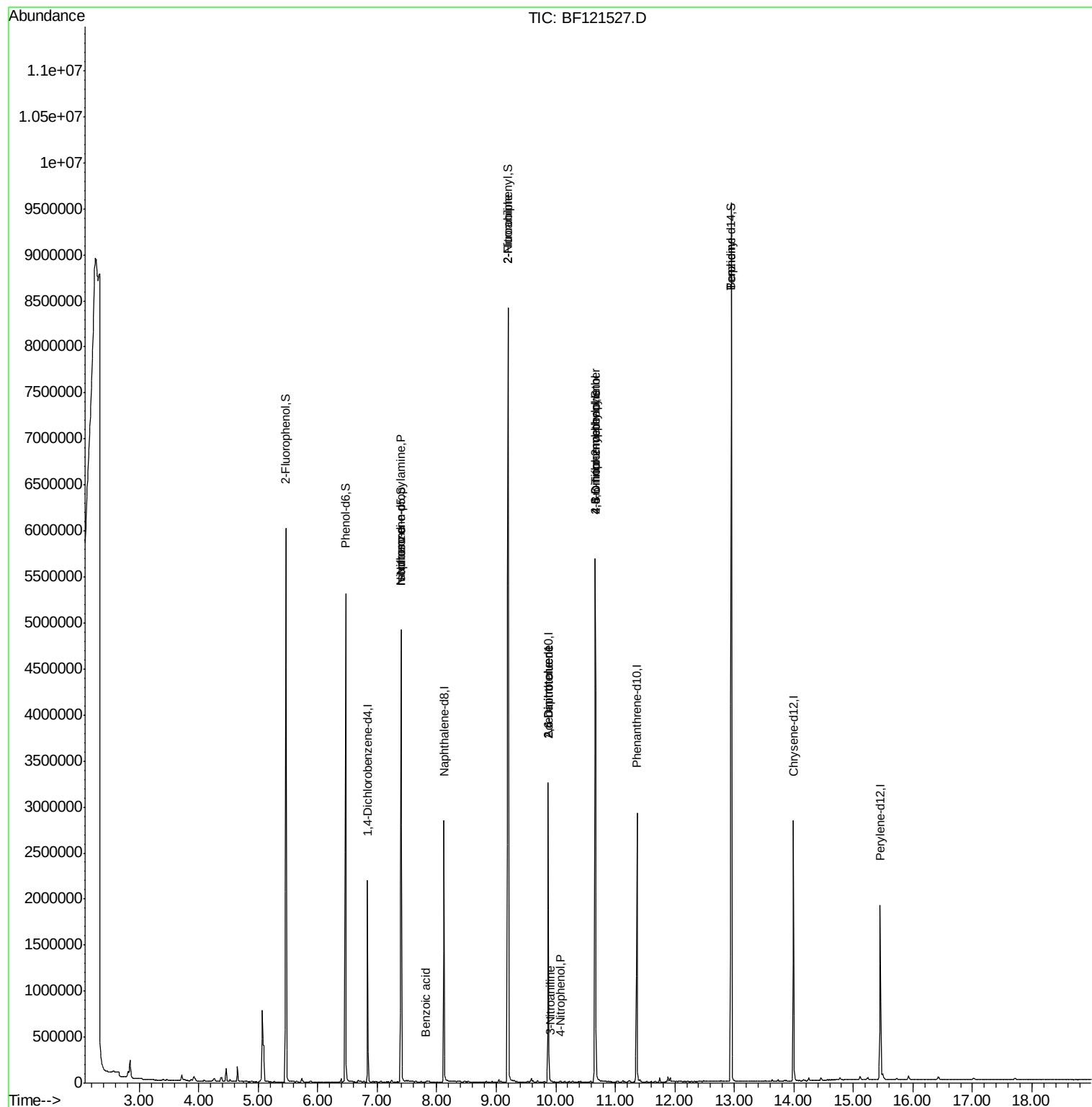
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	6979	Below Cal		93
19) n-Nitroso-di-n-propylamine	7.40	70	233918	15.739	ng	# 79
25) Isophorone	7.40	82	1753445	43.821	ng	# 63
32) Benzoic acid	7.82	122	2595	6.982	ng	96
48) 2-Nitroaniline	9.20	65	5269	7.051	ng	# 1
51) 2,6-Dinitrotoluene	9.87	165	84216	15.178	ng	# 23
53) 3-Nitroaniline	9.91	138	124	5.462	ng	# 1
56) 4-Nitrophenol	10.08	139	571	7.916	ng	# 10
57) 2,4-Dinitrotoluene	9.87	165	84216	14.245	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.66	198	1565	6.183	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	49968	3.812	ng	# 1
77) Benzidine	12.95	184	46103	2.083	ng	# 91

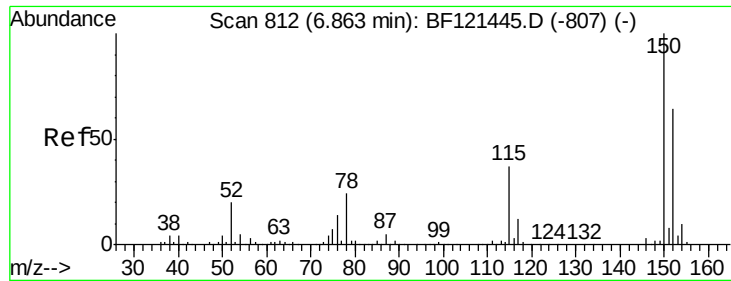
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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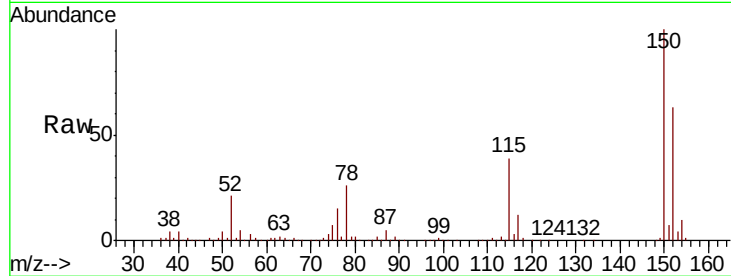


#1

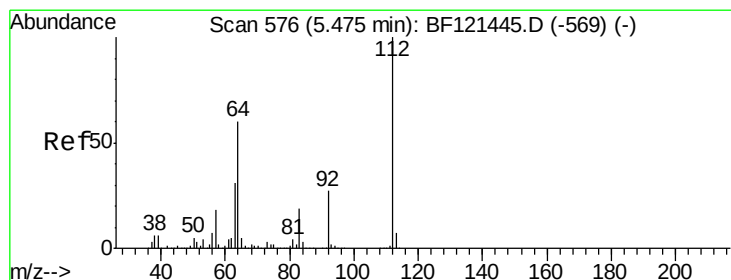
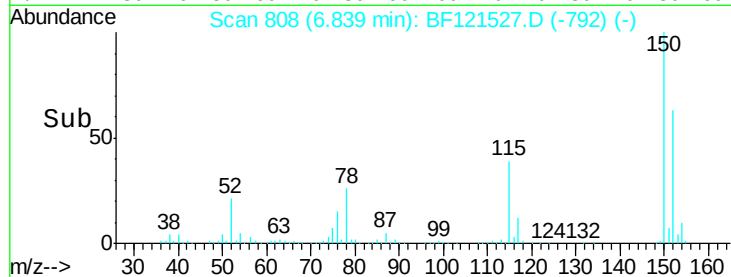
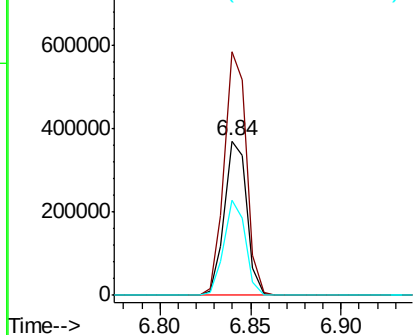
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF121527.D
Acq: 8 Sep 2020 17:56

Instrument :
BNA_F
ClientSampleId :
PAV-B44-090320-10-20

Tot Ion:152 Resp: 319296
Ion Ratio Lower Upper
152 100
150 158.0 126.1 189.1
115 62.1 48.4 72.6



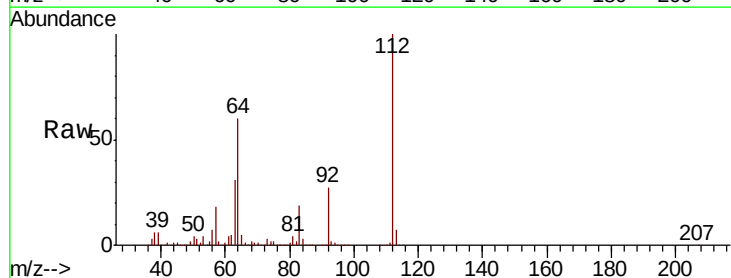
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



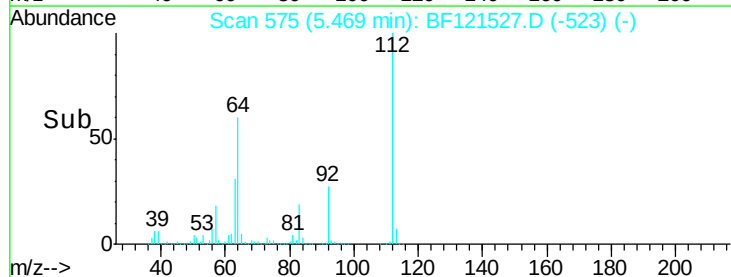
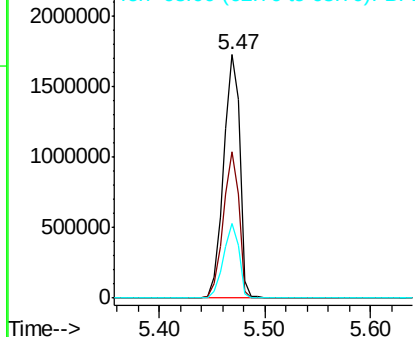
#5

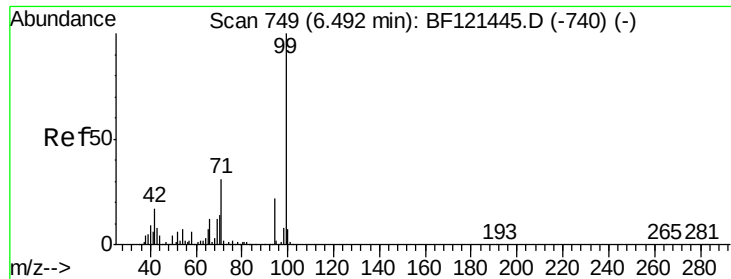
2-Fluorophenol
Concen: 97.304 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF121527.D
Acq: 8 Sep 2020 17:56

Tgt Ion:112 Resp: 1851810
Ion Ratio Lower Upper
112 100
64 60.3 46.0 69.0
63 30.9 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: 81.643 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF121527.D

Acq: 8 Sep 2020 17:56

Instrument :

BNA_F

ClientSampleId :

PAV-B44-090320-10-20

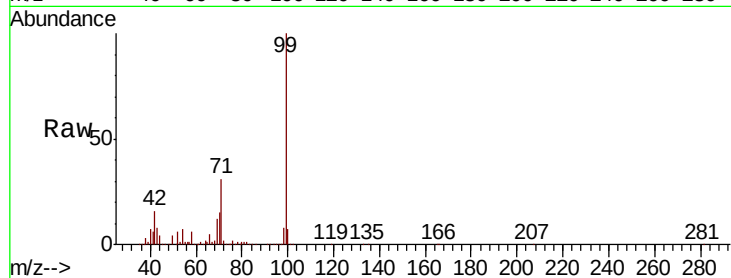
Tot Ion: 99 Resp: 2171347

Ion Ratio Lower Upper

99 100

42 16.2 13.0 19.4

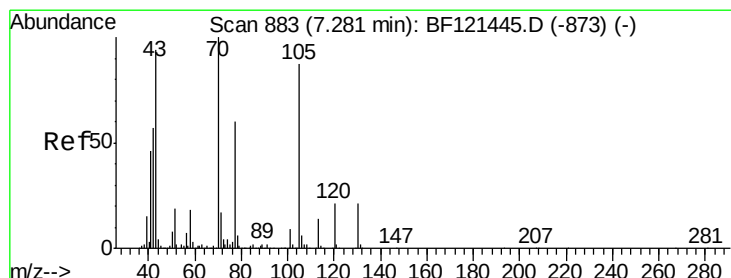
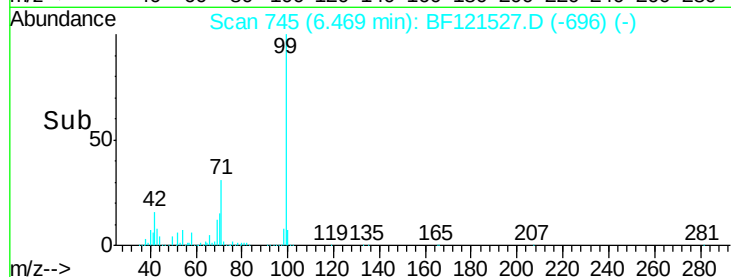
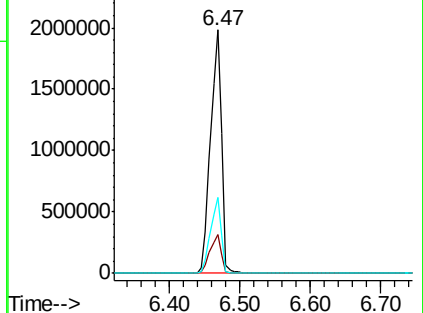
71 31.4 24.8 37.2



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: 15.739 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF121527.D

Acq: 8 Sep 2020 17:56

Tgt Ion: 70 Resp: 233918

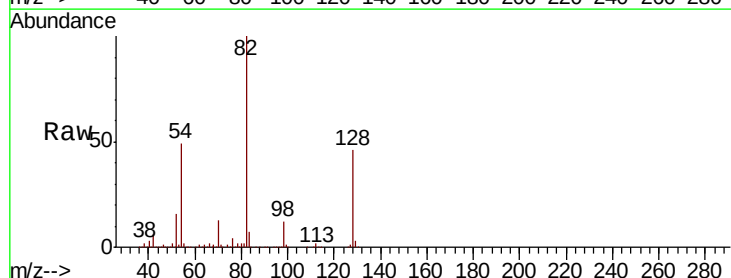
Ion Ratio Lower Upper

70 100

42 45.0 42.0 63.0

101 0.0 8.1 12.1#

130 2.3 18.3 27.5#

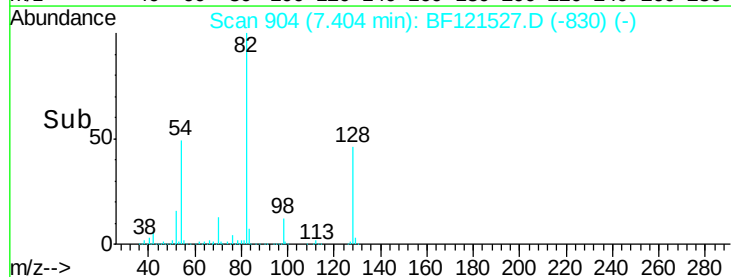
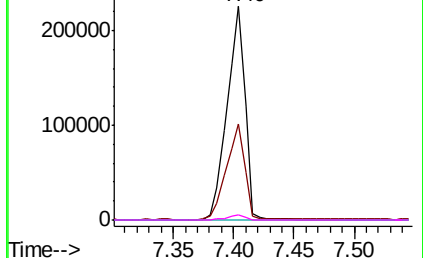


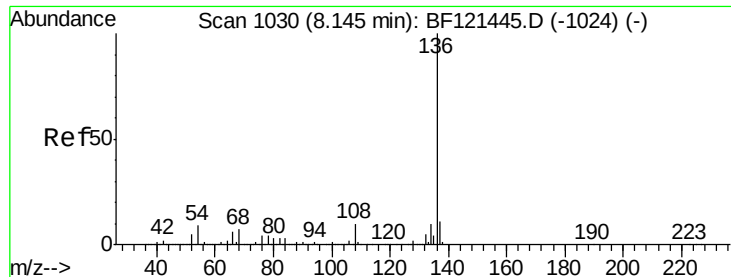
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF121527.D

Acq: 8 Sep 2020 17:56

Instrument :

BNA_F

ClientSampleId :

PAV-B44-090320-10-20

Tot Ion:136 Resp: 1216222

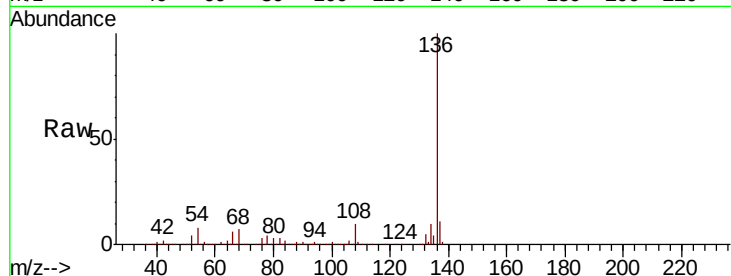
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 8.4 6.2 9.4

68 6.7 5.1 7.7

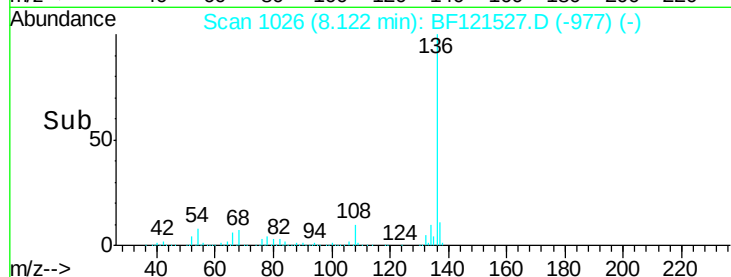


Abundance Ion 136.00 (135.70 to 136.70): E

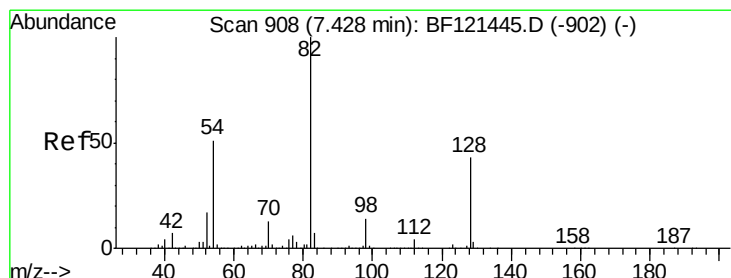
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time--> 8.00 8.12 8.20 8.30



#23

Nitrobenzene-d5

Concen: 99.325 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF121527.D

Acq: 8 Sep 2020 17:56

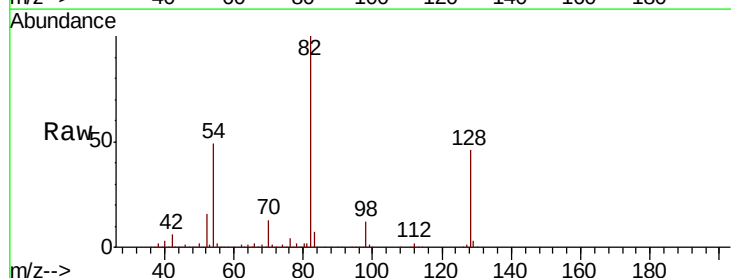
Tgt Ion: 82 Resp: 1766988

Ion Ratio Lower Upper

82 100

128 46.1 37.3 55.9

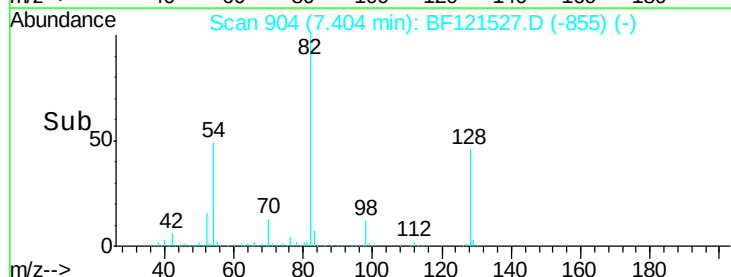
54 48.7 39.0 58.6



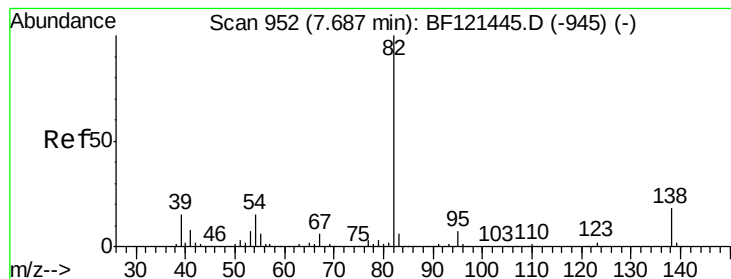
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time--> 7.35 7.40 7.45 7.50



#25

Isophorone

Concen: 43.821 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF121527.D

Acq: 8 Sep 2020 17:56

Instrument :

BNA_F

ClientSampleId :

PAV-B44-090320-10-20

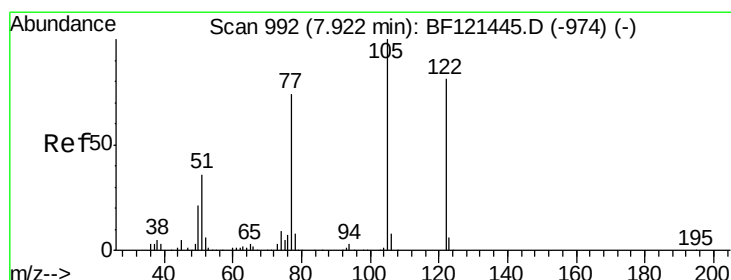
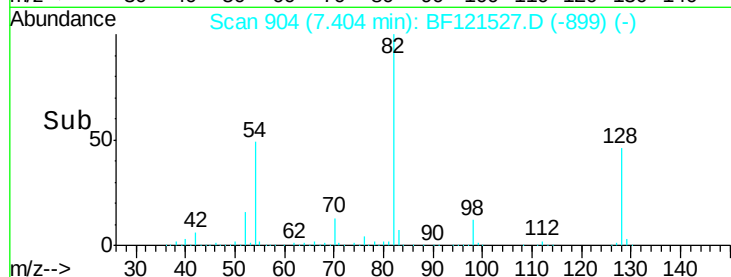
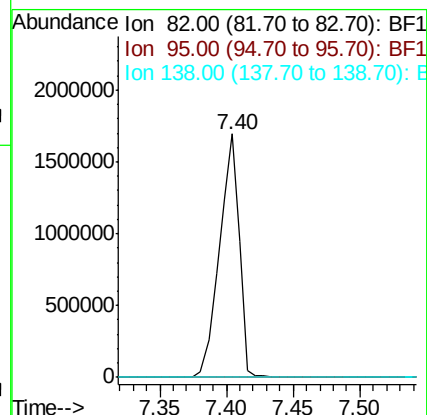
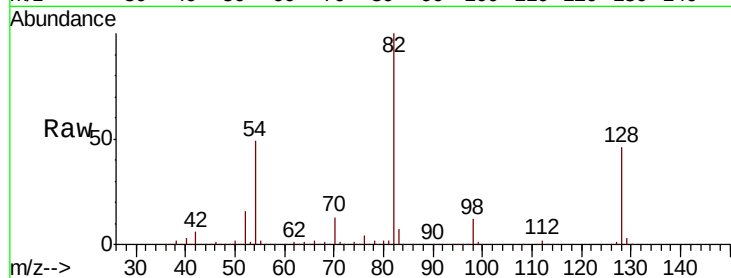
Tot Ion: 82 Resp: 1753445

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 15.6 23.4#



#32

Benzoic acid

Concen: 6.982 ng

RT: 7.82 min Scan# 975

Delta R.T. -0.09 min

Lab File: BF121527.D

Acq: 8 Sep 2020 17:56

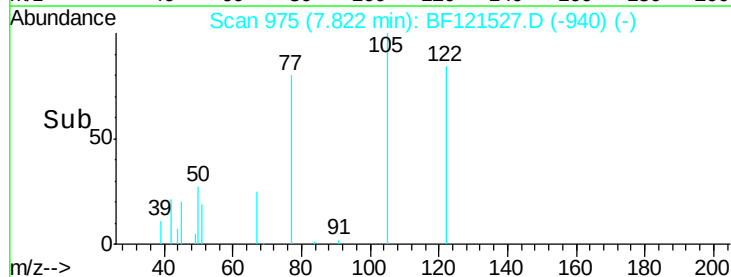
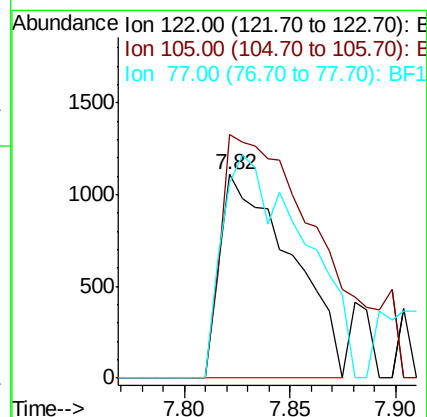
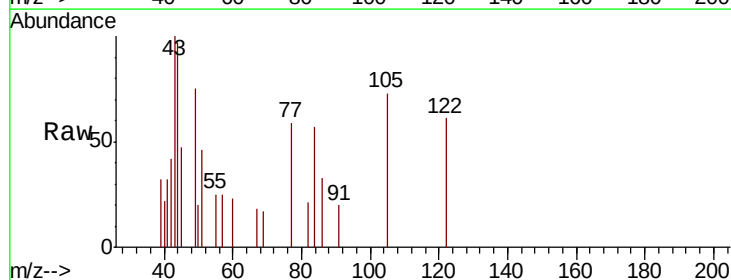
Tgt Ion: 122 Resp: 2595

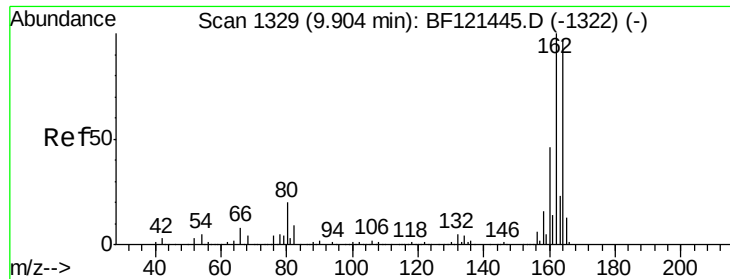
Ion Ratio Lower Upper

122 100

105 119.7 102.2 142.2

77 95.9 69.8 109.8

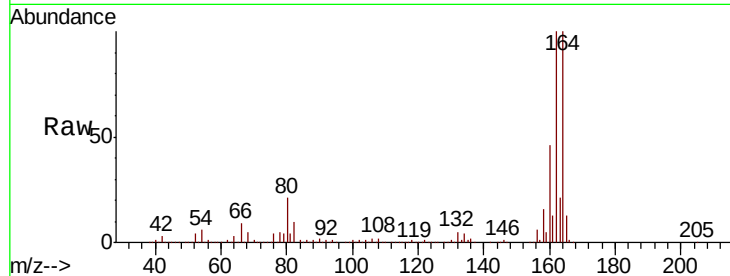




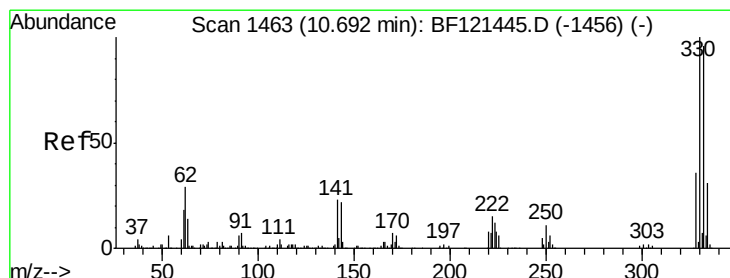
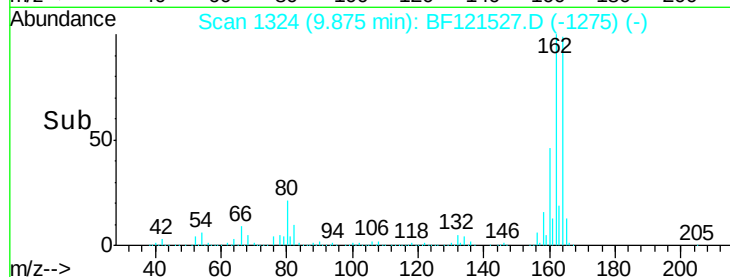
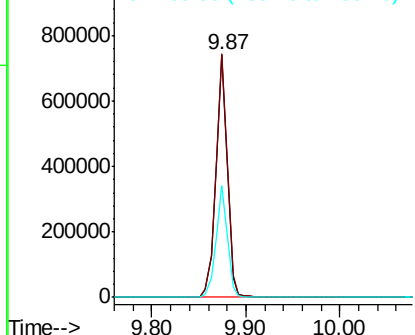
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF121527.D
 Acq: 8 Sep 2020 17:56

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B44-090320-10-20

Tot Ion:164 Resp: 646943
 Ion Ratio Lower Upper
 164 100
 162 100.3 80.5 120.7
 160 45.8 36.2 54.4

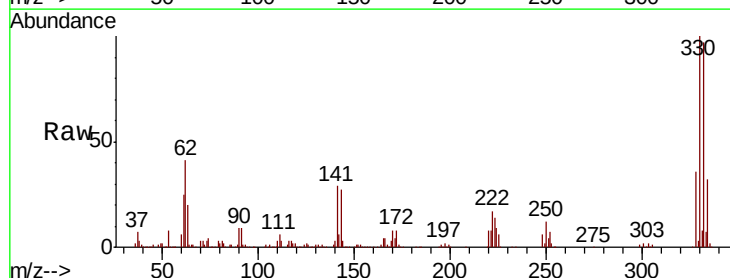


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

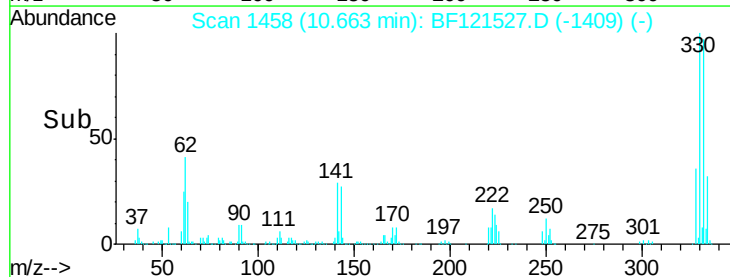
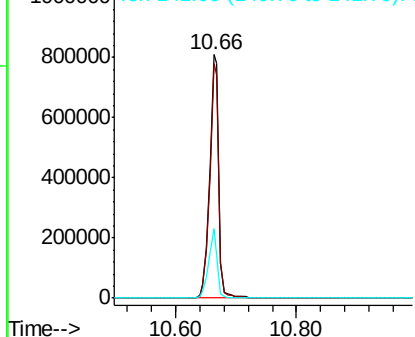


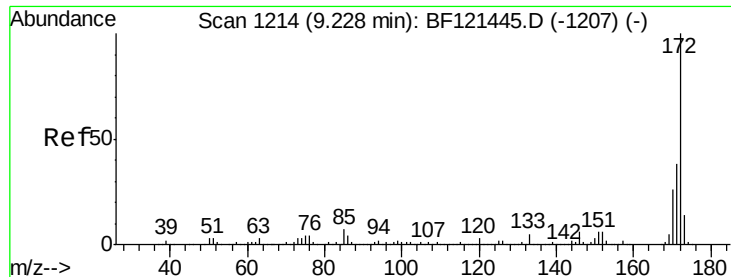
#42
 2,4,6-Tribromophenol
 Concen: 132.743 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF121527.D
 Acq: 8 Sep 2020 17:56

Tgt Ion:330 Resp: 867402
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.2 114.2
 141 27.1 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

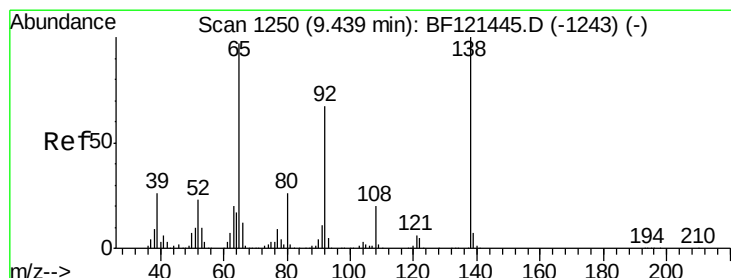
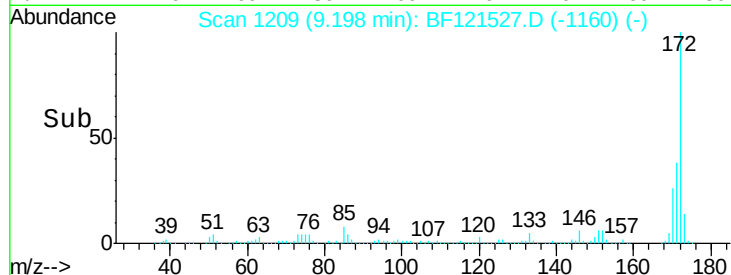
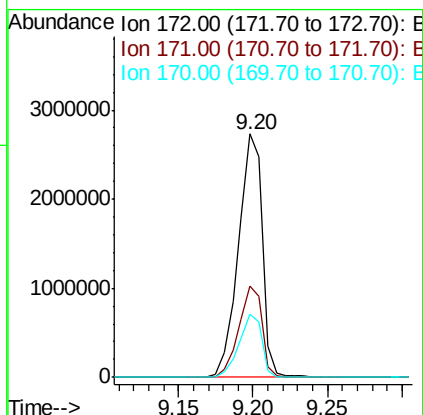
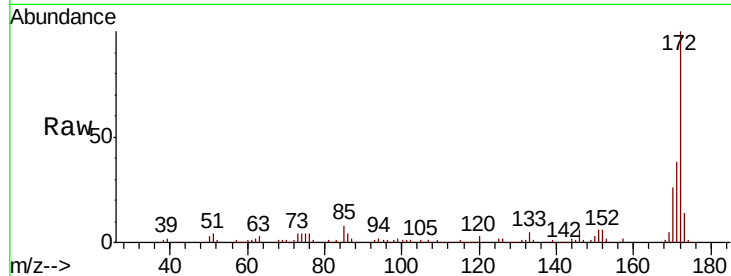




#45
 2-Fluorobiphenyl
 Concen: 76.005 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF121527.D
 Acq: 8 Sep 2020 17:56

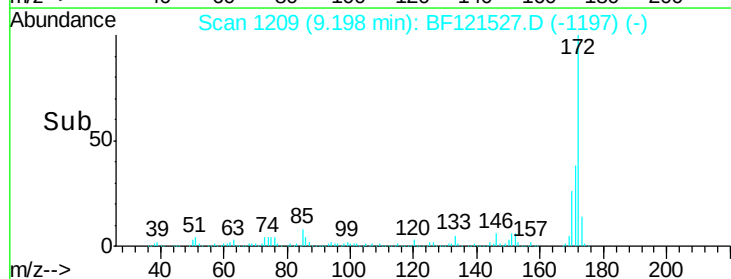
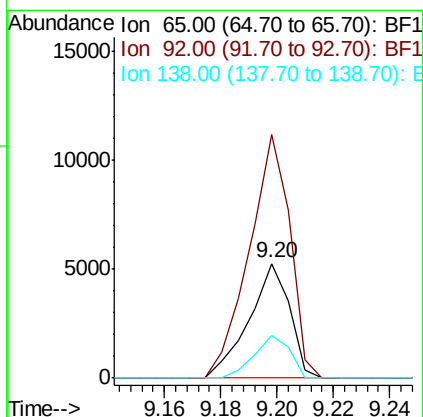
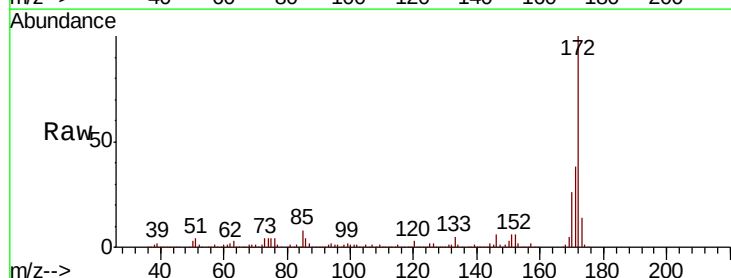
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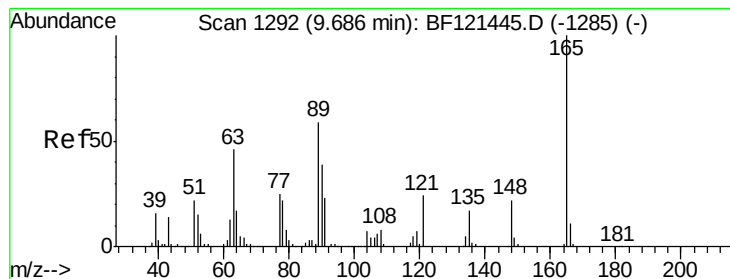
Tot Ion:172 Resp: 3047415
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.4 45.6
 170 25.7 20.7 31.1



#48
 2-Nitroaniline
 Concen: 7.051 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.23 min
 Lab File: BF121527.D
 Acq: 8 Sep 2020 17:56

Tgt Ion: 65 Resp: 5269
 Ion Ratio Lower Upper
 65 100
 92 212.1 58.6 87.8#
 138 36.8 88.6 133.0#





#51

2,6-Dinitrotoluene

Concen: 15.178 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF121527.D

Acq: 8 Sep 2020 17:56

Instrument :

BNA_F

ClientSampleId :

PAV-B44-090320-10-20

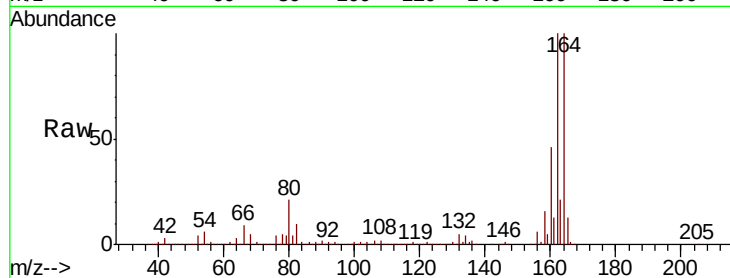
Tot Ion:165 Resp: 84216

Ion Ratio Lower Upper

165 100

63 1.2 47.4 71.0#

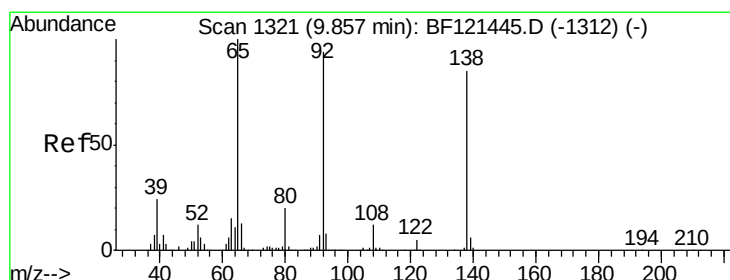
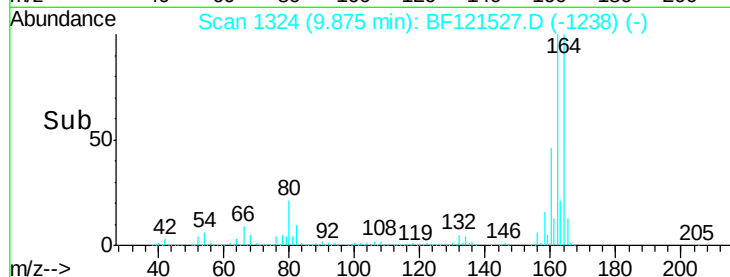
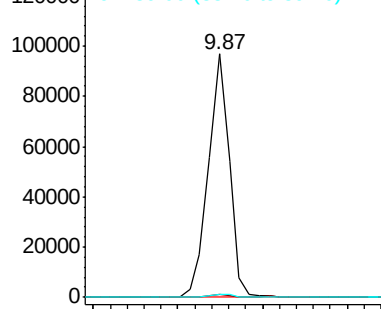
89 1.3 47.9 71.9#



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



#53

3-Nitroaniline

Concen: 5.462 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.07 min

Lab File: BF121527.D

Acq: 8 Sep 2020 17:56

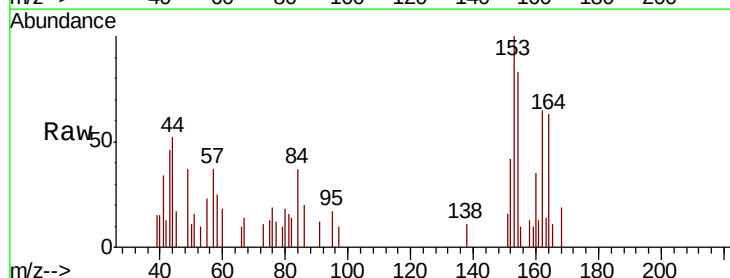
Tgt Ion:138 Resp: 124

Ion Ratio Lower Upper

138 100

108 0.0 8.7 13.1#

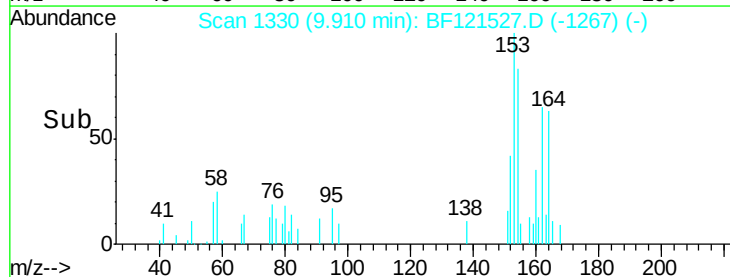
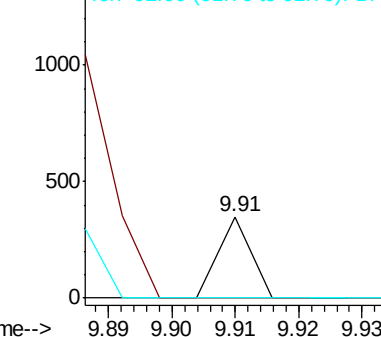
92 0.0 91.1 136.7#

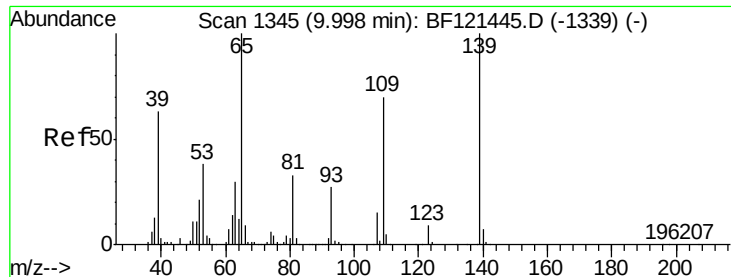


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

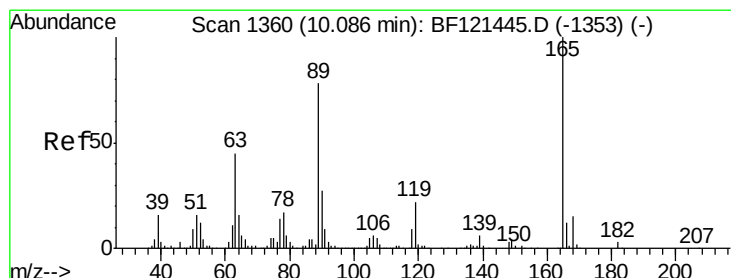
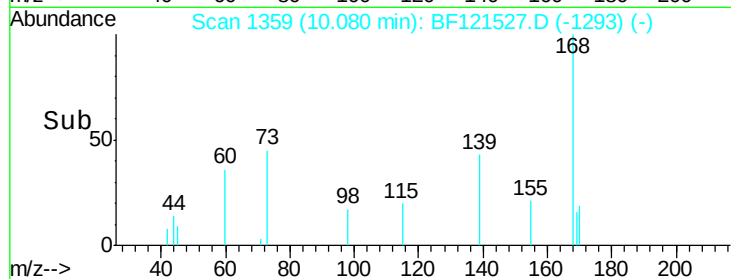
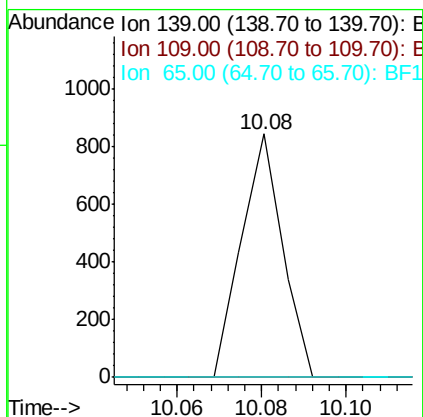
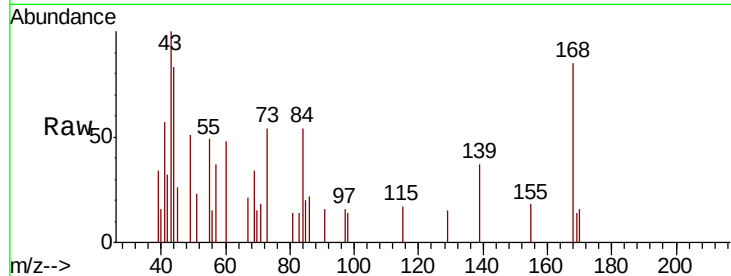




#56
4-Nitrophenol
Concen: 7.916 ng
RT: 10.08 min Scan# 1359
Delta R.T. 0.09 min
Lab File: BF121527.D
Acq: 8 Sep 2020 17:56

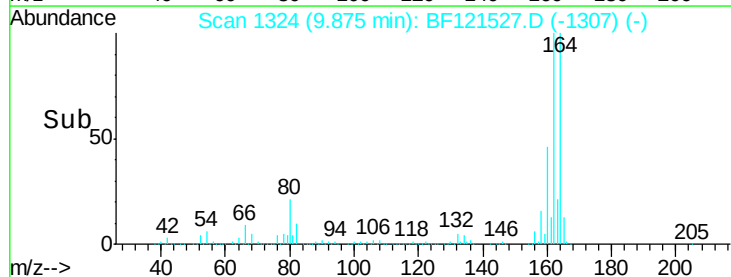
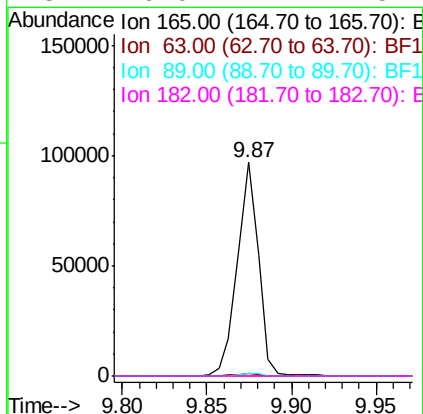
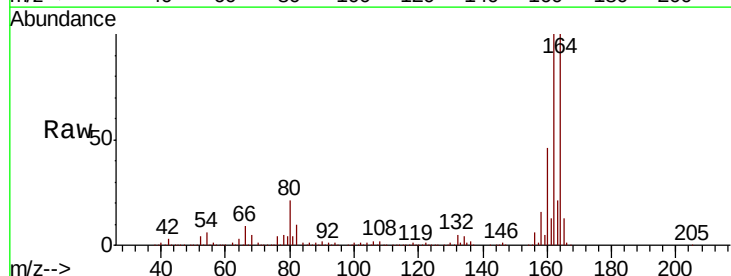
Instrument :
BNA_F
ClientSampleId :
PAV-B44-090320-10-20

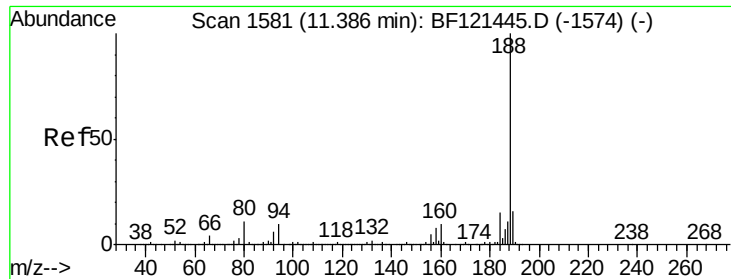
Tot Ion:139 Resp: 571
Ion Ratio Lower Upper
139 100
109 0.0 44.3 84.3#
65 0.0 70.2 110.2#



#57
2,4-Dinitrotoluene
Concen: 14.245 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.20 min
Lab File: BF121527.D
Acq: 8 Sep 2020 17:56

Tgt Ion:165 Resp: 84216
Ion Ratio Lower Upper
165 100
63 1.2 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: BF121527.D

Acq: 8 Sep 2020 17:56

Instrument :

BNA_F

ClientSampleId :

PAV-B44-090320-10-20

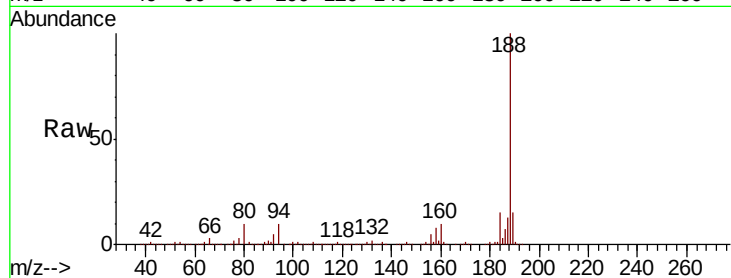
Tot Ion:188 Resp: 1191439

Ion Ratio Lower Upper

188 100

94 9.6 8.8 13.2

80 9.9 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

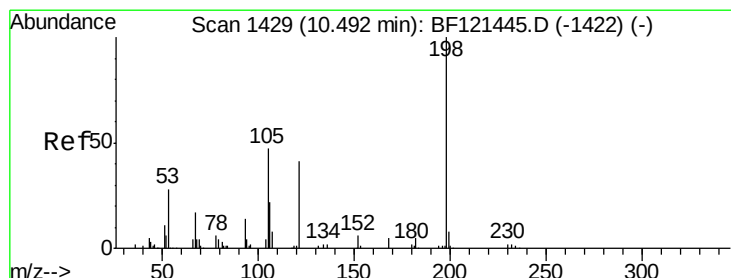
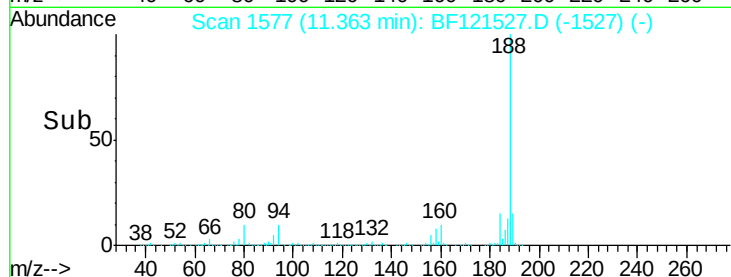
11.36

1000000

500000

0

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 6.183 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.18 min

Lab File: BF121527.D

Acq: 8 Sep 2020 17:56

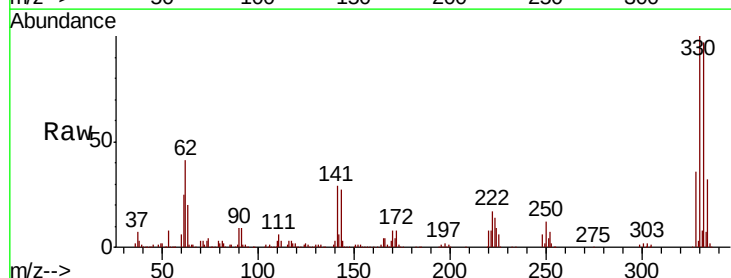
Tgt Ion:198 Resp: 1565

Ion Ratio Lower Upper

198 100

51 185.5 24.9 64.9#

105 215.1 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

4000

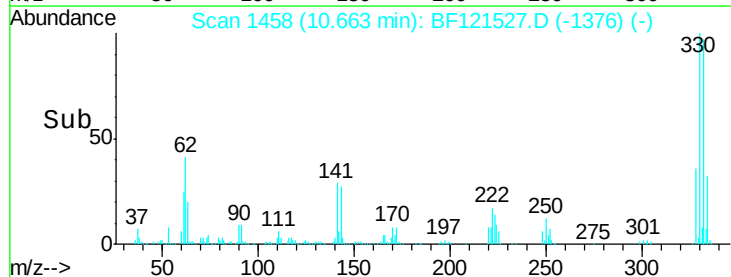
3000

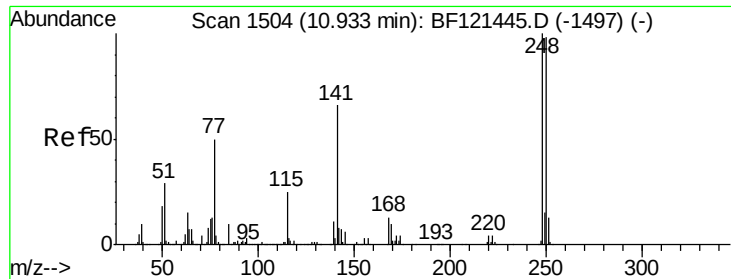
2000

1000

0

Time-->

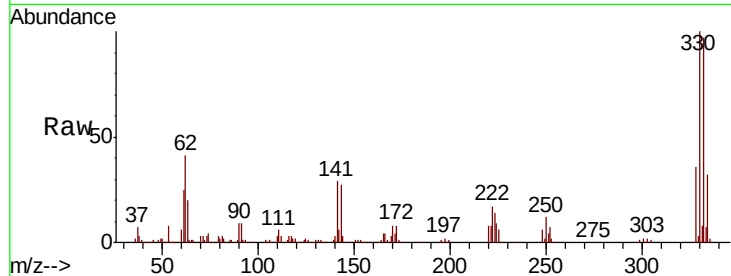




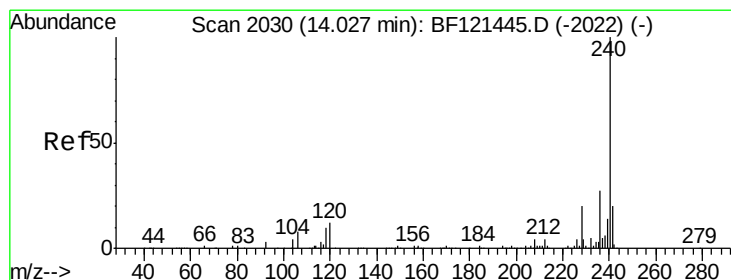
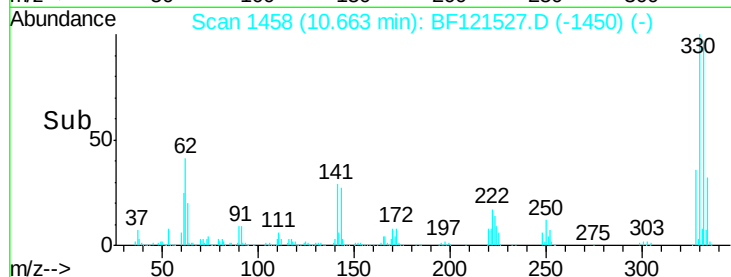
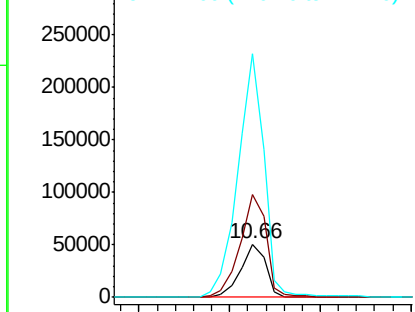
#67
4-Bromophenyl-phenylether
Concen: 3.812 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF121527.D
Acq: 8 Sep 2020 17:56

Instrument :
BNA_F
ClientSampleId :
PAV-B44-090320-10-20

Tot Ion:248 Resp: 49968
Ion Ratio Lower Upper
248 100
250 192.7 77.8 116.6#
141 455.2 56.4 84.6#

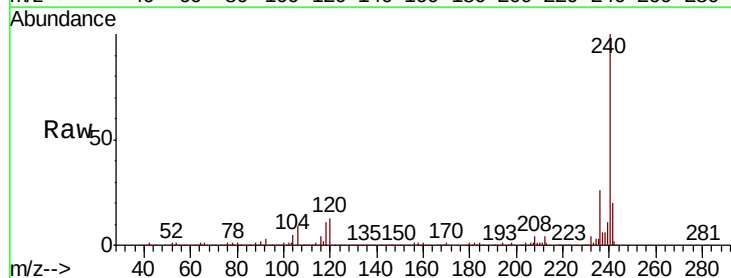


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

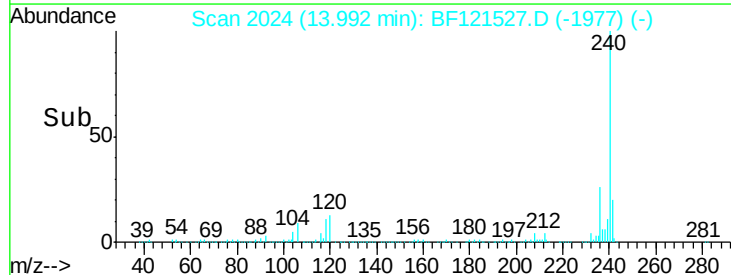
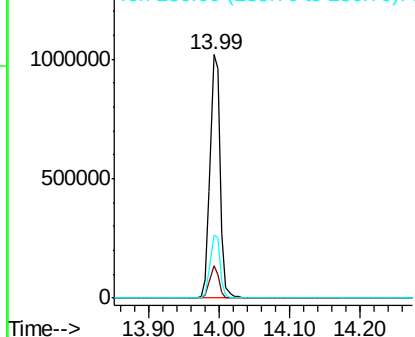


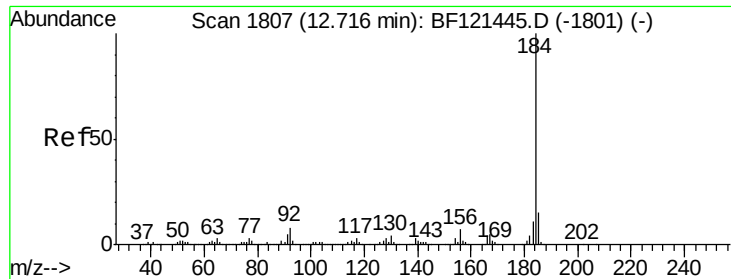
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF121527.D
Acq: 8 Sep 2020 17:56

Tgt Ion:240 Resp: 1014645
Ion Ratio Lower Upper
240 100
120 13.4 8.0 12.0#
236 26.2 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: 2.083 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.25 min

Lab File: BF121527.D

Acq: 8 Sep 2020 17:56

Instrument :

BNA_F

ClientSampleId :

PAV-B44-090320-10-20

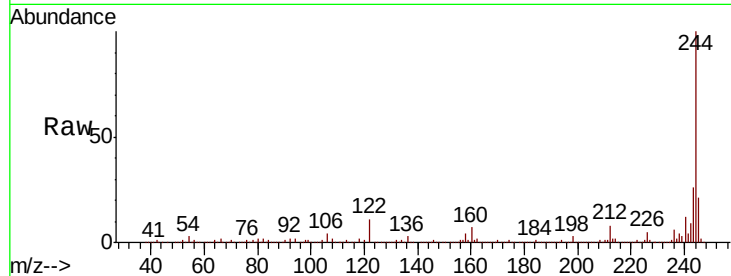
Tot Ion:184 Resp: 46103

Ion Ratio Lower Upper

184 100

185 17.6 11.5 17.3#

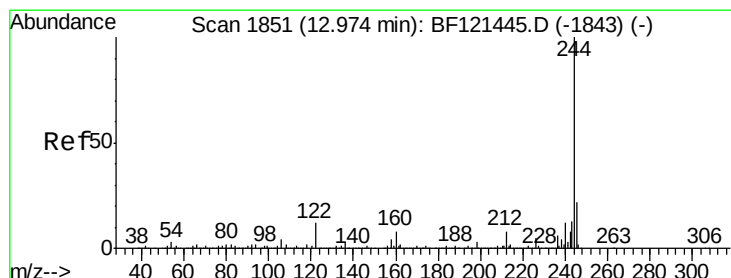
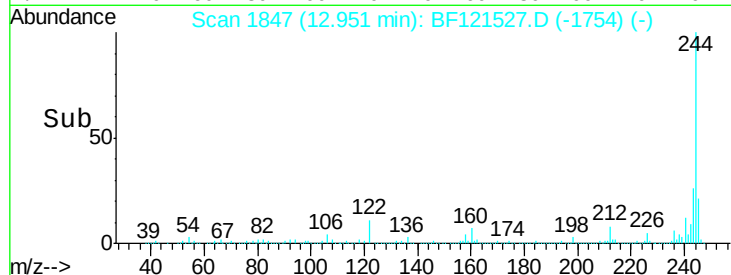
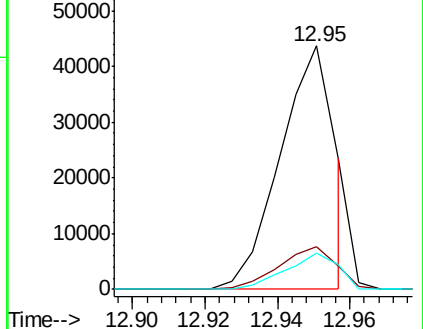
183 15.1 9.0 13.6#



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: 69.392 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF121527.D

Acq: 8 Sep 2020 17:56

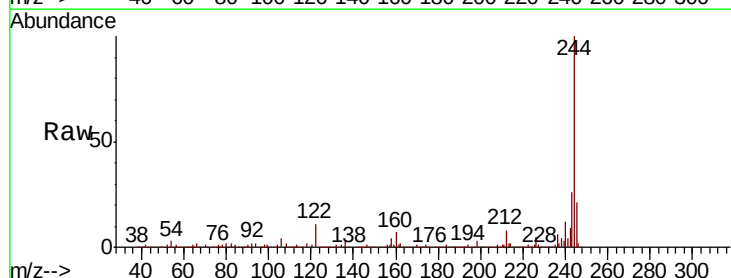
Tgt Ion:244 Resp: 3344872

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

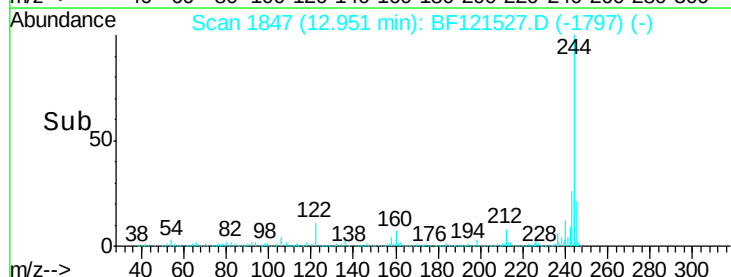
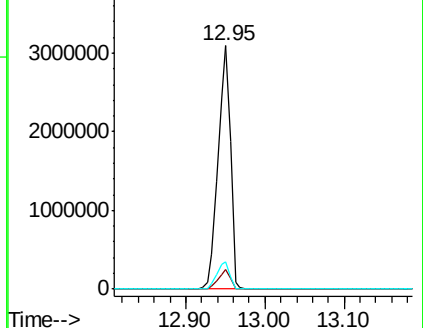
122 11.4 9.3 13.9

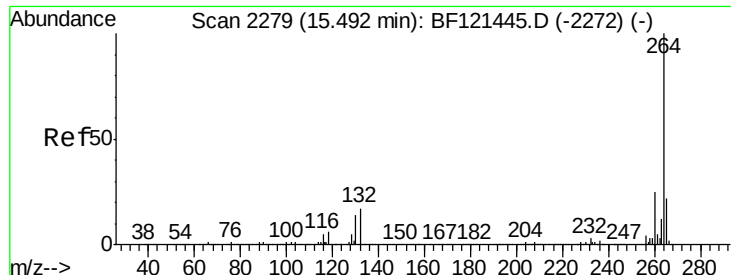


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF121527.D
Acq: 8 Sep 2020 17:56

Instrument :
BNA_F
ClientSampleId :
PAV-B44-090320-10-20

Tot Ion: 264 Resp: 887006

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.7	29.5
265	22.0	17.4	26.2

