

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090820\
 Data File : BF121526.D
 Acq On : 8 Sep 2020 17:25
 Operator : JU/CG
 Sample : L3808-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B44-090320-0-10

Quant Time: Sep 08 19:01:24 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	311235	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1195398	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	630372	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	1185063	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	1030107	20.00	ng	-0.02
86) Perylene-d12	15.45	264	941261	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1832167	98.76	ng	0.01
7) Phenol-d6	6.47	99	2173336	83.83	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1700950	97.28	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	902429	141.73	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	3026728	77.47	ng	-0.01
79) Terphenyl-d14	12.95	244	3509894	71.72	ng	0.00

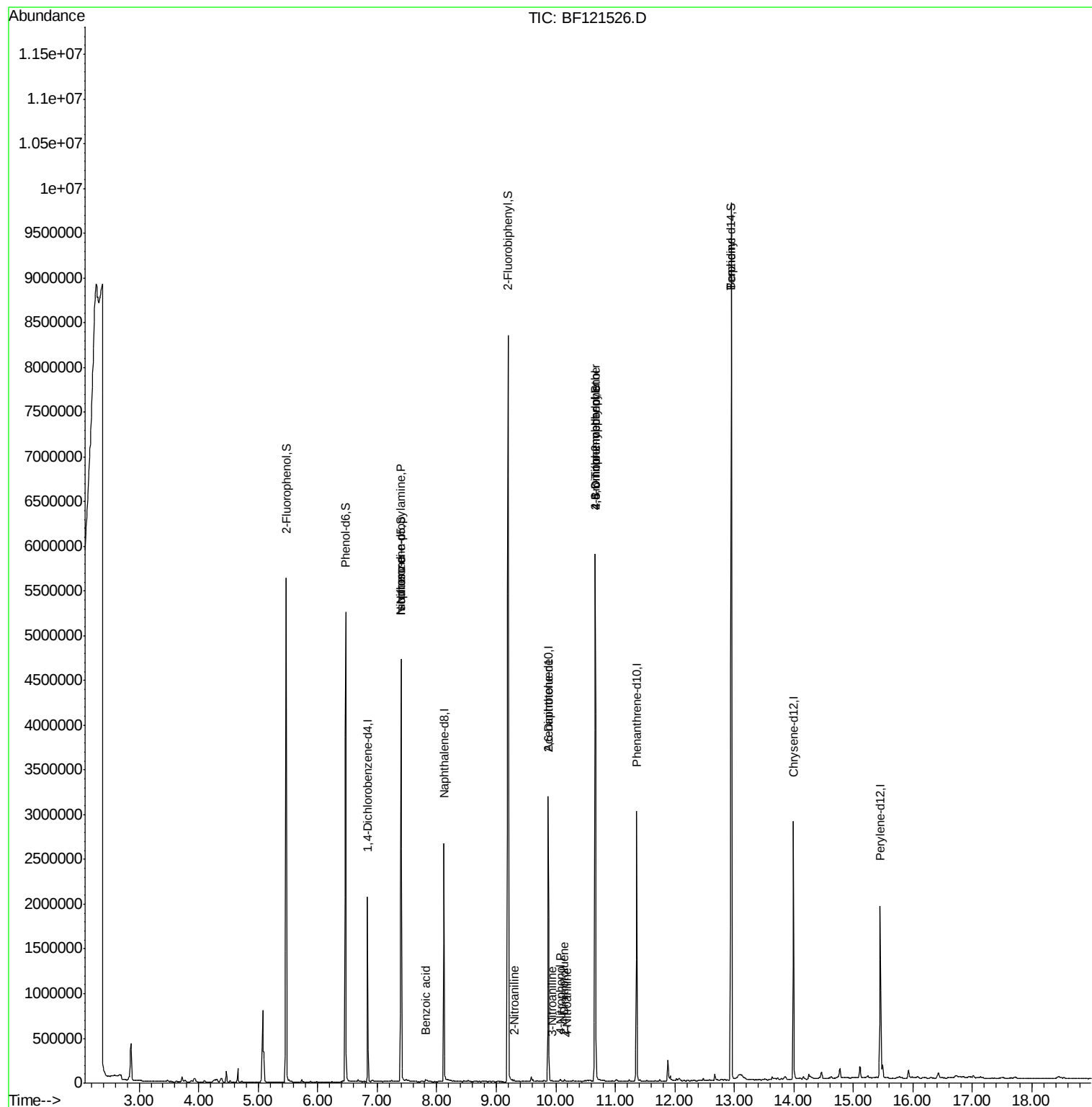
Target Compounds				Qvalue		
9) Benzaldehyde	6.39	77	2882	Below Cal		86
19) n-Nitroso-di-n-propylamine	7.40	70	223391	15.420 ng	#	78
25) Isophorone	7.40	82	1691045	42.998 ng	#	63
32) Benzoic acid	7.82	122	10204	7.937 ng		92
48) 2-Nitroaniline	9.30	65	245	6.667 ng	#	31
51) 2,6-Dinitrotoluene	9.87	165	82174	15.190 ng	#	23
53) 3-Nitroaniline	9.94	138	523	5.497 ng	#	1
56) 4-Nitrophenol	10.08	139	250	7.883 ng	#	32
57) 2,4-Dinitrotoluene	10.15	165	2961	7.527 ng	#	32
62) 4-Nitroaniline	10.19	138	222	4.554 ng	#	20
65) 4,6-Dinitro-2-methylphenol	10.66	198	1582	6.196 ng	#	1
67) 4-Bromophenyl-phenylether	10.66	248	51388	3.942 ng	#	1
77) Benzidine	12.95	184	49047	2.183 ng	#	91

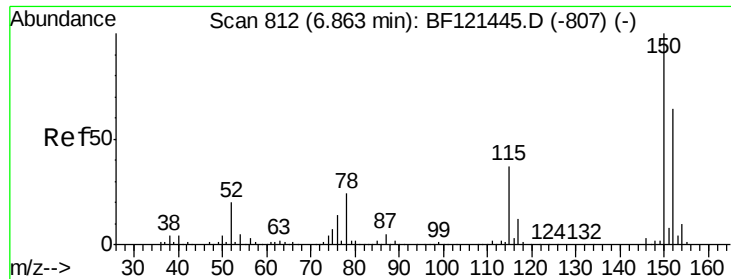
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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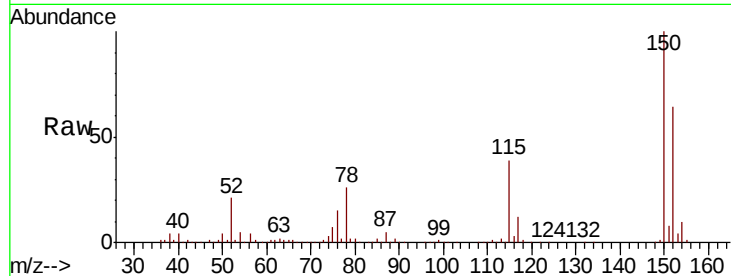


#1

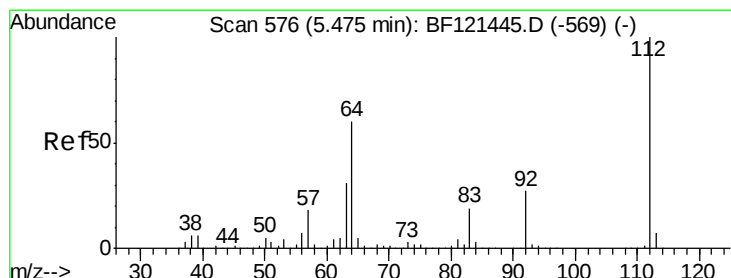
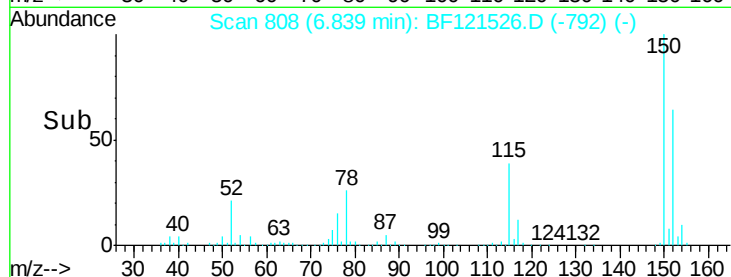
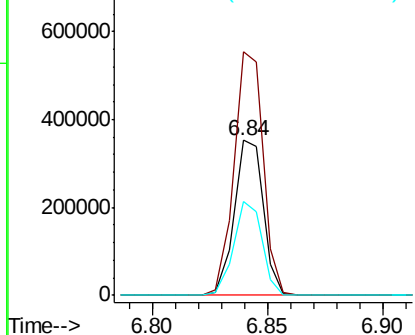
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF121526.D
Acq: 8 Sep 2020 17:25

Instrument :
BNA_F
ClientSampleId :
PAV-B44-090320-0-10

Tot Ion:152 Resp: 311235
Ion Ratio Lower Upper
152 100
150 156.9 126.1 189.1
115 60.8 48.4 72.6



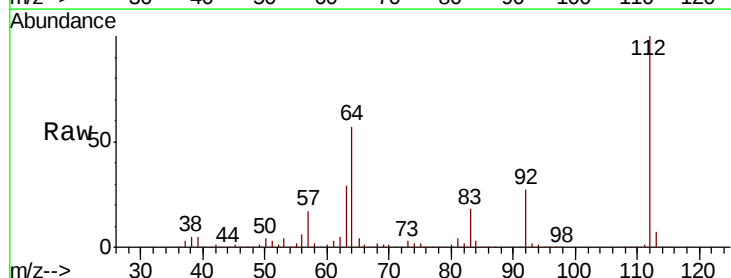
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



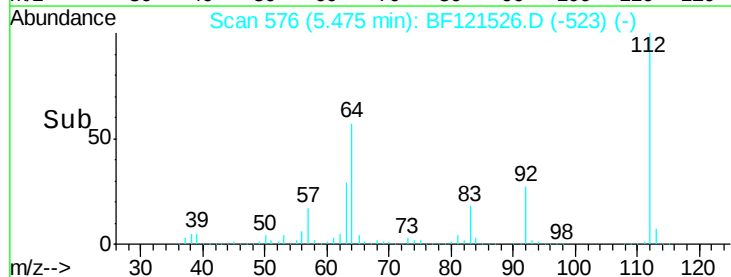
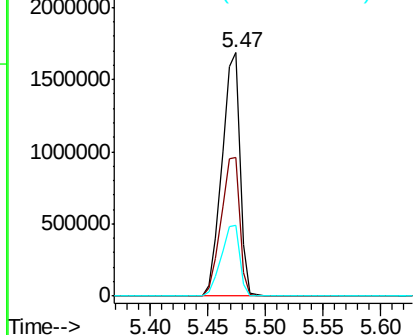
#5

2-Fluorophenol
Concen: 98.765 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF121526.D
Acq: 8 Sep 2020 17:25

Tgt Ion:112 Resp: 1832167
Ion Ratio Lower Upper
112 100
64 56.8 46.0 69.0
63 28.9 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: 83.834 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF121526.D

Acq: 8 Sep 2020 17:25

Instrument :

BNA_F

ClientSampleId :

PAV-B44-090320-0-10

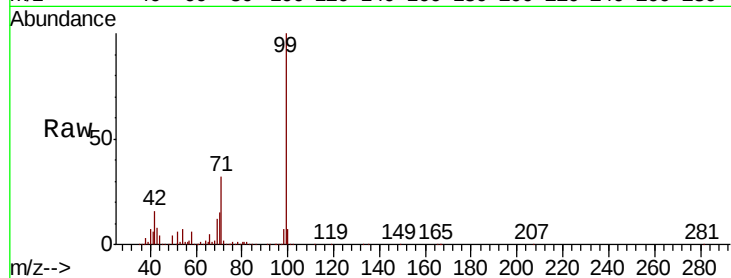
Tot Ion: 99 Resp: 2173336

Ion Ratio Lower Upper

99 100

42 16.4 13.0 19.4

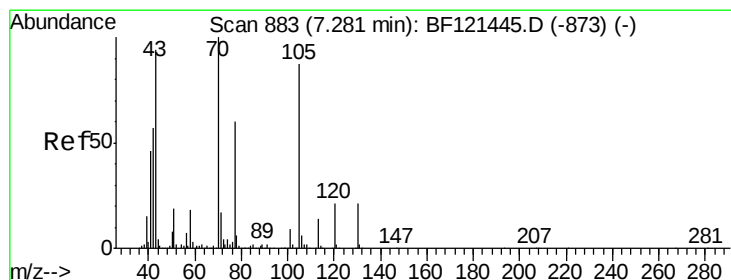
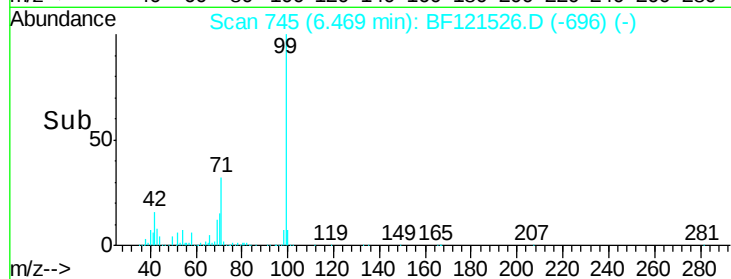
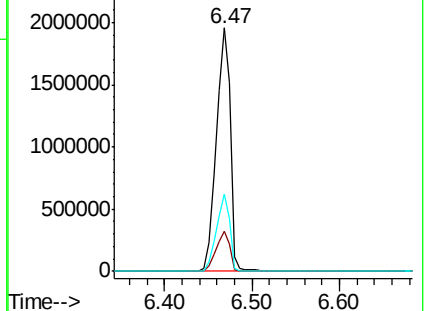
71 31.5 24.8 37.2



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: 15.420 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF121526.D

Acq: 8 Sep 2020 17:25

Tgt Ion: 70 Resp: 223391

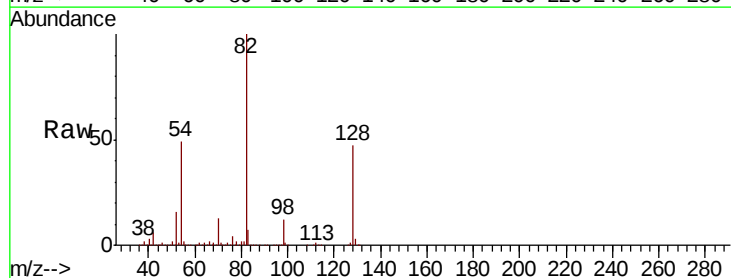
Ion Ratio Lower Upper

70 100

42 44.7 42.0 63.0

101 0.0 8.1 12.1#

130 2.0 18.3 27.5#

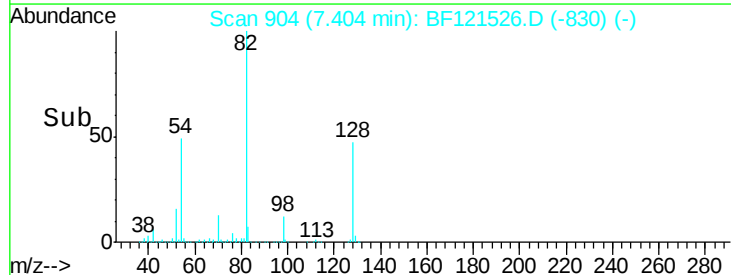
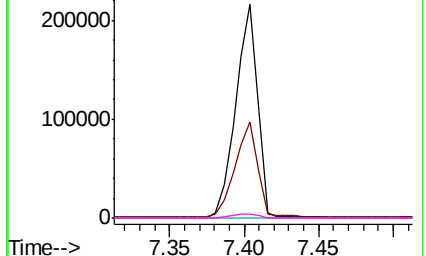


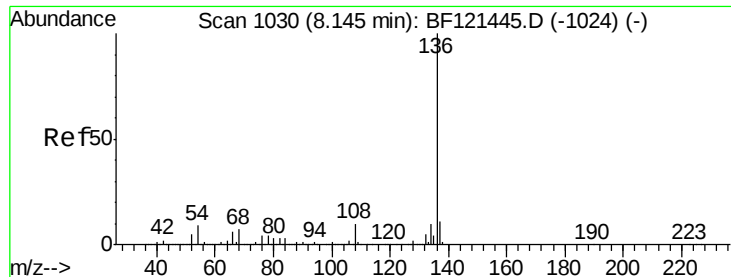
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF121526.D

Acq: 8 Sep 2020 17:25

Instrument :

BNA_F

ClientSampleId :

PAV-B44-090320-0-10

Tot Ion:136 Resp: 1195398

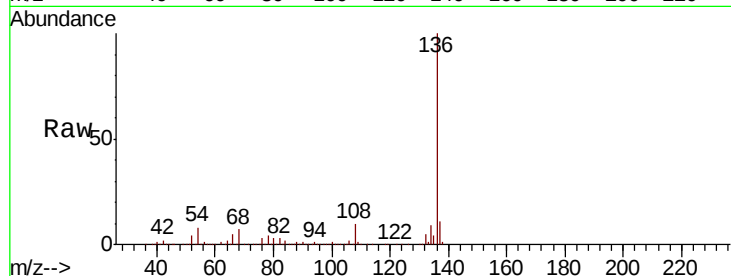
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.1 6.2 9.4

68 6.9 5.1 7.7

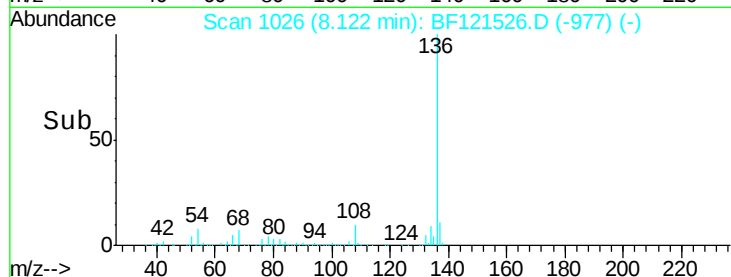


Abundance Ion 136.00 (135.70 to 136.70): E

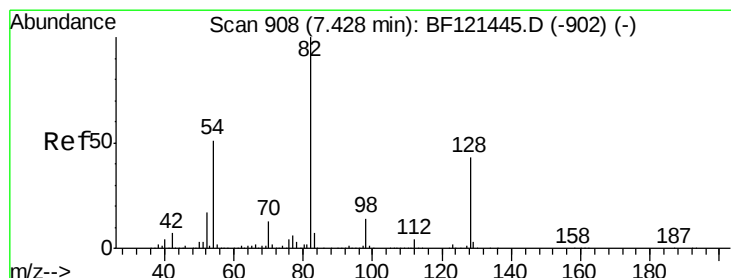
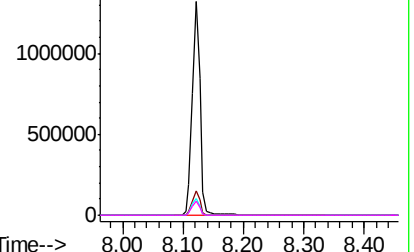
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 97.278 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF121526.D

Acq: 8 Sep 2020 17:25

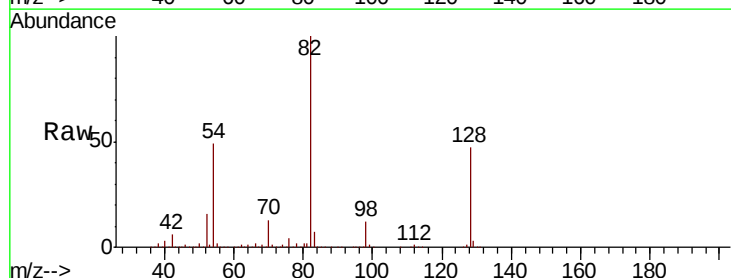
Tgt Ion: 82 Resp: 1700950

Ion Ratio Lower Upper

82 100

128 46.9 37.3 55.9

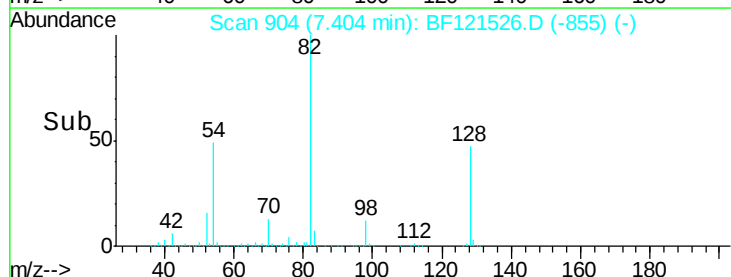
54 49.2 39.0 58.6



Abundance Ion 82.00 (81.70 to 82.70): BF1

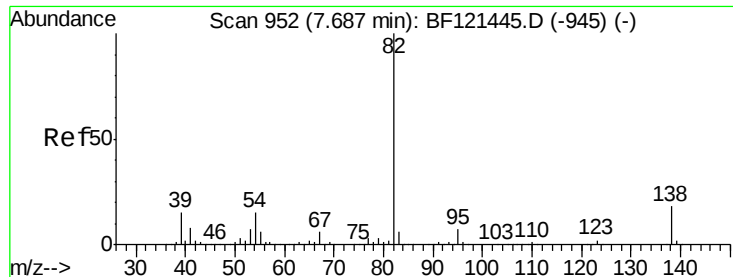
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 42.998 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF121526.D

Acq: 8 Sep 2020 17:25

Instrument :

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ClientSampleId :

PAV-B44-090320-0-10

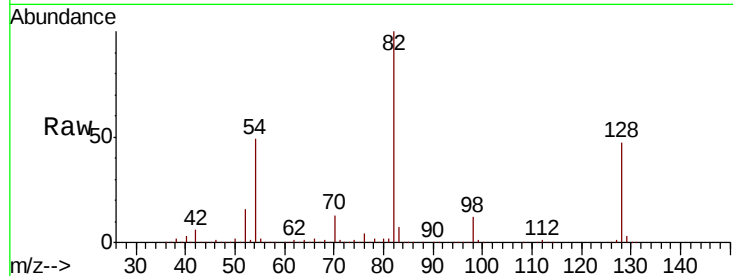
Tot Ion: 82 Resp: 1691045

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

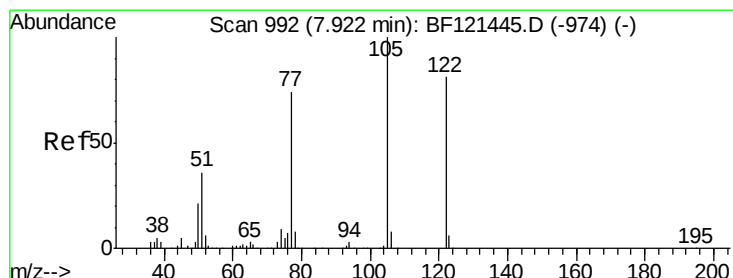
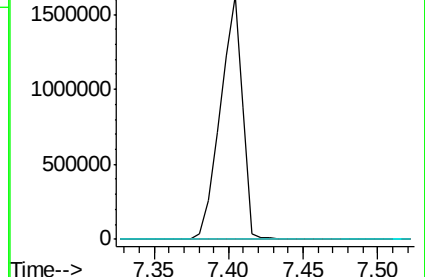
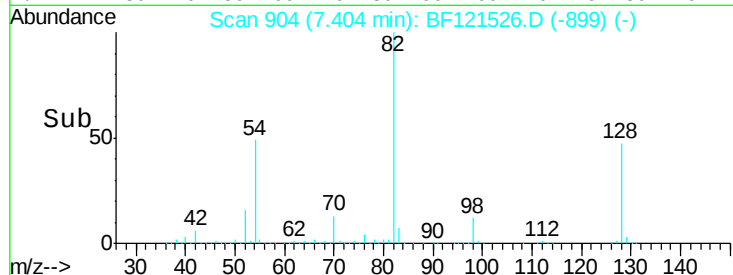
138 0.0 15.6 23.4#



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



#32

Benzoic acid

Concen: 7.937 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.10 min

Lab File: BF121526.D

Acq: 8 Sep 2020 17:25

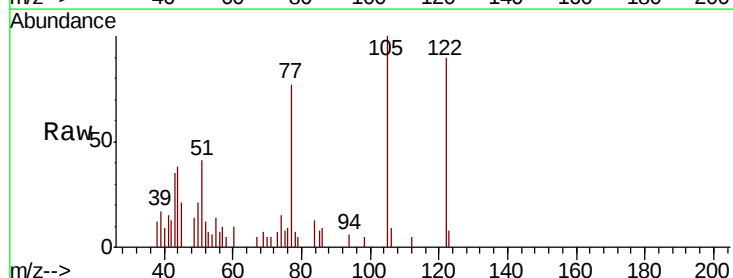
Tgt Ion: 122 Resp: 10204

Ion Ratio Lower Upper

122 100

105 110.9 102.2 142.2

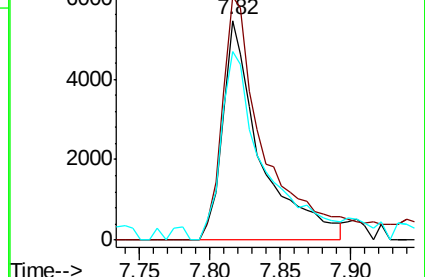
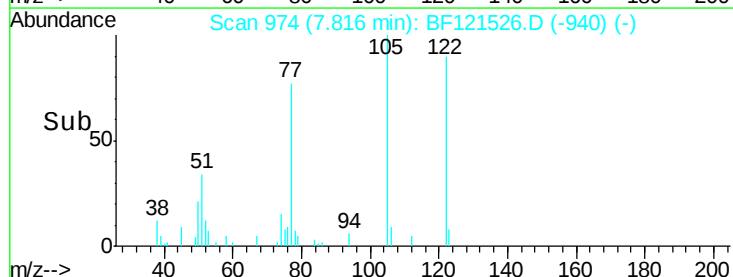
77 85.7 69.8 109.8

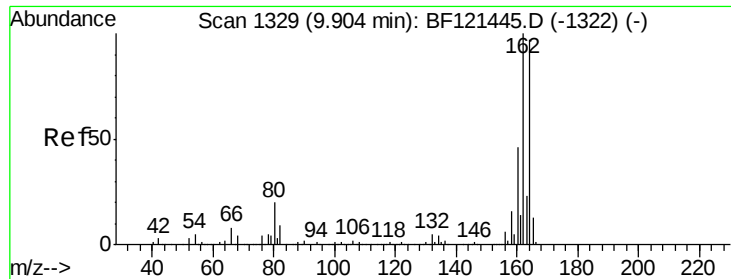


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

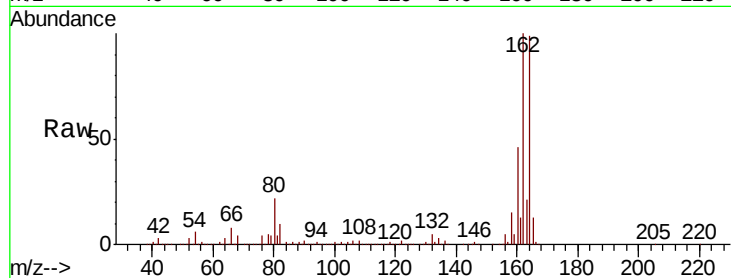




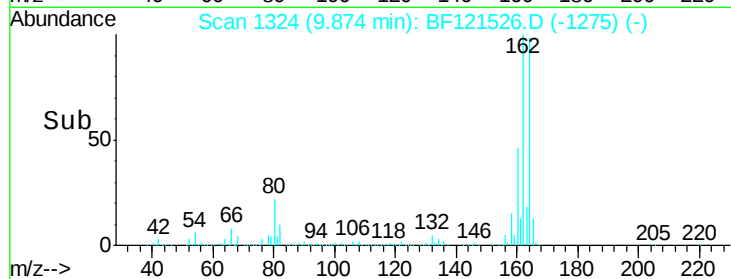
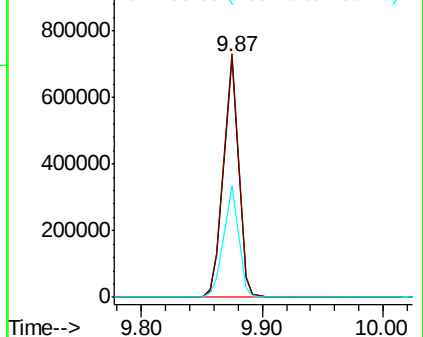
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF121526.D
 Acq: 8 Sep 2020 17:25

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B44-090320-0-10

Tot Ion:164 Resp: 630372
 Ion Ratio Lower Upper
 164 100
 162 101.5 80.5 120.7
 160 46.6 36.2 54.4

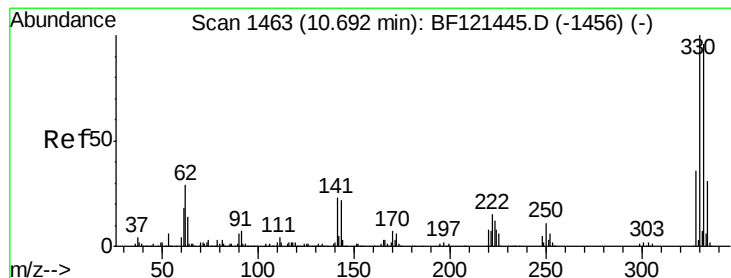


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

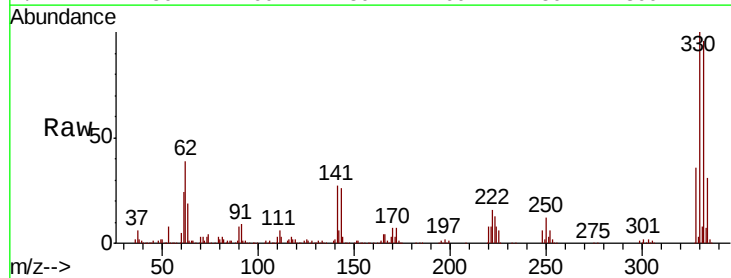
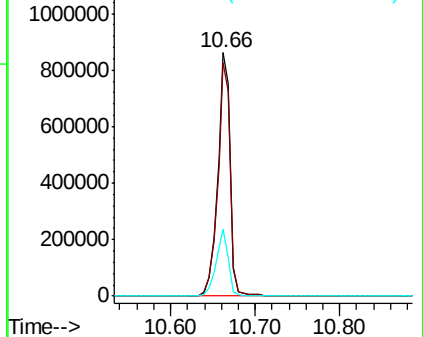


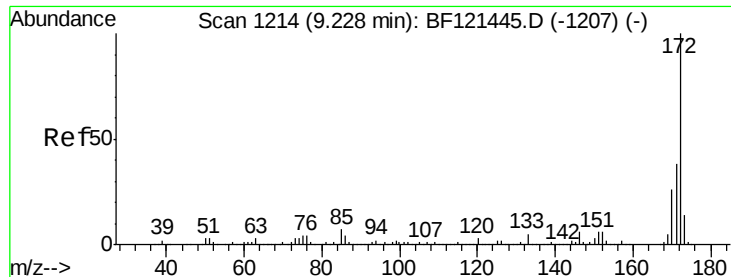
#42
 2,4,6-Tribromophenol
 Concen: 141.733 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF121526.D
 Acq: 8 Sep 2020 17:25

Tgt Ion:330 Resp: 902429
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.2 114.2
 141 27.5 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

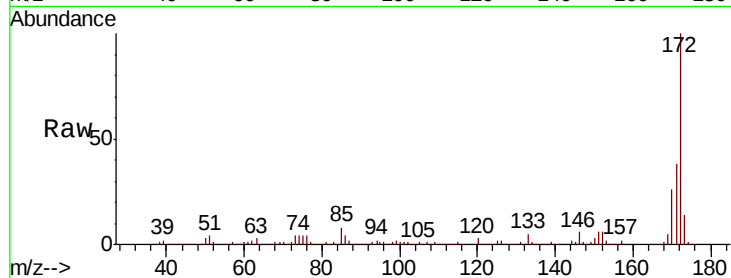




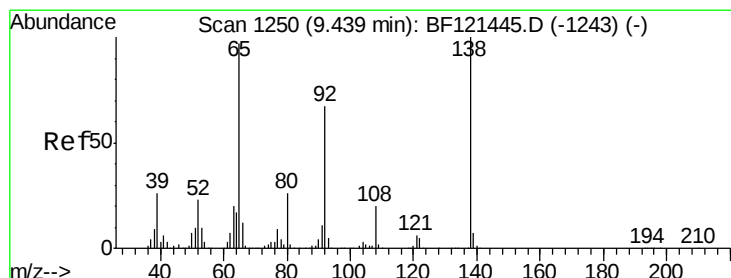
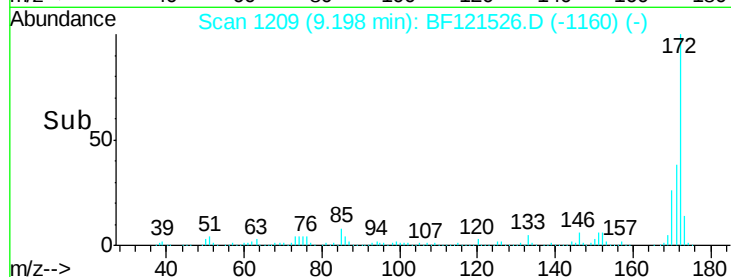
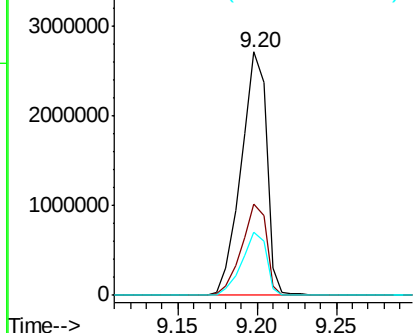
#45
 2-Fluorobiphenyl
 Concen: 77.474 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF121526.D
 Acq: 8 Sep 2020 17:25

Instrument :
 BNA_F
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 PAV-B44-090320-0-10

Tot Ion:172 Resp: 3026728
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.4 45.6
 170 25.7 20.7 31.1

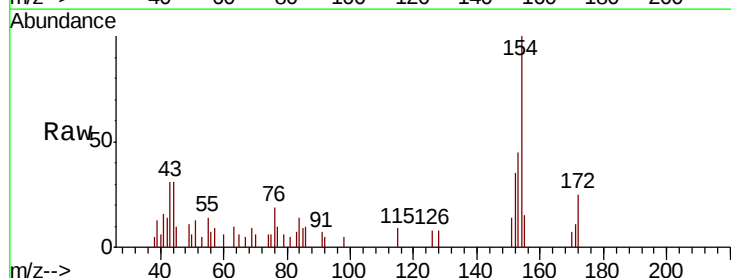


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

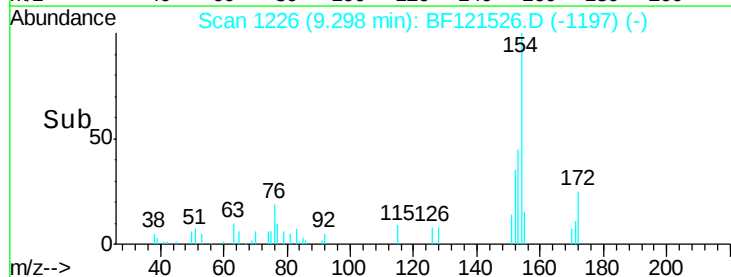
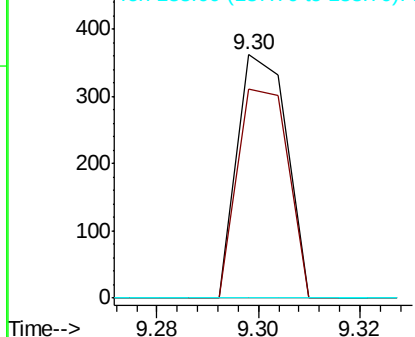


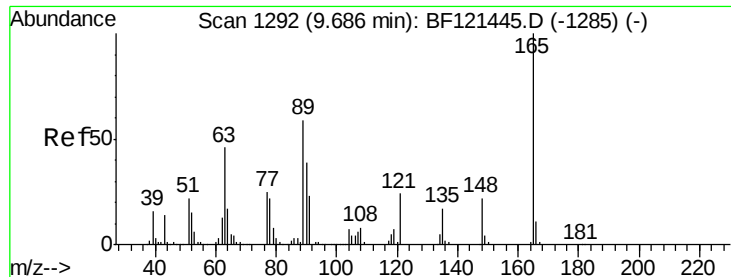
#48
 2-Nitroaniline
 Concen: 6.667 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.13 min
 Lab File: BF121526.D
 Acq: 8 Sep 2020 17:25

Tgt Ion: 65 Resp: 245
 Ion Ratio Lower Upper
 65 100
 92 85.6 58.6 87.8
 138 0.0 88.6 133.0#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E

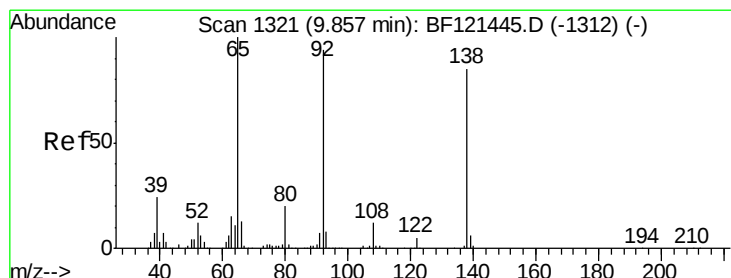
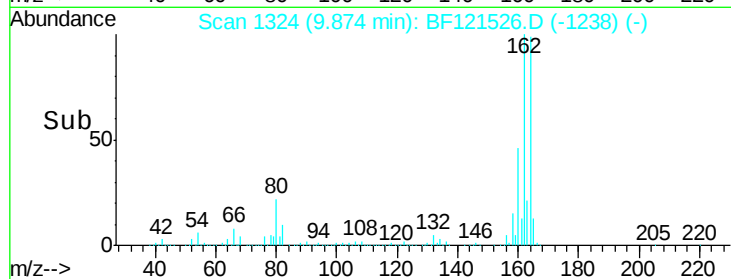
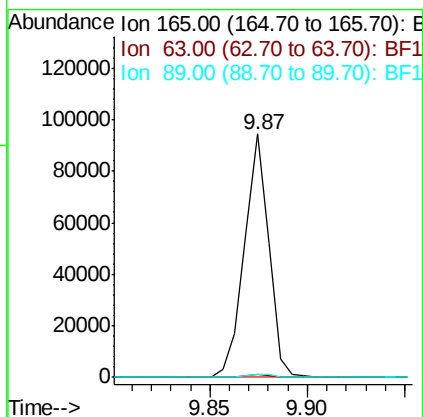
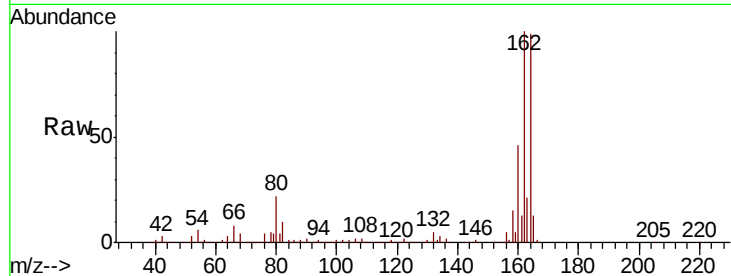




#51
 2,6-Dinitrotoluene
 Concen: 15.190 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.21 min
 Lab File: BF121526.D
 Acq: 8 Sep 2020 17:25

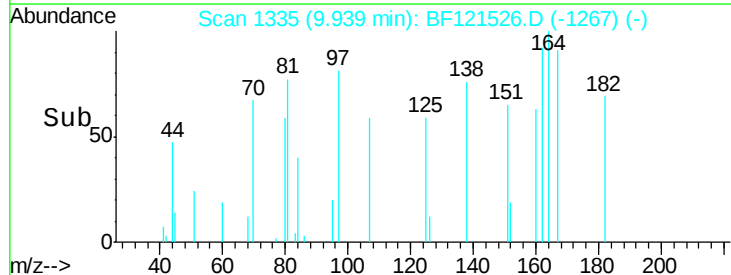
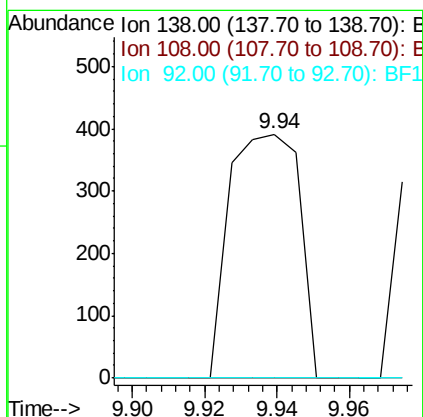
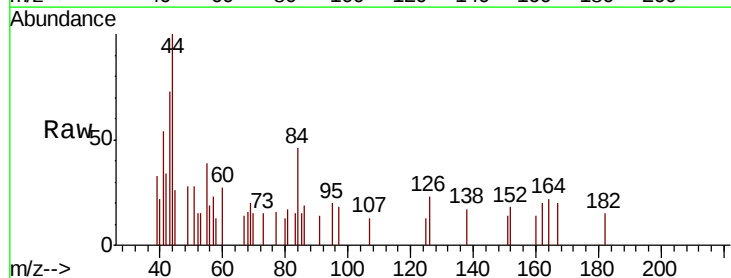
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B44-090320-0-10

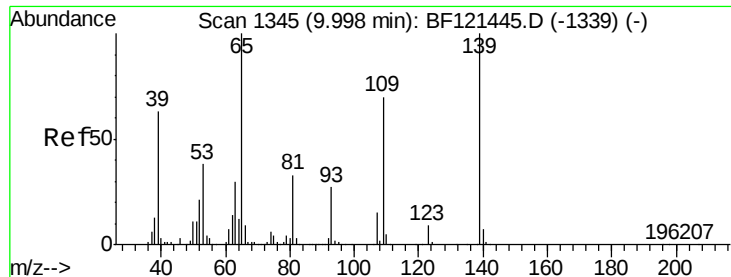
Tot Ion:165 Resp: 82174
 Ion Ratio Lower Upper
 165 100
 63 1.1 47.4 71.0#
 89 1.5 47.9 71.9#



#53
 3-Nitroaniline
 Concen: 5.497 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.10 min
 Lab File: BF121526.D
 Acq: 8 Sep 2020 17:25

Tgt Ion:138 Resp: 523
 Ion Ratio Lower Upper
 138 100
 108 0.0 8.7 13.1#
 92 0.0 91.1 136.7#





#56

4-Nitrophenol

Concen: 7.883 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.09 min

Lab File: BF121526.D

Acq: 8 Sep 2020 17:25

Instrument :

BNA_F

ClientSampleId :

PAV-B44-090320-0-10

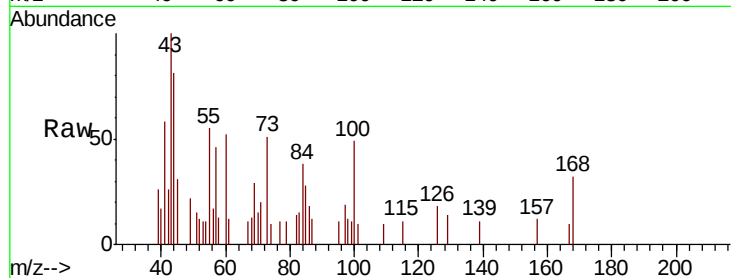
Tot Ion:139 Resp: 250

Ion Ratio Lower Upper

139 100

109 88.2 44.3 84.3#

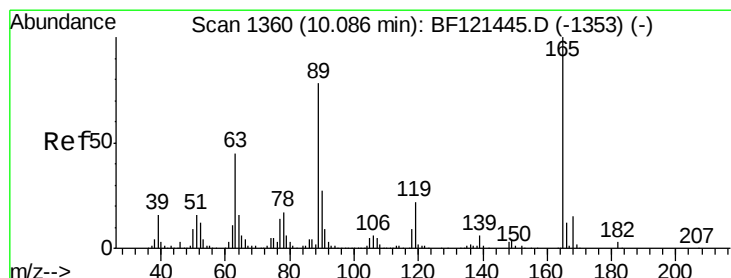
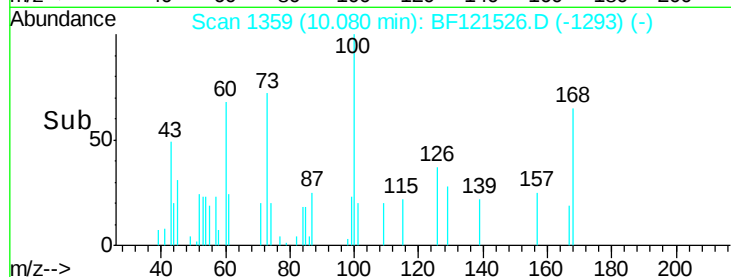
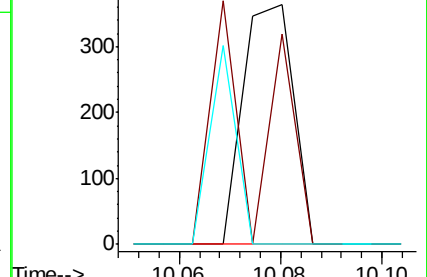
65 0.0 70.2 110.2#



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: 7.527 ng

RT: 10.15 min Scan# 1370

Delta R.T. 0.07 min

Lab File: BF121526.D

Acq: 8 Sep 2020 17:25

Tgt Ion:165 Resp: 2961

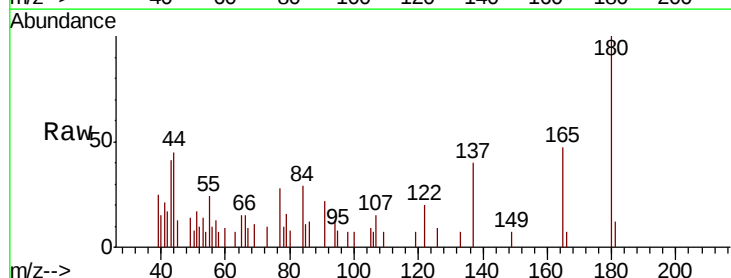
Ion Ratio Lower Upper

165 100

63 15.2 33.6 50.4#

89 0.0 56.4 84.6#

182 0.0 2.2 3.4#

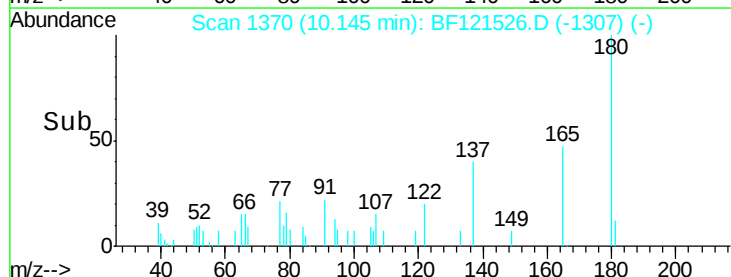
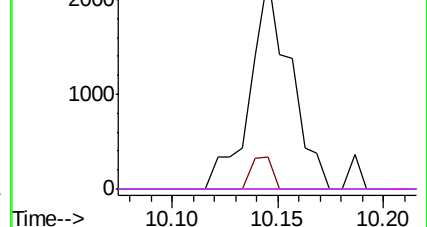


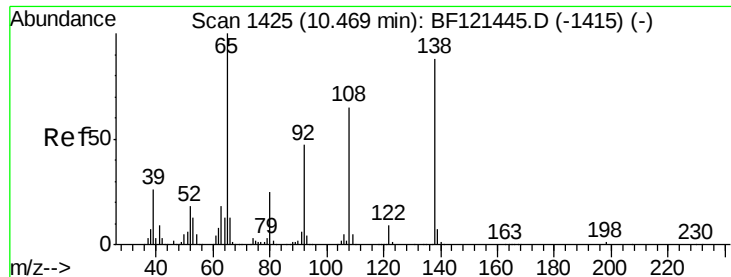
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

4-Nitroaniline

Concen: 4.554 ng

RT: 10.19 min Scan# 1378

Delta R.T. -0.26 min

Lab File: BF121526.D

Acq: 8 Sep 2020 17:25

Instrument :

BNA_F

ClientSampleId :

PAV-B44-090320-0-10

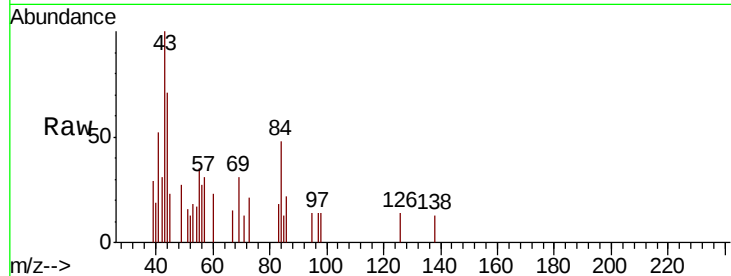
Tot Ion:138 Resp: 222

Ion Ratio Lower Upper

138 100

92 0.0 32.2 72.2#

108 0.0 49.1 89.1#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E

600

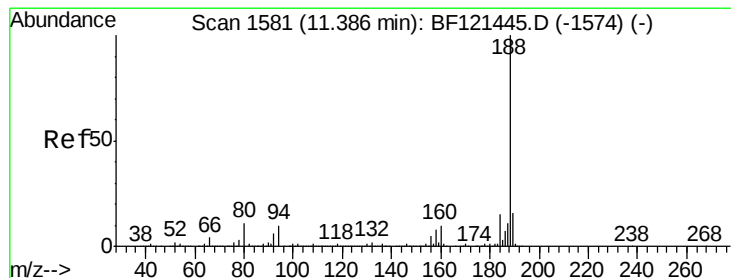
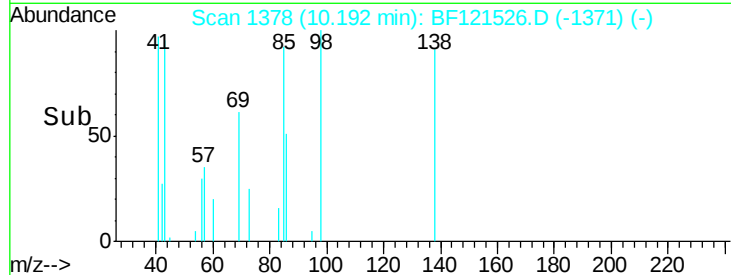
400

200

0

10.18 10.19 10.20

Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF121526.D

Acq: 8 Sep 2020 17:25

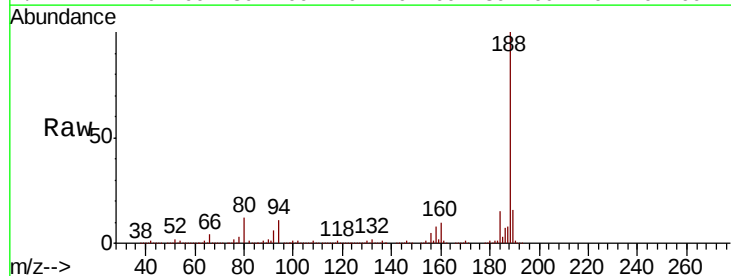
Tgt Ion:188 Resp: 1185063

Ion Ratio Lower Upper

188 100

94 11.2 8.8 13.2

80 11.7 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

1500000

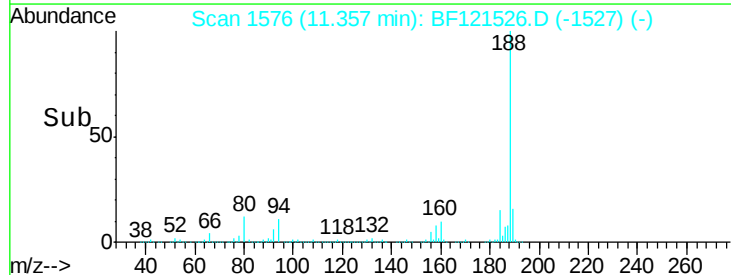
1000000

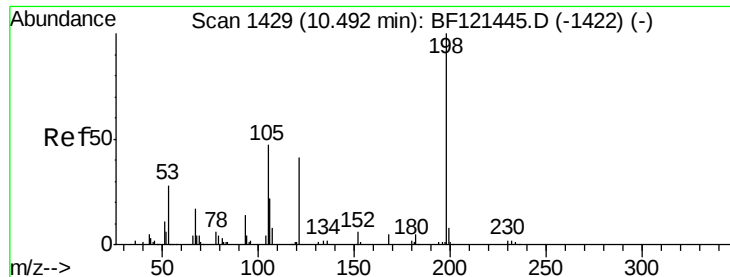
500000

0

11.30 11.35 11.40

Time-->

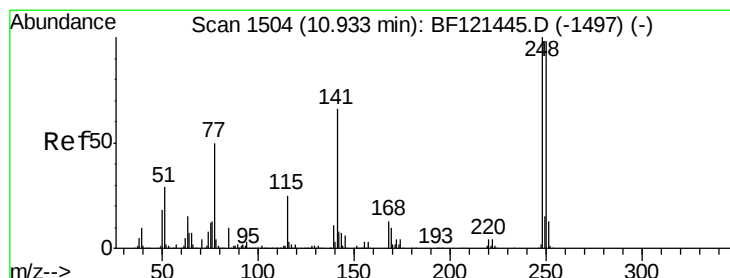
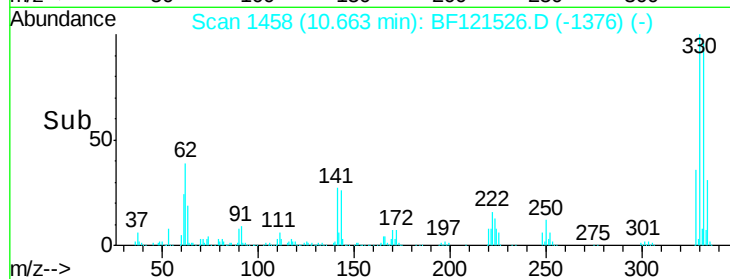
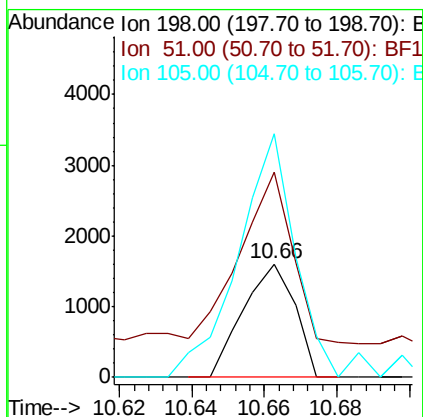
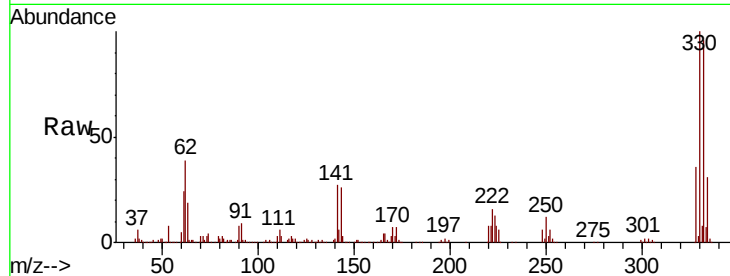




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.196 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.18 min
 Lab File: BF121526.D
 Acq: 8 Sep 2020 17:25

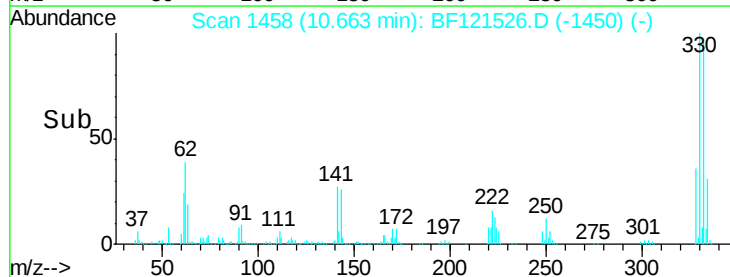
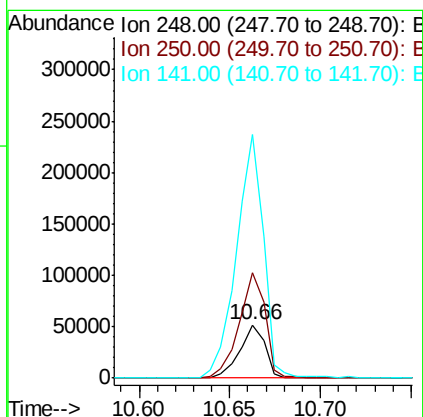
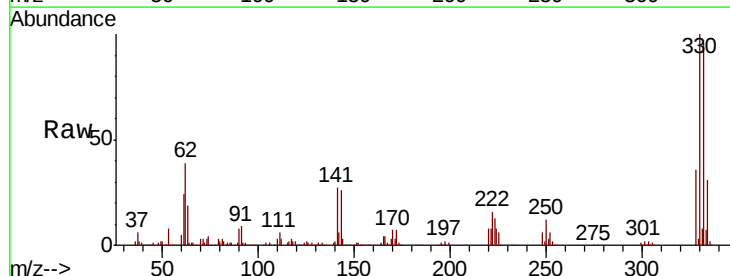
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B44-090320-0-10

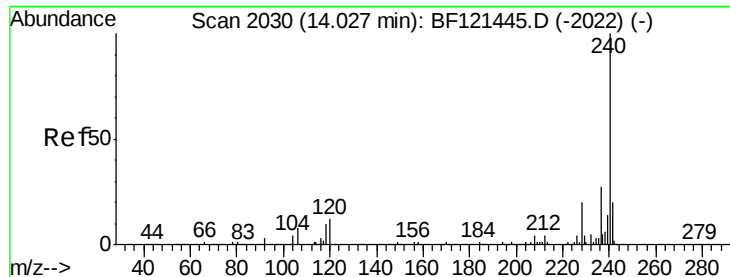
Tot Ion:198 Resp: 1582
 Ion Ratio Lower Upper
 198 100
 51 180.6 24.9 64.9#
 105 214.3 25.8 65.8#



#67
 4-Bromophenyl-phenylether
 Concen: 3.942 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF121526.D
 Acq: 8 Sep 2020 17:25

Tgt Ion:248 Resp: 51388
 Ion Ratio Lower Upper
 248 100
 250 196.4 77.8 116.6#
 141 455.4 56.4 84.6#

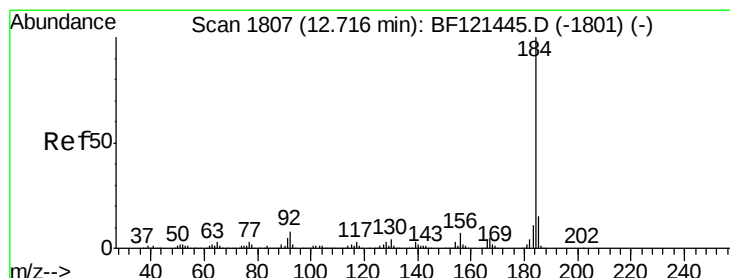
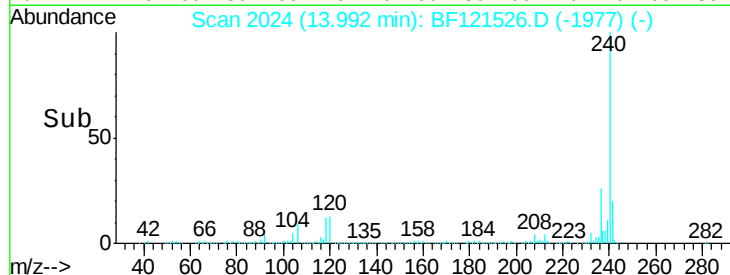
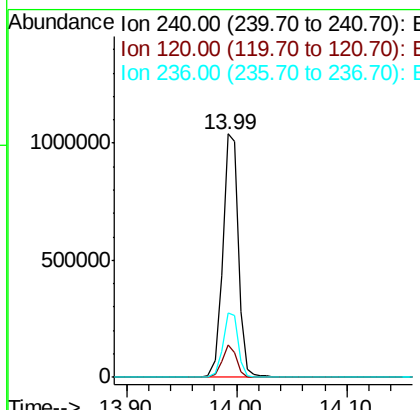
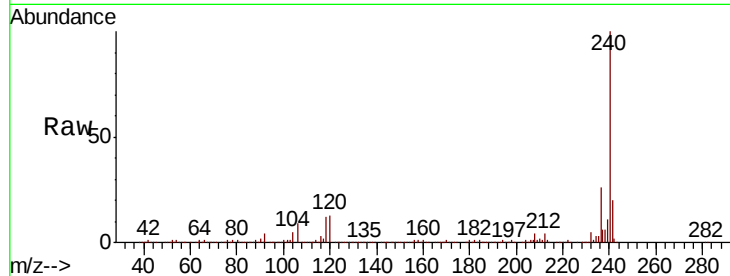




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BF121526.D
 Acq: 8 Sep 2020 17:25

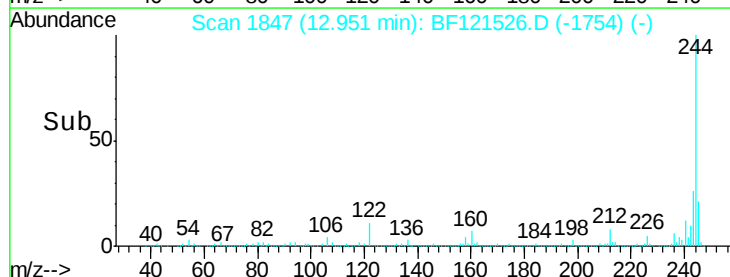
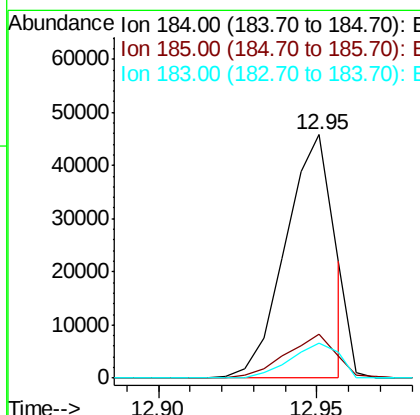
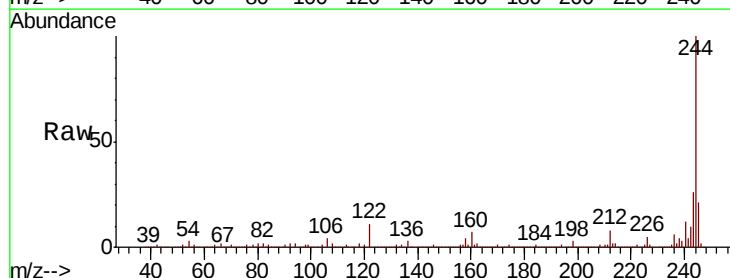
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B44-090320-0-10

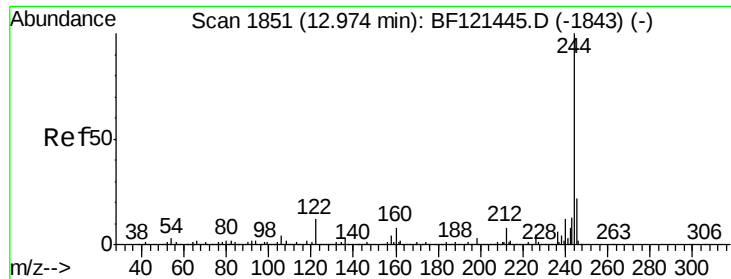
Tot Ion:240 Resp: 1030107
 Ion Ratio Lower Upper
 240 100
 120 13.2 8.0 12.0#
 236 26.2 21.4 32.2



#77
 Benzidine
 Concen: 2.183 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. 0.25 min
 Lab File: BF121526.D
 Acq: 8 Sep 2020 17:25

Tgt Ion:184 Resp: 49047
 Ion Ratio Lower Upper
 184 100
 185 18.2 11.5 17.3#
 183 14.2 9.0 13.6#





#79

Terphenyl-d14

Concen: 71.722 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF121526.D

Acq: 8 Sep 2020 17:25

Instrument :

BNA_F

ClientSampleId :

PAV-B44-090320-0-10

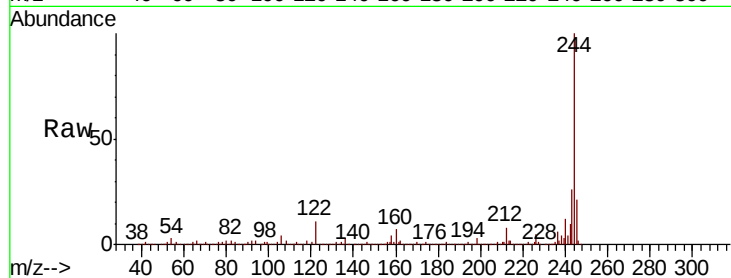
Tot Ion:244 Resp: 3509894

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

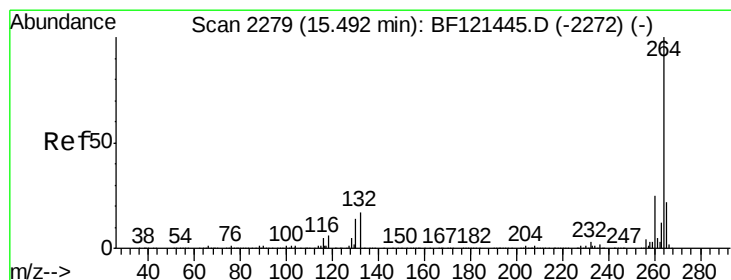
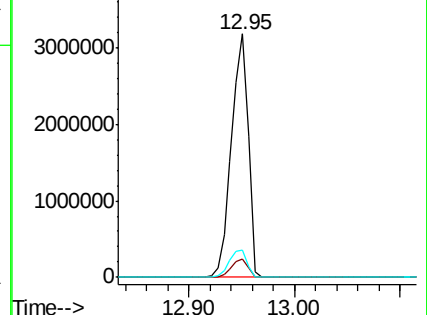
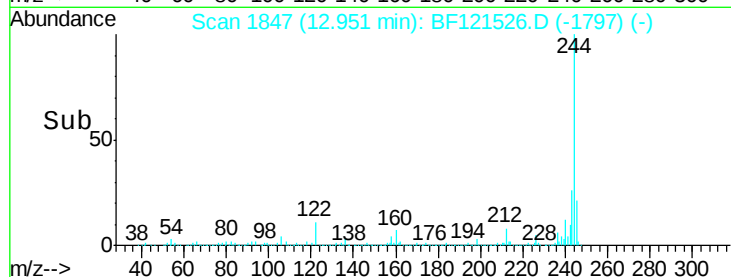
122 11.1 9.3 13.9



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

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.02 min

Lab File: BF121526.D

Acq: 8 Sep 2020 17:25

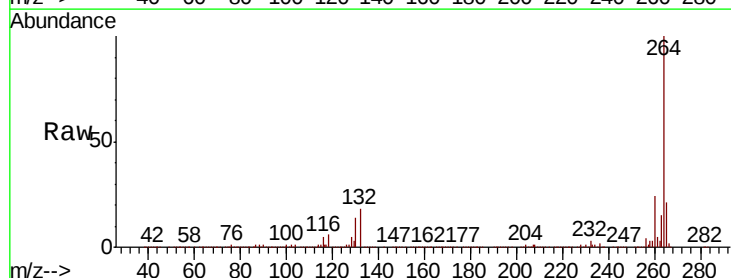
Tgt Ion:264 Resp: 941261

Ion Ratio Lower Upper

264 100

260 23.5 19.7 29.5

265 21.3 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

