

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090820\
 Data File : BF121536.D
 Acq On : 8 Sep 2020 22:34
 Operator : JU/CG
 Sample : L3915-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-PM-A2-10-14-C

Quant Time: Sep 09 02:39:09 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	315965	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1218048	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	630389	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	1207363	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	1009757	20.00	ng	-0.02
86) Perylene-d12	15.45	264	885108	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1913540	101.61	ng	0.00
7) Phenol-d6	6.47	99	2258997	85.83	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1799090	100.98	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	928153	145.77	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	3069025	78.55	ng	-0.01
79) Terphenyl-d14	12.95	244	3470476	72.35	ng	0.00

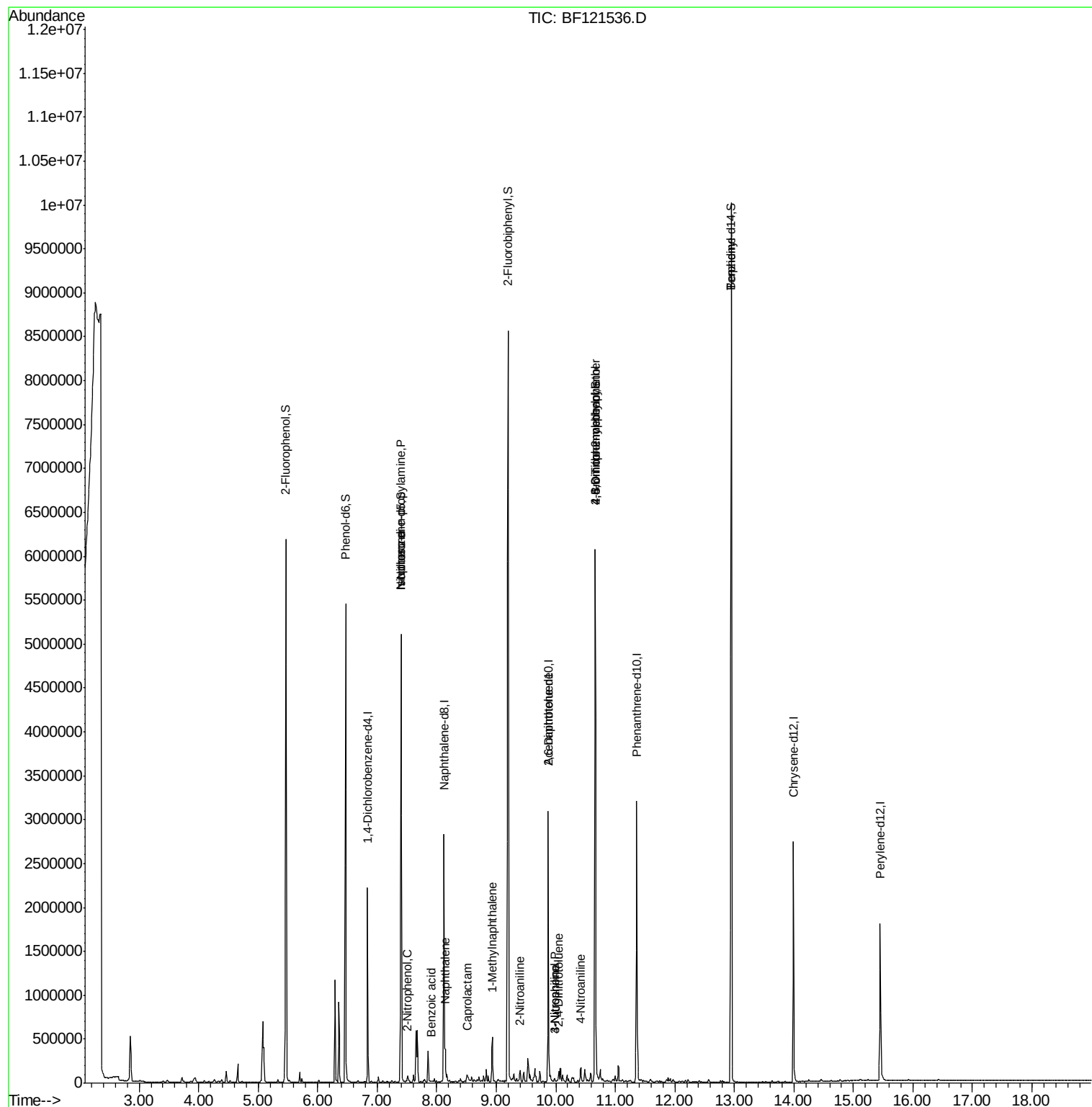
Target Compounds				Qvalue		
9) Benzaldehyde	6.39	77	1199	Below Cal	#	77
19) n-Nitroso-di-n-propylamine	7.40	70	237845	16.172 ng	#	78
25) Isophorone	7.40	82	1787226	44.598 ng	#	63
26) 2-Nitrophenol	7.51	139	844	4.897 ng	#	35
31) Naphthalene	8.15	128	143703	2.376 ng		98
32) Benzoic acid	7.91	122	3823	7.134 ng	#	42
35) Caprolactam	8.52	113	14479	2.705 ng		95
38) 1-Methylnaphthalene	8.93	142	131505	3.476 ng		100
48) 2-Nitroaniline	9.40	65	2501	6.844 ng	#	2
51) 2,6-Dinitrotoluene	9.87	165	83147	15.294 ng	#	23
53) 3-Nitroaniline	9.97	138	447	5.490 ng	#	1
56) 4-Nitrophenol	9.98	139	1105	7.976 ng	#	42
57) 2,4-Dinitrotoluene	10.05	165	4379	7.648 ng	#	61
62) 4-Nitroaniline	10.42	138	499	4.578 ng	#	20
65) 4,6-Dinitro-2-methylphenol	10.66	198	1769	6.274 ng	#	1
67) 4-Bromophenyl-phenylether	10.66	248	52382	3.944 ng	#	1
77) Benzidine	12.95	184	47750	2.168 ng	#	89

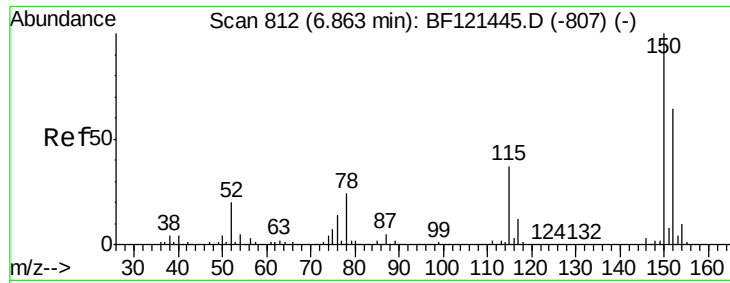
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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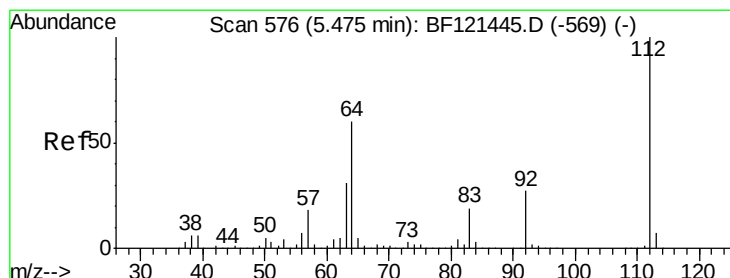
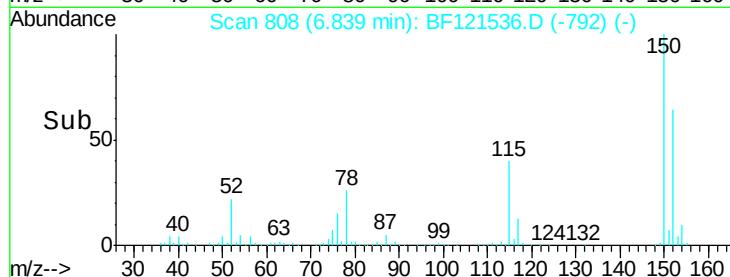
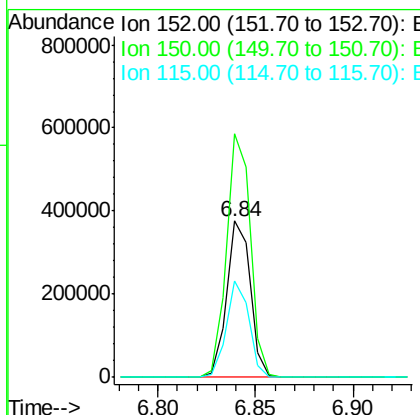
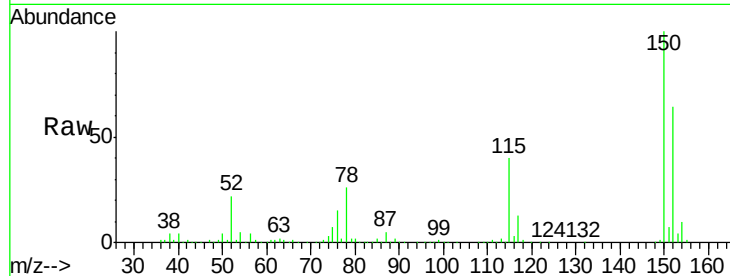




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF121536.D
 Acq: 8 Sep 2020 22:34

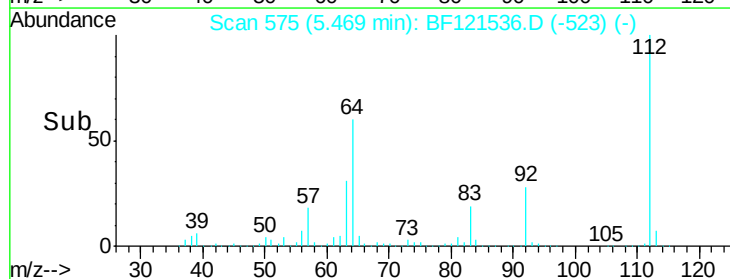
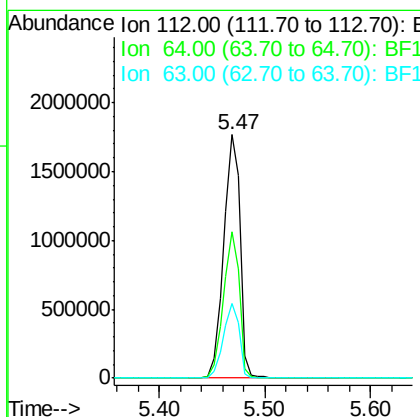
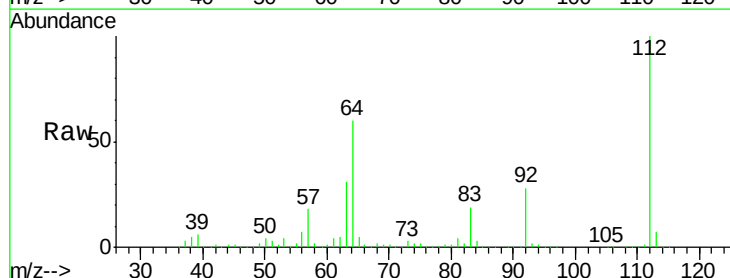
Instrument :
 BNA_F
 ClientSampleId :
 WC-PM-A2-10-14-C

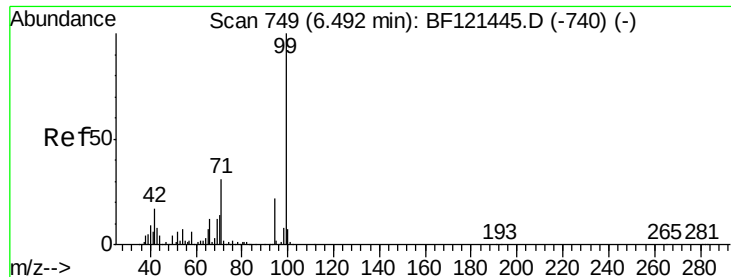
Tot Ion:152 Resp: 315965
 Ion Ratio Lower Upper
 152 100
 150 155.8 126.1 189.1
 115 61.8 48.4 72.6



#5
 2-Fluorophenol
 Concen: 101.607 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF121536.D
 Acq: 8 Sep 2020 22:34

Tgt Ion:112 Resp: 1913540
 Ion Ratio Lower Upper
 112 100
 64 60.1 46.0 69.0
 63 30.9 23.4 35.2





#7

Phenol-d6

Concen: 85.834 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF121536.D

Acq: 8 Sep 2020 22:34

Instrument :

BNA_F

ClientSampleId :

WC-PM-A2-10-14-C

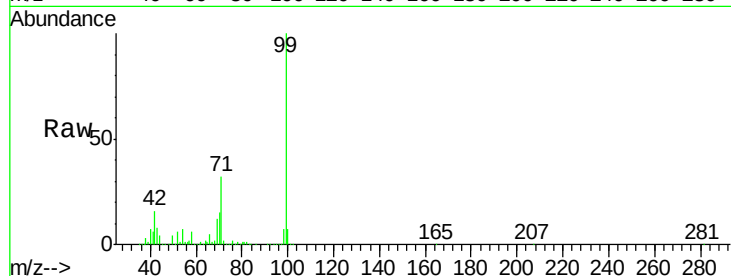
Tot Ion: 99 Resp: 2258997

Ion Ratio Lower Upper

99 100

42 16.3 13.0 19.4

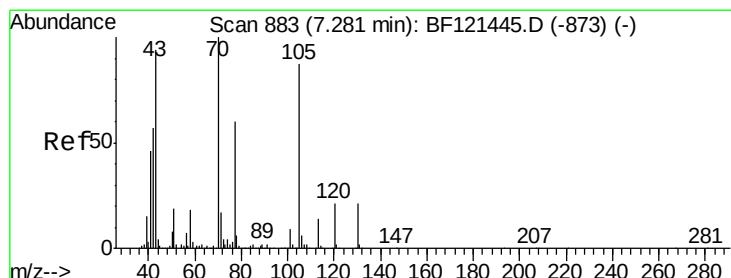
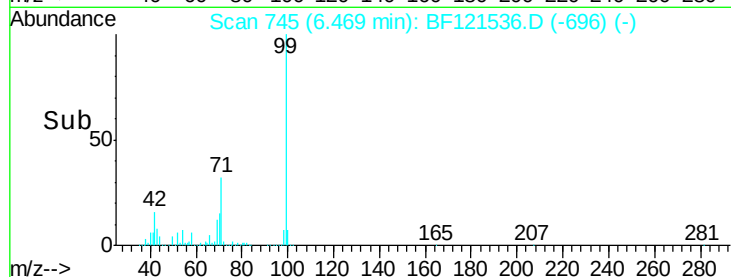
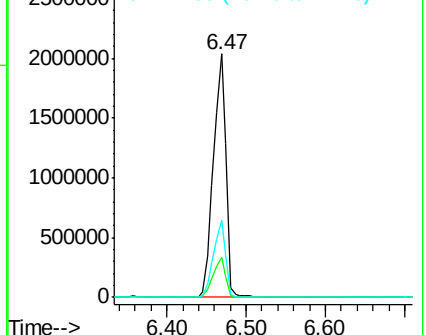
71 31.6 24.8 37.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 16.172 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF121536.D

Acq: 8 Sep 2020 22:34

Tgt Ion: 70 Resp: 237845

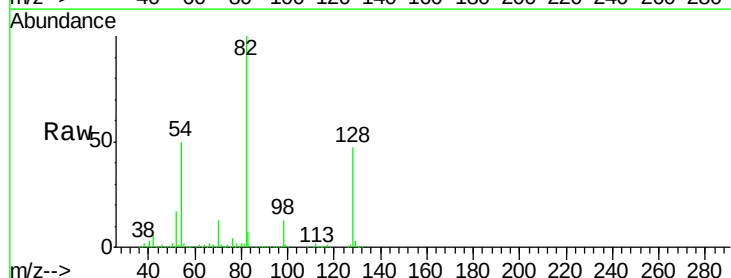
Ion Ratio Lower Upper

70 100

42 44.1 42.0 63.0

101 0.0 8.1 12.1#

130 2.4 18.3 27.5#

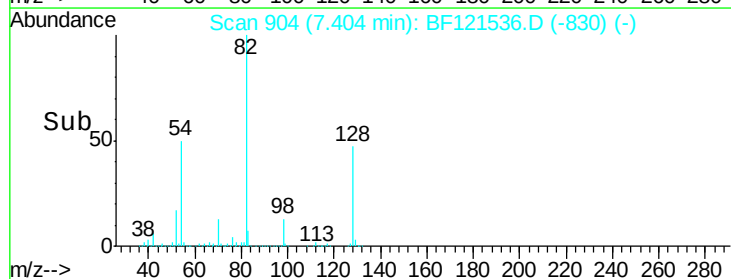
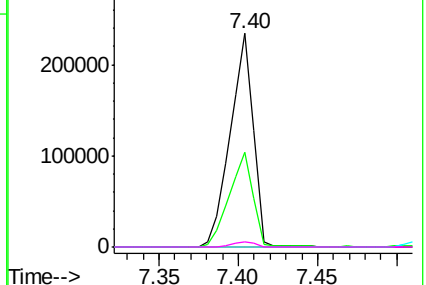


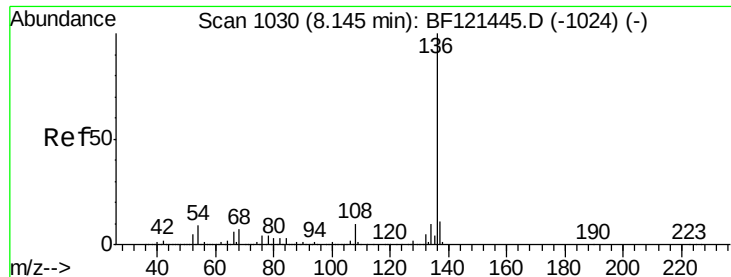
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF121536.D

Acq: 8 Sep 2020 22:34

Instrument :

BNA_F

ClientSampleId :

WC-PM-A2-10-14-C

Tot Ion:136 Resp: 1218048

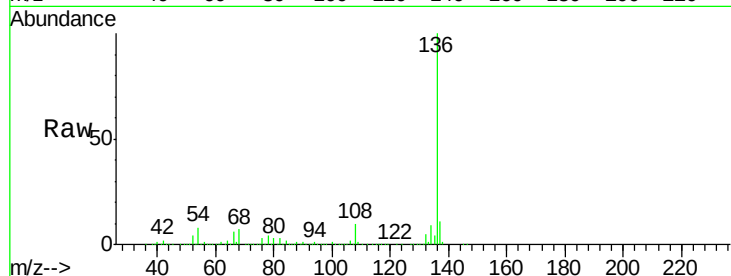
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.3 6.2 9.4

68 6.7 5.1 7.7

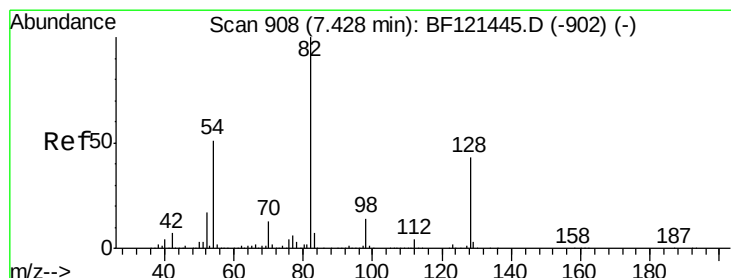
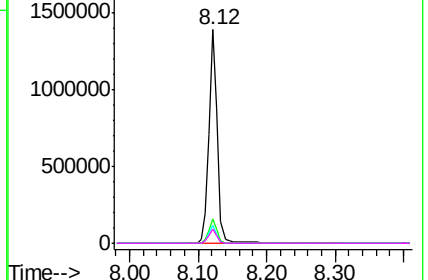
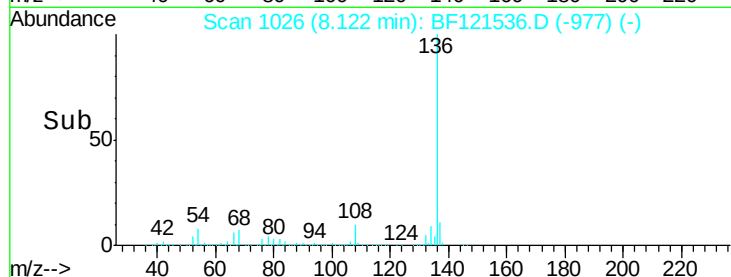


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 100.978 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF121536.D

Acq: 8 Sep 2020 22:34

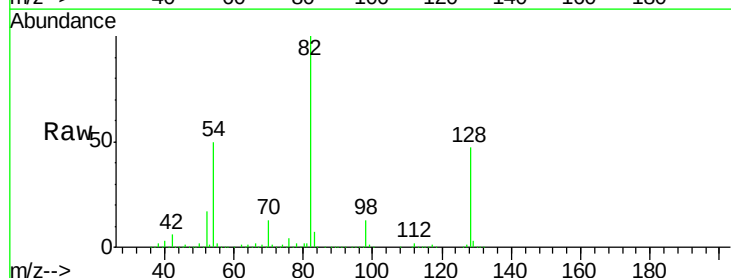
Tgt Ion: 82 Resp: 1799090

Ion Ratio Lower Upper

82 100

128 46.6 37.3 55.9

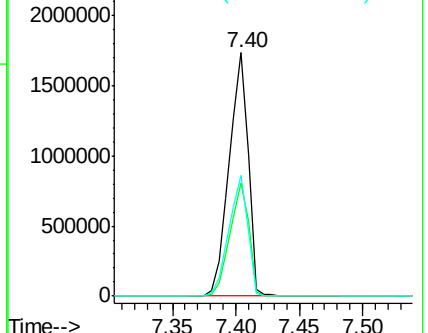
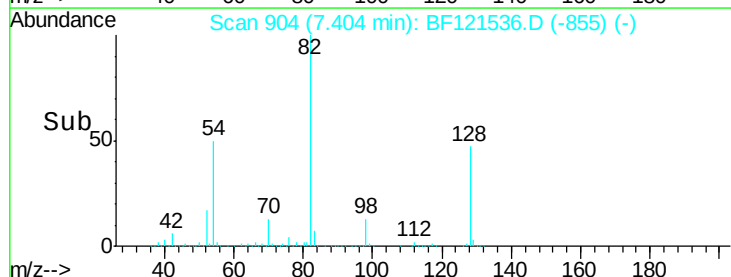
54 49.8 39.0 58.6

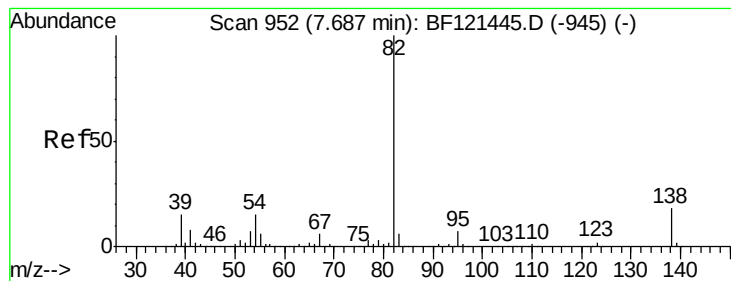


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.598 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF121536.D

Acq: 8 Sep 2020 22:34

Instrument :

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ClientSampleId :

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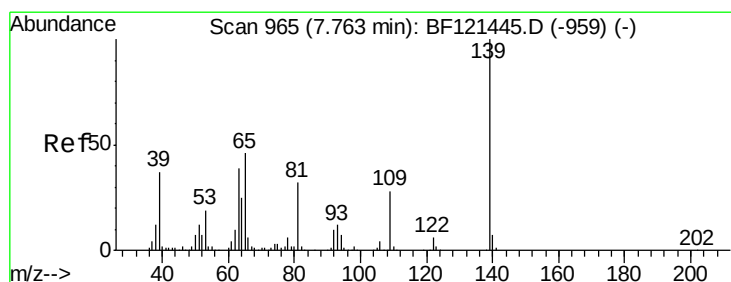
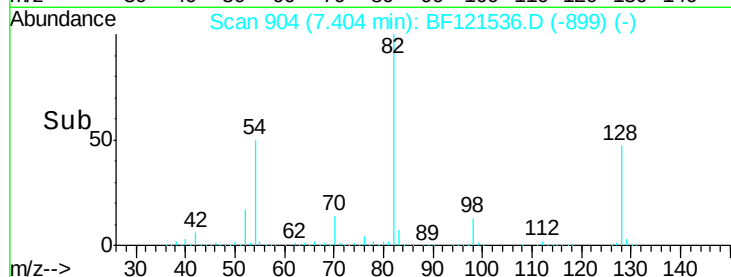
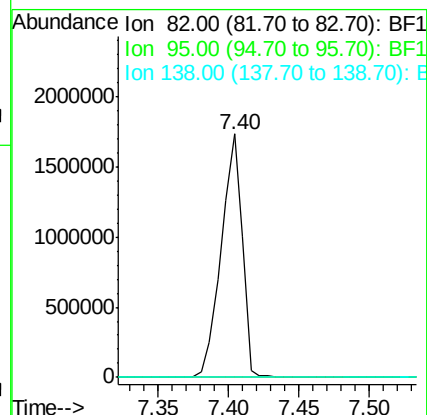
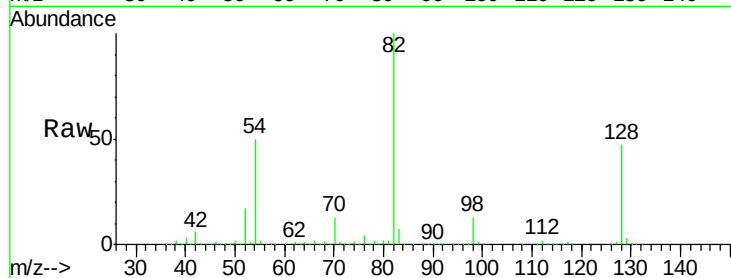
Tot Ion: 82 Resp: 1787226

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 15.6 23.4#



#26

2-Nitrophenol

Concen: 4.897 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.24 min

Lab File: BF121536.D

Acq: 8 Sep 2020 22:34

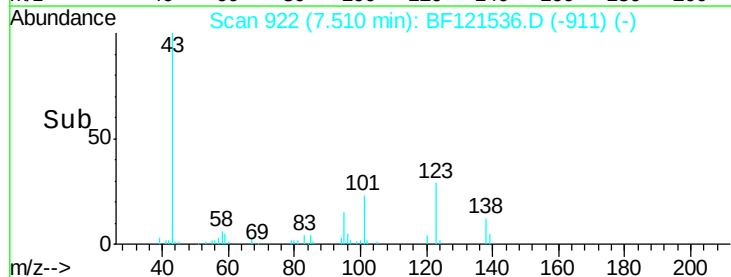
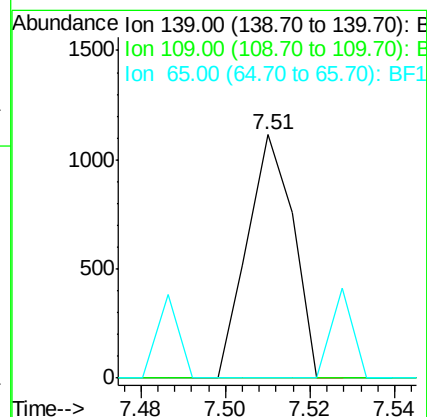
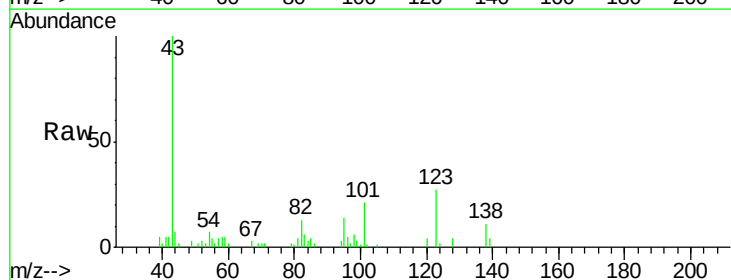
Tgt Ion: 139 Resp: 844

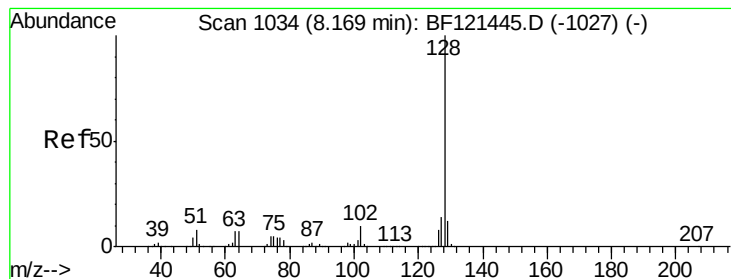
Ion Ratio Lower Upper

139 100

109 0.0 22.0 33.0#

65 0.0 39.3 58.9#





#31

Naphthalene

Concen: 2.376 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF121536.D

Acq: 8 Sep 2020 22:34

Instrument :

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ClientSampleId :

WC-PM-A2-10-14-C

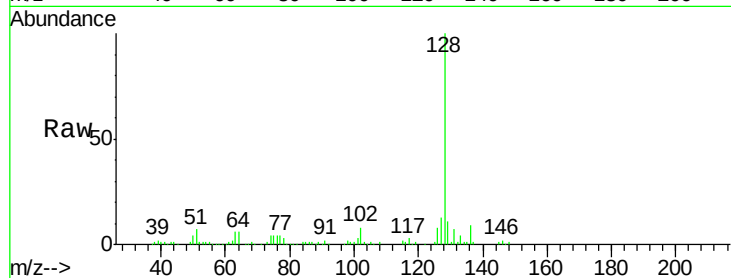
Tot Ion:128 Resp: 143703

Ion Ratio Lower Upper

128 100

129 11.4 9.7 14.5

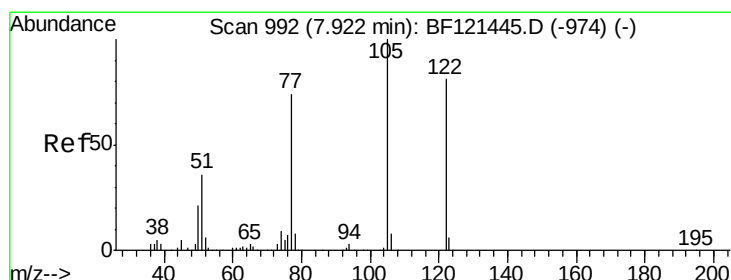
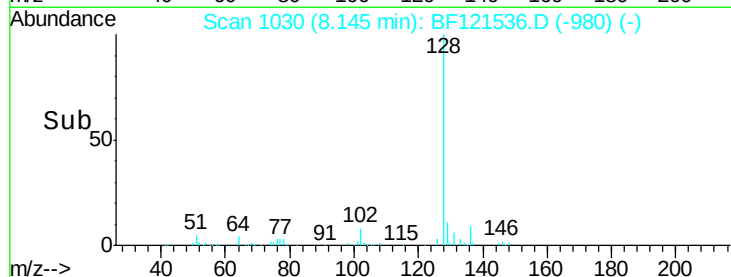
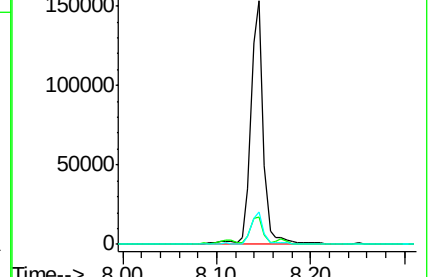
127 13.4 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 7.134 ng

RT: 7.91 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF121536.D

Acq: 8 Sep 2020 22:34

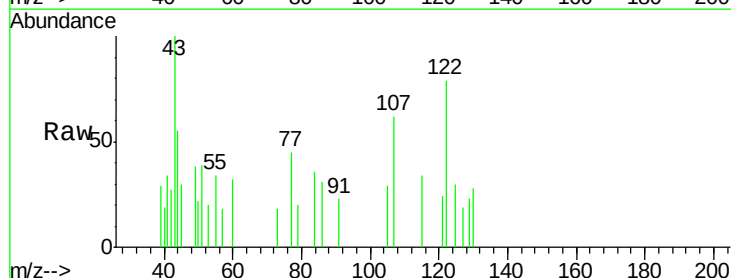
Tgt Ion:122 Resp: 3823

Ion Ratio Lower Upper

122 100

105 37.3 102.2 142.2#

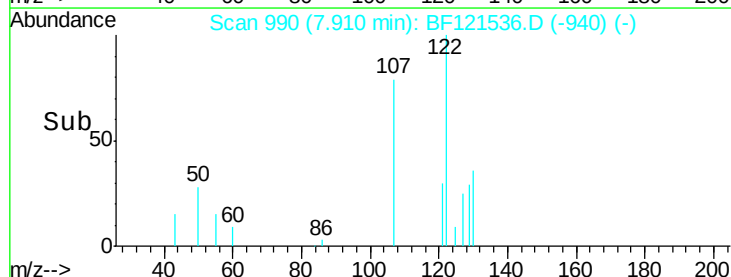
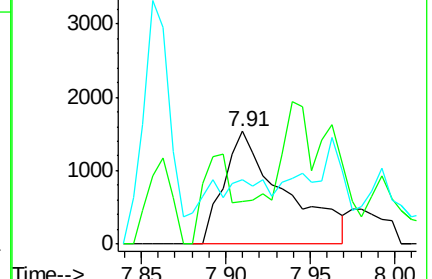
77 56.7 69.8 109.8#

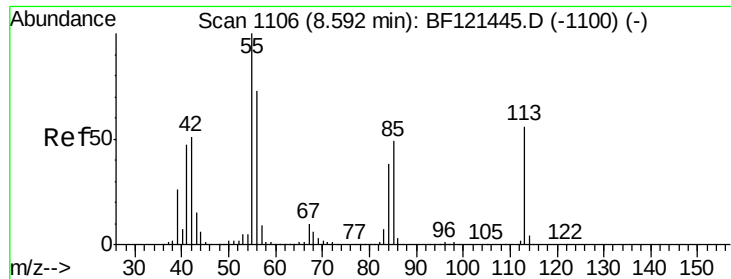


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

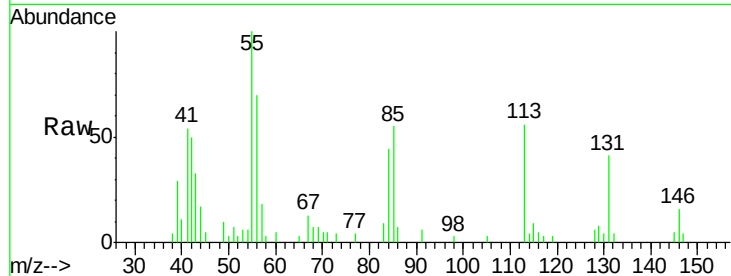




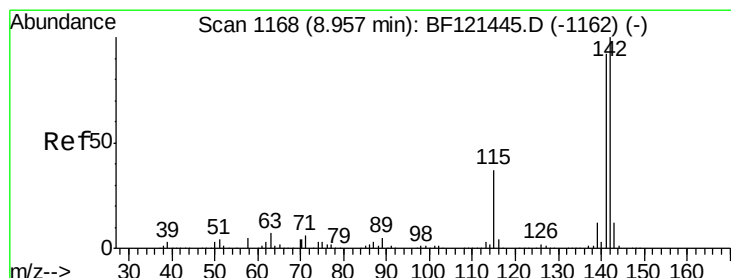
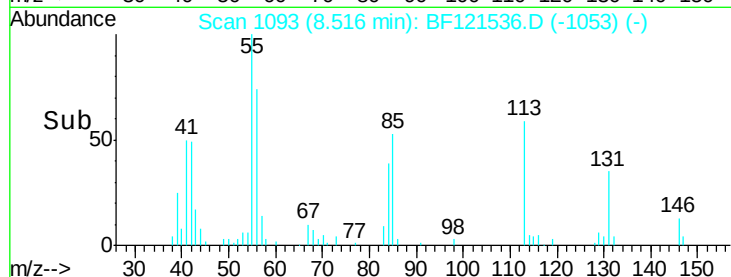
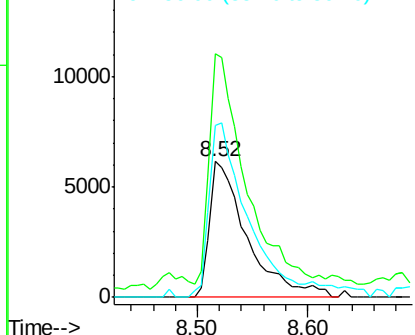
#35
 Caprolactam
 Concen: 2.705 ng
 RT: 8.52 min Scan# 1093
 Delta R.T. -0.06 min
 Lab File: BF121536.D
 Acq: 8 Sep 2020 22:34

Instrument :
 BNA_F
 ClientSampleId :
 WC-PM-A2-10-14-C

Tot Ion:113 Resp: 14479
 Ion Ratio Lower Upper
 113 100
 55 179.1 149.1 189.1
 56 126.1 104.4 144.4

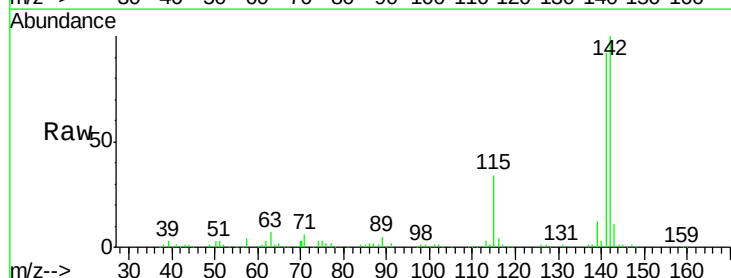


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

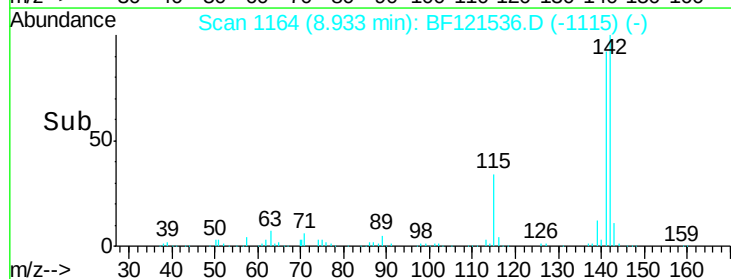
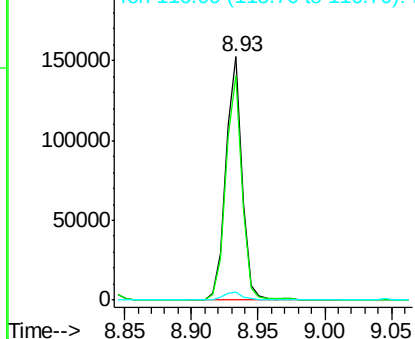


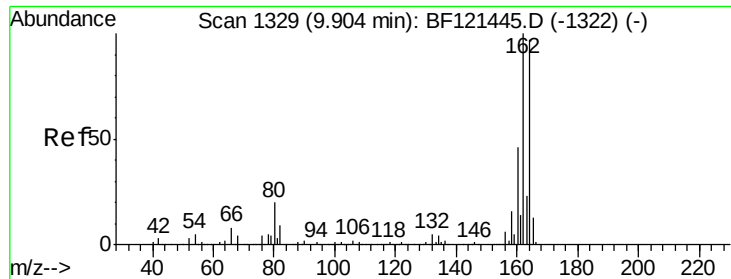
#38
 1-Methylnaphthalene
 Concen: 3.476 ng
 RT: 8.93 min Scan# 1164
 Delta R.T. -0.01 min
 Lab File: BF121536.D
 Acq: 8 Sep 2020 22:34

Tgt Ion:142 Resp: 131505
 Ion Ratio Lower Upper
 142 100
 141 92.1 73.7 110.5
 116 3.6 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

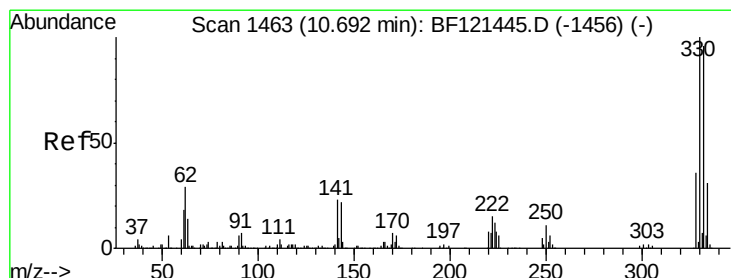
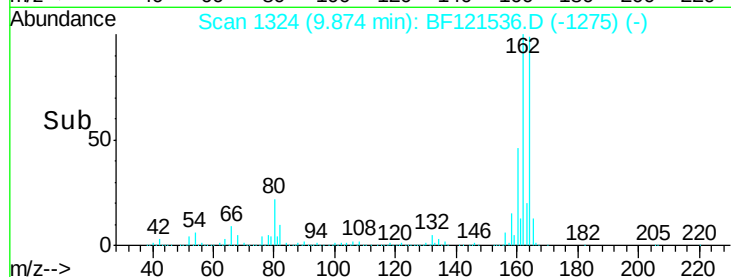
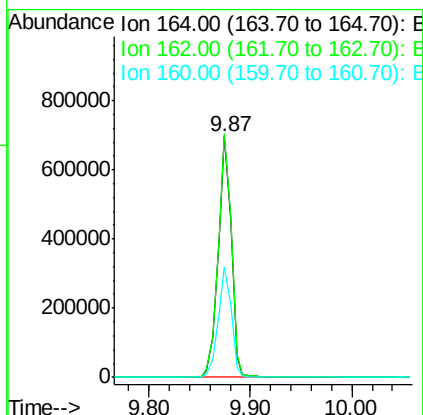
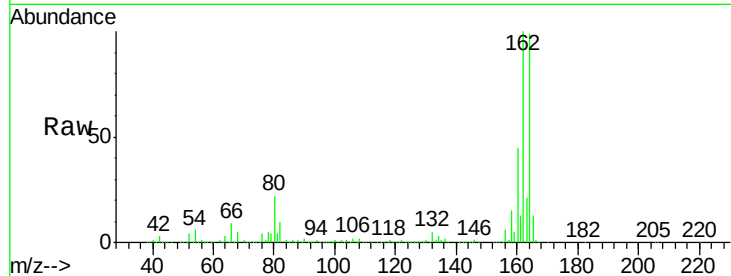




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF121536.D
 Acq: 8 Sep 2020 22:34

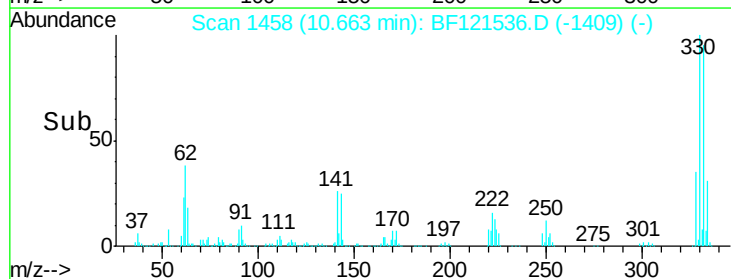
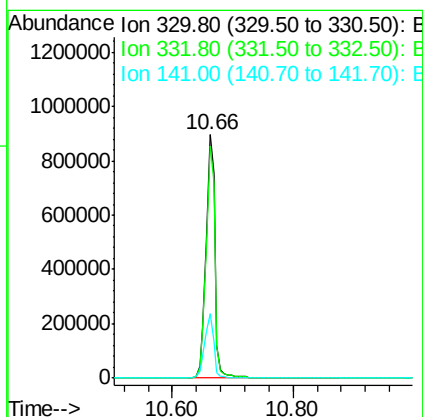
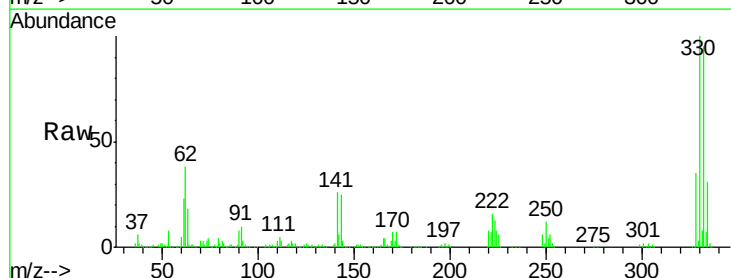
Instrument :
 BNA_F
 ClientSampleId :
 WC-PM-A2-10-14-C

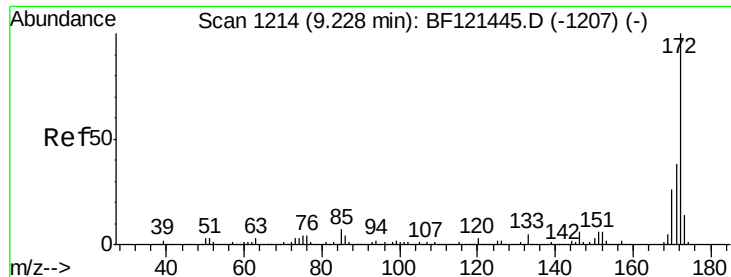
Tot Ion:164 Resp: 630389
 Ion Ratio Lower Upper
 164 100
 162 101.1 80.5 120.7
 160 46.0 36.2 54.4



#42
 2,4,6-Tribromophenol
 Concen: 145.770 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF121536.D
 Acq: 8 Sep 2020 22:34

Tgt Ion:330 Resp: 928153
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.2 114.2
 141 26.8 22.6 34.0



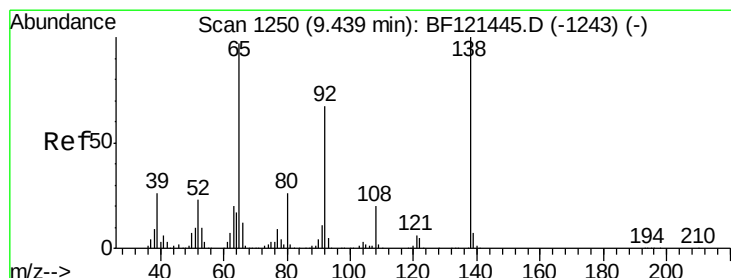
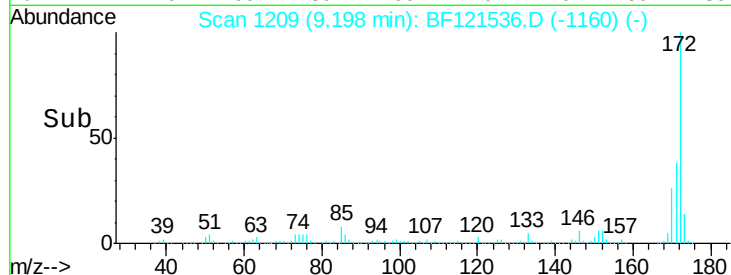
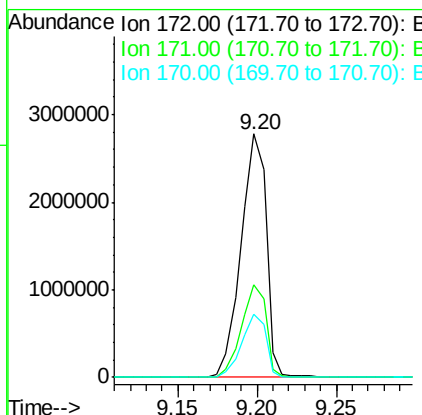
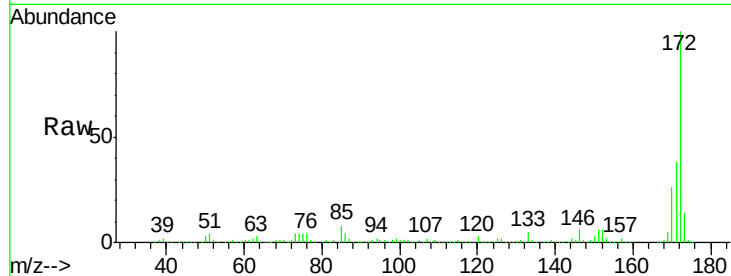


#45
 2-Fluorobiphenyl
 Concen: 78.554 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF121536.D
 Acq: 8 Sep 2020 22:34

Instrument :
 BNA_F
 ClientSampleId :
 WC-PM-A2-10-14-C

Tot Ion:172 Resp: 3069025

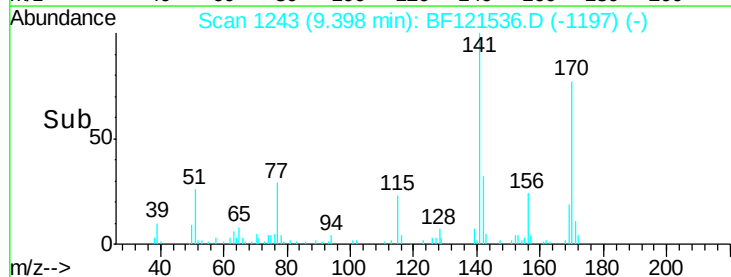
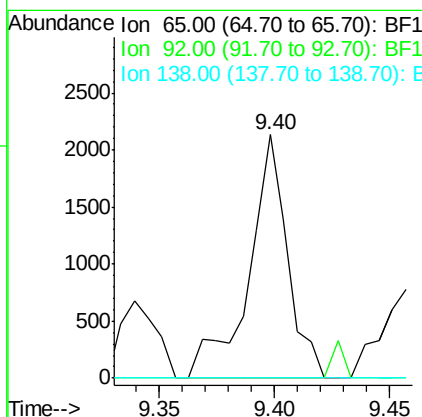
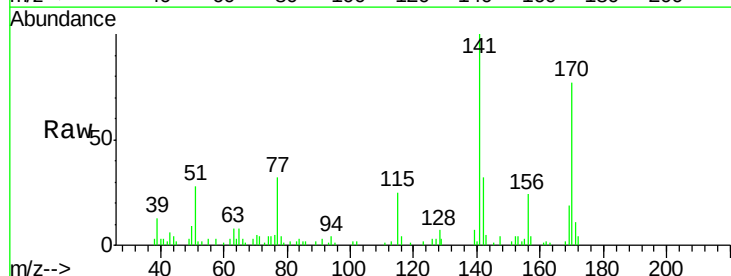
Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.4	45.6
170	26.1	20.7	31.1

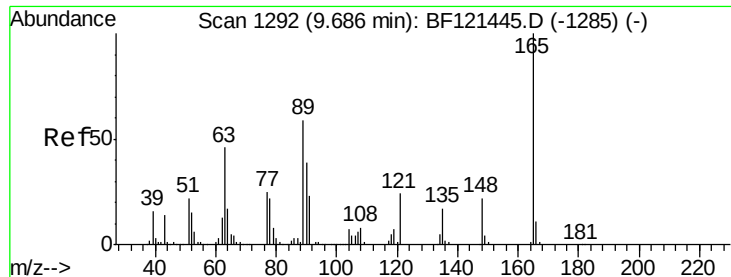


#48
 2-Nitroaniline
 Concen: 6.844 ng
 RT: 9.40 min Scan# 1243
 Delta R.T. -0.03 min
 Lab File: BF121536.D
 Acq: 8 Sep 2020 22:34

Tgt Ion: 65 Resp: 2501

Ion	Ratio	Lower	Upper
65	100		
92	0.0	58.6	87.8#
138	0.0	88.6	133.0#

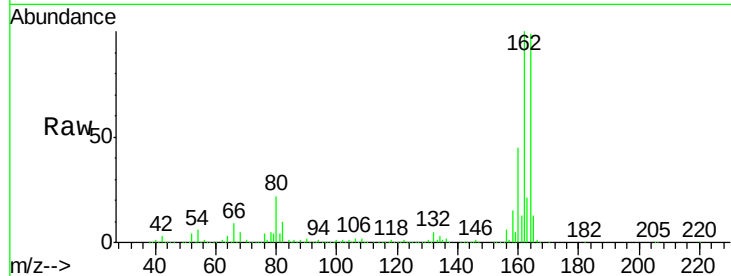




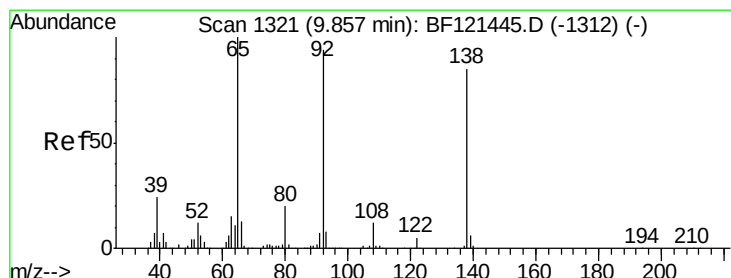
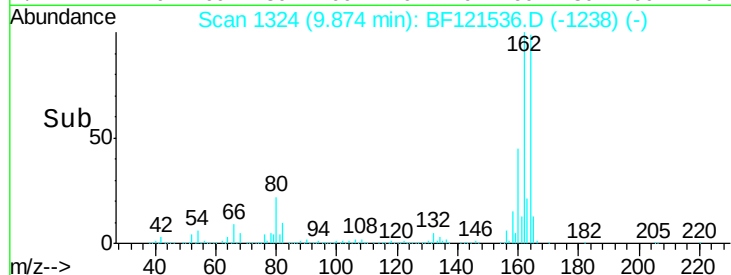
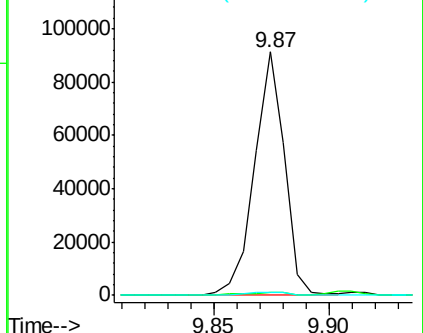
#51
 2,6-Dinitrotoluene
 Concen: 15.294 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.21 min
 Lab File: BF121536.D
 Acq: 8 Sep 2020 22:34

Instrument :
 BNA_F
 ClientSampleId :
 WC-PM-A2-10-14-C

Tot Ion:165 Resp: 83147
 Ion Ratio Lower Upper
 165 100
 63 1.4 47.4 71.0#
 89 1.1 47.9 71.9#

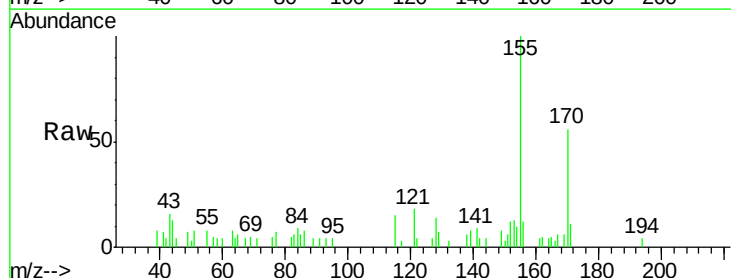


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

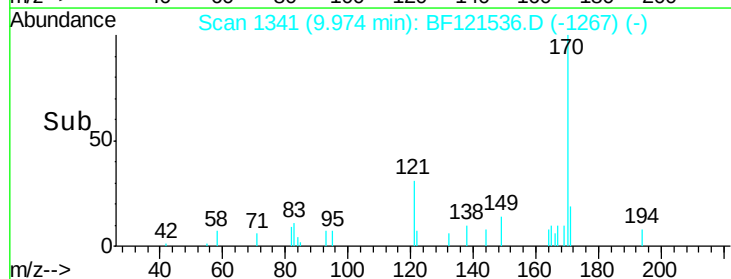
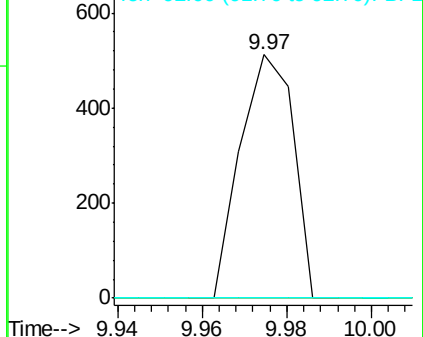


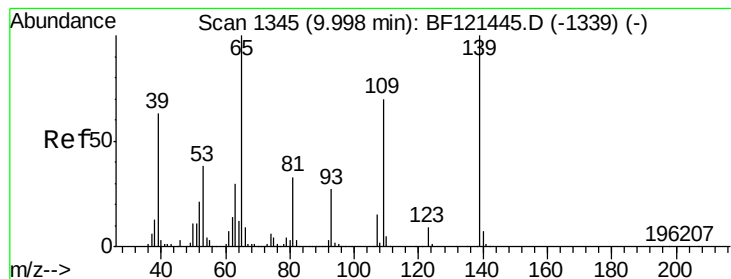
#53
 3-Nitroaniline
 Concen: 5.490 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.14 min
 Lab File: BF121536.D
 Acq: 8 Sep 2020 22:34

Tgt Ion:138 Resp: 447
 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: 7.976 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF121536.D

Acq: 8 Sep 2020 22:34

Instrument :

BNA_F

ClientSampleId :

WC-PM-A2-10-14-C

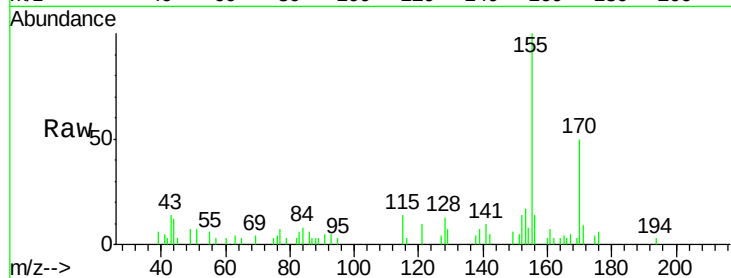
Tot Ion:139 Resp: 1105

Ion Ratio Lower Upper

139 100

109 0.0 44.3 84.3#

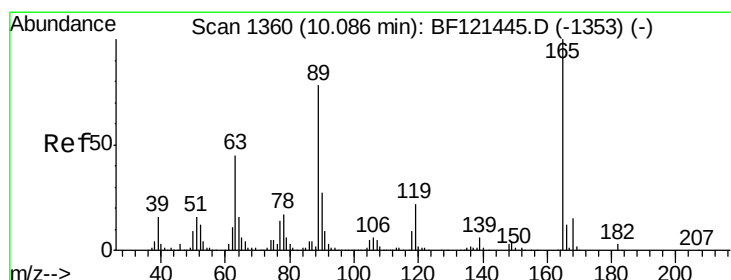
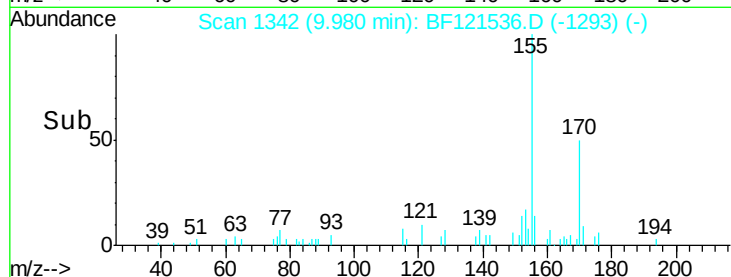
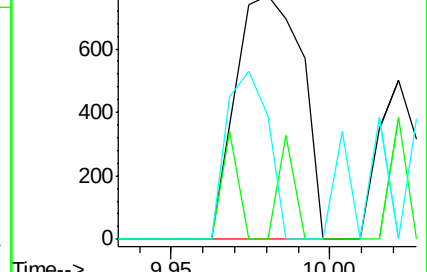
65 50.8 70.2 110.2#



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: 7.648 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.02 min

Lab File: BF121536.D

Acq: 8 Sep 2020 22:34

Tgt Ion:165 Resp: 4379

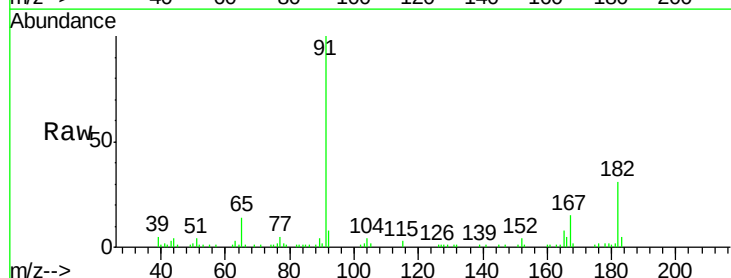
Ion Ratio Lower Upper

165 100

63 40.5 33.6 50.4

89 55.4 56.4 84.6#

182 378.8 2.2 3.4#

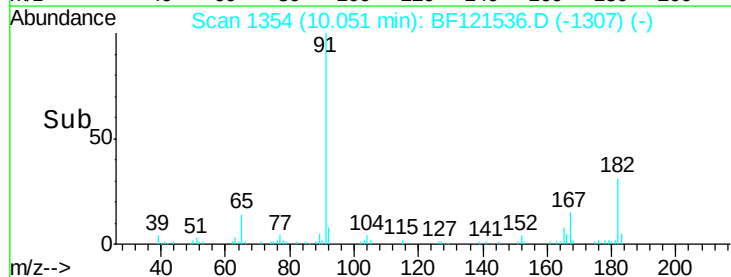
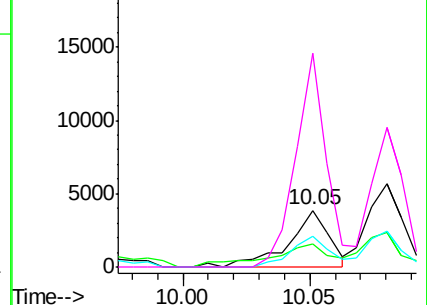


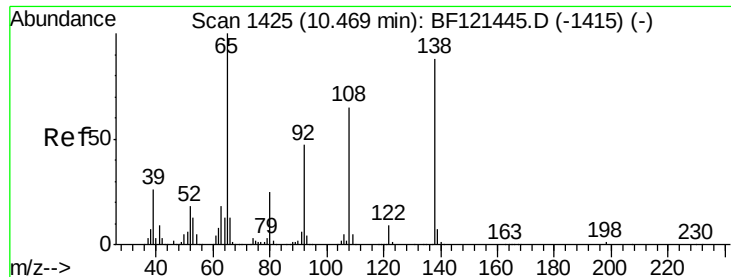
Abundance Ion 165.00 (164.70 to 165.70): E

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

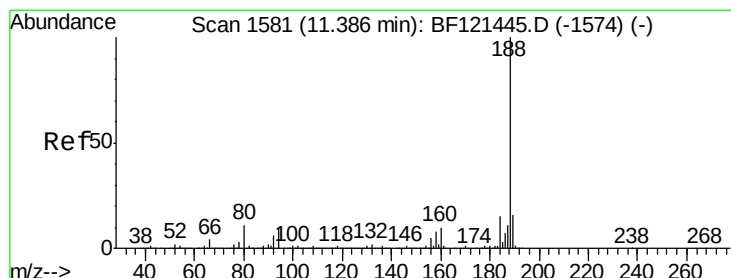
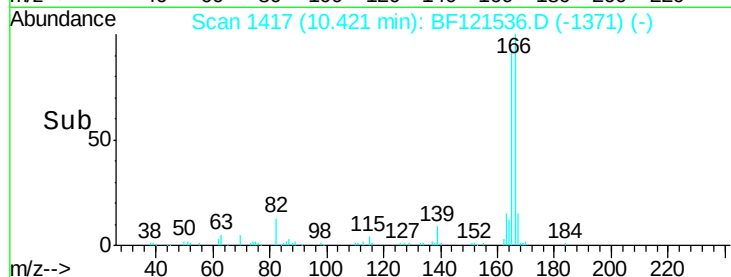
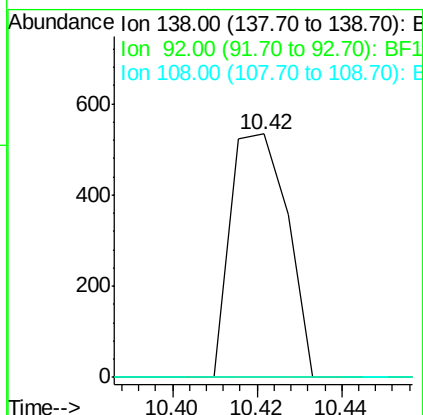
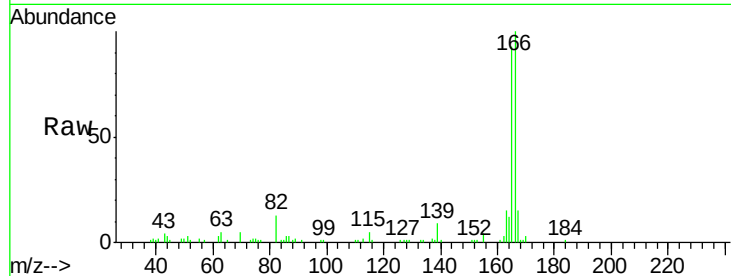




#62
4-Nitroaniline
Concen: 4.578 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.03 min
Lab File: BF121536.D
Acq: 8 Sep 2020 22:34

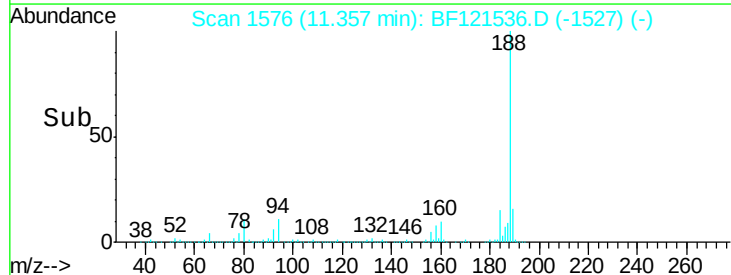
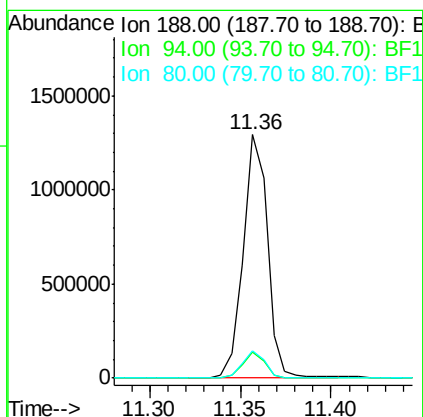
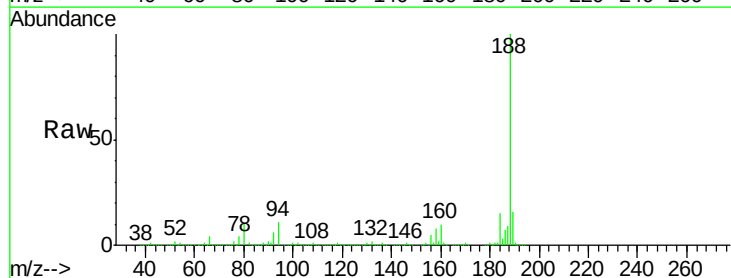
Instrument :
BNA_F
ClientSampleId :
WC-PM-A2-10-14-C

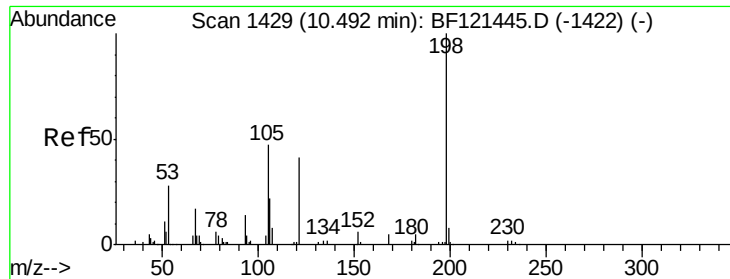
Tot Ion:138 Resp: 499
Ion Ratio Lower Upper
138 100
92 0.0 32.2 72.2#
108 0.0 49.1 89.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF121536.D
Acq: 8 Sep 2020 22:34

Tgt Ion:188 Resp: 1207363
Ion Ratio Lower Upper
188 100
94 10.9 8.8 13.2
80 11.4 9.1 13.7

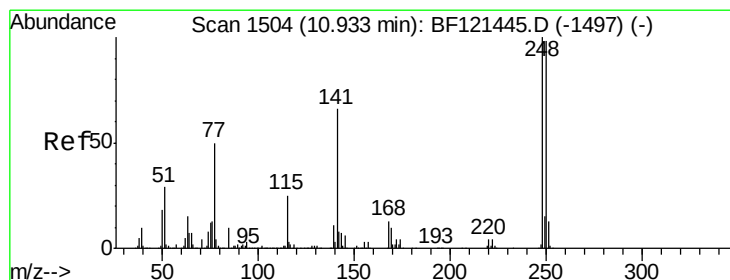
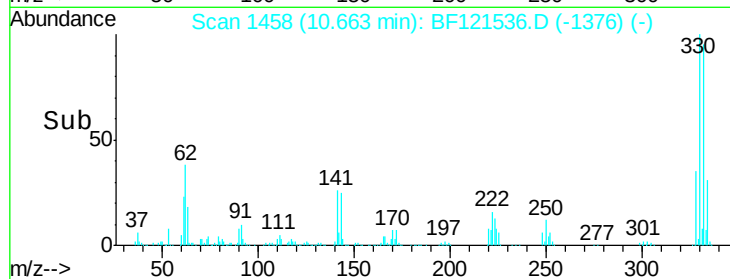
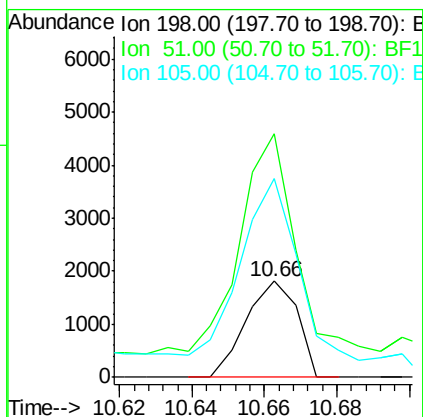
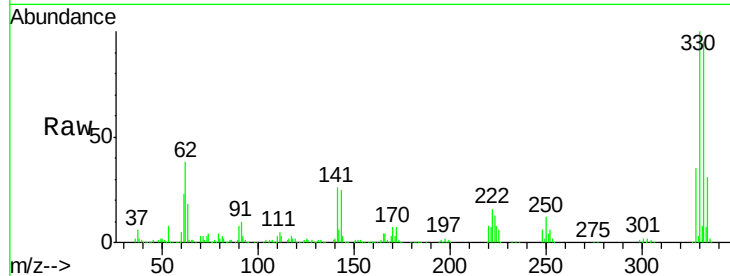




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.274 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.18 min
 Lab File: BF121536.D
 Acq: 8 Sep 2020 22:34

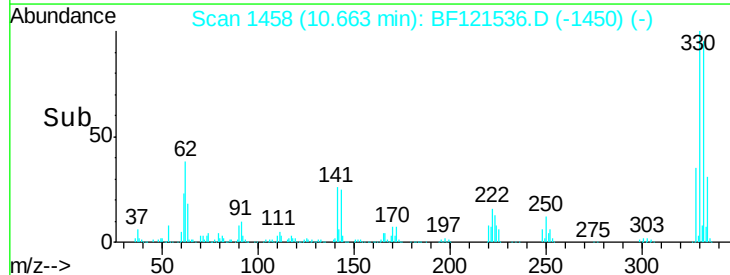
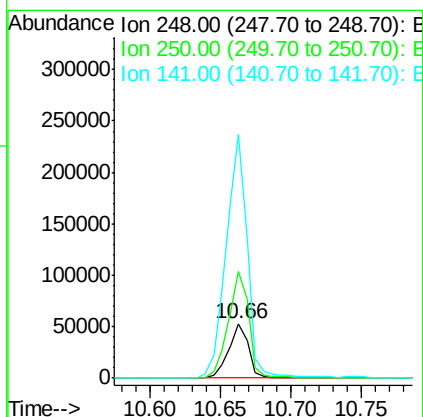
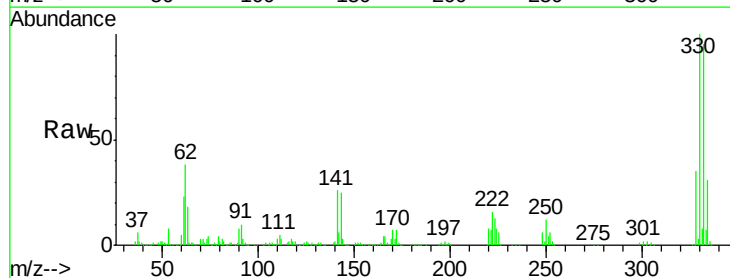
Instrument :
 BNA_F
 ClientSampleId :
 WC-PM-A2-10-14-C

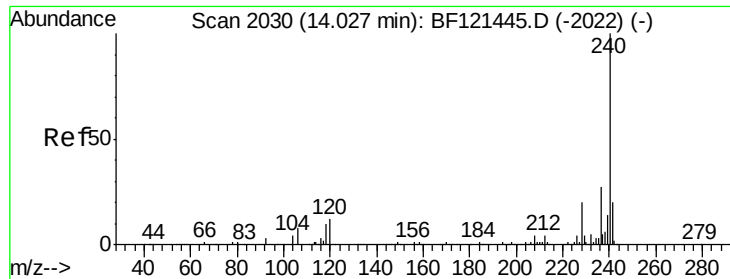
Tot Ion:198 Resp: 1769
 Ion Ratio Lower Upper
 198 100
 51 254.2 24.9 64.9#
 105 207.7 25.8 65.8#



#67
 4-Bromophenyl-phenylether
 Concen: 3.944 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF121536.D
 Acq: 8 Sep 2020 22:34

Tgt Ion:248 Resp: 52382
 Ion Ratio Lower Upper
 248 100
 250 195.3 77.8 116.6#
 141 446.1 56.4 84.6#

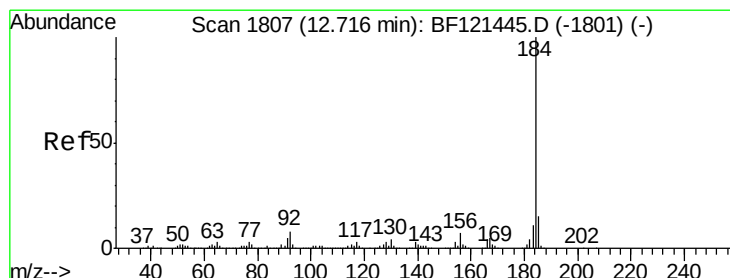
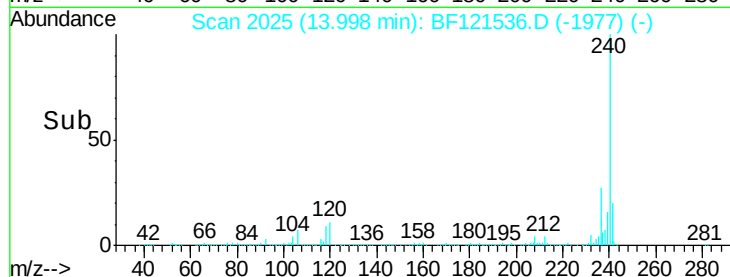
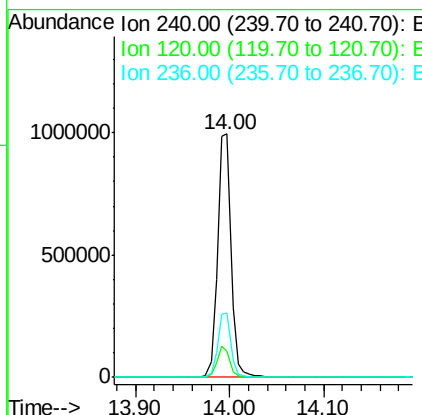
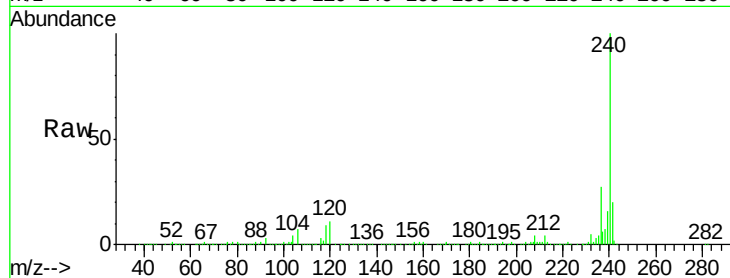




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF121536.D
Acq: 8 Sep 2020 22:34

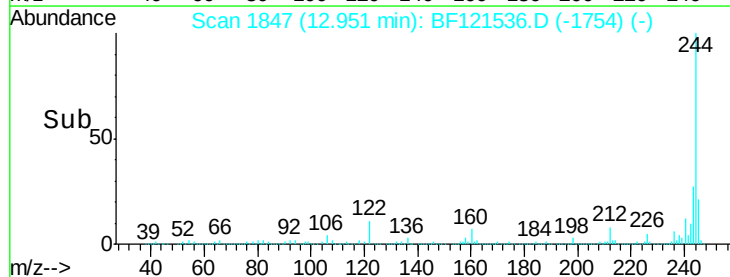
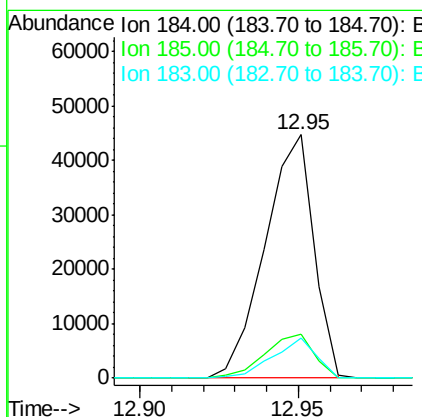
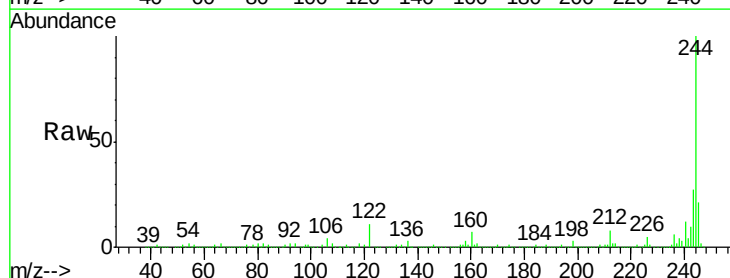
Instrument :
BNA_F
ClientSampleId :
WC-PM-A2-10-14-C

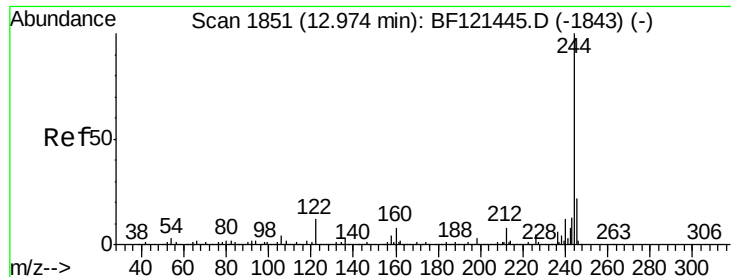
Tot Ion:240 Resp: 1009757
Ion Ratio Lower Upper
240 100
120 10.6 8.0 12.0
236 26.6 21.4 32.2



#77
Benzidine
Concen: 2.168 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.25 min
Lab File: BF121536.D
Acq: 8 Sep 2020 22:34

Tgt Ion:184 Resp: 47750
Ion Ratio Lower Upper
184 100
185 18.2 11.5 17.3#
183 16.3 9.0 13.6#





#79

Terphenyl-d14

Concen: 72.346 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF121536.D

Acq: 8 Sep 2020 22:34

Instrument :

BNA_F

ClientSampleId :

WC-PM-A2-10-14-C

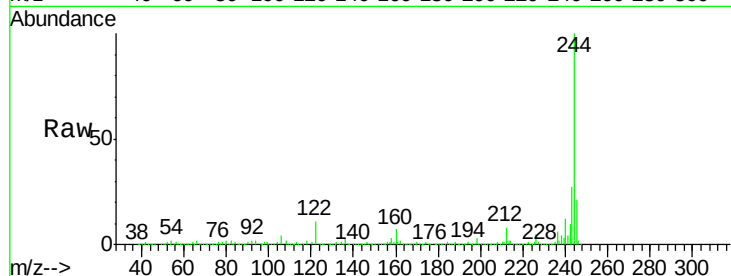
Tot Ion:244 Resp: 3470476

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

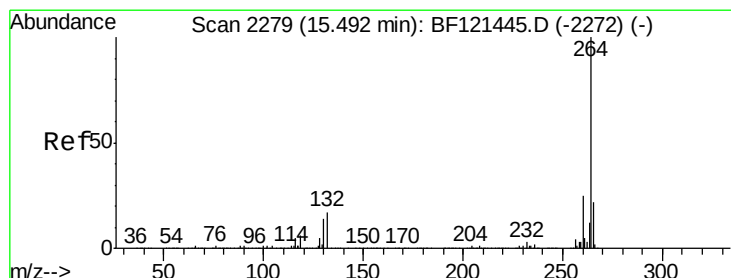
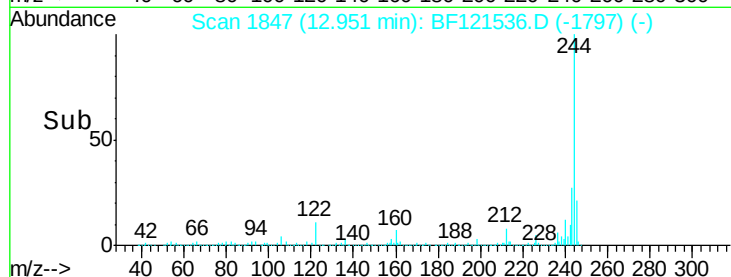
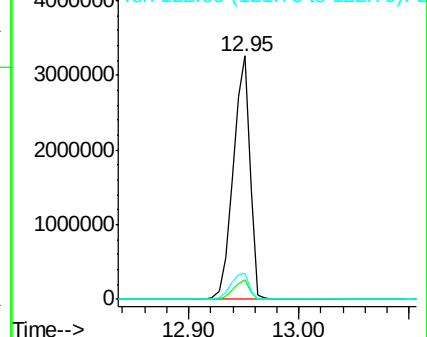
122 10.8 9.3 13.9



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: BF121536.D

Acq: 8 Sep 2020 22:34

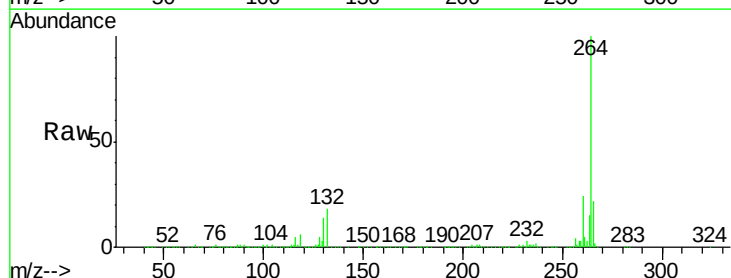
Tgt Ion:264 Resp: 885108

Ion Ratio Lower Upper

264 100

260 24.2 19.7 29.5

265 21.8 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

