

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
 Data File : BF121503.D
 Acq On : 1 Sep 2020 18:37
 Operator : JU/CG
 Sample : L3852-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 251378

Quant Time: Sep 01 19:00:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 28 09:25:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	258930	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	993685	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	495760	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	866970	20.00	ng	0.00
76) Chrysene-d12	14.03	240	636805	20.00	ng	0.00
86) Perylene-d12	15.50	264	677831	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1584053	102.64	ng	0.01
7) Phenol-d6	6.48	99	1882091	87.27	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1455859	100.16	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	678610	135.52	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2525986	82.21	ng	0.00
79) Terphenyl-d14	12.97	244	2423061	80.09	ng	0.00

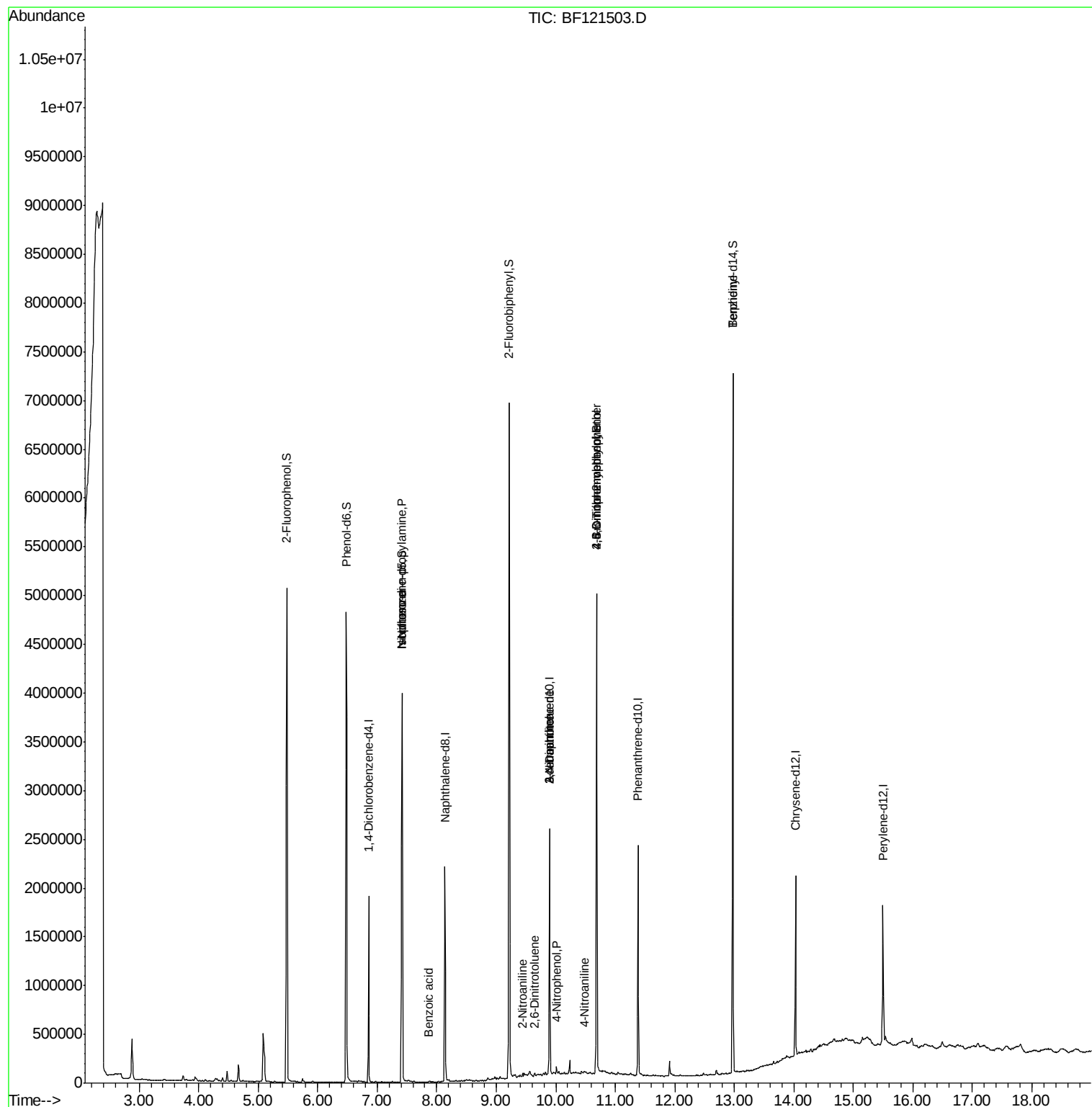
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	109	Below Cal		# 2
19) n-Nitroso-di-n-propylamine	7.42	70	195094	16.187	ng	# 79
25) Isophorone	7.42	82	1438666	44.006	ng	# 64
32) Benzoic acid	7.86	122	1670	6.914	ng	# 82
48) 2-Nitroaniline	9.45	65	296	6.677	ng	# 61
51) 2,6-Dinitrotoluene	9.65	165	2496	6.758	ng	# 23
53) 3-Nitroaniline	9.89	138	2715	5.748	ng	# 1
56) 4-Nitrophenol	10.02	139	237	7.889	ng	# 1
57) 2,4-Dinitrotoluene	9.90	165	65431	14.341	ng	# 21
62) 4-Nitroaniline	10.47	138	1028	4.647	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.69	198	1775	6.621	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	38618	4.049	ng	# 1
77) Benzidine	12.97	184	35514	2.557	ng	# 93

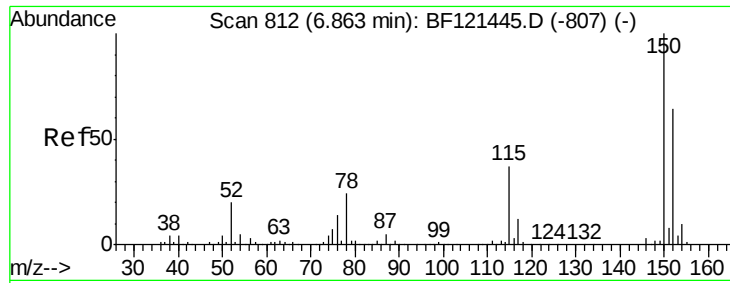
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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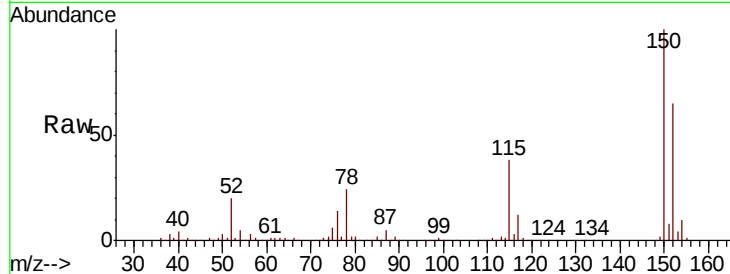


#1

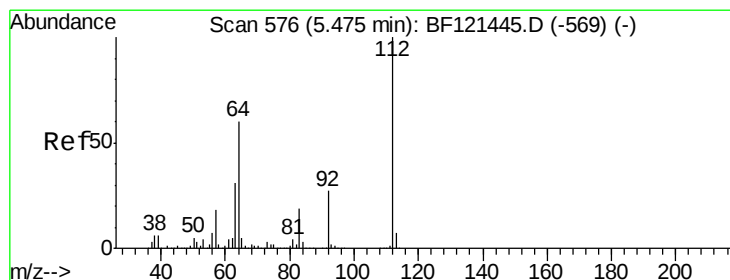
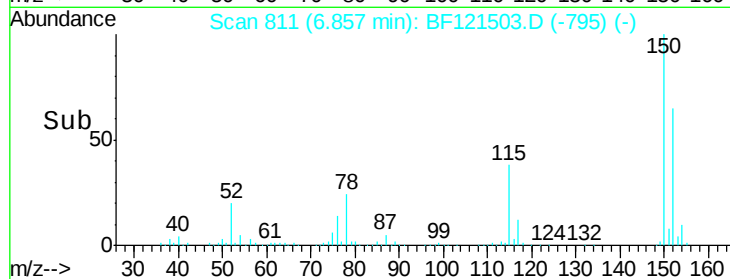
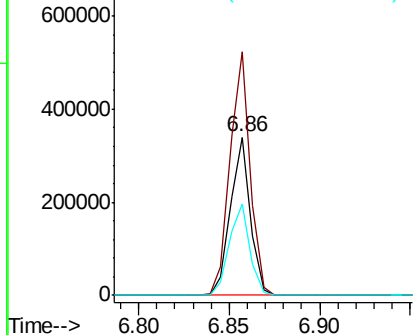
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF121503.D
Acq: 1 Sep 2020 18:37

Instrument :
BNA_F
ClientSampleId :
251378

Tot Ion:152 Resp: 258930
Ion Ratio Lower Upper
152 100
150 154.2 125.8 188.6
115 57.9 46.6 69.8



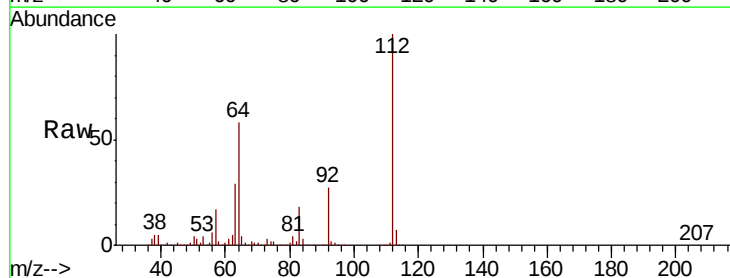
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



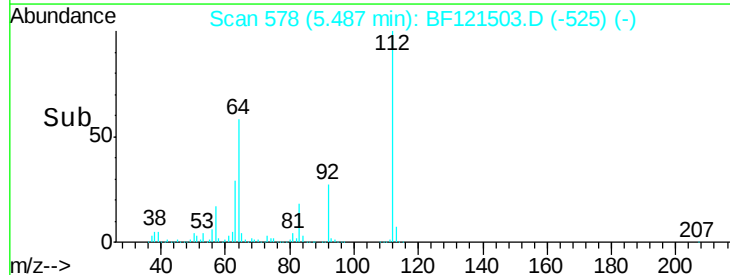
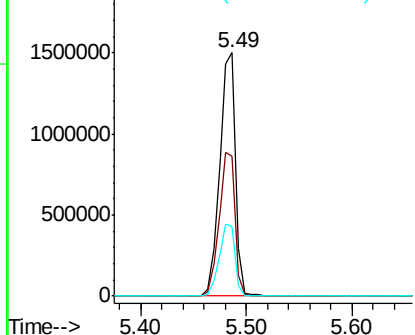
#5

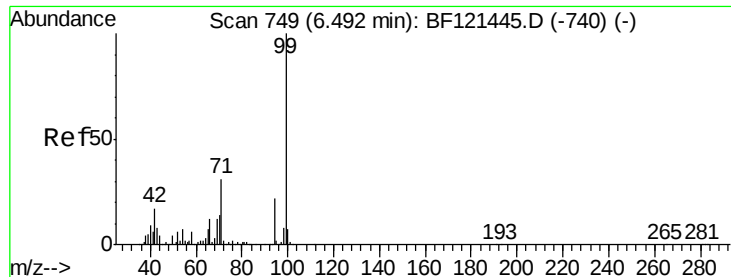
2-Fluorophenol
Concen: 102.639 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF121503.D
Acq: 1 Sep 2020 18:37

Tgt Ion:112 Resp: 1584053
Ion Ratio Lower Upper
112 100
64 57.5 48.2 72.2
63 28.8 24.8 37.2



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: 87.265 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF121503.D

Acq: 1 Sep 2020 18:37

Instrument :

BNA_F

ClientSampleId :

251378

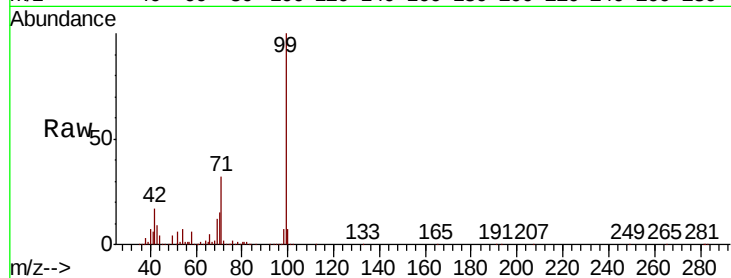
Tot Ion: 99 Resp: 1882091

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

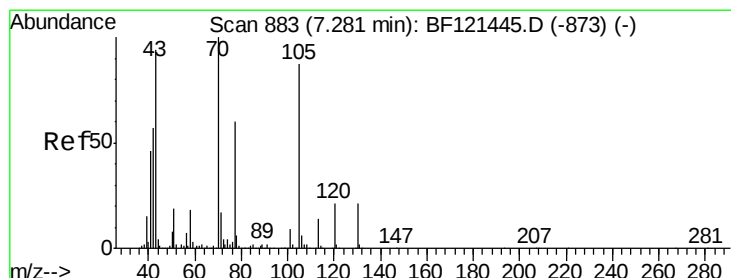
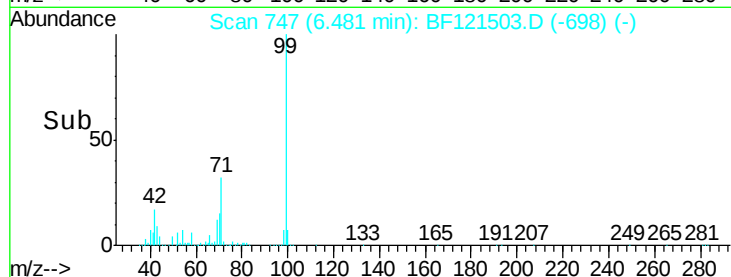
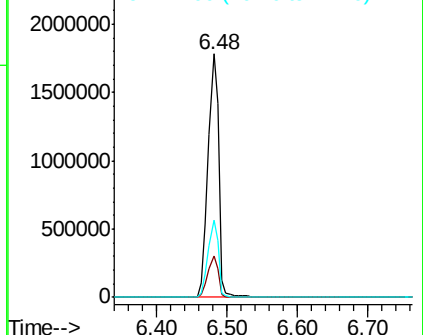
71 31.9 24.6 37.0



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: 16.187 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF121503.D

Acq: 1 Sep 2020 18:37

Tgt Ion: 70 Resp: 195094

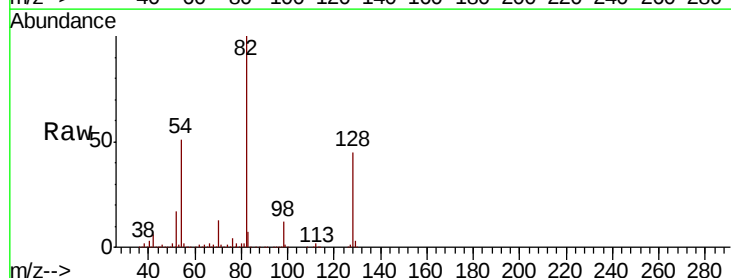
Ion Ratio Lower Upper

70 100

42 47.0 45.8 68.6

101 0.0 7.5 11.3#

130 2.1 16.5 24.7#

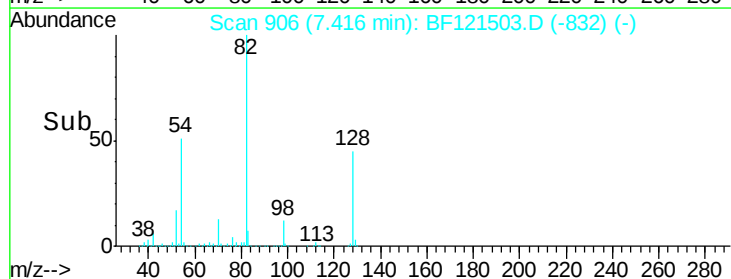
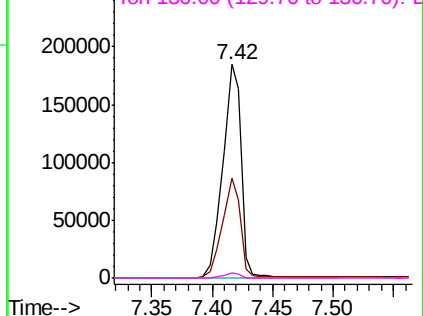


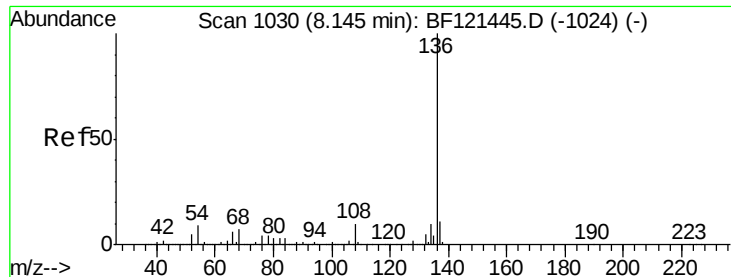
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF121503.D

Acq: 1 Sep 2020 18:37

Instrument :

BNA_F

ClientSampleId :

251378

Tot Ion:136 Resp: 993685

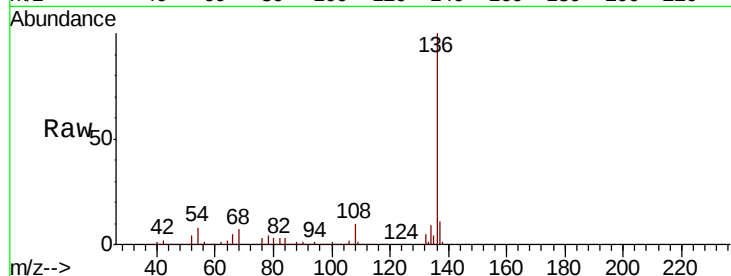
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.1 7.0 10.4

68 6.5 5.5 8.3

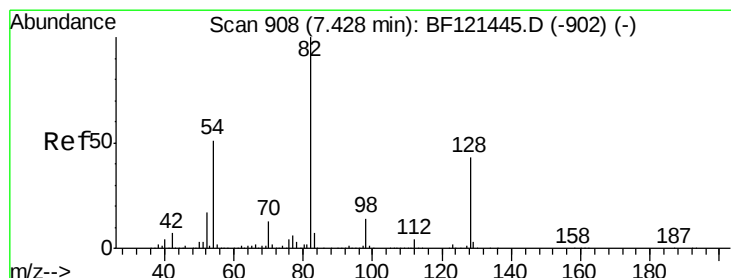
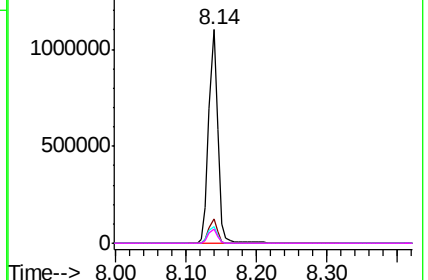
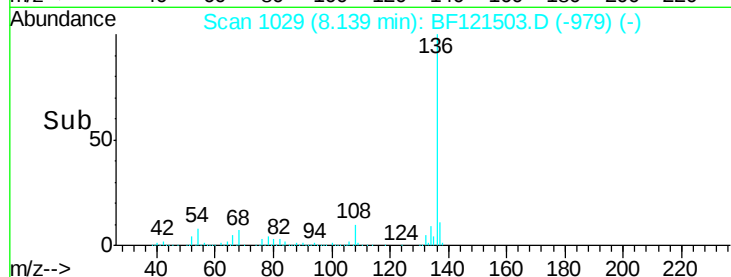


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.163 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF121503.D

Acq: 1 Sep 2020 18:37

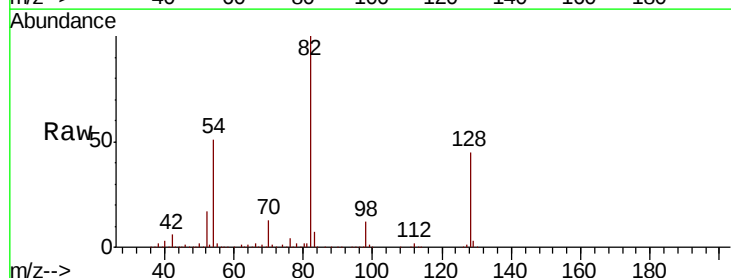
Tgt Ion: 82 Resp: 1455859

Ion Ratio Lower Upper

82 100

128 44.6 34.1 51.1

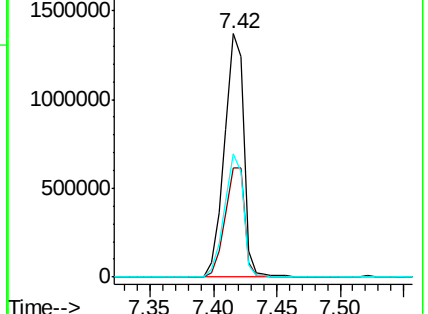
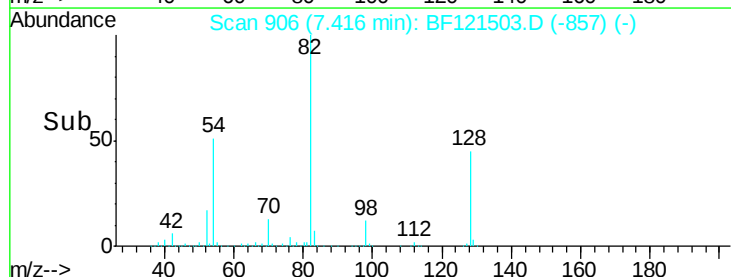
54 50.7 41.0 61.6

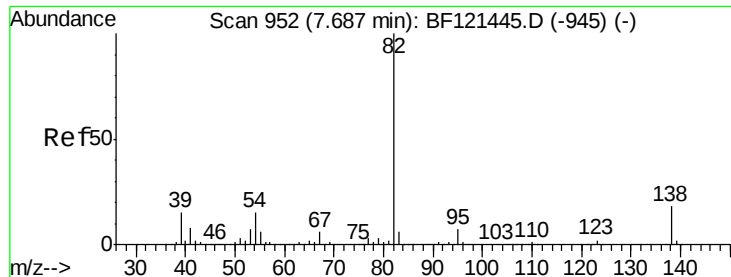


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.006 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.27 min

Lab File: BF121503.D

Acq: 1 Sep 2020 18:37

Instrument :

BNA_F

ClientSampleId :

251378

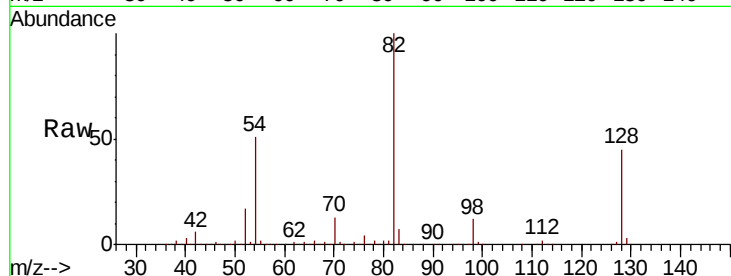
Tot Ion: 82 Resp: 1438666

Ion Ratio Lower Upper

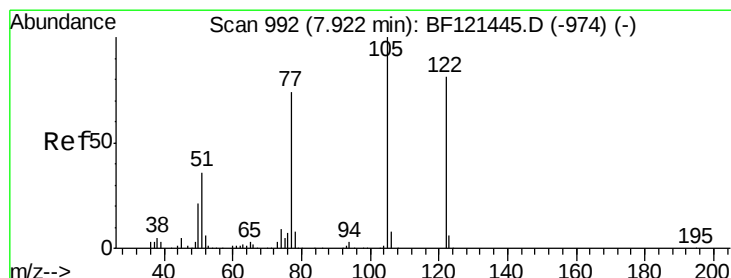
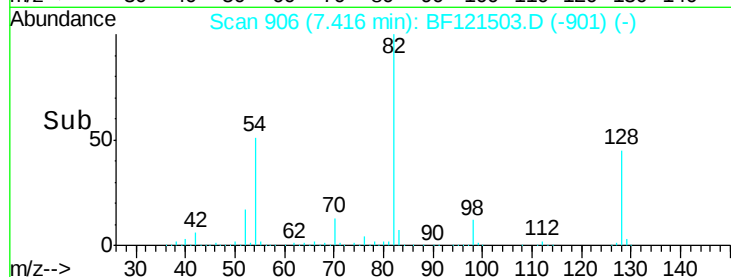
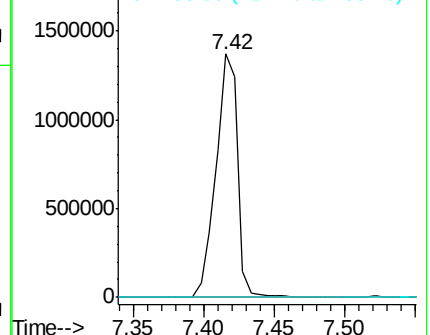
82 100

95 0.0 5.6 8.4#

138 0.0 14.8 22.2#



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: 6.914 ng

RT: 7.86 min Scan# 981

Delta R.T. -0.06 min

Lab File: BF121503.D

Acq: 1 Sep 2020 18:37

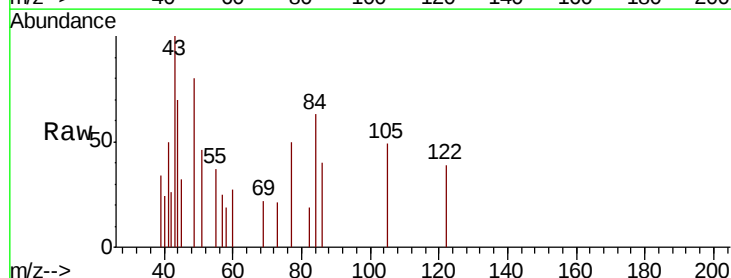
Tgt Ion:122 Resp: 1670

Ion Ratio Lower Upper

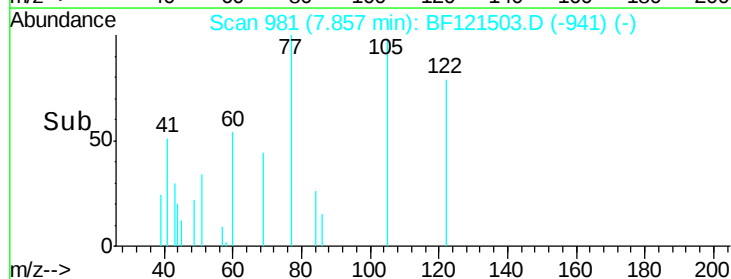
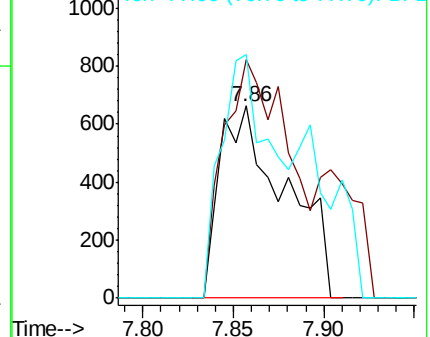
122 100

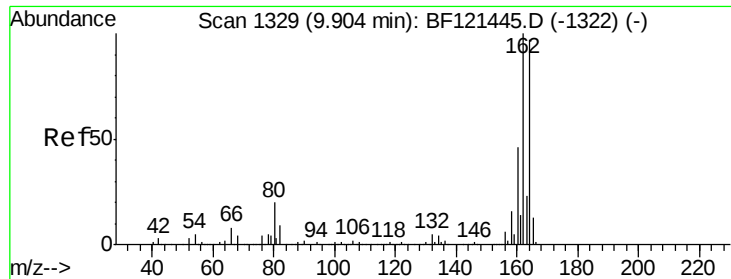
105 124.3 100.8 140.8

77 126.9 71.5 111.5#



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

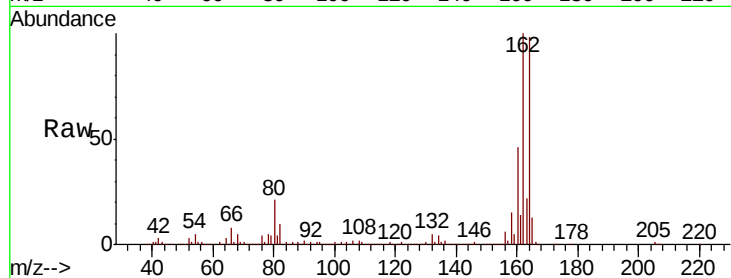




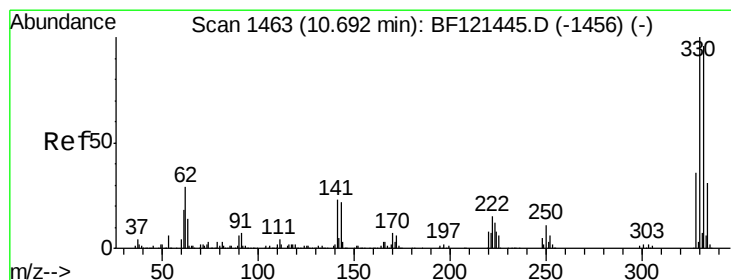
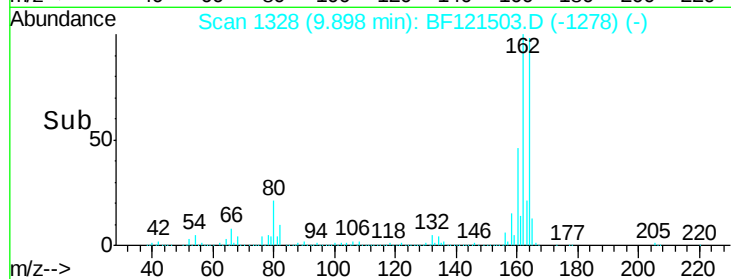
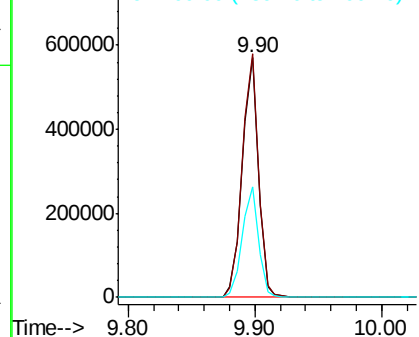
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF121503.D
 Acq: 1 Sep 2020 18:37

Instrument :
 BNA_F
 ClientSampleId :
 251378

Tot Ion:164 Resp: 495760
 Ion Ratio Lower Upper
 164 100
 162 101.7 82.4 123.6
 160 46.4 37.6 56.4

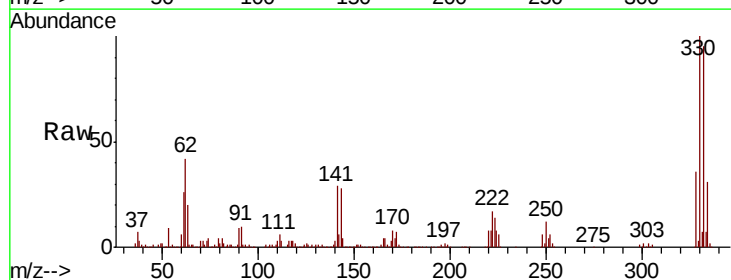


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

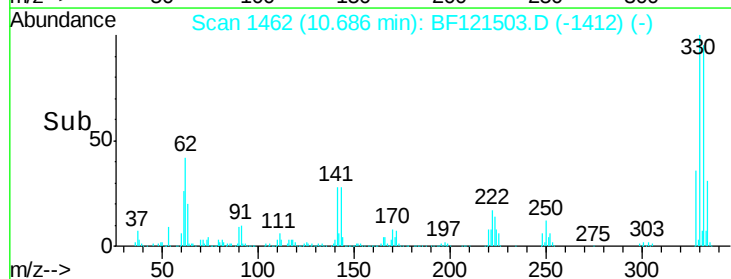
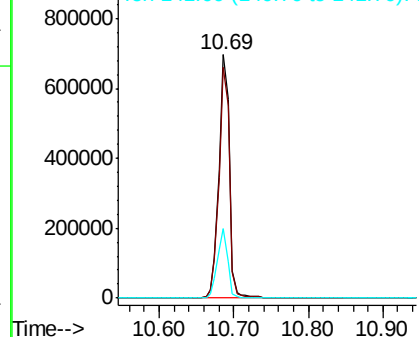


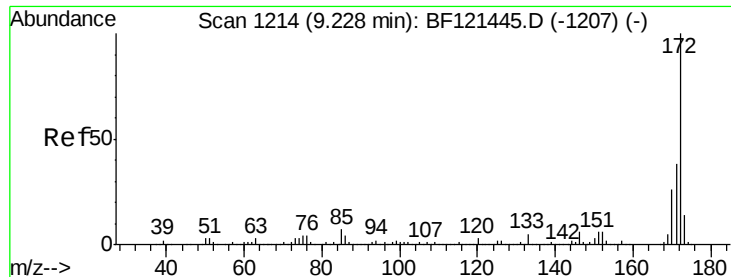
#42
 2,4,6-Tribromophenol
 Concen: 135.521 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF121503.D
 Acq: 1 Sep 2020 18:37

Tgt Ion:330 Resp: 678610
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.2 114.2
 141 28.3 24.6 36.8



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



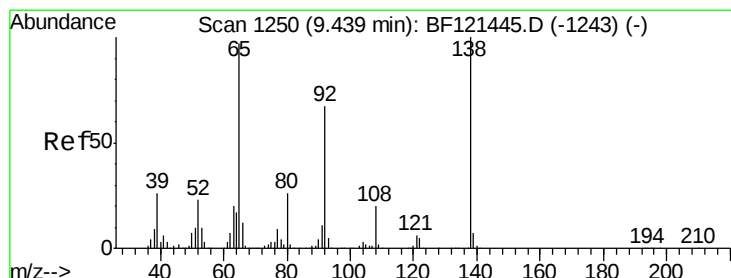
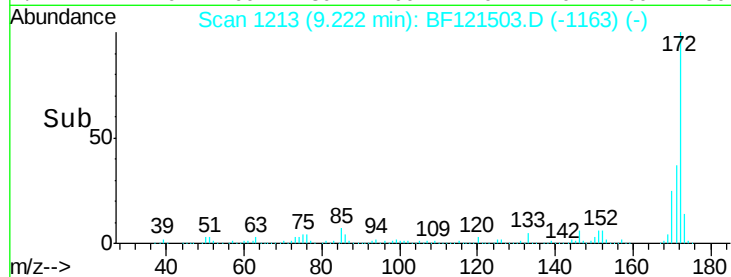
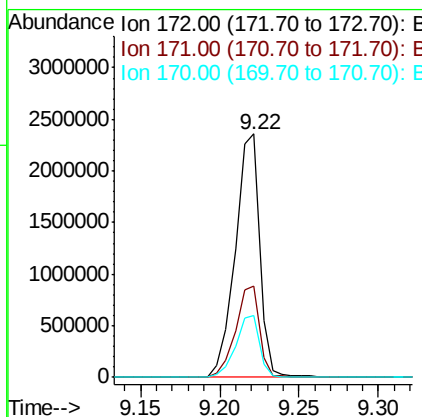
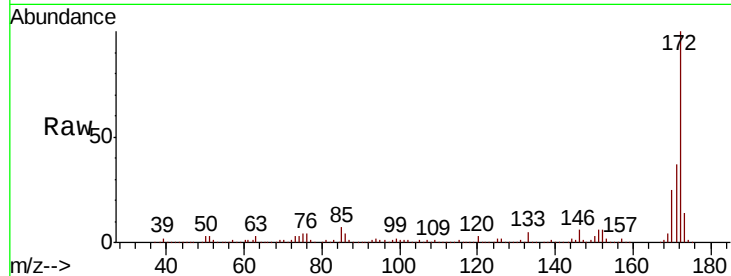


#45
 2-Fluorobiphenyl
 Concen: 82.212 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF121503.D
 Acq: 1 Sep 2020 18:37

Instrument :
 BNA_F
 ClientSampleId :
 251378

Tot Ion:172 Resp: 2525986

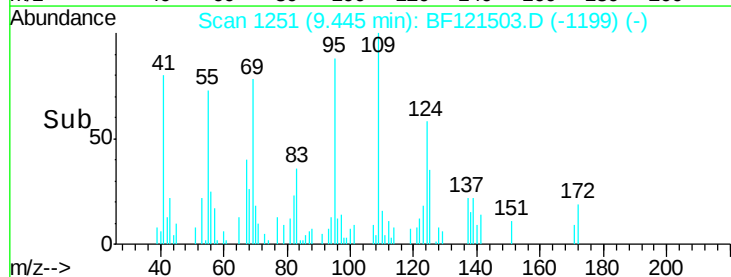
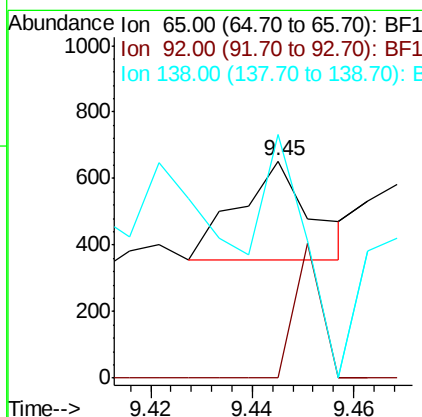
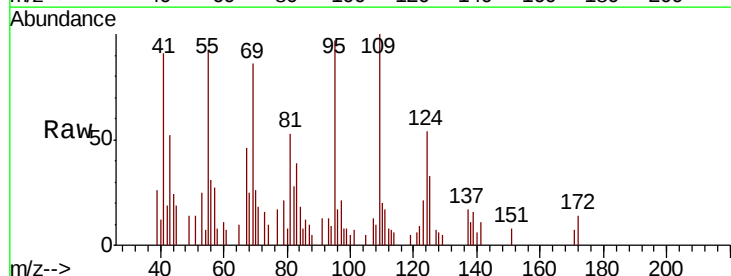
Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.6	45.8
170	25.3	20.6	31.0

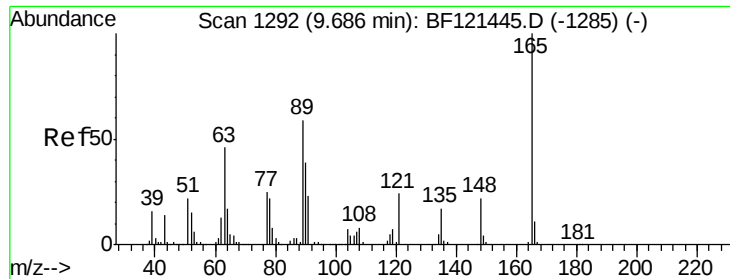


#48
 2-Nitroaniline
 Concen: 6.677 ng
 RT: 9.45 min Scan# 1251
 Delta R.T. 0.01 min
 Lab File: BF121503.D
 Acq: 1 Sep 2020 18:37

Tgt Ion: 65 Resp: 296

Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.6	83.4#
138	112.1	82.9	124.3





#51

2,6-Dinitrotoluene

Concen: 6.758 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.04 min

Lab File: BF121503.D

Acq: 1 Sep 2020 18:37

Instrument :

BNA_F

ClientSampleId :

251378

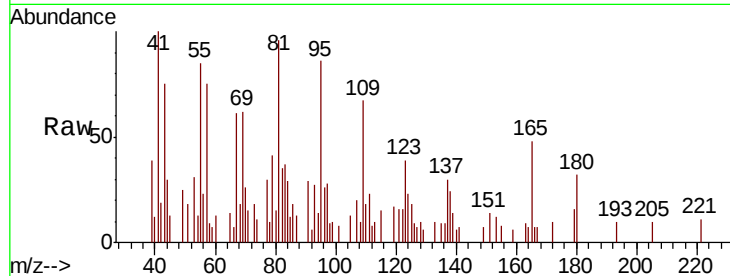
Tot Ion:165 Resp: 2496

Ion Ratio Lower Upper

165 100

63 0.0 43.6 65.4#

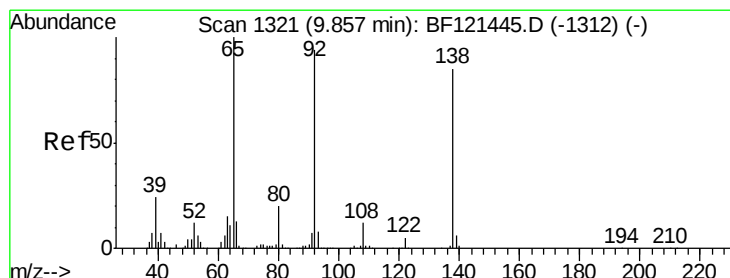
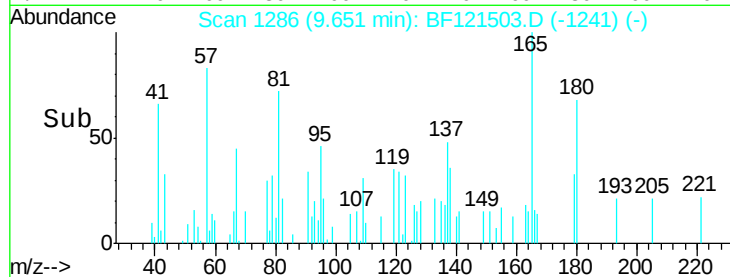
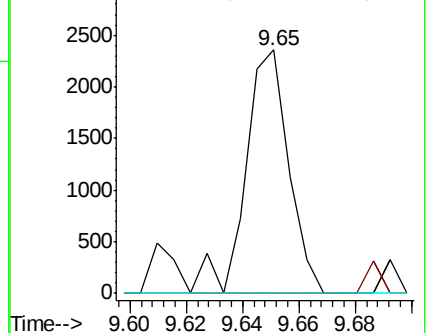
89 0.0 47.4 71.2#



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: 5.748 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.04 min

Lab File: BF121503.D

Acq: 1 Sep 2020 18:37

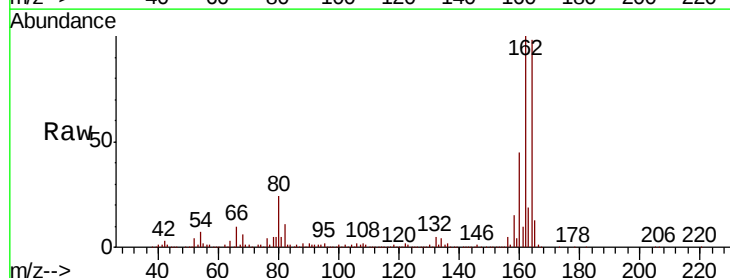
Tgt Ion:138 Resp: 2715

Ion Ratio Lower Upper

138 100

108 721.9 11.6 17.4#

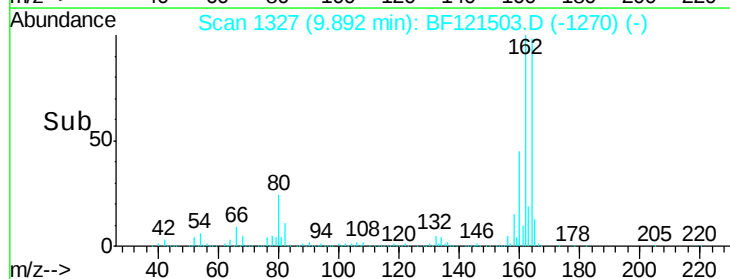
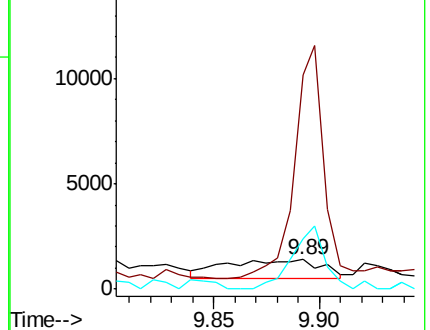
92 167.9 88.6 132.8#

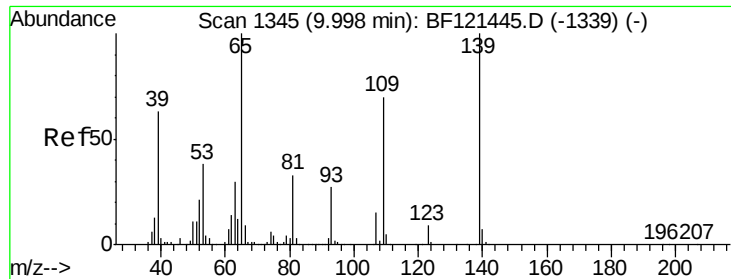


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

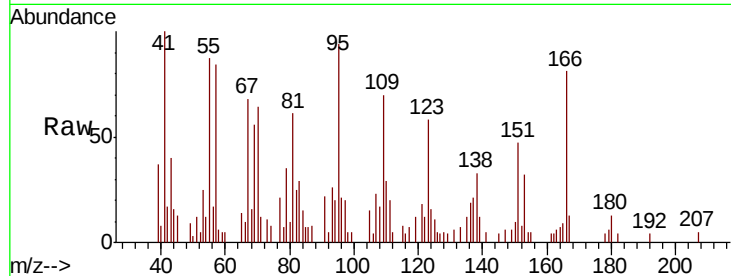




#56
4-Nitrophenol
Concen: 7.889 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.02 min
Lab File: BF121503.D
Acq: 1 Sep 2020 18:37

Instrument :
BNA_F
ClientSampleId :
251378

Tot Ion	Ratio	Lower	Upper
139	100		
109	590.1	50.5	90.5#
65	115.4	80.2	120.2

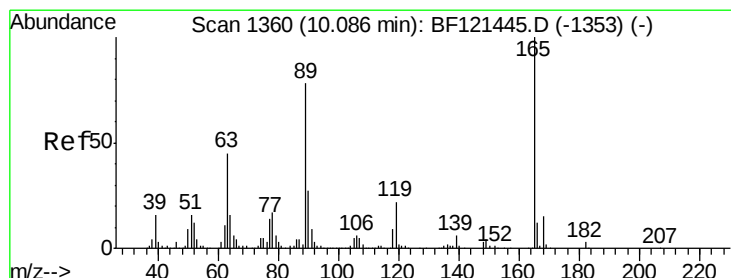
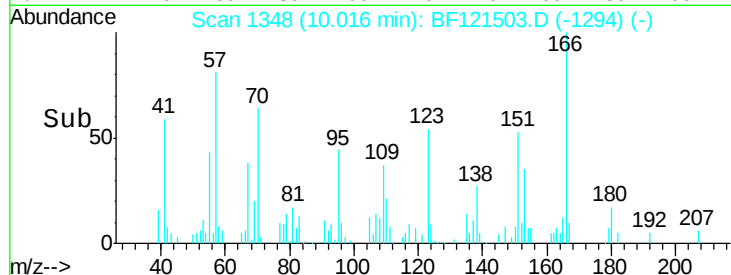
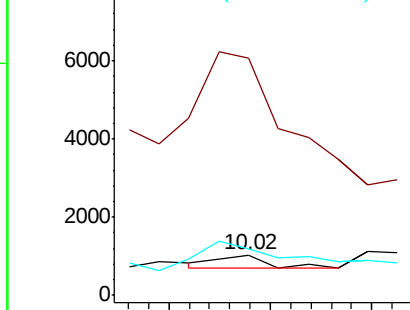


Abundance

Ion 139.00 (138.70 to 139.70): E

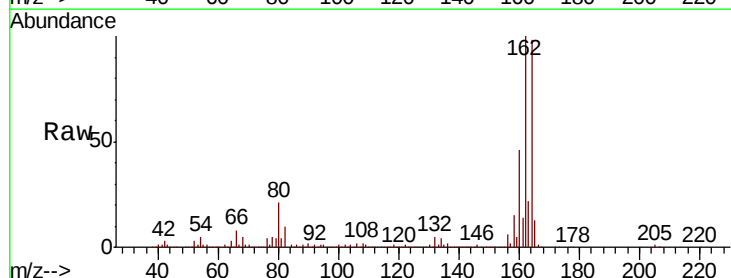
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57
2,4-Dinitrotoluene
Concen: 14.341 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.19 min
Lab File: BF121503.D
Acq: 1 Sep 2020 18:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.0	54.0#
89	1.5	62.6	93.8#
182	0.0	2.2	3.2#



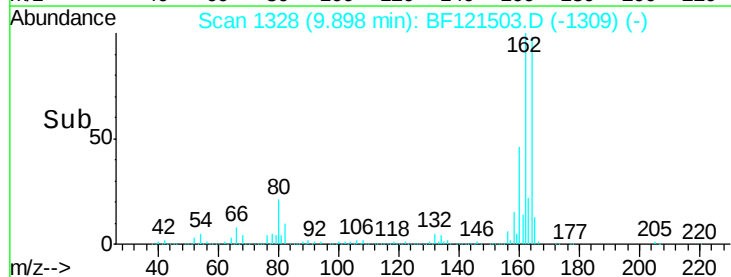
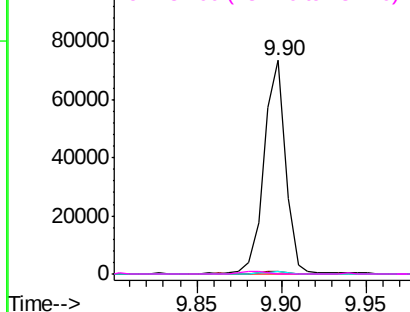
Abundance

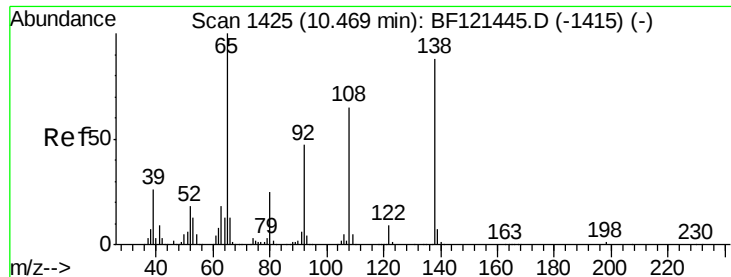
Ion 165.00 (164.70 to 165.70): E

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

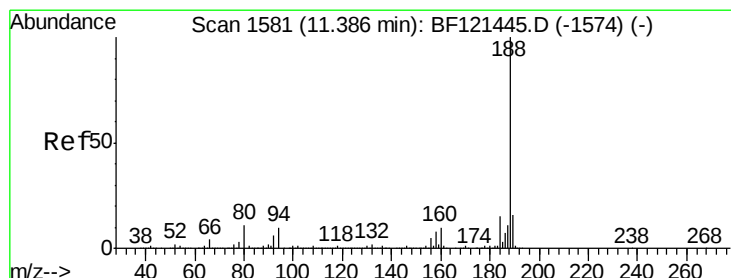
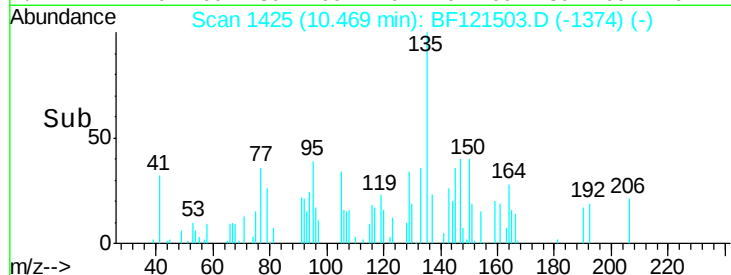
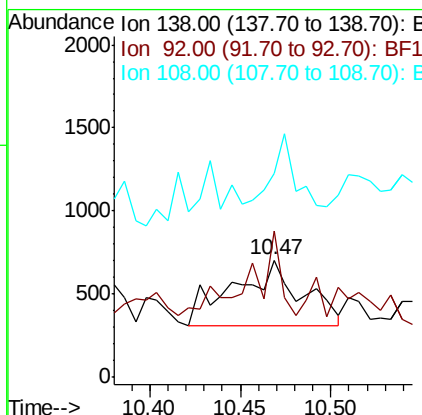
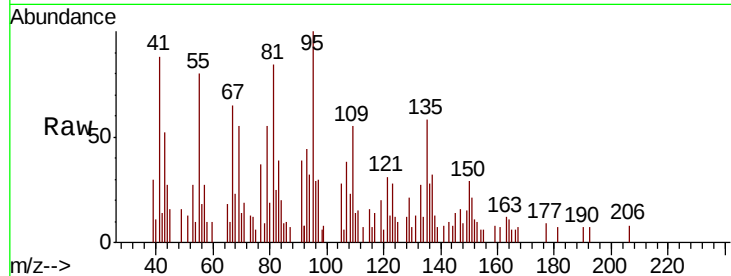




#62
4-Nitroaniline
Concen: 4.647 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.00 min
Lab File: BF121503.D
Acq: 1 Sep 2020 18:37

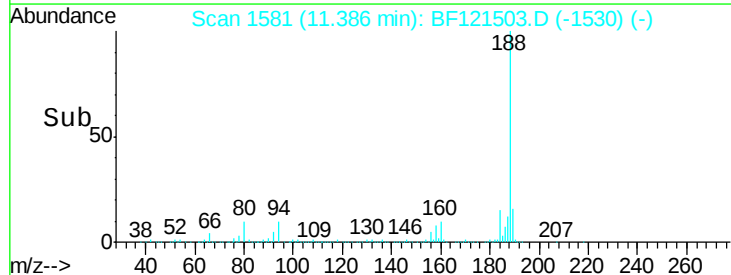
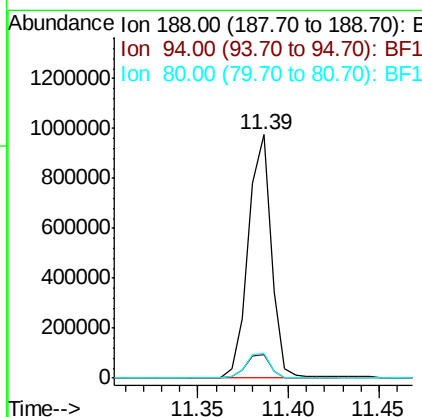
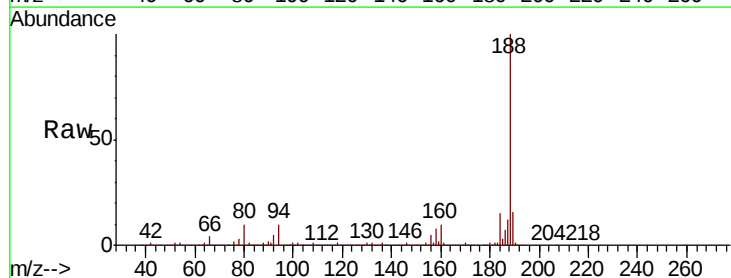
Instrument :
BNA_F
ClientSampled :
251378

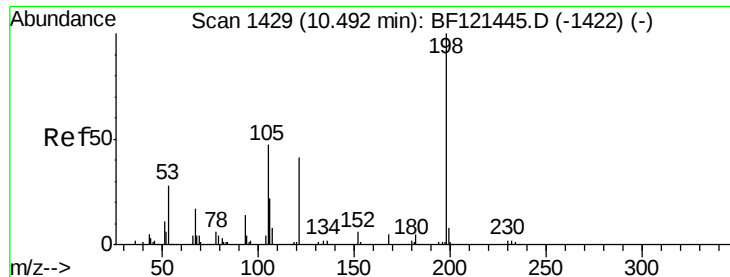
Tot Ion:138 Resp: 1028
Ion Ratio Lower Upper
138 100
92 125.0 33.2 73.2#
108 174.6 53.6 93.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF121503.D
Acq: 1 Sep 2020 18:37

Tgt Ion:188 Resp: 866970
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 10.1 8.6 13.0

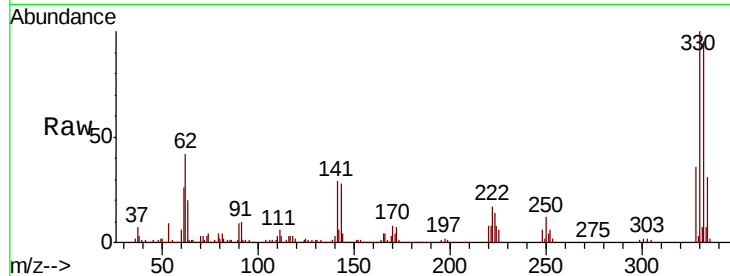




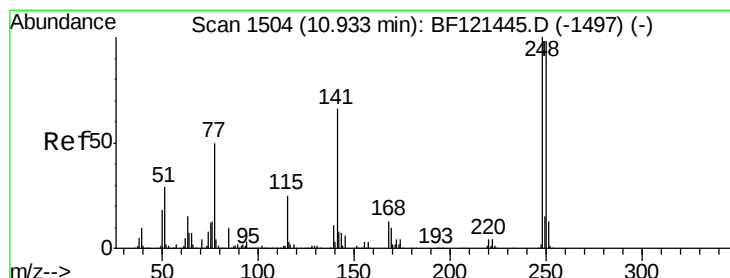
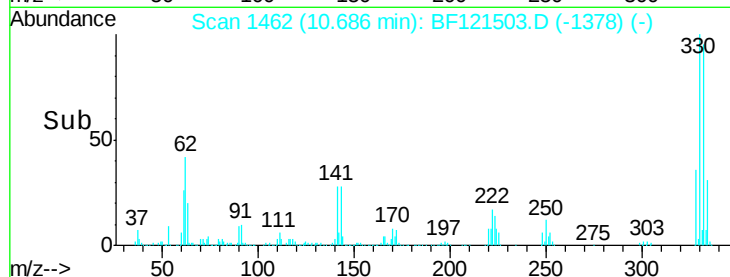
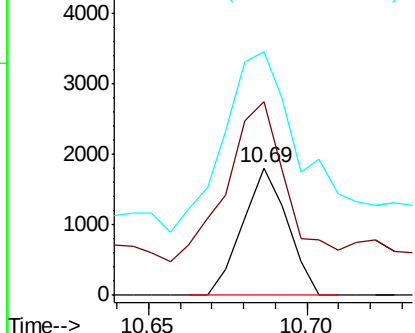
#65
4,6-Dinitro-2-methylphenol
Concen: 6.621 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.19 min
Lab File: BF121503.D
Acq: 1 Sep 2020 18:37

Instrument :
BNA_F
ClientSampleId :
251378

Tot Ion:198 Resp: 1775
Ion Ratio Lower Upper
198 100
51 151.7 29.0 69.0#
105 191.2 29.1 69.1#

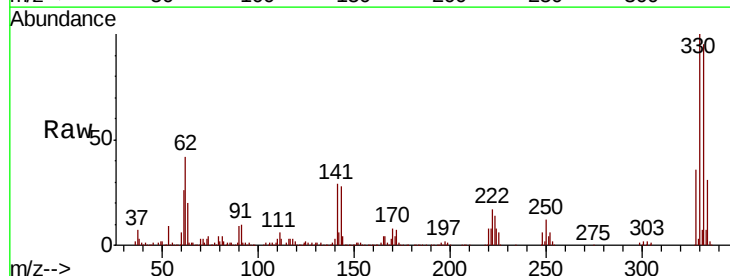


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

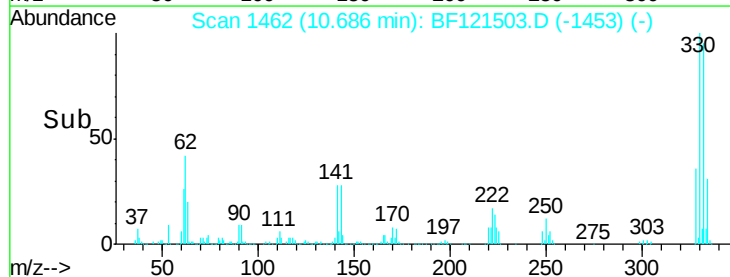
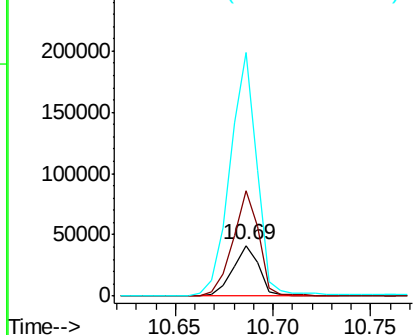


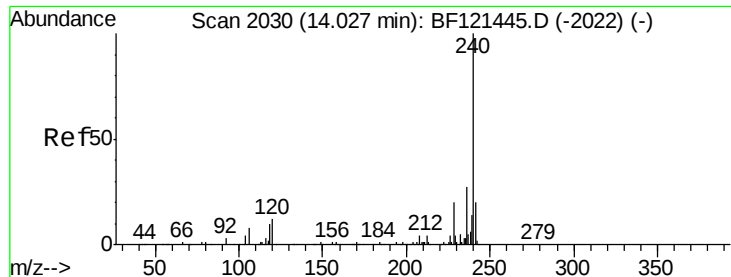
#67
4-Bromophenyl-phenylether
Concen: 4.049 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.25 min
Lab File: BF121503.D
Acq: 1 Sep 2020 18:37

Tgt Ion:248 Resp: 38618
Ion Ratio Lower Upper
248 100
250 210.2 78.7 118.1#
141 483.7 52.6 78.8#



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

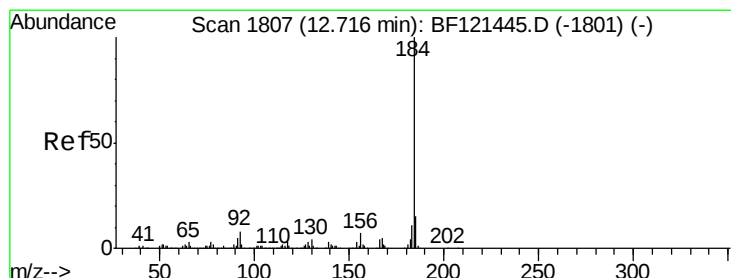
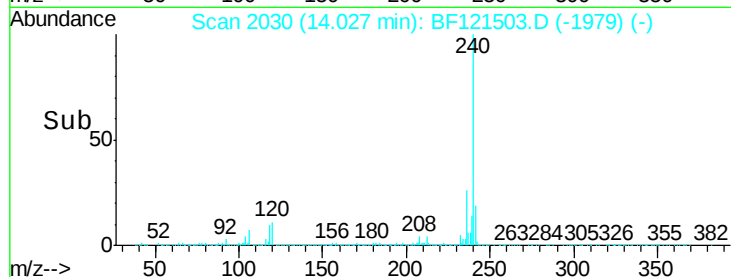
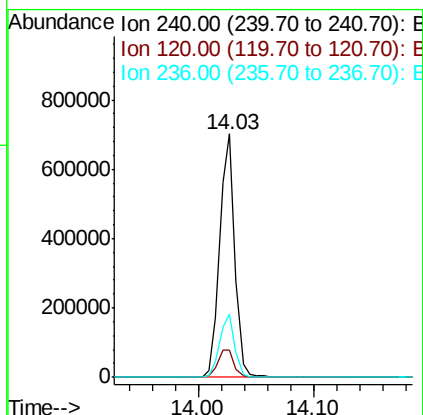
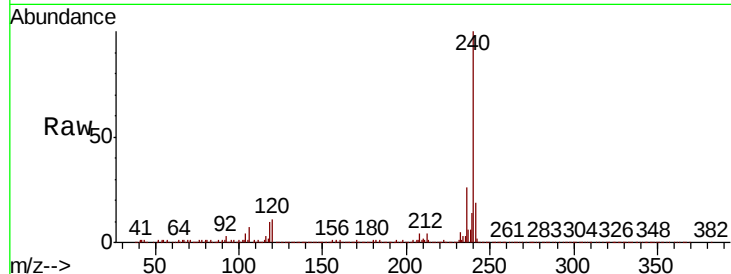




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BF121503.D
Acq: 1 Sep 2020 18:37

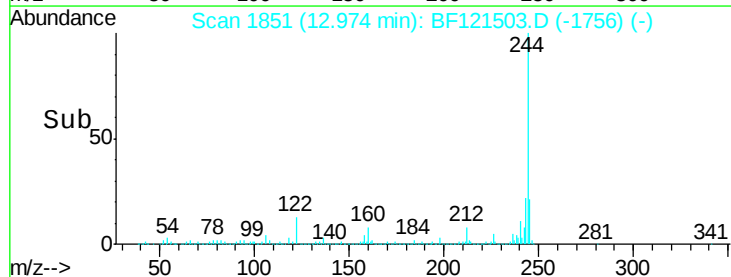
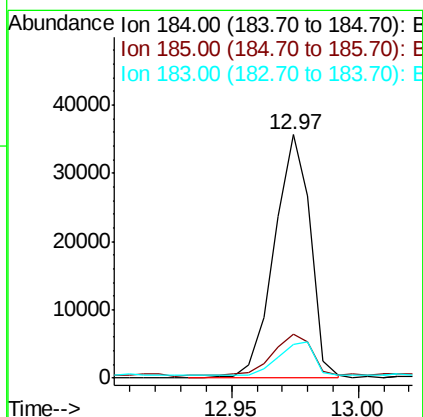
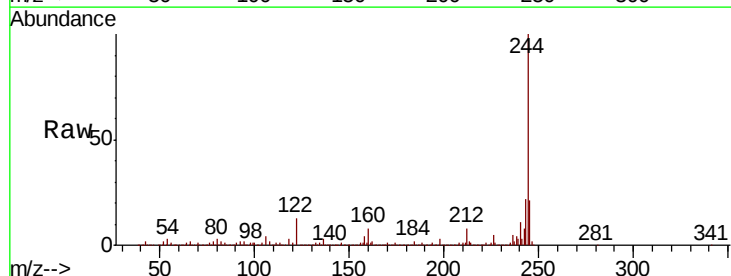
Instrument :
BNA_F
ClientSampleId :
251378

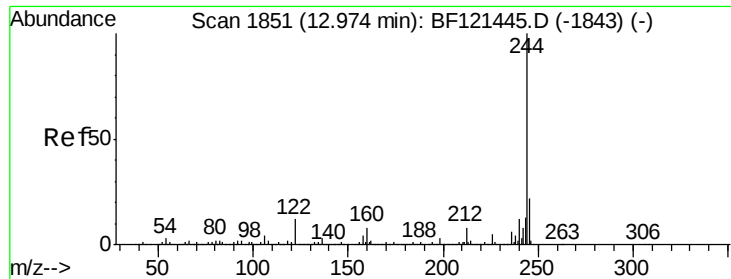
Tot Ion:240 Resp: 636805
Ion Ratio Lower Upper
240 100
120 11.2 9.5 14.3
236 25.7 21.8 32.6



#77
Benzidine
Concen: 2.557 ng
RT: 12.97 min Scan# 1851
Delta R.T. 0.26 min
Lab File: BF121503.D
Acq: 1 Sep 2020 18:37

Tgt Ion:184 Resp: 35514
Ion Ratio Lower Upper
184 100
185 17.9 12.1 18.1
183 14.0 8.9 13.3#





#79

Terphenyl-d14

Concen: 80.094 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BF121503.D

Acq: 1 Sep 2020 18:37

Instrument :

BNA_F

ClientSampleId :

251378

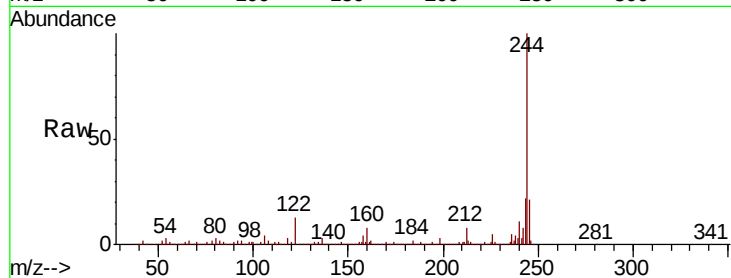
Tot Ion:244 Resp: 2423061

Ion Ratio Lower Upper

244 100

212 7.6 6.3 9.5

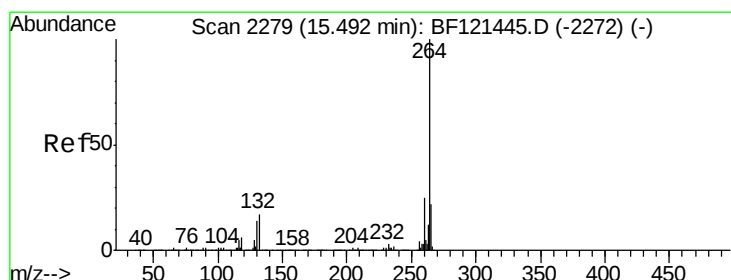
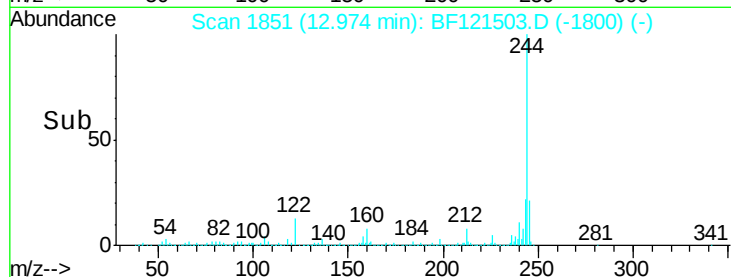
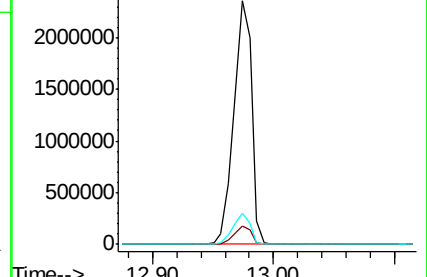
122 12.6 9.5 14.3



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: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF121503.D

Acq: 1 Sep 2020 18:37

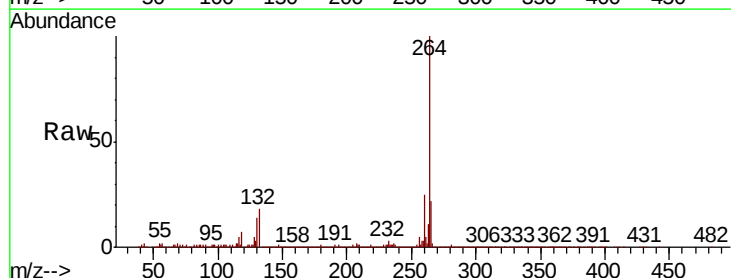
Tgt Ion:264 Resp: 677831

Ion Ratio Lower Upper

264 100

260 24.5 19.6 29.4

265 22.0 17.8 26.6



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

