

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
 Data File : BF121348.D
 Acq On : 20 Aug 2020 15:43
 Operator : JU/CG
 Sample : L3689-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Aug 20 16:29:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	148981	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	487640	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	194377	20.00	ng	0.01
64) Phenanthrene-d10	11.22	188	362887	20.00	ng	0.01
76) Chrysene-d12	13.85	240	344593	20.00	ng	0.00
86) Perylene-d12	15.27	264	379344	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	587245	64.63	ng	0.00
7) Phenol-d6	6.34	99	762610	65.75	ng	0.00
23) Nitrobenzene-d5	7.26	82	463880	53.80	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	158695	70.06	ng	0.01
45) 2-Fluorobiphenyl	9.06	172	749927	72.10	ng	0.00
79) Terphenyl-d14	12.80	244	697279	39.54	ng	0.00

Target Compounds

						Qvalue
12) 1,3-Dichlorobenzene	6.71	146	63620	5.980	ng	98
13) 1,4-Dichlorobenzene	6.71	146	63620	5.924	ng	97
14) 1,2-Dichlorobenzene	6.86	146	125522	12.272	ng	98
19) n-Nitroso-di-n-propylamine	7.12	70	18853	3.022	ng #	64
20) 3+4-Methylphenols	7.13	107	3556	Below Cal	#	44
25) Isophorone	7.50	82	51806	3.302	ng #	1
26) 2-Nitrophenol	7.60	139	10735	2.382	ng #	1
31) Naphthalene	8.00	128	61225	2.523	ng #	73
32) Benzoic acid	7.90	122	5954	8.075	ng	91
35) Caprolactam	8.45	113	14742	6.411	ng #	1
37) 2-Methylnaphthalene	8.70	142	271743	17.275	ng	99
38) 1-Methylnaphthalene	8.70	142	271743	18.168	ng	97
49) Acenaphthylene	9.60	152	78353	4.395	ng #	62
50) Dimethylphthalate	9.45	163	80590	5.699	ng #	44
51) 2,6-Dinitrotoluene	9.54	165	6407	2.121	ng #	57
52) Acenaphthene	9.77	154	28883	2.666	ng #	84
53) 3-Nitroaniline	9.69	138	12237	3.239	ng #	28
55) Dibenzofuran	9.94	168	35893	Below Cal	#	1
57) 2,4-Dinitrotoluene	9.95	165	15015	4.075	ng #	65
58) Fluorene	10.29	166	55437	Below Cal	#	81
61) 4-Chlorophenyl-phenylether	10.29	204	2792	Below Cal	#	1
62) 4-Nitroaniline	10.19	138	10382	2.682	ng	84
66) n-Nitrosodiphenylamine	10.40	169	136588	12.202	ng #	47
71) Phenanthrene	11.25	178	282324	15.032	ng #	95
72) Anthracene	11.30	178	66530	3.679	ng #	85
75) Fluoranthene	12.43	202	317368	15.568	ng	96
78) Pyrene	12.66	202	322308	12.452	ng	99
81) Benzo(a)anthracene	13.84	228	197358	9.221	ng #	87
83) Chrysene	13.87	228	269283	12.302	ng	96
87) Indeno(1,2,3-cd)pyrene	16.64	276	267416	11.548	ng	98
88) Benzo(b)fluoranthene	14.87	252	574138	23.427	ng	96
89) Benzo(k)fluoranthene	14.87	252	574138	26.614	ng	96
90) Benzo(a)pyrene	15.21	252	301725	14.249	ng	95
91) Dibenzo(a,h)anthracene	16.64	278	153362	8.078	ng #	91

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QLast Update : Thu Aug 20 04:56:10 2020
Response via : Initial Calibration

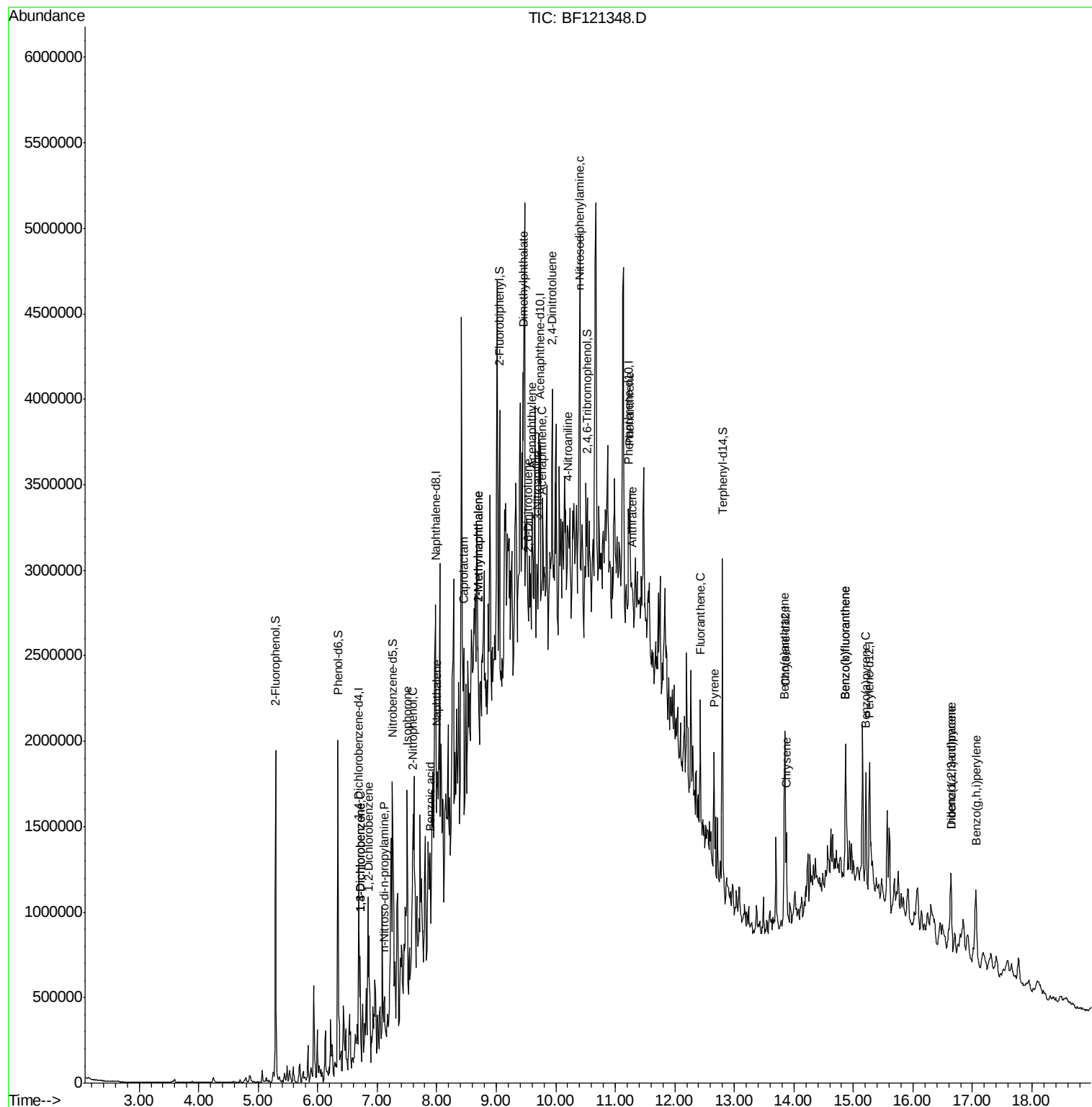
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Benzo(q,h,i)perylene	17.06	276	331318	17.850	ng	97

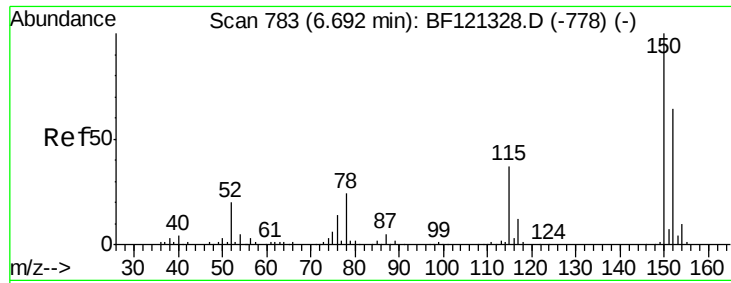
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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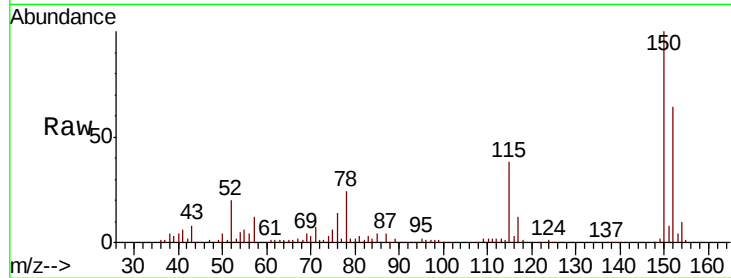


#1

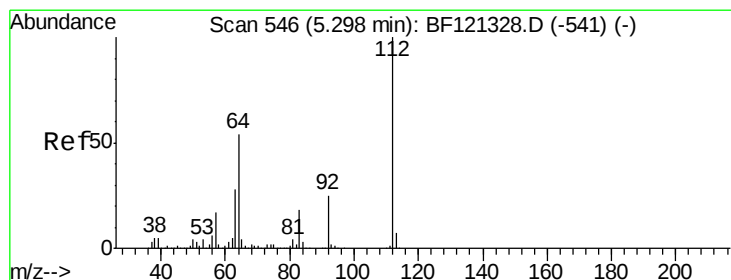
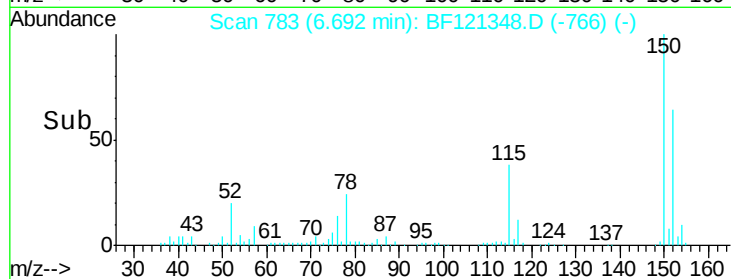
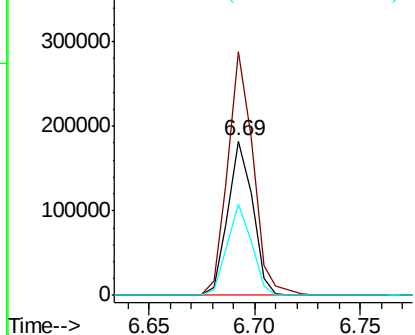
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF121348.D
 Acq: 20 Aug 2020 15:43

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.8	187.2
115	59.2	46.1	69.1



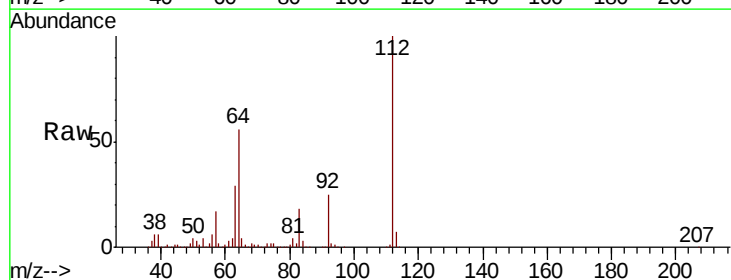
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



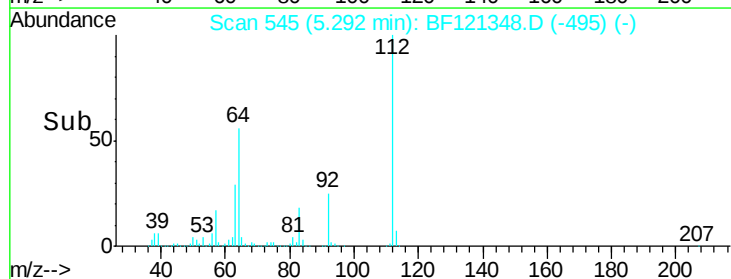
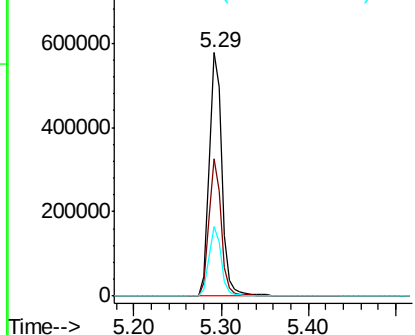
#5

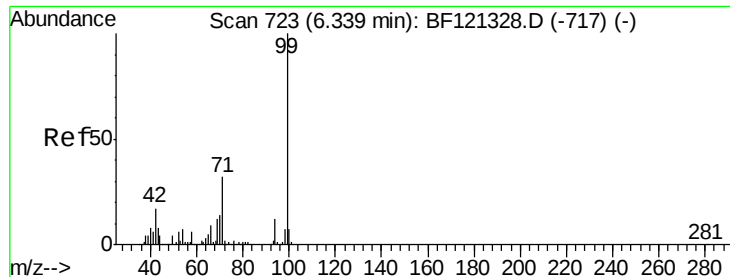
2-Fluorophenol
 Concen: 64.634 ng
 RT: 5.29 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: BF121348.D
 Acq: 20 Aug 2020 15:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	43.5	65.3
63	28.7	22.0	33.0



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: 65.750 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Instrument :

BNA_F

ClientSampled :

TP-5

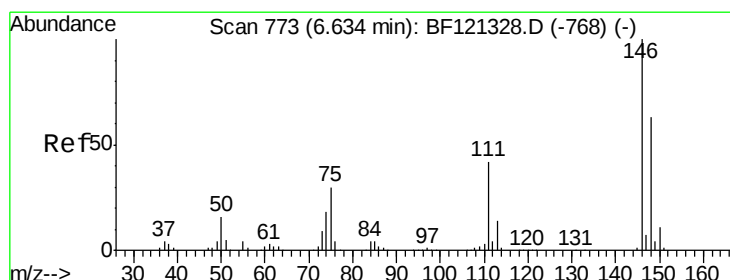
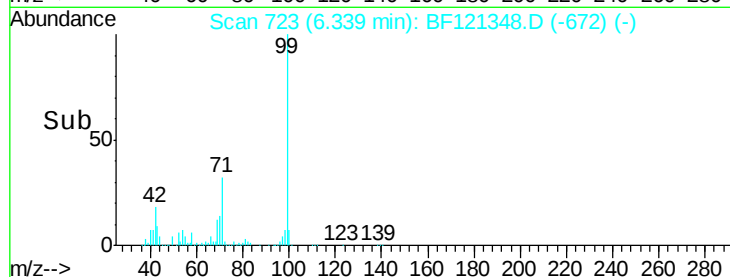
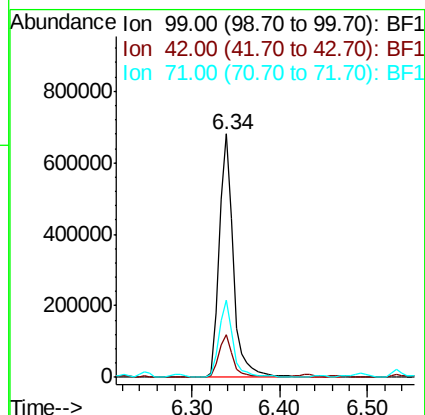
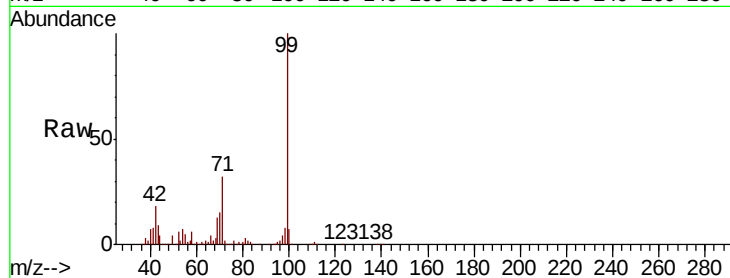
Tot Ion: 99 Resp: 762610

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

71 31.8 25.2 37.8



#12

1,3-Dichlorobenzene

Concen: 5.980 ng

RT: 6.71 min Scan# 786

Delta R.T. 0.08 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

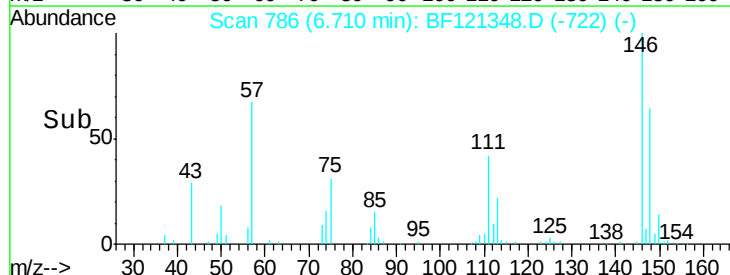
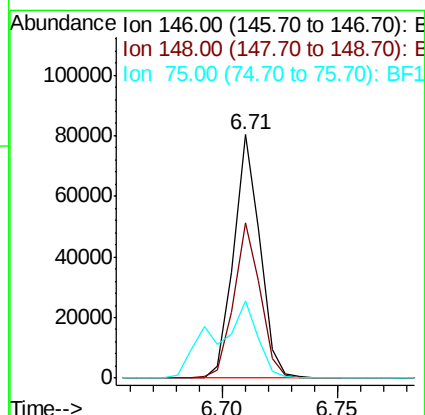
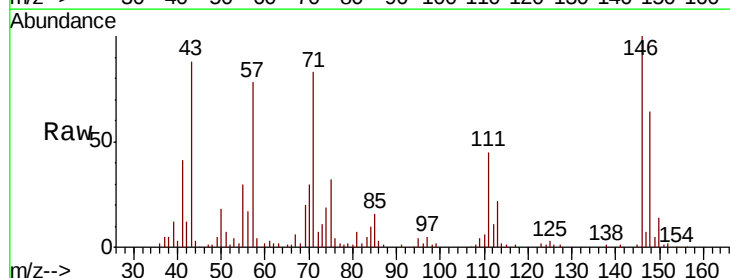
Tgt Ion: 146 Resp: 63620

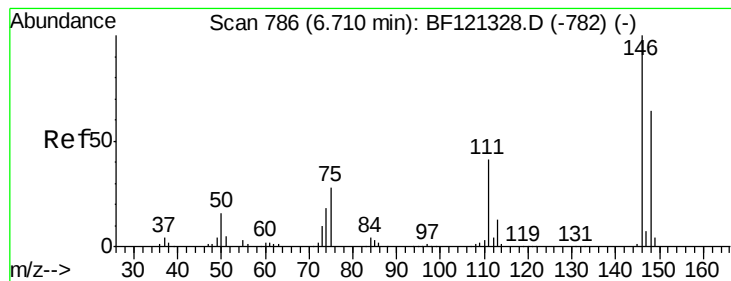
Ion Ratio Lower Upper

146 100

148 63.8 50.7 76.1

75 31.7 23.8 35.6





#13

1,4-Dichlorobenzene

Concen: 5.924 ng

RT: 6.71 min Scan# 786

Delta R.T. 0.00 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Instrument :

BNA_F

ClientSampled :

TP-5

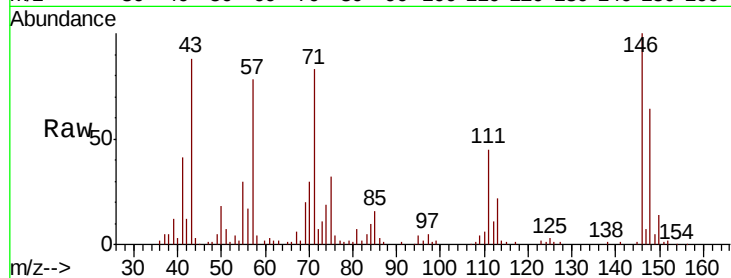
Tot Ion:146 Resp: 63620

Ion Ratio Lower Upper

146 100

148 63.8 51.2 76.8

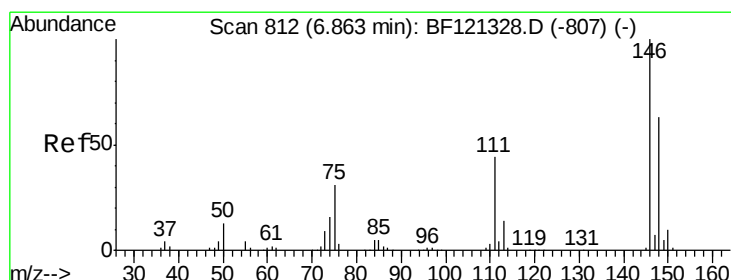
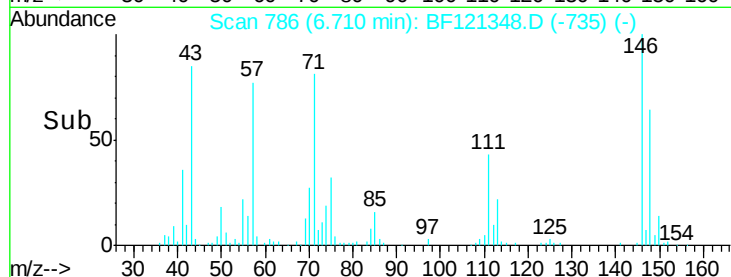
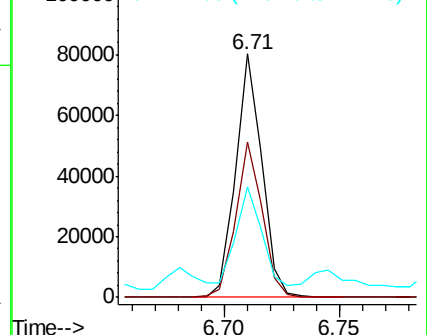
111 45.4 33.3 49.9



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 12.272 ng

RT: 6.86 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

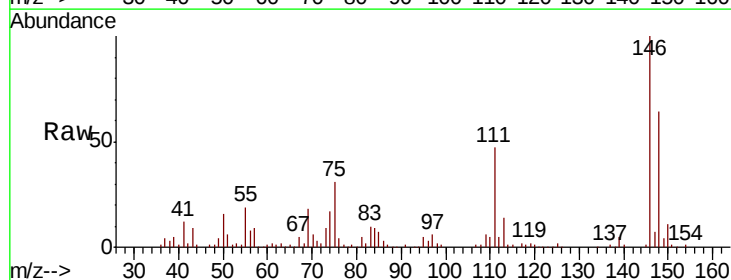
Tgt Ion:146 Resp: 125522

Ion Ratio Lower Upper

146 100

148 63.7 50.3 75.5

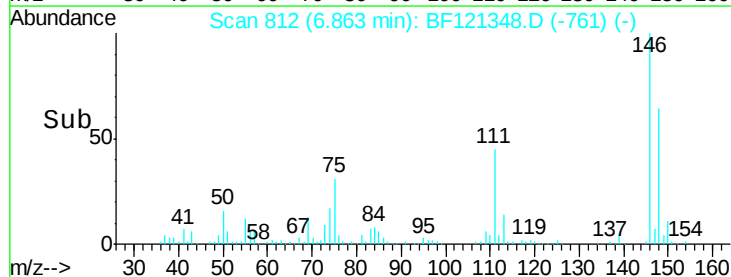
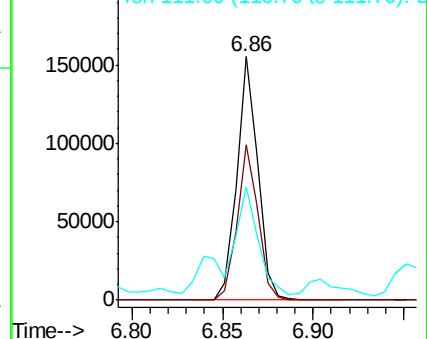
111 46.6 35.5 53.3

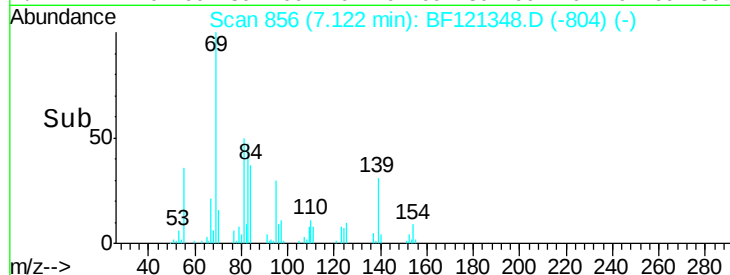
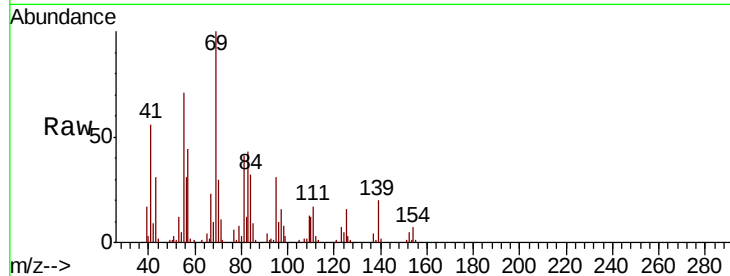
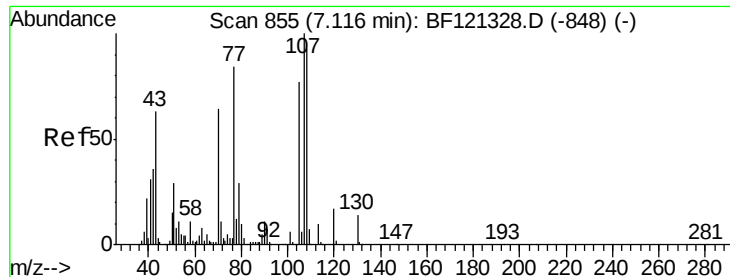


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

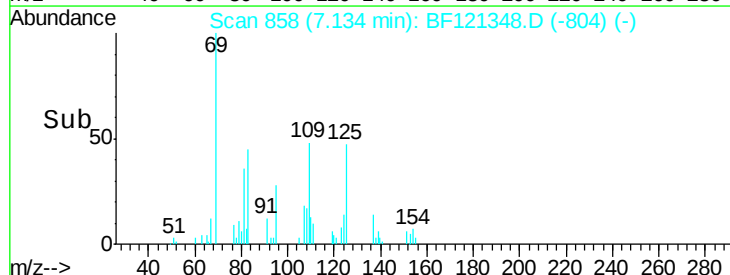
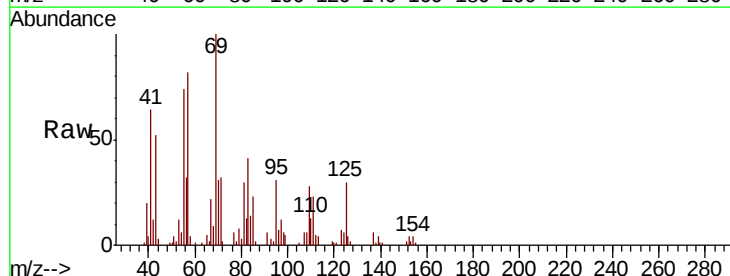
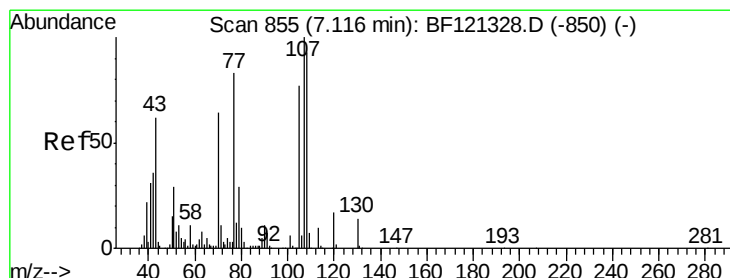
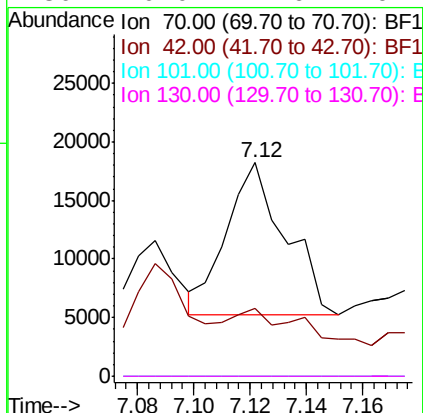




#19
n-Nitroso-di-n-propylamine
Concen: 3.022 ng
RT: 7.12 min Scan# 856
Delta R.T. 0.01 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

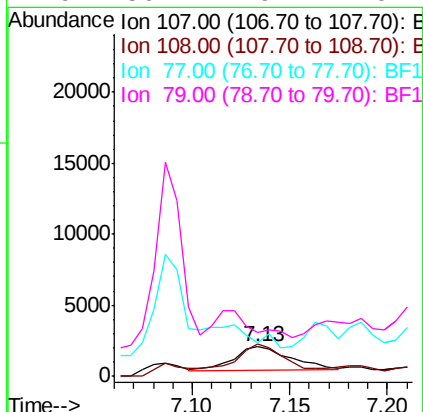
Instrument :
BNA_F
ClientSampleId :
TP-5

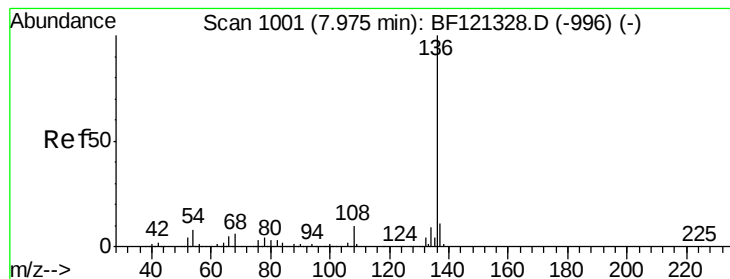
Tot Ion	Ratio	Lower	Upper
70	100		
42	31.9	45.2	67.8#
101	0.0	7.7	11.5#
130	0.0	17.6	26.4#



#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.13 min Scan# 858
Delta R.T. 0.02 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Tgt Ion	Ratio	Lower	Upper
107	100		
108	111.6	72.6	112.6
77	116.4	63.8	103.8#
79	150.1	9.1	49.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Instrument :

BNA_F

ClientSampleId :

TP-5

Tot Ion:136 Resp: 487640

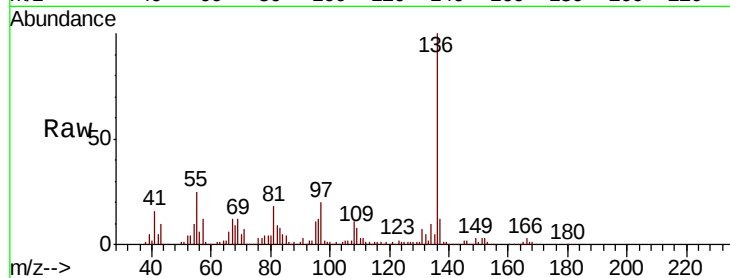
Ion Ratio Lower Upper

136 100

137 11.9 8.9 13.3

54 10.0 6.1 9.1#

68 9.2 5.0 7.4#

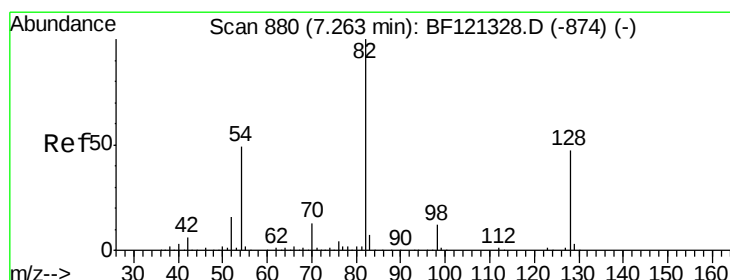
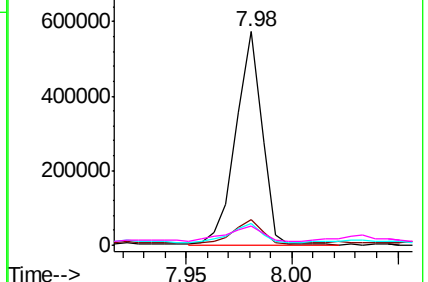
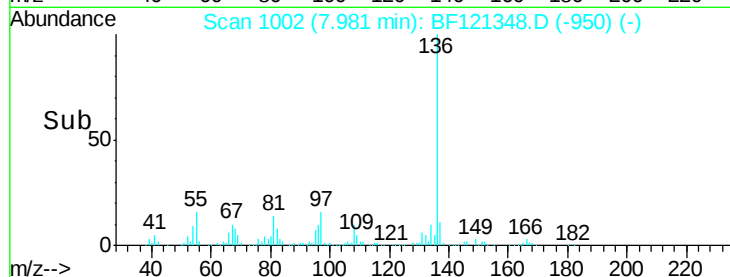


Abundance Ion 136.00 (135.70 to 136.70): E

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: 53.800 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

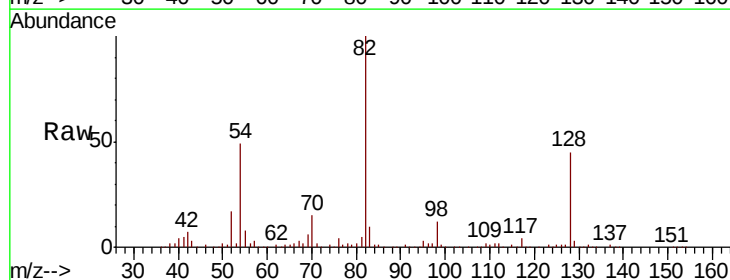
Tgt Ion: 82 Resp: 463880

Ion Ratio Lower Upper

82 100

128 45.5 37.9 56.9

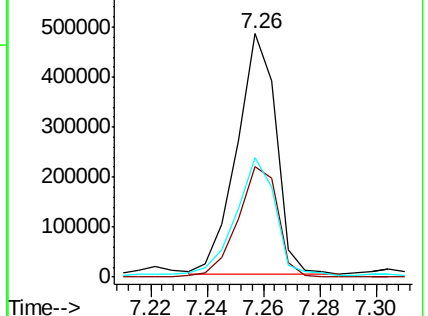
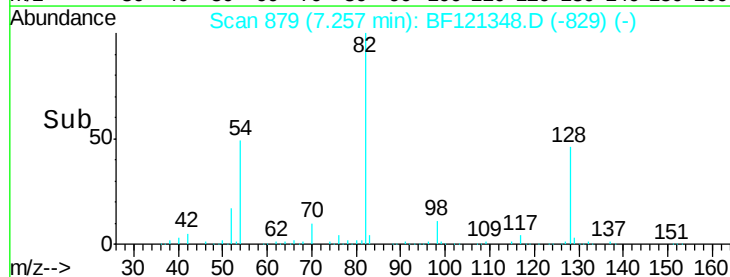
54 49.2 39.0 58.4

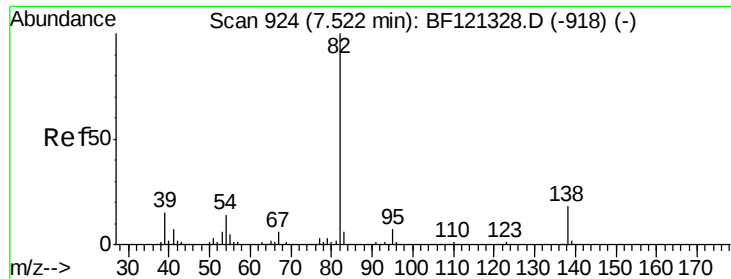


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

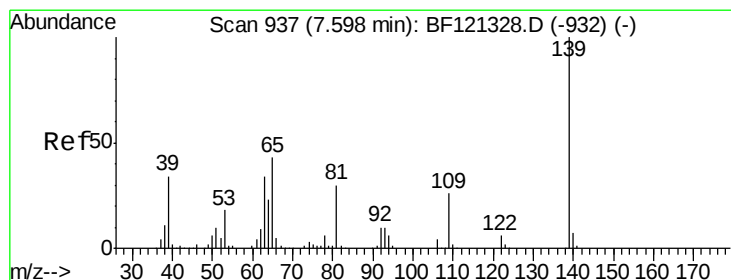
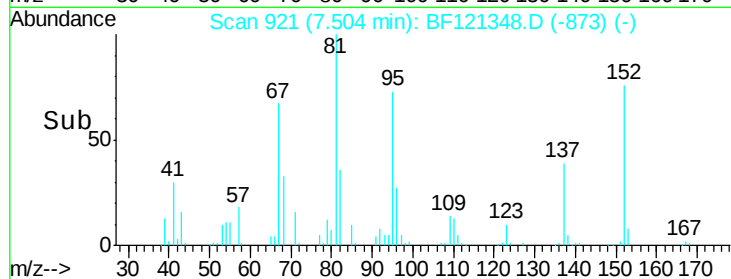
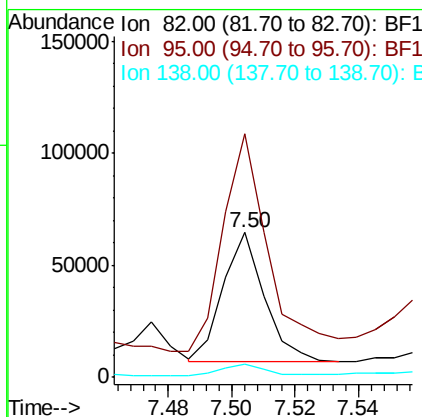
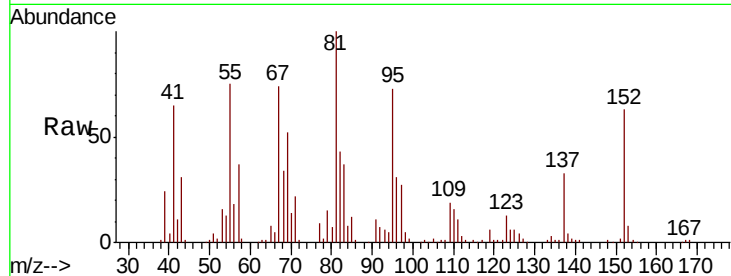




#25
Isophorone
Concen: 3.302 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.02 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

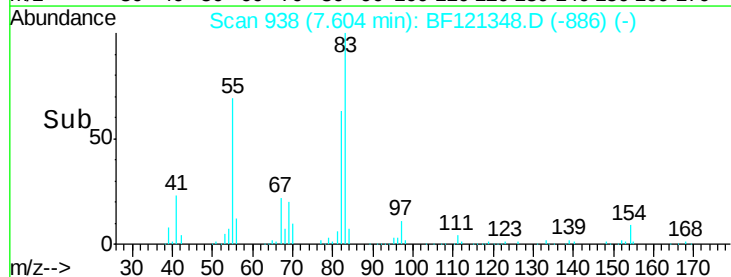
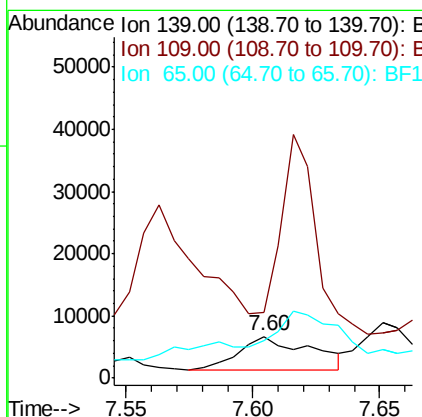
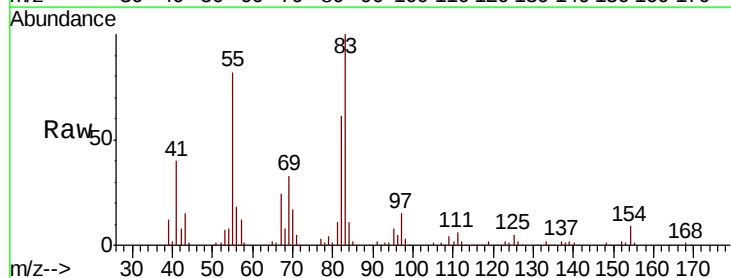
Instrument :
BNA_F
ClientSampleId :
TP-5

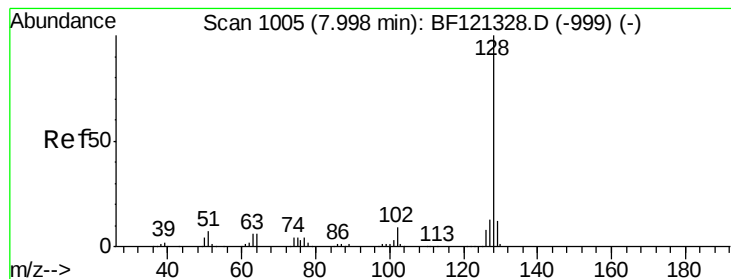
Tot Ion: 82 Resp: 51806
Ion Ratio Lower Upper
82 100
95 168.2 5.3 7.9#
138 9.3 14.6 21.8#



#26
2-Nitrophenol
Concen: 2.382 ng
RT: 7.60 min Scan# 938
Delta R.T. 0.01 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Tgt Ion: 139 Resp: 10735
Ion Ratio Lower Upper
139 100
109 157.1 21.1 31.7#
65 89.8 34.5 51.7#





#31

Naphthalene

Concen: 2.523 ng

RT: 8.00 min Scan# 1006

Delta R.T. 0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Instrument :

BNA_F

ClientSampled :

TP-5

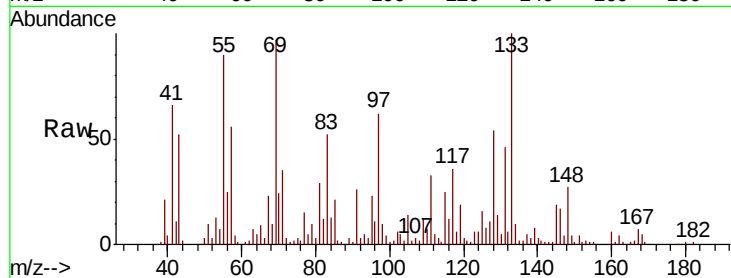
Tot Ion:128 Resp: 61225

Ion Ratio Lower Upper

128 100

129 25.7 9.3 13.9#

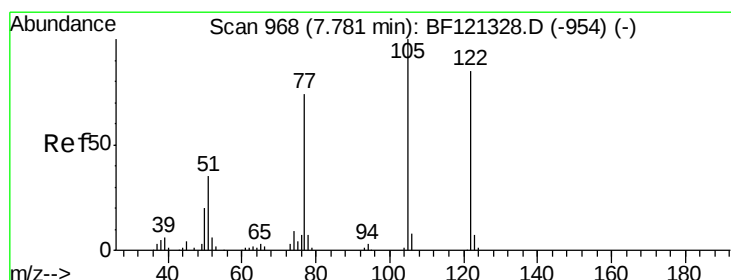
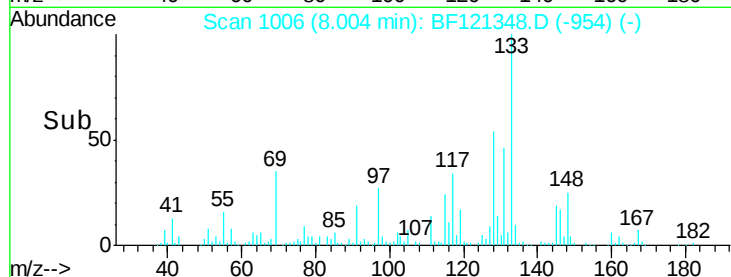
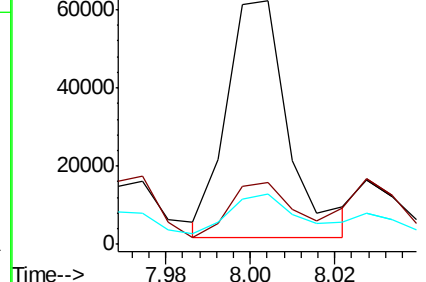
127 20.5 10.6 16.0#



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: 8.075 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.12 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

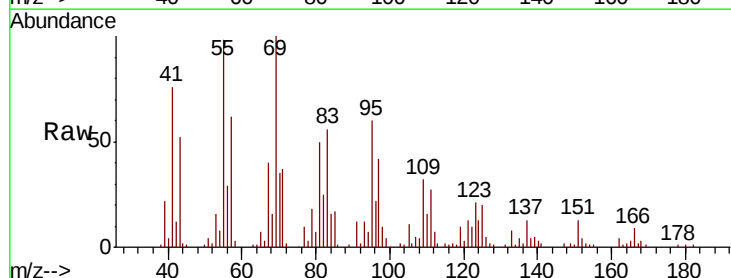
Tgt Ion:122 Resp: 5954

Ion Ratio Lower Upper

122 100

105 116.2 96.7 136.7

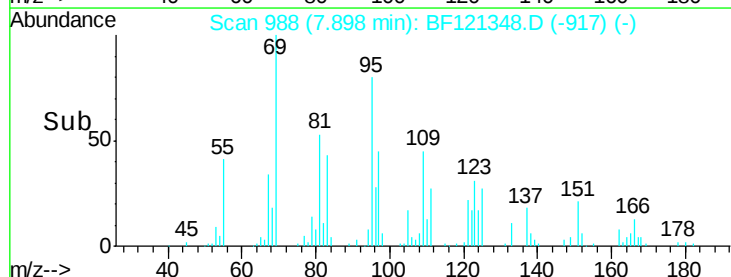
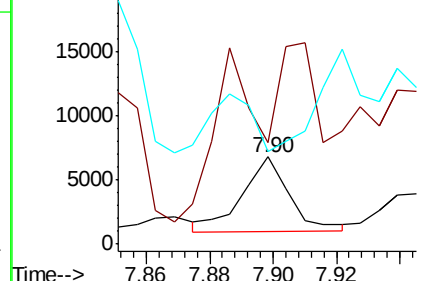
77 106.1 66.7 106.7

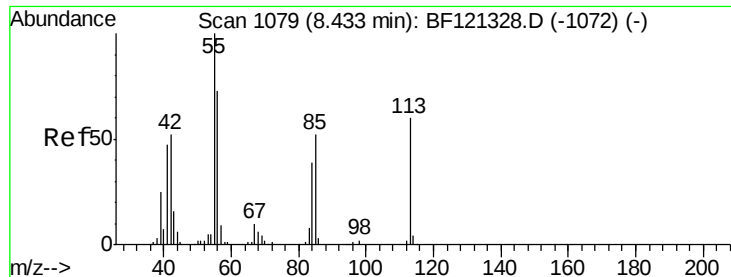


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#35

Caprolactam

Concen: 6.411 ng

RT: 8.45 min Scan# 1081

Delta R.T. 0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Instrument :

BNA_F

ClientSampleId :

TP-5

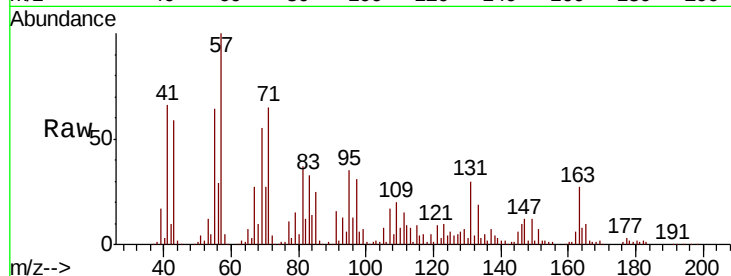
Tot Ion:113 Resp: 14742

Ion Ratio Lower Upper

113 100

55 807.6 147.9 187.9#

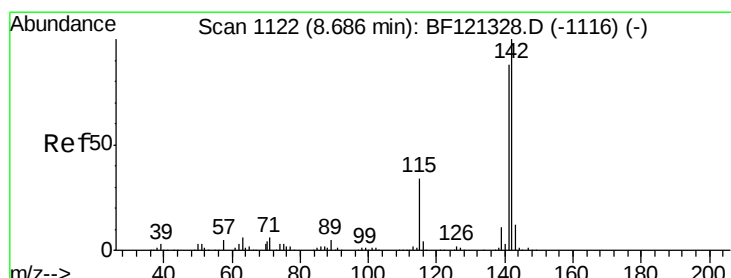
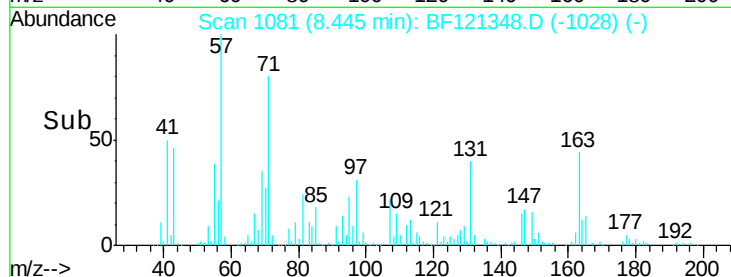
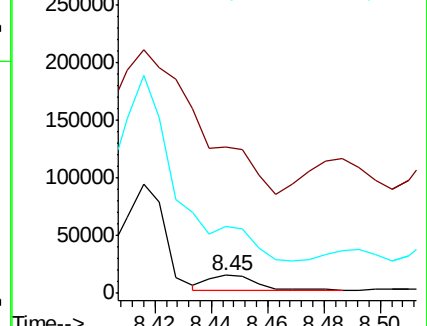
56 369.8 102.4 142.4#



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



#37

2-Methylnaphthalene

Concen: 17.275 ng

RT: 8.70 min Scan# 1124

Delta R.T. 0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

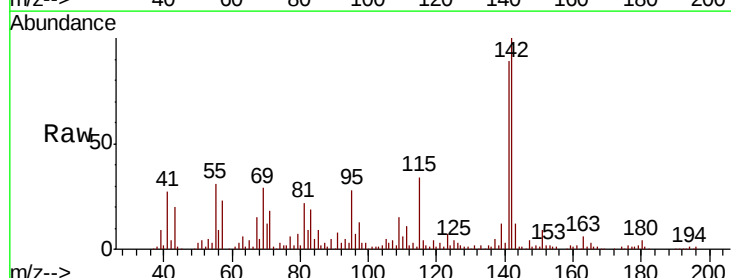
Tgt Ion:142 Resp: 271743

Ion Ratio Lower Upper

142 100

141 88.8 70.3 105.5

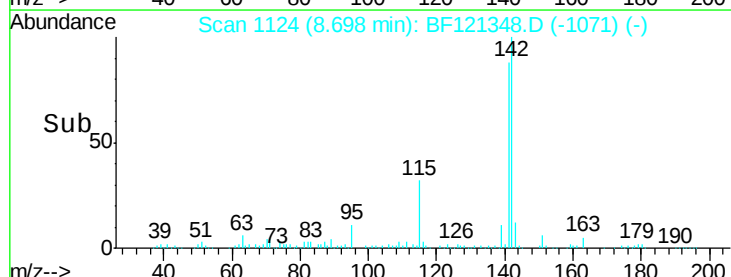
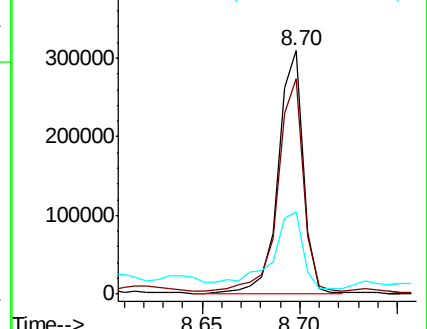
115 33.8 26.9 40.3

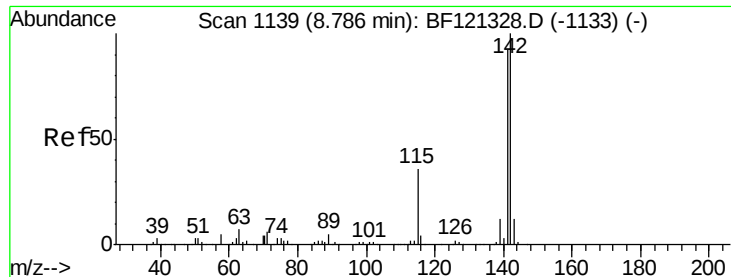


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

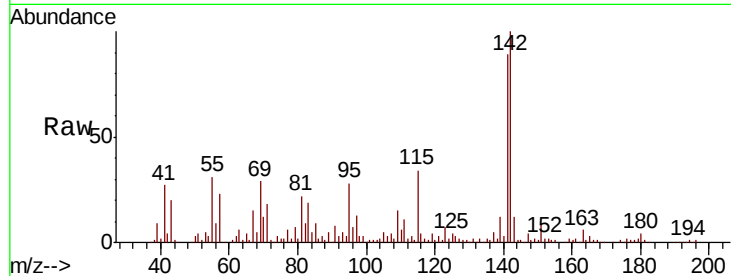




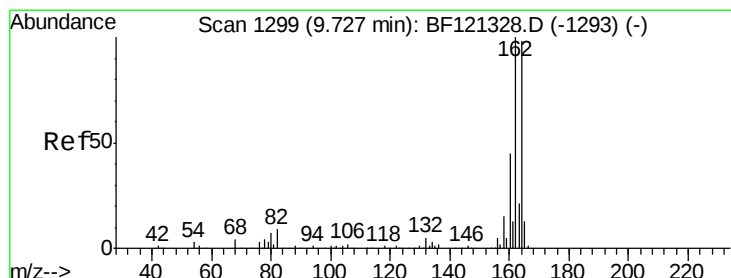
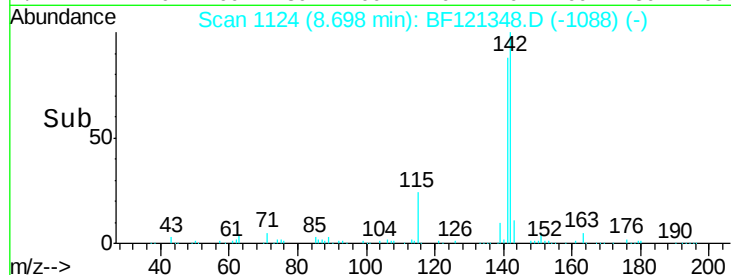
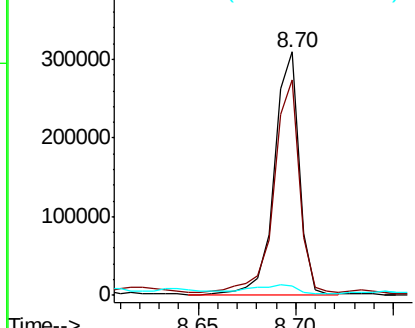
#38
 1-Methylnaphthalene
 Concen: 18.168 ng
 RT: 8.70 min Scan# 1124
 Delta R.T. -0.09 min
 Lab File: BF121348.D
 Acq: 20 Aug 2020 15:43

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tot Ion:142 Resp: 271743
 Ion Ratio Lower Upper
 142 100
 141 88.8 73.6 110.4
 116 3.8 3.0 4.4

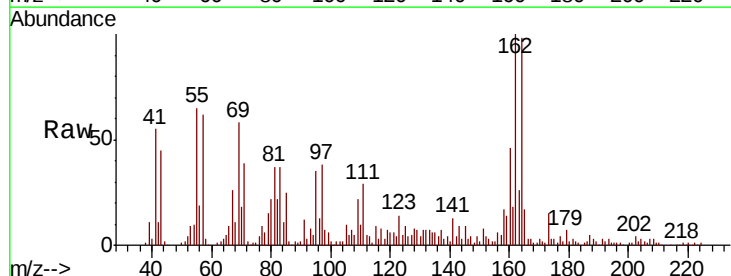


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

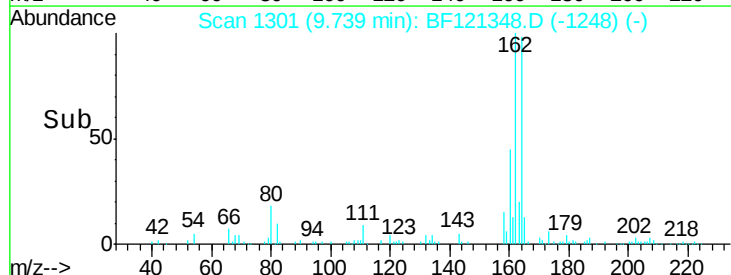
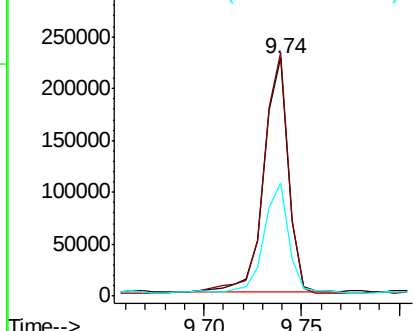


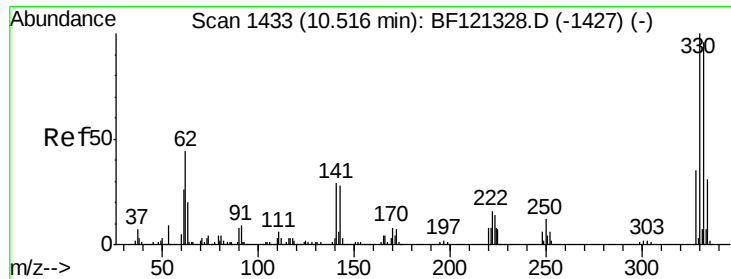
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: BF121348.D
 Acq: 20 Aug 2020 15:43

Tgt Ion:164 Resp: 194377
 Ion Ratio Lower Upper
 164 100
 162 102.3 81.7 122.5
 160 47.4 37.0 55.4



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

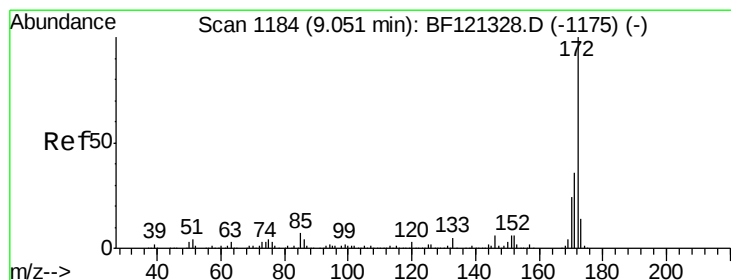
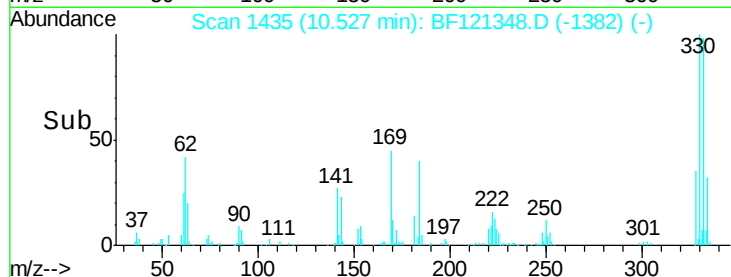
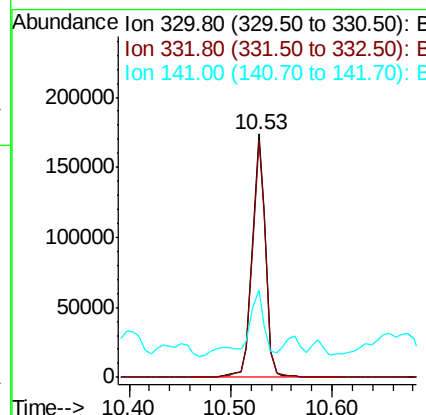
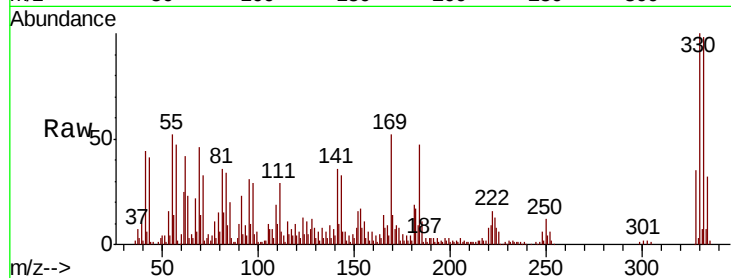




#42
 2,4,6-Tribromophenol
 Concen: 70.061 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: BF121348.D
 Acq: 20 Aug 2020 15:43

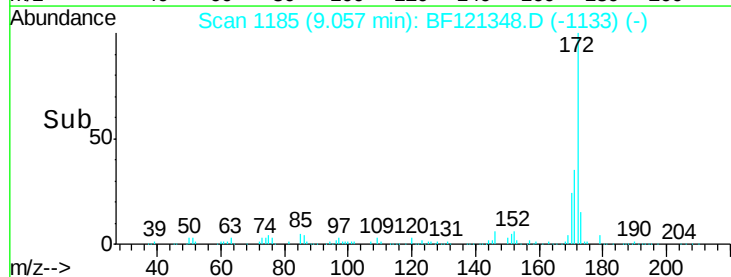
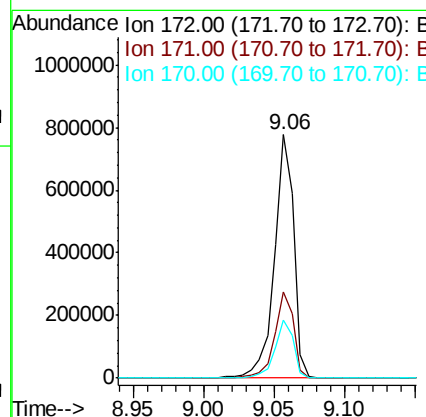
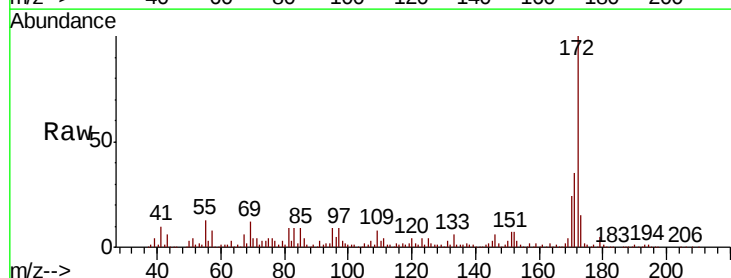
Instrument :
 BNA_F
 ClientSampleId :
 TP-5

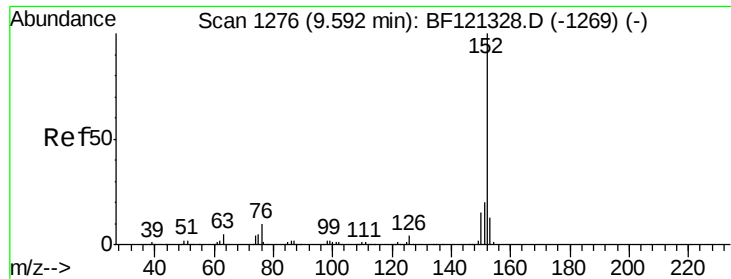
Tot Ion:330 Resp: 158695
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.9 115.3
 141 24.1 22.8 34.2



#45
 2-Fluorobiphenyl
 Concen: 72.102 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: BF121348.D
 Acq: 20 Aug 2020 15:43

Tgt Ion:172 Resp: 749927
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.0 43.6
 170 23.6 19.4 29.2





#49

Acenaphthylene

Concen: 4.395 ng

RT: 9.60 min Scan# 1277

Delta R.T. 0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Instrument :

BNA_F

ClientSampleId :

TP-5

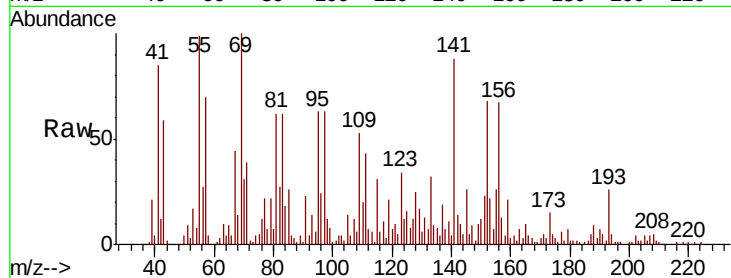
Tot Ion:152 Resp: 78353

Ion Ratio Lower Upper

152 100

151 34.5 16.4 24.6#

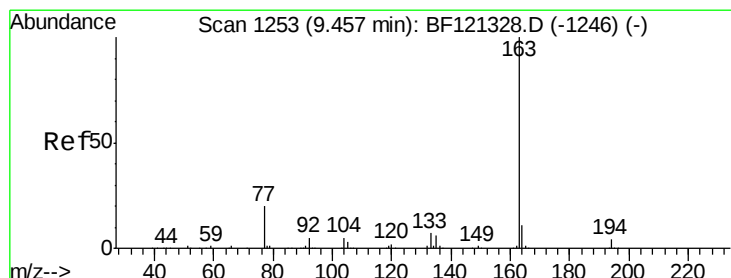
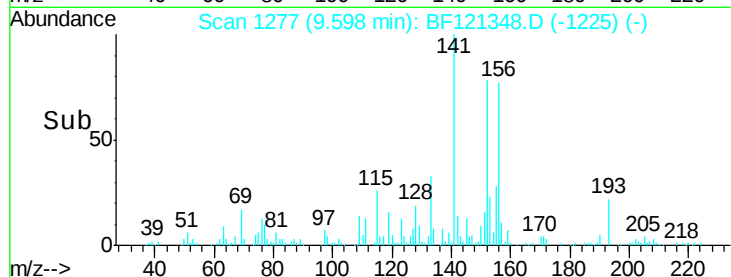
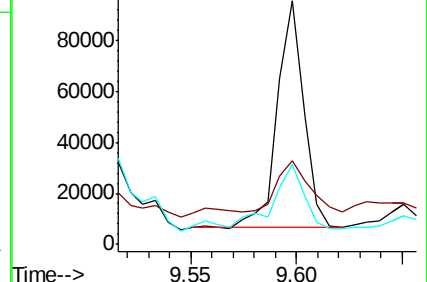
153 32.8 10.6 16.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 5.699 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

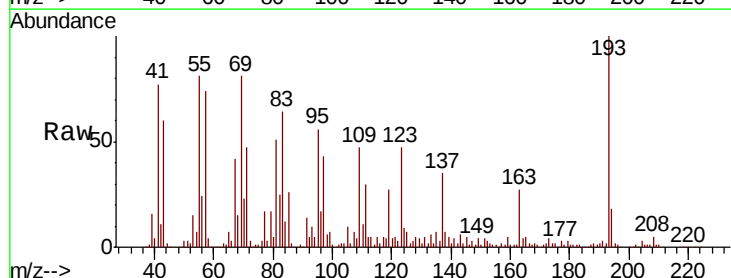
Tgt Ion:163 Resp: 80590

Ion Ratio Lower Upper

163 100

194 64.7 3.0 4.6#

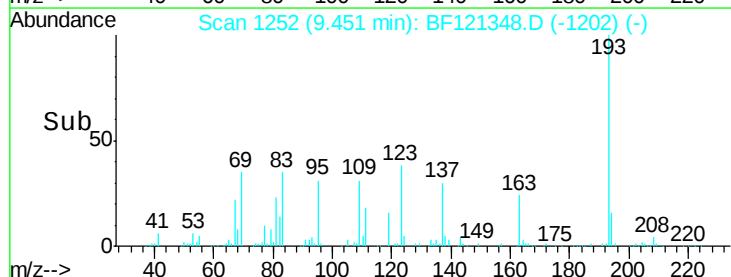
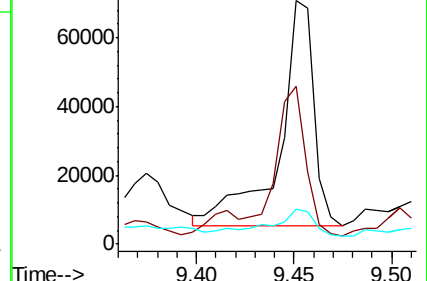
164 14.1 8.4 12.6#

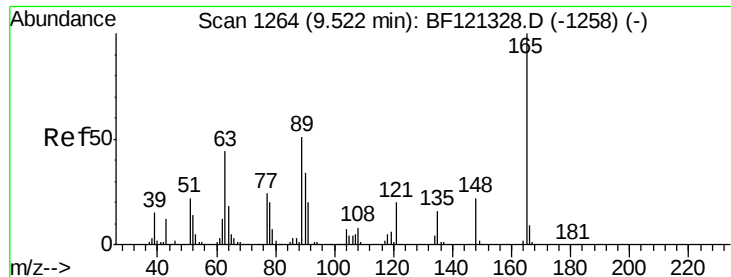


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

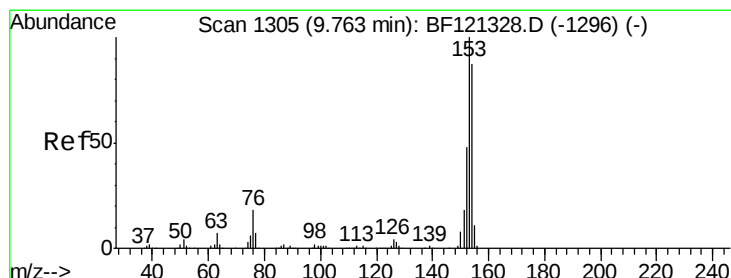
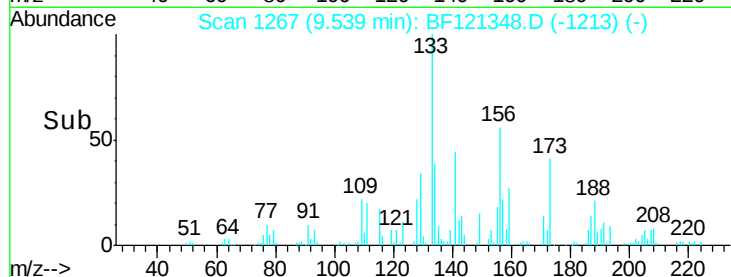
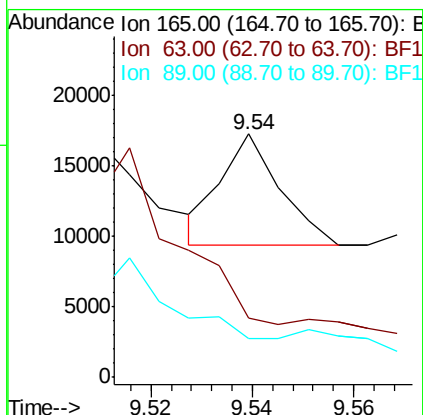
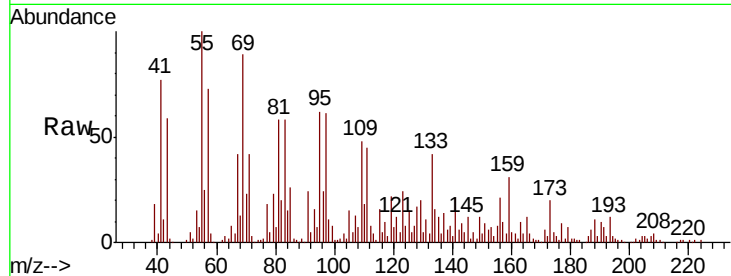




#51
 2,6-Dinitrotoluene
 Concen: 2.121 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. 0.02 min
 Lab File: BF121348.D
 Acq: 20 Aug 2020 15:43

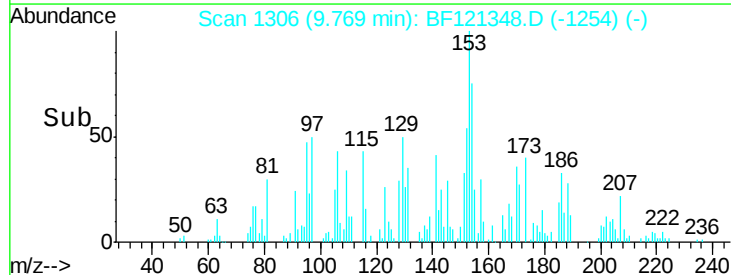
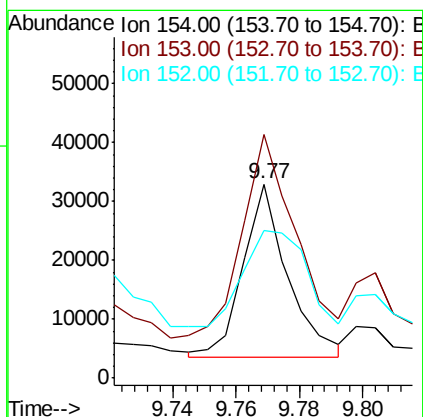
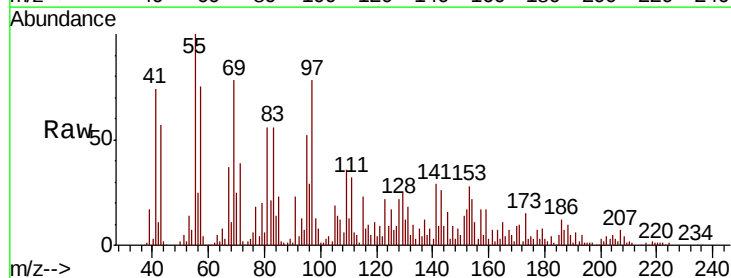
Instrument :
 BNA_F
 ClientSampleId :
 TP-5

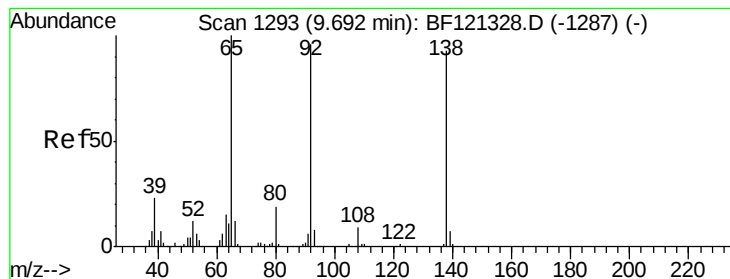
Tot Ion:165 Resp: 6407
 Ion Ratio Lower Upper
 165 100
 63 24.3 38.5 57.7#
 89 16.0 41.2 61.8#



#52
 Acenaphthene
 Concen: 2.666 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.01 min
 Lab File: BF121348.D
 Acq: 20 Aug 2020 15:43

Tgt Ion:154 Resp: 28883
 Ion Ratio Lower Upper
 154 100
 153 125.4 92.0 138.0
 152 76.3 44.6 66.8#





#53

3-Nitroaniline

Concen: 3.239 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Instrument :

BNA_F

ClientSampleId :

TP-5

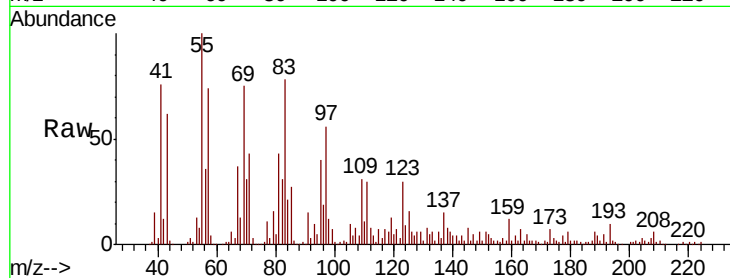
Tot Ion:138 Resp: 12237

Ion Ratio Lower Upper

138 100

108 56.2 7.5 11.3#

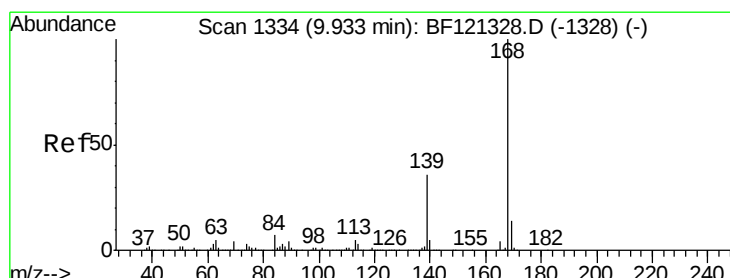
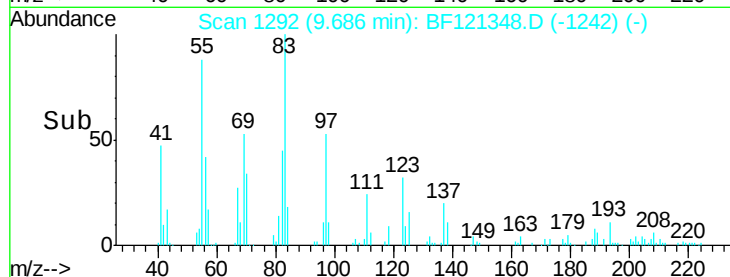
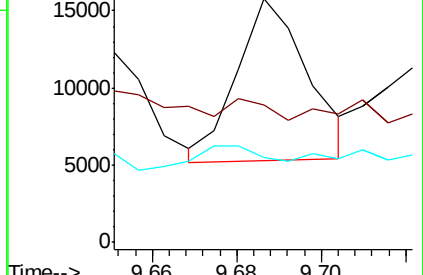
92 34.9 83.0 124.4#



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



#55

Dibenzofuran

Concen: Below Cal

RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

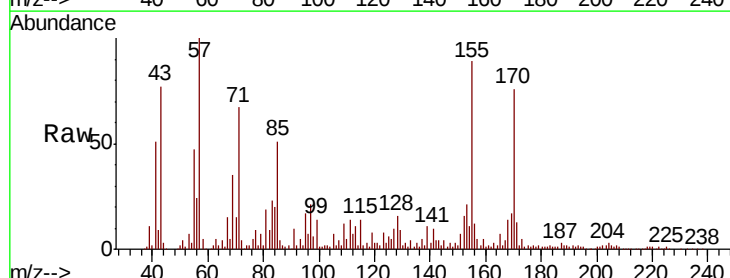
Tgt Ion:168 Resp: 35893

Ion Ratio Lower Upper

168 100

139 79.2 29.1 43.7#

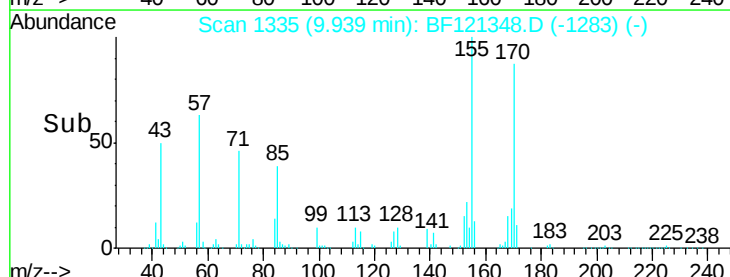
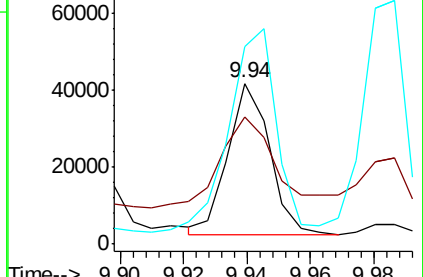
169 123.0 11.0 16.6#

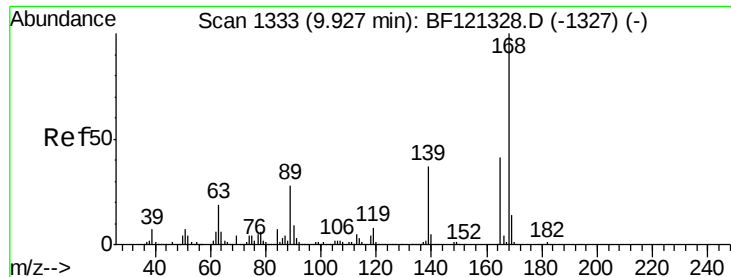


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

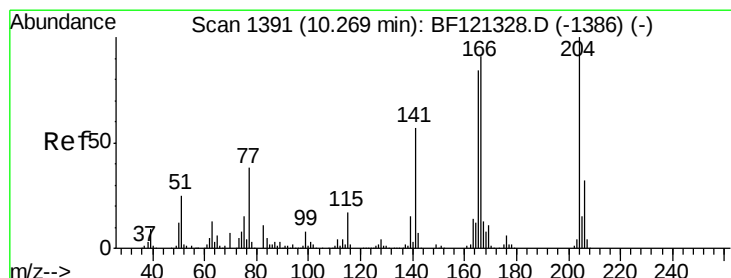
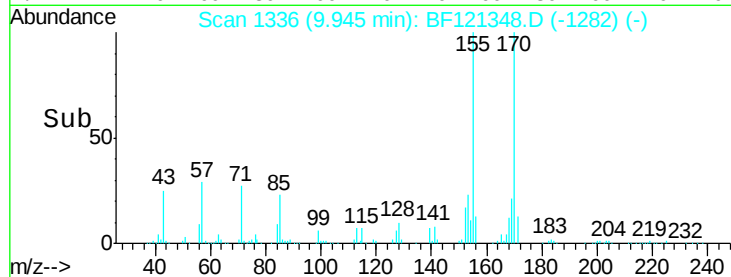
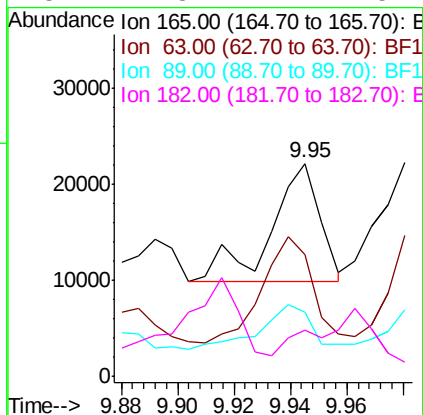
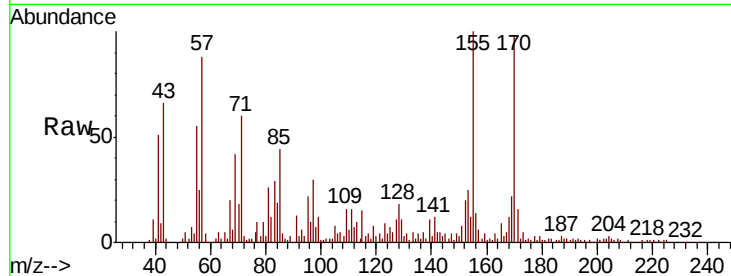




#57
 2,4-Dinitrotoluene
 Concen: 4.075 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. 0.02 min
 Lab File: BF121348.D
 Acq: 20 Aug 2020 15:43

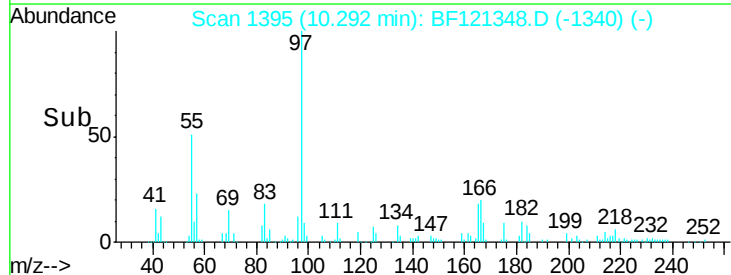
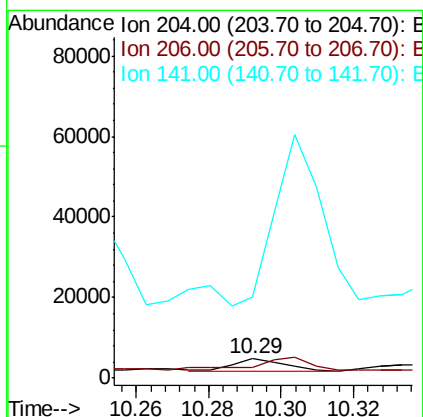
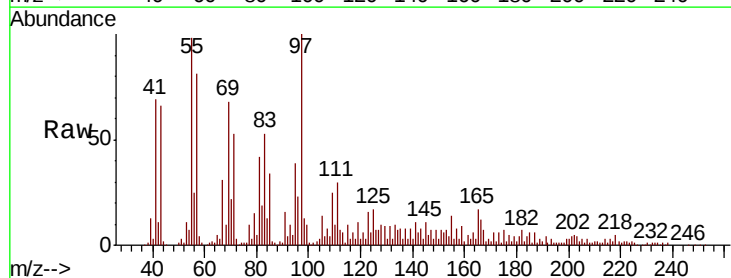
Instrument :
 BNA_F
 ClientSampleId :
 TP-5

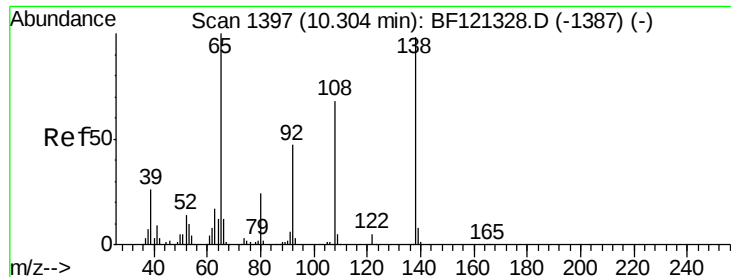
Tot Ion:165 Resp: 15015
 Ion Ratio Lower Upper
 165 100
 63 57.2 37.5 56.3#
 89 30.0 54.2 81.4#
 182 21.8 2.2 3.4#



#61
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.29 min Scan# 1395
 Delta R.T. 0.02 min
 Lab File: BF121348.D
 Acq: 20 Aug 2020 15:43

Tgt Ion:204 Resp: 2792
 Ion Ratio Lower Upper
 204 100
 206 54.9 25.9 38.9#
 141 428.2 45.5 68.3#

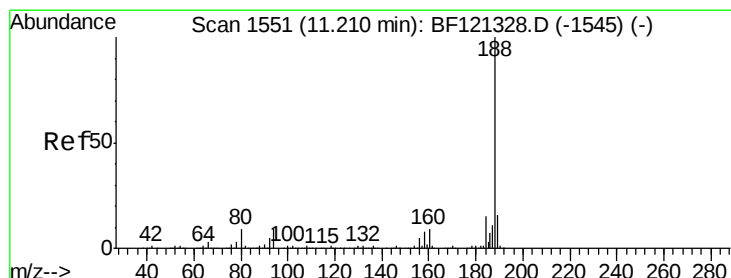
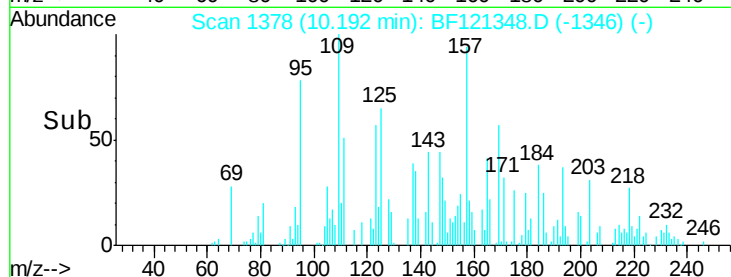
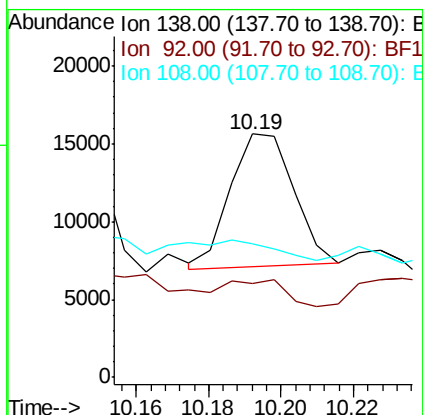
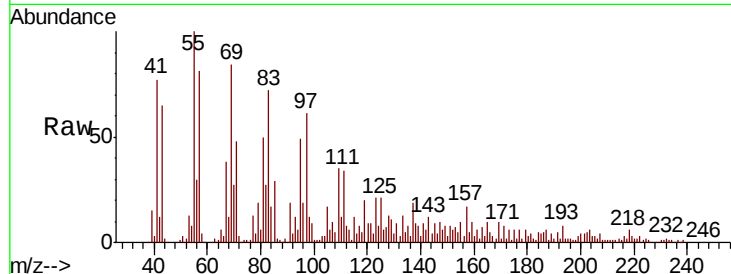




#62
4-Nitroaniline
Concen: 2.682 ng
RT: 10.19 min Scan# 1378
Delta R.T. -0.11 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

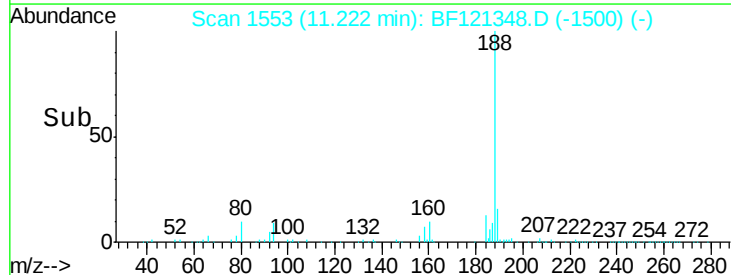
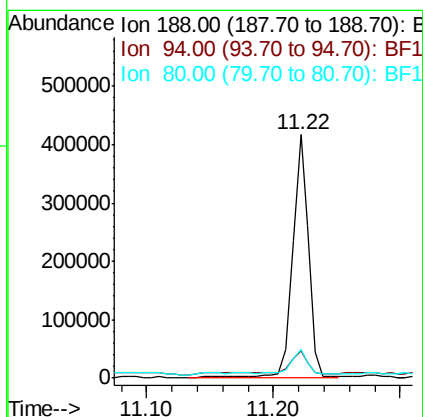
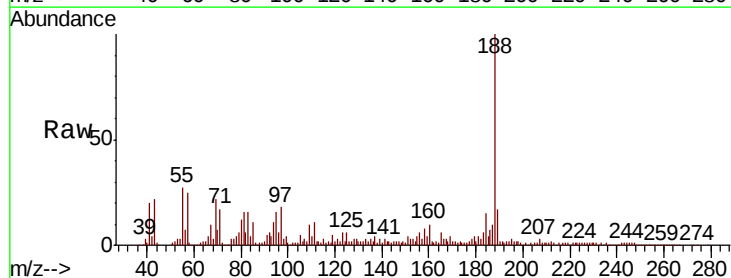
Instrument :
BNA_F
ClientSampleId :
TP-5

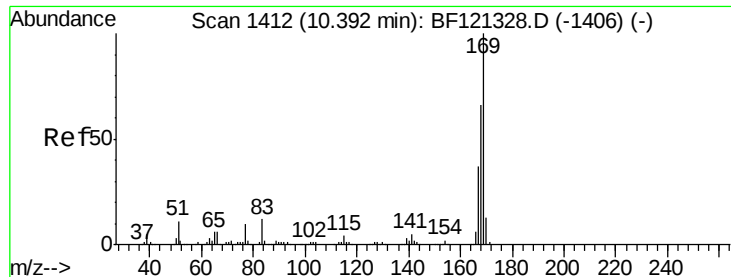
Tot Ion:138 Resp: 10382
Ion Ratio Lower Upper
138 100
92 38.7 28.1 68.1
108 54.7 49.5 89.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.01 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Tgt Ion:188 Resp: 362887
Ion Ratio Lower Upper
188 100
94 11.1 7.2 10.8#
80 11.7 7.4 11.0#

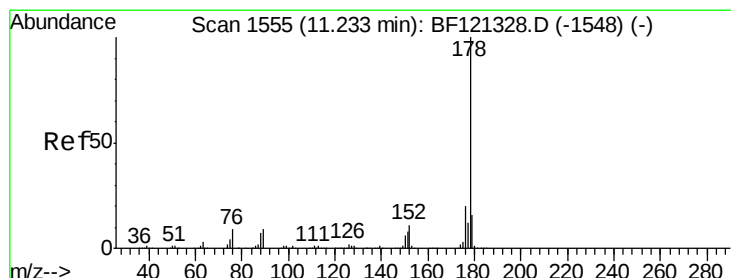
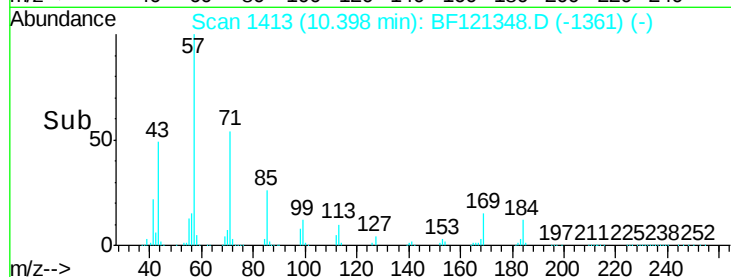
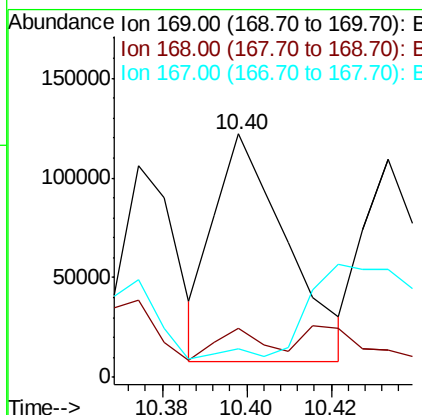
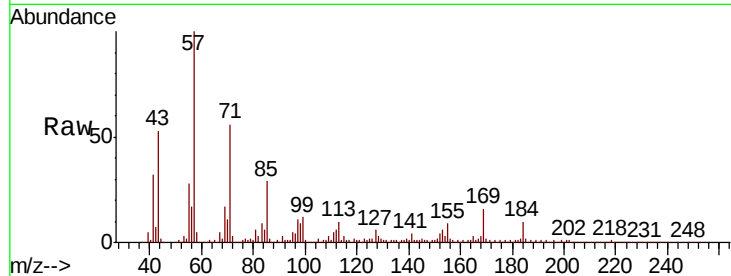




#66
 n-Nitrosodiphenylamine
 Concen: 12.202 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. 0.01 min
 Lab File: BF121348.D
 Acq: 20 Aug 2020 15:43

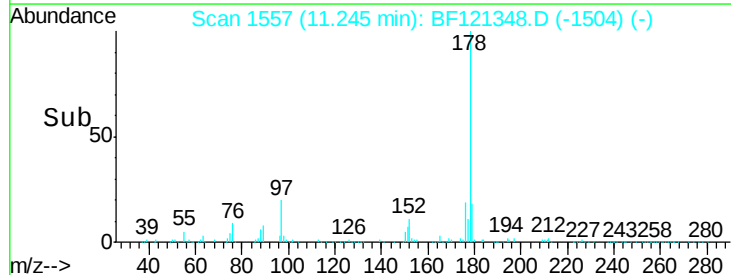
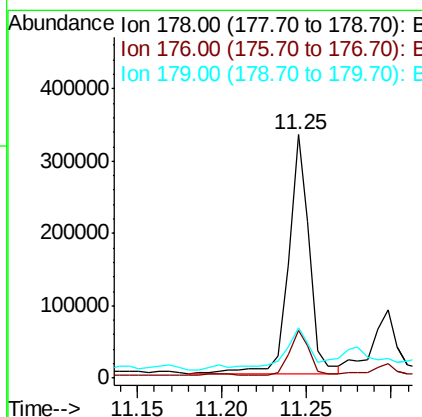
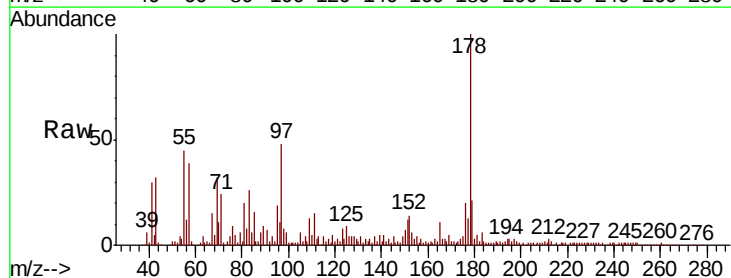
Instrument :
 BNA_F
 ClientSampleId :
 TP-5

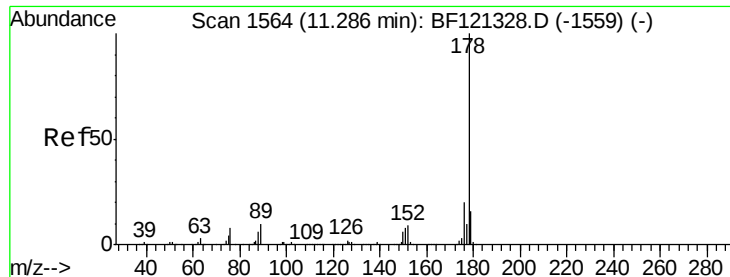
Tot Ion:169 Resp: 136588
 Ion Ratio Lower Upper
 169 100
 168 20.0 53.0 79.6#
 167 11.6 29.5 44.3#



#71
 Phenanthrene
 Concen: 15.032 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. 0.01 min
 Lab File: BF121348.D
 Acq: 20 Aug 2020 15:43

Tgt Ion:178 Resp: 282324
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.0 24.0
 179 20.7 12.8 19.2#





#72

Anthracene

Concen: 3.679 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Instrument :

BNA_F

ClientSampleId :

TP-5

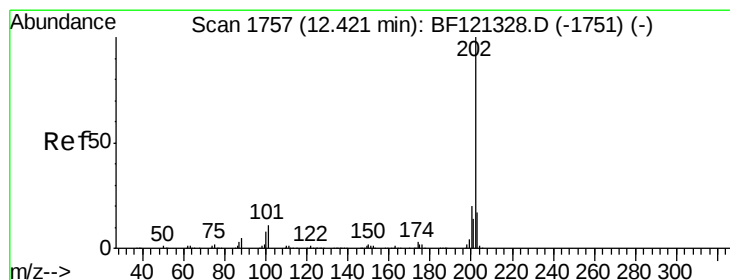
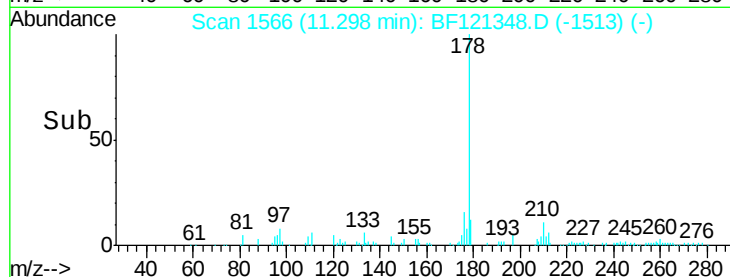
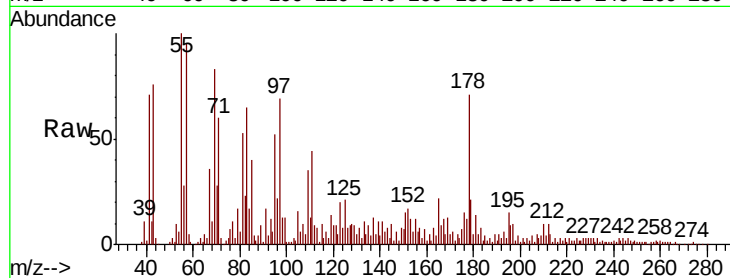
Tot Ion:178 Resp: 66530

Ion Ratio Lower Upper

178 100

176 20.6 15.6 23.4

179 29.3 12.8 19.2#



#75

Fluoranthene

Concen: 15.568 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

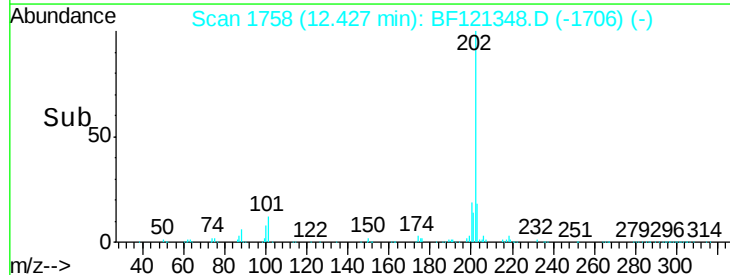
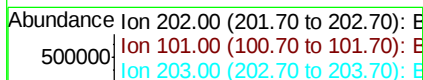
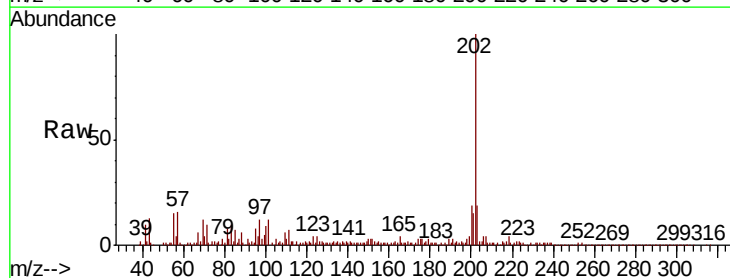
Tgt Ion:202 Resp: 317368

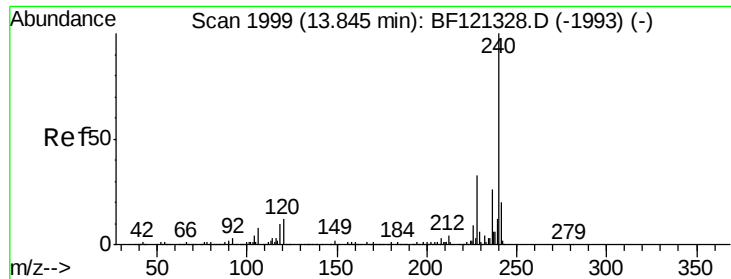
Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.6

203 18.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 2000

Delta R.T. 0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Instrument :

BNA_F

ClientSampleId :

TP-5

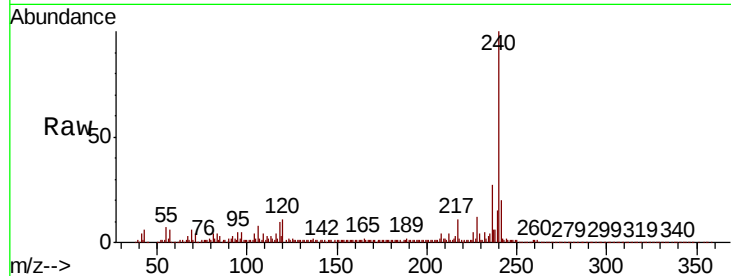
Tot Ion:240 Resp: 344593

Ion Ratio Lower Upper

240 100

120 11.2 9.6 14.4

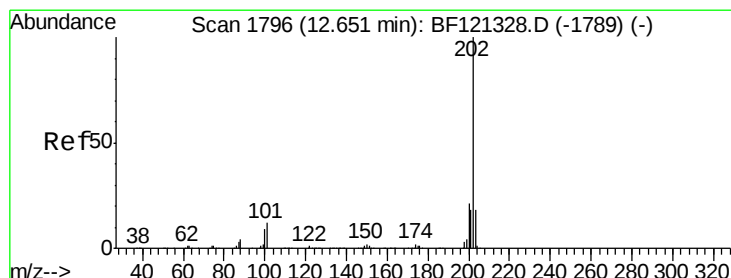
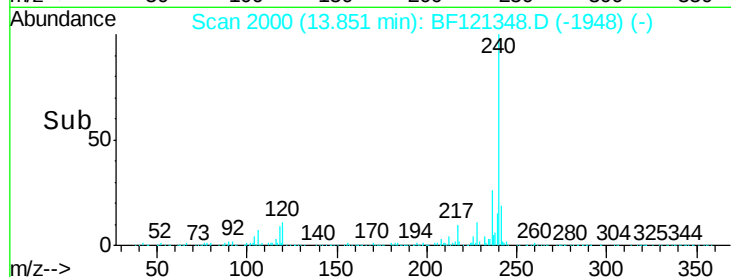
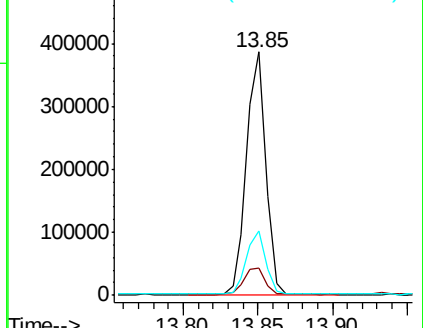
236 26.6 20.6 31.0



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



#78

Pyrene

Concen: 12.452 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

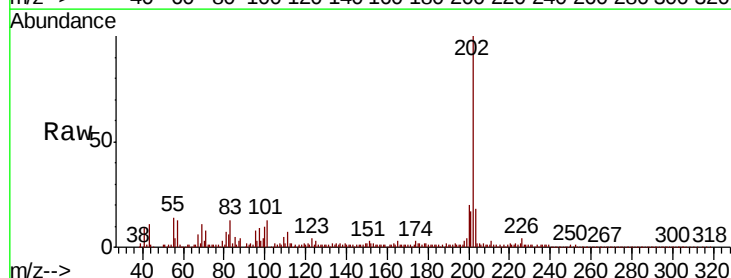
Tgt Ion:202 Resp: 322308

Ion Ratio Lower Upper

202 100

200 20.2 16.6 24.8

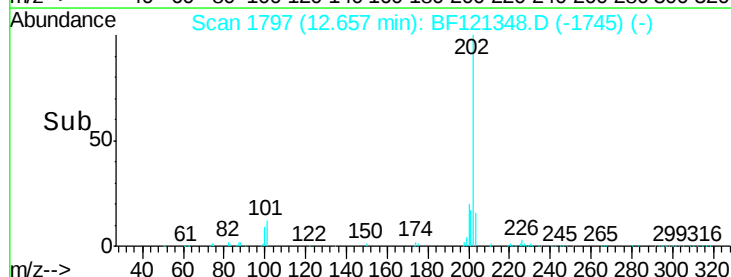
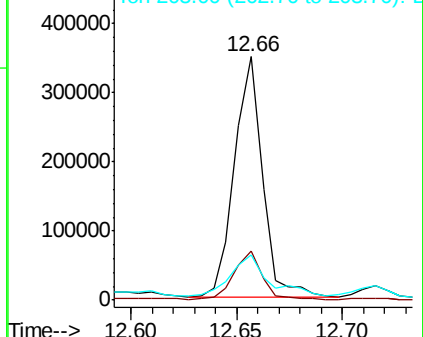
203 18.5 14.2 21.2

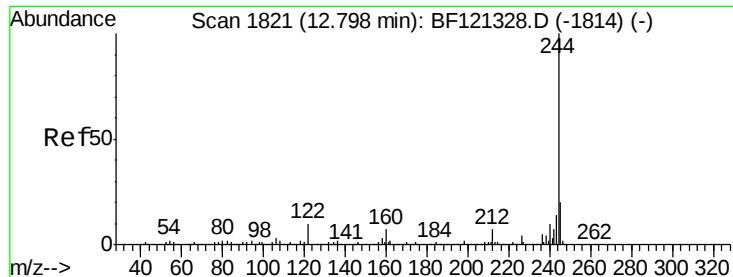


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 39.542 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Instrument :

BNA_F

ClientSampleId :

TP-5

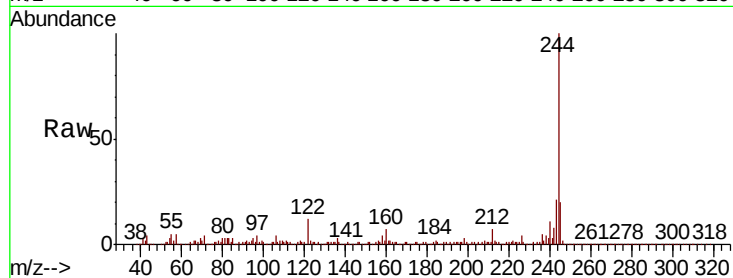
Tot Ion:244 Resp: 697279

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

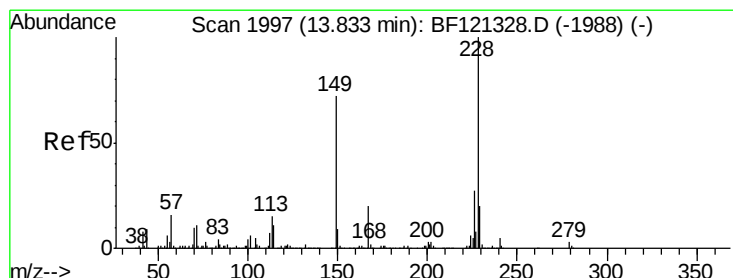
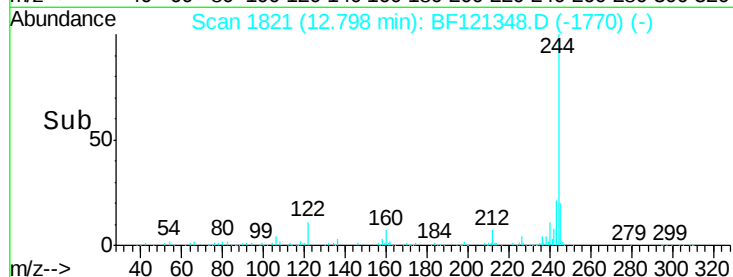
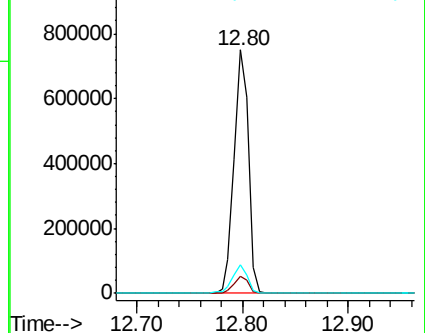
122 11.6 7.8 11.8



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



#81

Benzo(a)anthracene

Concen: 9.221 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

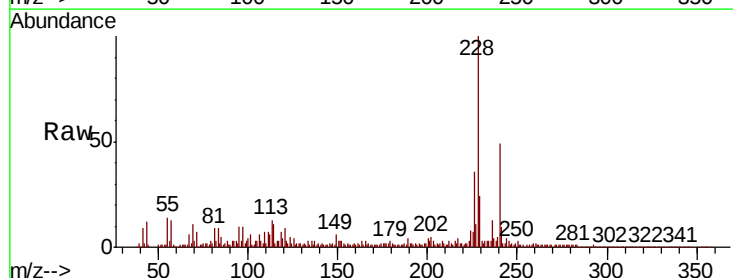
Tgt Ion:228 Resp: 197358

Ion Ratio Lower Upper

228 100

226 35.6 21.8 32.6#

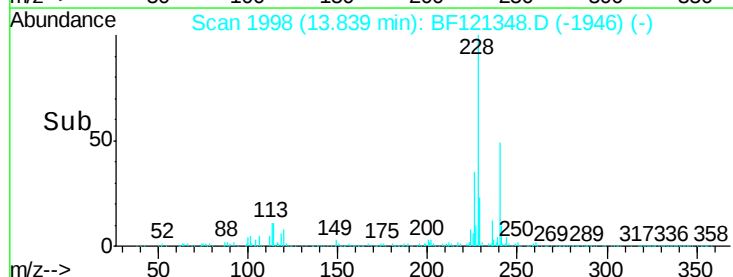
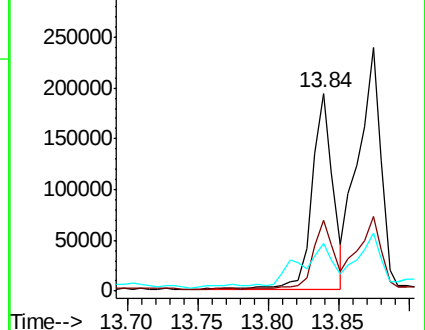
229 23.9 15.8 23.8#

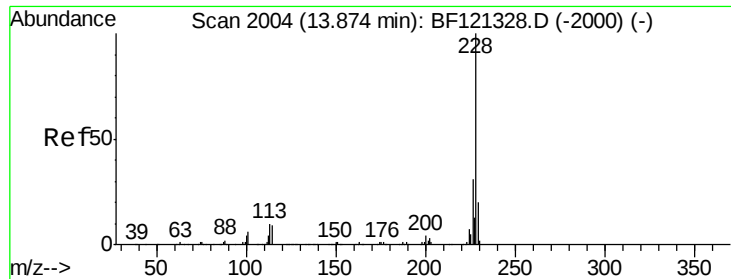


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

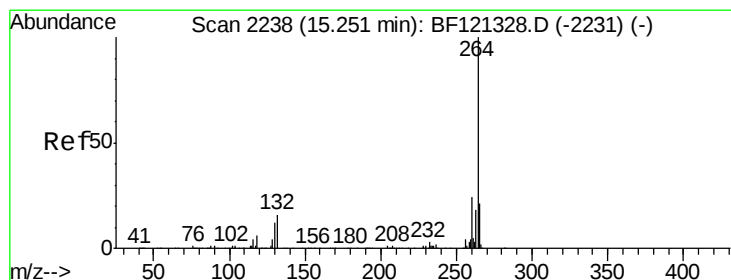
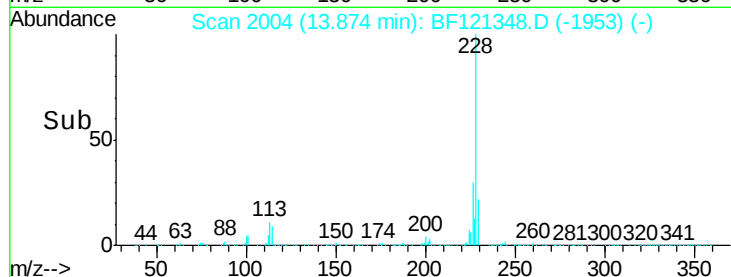
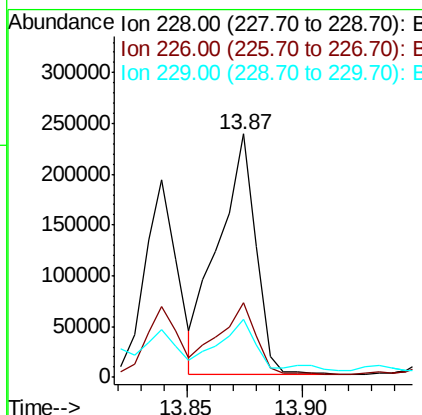
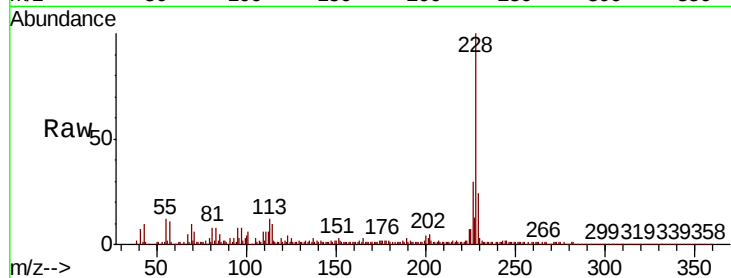




#83
Chrysene
Concen: 12.302 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

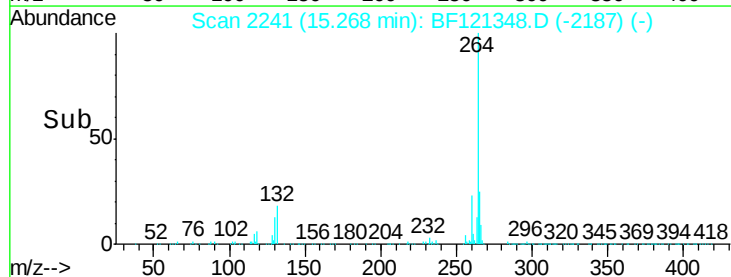
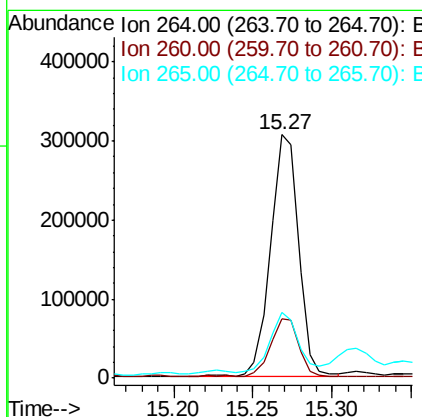
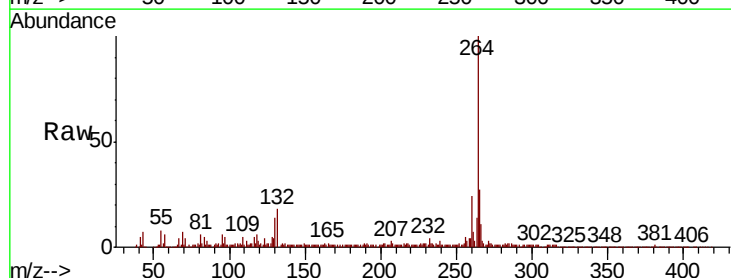
Instrument :
BNA_F
ClientSampleId :
TP-5

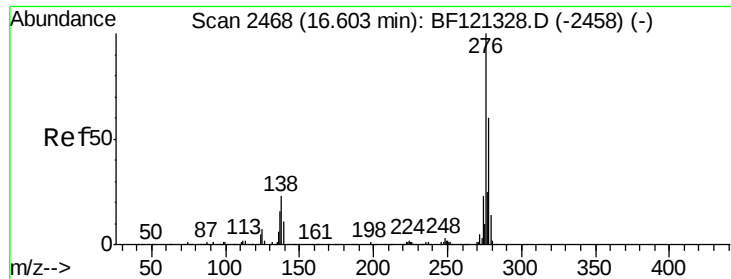
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.6	36.8
229	23.8	15.9	23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	26.9	17.1	25.7

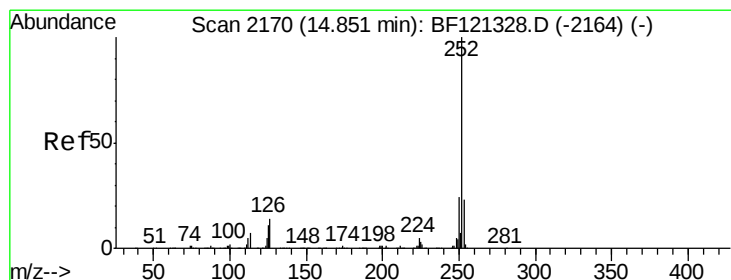
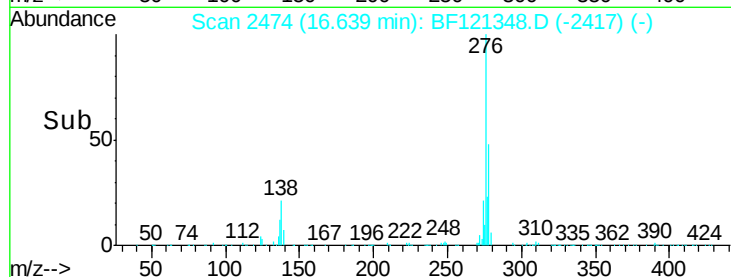
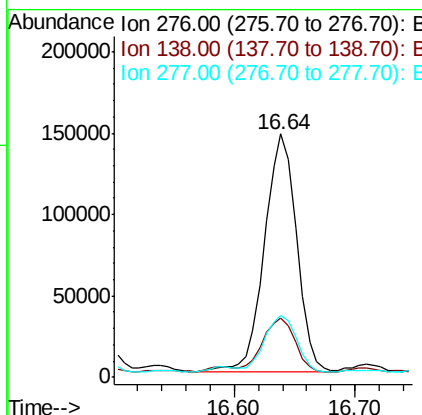
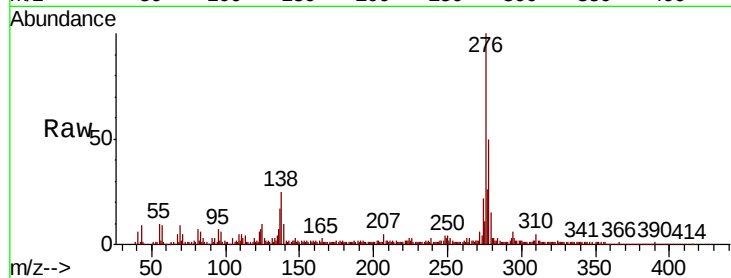




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.548 ng
 RT: 16.64 min Scan# 2474
 Delta R.T. 0.04 min
 Lab File: BF121348.D
 Acq: 20 Aug 2020 15:43

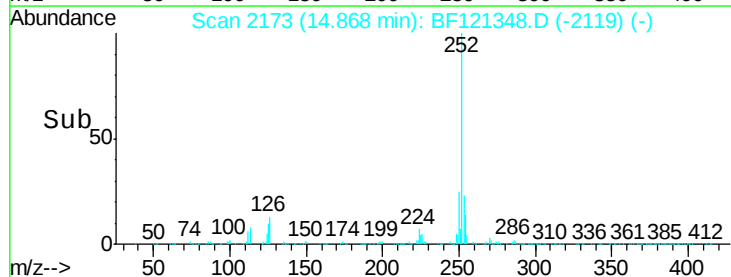
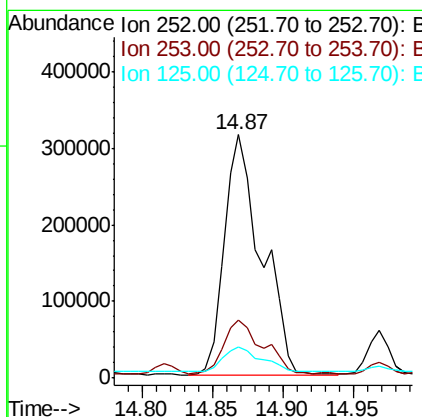
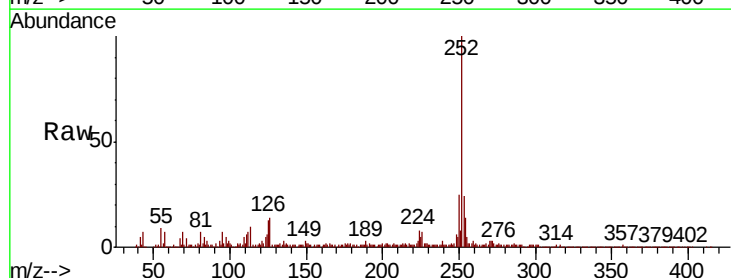
Instrument :
 BNA_F
 ClientSampleId :
 TP-5

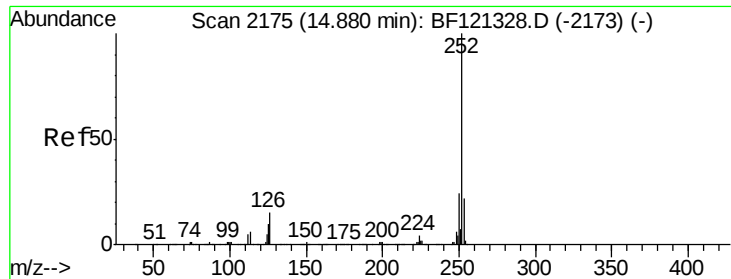
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.3	19.4	29.0
277	24.1	19.9	29.9



#88
 Benzo(b)fluoranthene
 Concen: 23.427 ng
 RT: 14.87 min Scan# 2173
 Delta R.T. 0.02 min
 Lab File: BF121348.D
 Acq: 20 Aug 2020 15:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	12.8	8.6	12.8

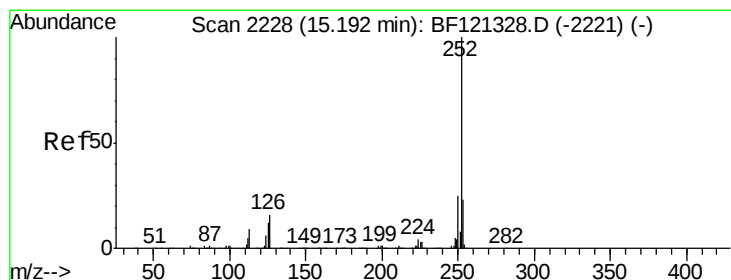
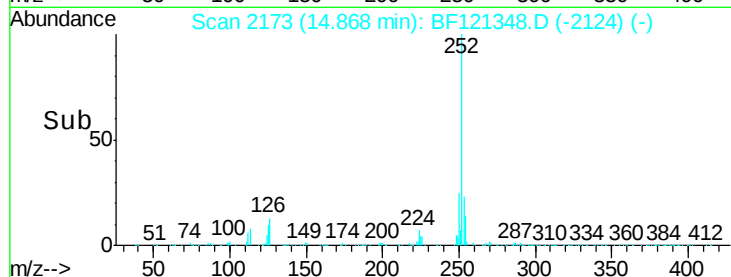
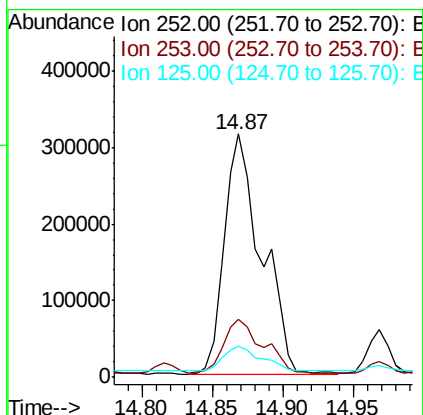
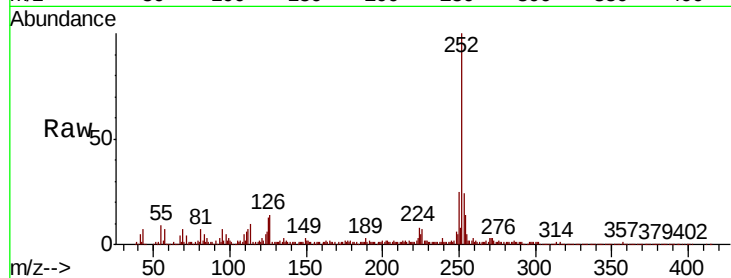




#89
Benzo(k)fluoranthene
Concen: 26.614 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

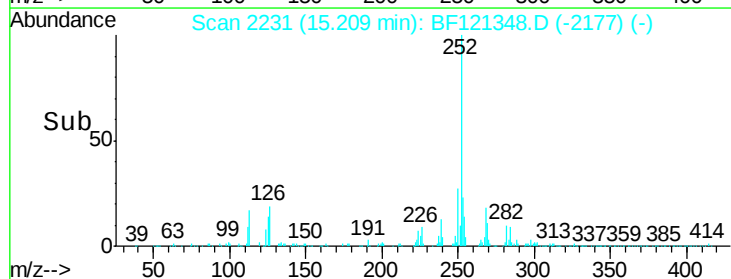
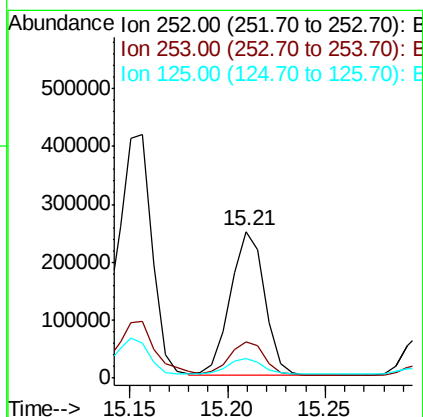
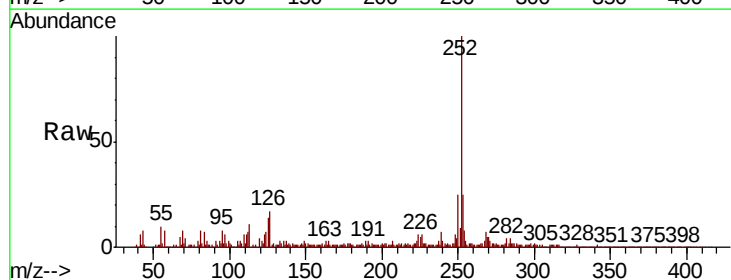
Instrument :
BNA_F
ClientSampleId :
TP-5

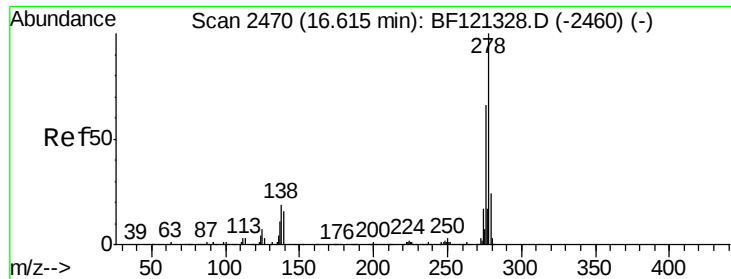
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	12.8	8.6	12.8



#90
Benzo(a)pyrene
Concen: 14.249 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.02 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	13.7	9.4	14.0

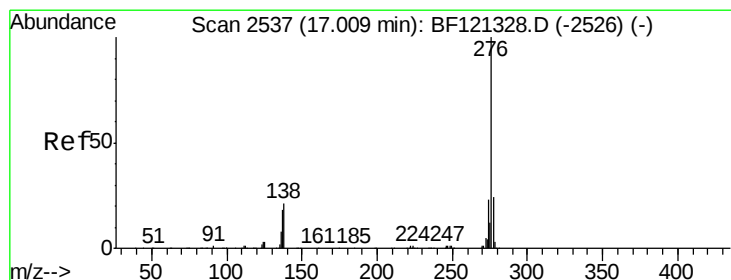
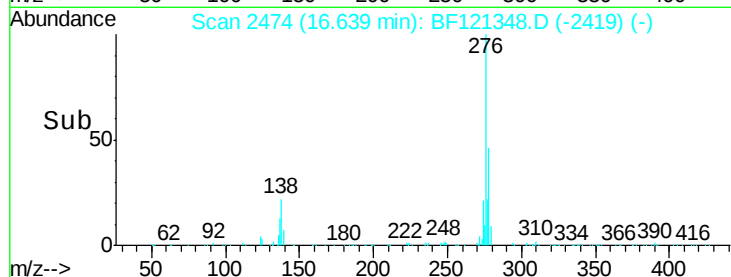
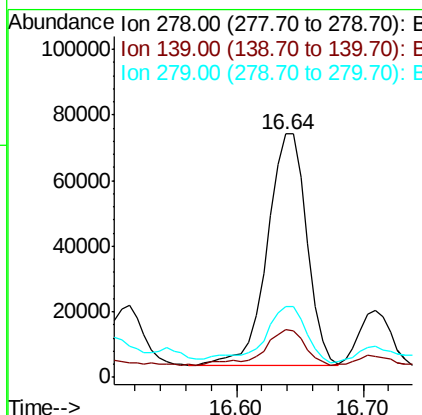
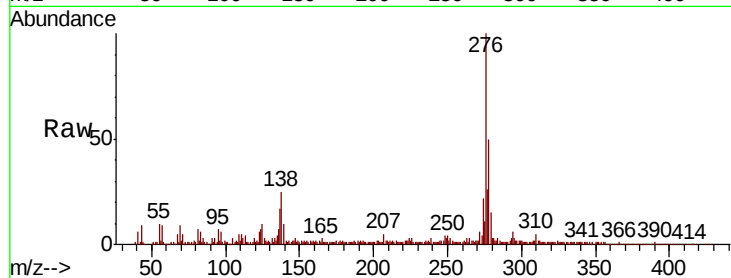




#91
Dibenzo(a,h)anthracene
Concen: 8.078 ng
RT: 16.64 min Scan# 2474
Delta R.T. 0.02 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.9	13.1	19.7#
279	29.2	19.4	29.2#



#92
Benzo(g,h,i)perylene
Concen: 17.850 ng
RT: 17.06 min Scan# 2545
Delta R.T. 0.05 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.3	28.9
138	23.1	16.8	25.2

