

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112718\
 Data File : BF111022.D
 Acq On : 27 Nov 2018 21:00
 Operator : JU/SJ
 Sample : J6003-03REDL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NON-UST-03R-ADL

Quant Time: Nov 28 01:00:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	51529	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	187319	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	78789	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	151333	20.00	ng	0.00
76) Chrysene-d12	14.14	240	124758	20.00	ng	0.00
87) Perylene-d12	15.67	264	78796	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	81242	26.15	ng	0.01
7) Phenol-d6	6.57	99	105911	26.16	ng	0.00
23) Nitrobenzene-d5	7.51	82	51139	15.62	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	18125	23.16	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	101098	18.59	ng	0.00
79) Terphenyl-d14	13.06	244	115410	18.01	ng	0.00

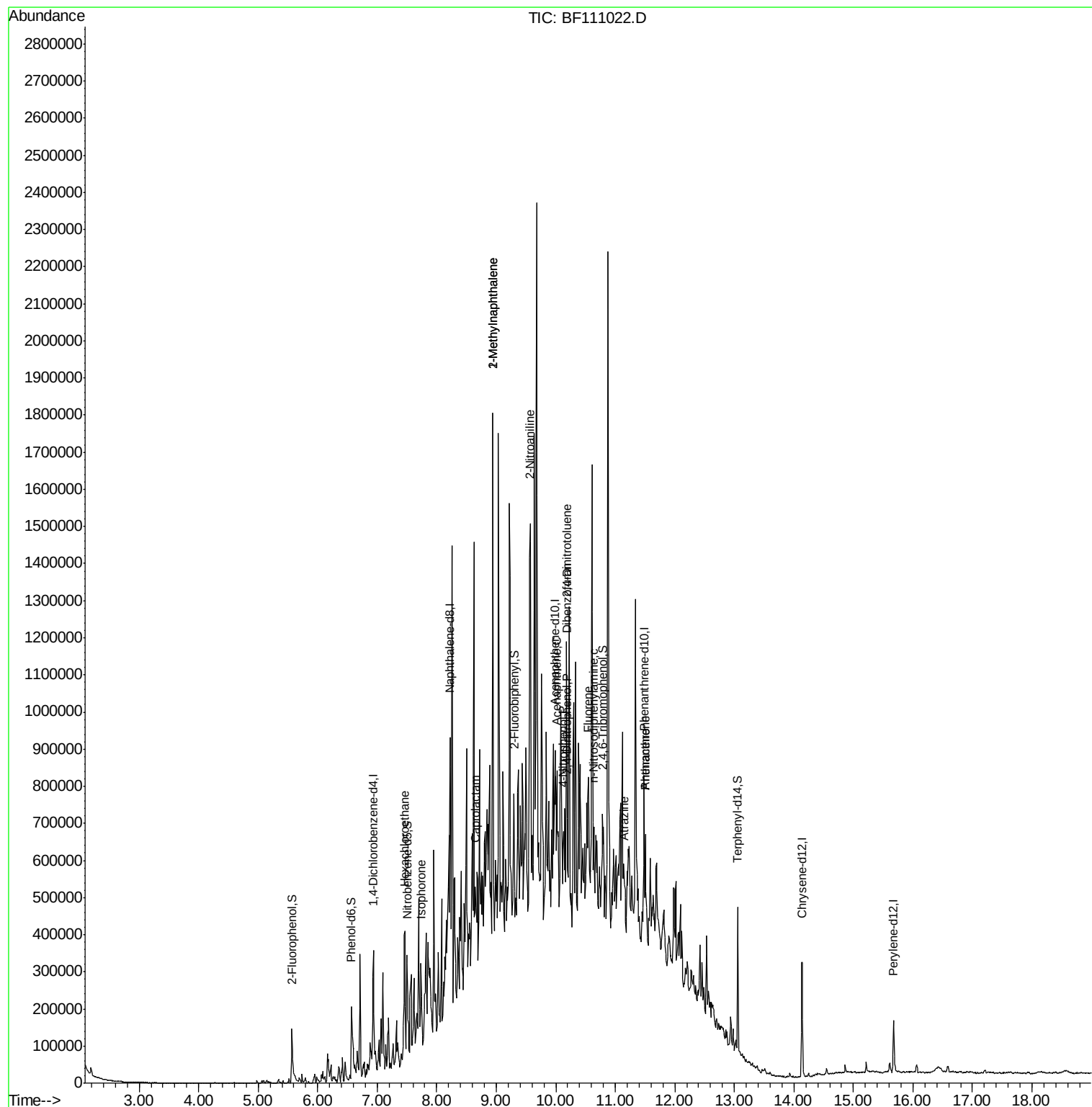
Target Compounds				Qvalue		
9) Benzaldehyde	6.46	77	222	Below Cal	#	1
18) Hexachloroethane	7.46	117	14260	9.318 ng	#	1
25) Isophorone	7.73	82	10947	2.039 ng	#	1
35) Caprolactam	8.66	113	3761	4.216 ng	#	1
37) 2-Methylnaphthalene	8.94	142	383474	66.119 ng		100
38) 1-Methylnaphthalene	8.94	142	383474	67.976 ng		96
48) 2-Nitroaniline	9.57	65	6638	4.029 ng	#	39
52) Acenaphthene	10.02	154	17611	3.668 ng	#	52
54) 2,4-Dinitrophenol	10.20	184	474	4.712 ng	#	1
55) Dibenzofuran	10.19	168	21675	3.095 ng	#	64
56) 4-Nitrophenol	10.13	139	2705	7.311 ng	#	40
57) 2,4-Dinitrotoluene	10.18	165	7388	4.427 ng	#	52
58) Fluorene	10.54	166	35226	6.464 ng	#	70
66) n-Nitrosodiphenylamine	10.64	169	45331	8.998 ng	#	43
69) Atrazine	11.16	200	1226	2.327 ng	#	58
71) Phenanthrene	11.50	178	106517	13.290 ng		96
72) Anthracene	11.50	178	106163	13.006 ng		96

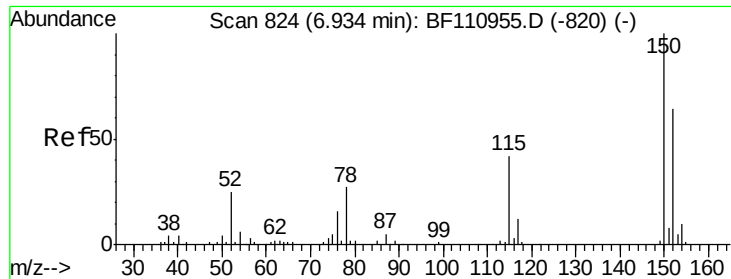
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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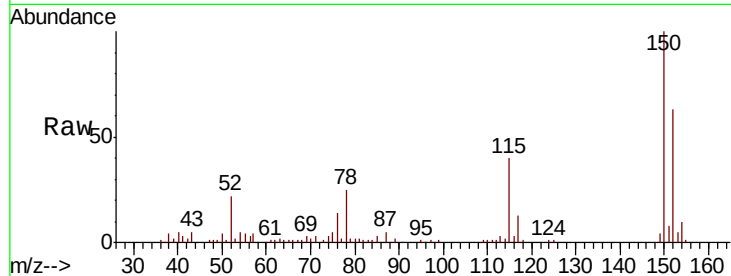




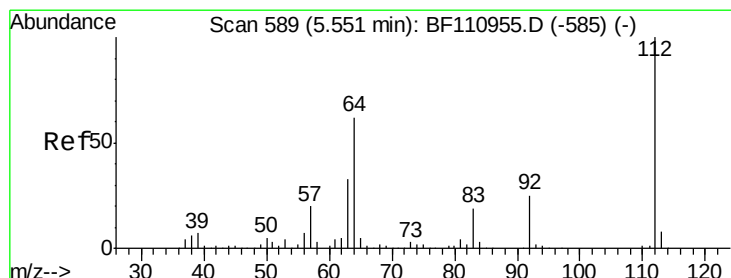
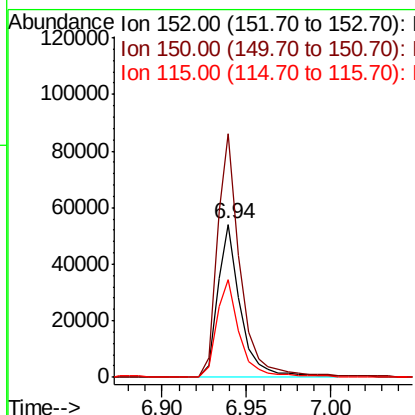
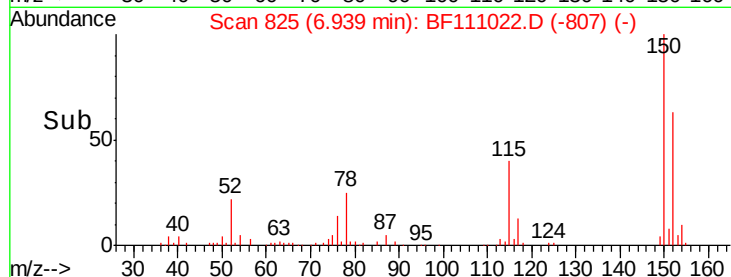
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BF111022.D
 Acq: 27 Nov 2018 21:00

Instrument :
 BNA_F
 ClientSampleId :
 NON-UST-03R-ADL

Tgt Ion:152 Resp: 51529
 Ion Ratio Lower Upper
 152 100
 150 158.9 122.7 184.1
 115 63.3 49.1 73.7

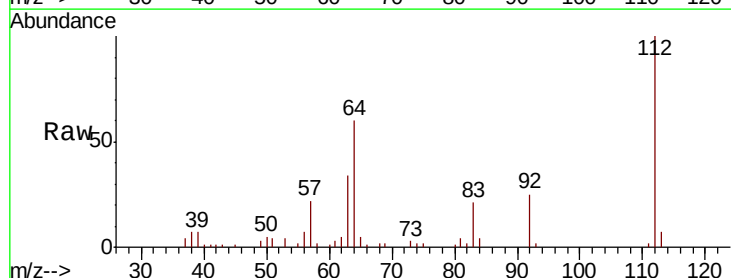


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

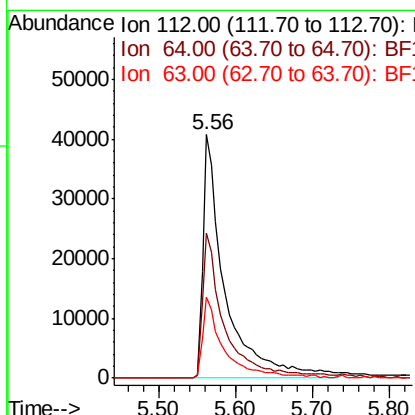
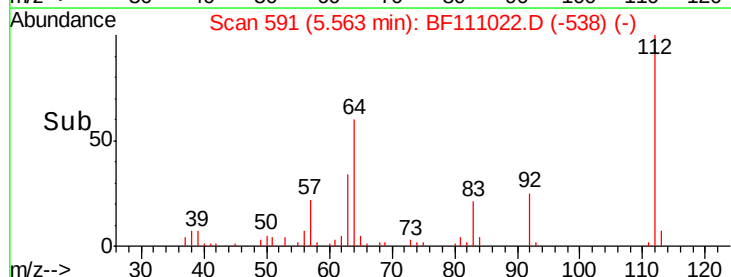


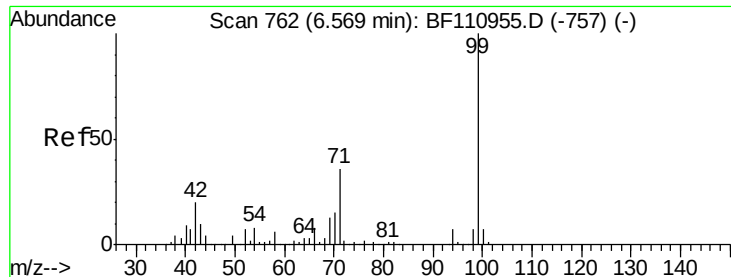
#5
 2-Fluorophenol
 Concen: 26.145 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.01 min
 Lab File: BF111022.D
 Acq: 27 Nov 2018 21:00

Tgt Ion:112 Resp: 81242
 Ion Ratio Lower Upper
 112 100
 64 59.6 44.1 66.1
 63 33.5 23.7 35.5



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: 26.155 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-ADL

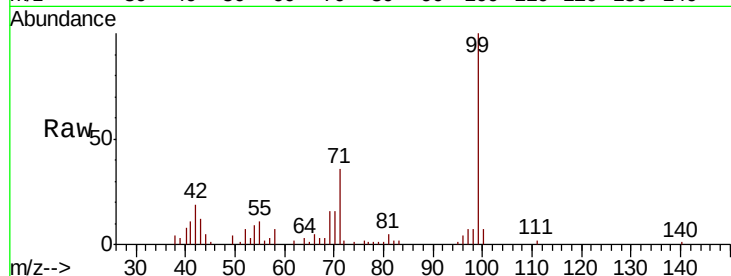
Tgt Ion: 99 Resp: 105911

Ion Ratio Lower Upper

99 100

42 19.5 15.8 23.6

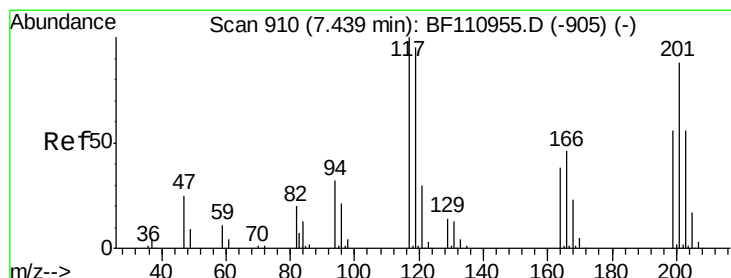
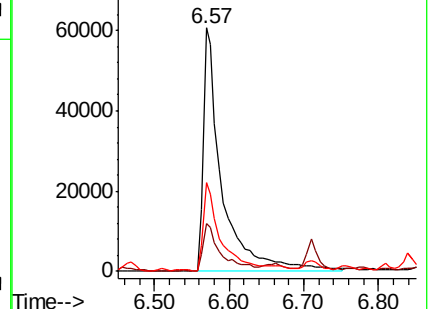
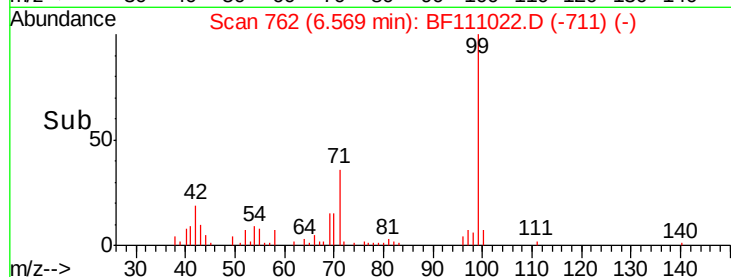
71 36.2 28.0 42.0



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



#18

Hexachloroethane

Concen: 9.318 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.02 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

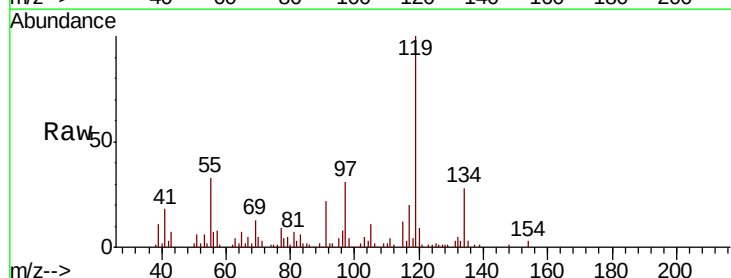
Tgt Ion: 117 Resp: 14260

Ion Ratio Lower Upper

117 100

119 492.2 75.0 112.6#

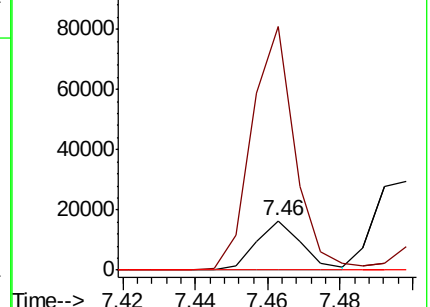
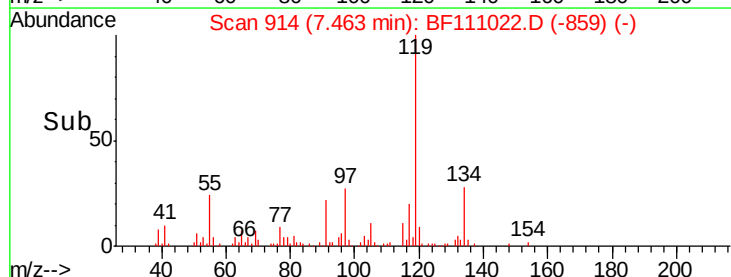
201 0.0 79.2 118.8#

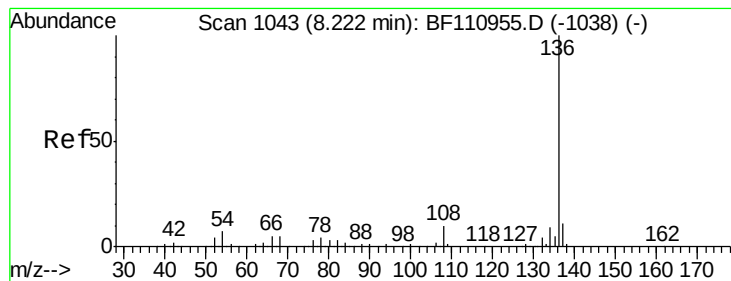


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-ADL

Tgt Ion: 136 Resp: 187319

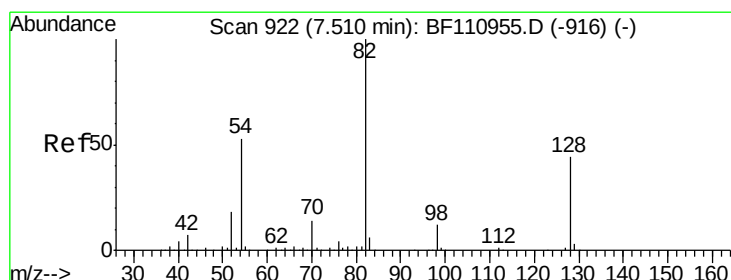
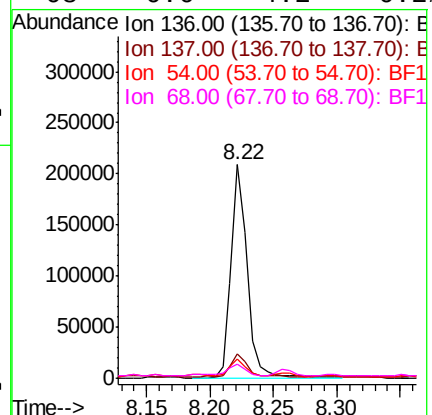
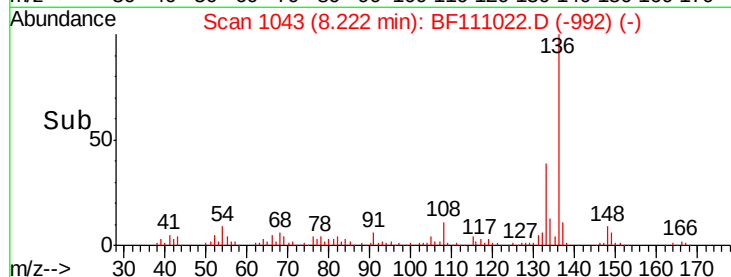
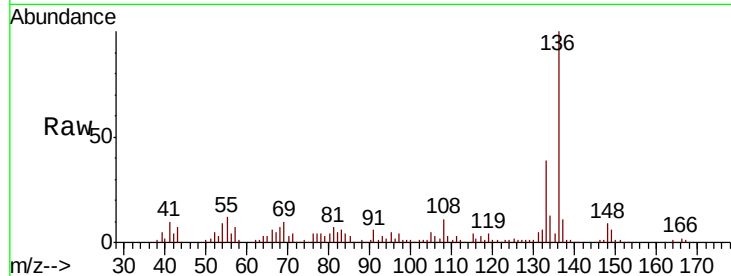
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 9.2 5.4 8.2#

68 6.6 4.2 6.2#



#23

Nitrobenzene-d5

Concen: 15.624 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

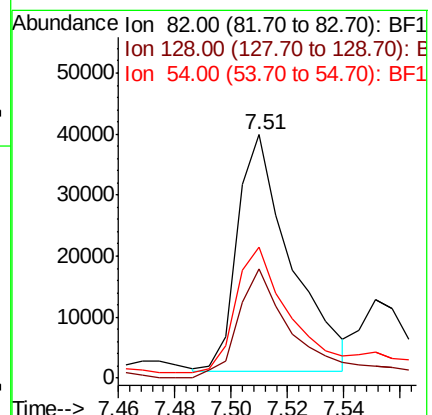
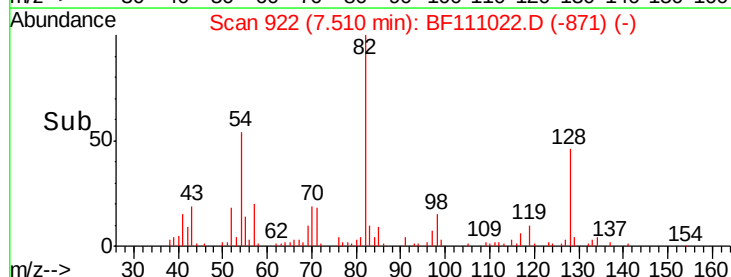
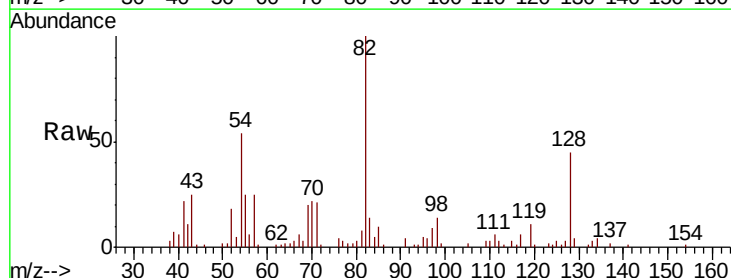
Tgt Ion: 82 Resp: 51139

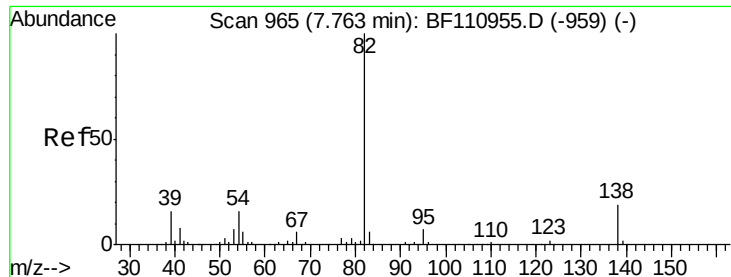
Ion Ratio Lower Upper

82 100

128 45.1 34.2 51.2

54 53.6 38.6 58.0





#25

Isophorone

Concen: 2.039 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.03 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-ADL

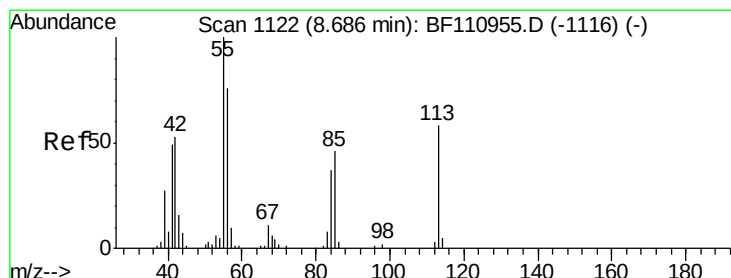
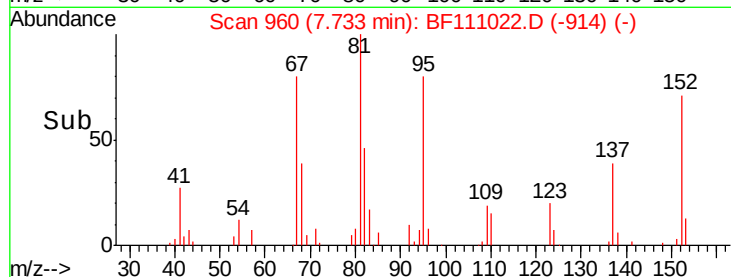
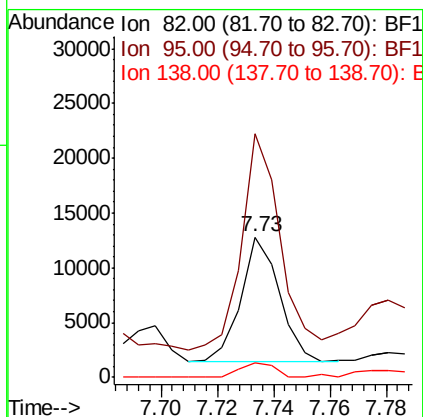
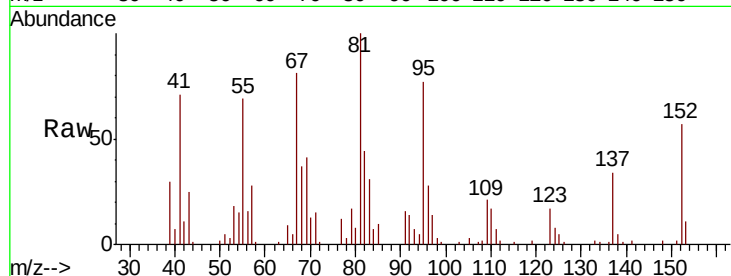
Tgt Ion: 82 Resp: 10947

Ion Ratio Lower Upper

82 100

95 173.4 5.7 8.5#

138 10.2 13.2 19.8#



#35

Caprolactam

Concen: 4.216 ng

RT: 8.66 min Scan# 1117

Delta R.T. -0.03 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

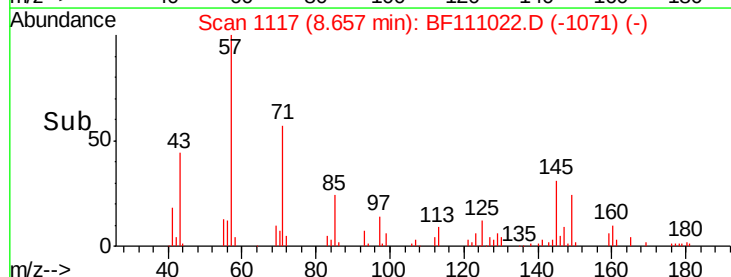
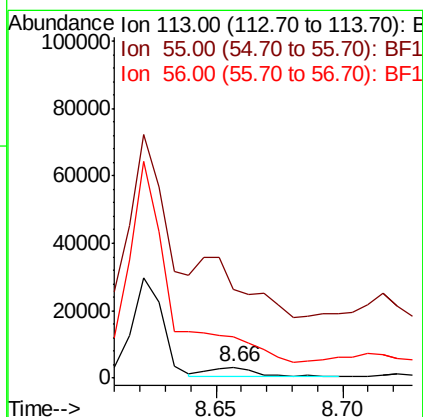
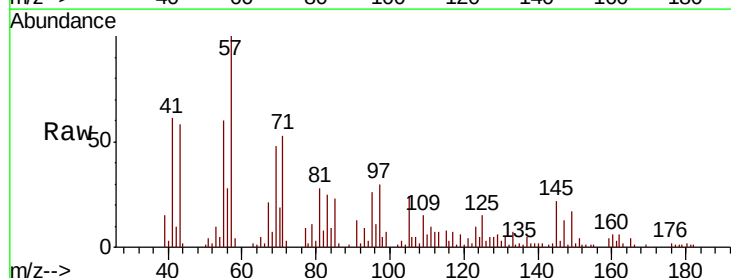
Tgt Ion: 113 Resp: 3761

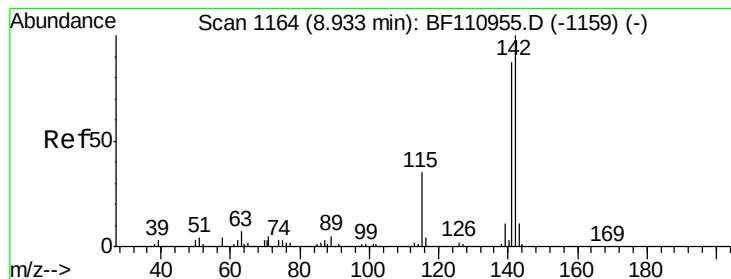
Ion Ratio Lower Upper

113 100

55 834.7 142.8 182.8#

56 385.9 105.0 145.0#





#37

2-Methylnaphthalene

Concen: 66.119 ng

RT: 8.94 min Scan# 1165

Delta R.T. 0.01 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-ADL

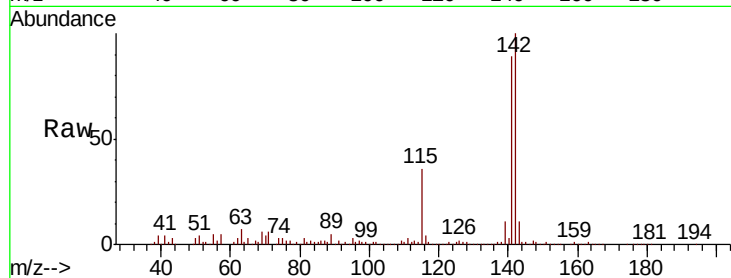
Tgt Ion:142 Resp: 383474

Ion Ratio Lower Upper

142 100

141 88.7 71.4 107.2

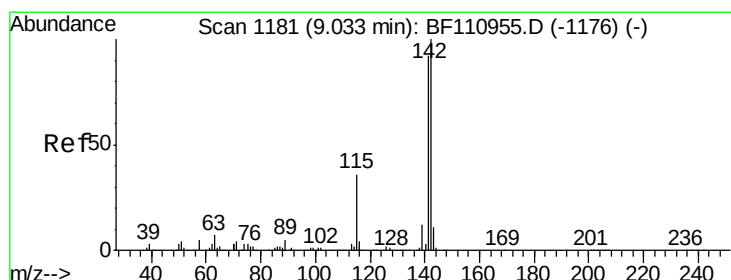
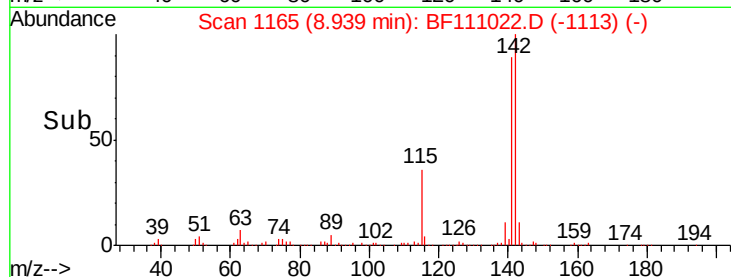
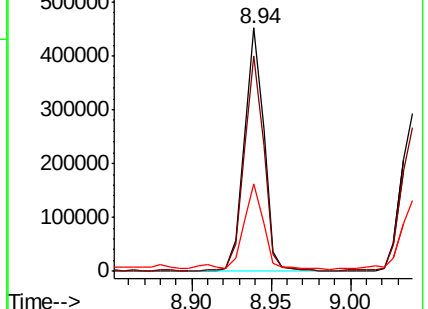
115 35.9 28.7 43.1



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: 67.976 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.09 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

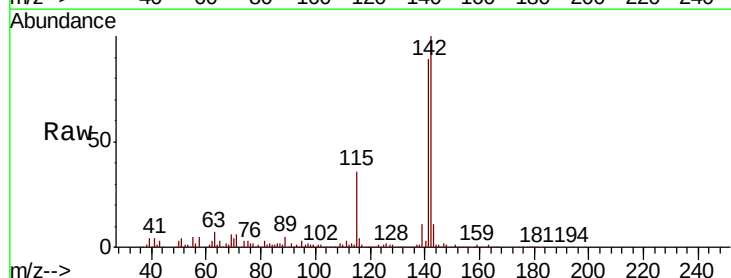
Tgt Ion:142 Resp: 383474

Ion Ratio Lower Upper

142 100

141 88.7 74.2 111.4

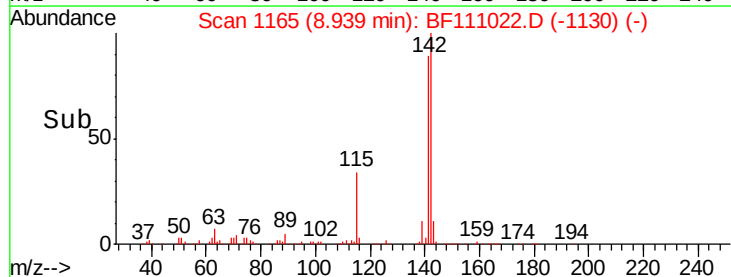
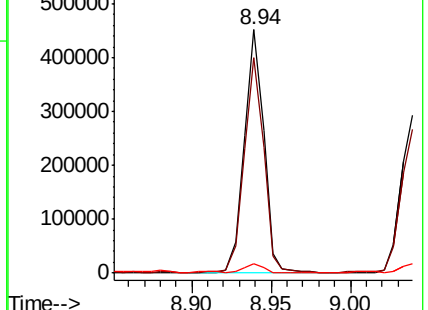
116 3.9 2.6 4.0

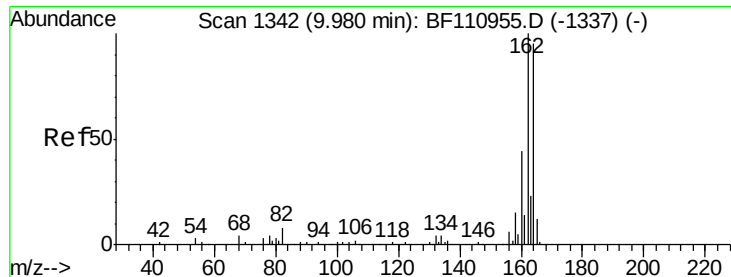


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

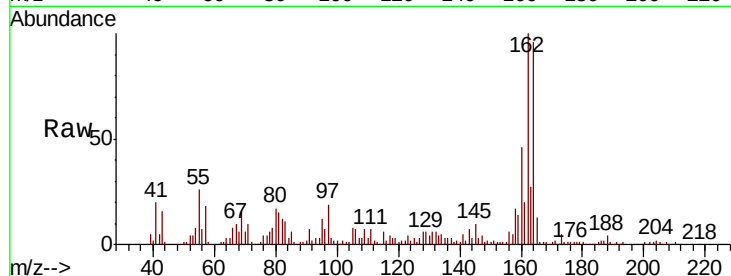




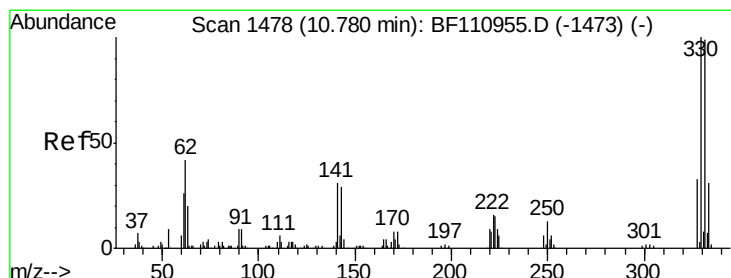
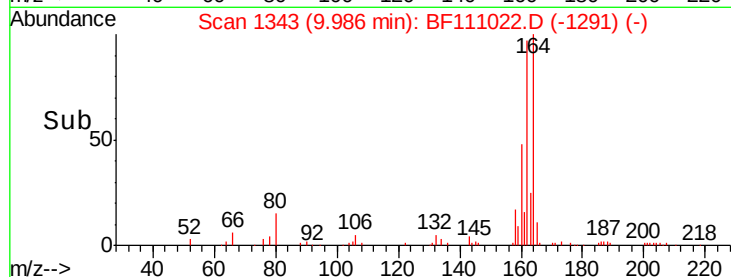
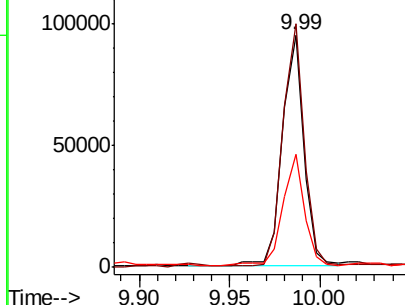
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.01 min
 Lab File: BF111022.D
 Acq: 27 Nov 2018 21:00

Instrument :
 BNA_F
 ClientSampleId :
 NON-UST-03R-ADL

Tgt Ion:164 Resp: 78789
 Ion Ratio Lower Upper
 164 100
 162 104.6 83.0 124.6
 160 48.3 37.0 55.6

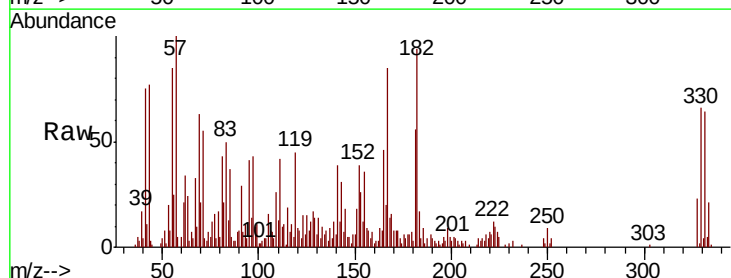


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

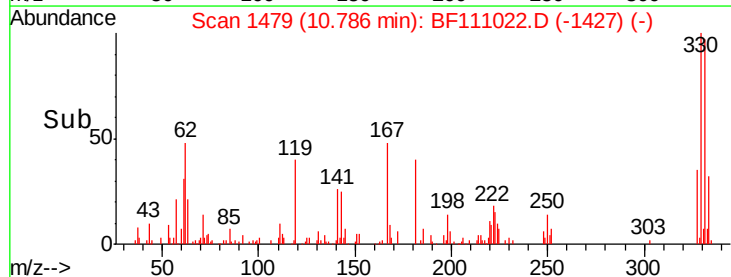
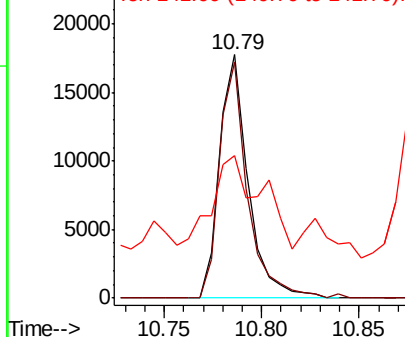


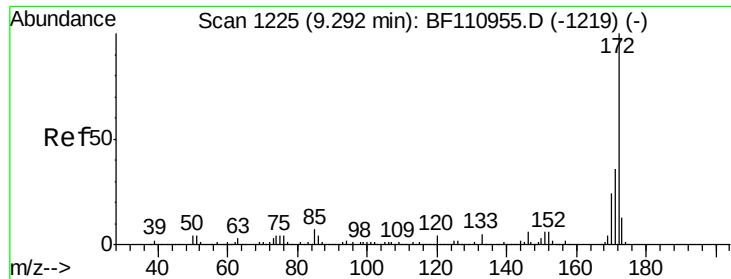
#42
 2,4,6-Tribromophenol
 Concen: 23.163 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. 0.01 min
 Lab File: BF111022.D
 Acq: 27 Nov 2018 21:00

Tgt Ion:330 Resp: 18125
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.1 115.7
 141 64.7 27.0 40.4#



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

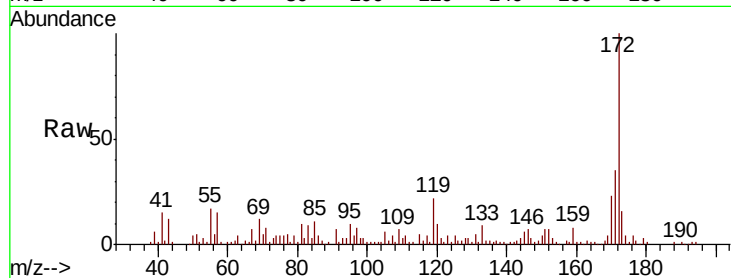




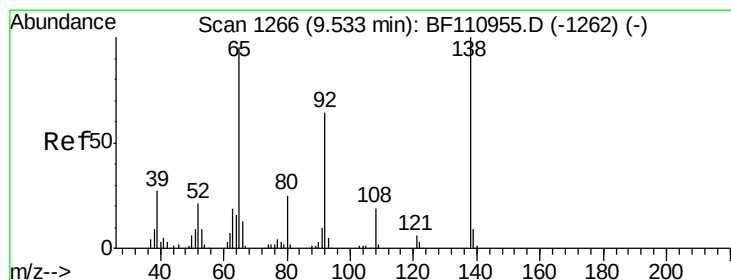
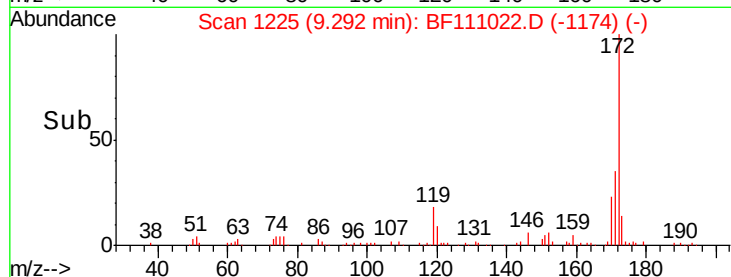
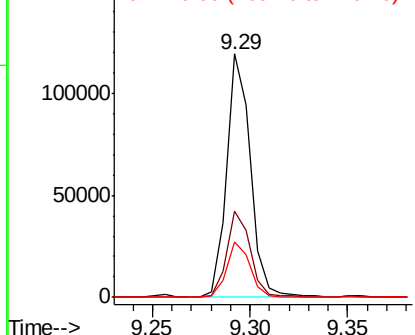
#45
2-Fluorobiphenyl
Concen: 18.590 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.00 min
Lab File: BF111022.D
Acq: 27 Nov 2018 21:00

Instrument :
BNA_F
ClientSampleId :
NON-UST-03R-ADL

Tgt Ion: 172 Resp: 101098
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.0 19.7 29.5

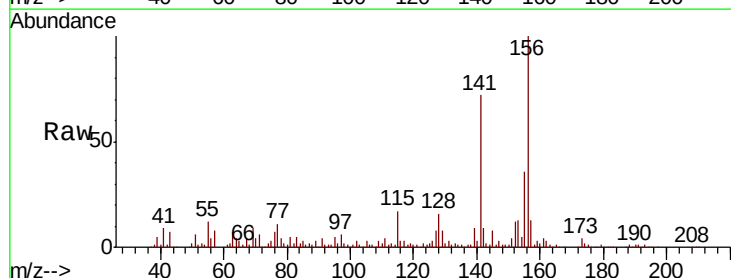


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

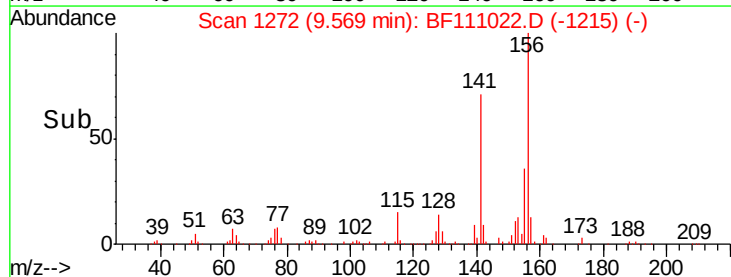
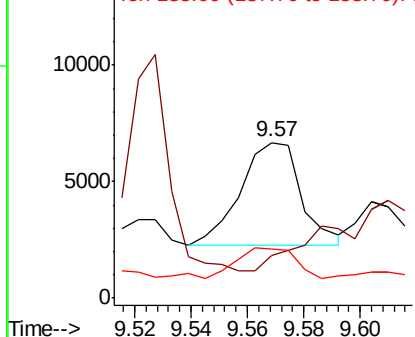


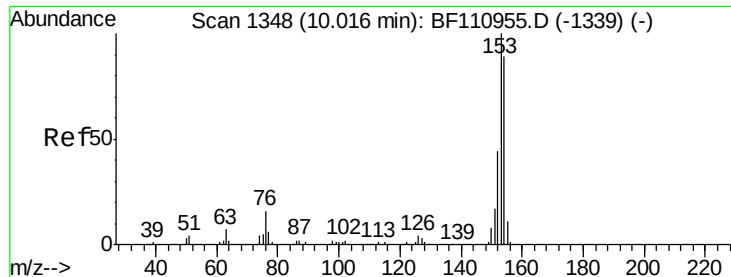
#48
2-Nitroaniline
Concen: 4.029 ng
RT: 9.57 min Scan# 1272
Delta R.T. 0.04 min
Lab File: BF111022.D
Acq: 27 Nov 2018 21:00

Tgt Ion: 65 Resp: 6638
Ion Ratio Lower Upper
65 100
92 27.2 54.6 81.8#
138 31.3 80.3 120.5#



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





#52

Acenaphthene

Concen: 3.668 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-ADL

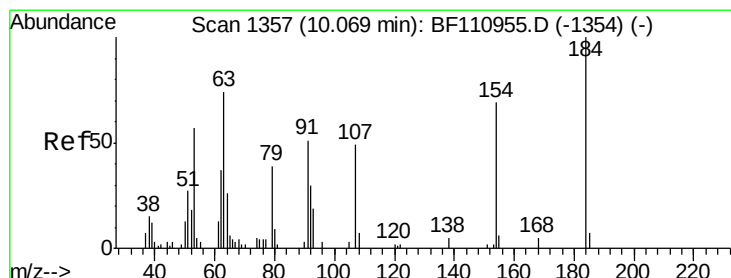
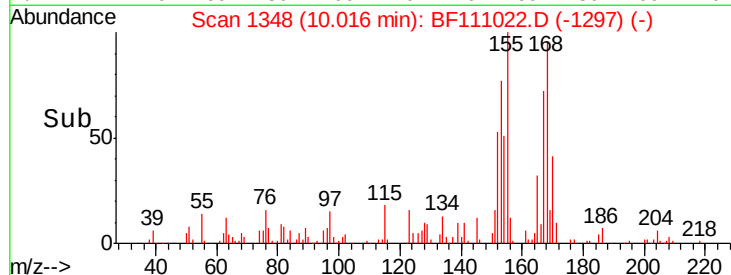
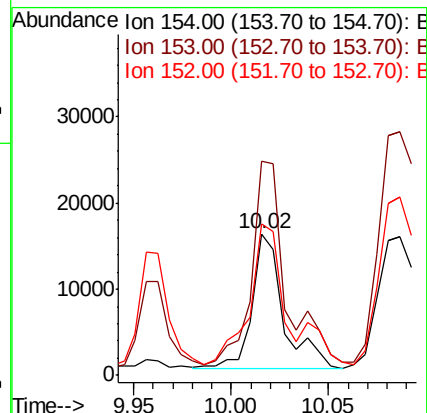
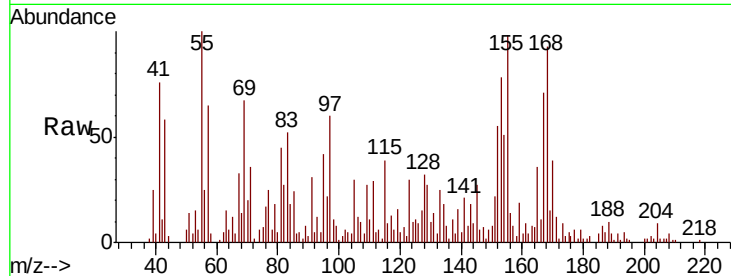
Tgt Ion:154 Resp: 17611

Ion Ratio Lower Upper

154 100

153 151.5 90.1 135.1#

152 107.0 43.4 65.2#



#54

2,4-Dinitrophenol

Concen: 4.712 ng

RT: 10.20 min Scan# 1379

Delta R.T. 0.12 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

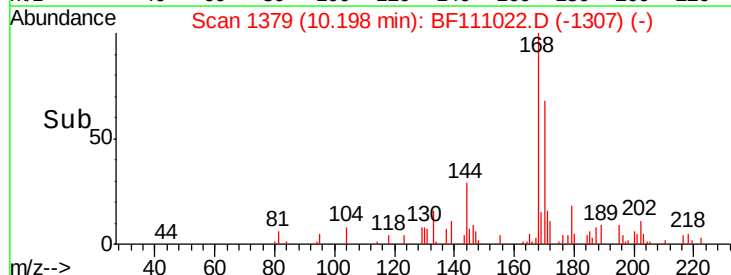
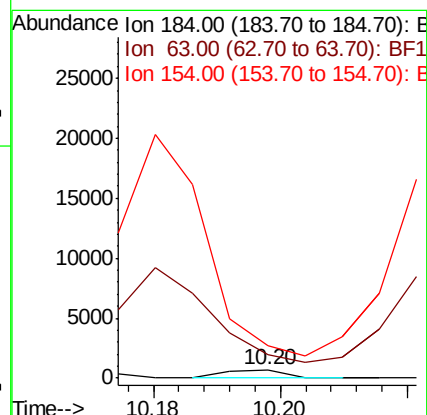
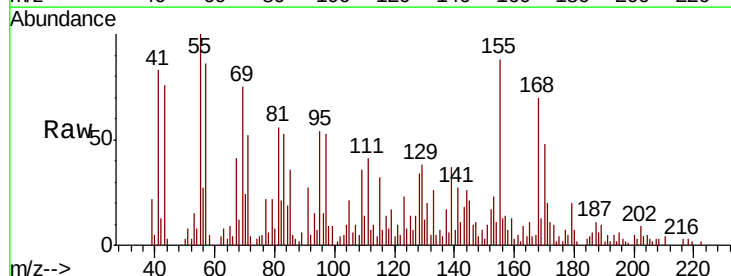
Tgt Ion:184 Resp: 474

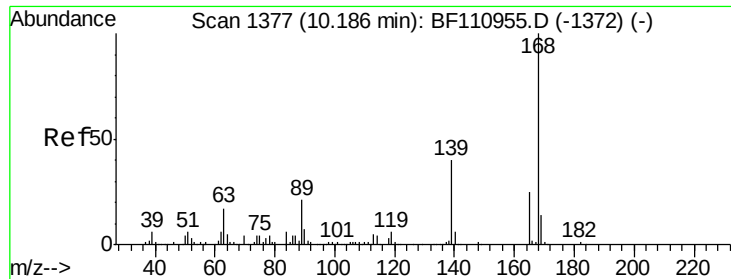
Ion Ratio Lower Upper

184 100

63 262.6 55.8 83.6#

154 366.3 63.2 94.8#





#55

Dibenzenofuran

Concen: 3.095 ng

RT: 10.19 min Scan# 1378

Delta R.T. 0.01 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-ADL

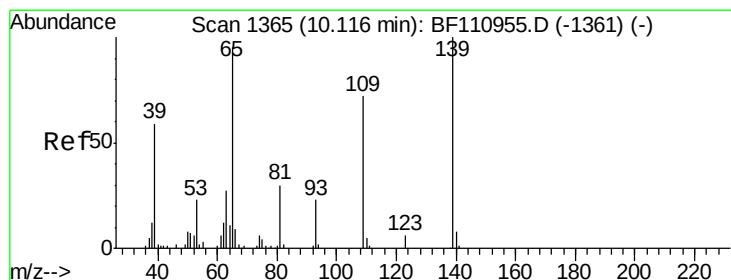
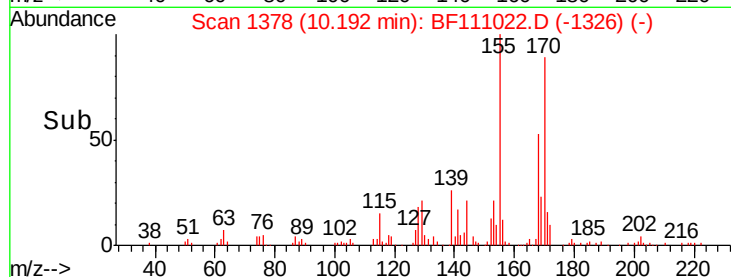
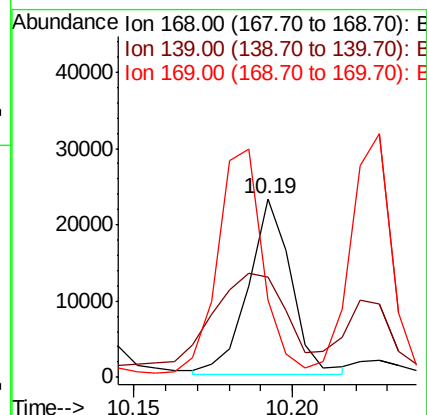
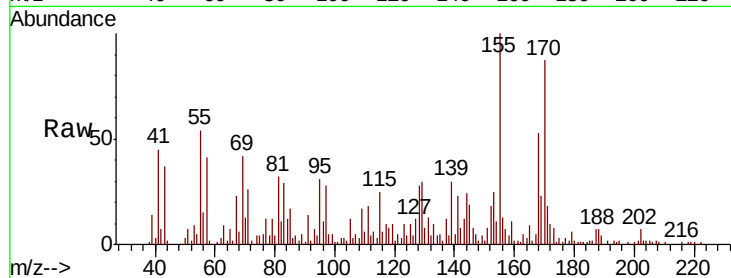
Tgt Ion:168 Resp: 21675

Ion Ratio Lower Upper

168 100

139 56.1 33.0 49.6#

169 43.3 11.3 16.9#



#56

4-Nitrophenol

Concen: 7.311 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.01 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

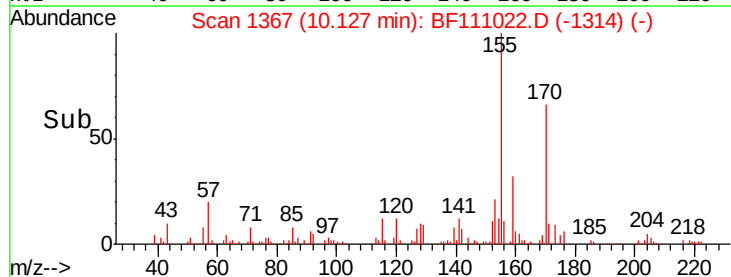
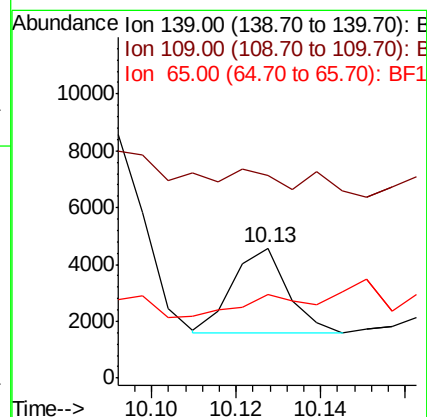
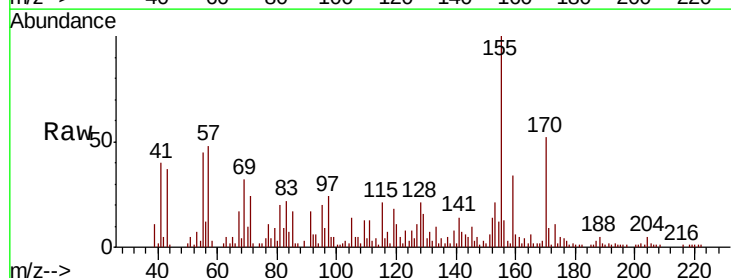
Tgt Ion:139 Resp: 2705

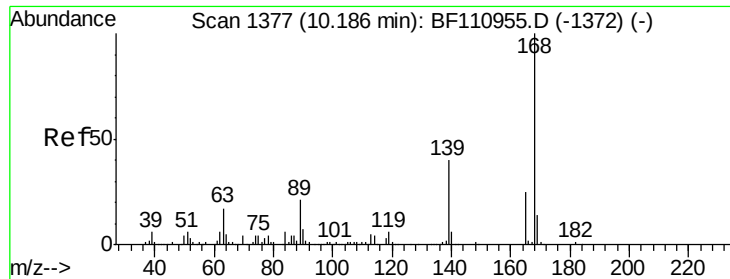
Ion Ratio Lower Upper

139 100

109 156.7 55.8 95.8#

65 64.6 77.9 117.9#





#57

2,4-Dinitrotoluene

Concen: 4.427 ng

RT: 10.18 min Scan# 1376

Delta R.T. -0.01 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-ADL

Tgt Ion:165 Resp: 7388

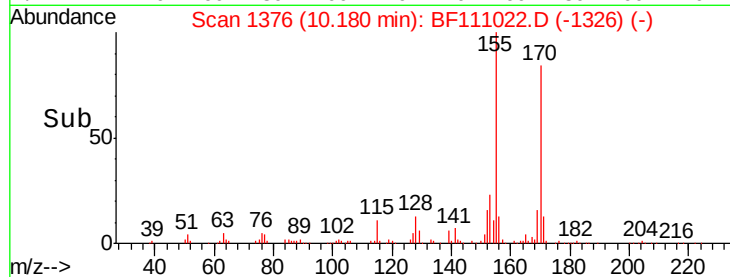
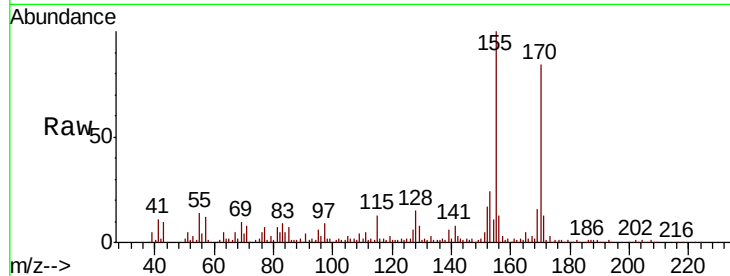
Ion Ratio Lower Upper

165 100

63 95.1 44.8 67.2#

89 39.2 62.2 93.4#

182 9.6 2.1 3.1#

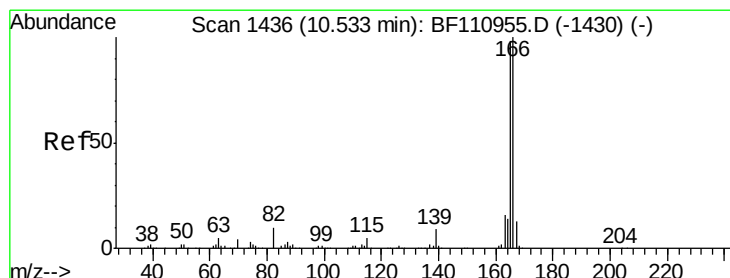
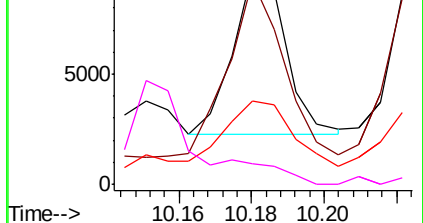


Abundance Ion 165.00 (164.70 to 165.70): E

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



#58

Fluorene

Concen: 6.464 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.01 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

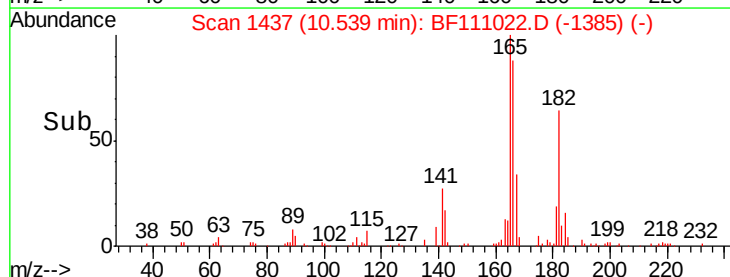
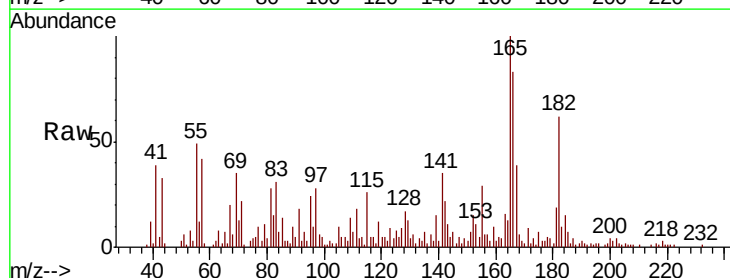
Tgt Ion:166 Resp: 35226

Ion Ratio Lower Upper

166 100

165 120.4 78.6 117.8#

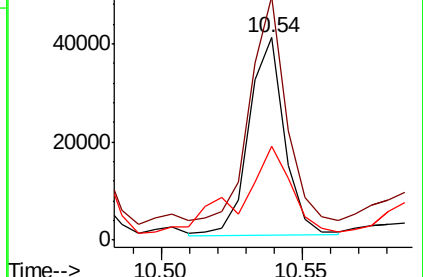
167 46.7 10.8 16.2#

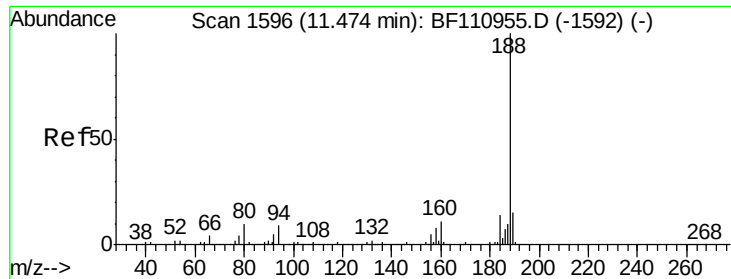


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-ADL

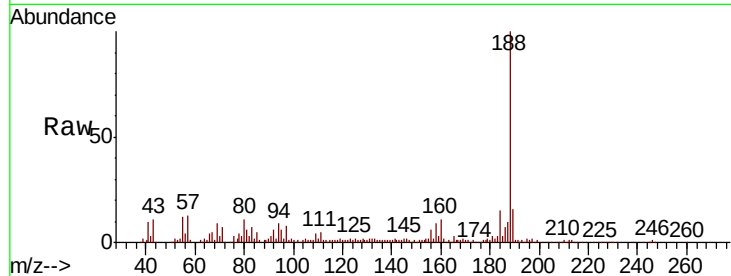
Tgt Ion:188 Resp: 151333

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

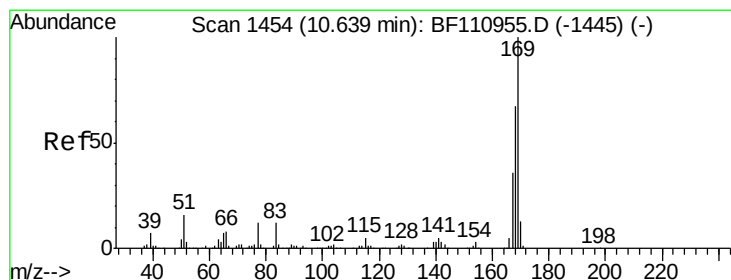
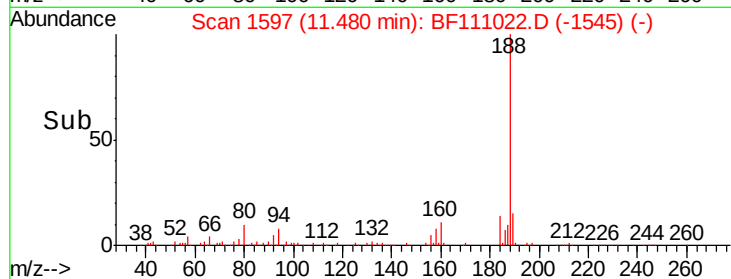
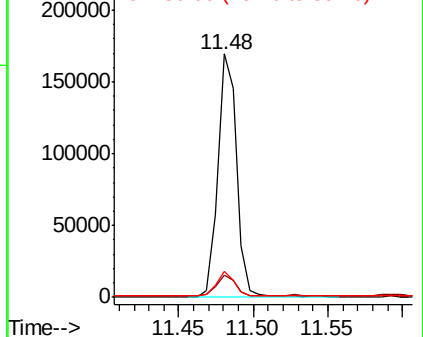
80 10.8 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

n-Nitrosodiphenylamine

Concen: 8.998 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

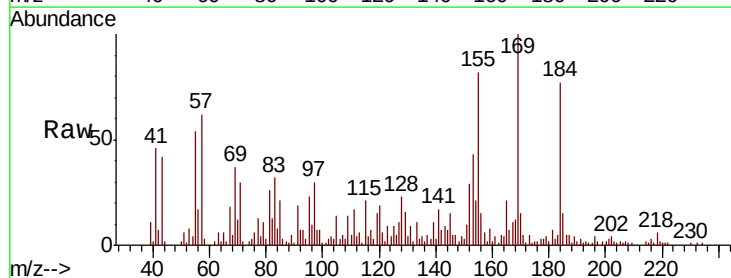
Tgt Ion:169 Resp: 45331

Ion Ratio Lower Upper

169 100

168 12.1 51.2 76.8#

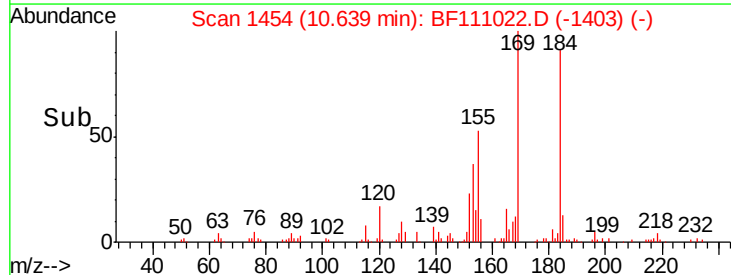
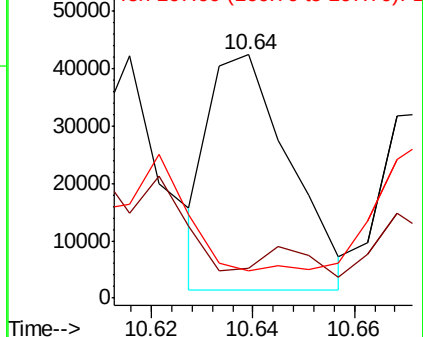
167 11.1 27.8 41.6#

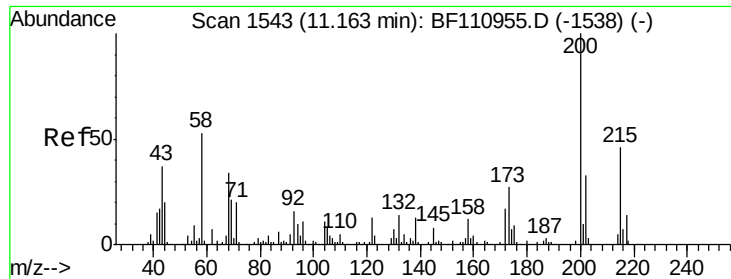


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

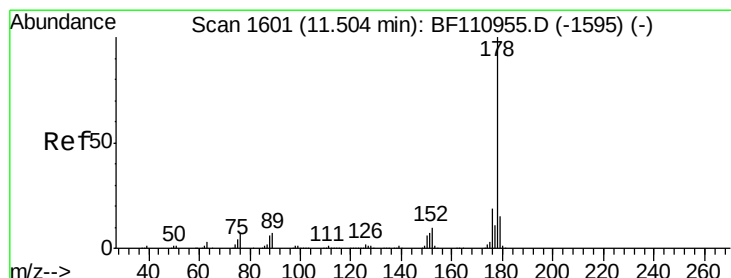
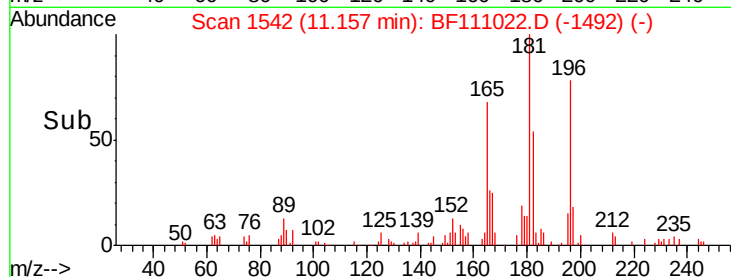
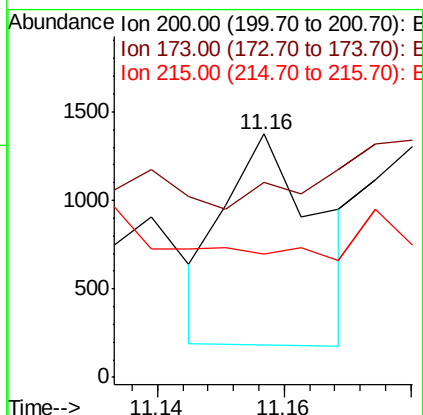
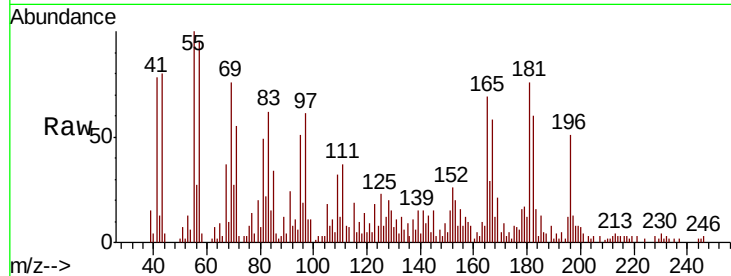




#69
Atrazine
Concen: 2.327 ng
RT: 11.16 min Scan# 1542
Delta R.T. -0.01 min
Lab File: BF111022.D
Acq: 27 Nov 2018 21:00

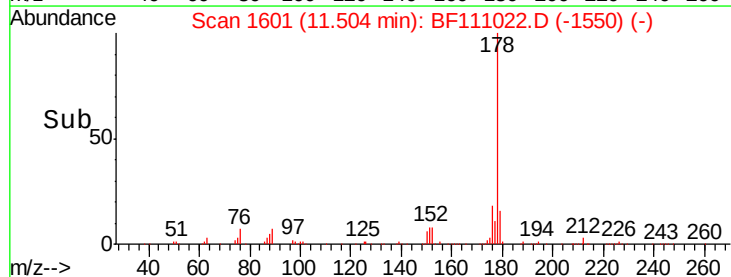
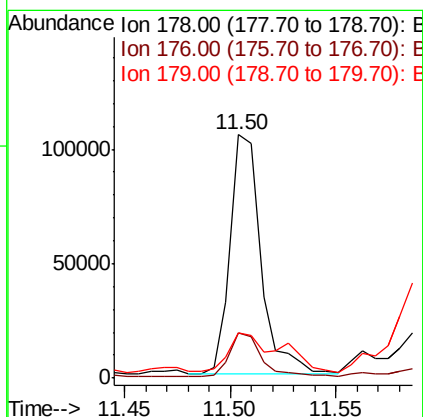
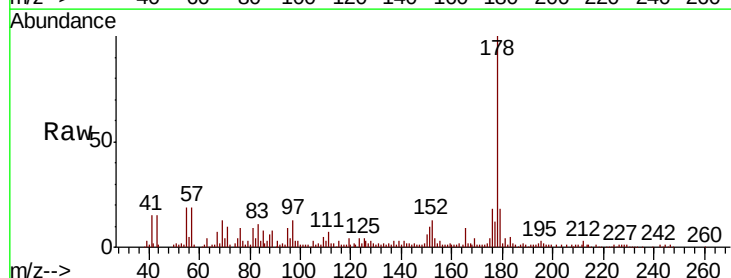
Instrument :
BNA_F
ClientSampleId :
NON-UST-03R-ADL

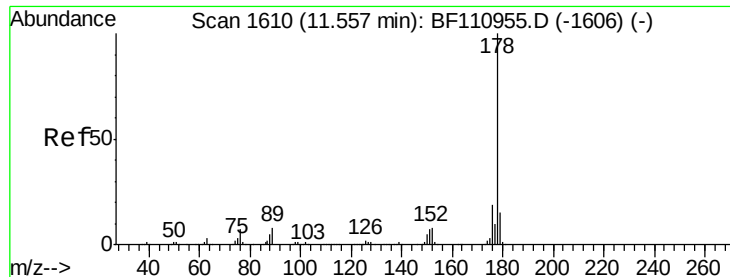
Tgt Ion:200 Resp: 1226
Ion Ratio Lower Upper
200 100
173 80.1 6.6 46.6#
215 50.6 26.3 66.3



#71
Phenanthrene
Concen: 13.290 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: BF111022.D
Acq: 27 Nov 2018 21:00

Tgt Ion:178 Resp: 106517
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 18.4 12.5 18.7





#72

Anthracene

Concen: 13.006 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.05 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-ADL

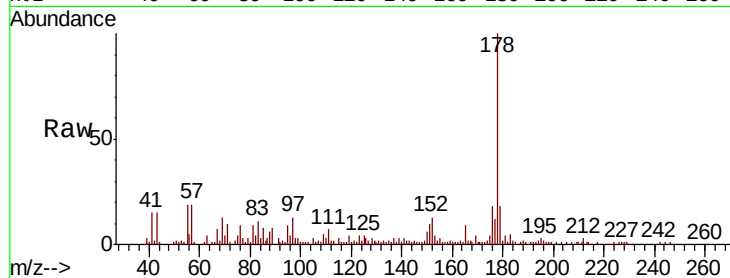
Tgt Ion:178 Resp: 106163

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

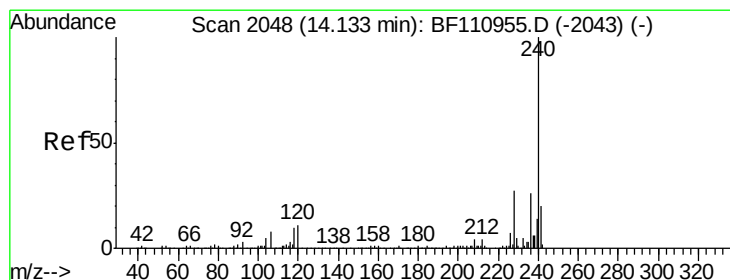
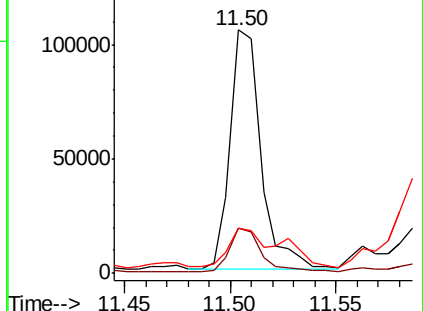
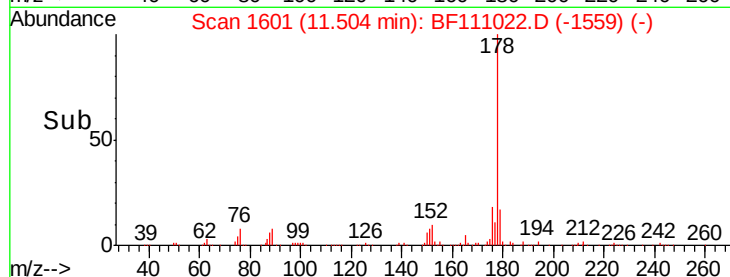
179 18.4 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2049

Delta R.T. 0.01 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

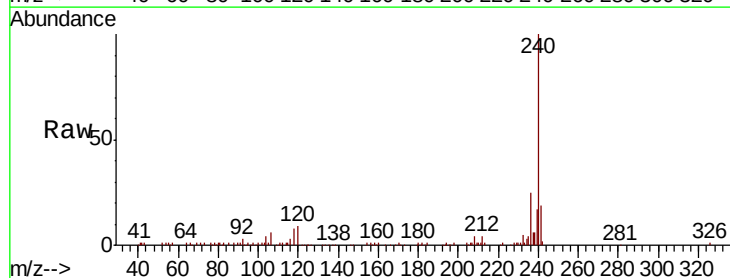
Tgt Ion:240 Resp: 124758

Ion Ratio Lower Upper

240 100

120 9.2 8.3 12.5

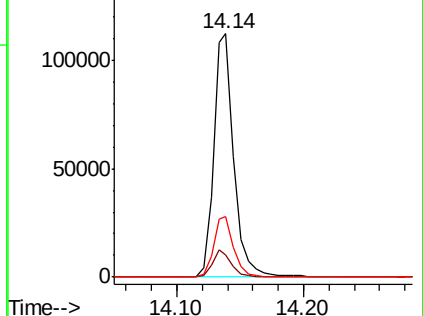
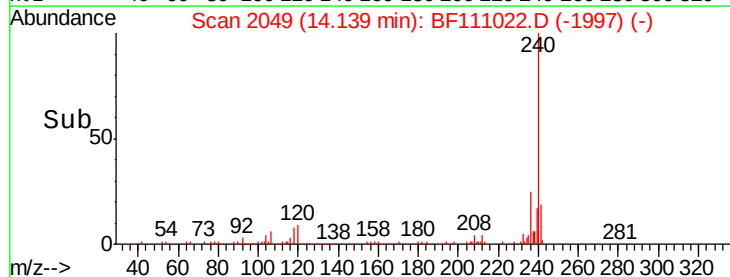
236 25.1 21.2 31.8

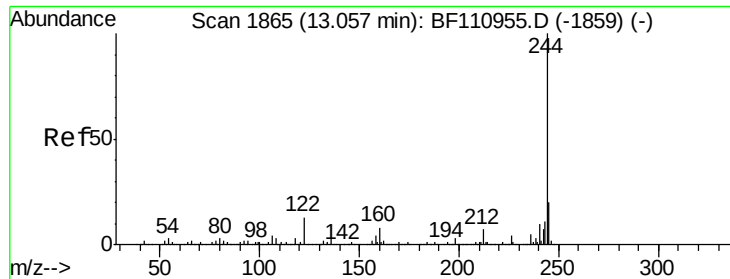


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 18.008 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.00 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-ADL

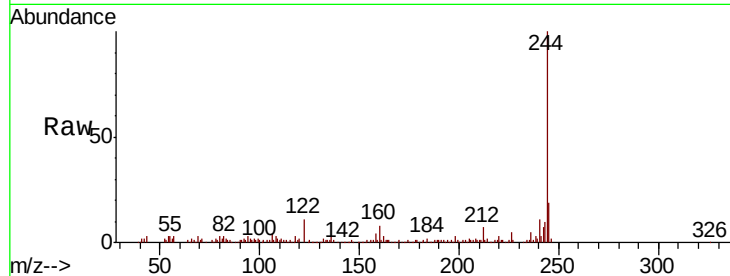
Tgt Ion:244 Resp: 115410

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

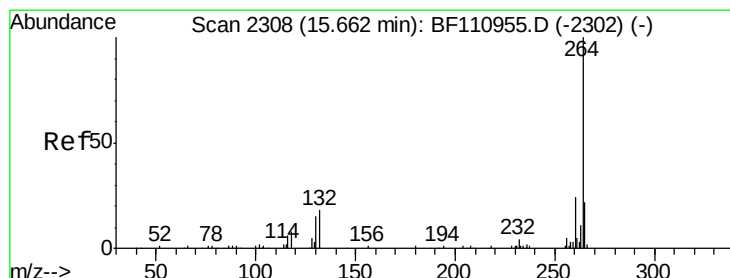
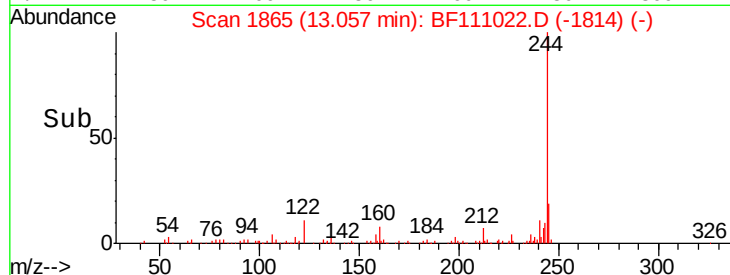
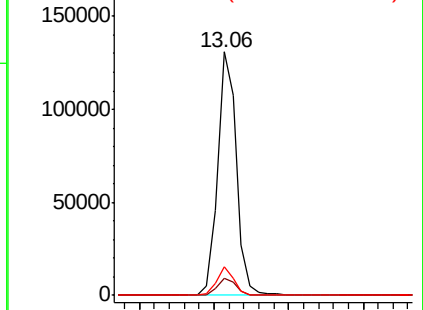
122 11.5 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF111022.D

Acq: 27 Nov 2018 21:00

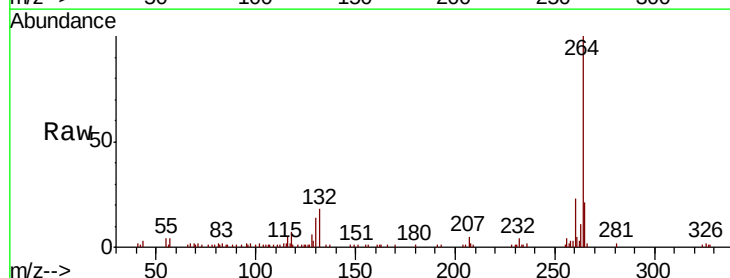
Tgt Ion:264 Resp: 78796

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 21.4 16.7 25.1



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

