

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112618\
 Data File : BF110984.D
 Acq On : 27 Nov 2018 00:41
 Operator : JU/SJ
 Sample : J6003-03DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Nov 27 03:00:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 26 15:26:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	56181	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	199145	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	84067	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	143191	20.00	ng	0.00
76) Chrysene-d12	14.14	240	90120	20.00	ng	0.00
87) Perylene-d12	15.67	264	69516	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	99492	29.37	ng	0.01
7) Phenol-d6	6.57	99	124645	28.23	ng	0.00
23) Nitrobenzene-d5	7.50	82	57991	16.67	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	20265	24.27	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	122927	21.18	ng	0.00
79) Terphenyl-d14	13.06	244	104364	22.54	ng	0.00

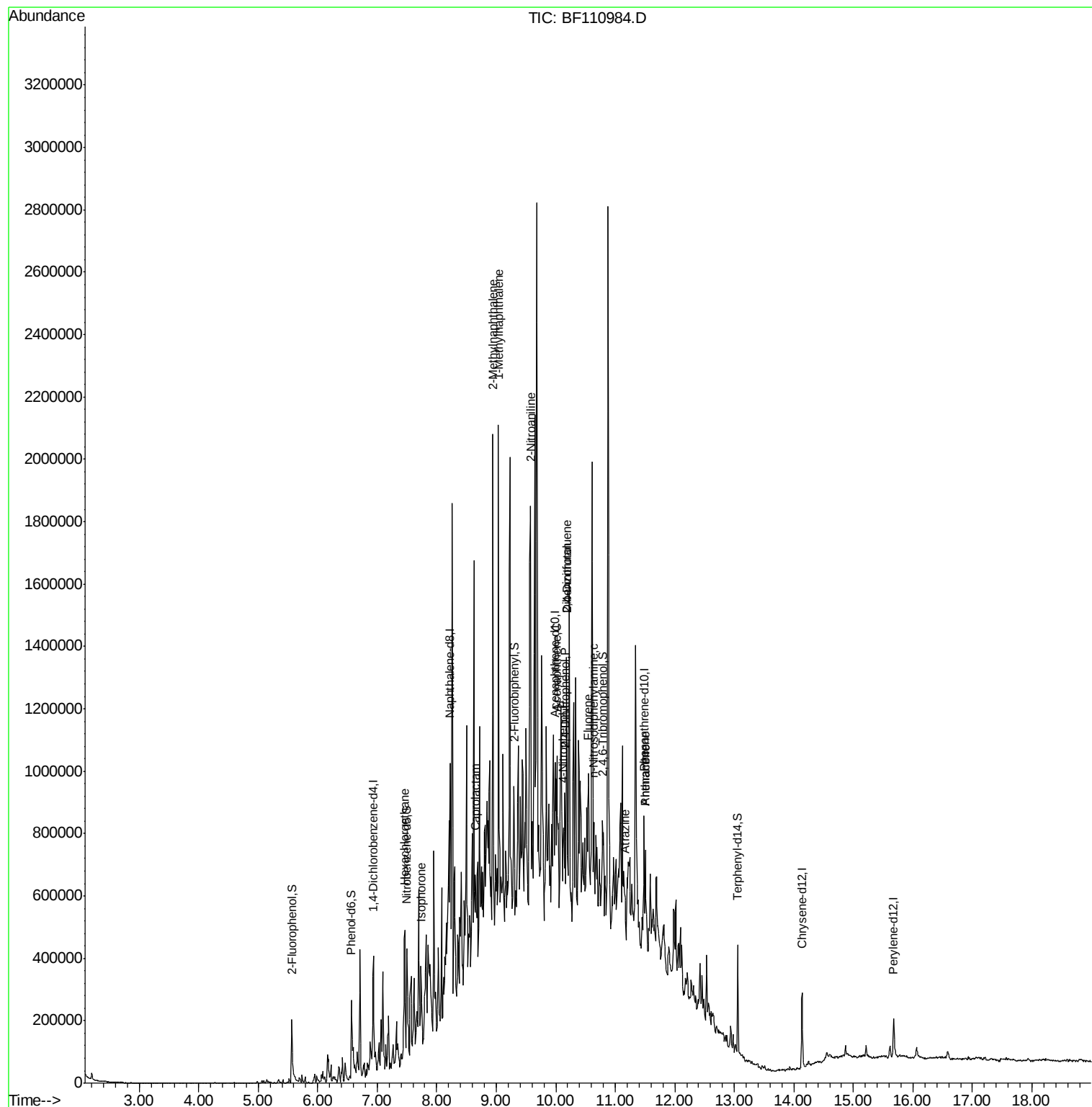
Target Compounds				Qvalue		
9) Benzaldehyde	6.46	77	246	Below Cal	#	1
18) Hexachloroethane	7.46	117	17201	10.309	ng	# 1
25) Isophorone	7.73	82	13215	2.315	ng	# 1
35) Caprolactam	8.66	113	4299	4.533	ng	# 1
37) 2-Methylnaphthalene	8.94	142	457824	74.251	ng	99
38) 1-Methylnaphthalene	9.04	142	296237	49.394	ng	# 99
48) 2-Nitroaniline	9.57	65	7326	4.168	ng	# 40
52) Acenaphthene	10.02	154	21130	4.125	ng	# 44
54) 2,4-Dinitrophenol	10.15	184	164	4.040	ng	# 1
55) Dibenzofuran	10.19	168	25235	3.377	ng	# 53
56) 4-Nitrophenol	10.13	139	2805	7.224	ng	# 39
57) 2,4-Dinitrotoluene	10.19	165	9214	5.174	ng	# 58
58) Fluorene	10.54	166	40718	7.003	ng	# 70
66) n-Nitrosodiphenylamine	10.64	169	56508	11.855	ng	# 41
69) Atrazine	11.16	200	1241	2.367	ng	# 71
71) Phenanthrene	11.51	178	112915	14.889	ng	97
72) Anthracene	11.51	178	112915	14.620	ng	96

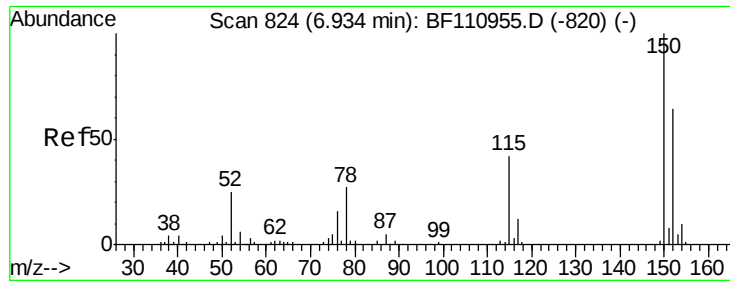
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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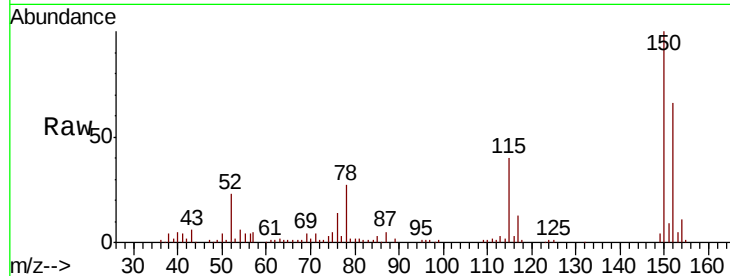


#1

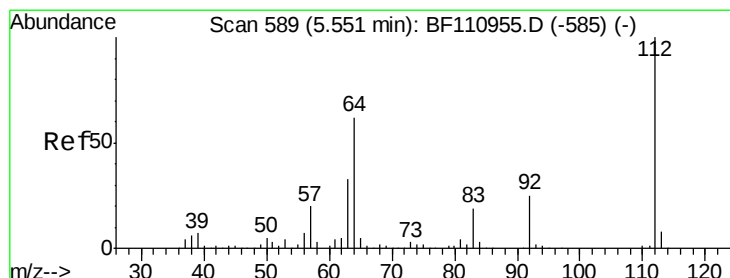
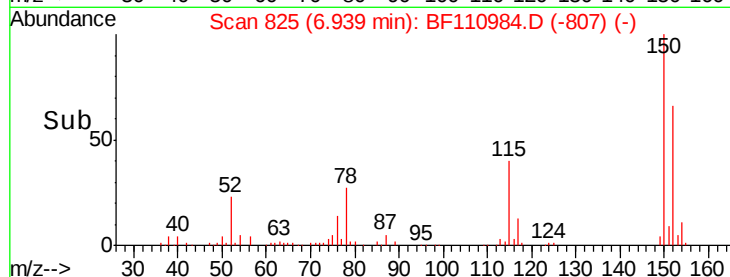
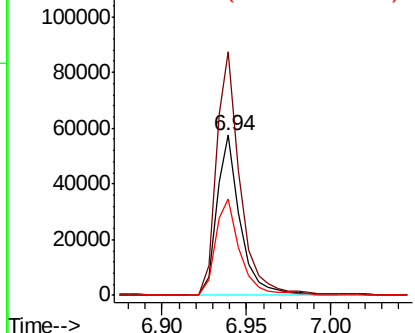
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BF110984.D
 Acq: 27 Nov 2018 00:41

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

Tgt Ion:152 Resp: 56181
 Ion Ratio Lower Upper
 152 100
 150 152.2 122.7 184.1
 115 60.3 49.1 73.7



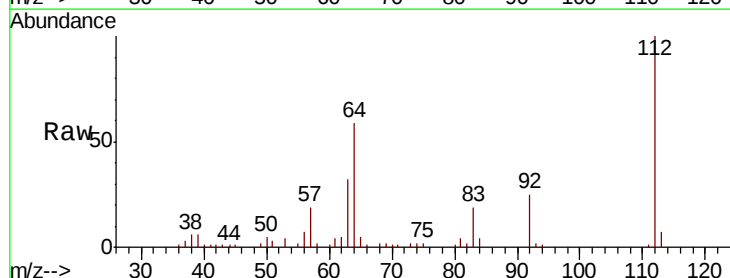
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



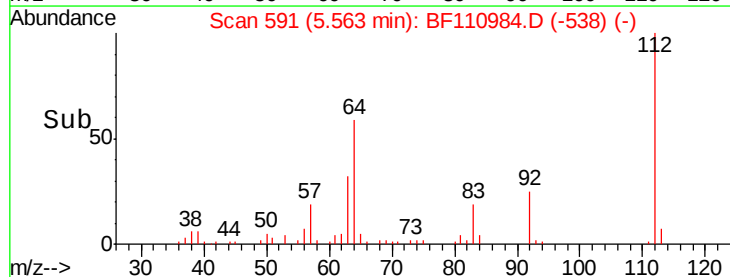
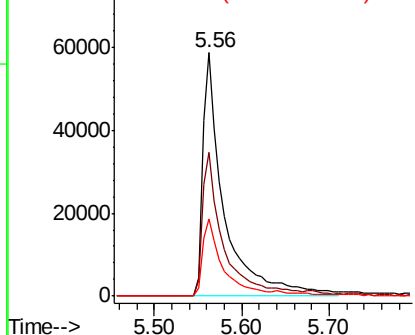
#5

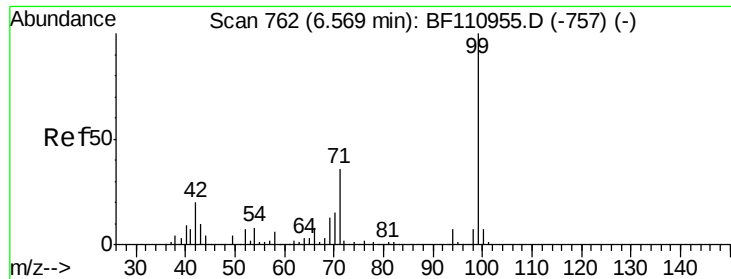
2-Fluorophenol
 Concen: 29.367 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.01 min
 Lab File: BF110984.D
 Acq: 27 Nov 2018 00:41

Tgt Ion:112 Resp: 99492
 Ion Ratio Lower Upper
 112 100
 64 59.3 44.1 66.1
 63 31.8 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: 28.233 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF110984.D

Acq: 27 Nov 2018 00:41

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-ADL

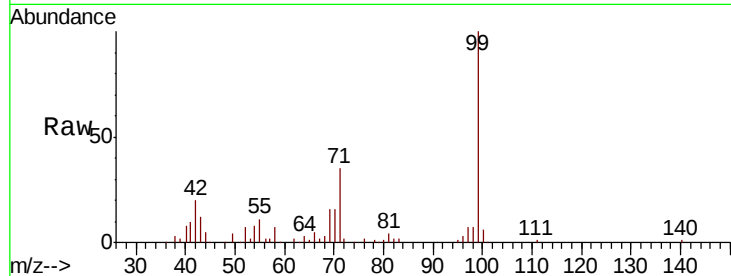
Tgt Ion: 99 Resp: 124645

Ion Ratio Lower Upper

99 100

42 20.2 15.8 23.6

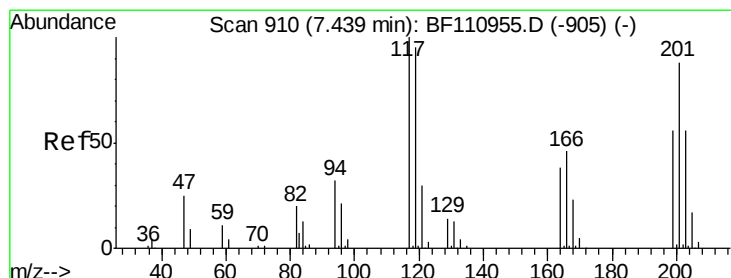
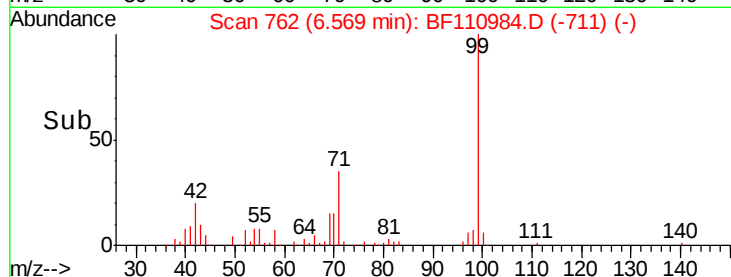
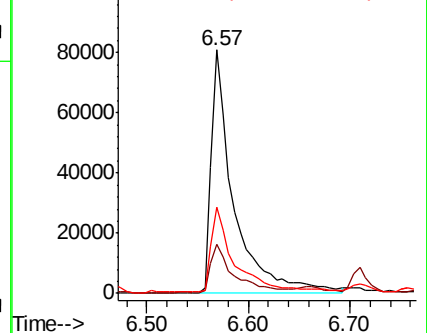
71 35.4 28.0 42.0



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: 10.309 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.02 min

Lab File: BF110984.D

Acq: 27 Nov 2018 00:41

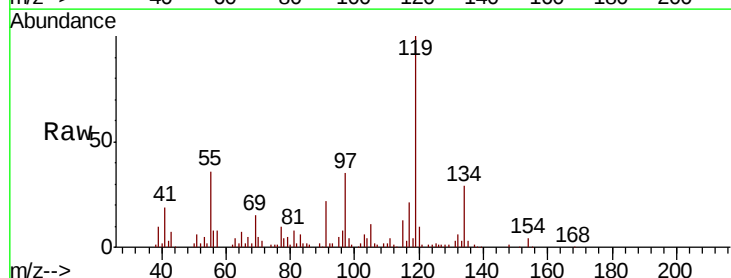
Tgt Ion: 117 Resp: 17201

Ion Ratio Lower Upper

117 100

119 469.9 75.0 112.6#

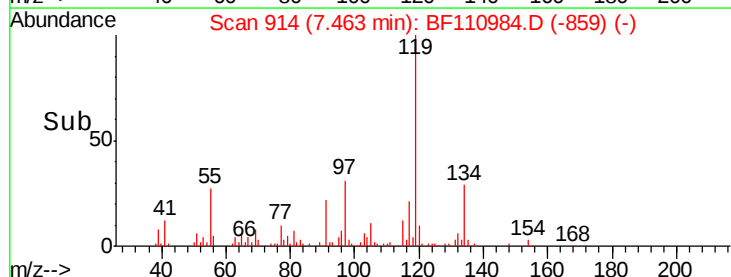
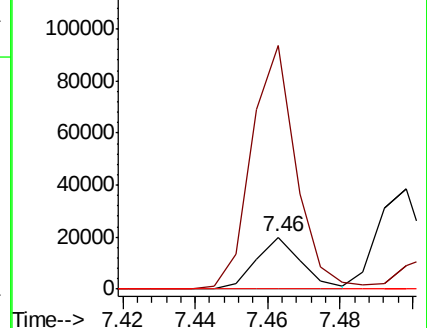
201 0.0 79.2 118.8#

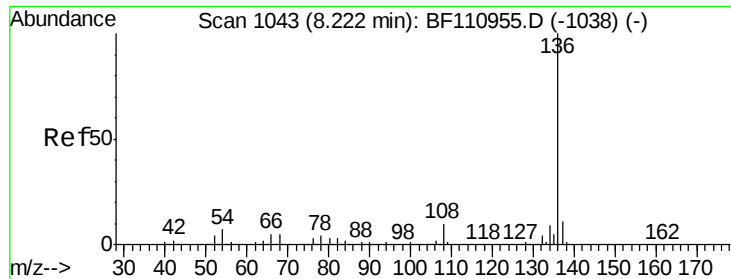


Abundance Ion 117.00 (116.70 to 117.70): E

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: BF110984.D

Acq: 27 Nov 2018 00:41

Instrument :

BNA_F

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NON-UST-03R-ADL

Tgt Ion:136 Resp: 199145

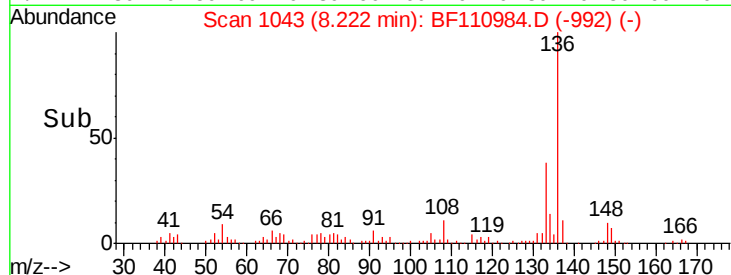
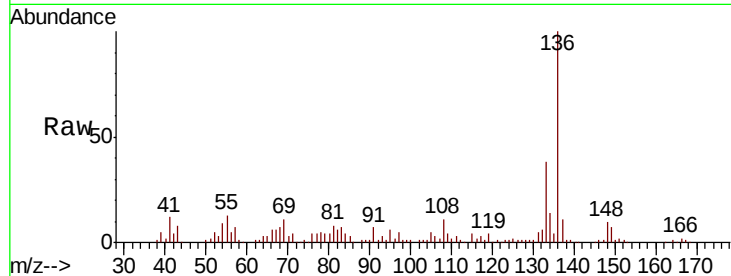
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 9.3 5.4 8.2#

68 6.6 4.2 6.2#

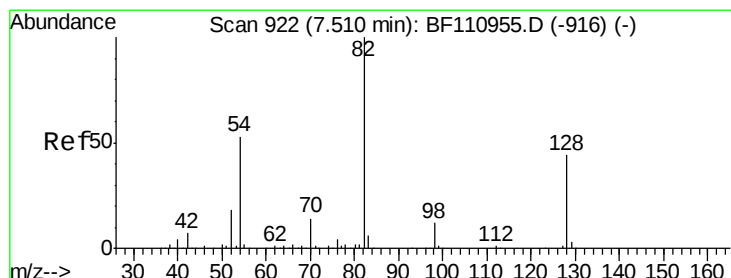
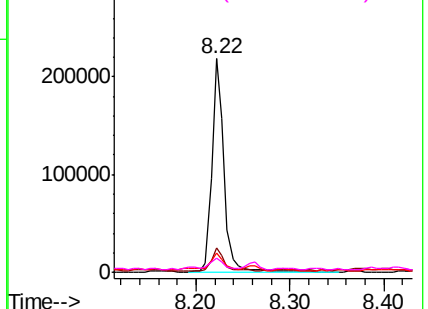


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.666 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF110984.D

Acq: 27 Nov 2018 00:41

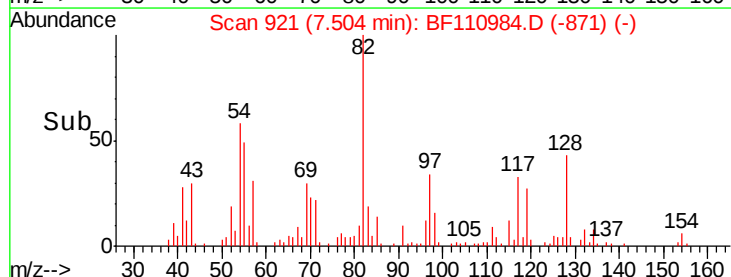
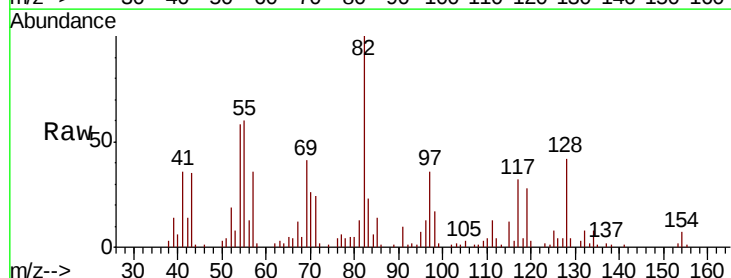
Tgt Ion: 82 Resp: 57991

Ion Ratio Lower Upper

82 100

128 42.3 34.2 51.2

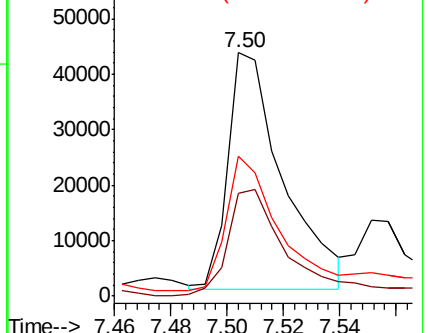
54 57.7 38.6 58.0

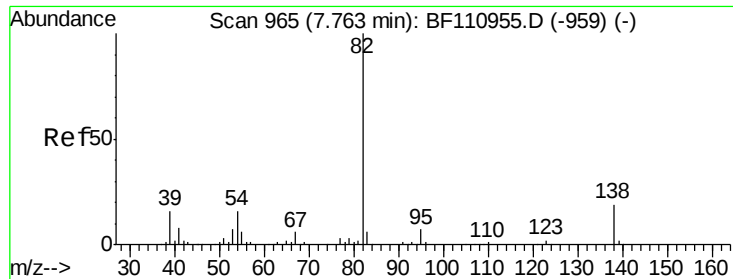


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

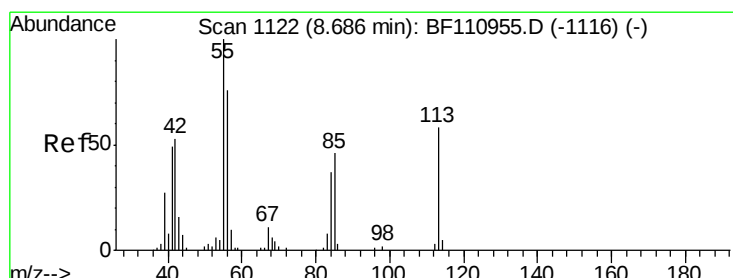
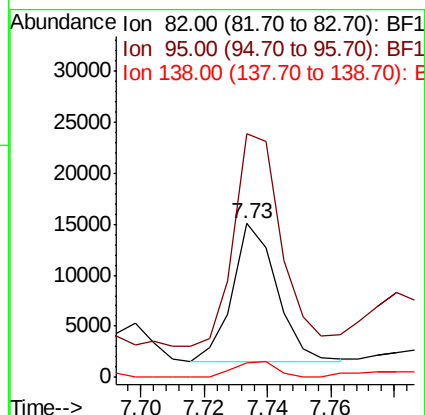
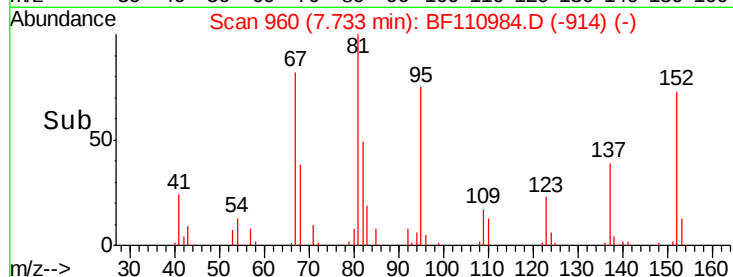
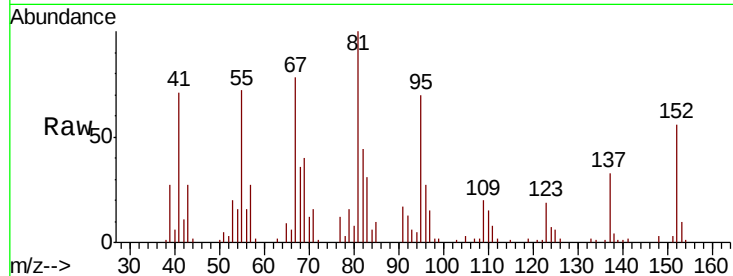




#25
Isophorone
Concen: 2.315 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.03 min
Lab File: BF110984.D
Acq: 27 Nov 2018 00:41

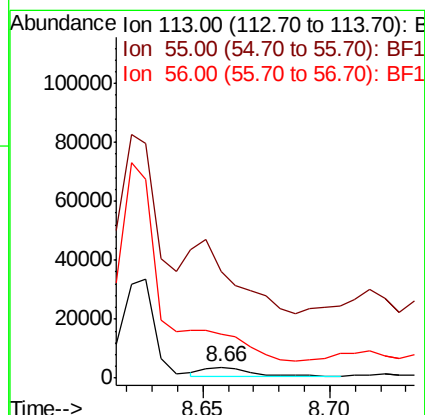
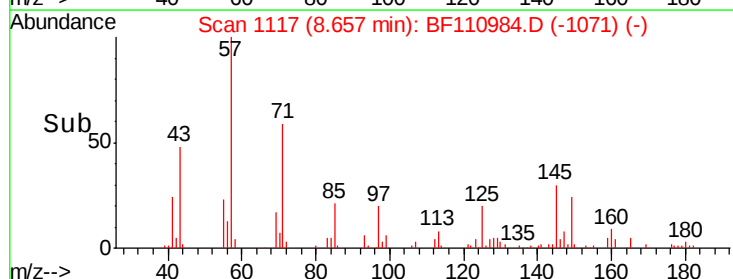
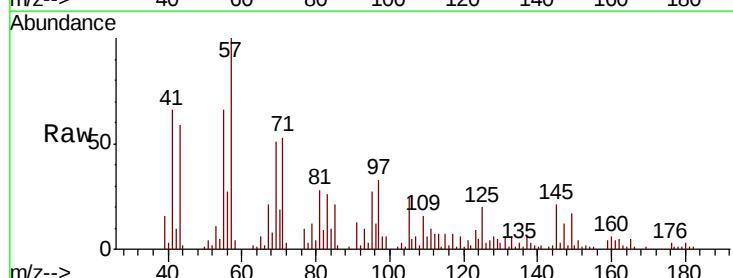
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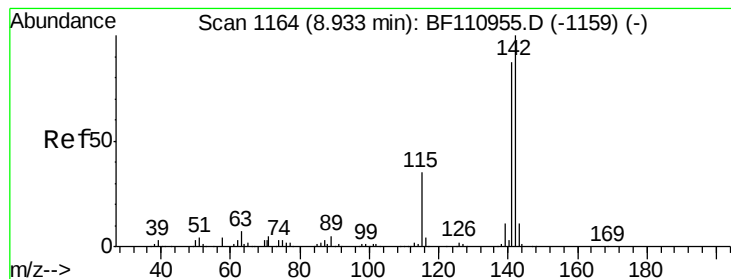
Tgt Ion: 82 Resp: 13215
Ion Ratio Lower Upper
82 100
95 158.7 5.7 8.5#
138 9.4 13.2 19.8#



#35
Caprolactam
Concen: 4.533 ng
RT: 8.66 min Scan# 1117
Delta R.T. -0.03 min
Lab File: BF110984.D
Acq: 27 Nov 2018 00:41

Tgt Ion: 113 Resp: 4299
Ion Ratio Lower Upper
113 100
55 981.3 142.8 182.8#
56 402.0 105.0 145.0#





#37

2-Methylnaphthalene

Concen: 74.251 ng

RT: 8.94 min Scan# 1165

Delta R.T. 0.01 min

Lab File: BF110984.D

Acq: 27 Nov 2018 00:41

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-ADL

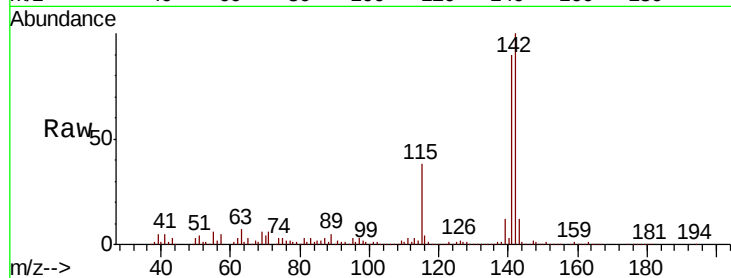
Tgt Ion:142 Resp: 457824

Ion Ratio Lower Upper

142 100

141 90.2 71.4 107.2

115 37.6 28.7 43.1

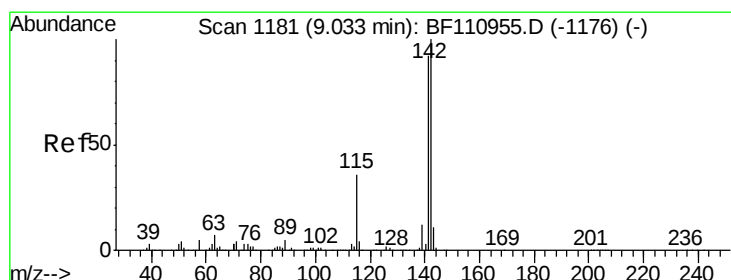
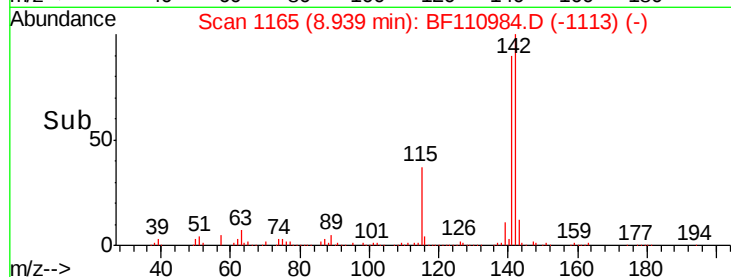
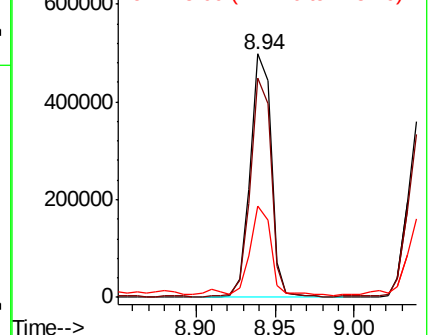


Abundance

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: 49.394 ng

RT: 9.04 min Scan# 1182

Delta R.T. 0.01 min

Lab File: BF110984.D

Acq: 27 Nov 2018 00:41

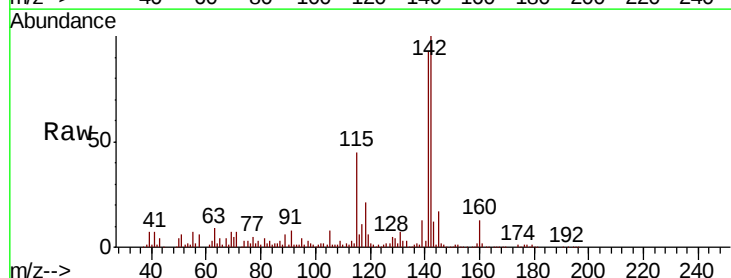
Tgt Ion:142 Resp: 296237

Ion Ratio Lower Upper

142 100

141 92.5 74.2 111.4

116 6.3 2.6 4.0#

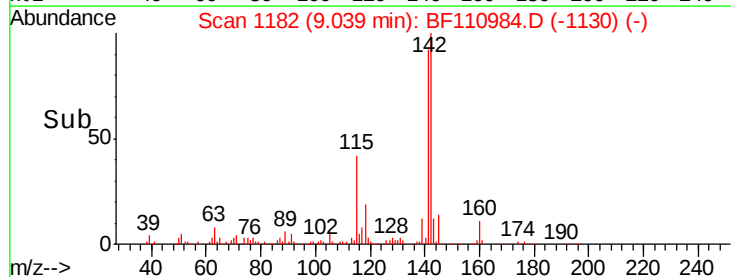
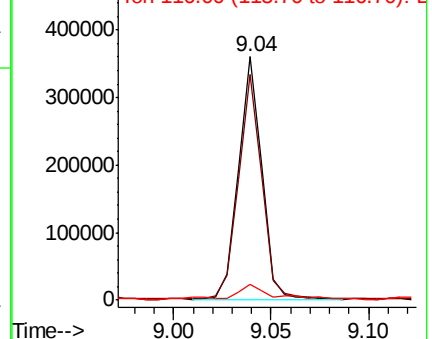


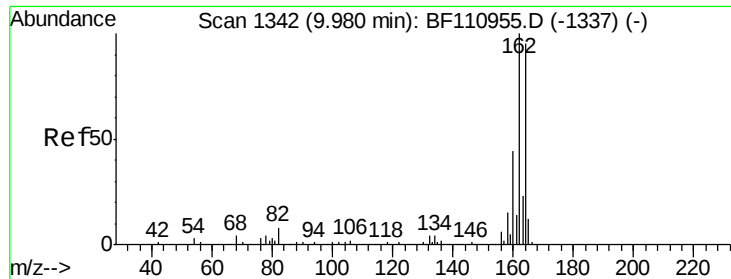
Abundance

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

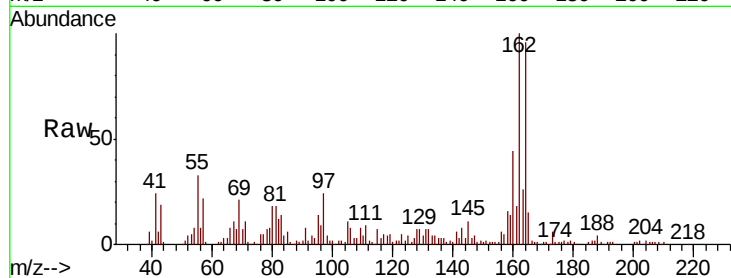




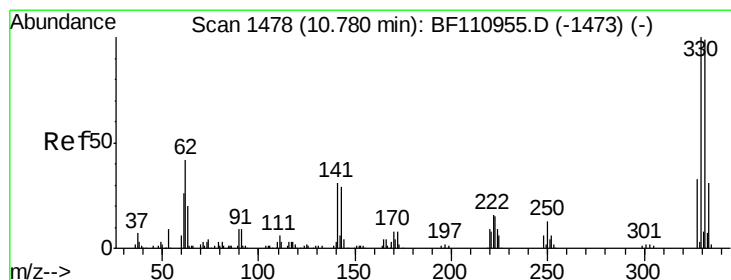
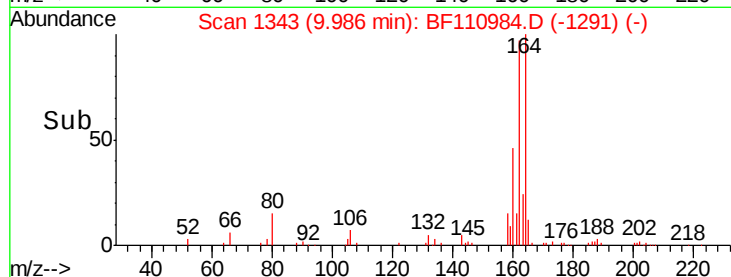
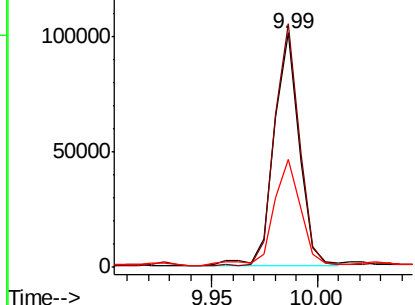
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.01 min
 Lab File: BF110984.D
 Acq: 27 Nov 2018 00:41

Instrument :
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Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	83.0	124.6
160	46.1	37.0	55.6

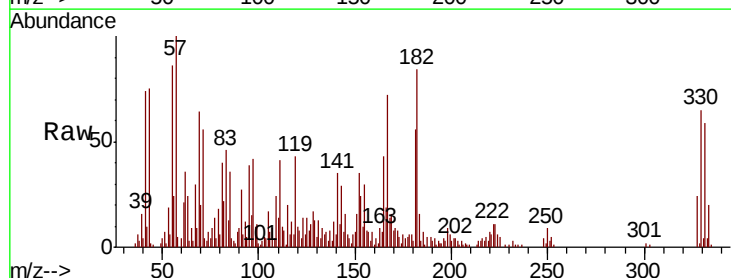


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

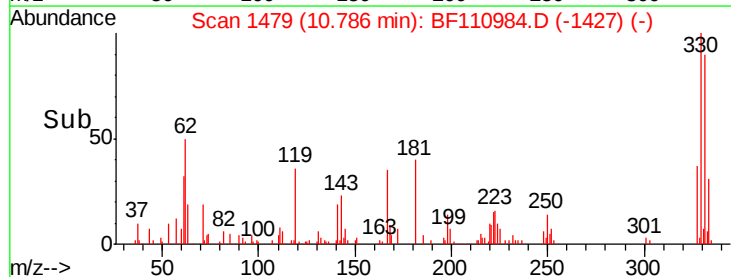
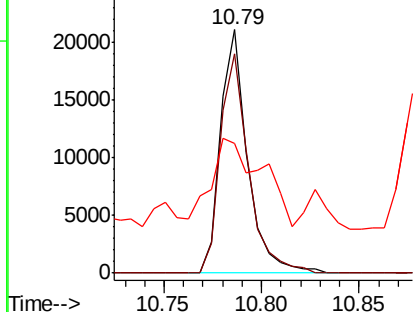


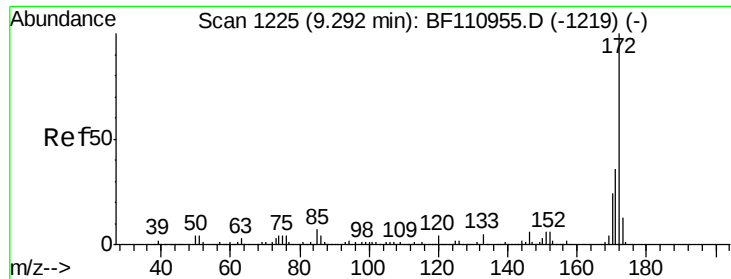
#42
 2,4,6-Tribromophenol
 Concen: 24.272 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. 0.01 min
 Lab File: BF110984.D
 Acq: 27 Nov 2018 00:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.1	115.7
141	66.9	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

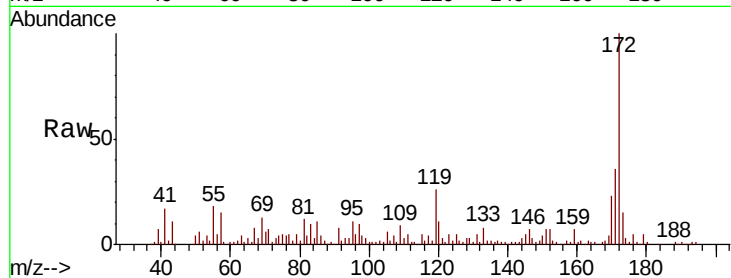




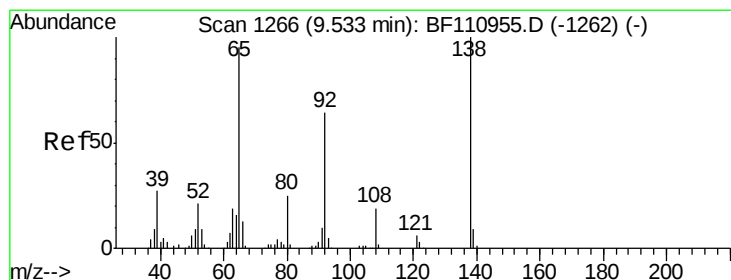
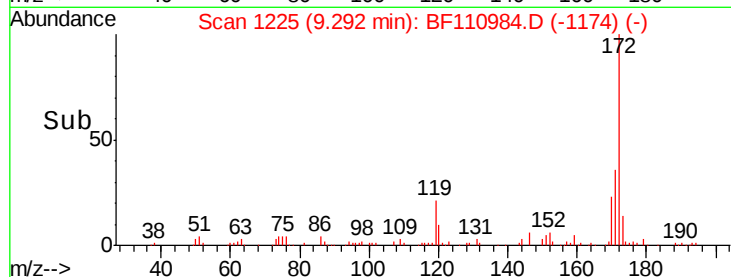
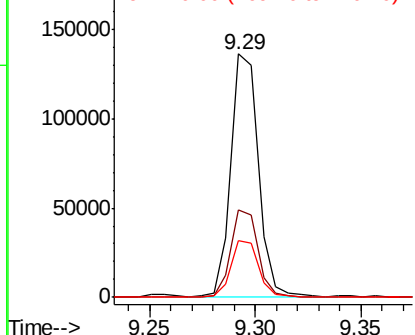
#45
2-Fluorobiphenyl
Concen: 21.185 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.00 min
Lab File: BF110984.D
Acq: 27 Nov 2018 00:41

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

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	23.0	19.7	29.5

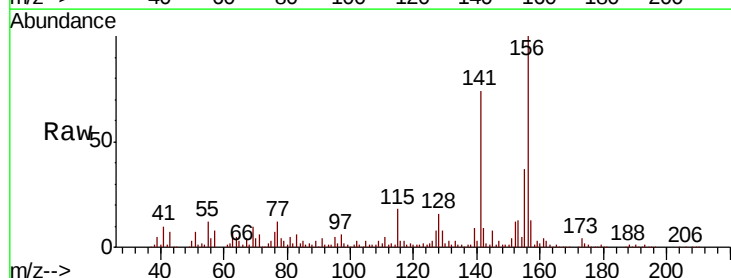


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

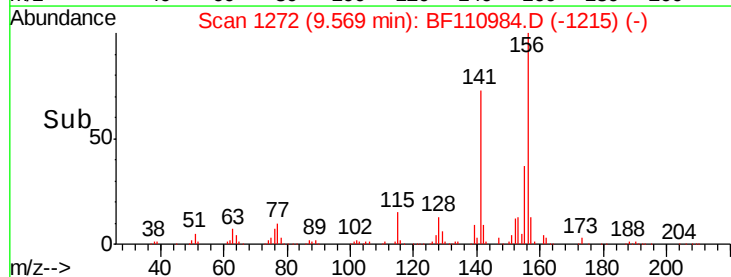
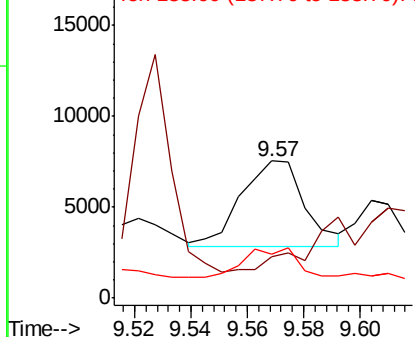


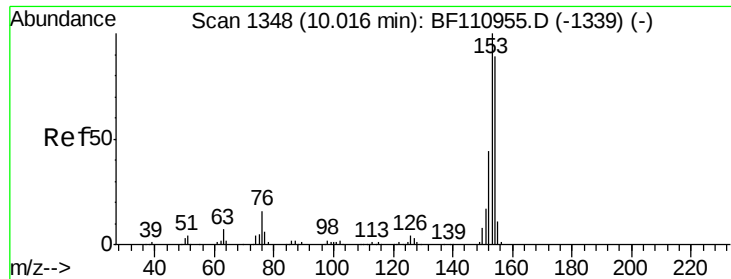
#48
2-Nitroaniline
Concen: 4.168 ng
RT: 9.57 min Scan# 1272
Delta R.T. 0.04 min
Lab File: BF110984.D
Acq: 27 Nov 2018 00:41

Tgt Ion	Ratio	Lower	Upper
65	100		
92	30.6	54.6	81.8#
138	31.8	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: 4.125 ng

RT: 10.02 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BF110984.D

Acq: 27 Nov 2018 00:41

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-ADL

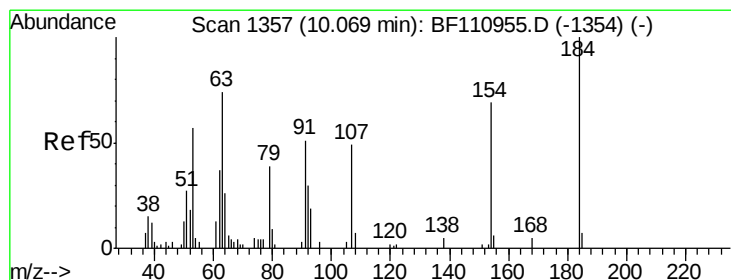
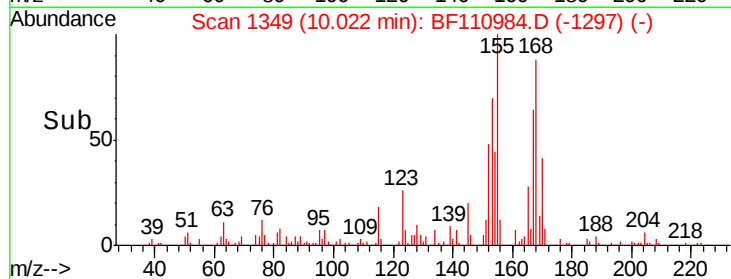
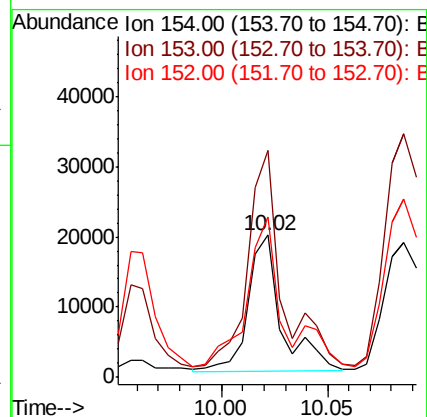
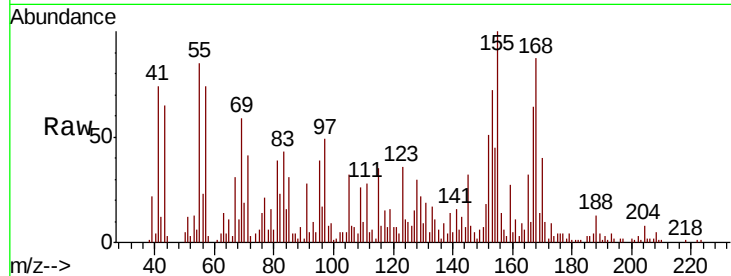
Tgt Ion:154 Resp: 21130

Ion Ratio Lower Upper

154 100

153 159.8 90.1 135.1#

152 113.3 43.4 65.2#



#54

2,4-Dinitrophenol

Concen: 4.040 ng

RT: 10.15 min Scan# 1371

Delta R.T. 0.08 min

Lab File: BF110984.D

Acq: 27 Nov 2018 00:41

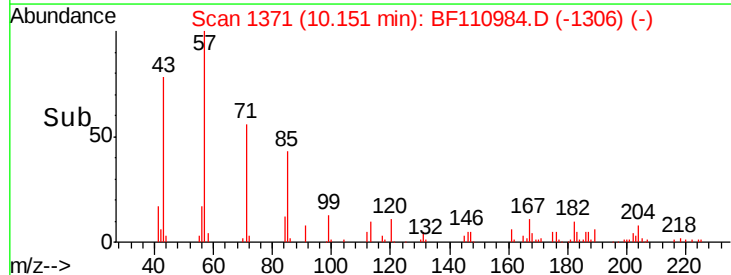
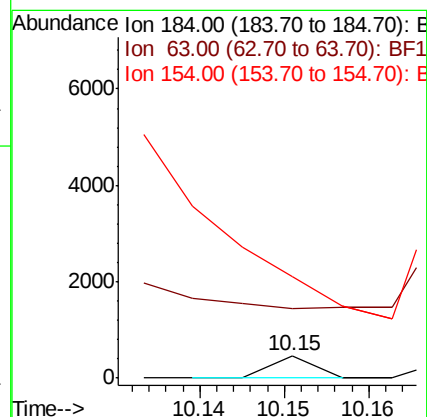
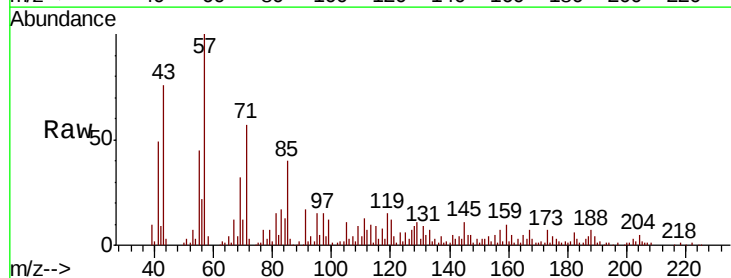
Tgt Ion:184 Resp: 164

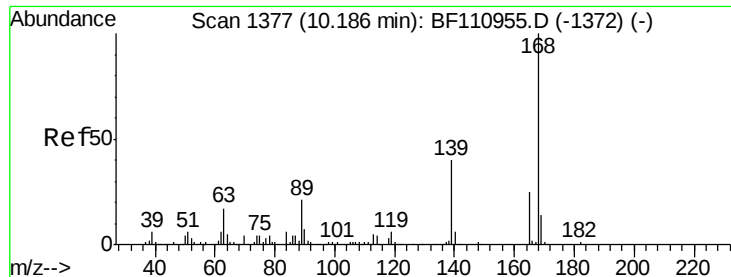
Ion Ratio Lower Upper

184 100

63 308.4 55.8 83.6#

154 453.0 63.2 94.8#

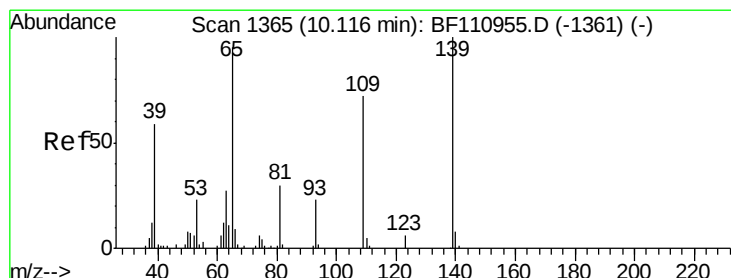
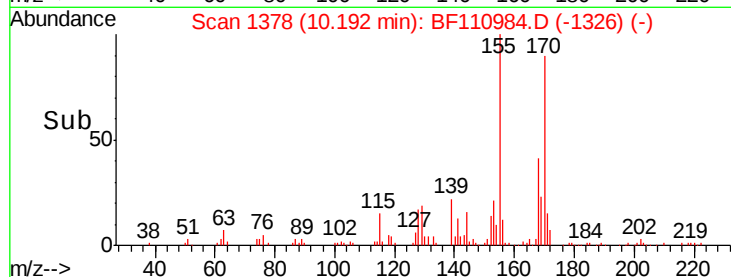
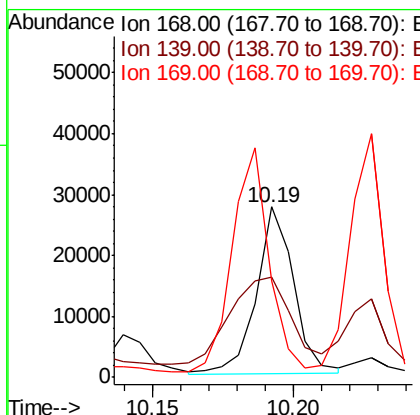
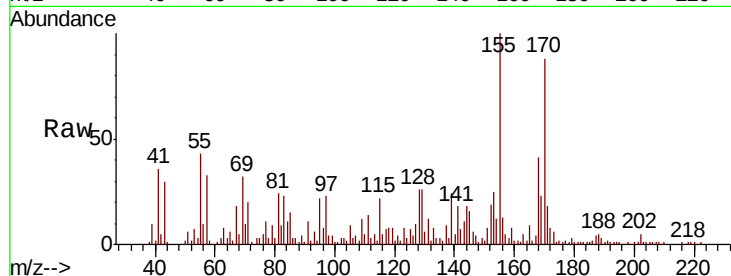




#55
Dibenzofuran
Concen: 3.377 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.01 min
Lab File: BF110984.D
Acq: 27 Nov 2018 00:41

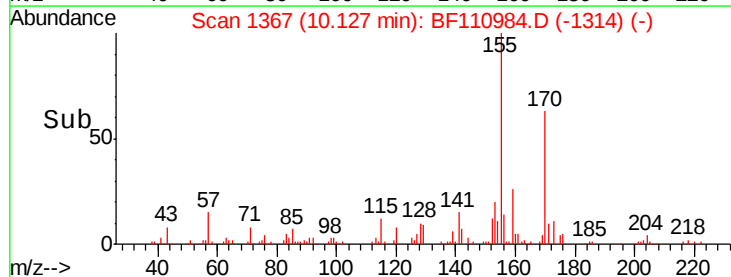
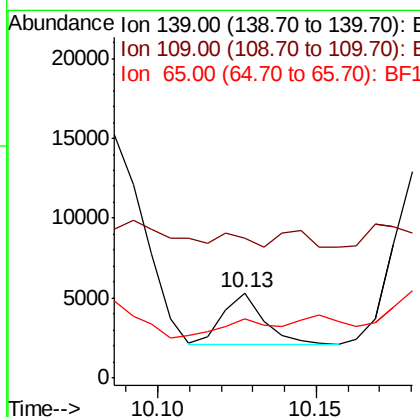
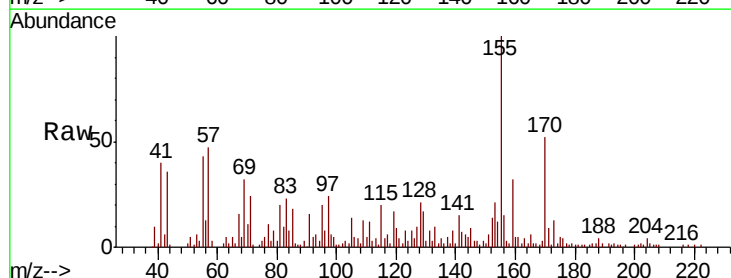
Instrument :
BNA_F
ClientSampleId :
NON-UST-03R-ADL

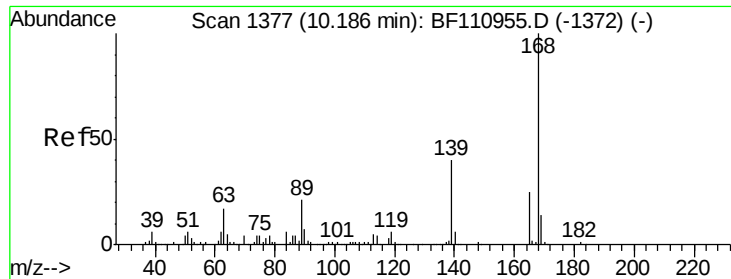
Tgt Ion:168 Resp: 25235
Ion Ratio Lower Upper
168 100
139 58.7 33.0 49.6#
169 57.0 11.3 16.9#



#56
4-Nitrophenol
Concen: 7.224 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.01 min
Lab File: BF110984.D
Acq: 27 Nov 2018 00:41

Tgt Ion:139 Resp: 2805
Ion Ratio Lower Upper
139 100
109 164.4 55.8 95.8#
65 69.3 77.9 117.9#

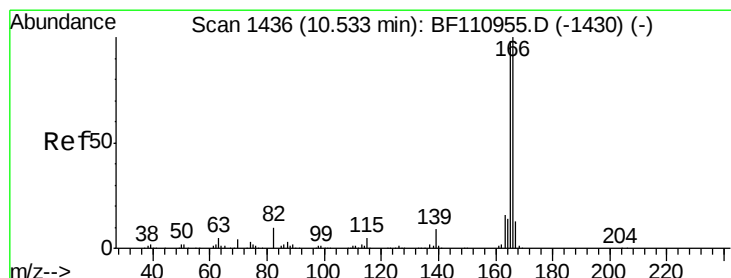
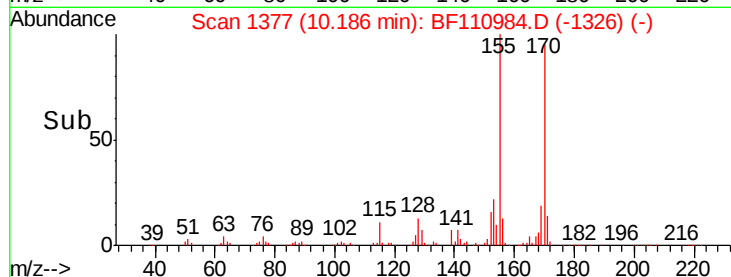
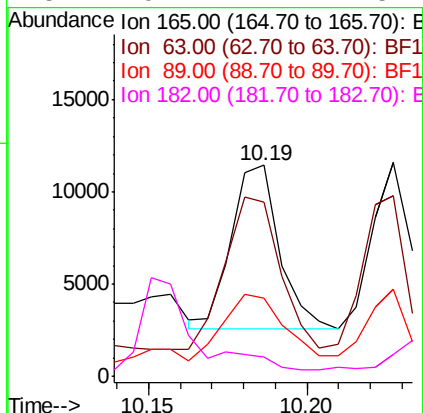
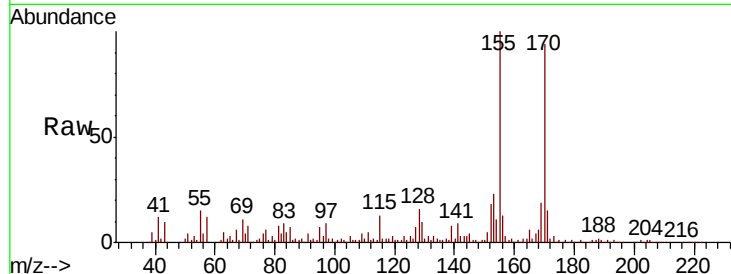




#57
2,4-Dinitrotoluene
Concen: 5.174 ng
RT: 10.19 min Scan# 1377
Delta R.T. -0.00 min
Lab File: BF110984.D
Acq: 27 Nov 2018 00:41

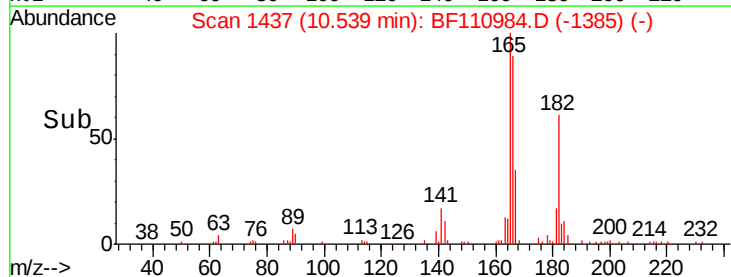
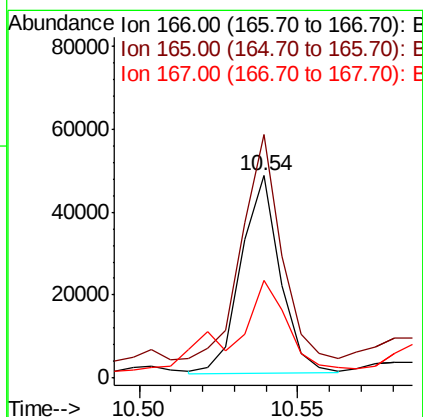
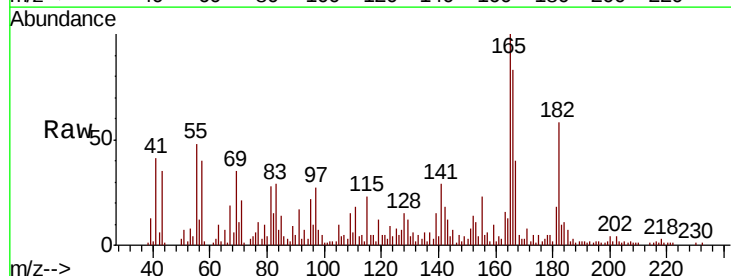
Instrument :
BNA_F
ClientSampleId :
NON-UST-03R-ADL

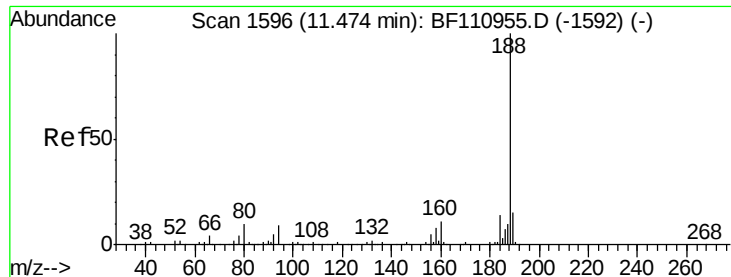
Tgt Ion	Ratio	Lower	Upper
165	100		
63	82.7	44.8	67.2#
89	37.2	62.2	93.4#
182	9.4	2.1	3.1#



#58
Fluorene
Concen: 7.003 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.01 min
Lab File: BF110984.D
Acq: 27 Nov 2018 00:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	120.2	78.6	117.8#
167	48.4	10.8	16.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF110984.D

Acq: 27 Nov 2018 00:41

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-ADL

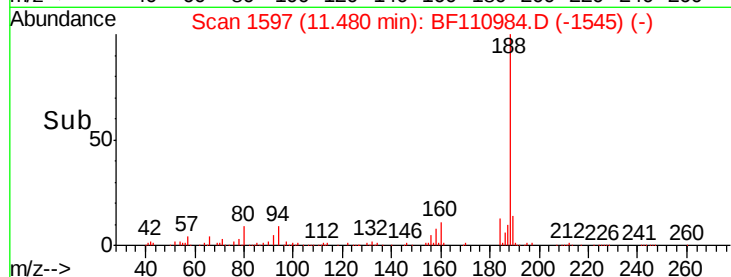
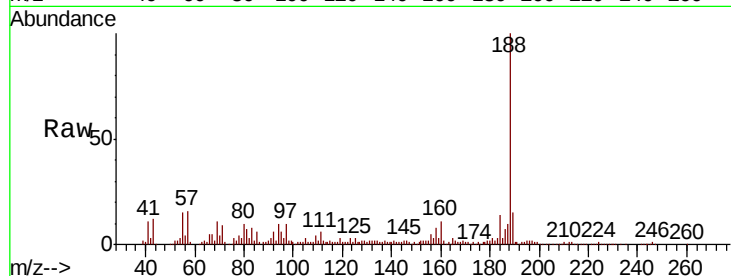
Tgt Ion:188 Resp: 143191

Ion Ratio Lower Upper

188 100

94 9.7 7.2 10.8

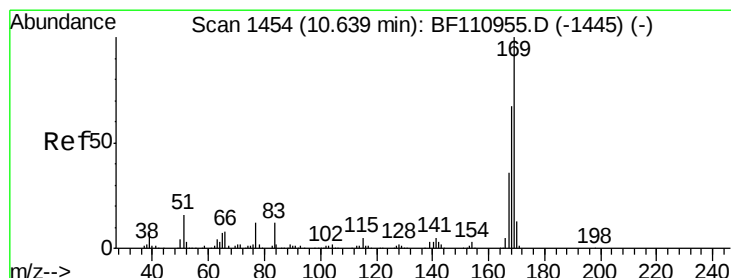
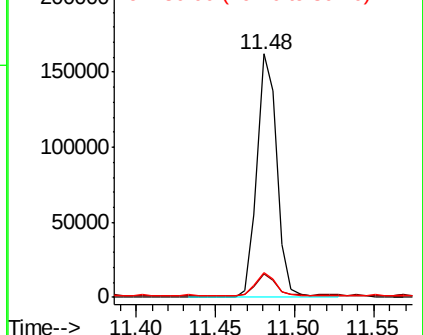
80 10.0 7.9 11.9



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: 11.855 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BF110984.D

Acq: 27 Nov 2018 00:41

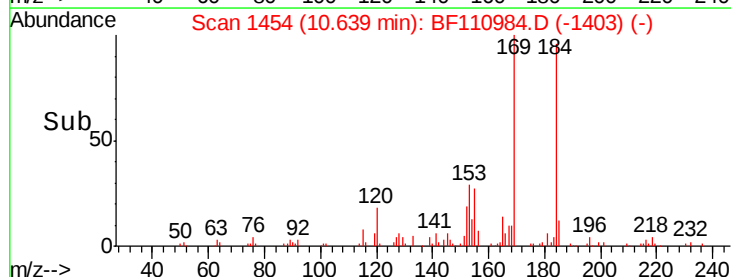
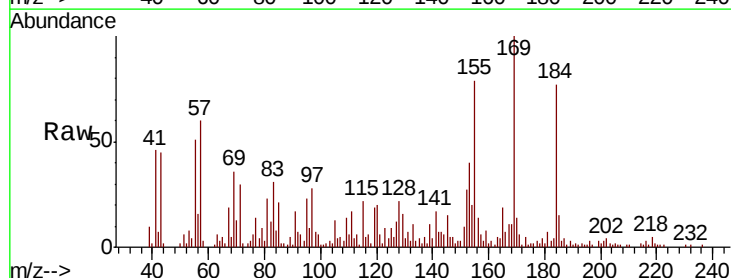
Tgt Ion:169 Resp: 56508

Ion Ratio Lower Upper

169 100

168 10.7 51.2 76.8#

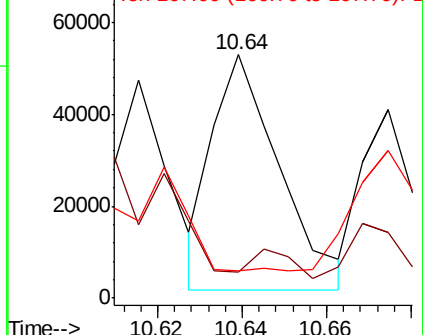
167 11.1 27.8 41.6#

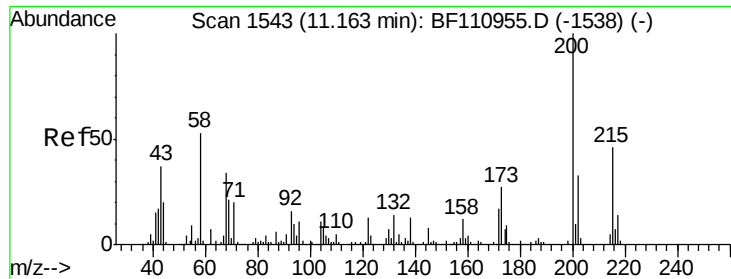


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

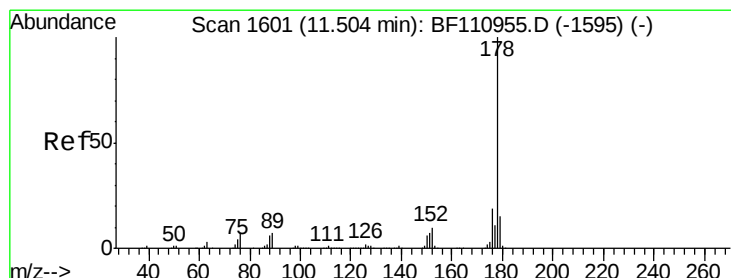
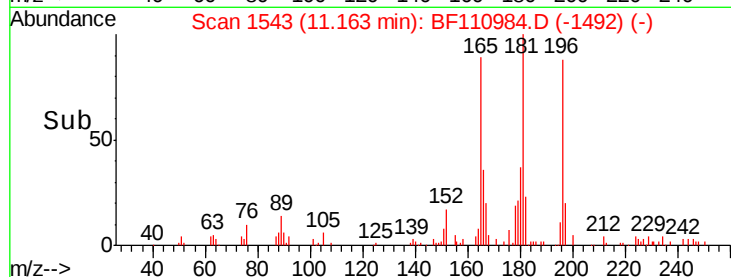
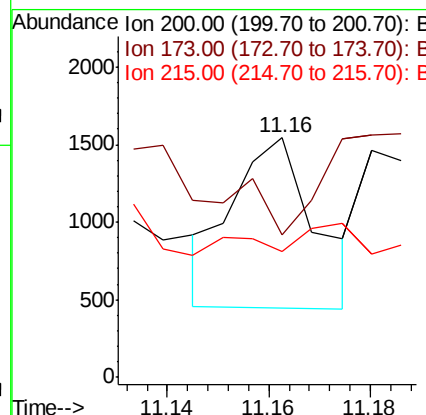
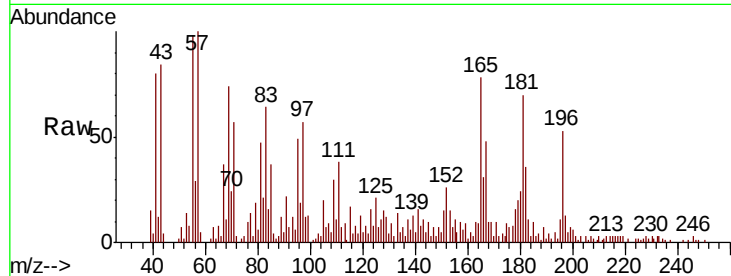




#69
Atrazine
Concen: 2.367 ng
RT: 11.16 min Scan# 1543
Delta R.T. 0.00 min
Lab File: BF110984.D
Acq: 27 Nov 2018 00:41

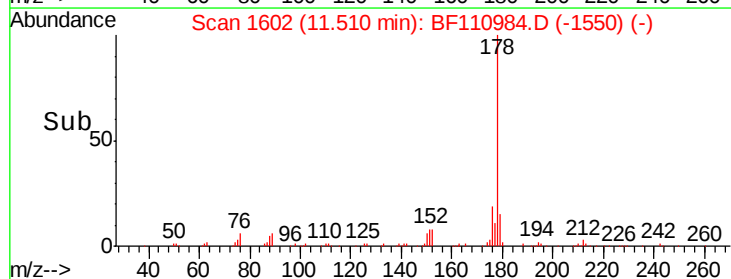
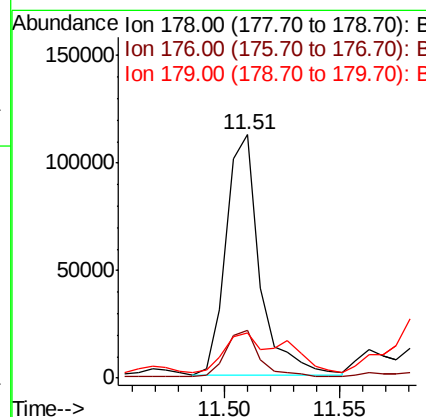
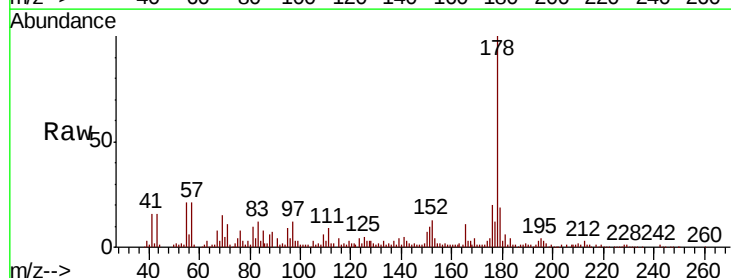
Instrument :
BNA_F
ClientSampleId :
NON-UST-03R-ADL

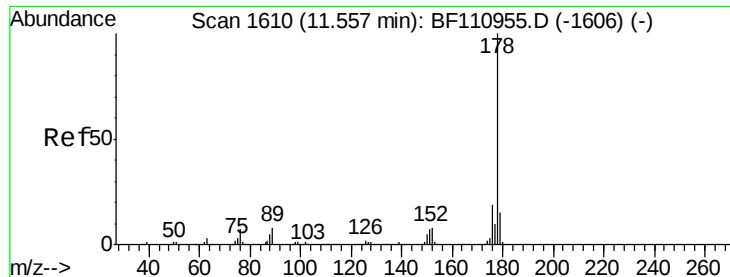
Tgt Ion:200 Resp: 1241
Ion Ratio Lower Upper
200 100
173 59.5 6.6 46.6#
215 52.6 26.3 66.3



#71
Phenanthrene
Concen: 14.889 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.01 min
Lab File: BF110984.D
Acq: 27 Nov 2018 00:41

Tgt Ion:178 Resp: 112915
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 18.7 12.5 18.7

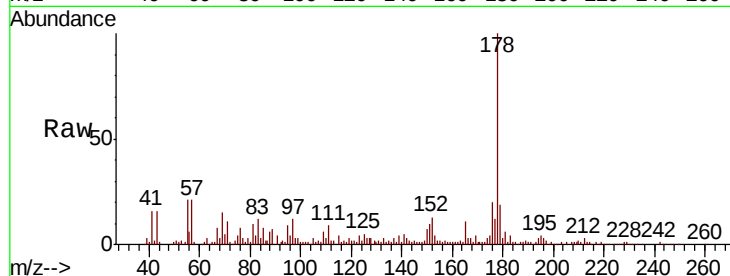




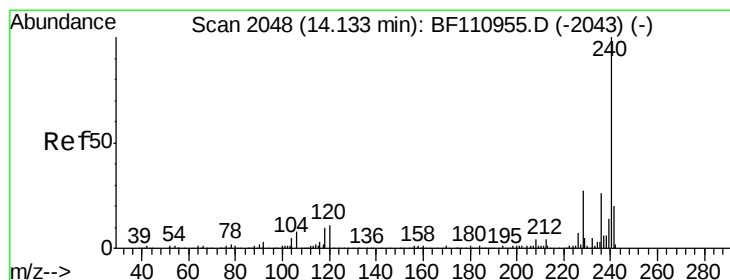
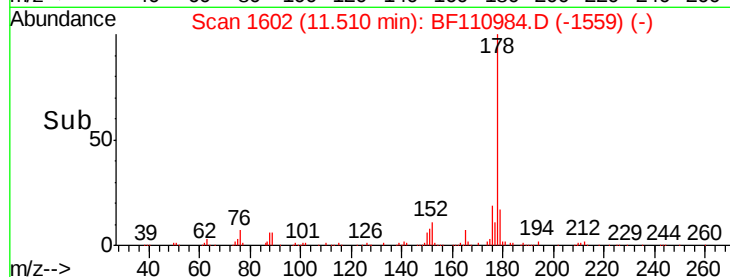
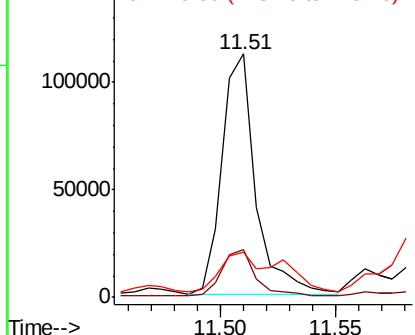
#72
 Anthracene
 Concen: 14.620 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.05 min
 Lab File: BF110984.D
 Acq: 27 Nov 2018 00:41

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

Tgt Ion:178 Resp: 112915
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.2
 179 18.7 12.6 18.8

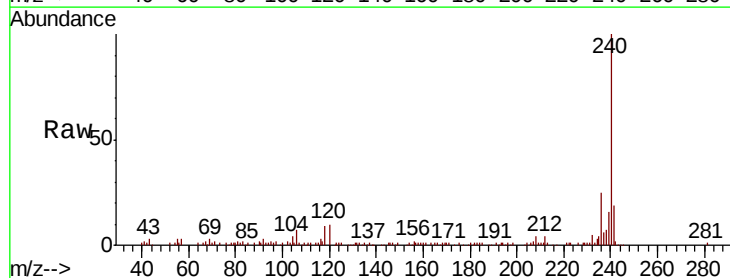


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

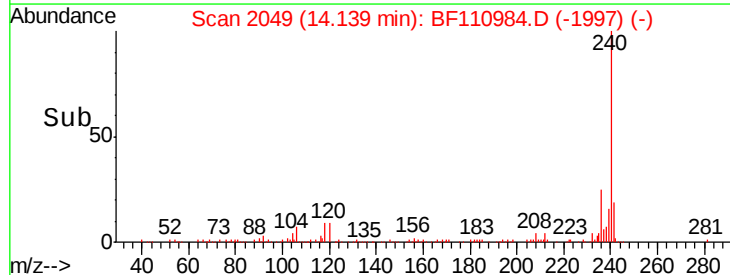
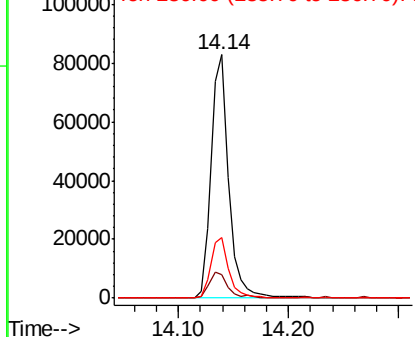


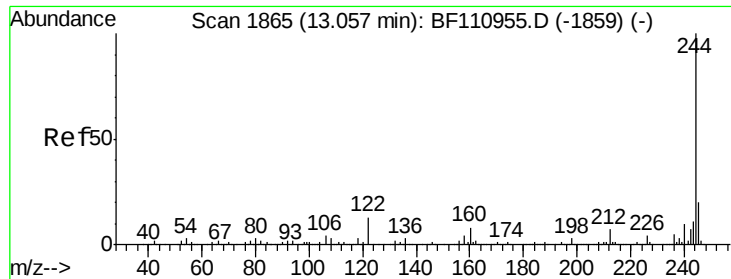
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.01 min
 Lab File: BF110984.D
 Acq: 27 Nov 2018 00:41

Tgt Ion:240 Resp: 90120
 Ion Ratio Lower Upper
 240 100
 120 9.7 8.3 12.5
 236 24.9 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: 22.543 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.00 min

Lab File: BF110984.D

Acq: 27 Nov 2018 00:41

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-ADL

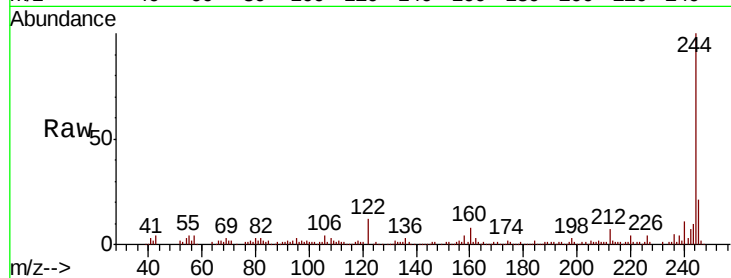
Tgt Ion:244 Resp: 104364

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

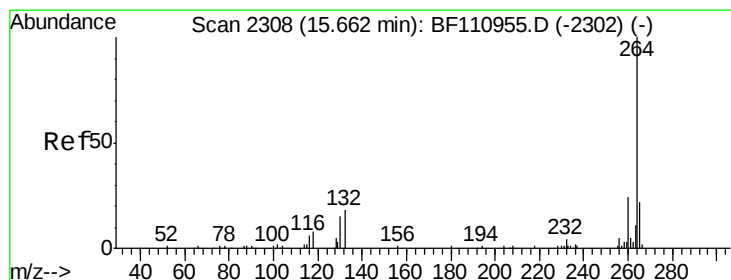
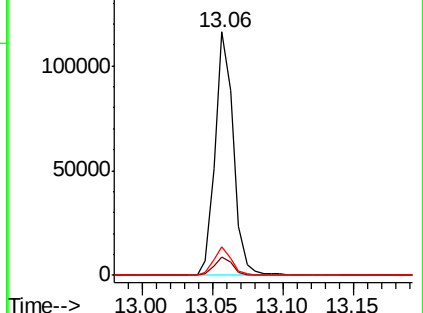
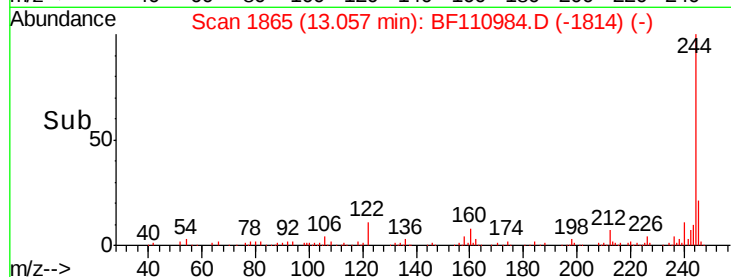
122 11.7 8.7 13.1



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: BF110984.D

Acq: 27 Nov 2018 00:41

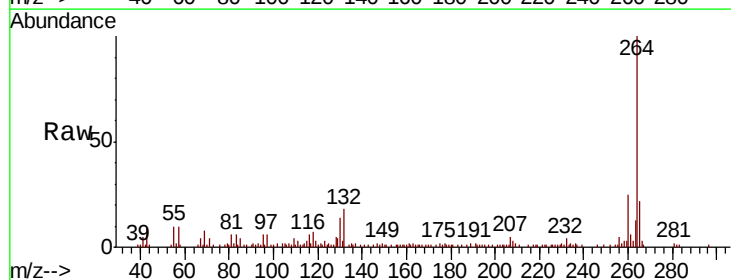
Tgt Ion:264 Resp: 69516

Ion Ratio Lower Upper

264 100

260 24.6 18.7 28.1

265 22.0 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

