

Data File : BF118688.D
Acq On : 24 Jan 2020 16:24
Operator : CG/JU
Sample : L1237-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PATERSON-UST

Quant Time: Jan 27 01:01:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 20 14:45:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	278508	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	981848	20.00	ng	-0.02
39) Acenaphthene-d10	9.91	164	414465	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	743565	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	604920	20.00	ng	-0.03
87) Perylene-d12	15.47	264	655949	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1464198	97.64	ng	-0.02
7) Phenol-d6	6.49	99	1806603	92.69	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1140689	64.98	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	506939	105.75	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	1857098	73.65	ng	-0.02
79) Terphenyl-d14	12.97	244	2175515	78.44	ng	-0.02

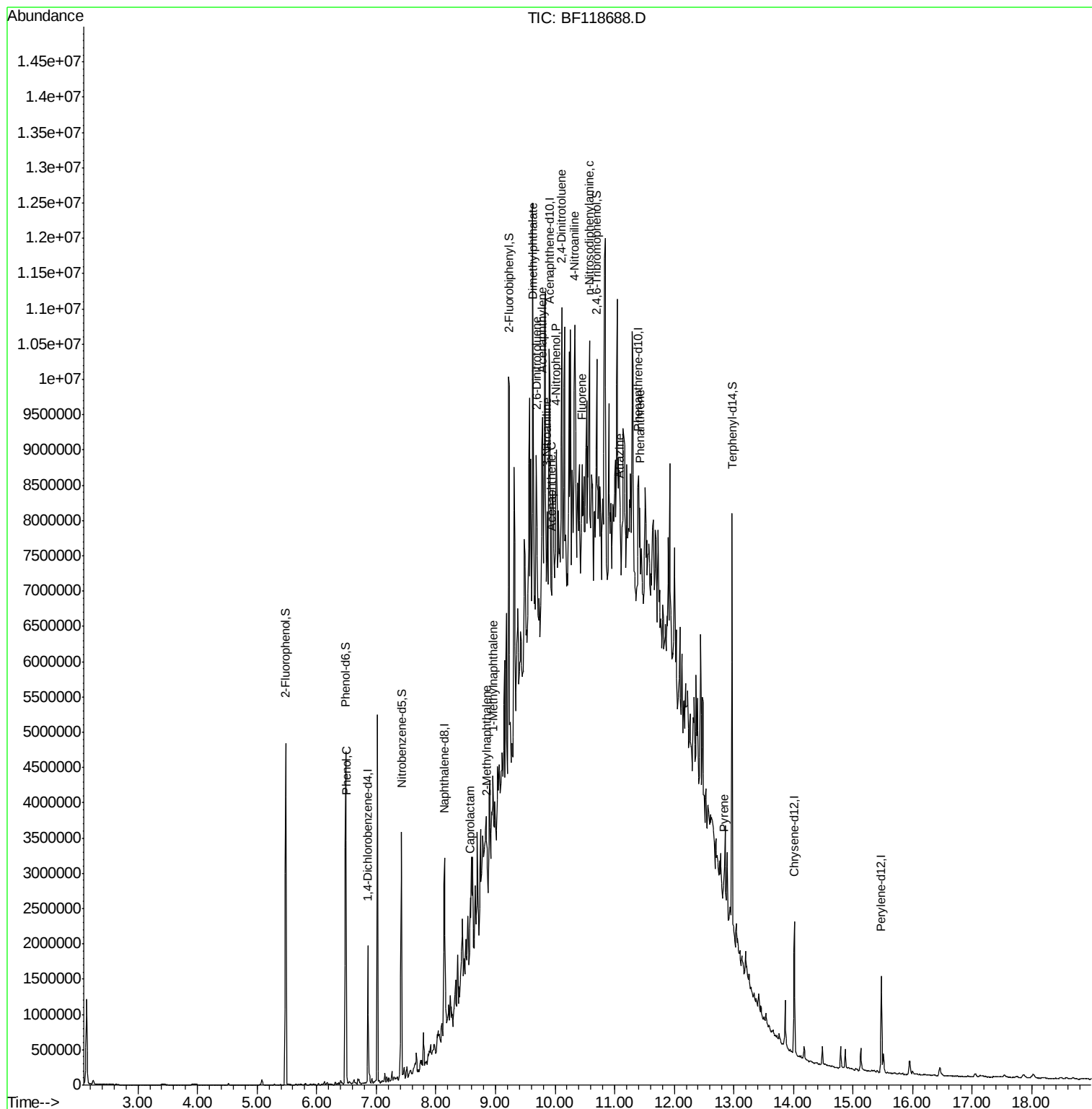
Target Compounds				Qvalue		
10) Phenol	6.50	94	53667	2.416	ng	97
35) Caprolactam	8.58	113	25606	5.348	ng	# 1
37) 2-Methylnaphthalene	8.86	142	85557	2.733	ng	# 92
38) 1-Methylnaphthalene	8.96	142	135167	4.544	ng	# 98
49) Acenaphthylene	9.78	152	70453	2.080	ng	# 1
50) Dimethylphthalate	9.62	163	340679	12.616	ng	# 88
51) 2,6-Dinitrotoluene	9.69	165	27602	4.565	ng	# 64
52) Acenaphthene	9.94	154	70058	3.093	ng	# 79
53) 3-Nitroaniline	9.87	138	53086	7.689	ng	# 16
56) 4-Nitrophenol	10.02	139	59996	11.511	ng	# 1
57) 2,4-Dinitrotoluene	10.12	165	57112	7.492	ng	# 58
58) Fluorene	10.46	166	119331	4.843	ng	# 67
62) 4-Nitroaniline	10.33	138	36212	5.113	ng	83
66) n-Nitrosodiphenylamine	10.57	169	555191	24.759	ng	# 43
69) Atrazine	11.10	200	17298	2.226	ng	# 1
71) Phenanthrene	11.42	178	593874	16.555	ng	# 90
78) Pyrene	12.83	202	155919	3.797	ng	93

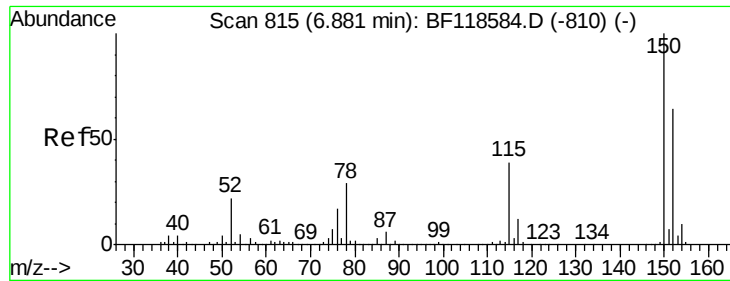
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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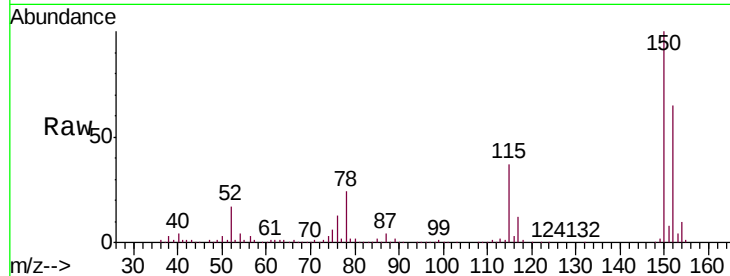




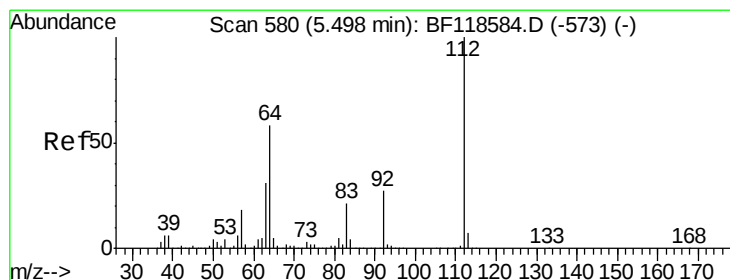
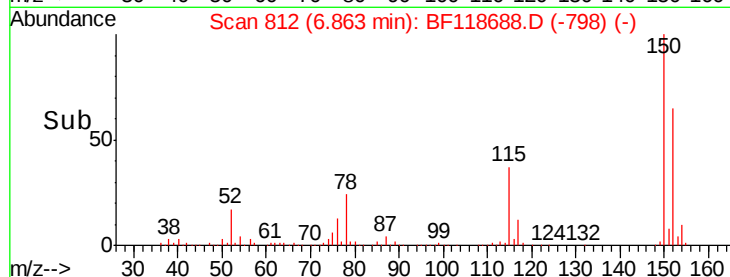
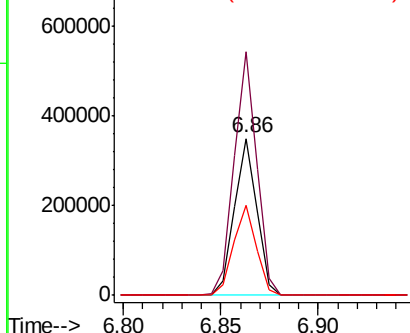
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BF118688.D
 Acq: 24 Jan 2020 16:24

Instrument :
 BNA_F
 ClientSampleId :
 PATERSON-UST

Tgt Ion:152 Resp: 278508
 Ion Ratio Lower Upper
 152 100
 150 154.9 125.6 188.4
 115 57.0 48.4 72.6

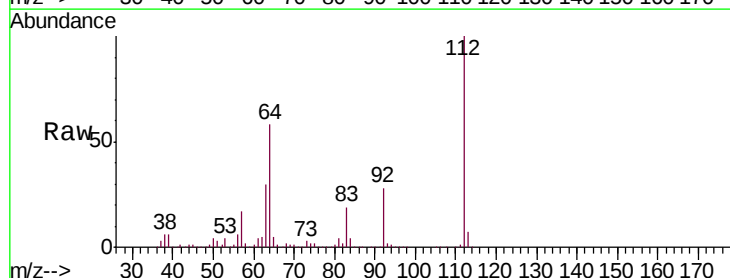


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

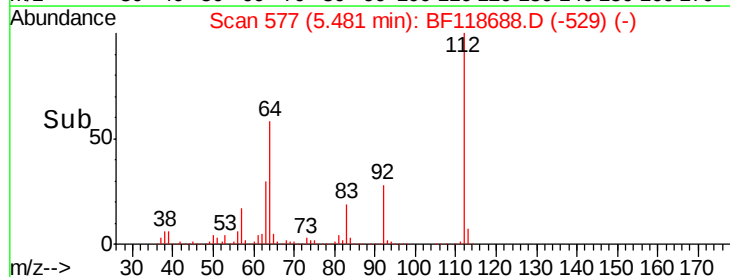
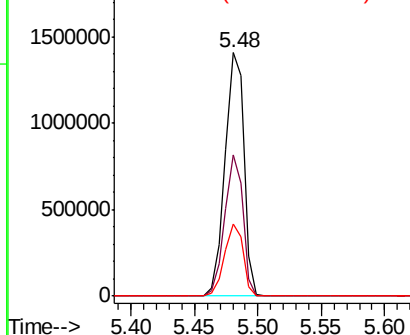


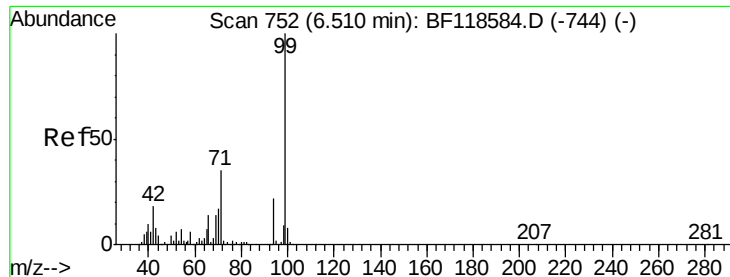
#5
 2-Fluorophenol
 Concen: 97.641 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.02 min
 Lab File: BF118688.D
 Acq: 24 Jan 2020 16:24

Tgt Ion:112 Resp: 1464198
 Ion Ratio Lower Upper
 112 100
 64 57.8 46.6 70.0
 63 29.7 25.1 37.7



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: 92.691 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF118688.D

Acq: 24 Jan 2020 16:24

Instrument :

BNA_F

ClientSampleId :

PATERSON-UST

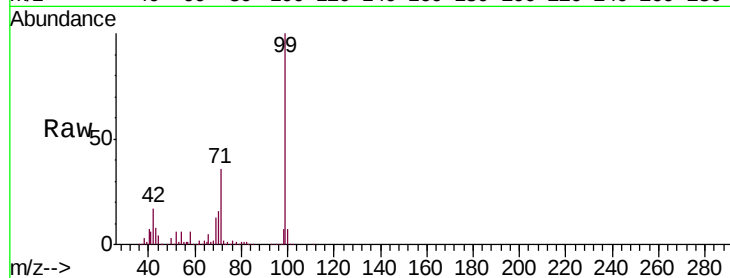
Tgt Ion: 99 Resp: 1806603

Ion Ratio Lower Upper

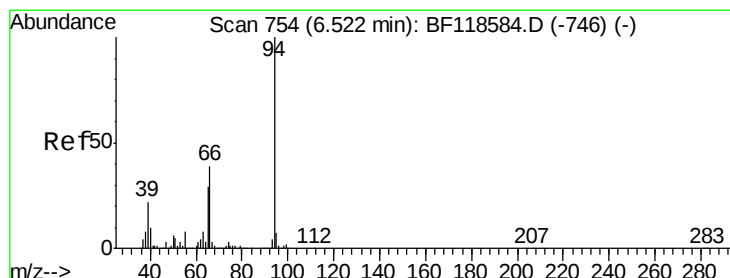
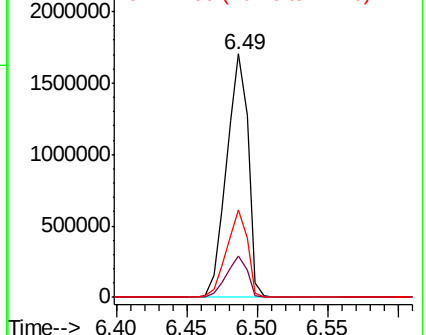
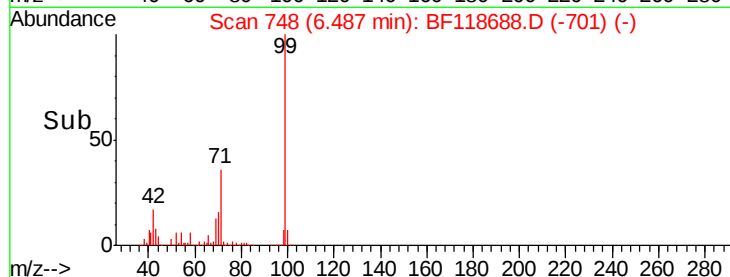
99 100

42 17.1 14.2 21.2

71 36.1 27.8 41.6



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



#10

Phenol

Concen: 2.416 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF118688.D

Acq: 24 Jan 2020 16:24

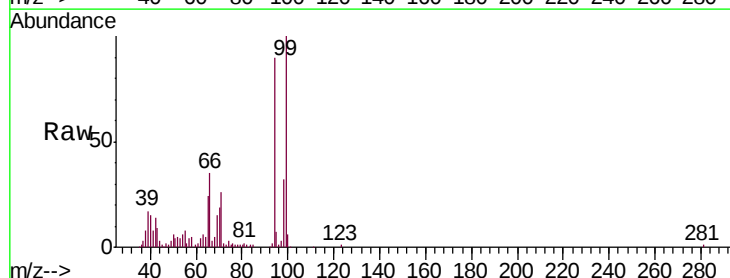
Tgt Ion: 94 Resp: 53667

Ion Ratio Lower Upper

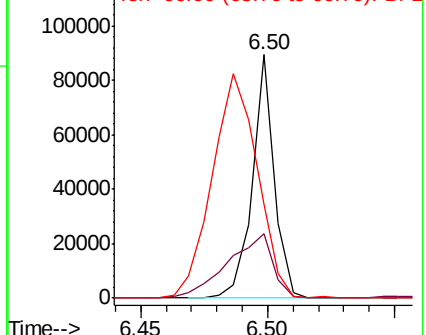
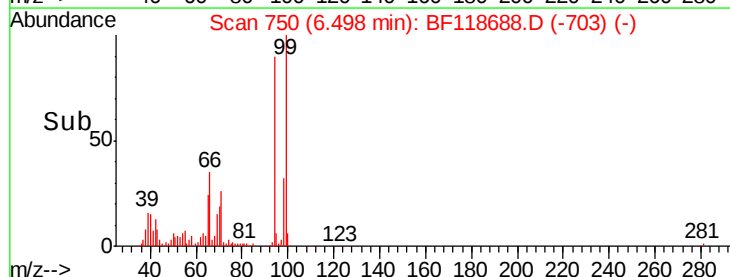
94 100

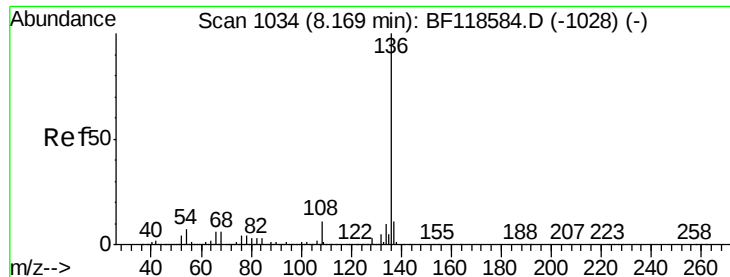
65 26.3 9.5 49.5

66 38.4 18.5 58.5



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

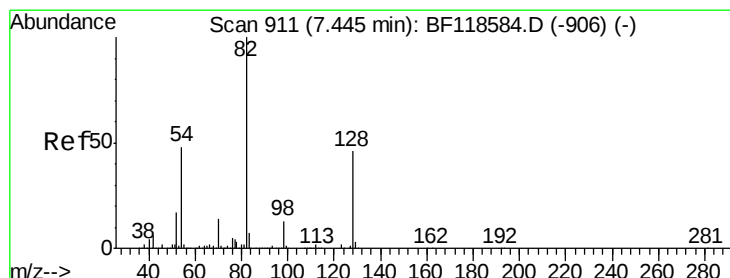
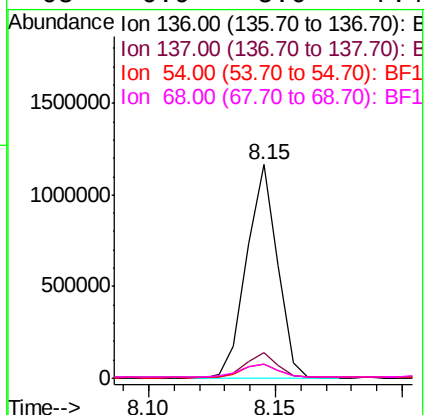
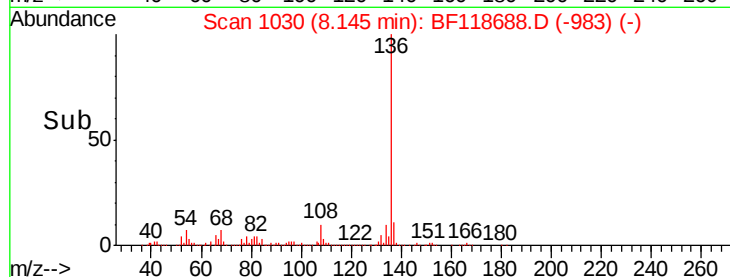
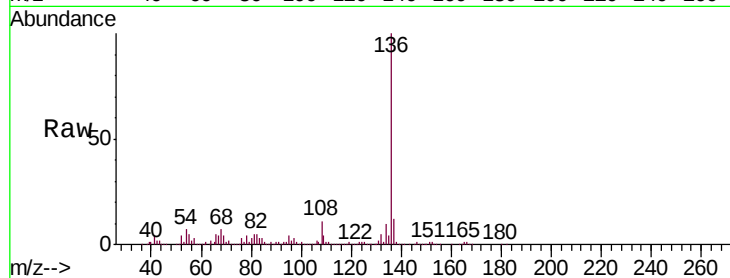




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.02 min
Lab File: BF118688.D
Acq: 24 Jan 2020 16:24

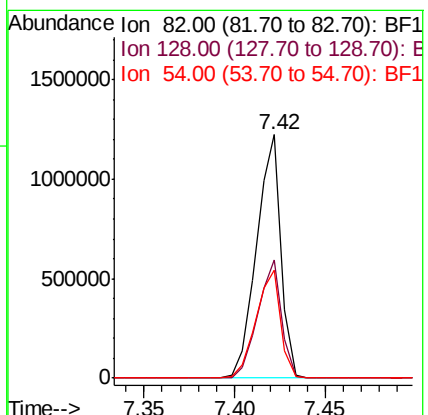
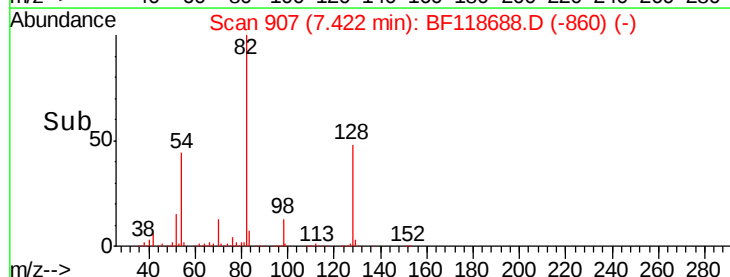
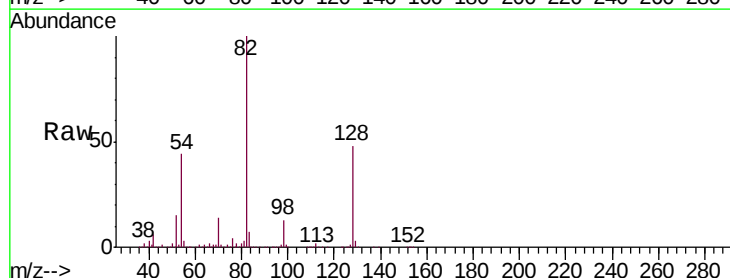
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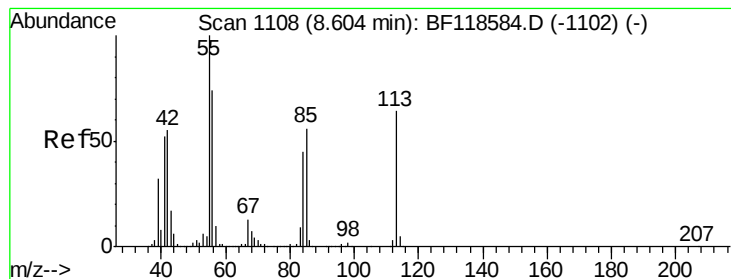
Tgt Ion:	136	Resp:	981848
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	6.9	5.8	8.6
68	6.9	5.0	7.4



#23
Nitrobenzene-d5
Concen: 64.983 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF118688.D
Acq: 24 Jan 2020 16:24

Tgt Ion:	82	Resp:	1140689
Ion	Ratio	Lower	Upper
82	100		
128	48.4	36.6	54.8
54	44.1	38.0	57.0





#35

Caprolactam

Concen: 5.348 ng

RT: 8.58 min Scan# 1104

Delta R.T. -0.02 min

Lab File: BF118688.D

Acq: 24 Jan 2020 16:24

Instrument :

BNA_F

ClientSampleId :

PATERSON-UST

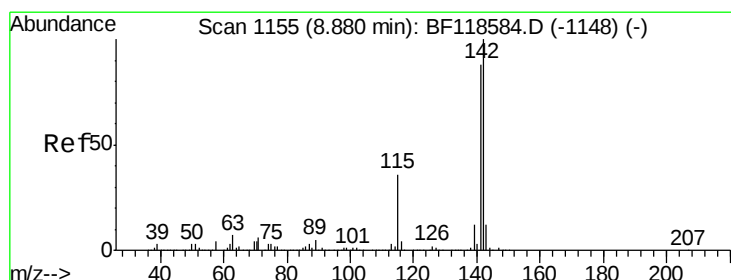
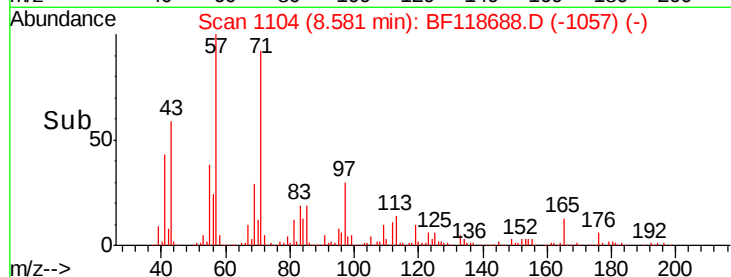
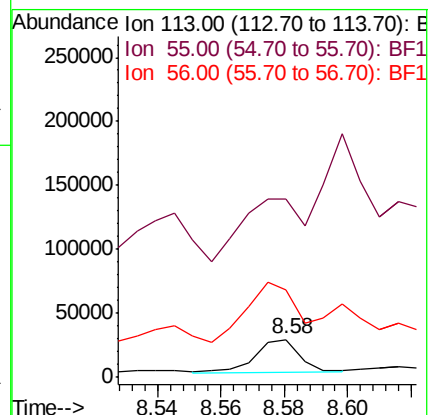
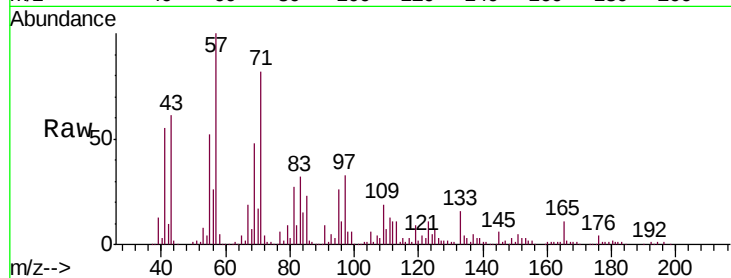
Tgt Ion:113 Resp: 25606

Ion Ratio Lower Upper

113 100

55 472.1 136.1 176.1#

56 233.1 95.2 135.2#



#37

2-Methylnaphthalene

Concen: 2.733 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.02 min

Lab File: BF118688.D

Acq: 24 Jan 2020 16:24

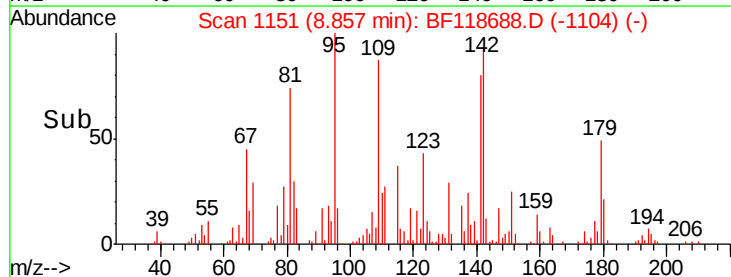
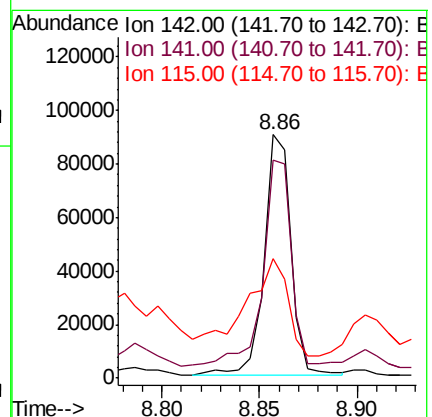
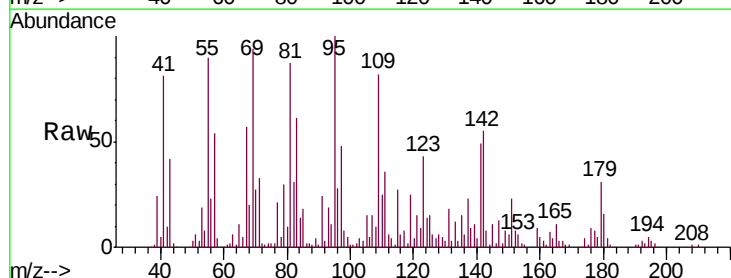
Tgt Ion:142 Resp: 85557

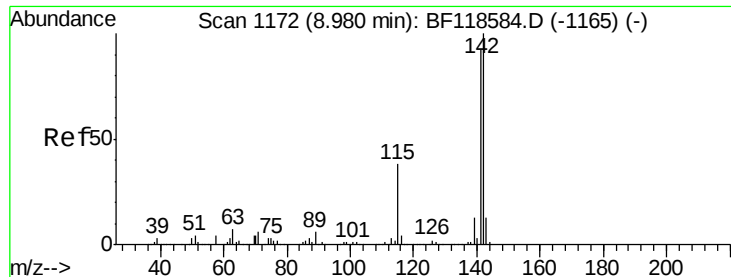
Ion Ratio Lower Upper

142 100

141 89.8 70.7 106.1

115 48.9 28.5 42.7#

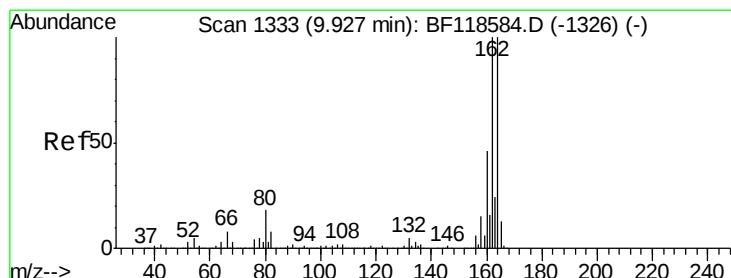
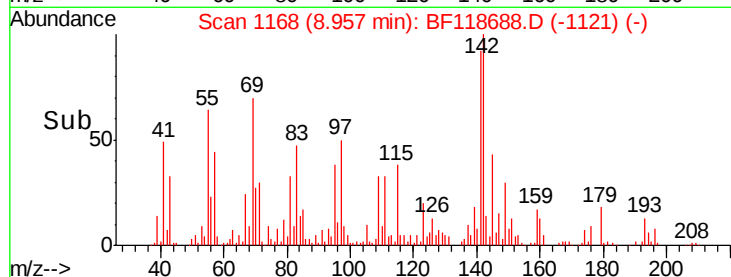
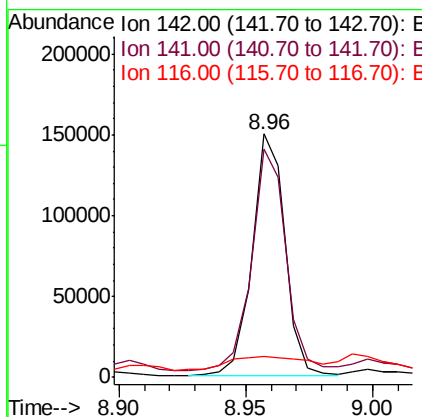
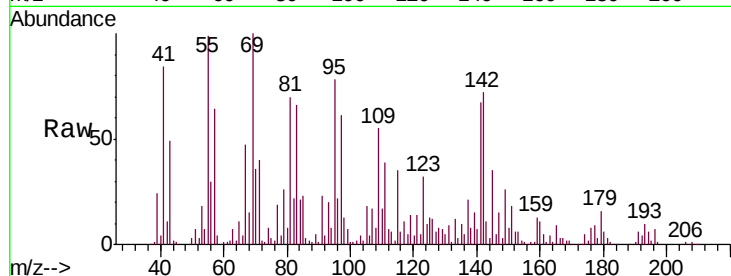




#38
 1-Methylnaphthalene
 Concen: 4.544 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.02 min
 Lab File: BF118688.D
 Acq: 24 Jan 2020 16:24

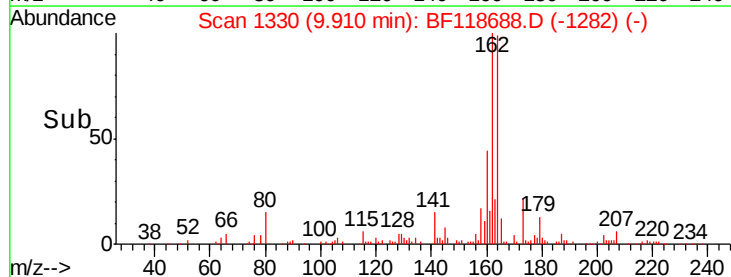
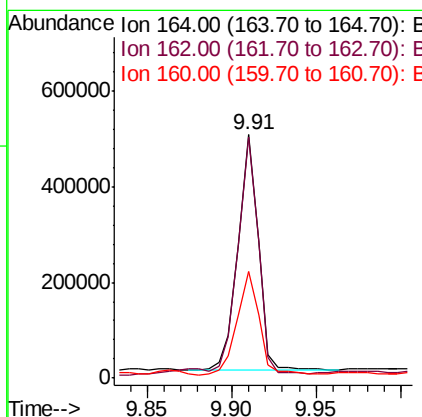
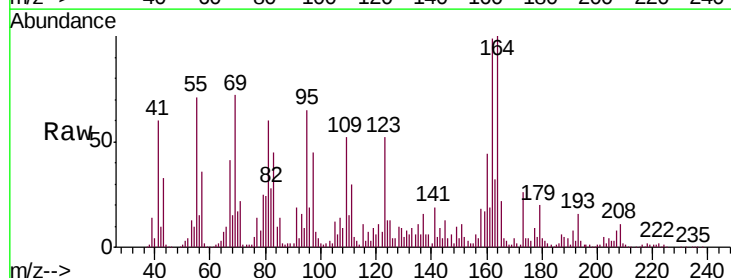
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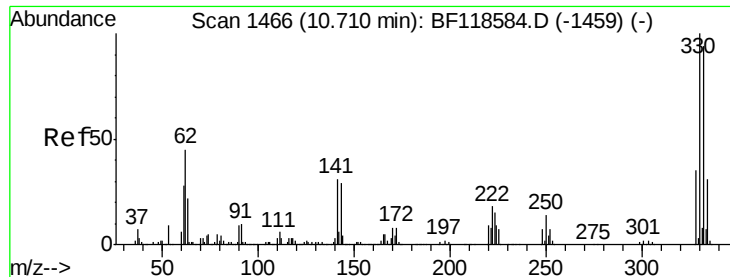
Tgt Ion:142 Resp: 135167
 Ion Ratio Lower Upper
 142 100
 141 93.7 73.4 110.2
 116 8.7 3.3 4.9#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.02 min
 Lab File: BF118688.D
 Acq: 24 Jan 2020 16:24

Tgt Ion:164 Resp: 414465
 Ion Ratio Lower Upper
 164 100
 162 99.1 80.4 120.6
 160 44.0 36.6 55.0

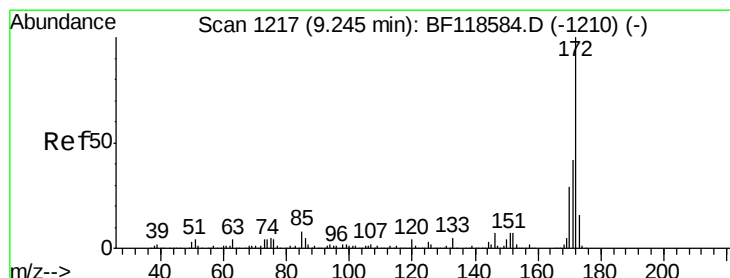
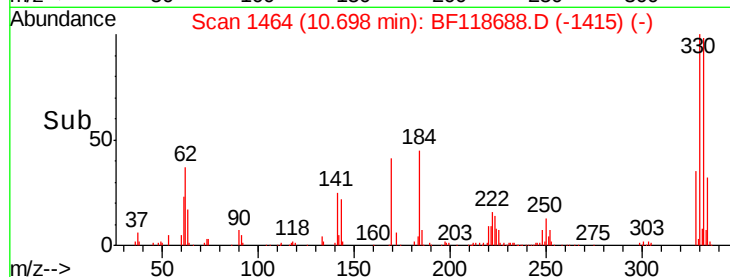
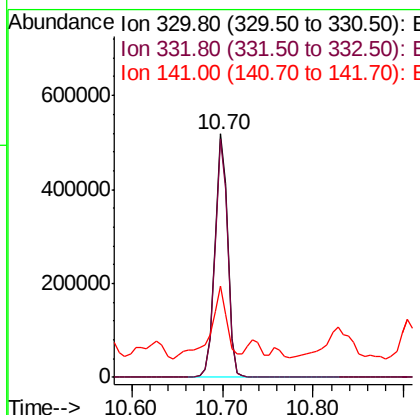
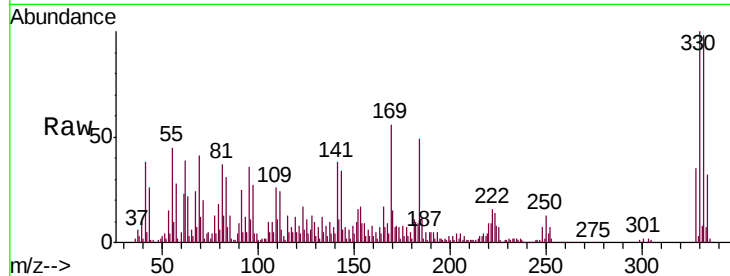




#42
 2,4,6-Tribromophenol
 Concen: 105.748 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF118688.D
 Acq: 24 Jan 2020 16:24

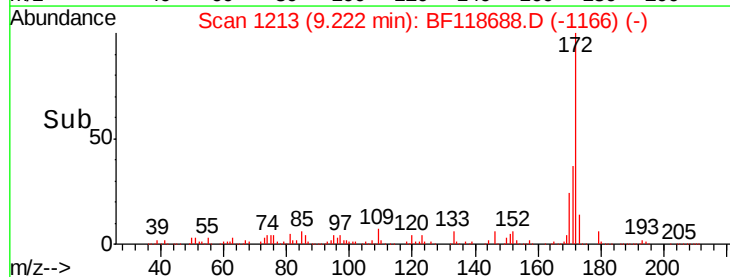
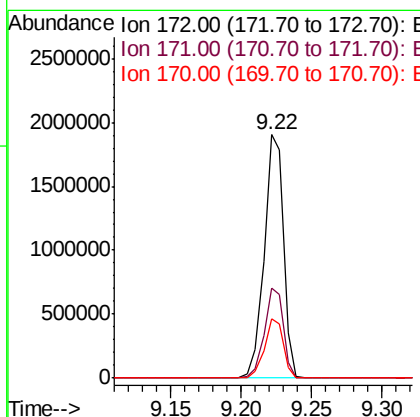
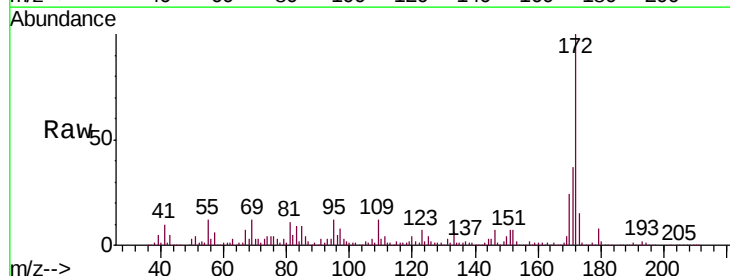
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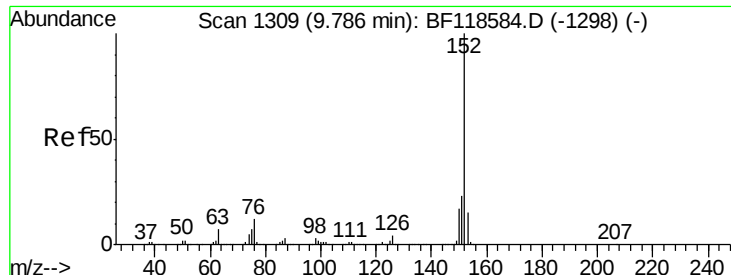
Tgt Ion:330 Resp: 506939
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.2 114.4
 141 38.6 23.9 35.9#



#45
 2-Fluorobiphenyl
 Concen: 73.646 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.02 min
 Lab File: BF118688.D
 Acq: 24 Jan 2020 16:24

Tgt Ion:172 Resp: 1857098
 Ion Ratio Lower Upper
 172 100
 171 37.2 33.4 50.2
 170 24.4 23.2 34.8





#49

Acenaphthylene

Concen: 2.080 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF118688.D

Acq: 24 Jan 2020 16:24

Instrument :

BNA_F

ClientSampleId :

PATERSON-UST

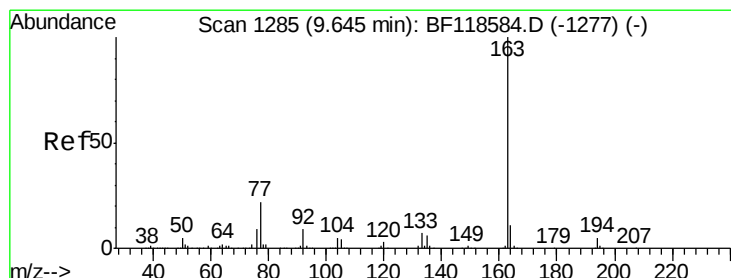
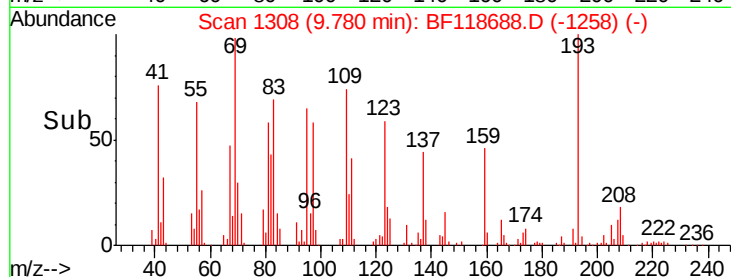
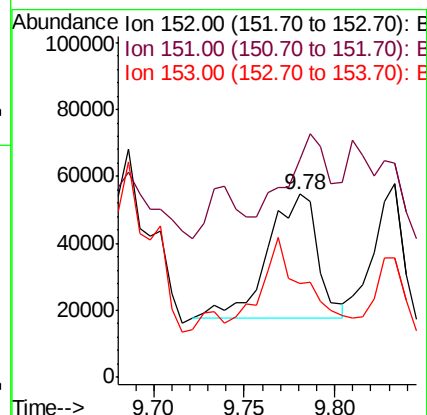
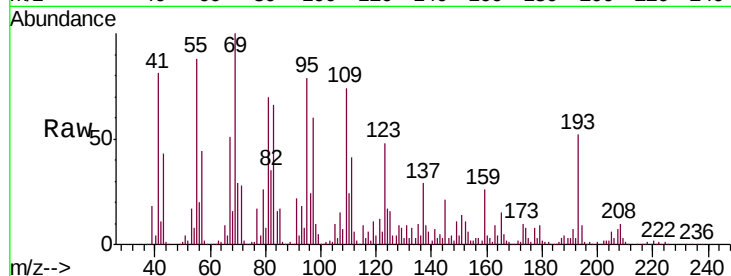
Tgt Ion:152 Resp: 70453

Ion Ratio Lower Upper

152 100

151 119.1 18.6 27.8#

153 50.9 12.2 18.4#



#50

Dimethylphthalate

Concen: 12.616 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.03 min

Lab File: BF118688.D

Acq: 24 Jan 2020 16:24

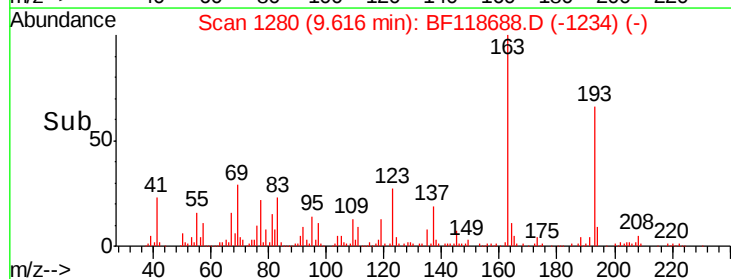
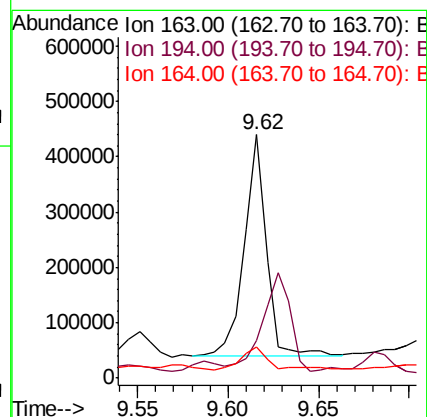
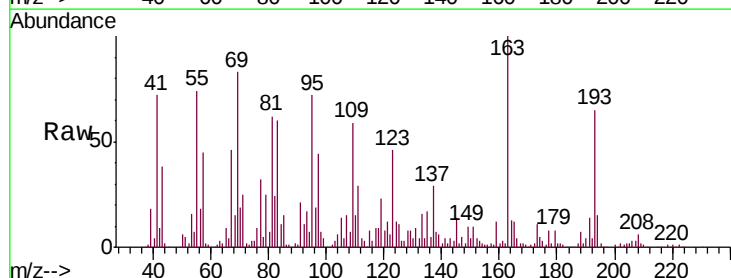
Tgt Ion:163 Resp: 340679

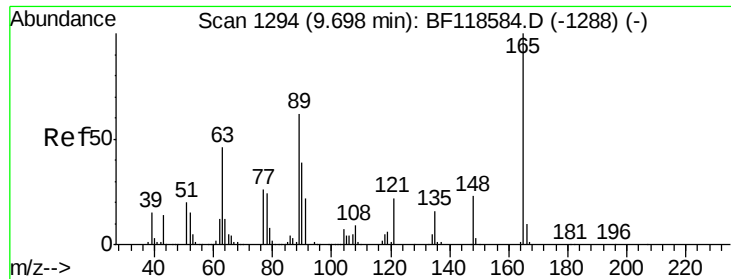
Ion Ratio Lower Upper

163 100

194 15.3 3.9 5.9#

164 12.8 9.1 13.7

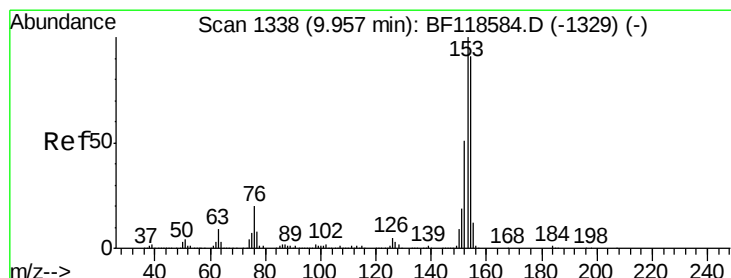
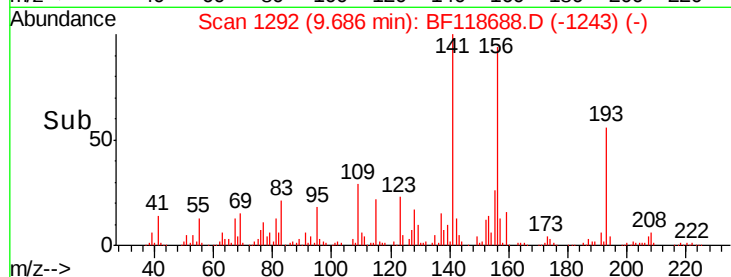
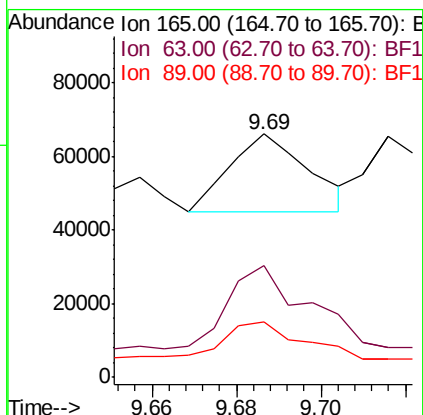
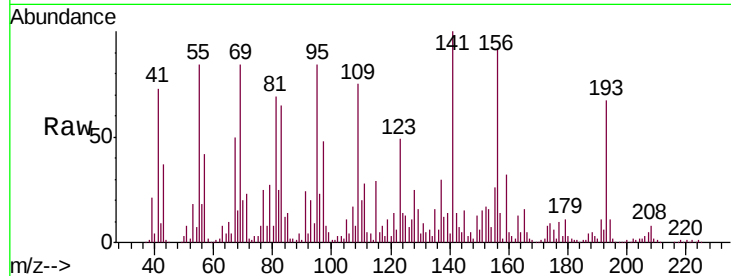




#51
 2,6-Dinitrotoluene
 Concen: 4.565 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BF118688.D
 Acq: 24 Jan 2020 16:24

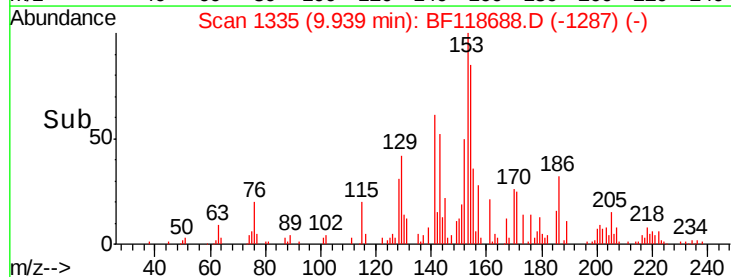
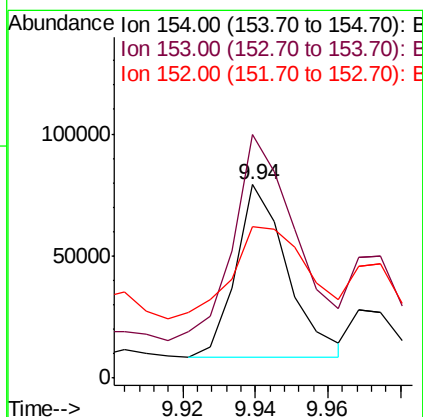
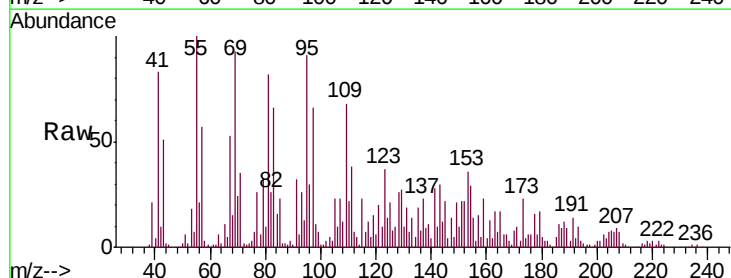
Instrument :
 BNA_F
 ClientSampleId :
 PATERSON-UST

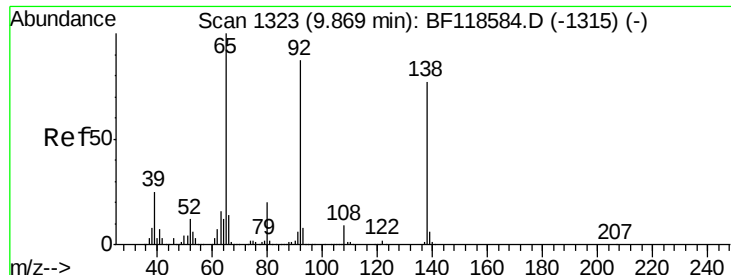
Tgt Ion	Ratio	Lower	Upper
165	100		
63	46.0	48.9	73.3#
89	22.9	49.8	74.6#



#52
 Acenaphthene
 Concen: 3.093 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.02 min
 Lab File: BF118688.D
 Acq: 24 Jan 2020 16:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	126.0	87.6	131.4
152	78.1	44.4	66.6#

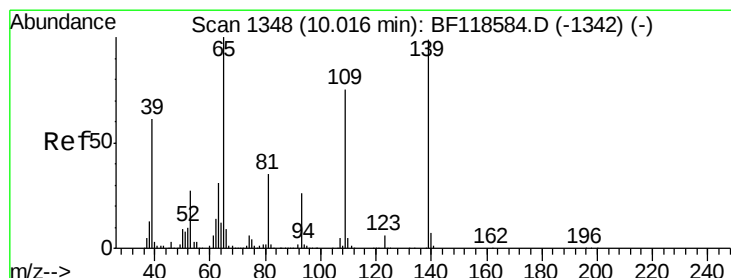
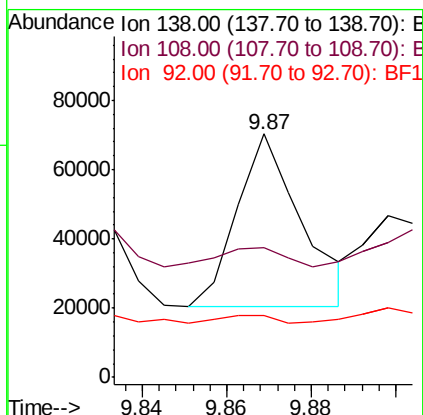
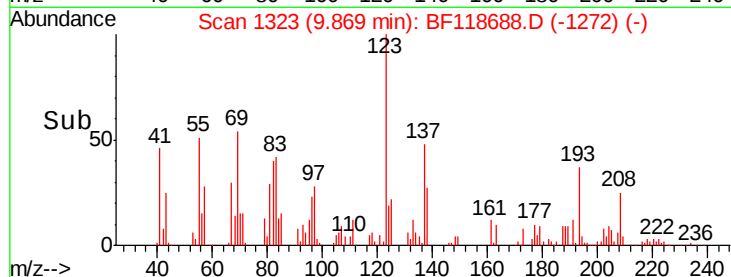
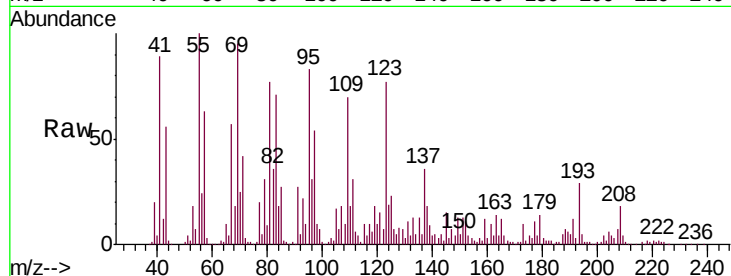




#53
 3-Nitroaniline
 Concen: 7.689 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: BF118688.D
 Acq: 24 Jan 2020 16:24

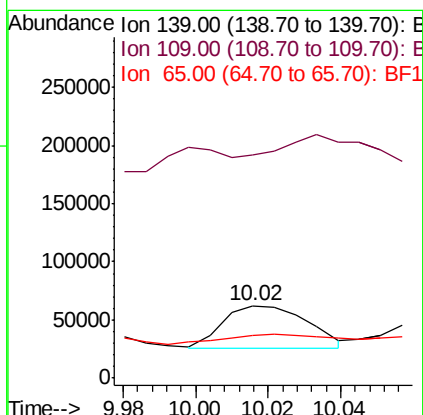
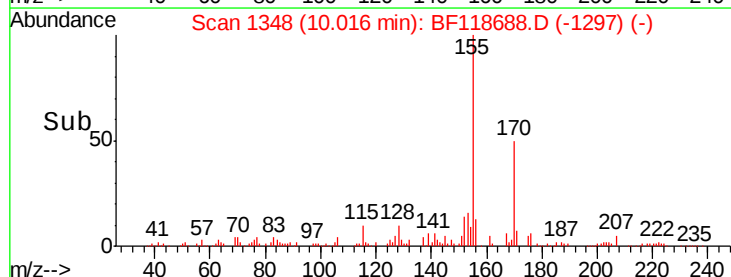
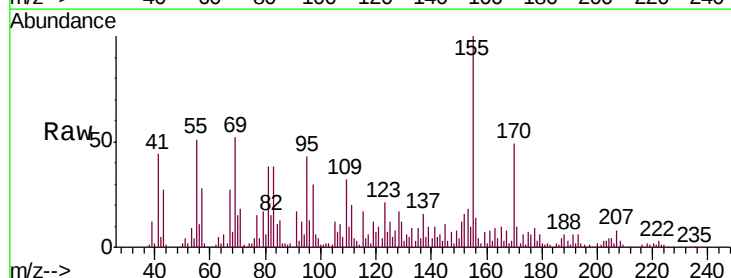
Instrument :
 BNA_F
 ClientSampleId :
 PATERSON-UST

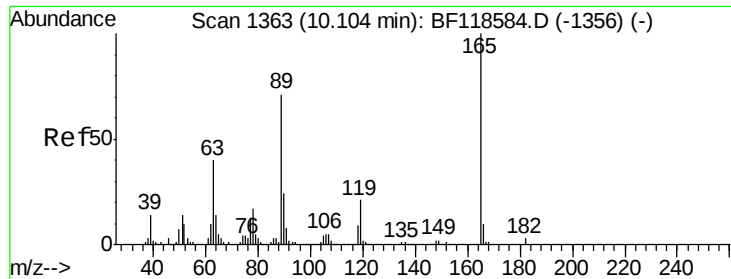
Tgt Ion:138 Resp: 53086
 Ion Ratio Lower Upper
 138 100
 108 53.1 9.6 14.4#
 92 25.6 90.6 136.0#



#56
 4-Nitrophenol
 Concen: 11.511 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: BF118688.D
 Acq: 24 Jan 2020 16:24

Tgt Ion:139 Resp: 59996
 Ion Ratio Lower Upper
 139 100
 109 310.0 56.0 96.0#
 65 58.4 81.4 121.4#





#57

2,4-Dinitrotoluene

Concen: 7.492 ng

RT: 10.12 min Scan# 1365

Delta R.T. 0.01 min

Lab File: BF118688.D

Acq: 24 Jan 2020 16:24

Instrument :

BNA_F

ClientSampleId :

PATERSON-UST

Tgt Ion:165 Resp: 57112

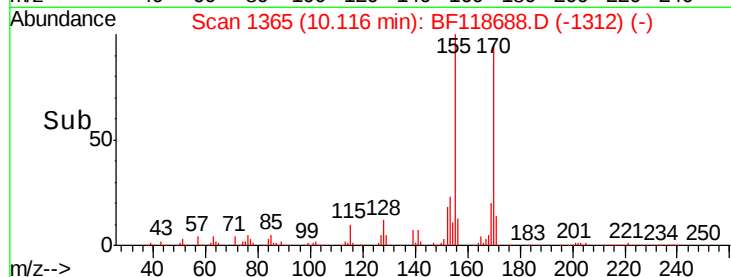
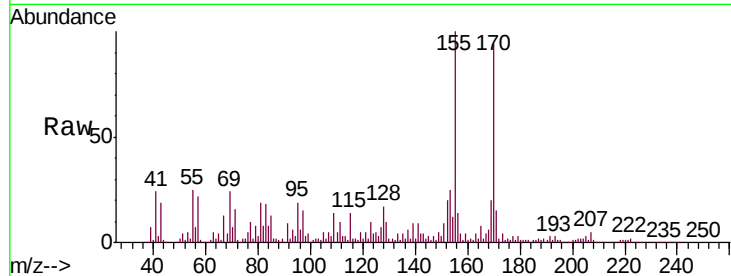
Ion Ratio Lower Upper

165 100

63 56.9 32.4 48.6#

89 28.0 56.4 84.6#

182 6.5 2.3 3.5#

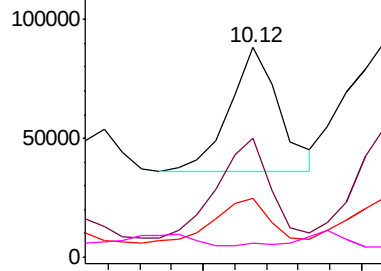


Abundance Ion 165.00 (164.70 to 165.70): E

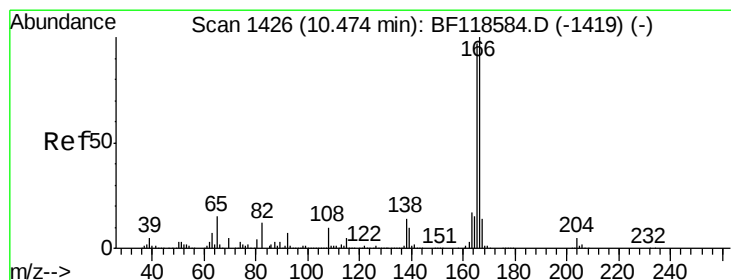
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->



#58

Fluorene

Concen: 4.843 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.02 min

Lab File: BF118688.D

Acq: 24 Jan 2020 16:24

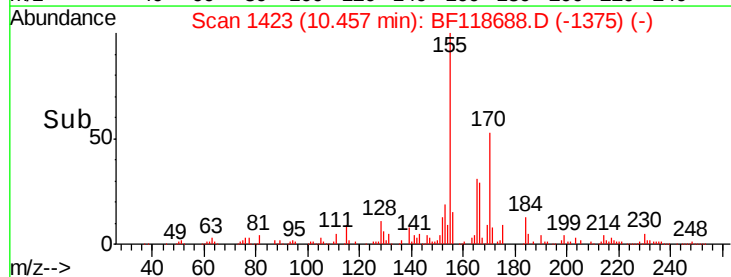
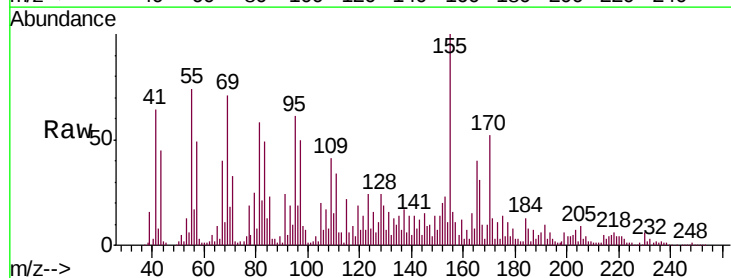
Tgt Ion:166 Resp: 119331

Ion Ratio Lower Upper

166 100

165 127.8 77.3 115.9#

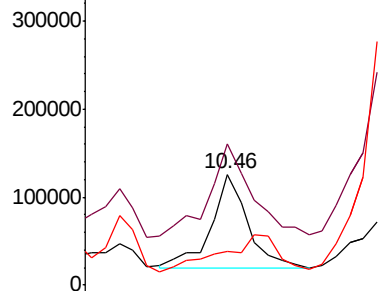
167 30.9 11.5 17.3#



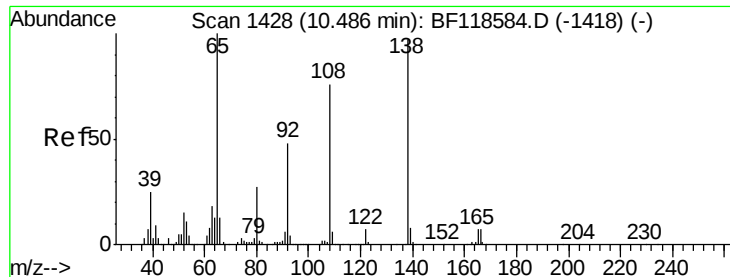
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



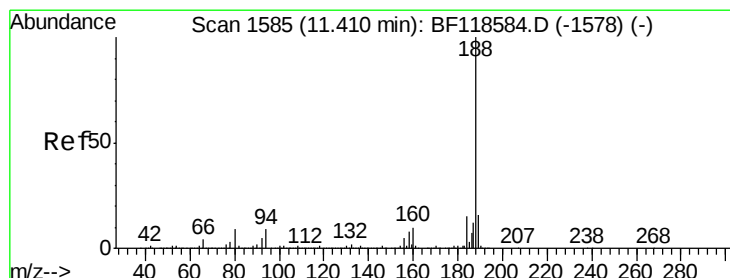
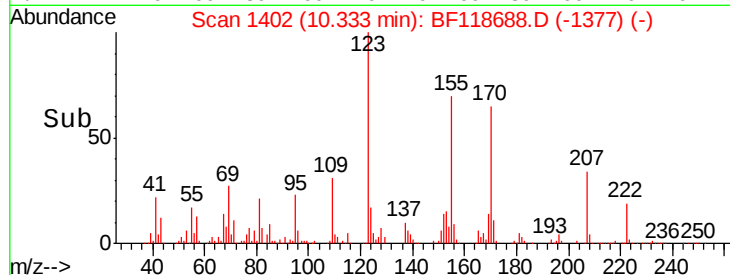
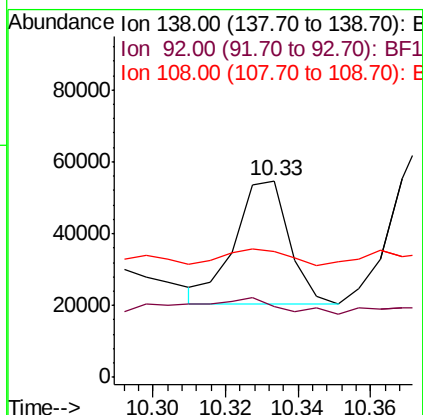
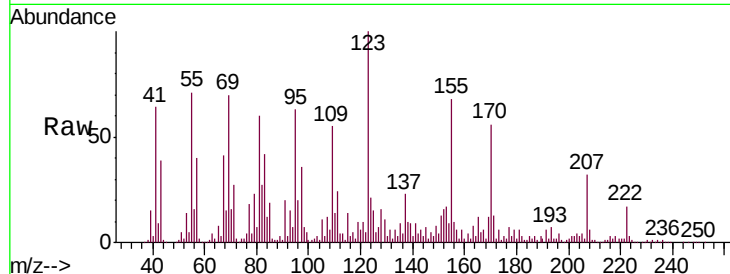
Time-->



#62
4-Nitroaniline
Concen: 5.113 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.15 min
Lab File: BF118688.D
Acq: 24 Jan 2020 16:24

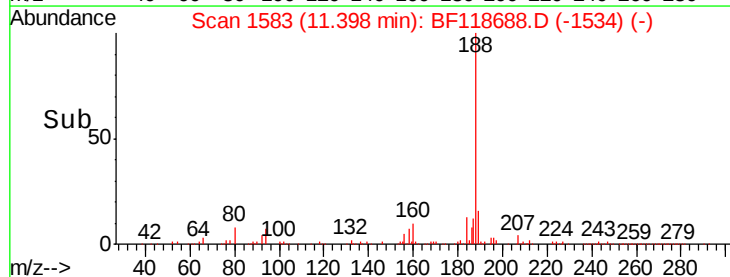
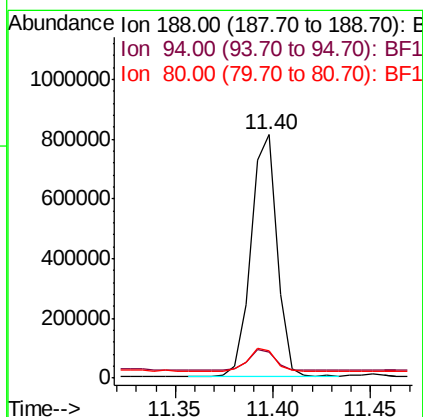
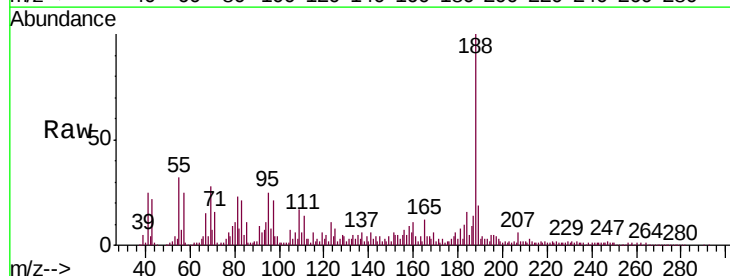
Instrument :
BNA_F
ClientSampleId :
PATERSON-UST

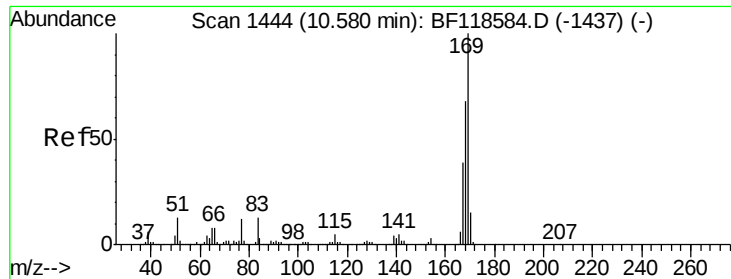
Tgt Ion:138 Resp: 36212
Ion Ratio Lower Upper
138 100
92 35.9 29.4 69.4
108 64.2 58.2 98.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF118688.D
Acq: 24 Jan 2020 16:24

Tgt Ion:188 Resp: 743565
Ion Ratio Lower Upper
188 100
94 10.9 7.1 10.7#
80 11.1 7.5 11.3





#66

n-Nitrosodiphenylamine

Concen: 24.759 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BF118688.D

Acq: 24 Jan 2020 16:24

Instrument :

BNA_F

ClientSampleId :

PATERSON-UST

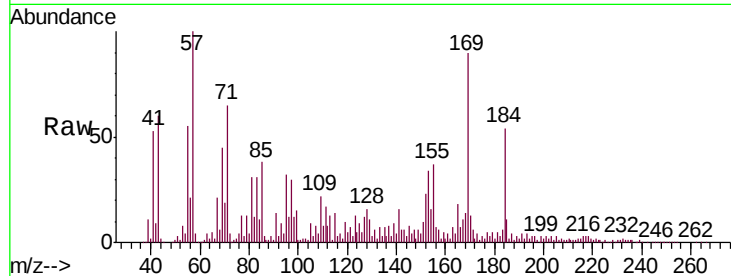
Tgt Ion:169 Resp: 555191

Ion Ratio Lower Upper

169 100

168 15.7 54.6 82.0#

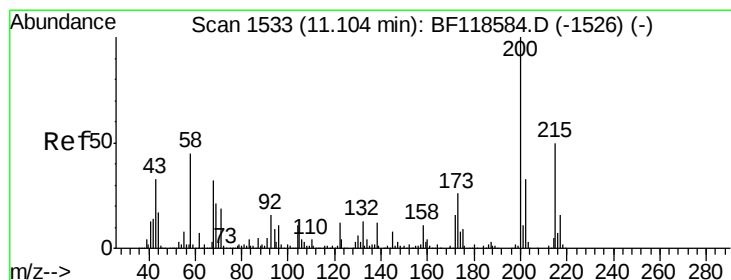
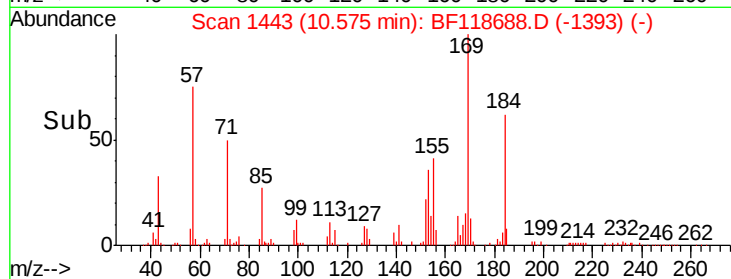
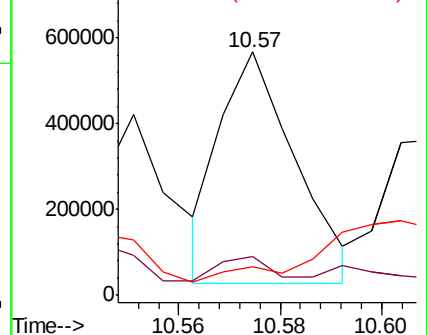
167 11.8 30.9 46.3#



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: 2.226 ng

RT: 11.10 min Scan# 1532

Delta R.T. -0.01 min

Lab File: BF118688.D

Acq: 24 Jan 2020 16:24

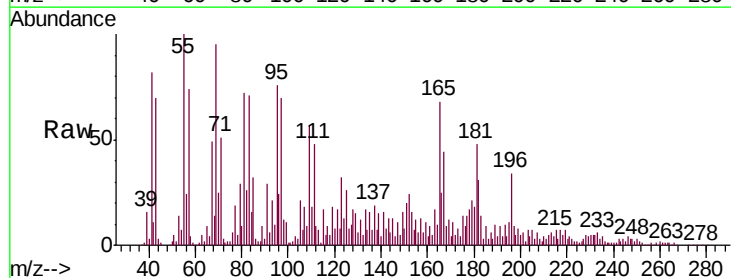
Tgt Ion:200 Resp: 17298

Ion Ratio Lower Upper

200 100

173 166.3 6.3 46.3#

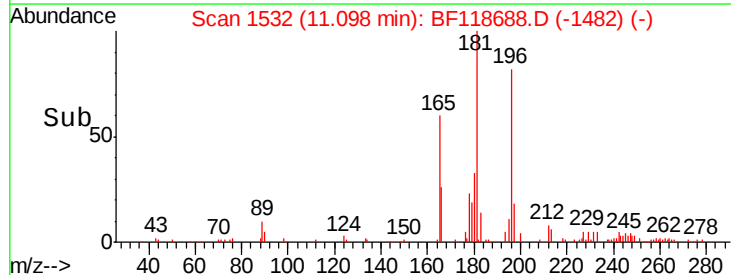
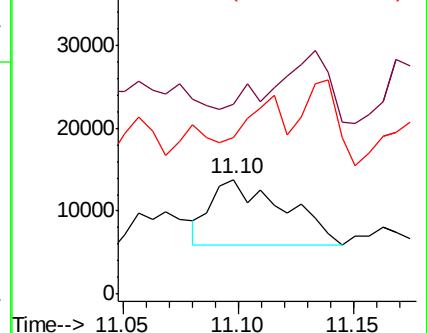
215 136.6 30.2 70.2#

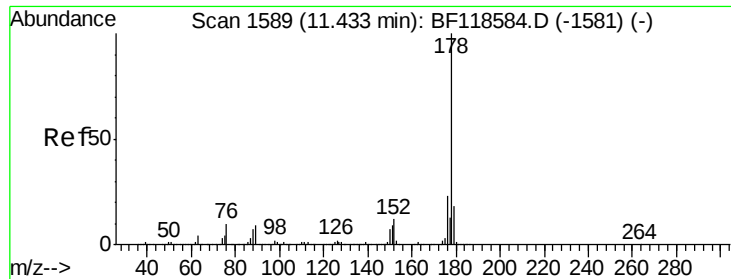


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#71

Phenanthrene

Concen: 16.555 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF118688.D

Acq: 24 Jan 2020 16:24

Instrument :

BNA_F

ClientSampleId :

PATERSON-UST

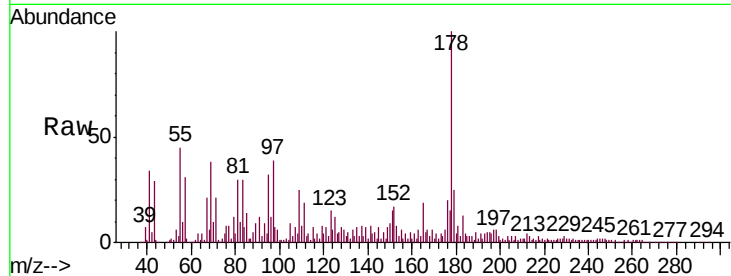
Tgt Ion:178 Resp: 593874

Ion Ratio Lower Upper

178 100

176 20.1 18.6 27.8

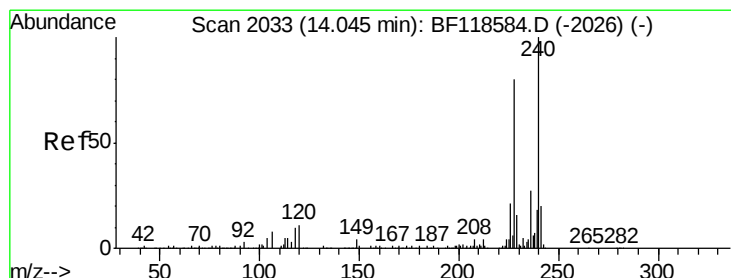
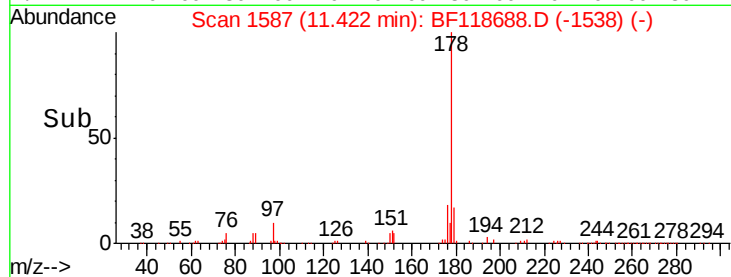
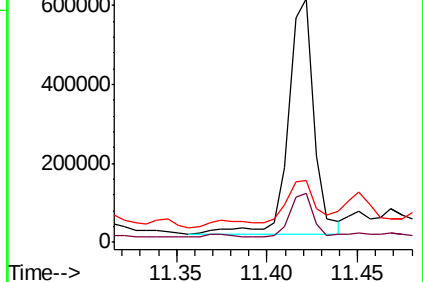
179 25.3 14.7 22.1#



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: 14.02 min Scan# 2028

Delta R.T. -0.03 min

Lab File: BF118688.D

Acq: 24 Jan 2020 16:24

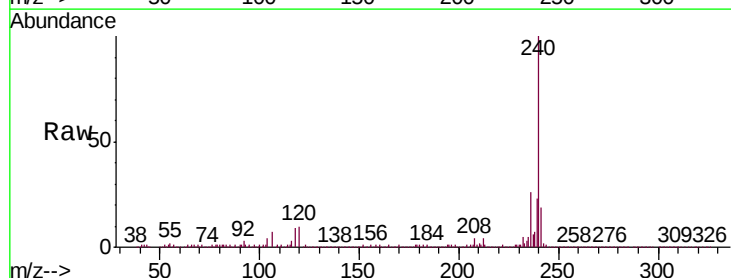
Tgt Ion:240 Resp: 604920

Ion Ratio Lower Upper

240 100

120 9.9 8.9 13.3

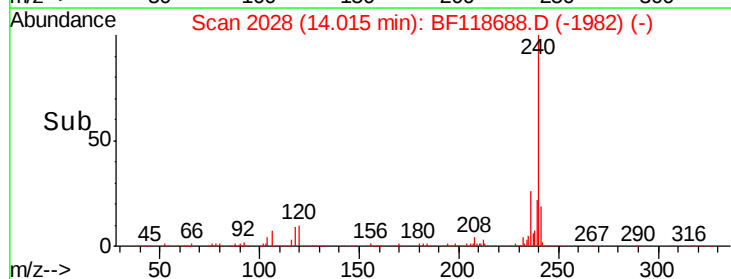
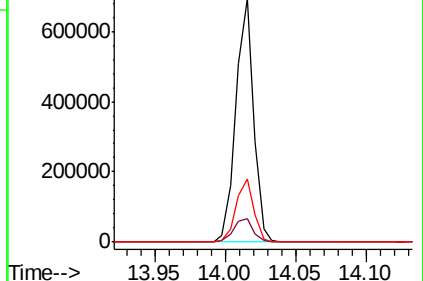
236 25.9 21.5 32.3

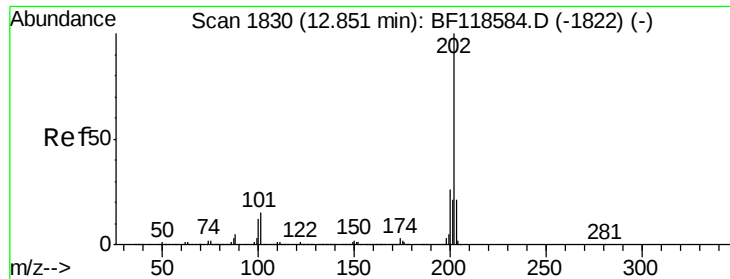


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

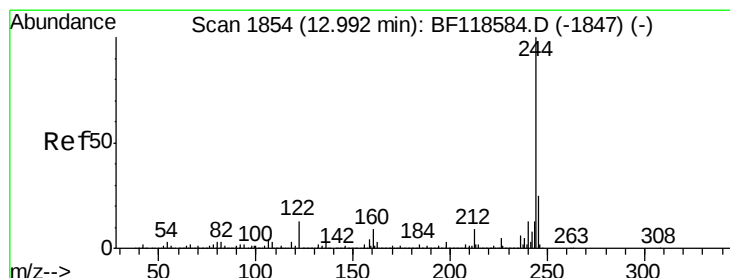
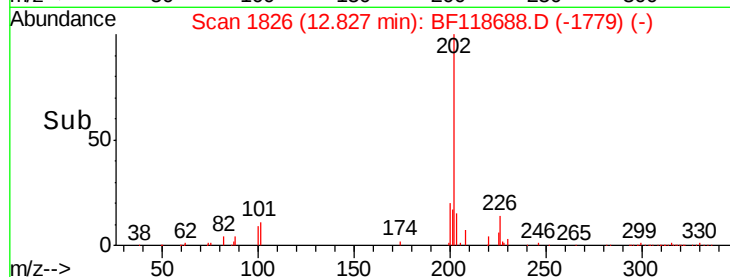
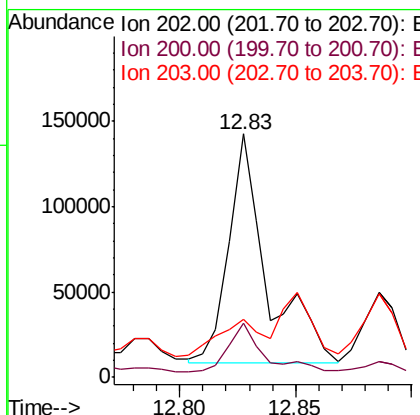
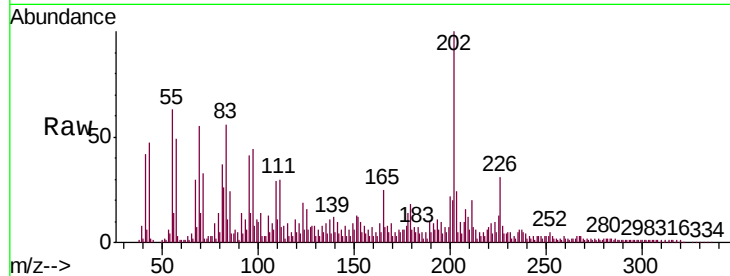




#78
Pyrene
Concen: 3.797 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.02 min
Lab File: BF118688.D
Acq: 24 Jan 2020 16:24

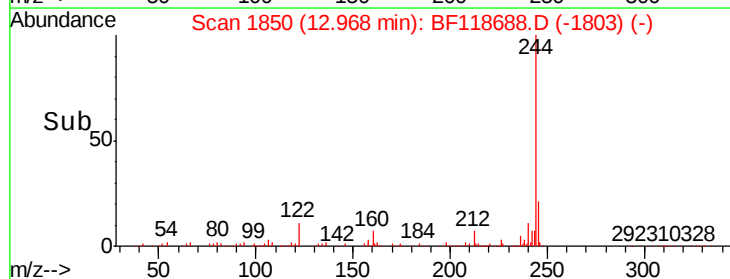
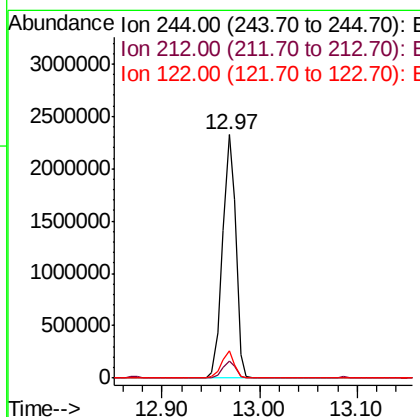
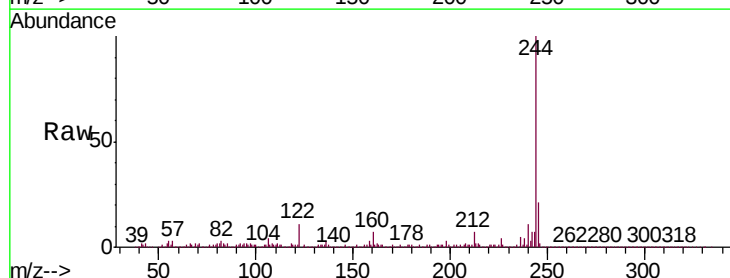
Instrument :
BNA_F
ClientSampleId :
PATERSON-UST

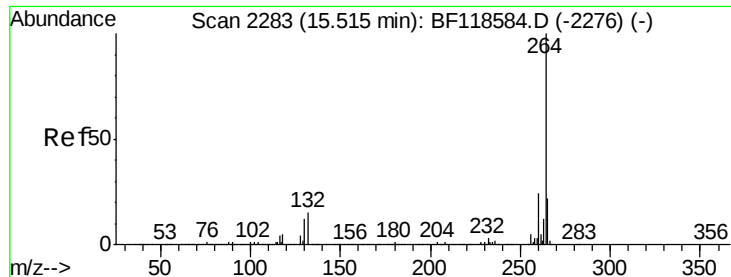
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	20.6	31.0
203	23.6	16.8	25.2



#79
Terphenyl-d14
Concen: 78.440 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.02 min
Lab File: BF118688.D
Acq: 24 Jan 2020 16:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	7.0	10.4
122	11.1	10.7	16.1





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.04 min
Lab File: BF118688.D
Acq: 24 Jan 2020 16:24

Instrument :
BNA_F
ClientSampleId :
PATERSON-UST

Tgt Ion: 264 Resp: 655949
Ion Ratio Lower Upper
264 100
260 23.0 19.6 29.4
265 21.5 17.7 26.5

