

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072320\
 Data File : BF120985.D
 Acq On : 23 Jul 2020 17:20
 Operator : JU/CG
 Sample : L3380-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

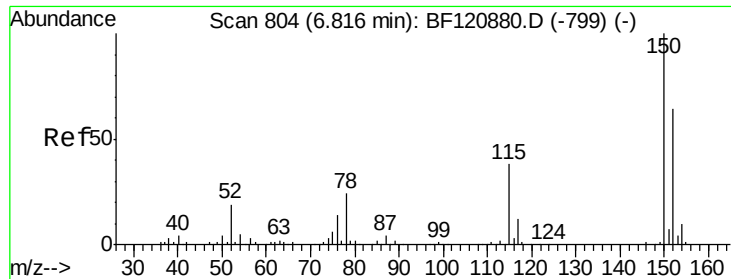
Quant Time: Jul 23 17:43:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	148706	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	548669	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	231842	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	209742	20.00	ng	0.02
76) Chrysene-d12	13.98	240	353982	20.00	ng	0.00
86) Perylene-d12	15.42	264	404050	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	904173	99.68	ng	0.00
7) Phenol-d6	6.44	99	1109036	94.65	ng	0.00
23) Nitrobenzene-d5	7.37	82	680792	71.80	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	223676	88.14	ng	0.01
45) 2-Fluorobiphenyl	9.17	172	1219811	78.55	ng	0.00
79) Terphenyl-d14	12.94	244	755841	46.42	ng	0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1519	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	92138	13.828	ng	# 77
25) Isophorone	7.37	82	678906	35.875	ng	# 63
50) Dimethylphthalate	9.57	163	170385	10.187	ng	# 82
51) 2,6-Dinitrotoluene	9.62	165	14196	3.951	ng	# 31
53) 3-Nitroaniline	9.81	138	14165	3.143	ng	# 28
54) 2,4-Dinitrophenol	9.90	184	394	7.007	ng	# 1
56) 4-Nitrophenol	9.99	139	8348	2.438	ng	# 1
62) 4-Nitroaniline	10.32	138	24893	5.670	ng	# 94
65) 4,6-Dinitro-2-methylphenol	10.47	198	1979	5.342	ng	# 1
66) n-Nitrosodiphenylamine	10.53	169	37322	5.657	ng	# 60
74) Di-n-butylphthalate	11.92	149	43046	3.470	ng	# 24

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

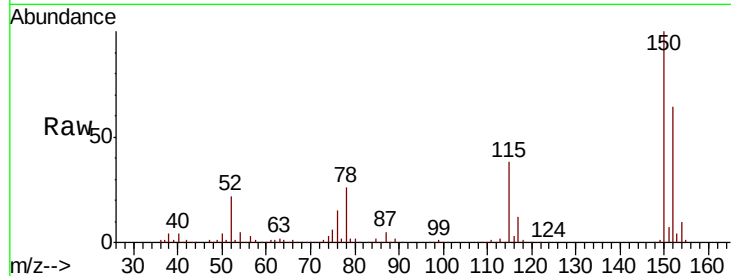


#1

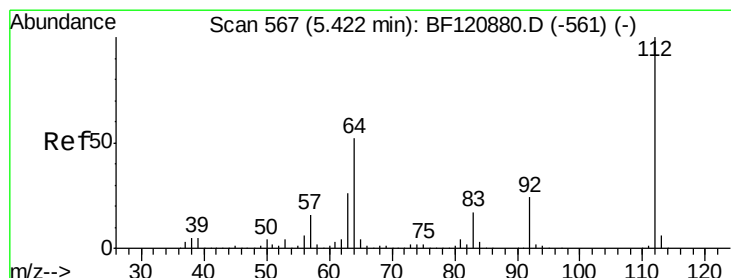
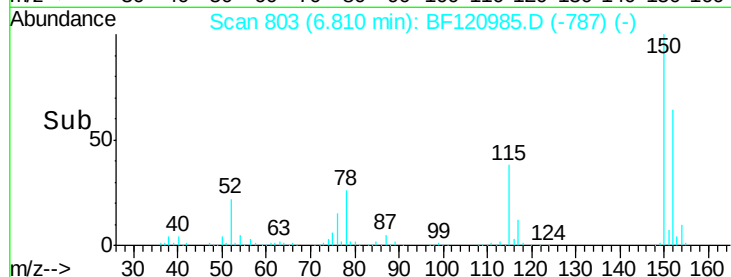
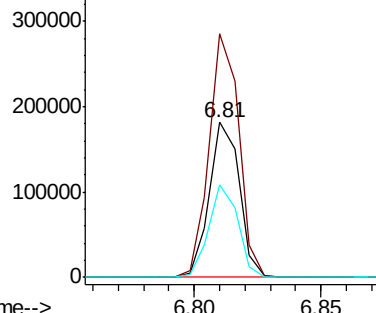
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF120985.D
 Acq: 23 Jul 2020 17:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 148706
 Ion Ratio Lower Upper
 152 100
 150 157.2 125.0 187.6
 115 60.1 47.0 70.4



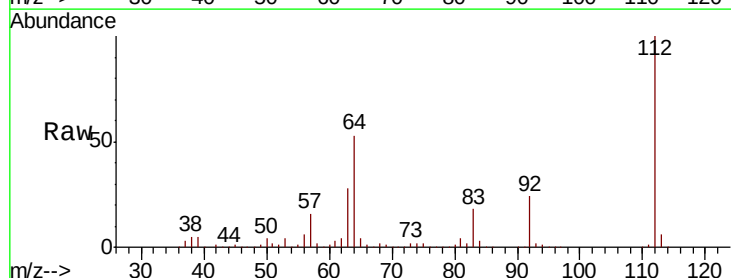
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



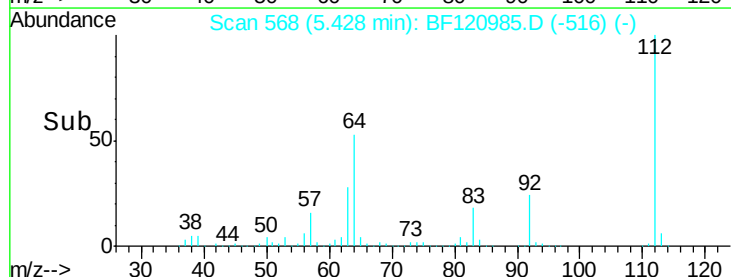
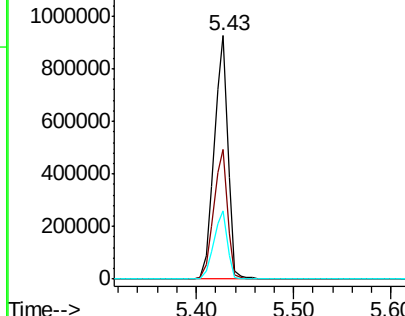
#5

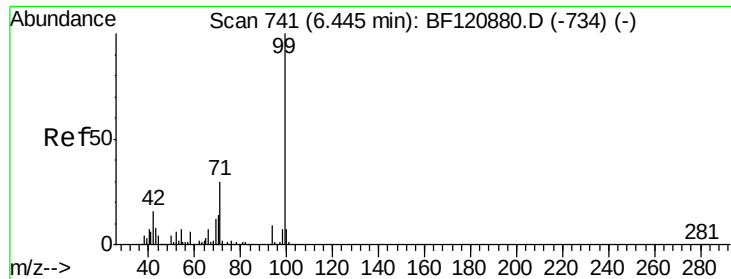
2-Fluorophenol
 Concen: 99.677 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF120985.D
 Acq: 23 Jul 2020 17:20

Tgt Ion:112 Resp: 904173
 Ion Ratio Lower Upper
 112 100
 64 53.2 41.3 61.9
 63 27.8 21.1 31.7



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: 94.648 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF120985.D

Acq: 23 Jul 2020 17:20

Instrument :

BNA_F

ClientSampled :

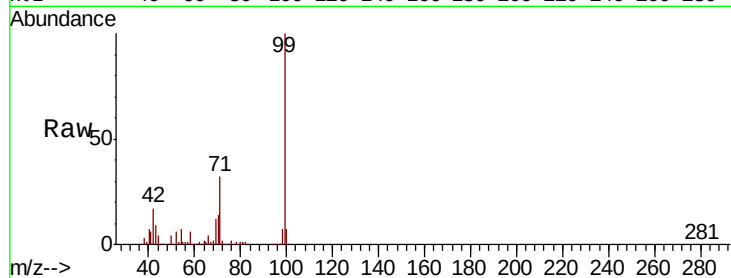
Tot Ion: 99 Resp: 1109036

Ion Ratio Lower Upper

99 100

42 17.4 13.1 19.7

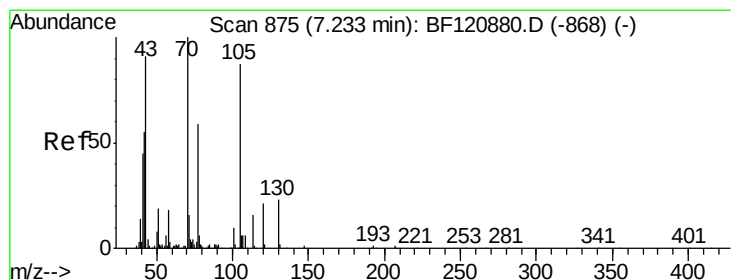
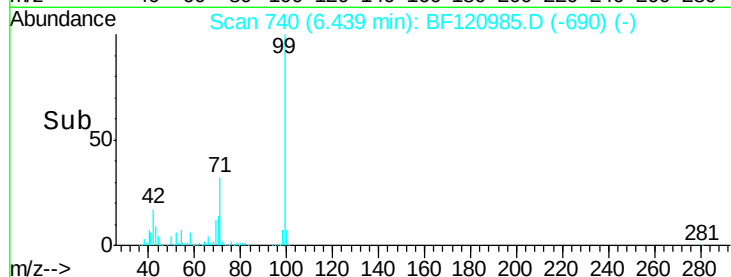
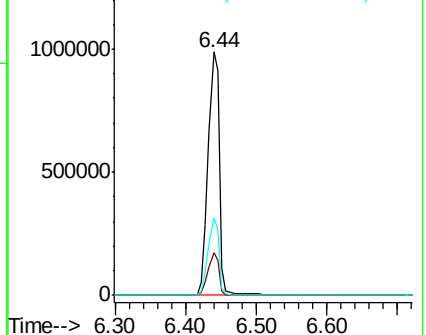
71 31.5 24.2 36.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.828 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF120985.D

Acq: 23 Jul 2020 17:20

Tgt Ion: 70 Resp: 92138

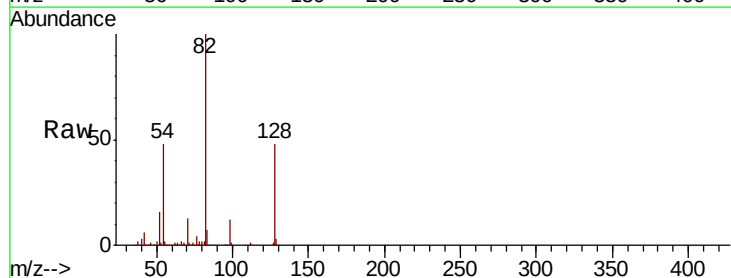
Ion Ratio Lower Upper

70 100

42 44.9 44.0 66.0

101 0.0 7.8 11.6#

130 2.1 18.7 28.1#

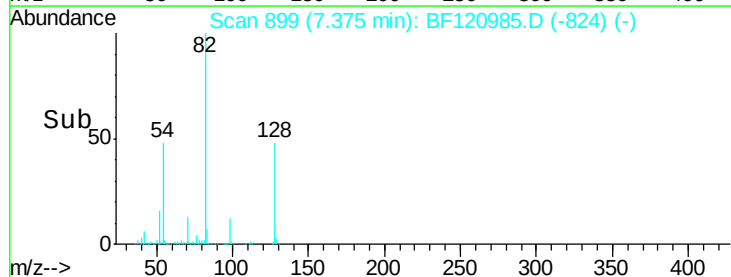
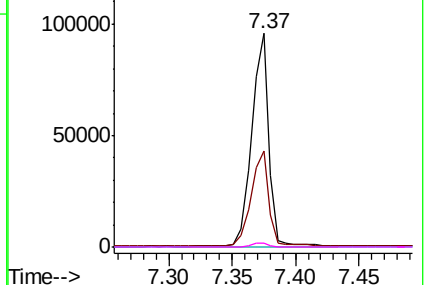


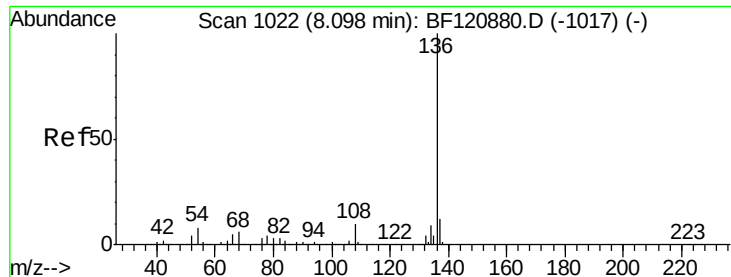
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

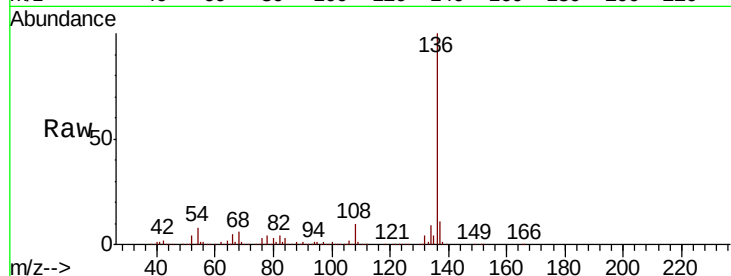




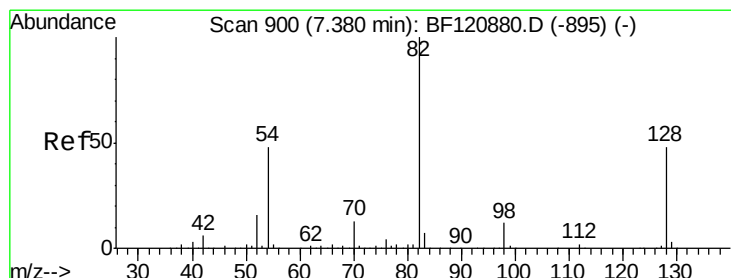
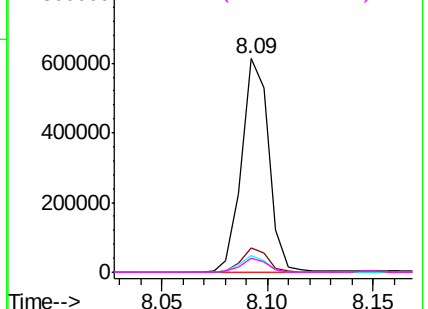
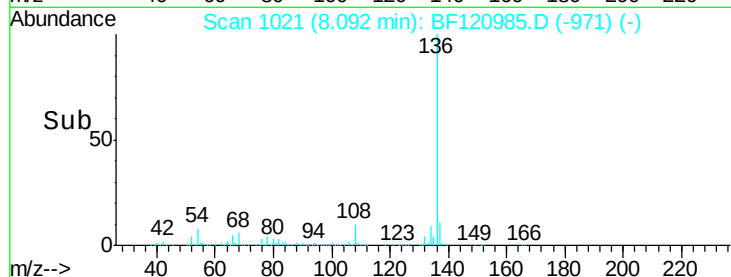
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF120985.D
Acq: 23 Jul 2020 17:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	548669
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	7.8	6.3	9.5
68	6.4	5.0	7.4

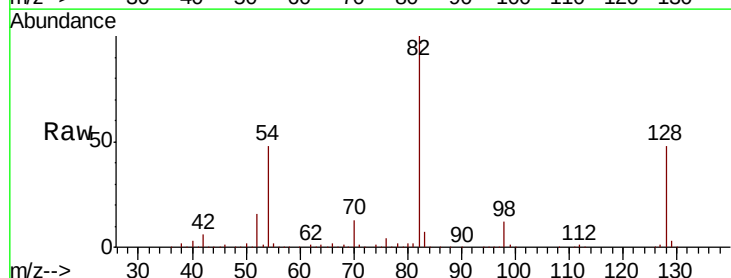


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

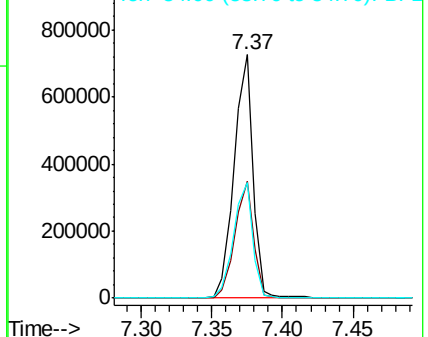
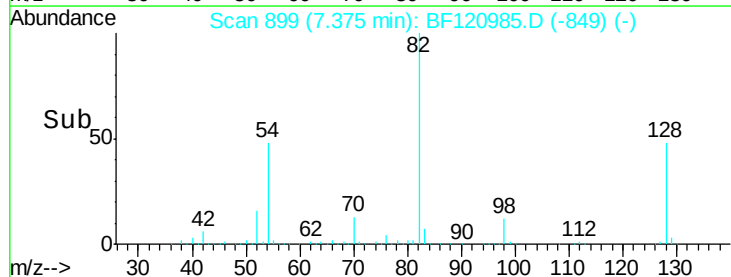


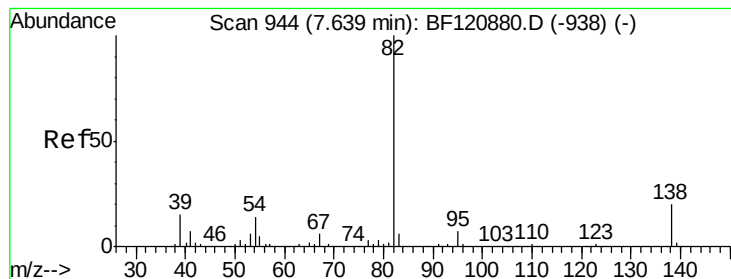
#23
Nitrobenzene-d5
Concen: 71.797 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF120985.D
Acq: 23 Jul 2020 17:20

Tgt Ion:	82	Resp:	680792
Ion	Ratio	Lower	Upper
82	100		
128	48.0	38.2	57.4
54	47.7	38.7	58.1



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: 35.875 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF120985.D

Acq: 23 Jul 2020 17:20

Instrument :

BNA_F

ClientSampleId :

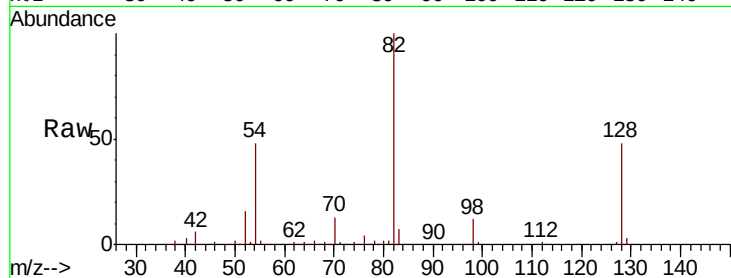
Tot Ion: 82 Resp: 678906

Ion Ratio Lower Upper

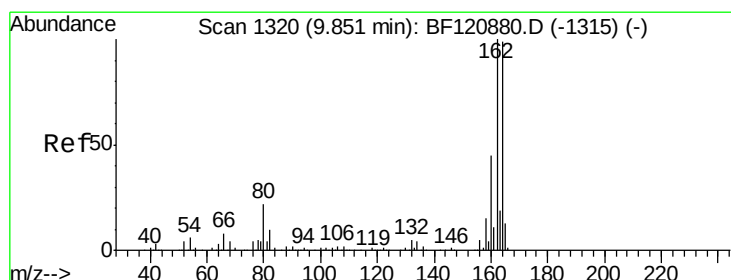
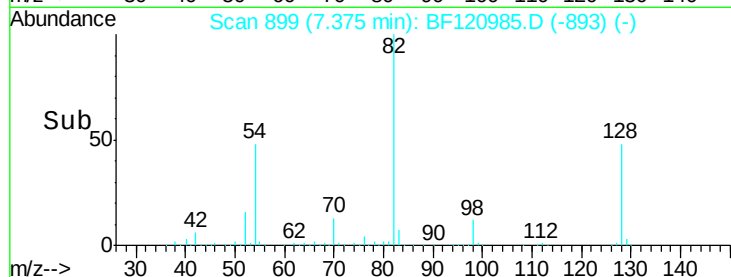
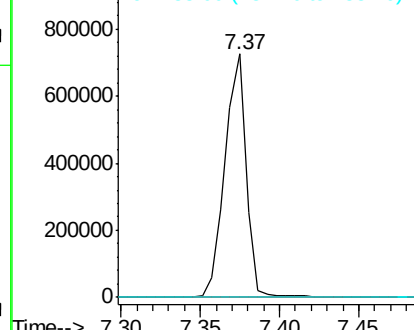
82 100

95 0.1 5.5 8.3#

138 0.0 15.6 23.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.01 min

Lab File: BF120985.D

Acq: 23 Jul 2020 17:20

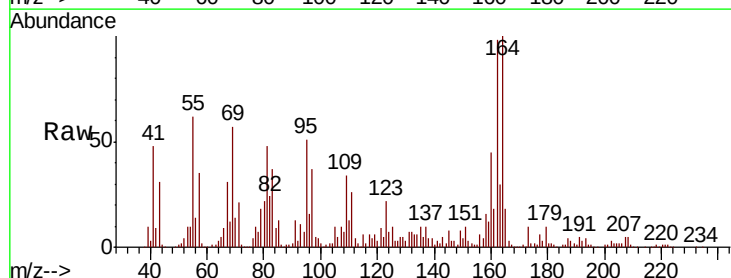
Tgt Ion: 164 Resp: 231842

Ion Ratio Lower Upper

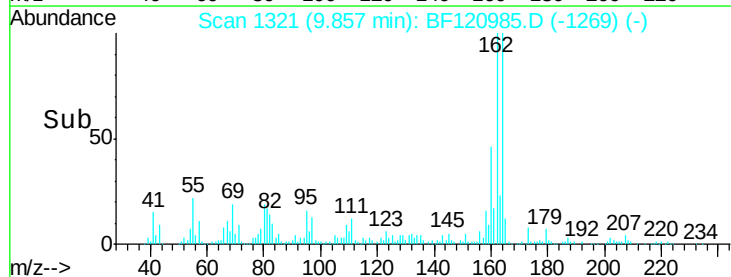
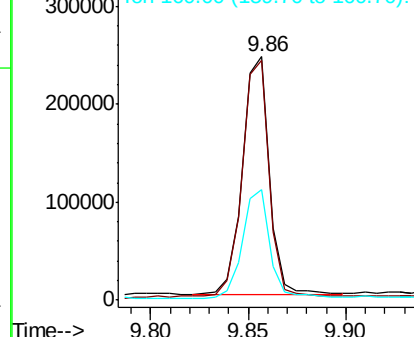
164 100

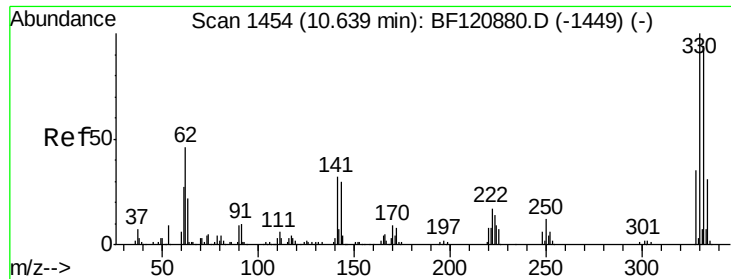
162 98.4 81.2 121.8

160 45.2 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 88.140 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.01 min

Lab File: BF120985.D

Acq: 23 Jul 2020 17:20

Instrument :

BNA_F

ClientSampleId :

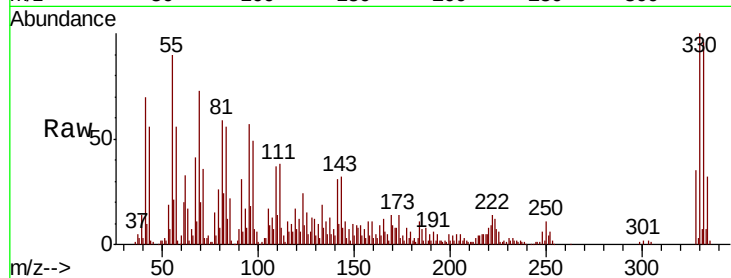
Tot Ion:330 Resp: 223676

Ion Ratio Lower Upper

330 100

332 96.7 75.5 113.3

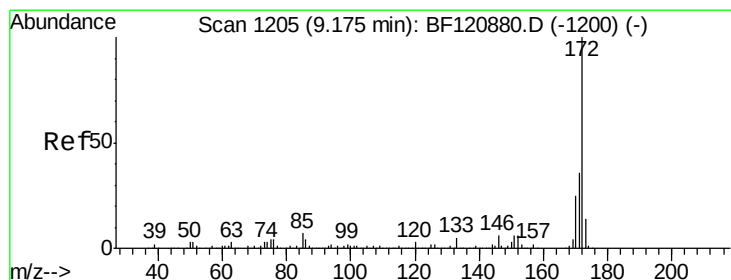
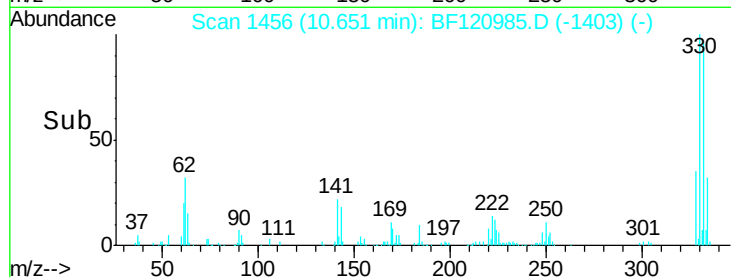
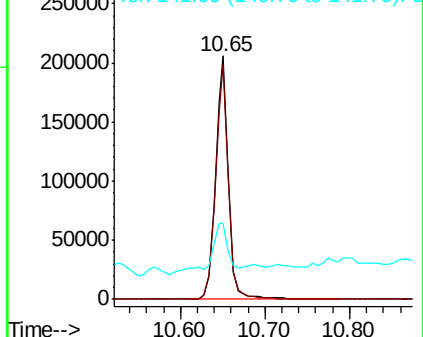
141 28.9 25.7 38.5



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: 78.555 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF120985.D

Acq: 23 Jul 2020 17:20

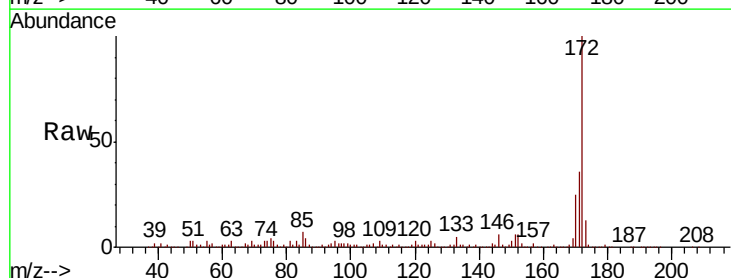
Tgt Ion:172 Resp: 1219811

Ion Ratio Lower Upper

172 100

171 36.3 29.0 43.4

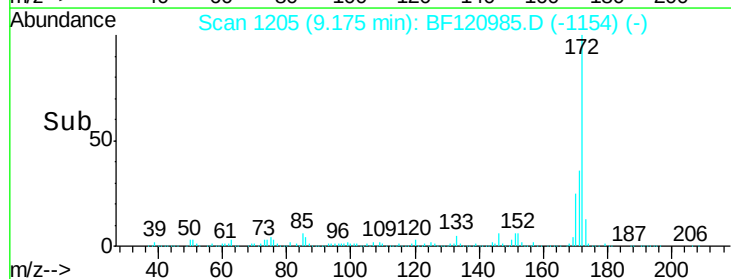
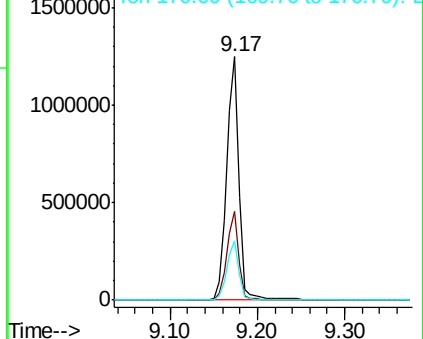
170 24.6 19.6 29.4

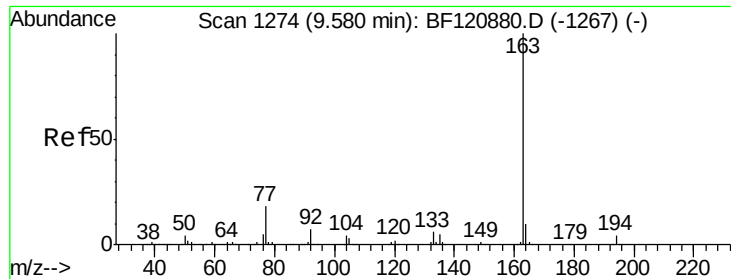


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

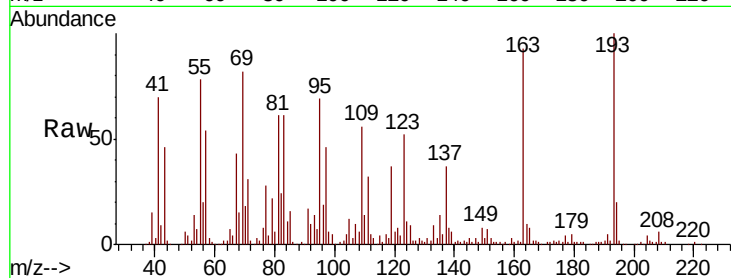




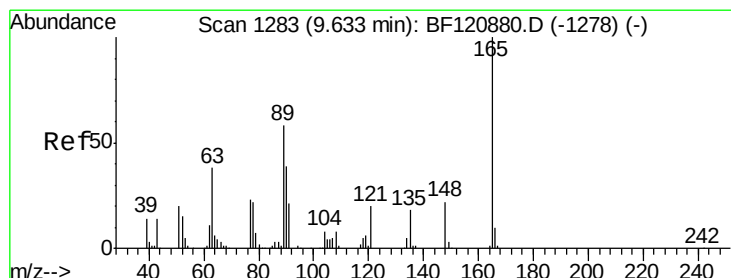
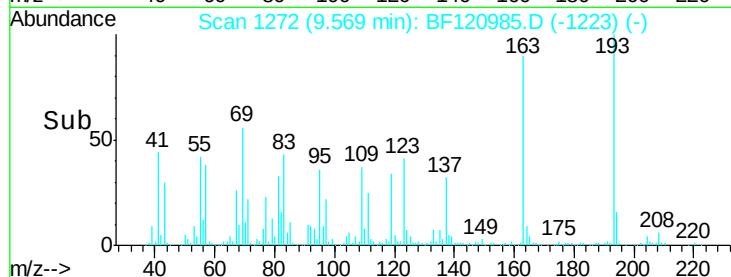
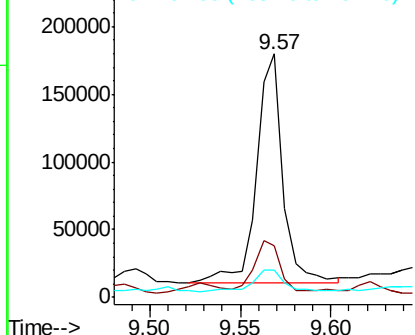
#50
Dimethylphthalate
Concen: 10.187 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF120985.D
Acq: 23 Jul 2020 17:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 170385
Ion Ratio Lower Upper
163 100
194 21.4 3.2 4.8#
164 11.1 7.9 11.9

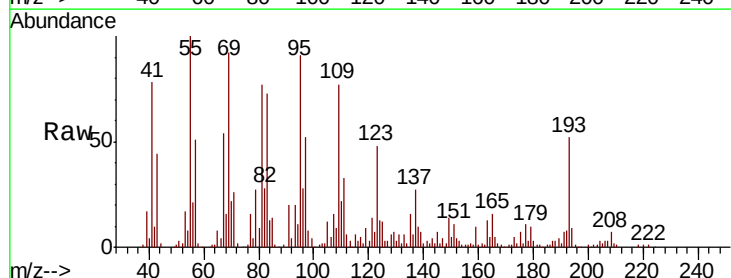


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

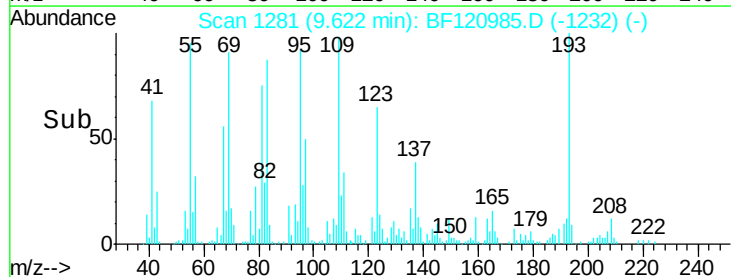
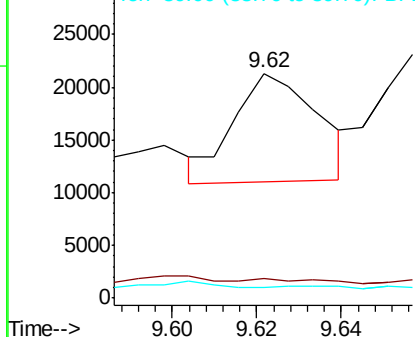


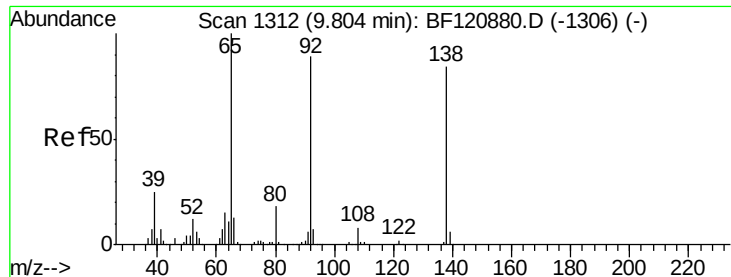
#51
2,6-Dinitrotoluene
Concen: 3.951 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF120985.D
Acq: 23 Jul 2020 17:20

Tgt Ion:165 Resp: 14196
Ion Ratio Lower Upper
165 100
63 8.9 45.4 68.2#
89 4.8 47.0 70.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

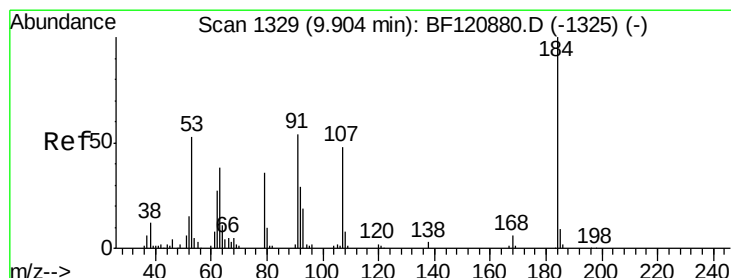
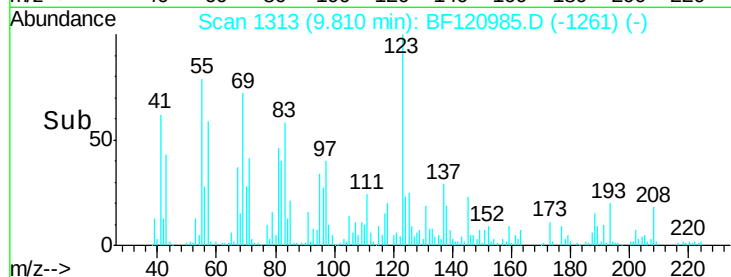
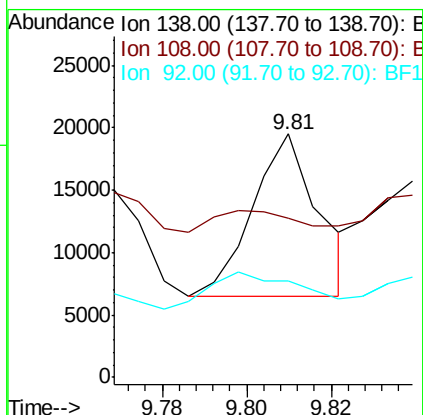
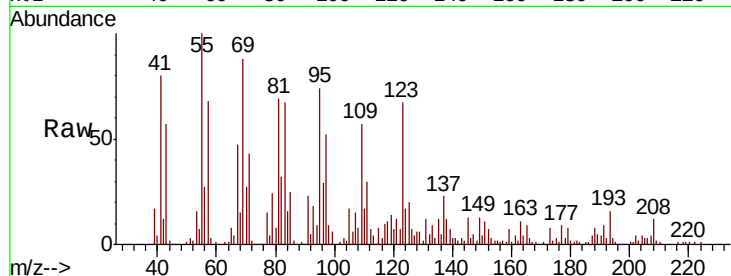




#53
3-Nitroaniline
Concen: 3.143 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.01 min
Lab File: BF120985.D
Acq: 23 Jul 2020 17:20

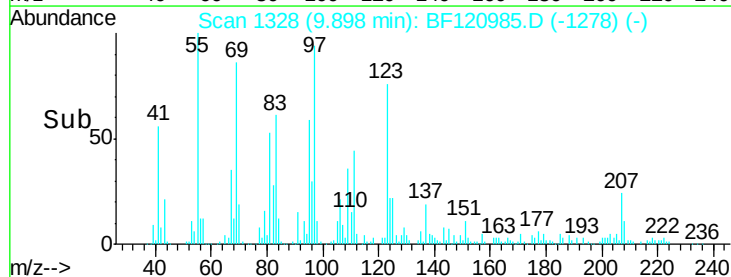
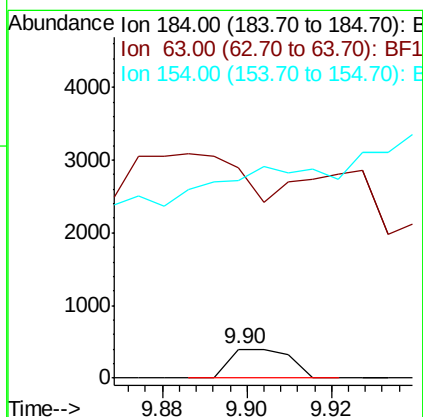
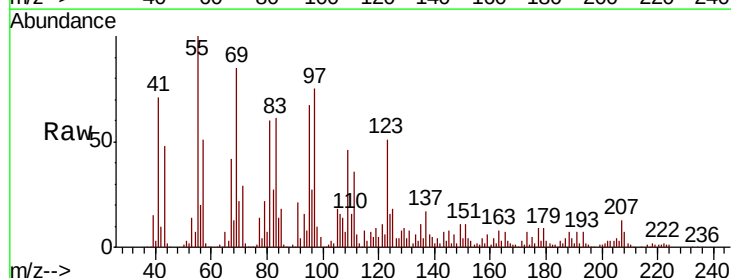
Instrument :
BNA_F
ClientSampled :

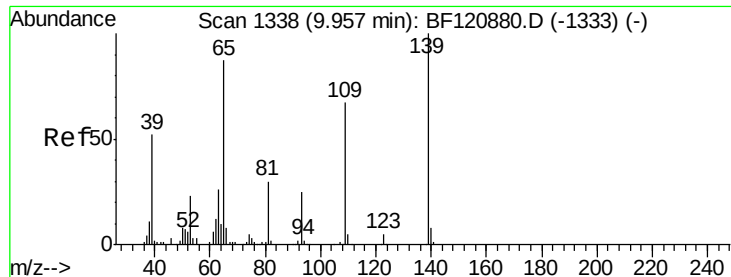
Tot Ion:138 Resp: 14165
Ion Ratio Lower Upper
138 100
108 65.6 7.9 11.9#
92 39.8 85.3 127.9#



#54
2,4-Dinitrophenol
Concen: 7.007 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BF120985.D
Acq: 23 Jul 2020 17:20

Tgt Ion:184 Resp: 394
Ion Ratio Lower Upper
184 100
63 736.3 57.9 86.9#
154 691.1 52.6 78.8#

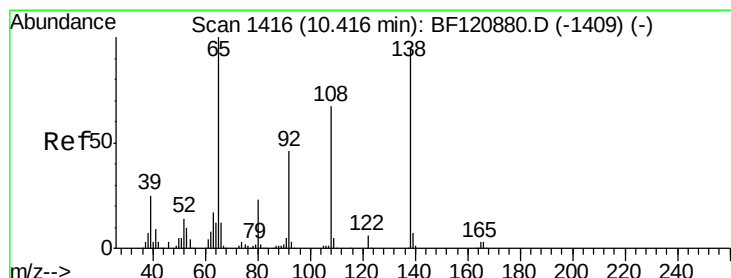
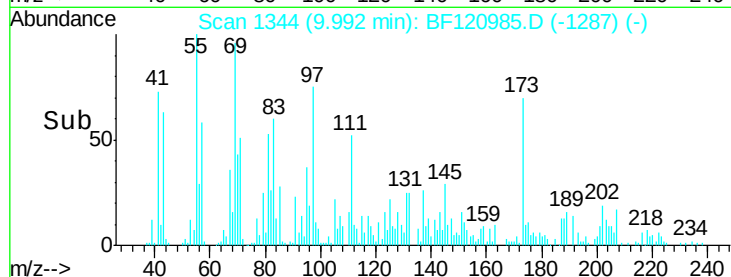
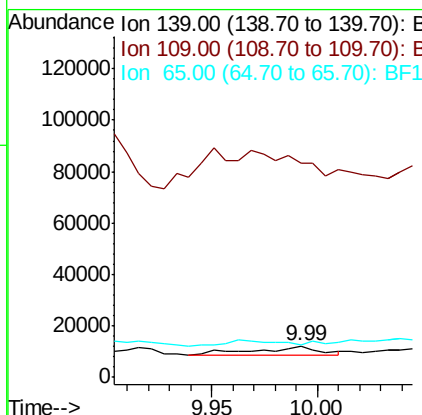
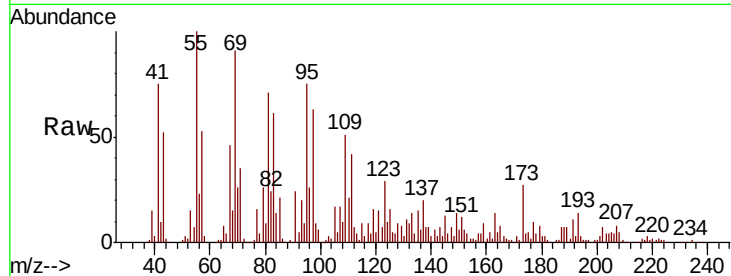




#56
4-Nitrophenol
Concen: 2.438 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.04 min
Lab File: BF120985.D
Acq: 23 Jul 2020 17:20

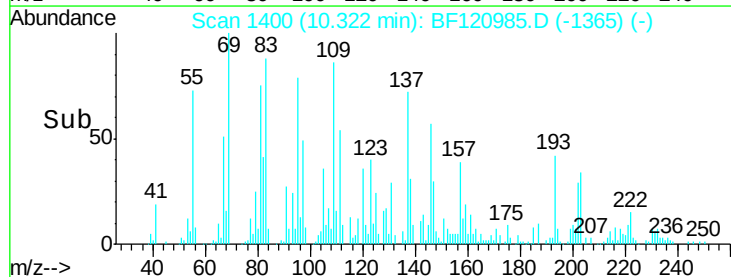
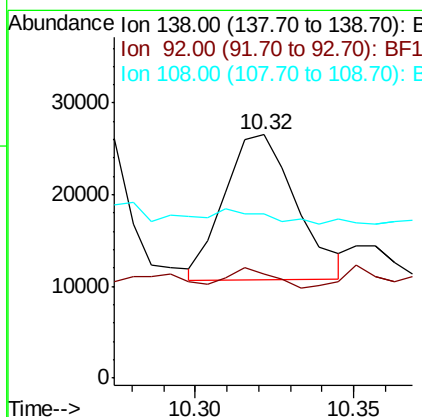
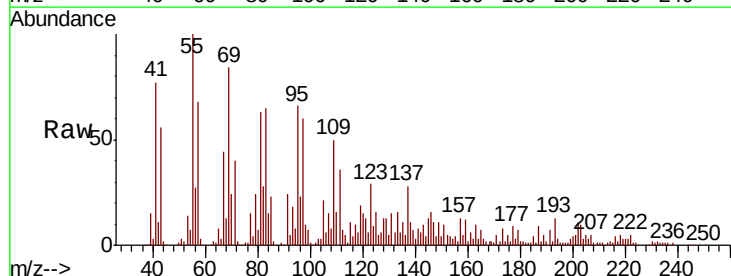
Instrument :
BNA_F
ClientSampled :

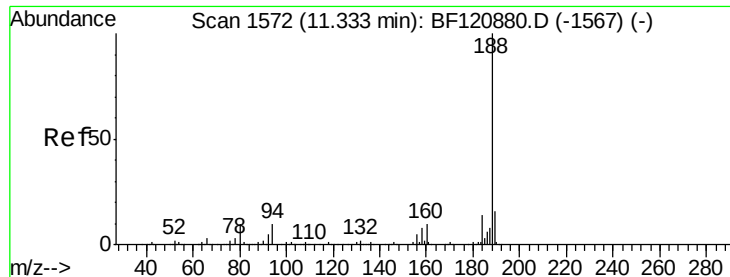
Tot Ion:139 Resp: 8348
Ion Ratio Lower Upper
139 100
109 680.1 47.3 87.3#
65 103.7 67.2 107.2



#62
4-Nitroaniline
Concen: 5.670 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.09 min
Lab File: BF120985.D
Acq: 23 Jul 2020 17:20

Tgt Ion:138 Resp: 24893
Ion Ratio Lower Upper
138 100
92 42.9 28.6 68.6
108 67.4 51.1 91.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.02 min

Lab File: BF120985.D

Acq: 23 Jul 2020 17:20

Instrument :

BNA_F

ClientSampleId :

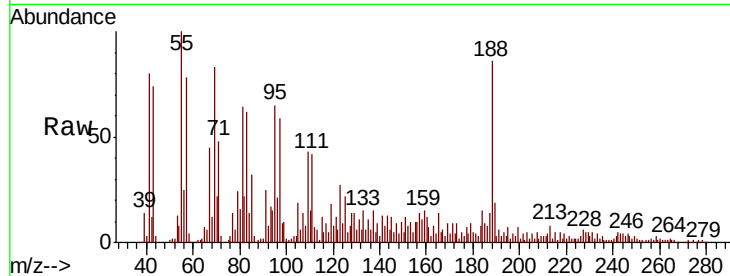
Tot Ion:188 Resp: 209742

Ion Ratio Lower Upper

188 100

94 17.4 8.0 12.0#

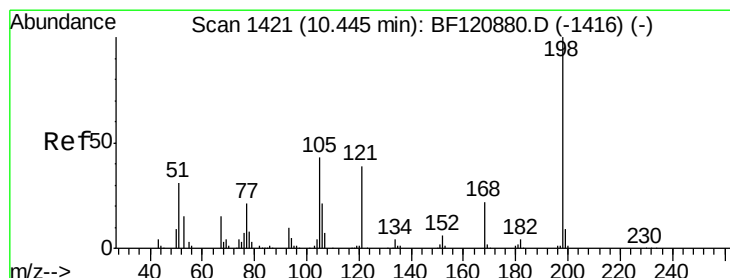
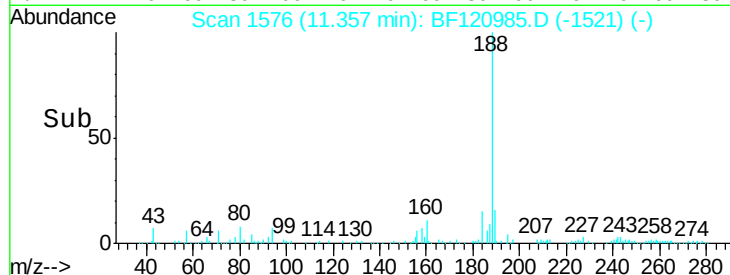
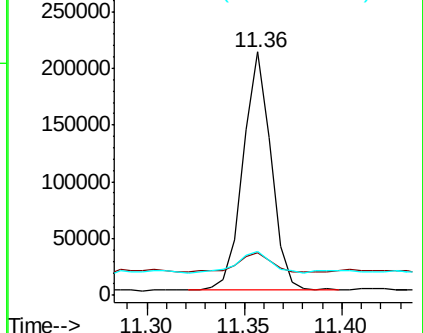
80 18.2 8.3 12.5#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 5.342 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.03 min

Lab File: BF120985.D

Acq: 23 Jul 2020 17:20

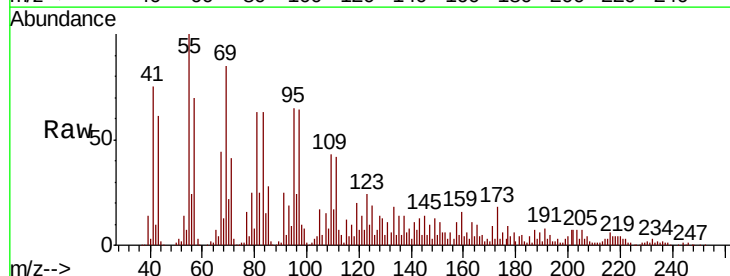
Tgt Ion:198 Resp: 1979

Ion Ratio Lower Upper

198 100

51 264.3 19.5 59.5#

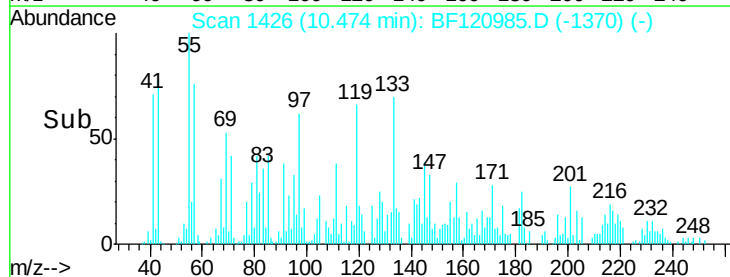
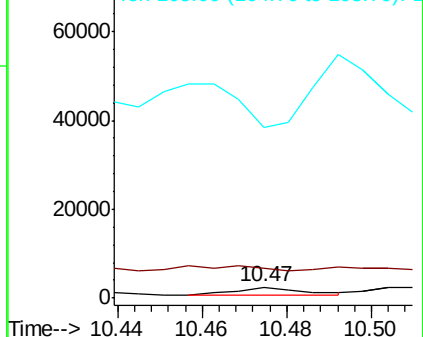
105 1529.2 24.4 64.4#

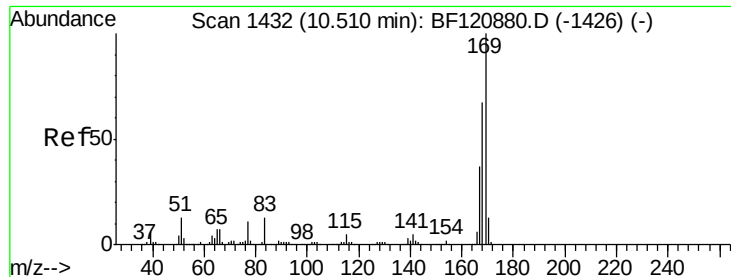


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

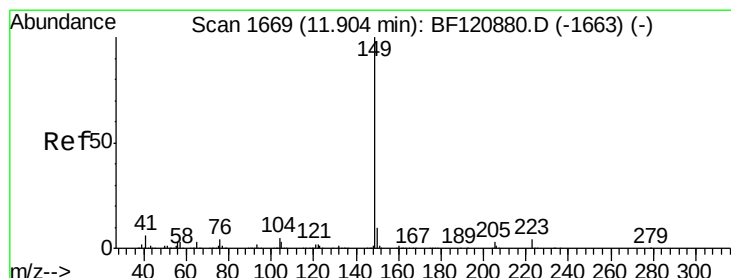
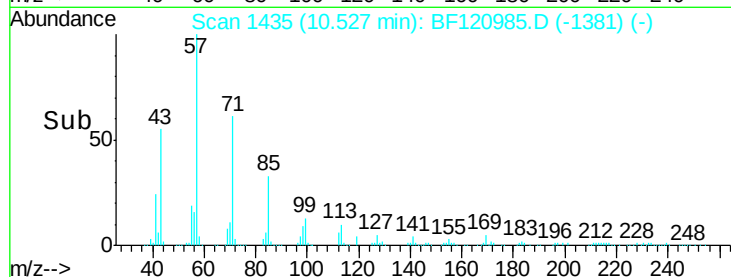
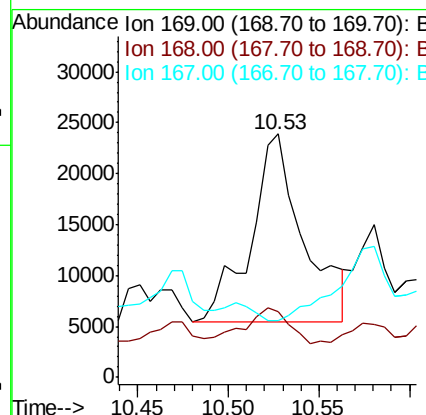
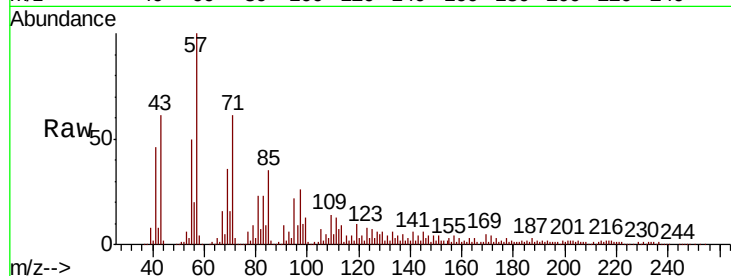




#66
 n-Nitrosodiphenylamine
 Concen: 5.657 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.02 min
 Lab File: BF120985.D
 Acq: 23 Jul 2020 17:20

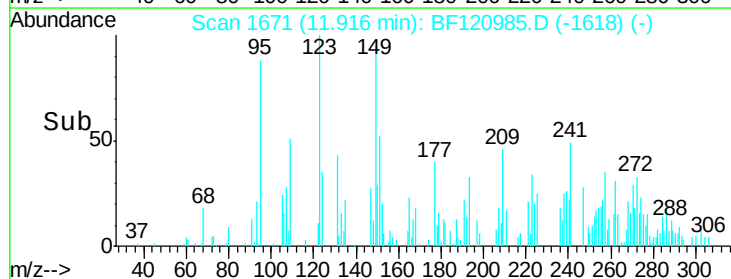
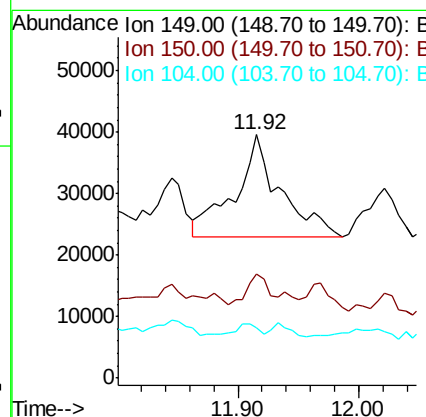
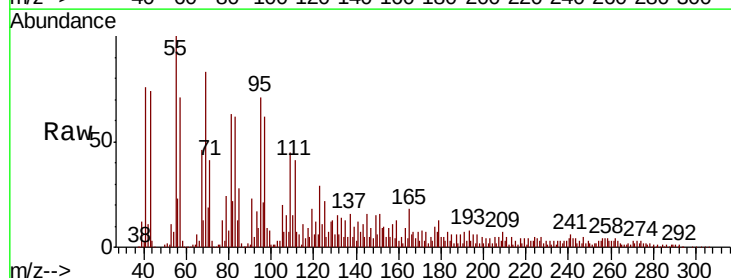
Instrument :
 BNA_F
 ClientSampleId :

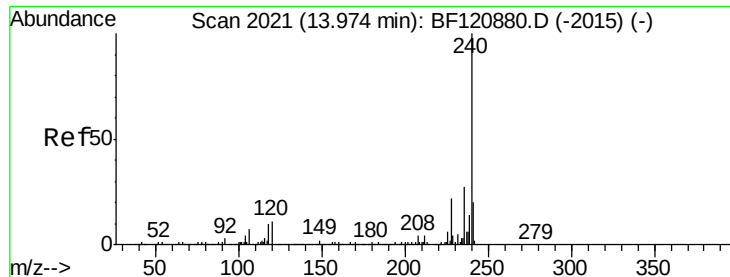
Tot Ion:169 Resp: 37322
 Ion Ratio Lower Upper
 169 100
 168 27.0 53.4 80.0#
 167 23.1 29.4 44.0#



#74
 Di-n-butylphthalate
 Concen: 3.470 ng
 RT: 11.92 min Scan# 1671
 Delta R.T. 0.01 min
 Lab File: BF120985.D
 Acq: 23 Jul 2020 17:20

Tgt Ion:149 Resp: 43046
 Ion Ratio Lower Upper
 149 100
 150 42.6 7.8 11.6#
 104 20.6 3.8 5.6#

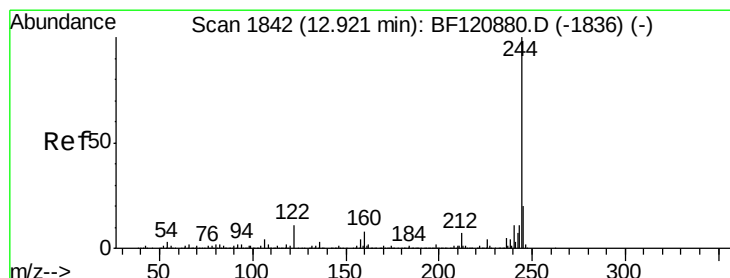
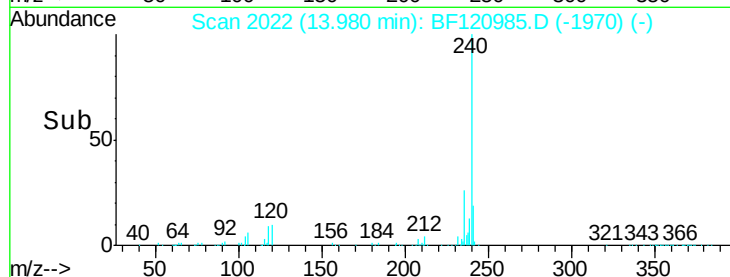
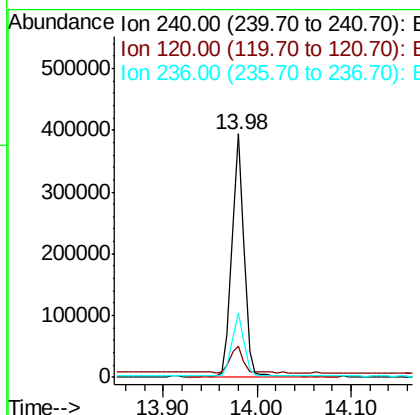
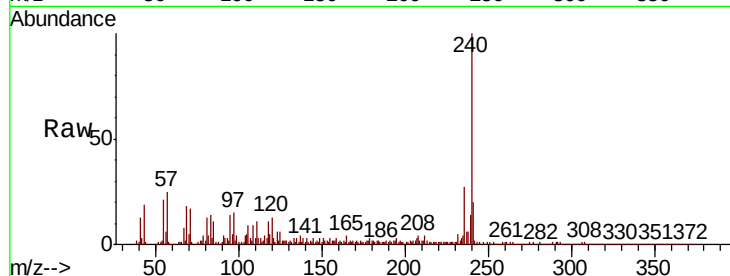




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.01 min
 Lab File: BF120985.D
 Acq: 23 Jul 2020 17:20

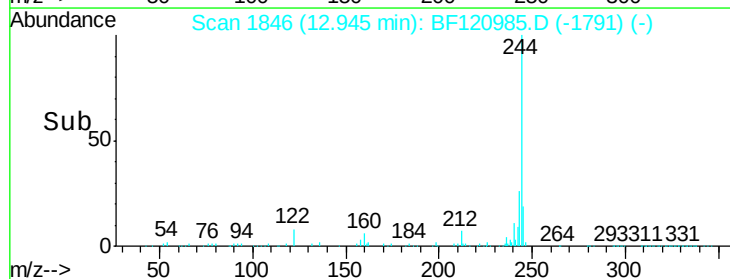
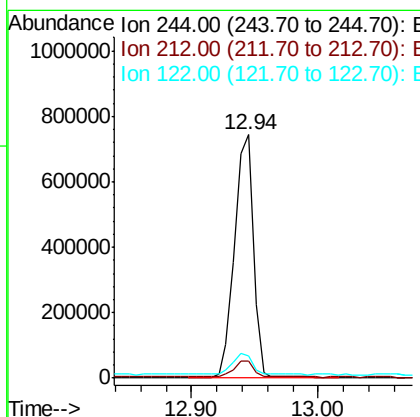
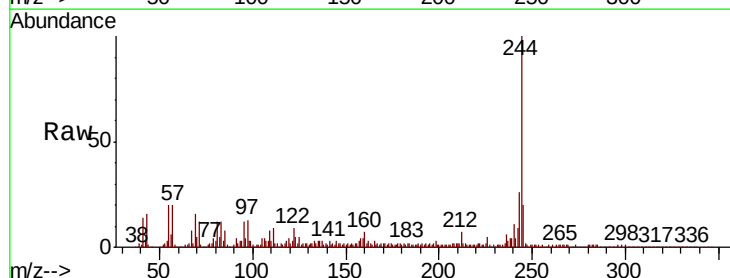
Instrument :
 BNA_F
 ClientSampleId :

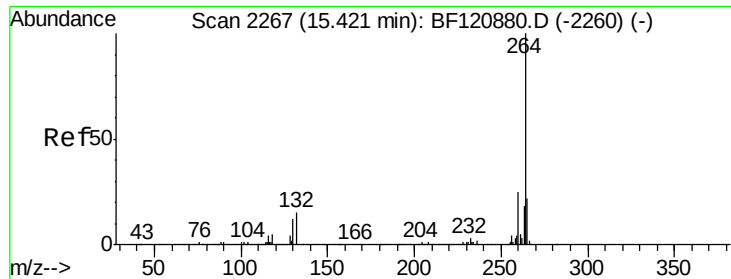
Tot Ion:240 Resp: 353982
 Ion Ratio Lower Upper
 240 100
 120 12.6 9.0 13.4
 236 26.5 21.7 32.5



#79
 Terphenyl-d14
 Concen: 46.416 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. 0.02 min
 Lab File: BF120985.D
 Acq: 23 Jul 2020 17:20

Tgt Ion:244 Resp: 755841
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 9.4 8.9 13.3





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF120985.D
Acq: 23 Jul 2020 17:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.0	30.0
265	21.4	17.4	26.2

