

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072220\
 Data File : BF120973.D
 Acq On : 22 Jul 2020 19:40
 Operator : JU/CG
 Sample : L3361-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 23 00:55:53 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	179907	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	676600	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	369046	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	714950	20.00	ng	0.00
76) Chrysene-d12	13.97	240	610147	20.00	ng	0.00
86) Perylene-d12	15.42	264	526149	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	860313	78.39	ng	0.00
7) Phenol-d6	6.44	99	763926	53.89	ng	0.00
23) Nitrobenzene-d5	7.37	82	975391	83.42	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	451726	111.83	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1717357	69.48	ng	0.00
79) Terphenyl-d14	12.92	244	1838088	65.49	ng	0.00

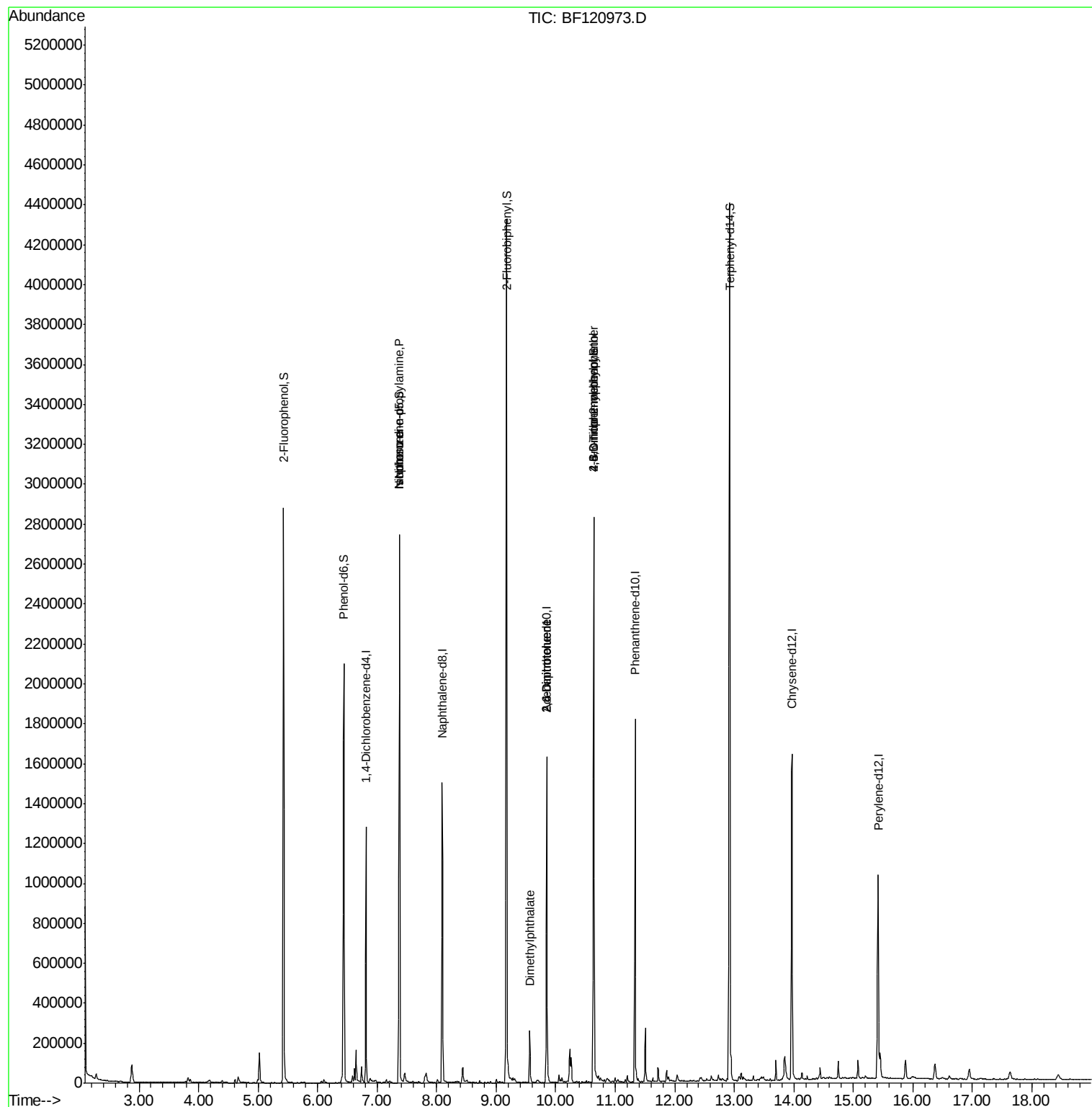
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	369	Below Cal		# 74
19) n-Nitroso-di-n-propylamine	7.37	70	129052	16.010	ng	# 78
25) Isophorone	7.37	82	972706	41.681	ng	# 63
50) Dimethylphthalate	9.56	163	107662	4.044	ng	# 99
51) 2,6-Dinitrotoluene	9.85	165	47094	8.233	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	47094	6.270	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.64	198	802	4.021	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	26330	3.303	ng	# 1

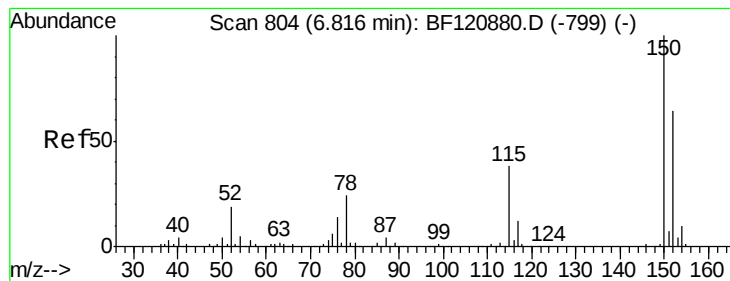
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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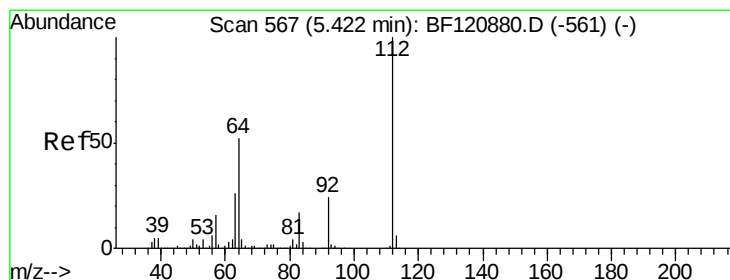
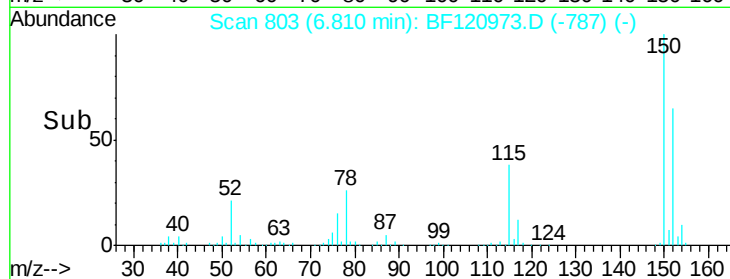
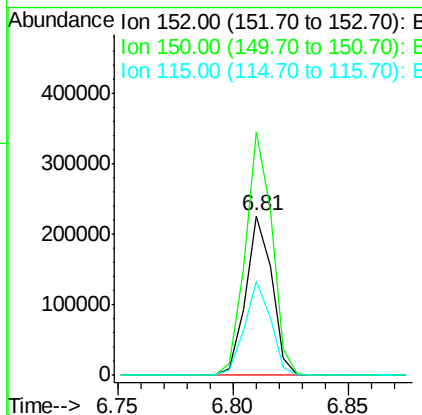
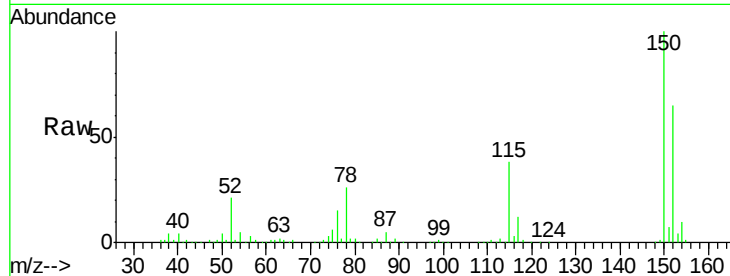


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF120973.D
 Acq: 22 Jul 2020 19:40

Instrument :
 BNA_F
 ClientSampleId :

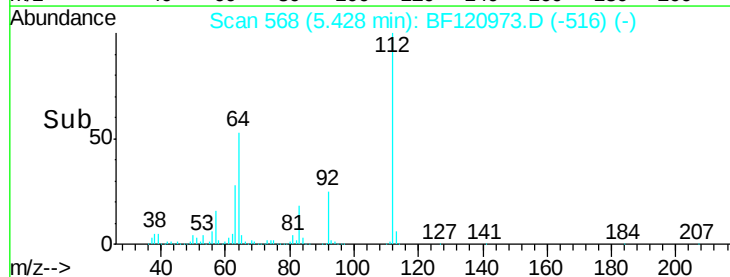
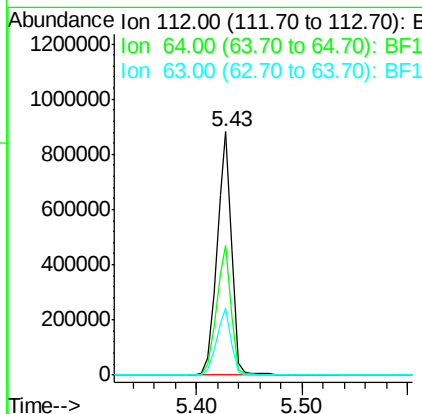
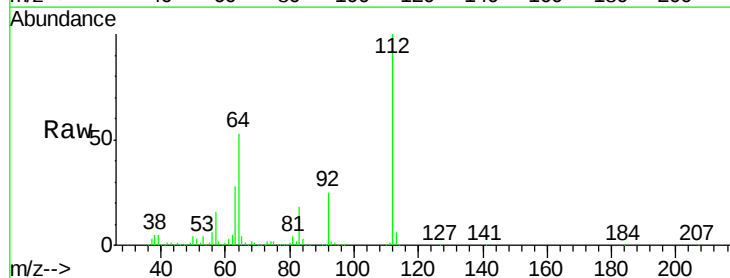
Tot Ion:152 Resp: 179907
 Ion Ratio Lower Upper
 152 100
 150 152.8 125.0 187.6
 115 58.7 47.0 70.4

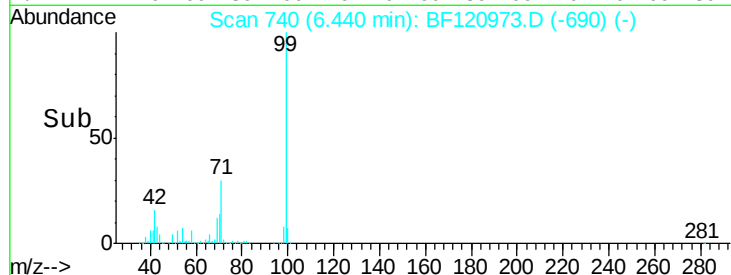
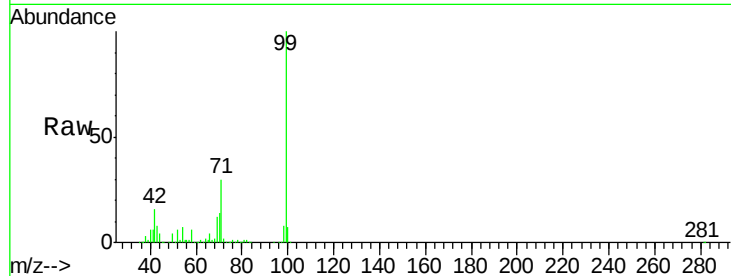


#5

2-Fluorophenol
 Concen: 78.394 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF120973.D
 Acq: 22 Jul 2020 19:40

Tgt Ion:112 Resp: 860313
 Ion Ratio Lower Upper
 112 100
 64 53.2 41.3 61.9
 63 27.5 21.1 31.7





#7

Phenol-d6

Concen: 53.889 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF120973.D

Acq: 22 Jul 2020 19:40

Instrument :

BNA_F

ClientSampled :

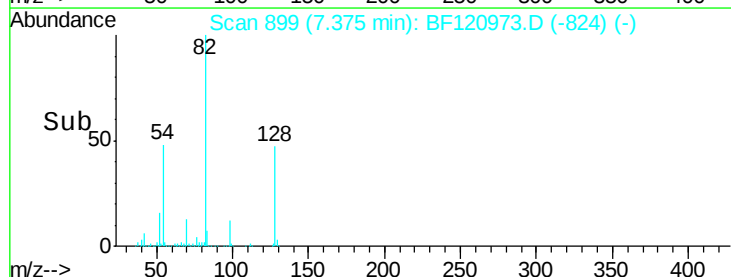
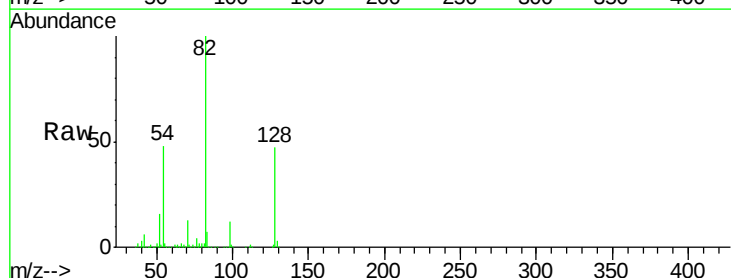
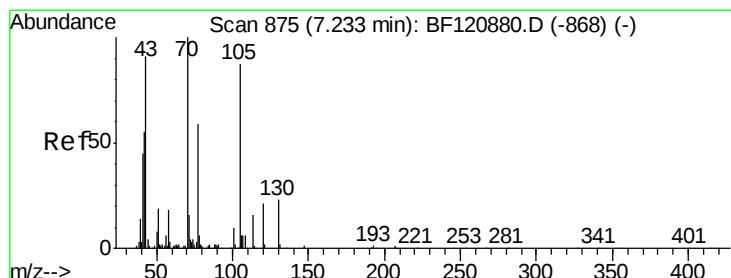
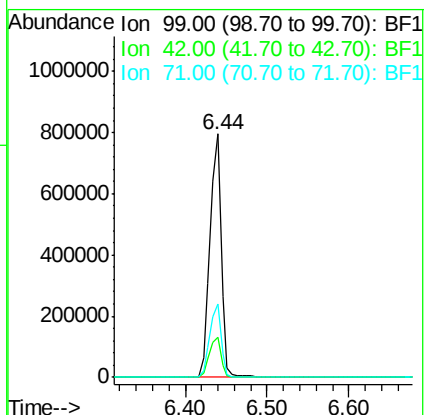
Tot Ion: 99 Resp: 763926

Ion Ratio Lower Upper

99 100

42 16.3 13.1 19.7

71 30.3 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 16.010 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF120973.D

Acq: 22 Jul 2020 19:40

Tgt Ion: 70 Resp: 129052

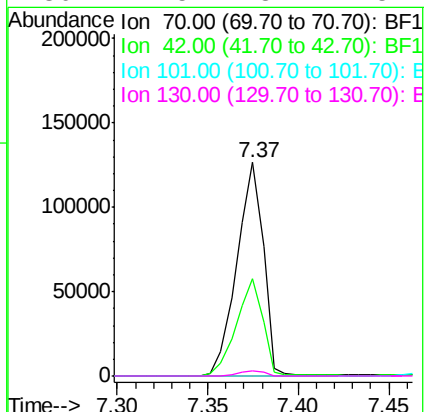
Ion Ratio Lower Upper

70 100

42 45.7 44.0 66.0

101 0.0 7.8 11.6#

130 2.5 18.7 28.1#

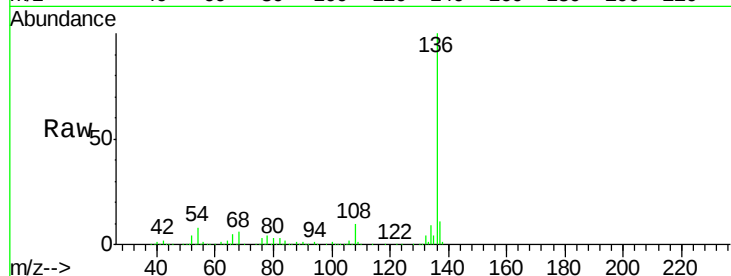




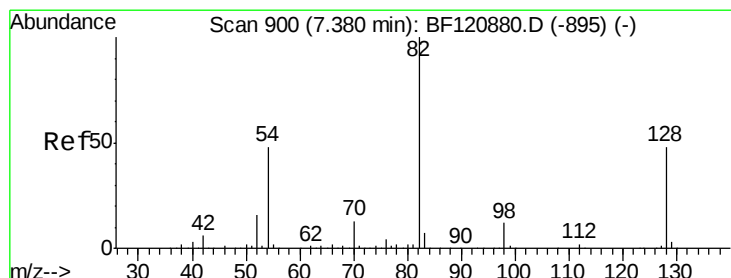
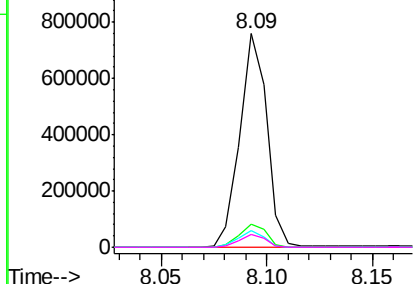
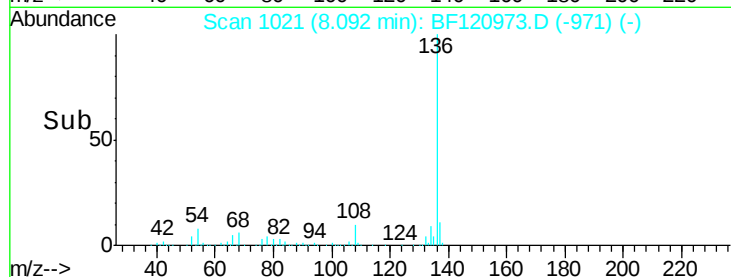
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF120973.D
Acq: 22 Jul 2020 19:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	676600
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.3 13.9
54	7.6	6.3 9.5
68	6.2	5.0 7.4

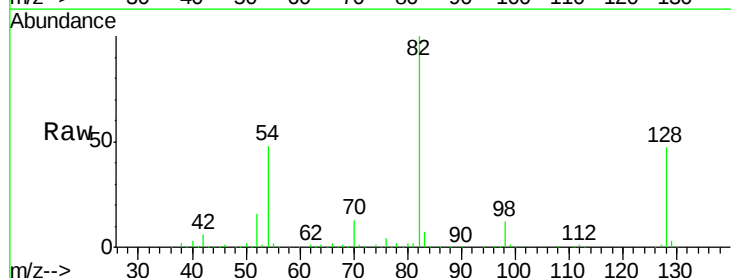


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

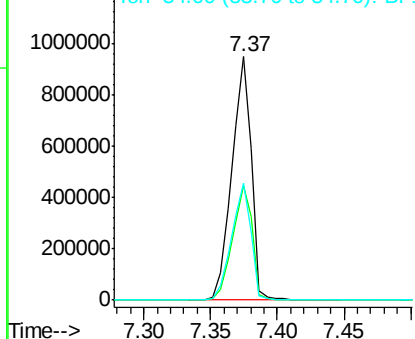
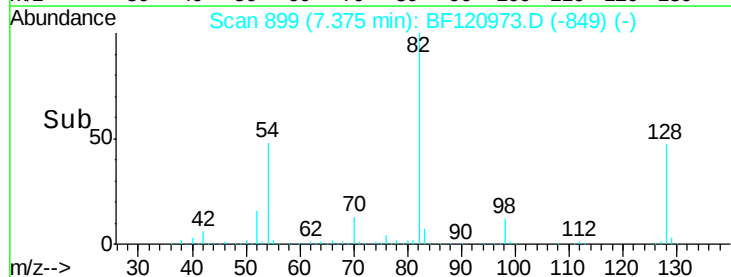


#23
Nitrobenzene-d5
Concen: 83.416 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF120973.D
Acq: 22 Jul 2020 19:40

Tgt Ion: 82	Resp:	975391
Ion Ratio	Lower	Upper
82	100	
128	47.1	38.2 57.4
54	48.1	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

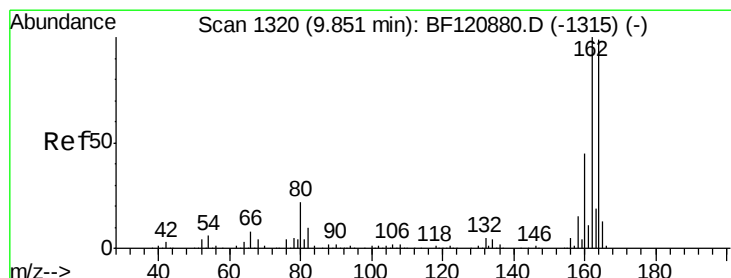
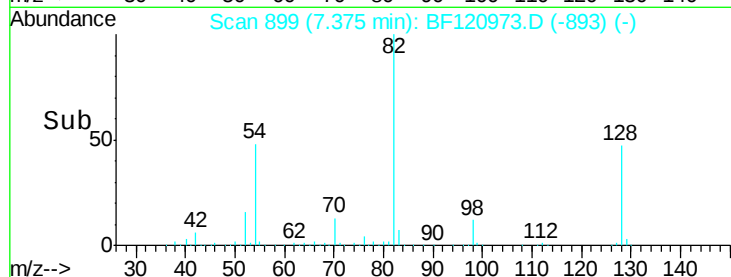
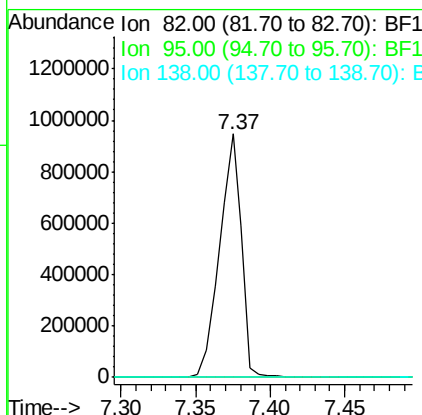
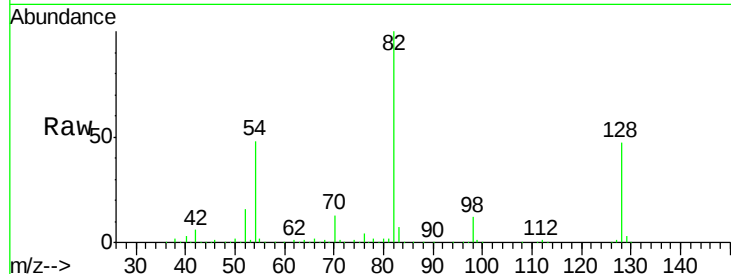




#25
Isophorone
Concen: 41.681 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF120973.D
Acq: 22 Jul 2020 19:40

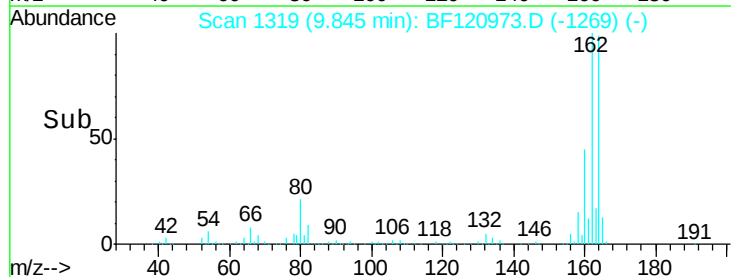
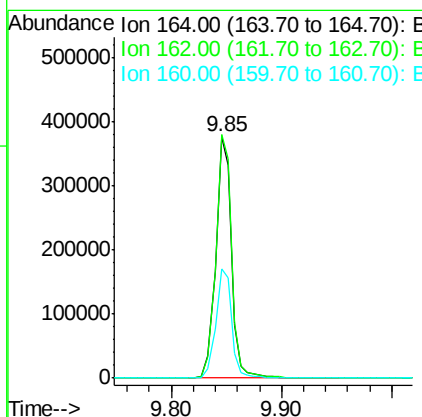
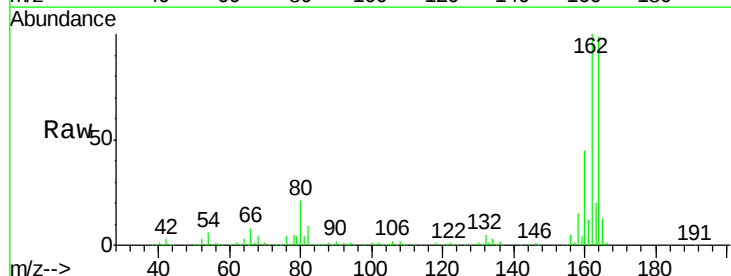
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 972706
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.6 23.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF120973.D
Acq: 22 Jul 2020 19:40

Tgt Ion:164 Resp: 369046
Ion Ratio Lower Upper
164 100
162 101.0 81.2 121.8
160 45.3 36.9 55.3

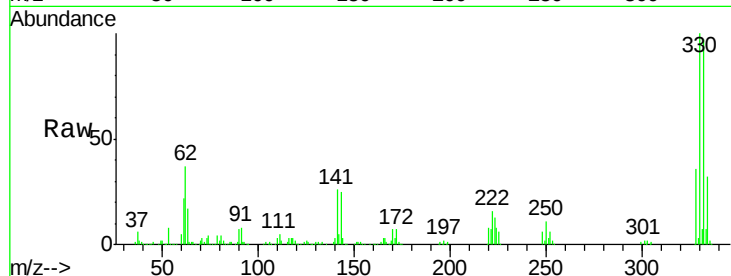




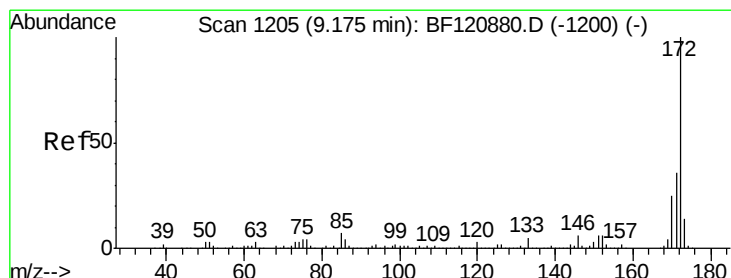
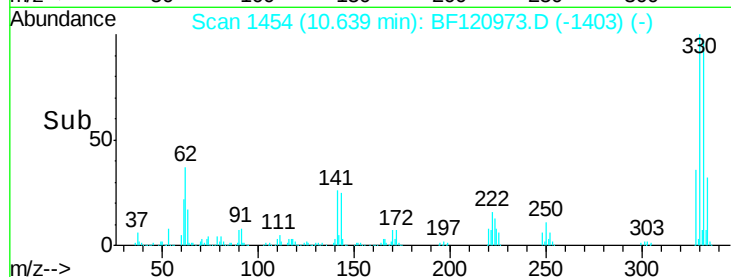
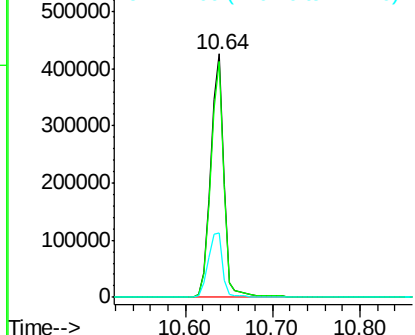
#42
 2,4,6-Tribromophenol
 Concen: 111.825 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF120973.D
 Acq: 22 Jul 2020 19:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 451726
 Ion Ratio Lower Upper
 330 100
 332 96.5 75.5 113.3
 141 29.9 25.7 38.5

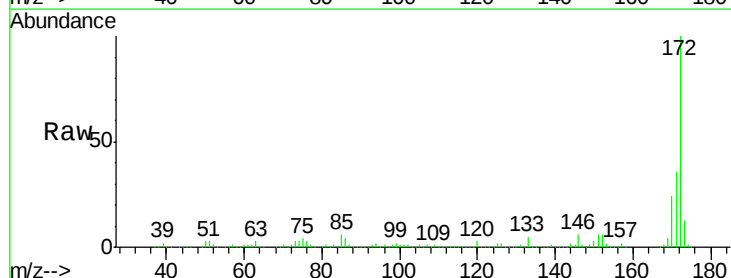


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

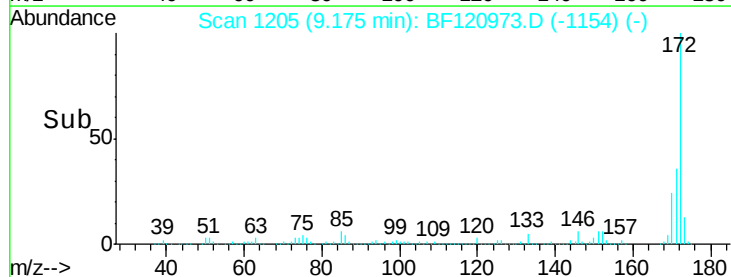
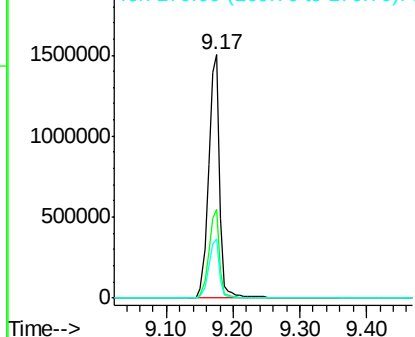


#45
 2-Fluorobiphenyl
 Concen: 69.479 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF120973.D
 Acq: 22 Jul 2020 19:40

Tgt Ion:172 Resp: 1717357
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.4
 170 24.5 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

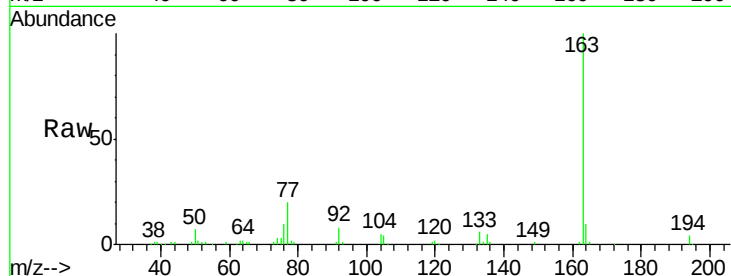




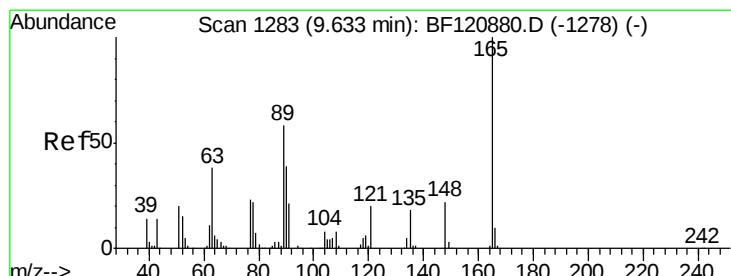
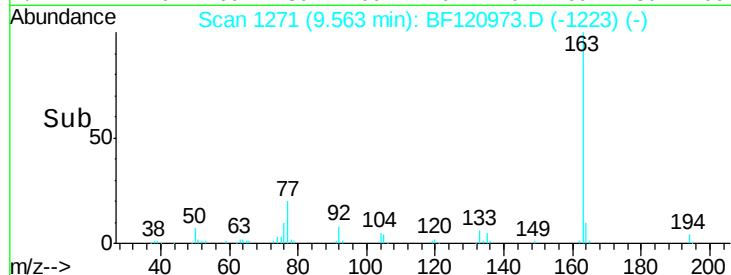
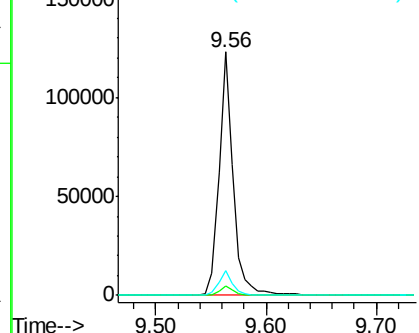
#50
Dimethylphthalate
Concen: 4.044 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF120973.D
Acq: 22 Jul 2020 19:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 107662
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 10.1 7.9 11.9

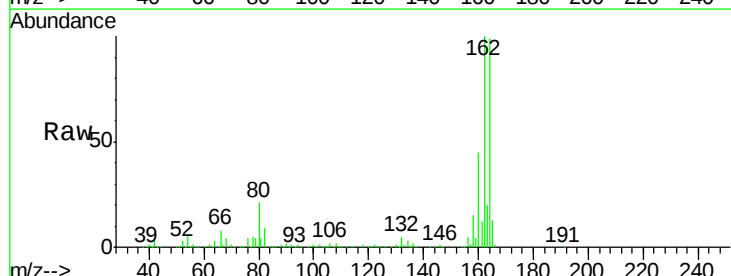


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

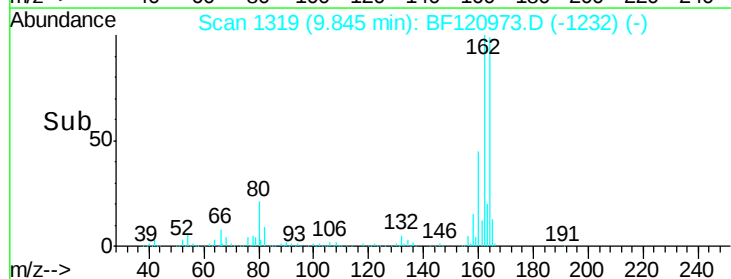
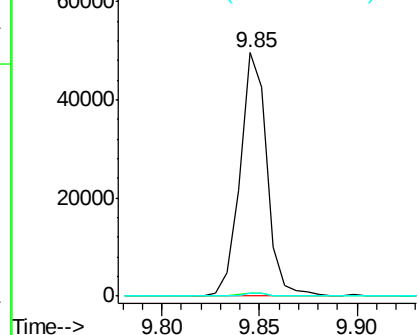


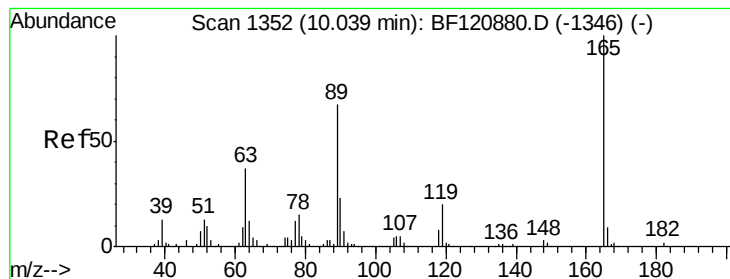
#51
2,6-Dinitrotoluene
Concen: 8.233 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF120973.D
Acq: 22 Jul 2020 19:40

Tgt Ion:165 Resp: 47094
Ion Ratio Lower Upper
165 100
63 1.0 45.4 68.2#
89 1.2 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





#57

2,4-Dinitrotoluene

Concen: 6.270 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.19 min

Lab File: BF120973.D

Acq: 22 Jul 2020 19:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 47094

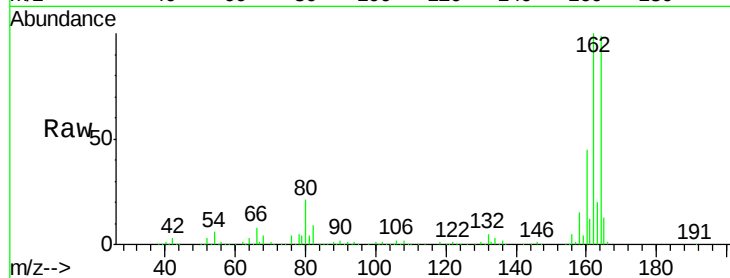
Ion Ratio Lower Upper

165 100

63 1.0 29.4 44.2#

89 1.2 53.4 80.0#

182 0.0 1.8 2.6#

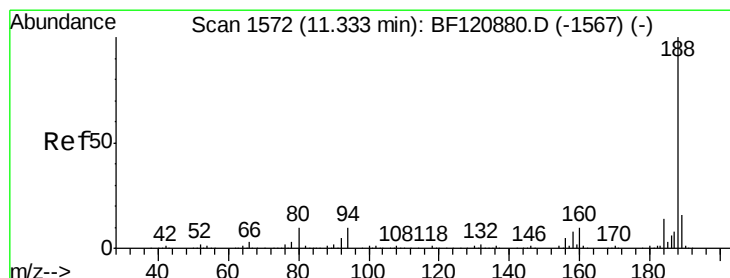
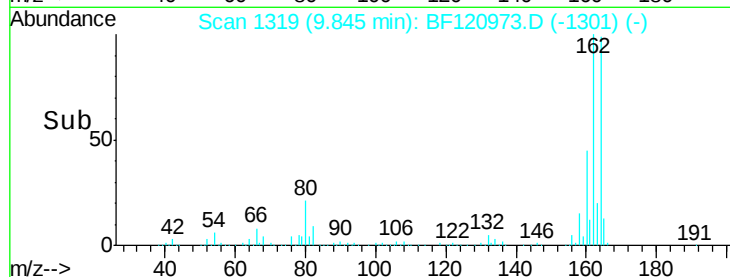
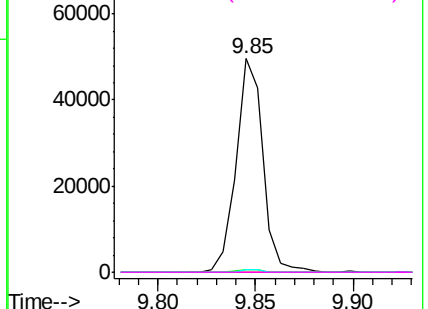


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF120973.D

Acq: 22 Jul 2020 19:40

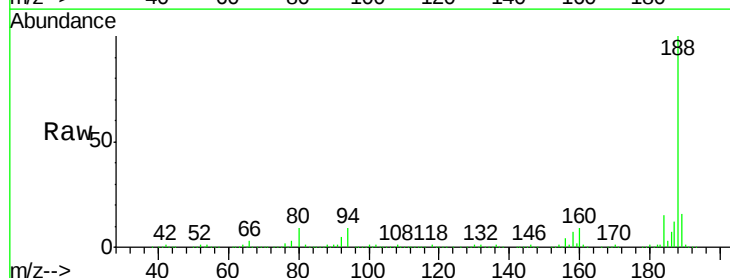
Tgt Ion:188 Resp: 714950

Ion Ratio Lower Upper

188 100

94 8.6 8.0 12.0

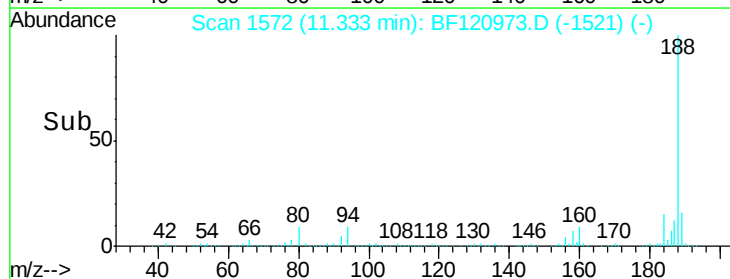
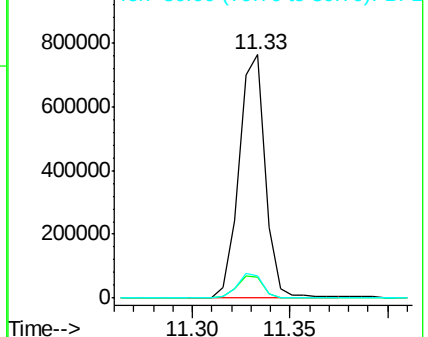
80 8.9 8.3 12.5

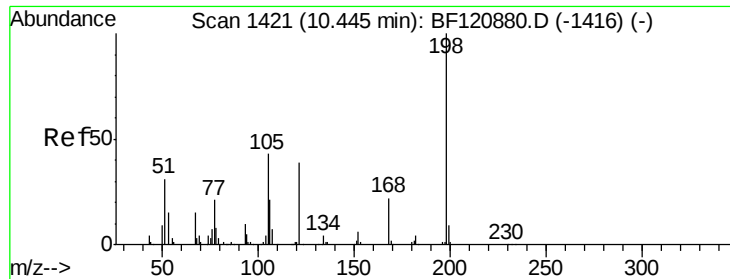


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.021 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.19 min

Lab File: BF120973.D

Acq: 22 Jul 2020 19:40

Instrument :

BNA_F

ClientSampleId :

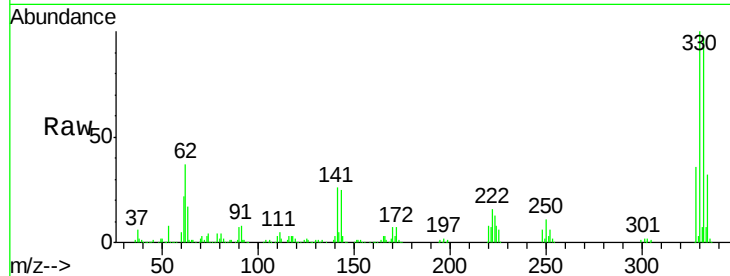
Tot Ion:198 Resp: 802

Ion Ratio Lower Upper

198 100

51 124.2 19.5 59.5#

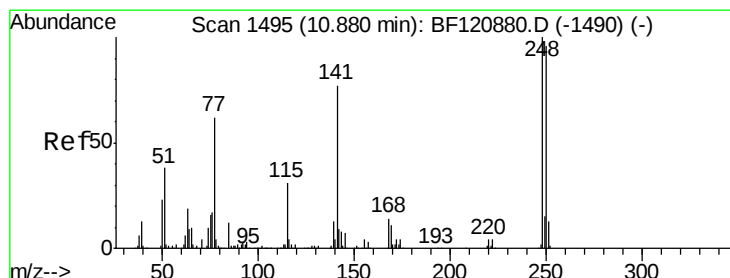
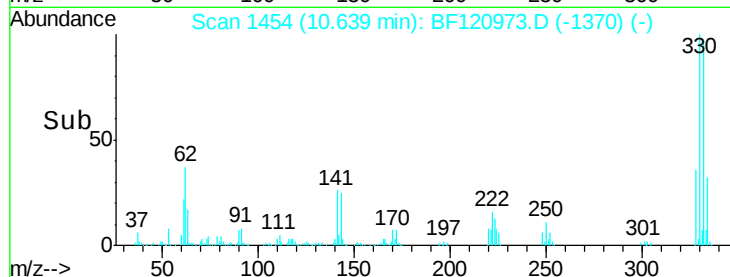
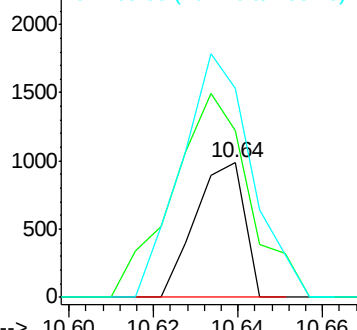
105 155.9 24.4 64.4#



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



#67

4-Bromophenyl-phenylether

Concen: 3.303 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF120973.D

Acq: 22 Jul 2020 19:40

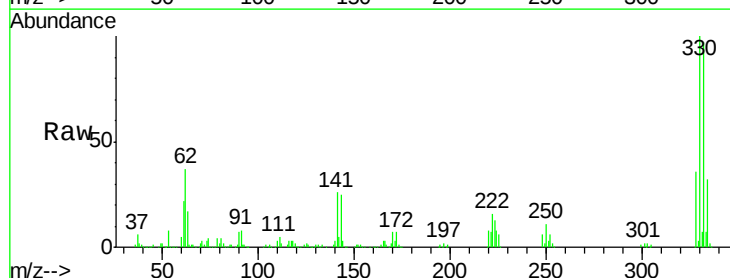
Tgt Ion:248 Resp: 26330

Ion Ratio Lower Upper

248 100

250 199.4 77.1 115.7#

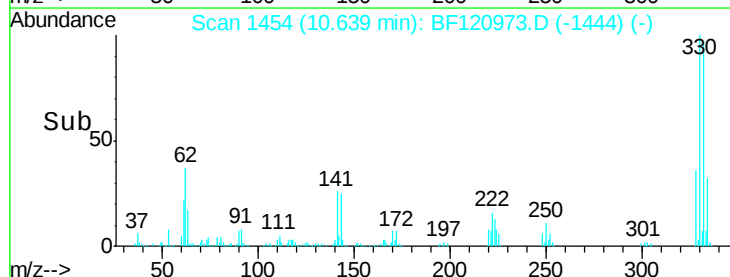
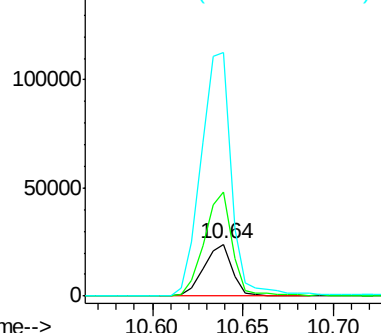
141 466.2 61.2 91.8#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF120973.D

Acq: 22 Jul 2020 19:40

Instrument :

BNA_F

ClientSampleId :

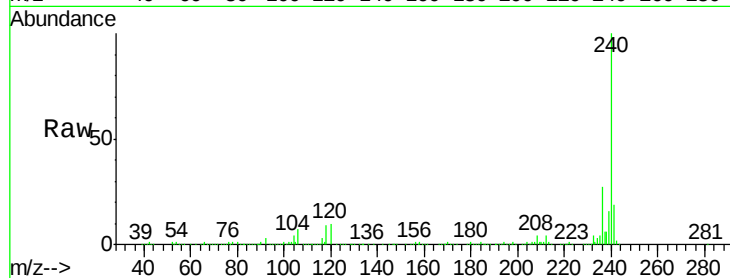
Tot Ion:240 Resp: 610147

Ion Ratio Lower Upper

240 100

120 10.3 9.0 13.4

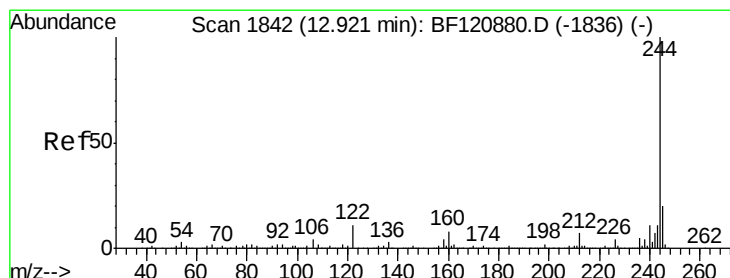
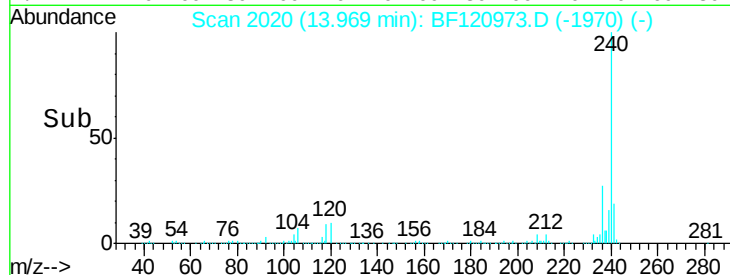
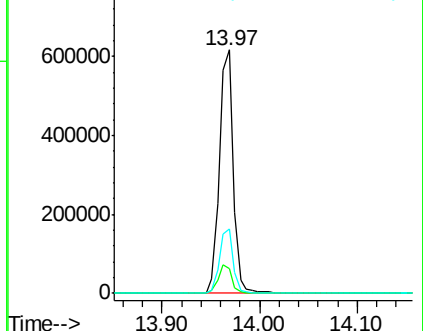
236 26.5 21.7 32.5



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: 65.486 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF120973.D

Acq: 22 Jul 2020 19:40

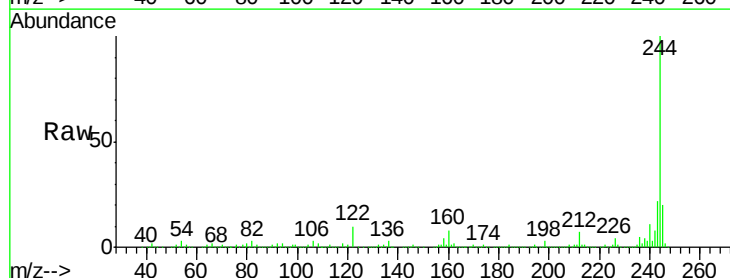
Tgt Ion:244 Resp: 1838088

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

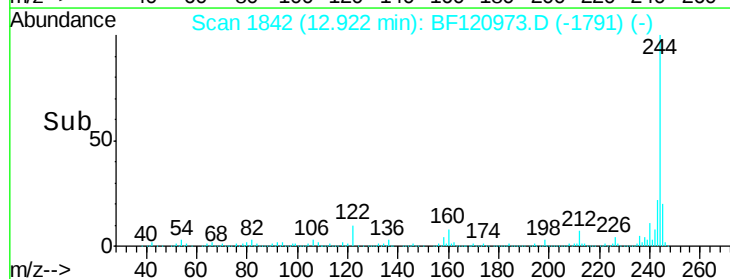
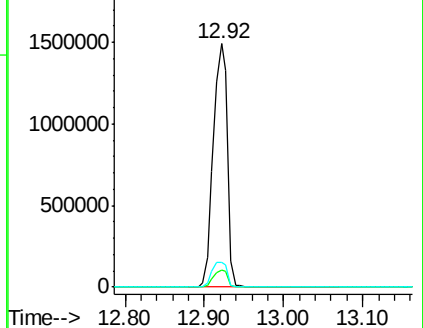
122 10.3 8.9 13.3

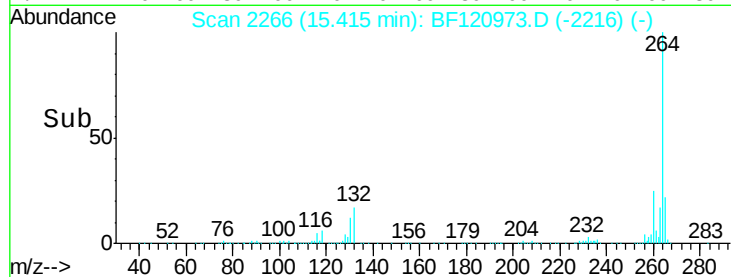
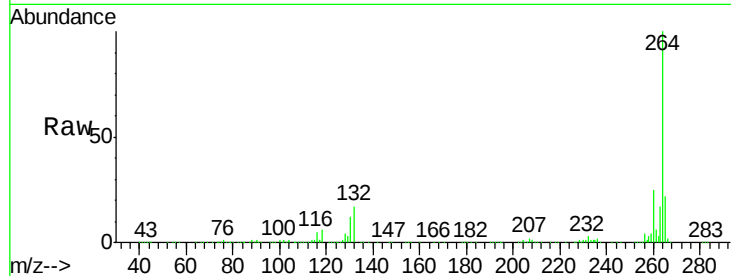
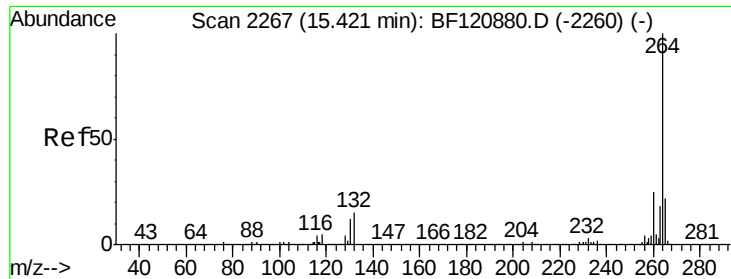


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF120973.D
Acq: 22 Jul 2020 19:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	526149
Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.0	30.0
265	22.3	17.4	26.2

