

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072220\
 Data File : BF120971.D
 Acq On : 22 Jul 2020 18:38
 Operator : JU/CG
 Sample : L3189-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 22 19:09:19 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	179221	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	687331	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	363948	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	692194	20.00	ng	0.00
76) Chrysene-d12	13.97	240	573036	20.00	ng	0.00
86) Perylene-d12	15.42	264	473166	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1159019	106.02	ng	0.02
7) Phenol-d6	6.45	99	1259958	89.22	ng	0.00
23) Nitrobenzene-d5	7.37	82	974259	82.02	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	448406	112.56	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1677204	68.80	ng	0.00
79) Terphenyl-d14	12.92	244	1789846	67.90	ng	0.00

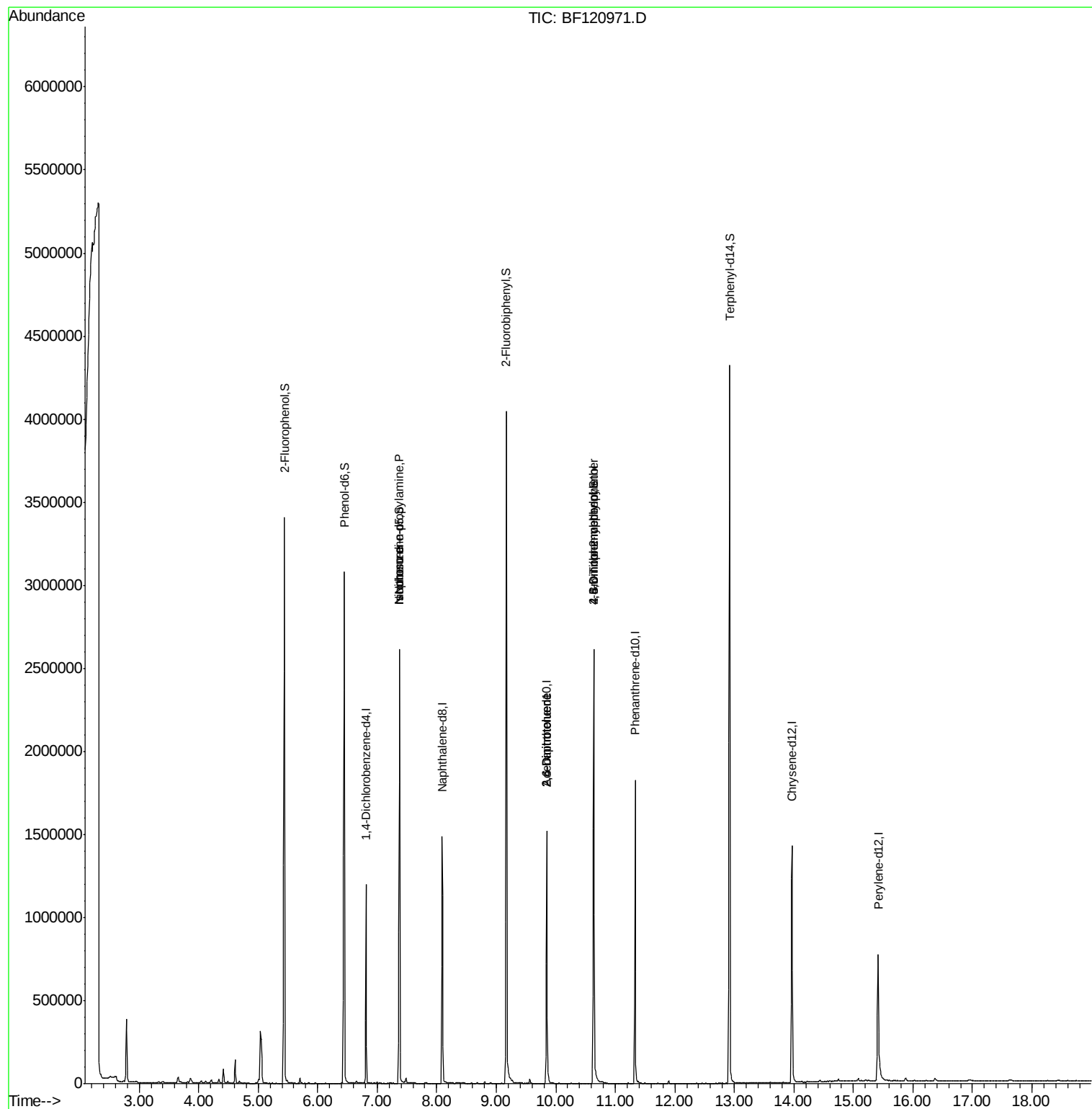
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1739	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	128938	16.057	ng	# 77
25) Isophorone	7.37	82	974250	41.095	ng	# 63
51) 2,6-Dinitrotoluene	9.85	165	45814	8.122	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	45814	6.185	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.63	198	804	4.027	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	26268	3.404	ng	# 1

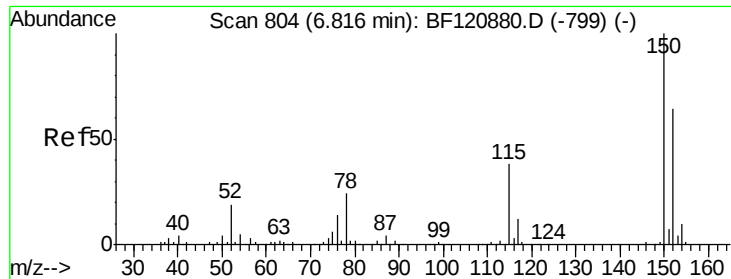
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072220\
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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: BF120971.D

Acq: 22 Jul 2020 18:38

Instrument :

BNA_F

ClientSampleId :

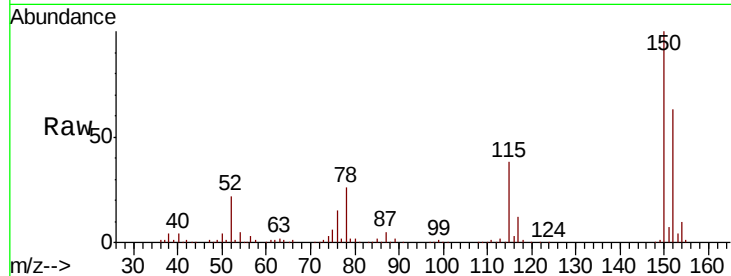
Tot Ion:152 Resp: 179221

Ion Ratio Lower Upper

152 100

150 158.5 125.0 187.6

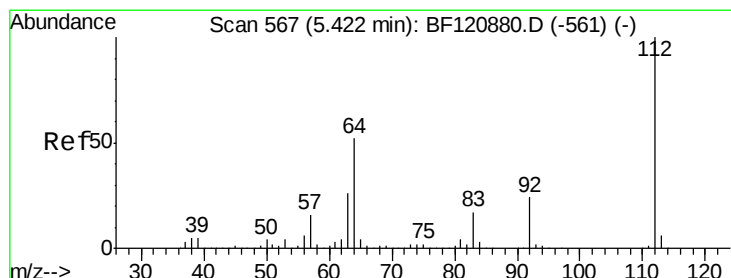
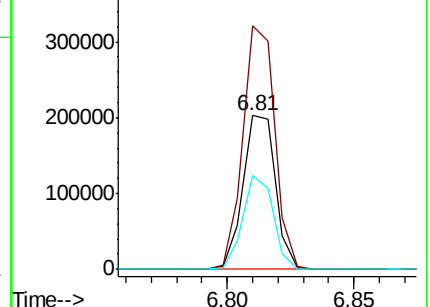
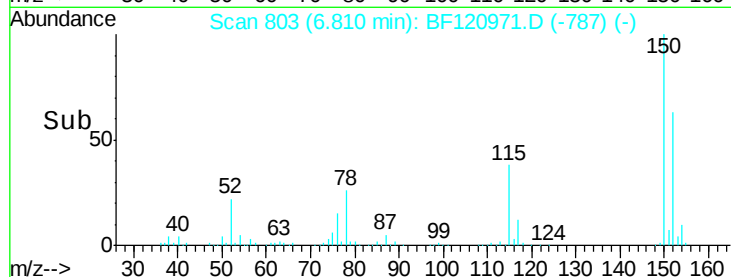
115 60.8 47.0 70.4



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: 106.017 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.02 min

Lab File: BF120971.D

Acq: 22 Jul 2020 18:38

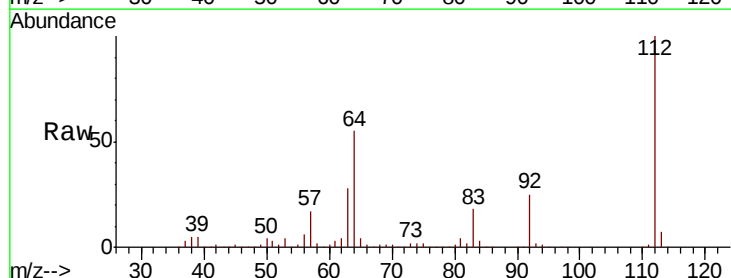
Tgt Ion:112 Resp: 1159019

Ion Ratio Lower Upper

112 100

64 54.6 41.3 61.9

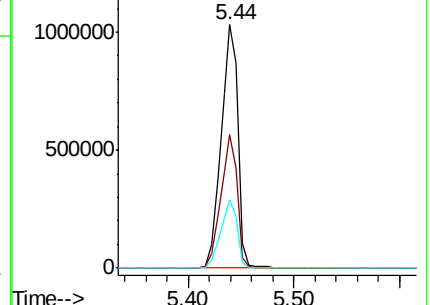
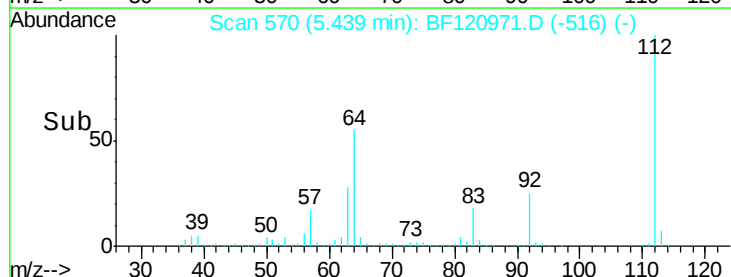
63 28.0 21.1 31.7

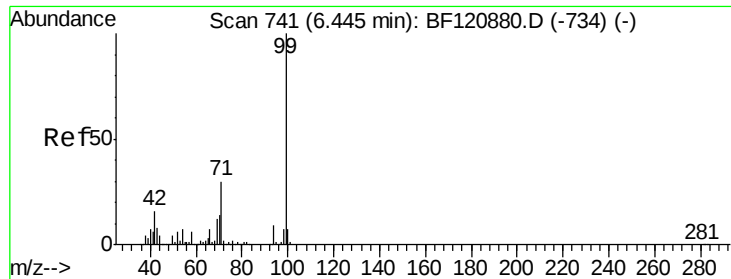


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 89.220 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF120971.D

Acq: 22 Jul 2020 18:38

Instrument :

BNA_F

ClientSampleId :

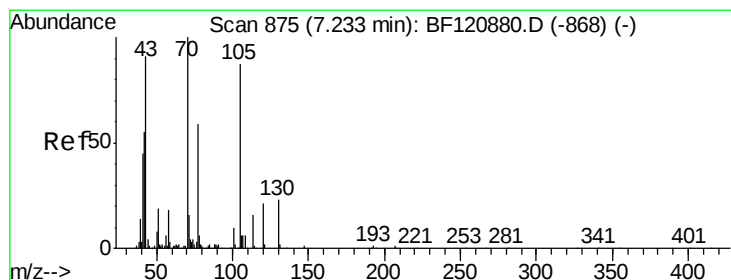
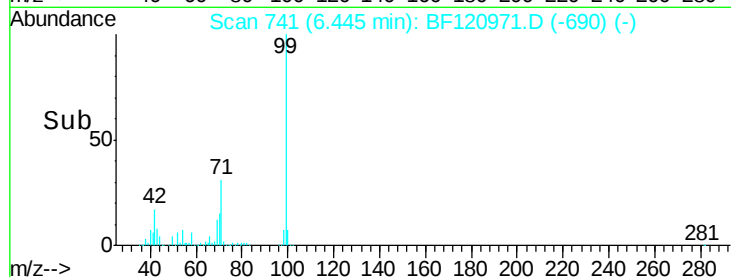
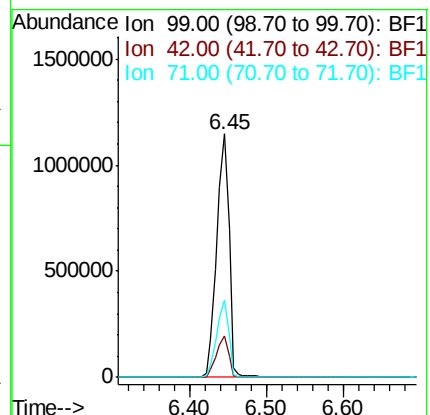
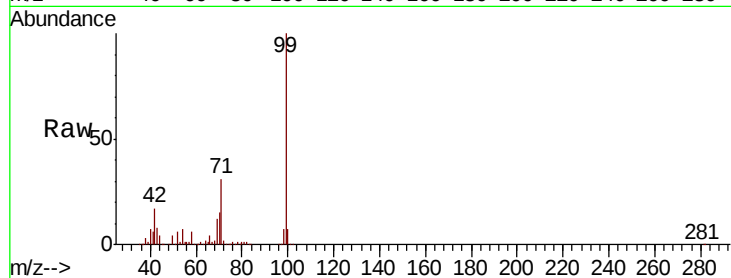
Tot Ion: 99 Resp: 1259958

Ion Ratio Lower Upper

99 100

42 17.0 13.1 19.7

71 31.5 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 16.057 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF120971.D

Acq: 22 Jul 2020 18:38

Tgt Ion: 70 Resp: 128938

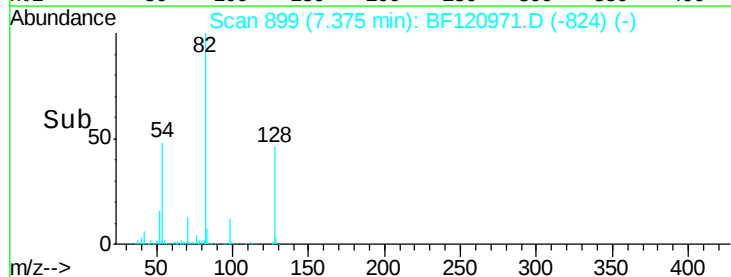
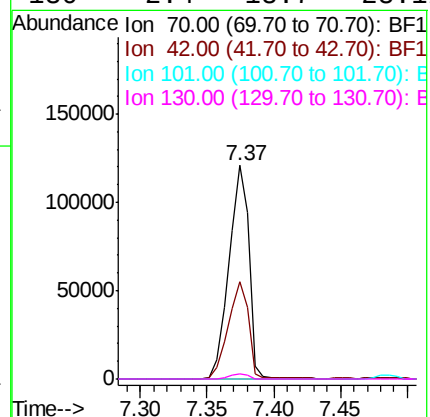
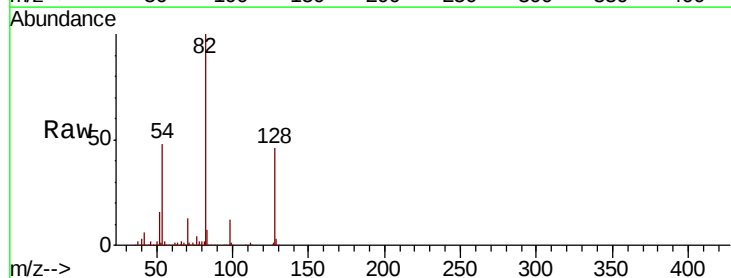
Ion Ratio Lower Upper

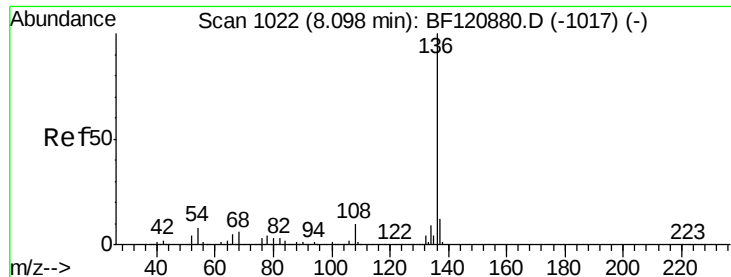
70 100

42 45.3 44.0 66.0

101 0.0 7.8 11.6#

130 2.4 18.7 28.1#

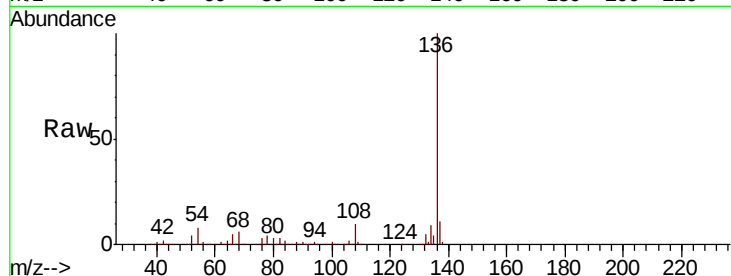




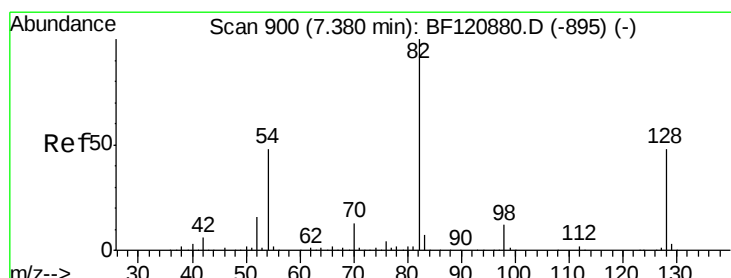
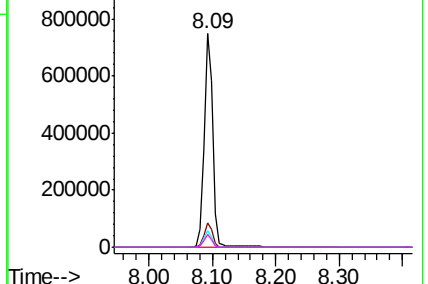
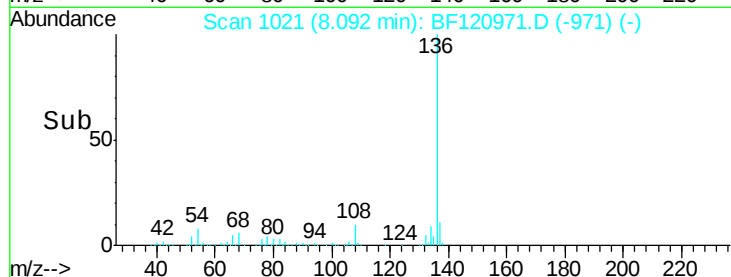
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF120971.D
Acq: 22 Jul 2020 18:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	687331	
Ion Ratio	Lower	Upper	
136 100			
137 11.4	9.3	13.9	
54 7.5	6.3	9.5	
68 6.0	5.0	7.4	

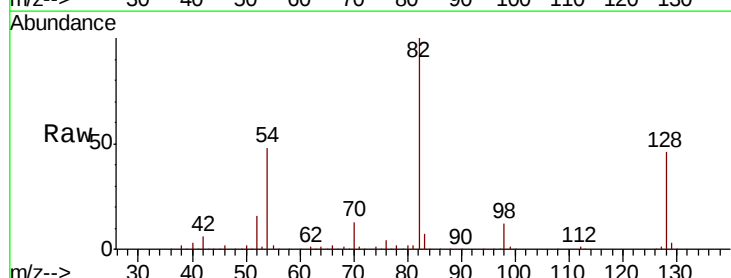


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

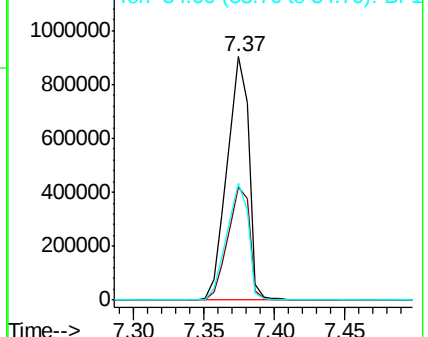
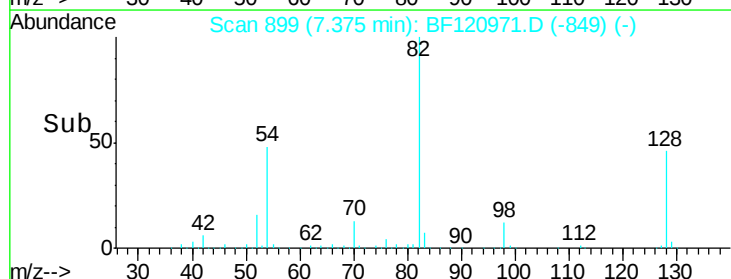


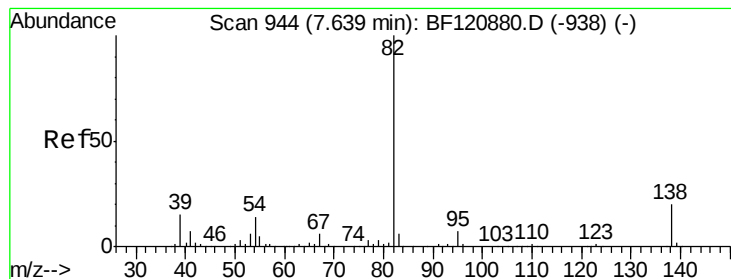
#23
Nitrobenzene-d5
Concen: 82.018 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF120971.D
Acq: 22 Jul 2020 18:38

Tgt Ion: 82	Resp: 974259
Ion Ratio	Lower Upper
82 100	
128 46.3	38.2 57.4
54 48.2	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: 41.095 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF120971.D

Acq: 22 Jul 2020 18:38

Instrument :

BNA_F

ClientSampleId :

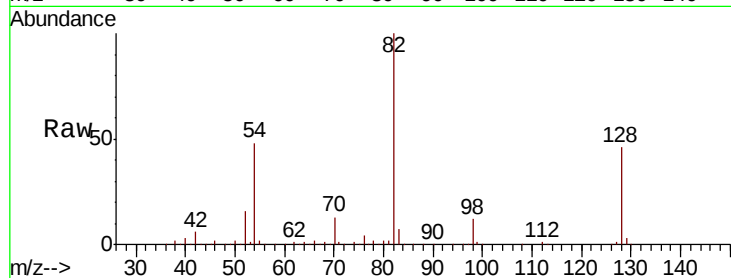
Tot Ion: 82 Resp: 974250

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

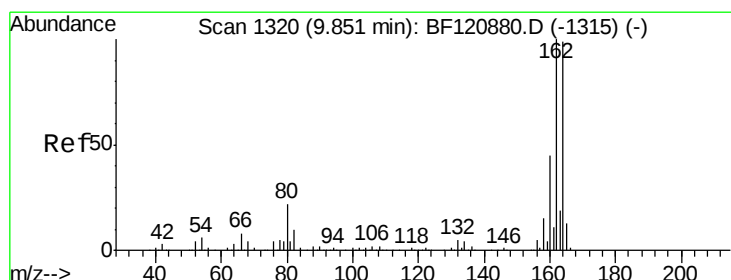
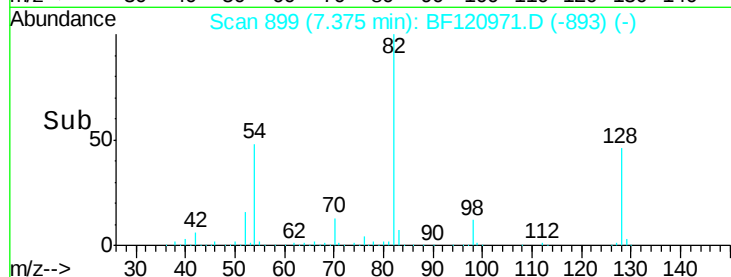
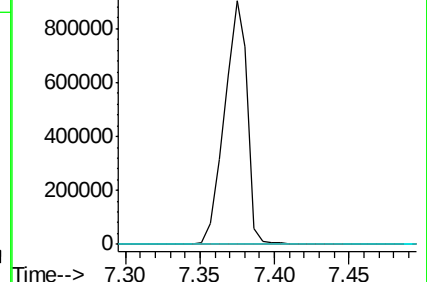
138 0.0 15.6 23.4#



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: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF120971.D

Acq: 22 Jul 2020 18:38

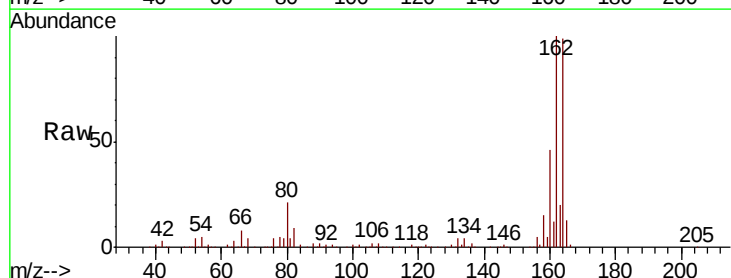
Tgt Ion: 164 Resp: 363948

Ion Ratio Lower Upper

164 100

162 100.6 81.2 121.8

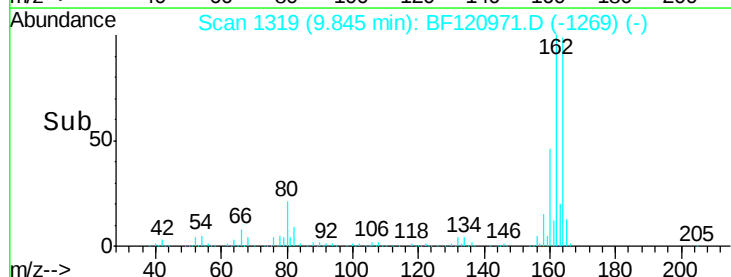
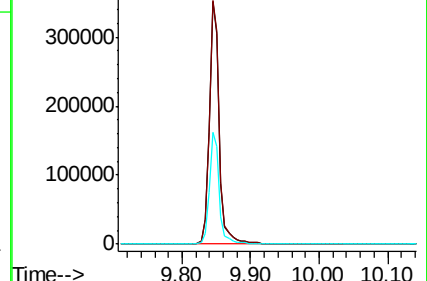
160 45.9 36.9 55.3

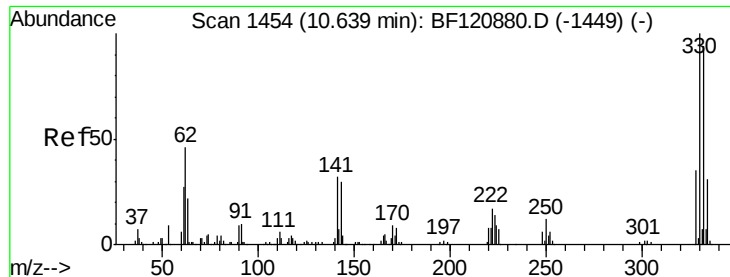


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 112.558 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.00 min

Lab File: BF120971.D

Acq: 22 Jul 2020 18:38

Instrument :

BNA_F

ClientSampled :

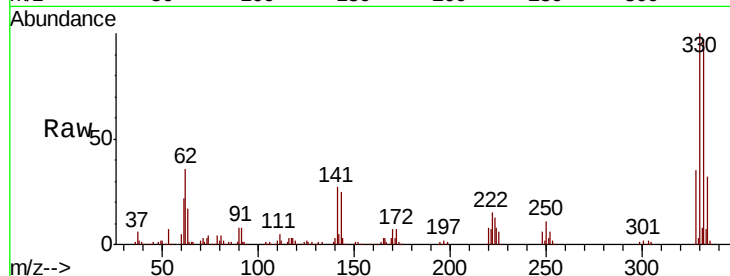
Tot Ion:330 Resp: 448406

Ion Ratio Lower Upper

330 100

332 97.4 75.5 113.3

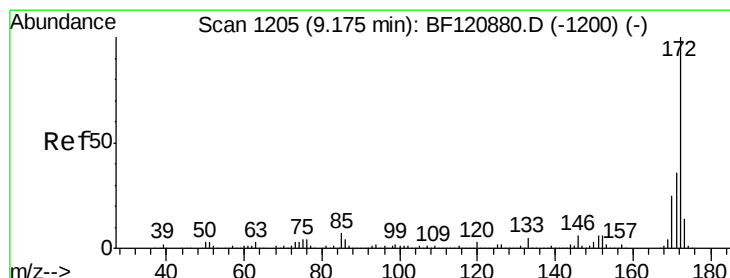
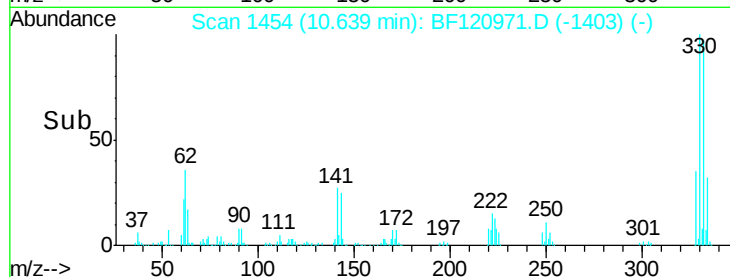
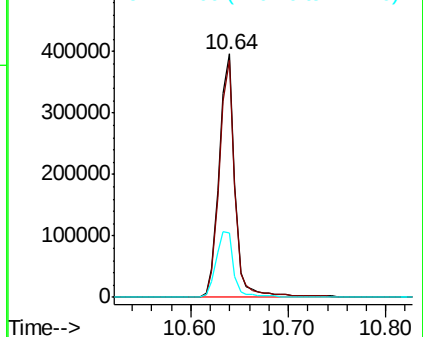
141 30.7 25.7 38.5



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: 68.805 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF120971.D

Acq: 22 Jul 2020 18:38

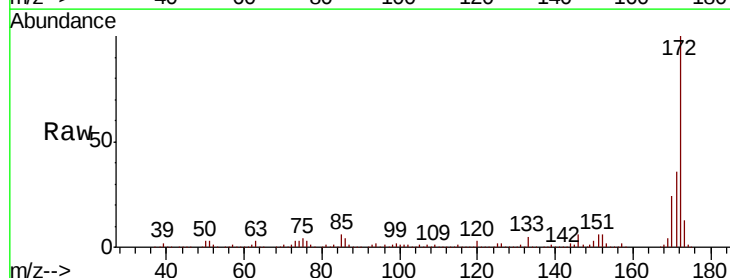
Tgt Ion:172 Resp: 1677204

Ion Ratio Lower Upper

172 100

171 36.1 29.0 43.4

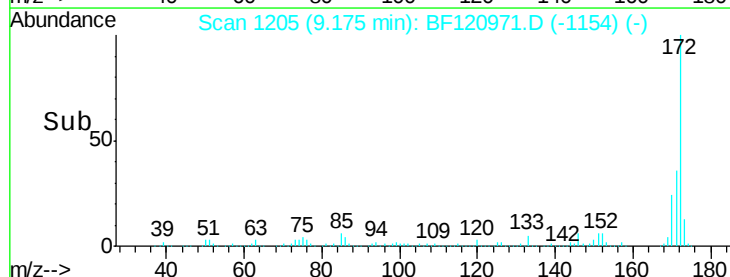
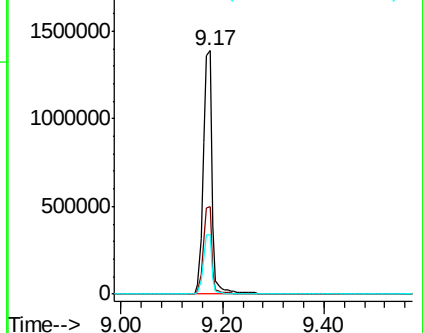
170 24.4 19.6 29.4

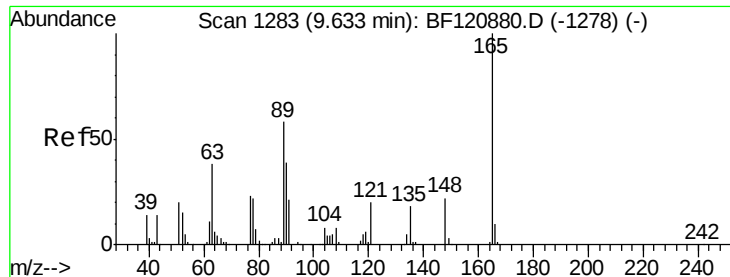


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.122 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF120971.D

Acq: 22 Jul 2020 18:38

Instrument :

BNA_F

ClientSampleId :

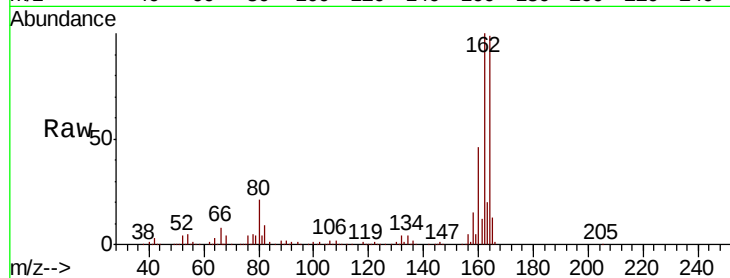
Tot Ion:165 Resp: 45814

Ion Ratio Lower Upper

165 100

63 1.2 45.4 68.2#

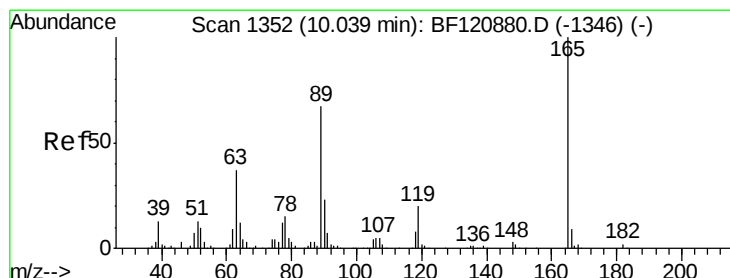
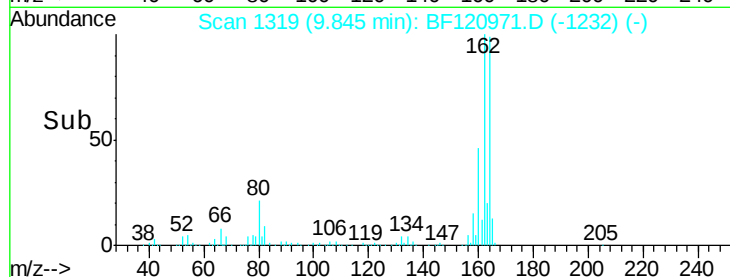
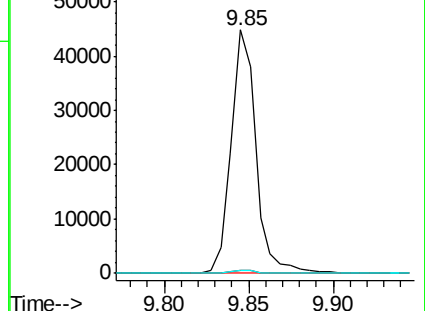
89 1.4 47.0 70.4#



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: 6.185 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.19 min

Lab File: BF120971.D

Acq: 22 Jul 2020 18:38

Tgt Ion:165 Resp: 45814

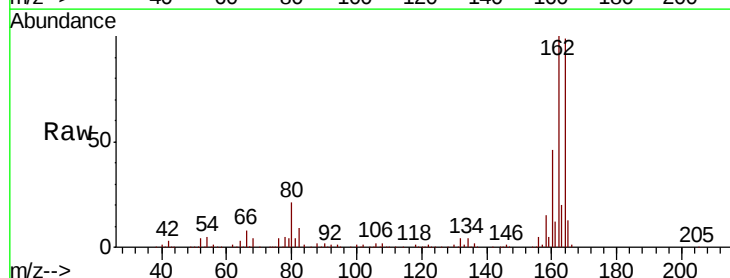
Ion Ratio Lower Upper

165 100

63 1.2 29.4 44.2#

89 1.4 53.4 80.0#

182 0.0 1.8 2.6#

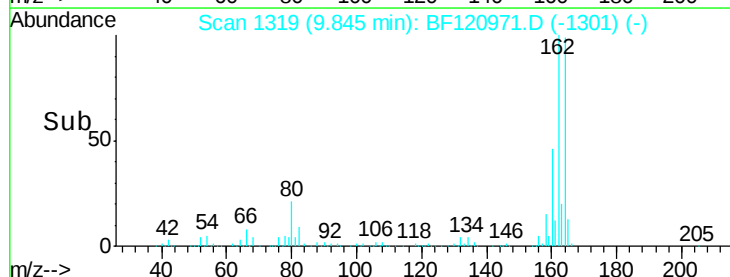
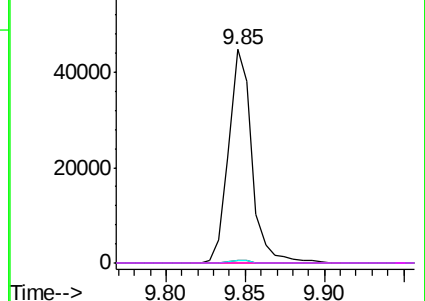


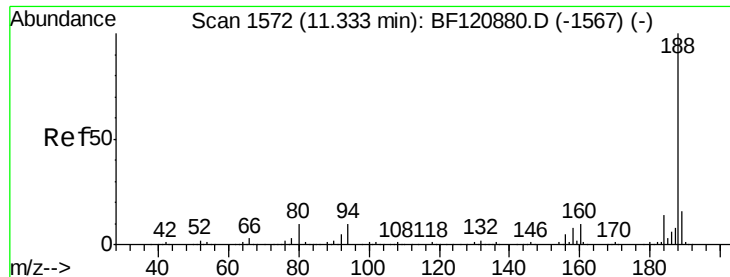
Abundance Ion 165.00 (164.70 to 165.70): E

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

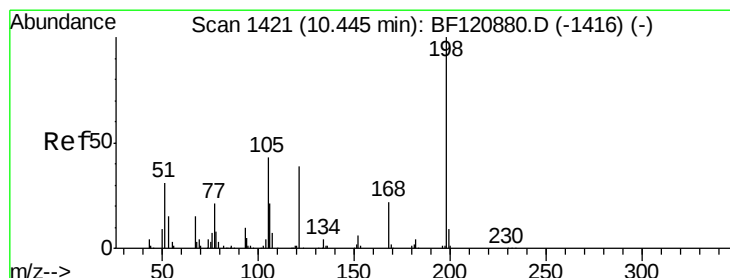
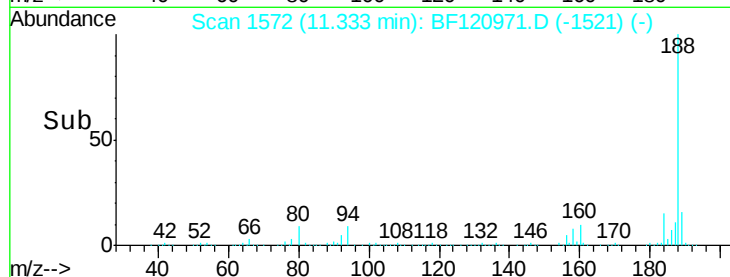
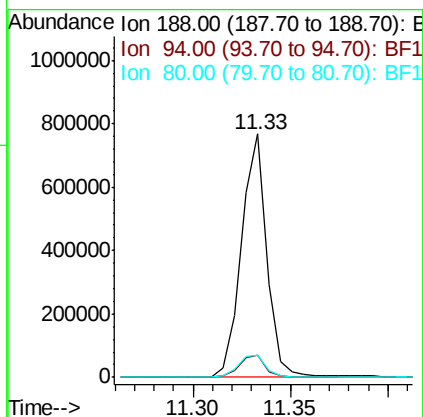
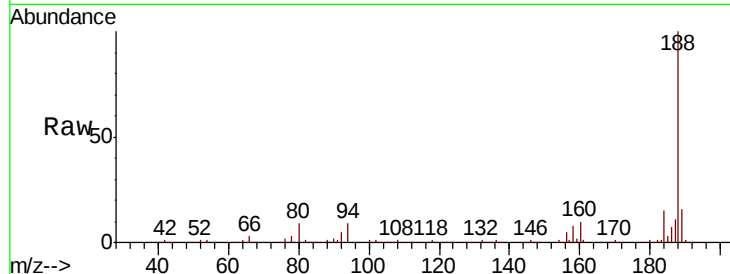




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF120971.D
Acq: 22 Jul 2020 18:38

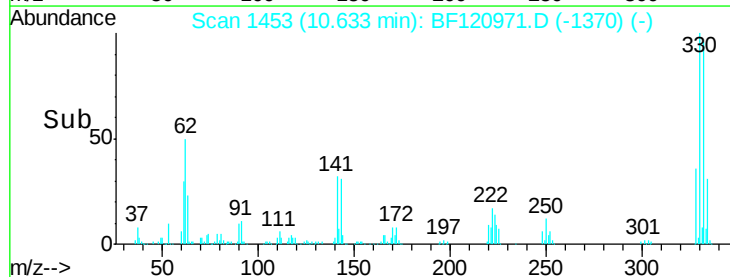
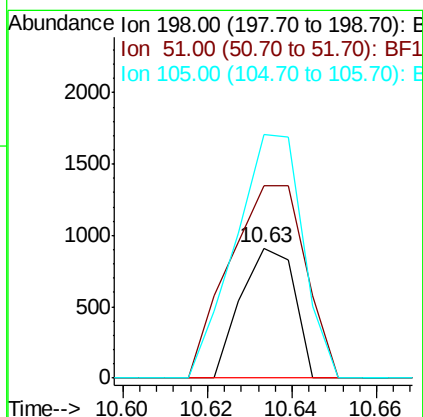
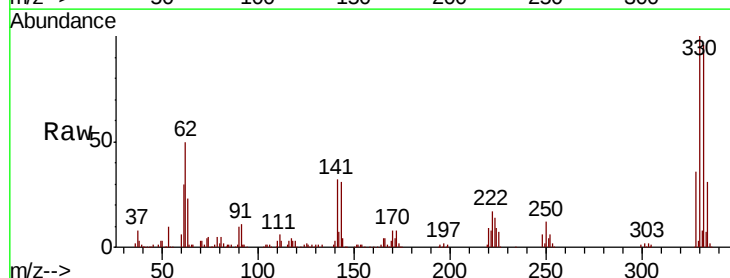
Instrument :
BNA_F
ClientSampleId :

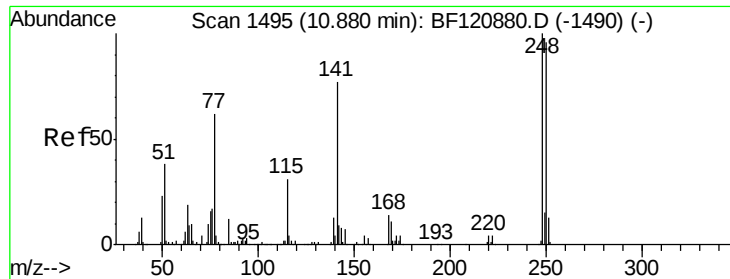
Tot Ion:188 Resp: 692194
Ion Ratio Lower Upper
188 100
94 9.0 8.0 12.0
80 9.1 8.3 12.5



#65
4,6-Dinitro-2-methylphenol
Concen: 4.027 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.19 min
Lab File: BF120971.D
Acq: 22 Jul 2020 18:38

Tgt Ion:198 Resp: 804
Ion Ratio Lower Upper
198 100
51 148.5 19.5 59.5#
105 187.4 24.4 64.4#

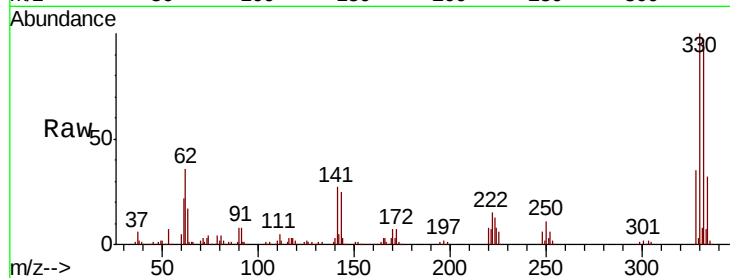




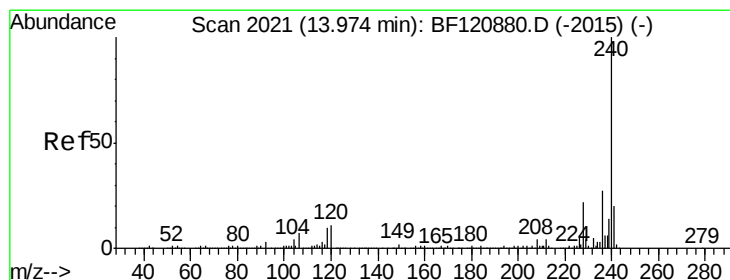
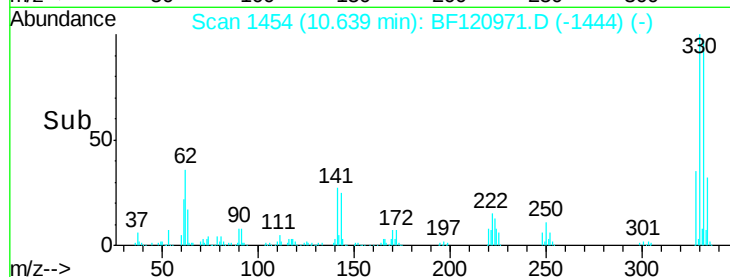
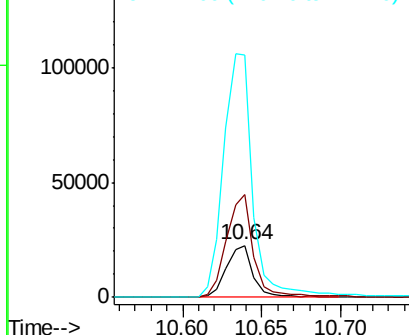
#67
4-Bromophenyl-phenylether
Concen: 3.404 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF120971.D
Acq: 22 Jul 2020 18:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 26268
Ion Ratio Lower Upper
248 100
250 198.9 77.1 115.7#
141 468.5 61.2 91.8#

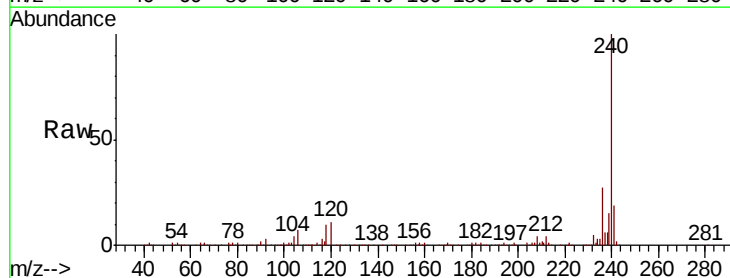


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

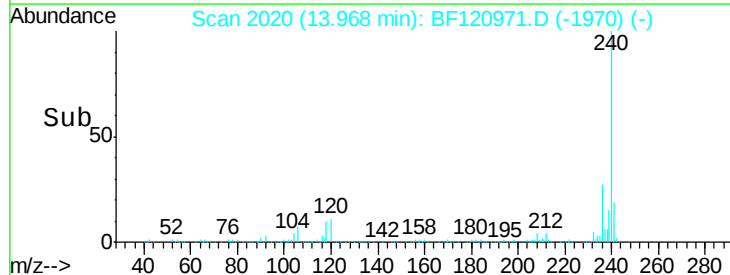
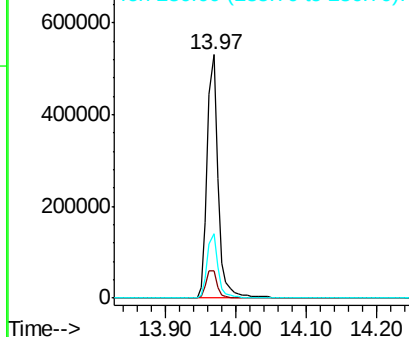


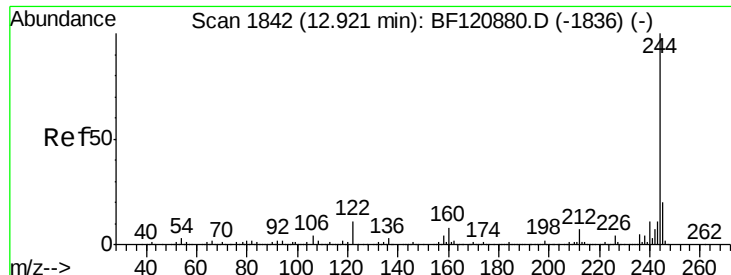
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF120971.D
Acq: 22 Jul 2020 18:38

Tgt Ion:240 Resp: 573036
Ion Ratio Lower Upper
240 100
120 11.0 9.0 13.4
236 26.6 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: 67.897 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF120971.D

Acq: 22 Jul 2020 18:38

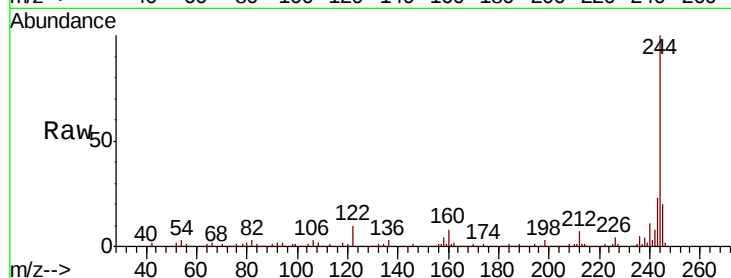
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1789846

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.6	8.4
122	10.2	8.9	13.3

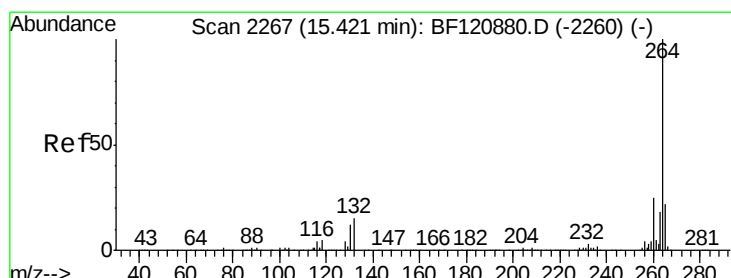
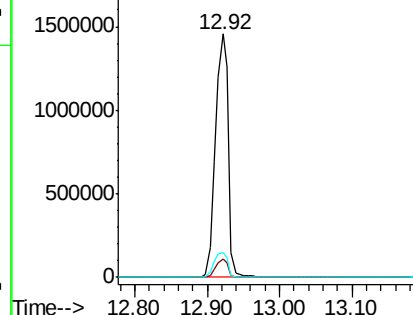
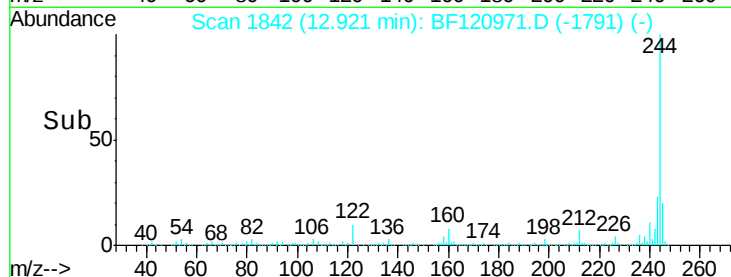


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

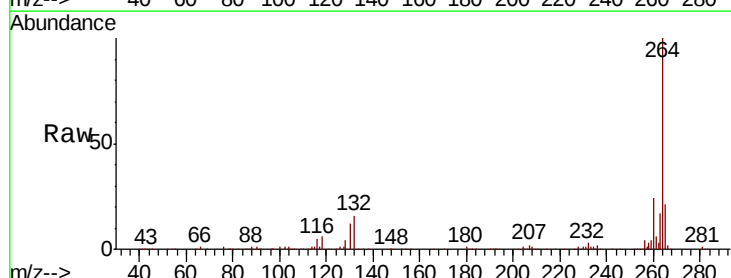
Delta R.T. -0.01 min

Lab File: BF120971.D

Acq: 22 Jul 2020 18:38

Tgt Ion:264 Resp: 473166

Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.0	30.0
265	21.4	17.4	26.2



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

