

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092320\
 Data File : BF121671.D
 Acq On : 23 Sep 2020 17:10
 Operator : JU/CG
 Sample : L3863-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-092220

Quant Time: Sep 23 17:35:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 17:53:26 2020
 Response via : Initial Calibration

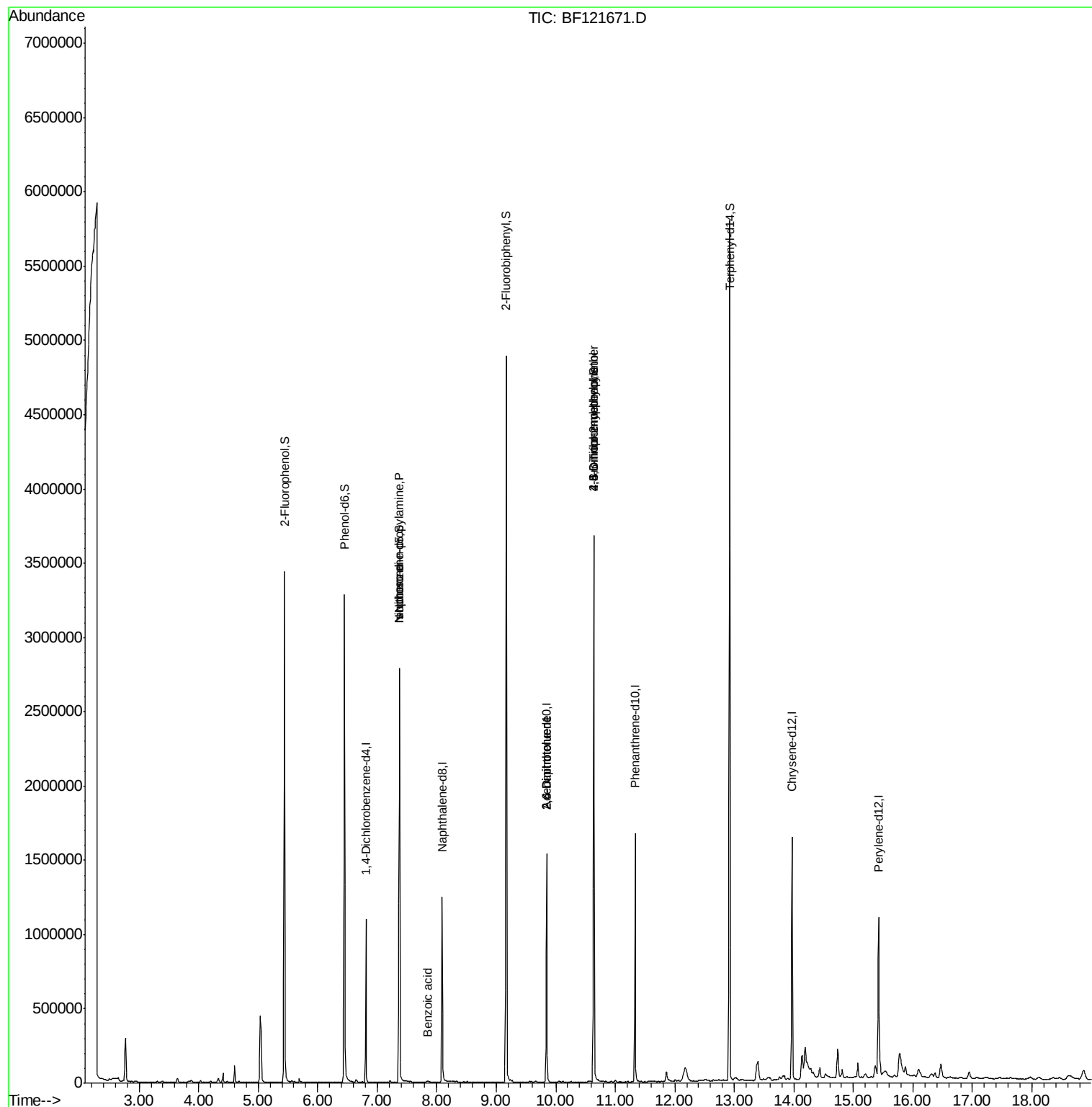
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	146746	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	573863	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	303809	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	597383	20.00	ng	0.00
76) Chrysene-d12	13.97	240	564648	20.00	ng	-0.01
86) Perylene-d12	15.42	264	509637	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1057655	107.11	ng	0.02
7) Phenol-d6	6.45	99	1220492	94.21	ng	0.00
23) Nitrobenzene-d5	7.37	82	1034348	96.78	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	542051	143.55	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1775144	88.49	ng	0.00
79) Terphenyl-d14	12.93	244	2179614	78.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	141038	18.890	ng	# 80
25) Isophorone	7.37	82	1023428	47.568	ng	# 67
32) Benzoic acid	7.85	122	2307	7.211	ng	# 90
51) 2,6-Dinitrotoluene	9.85	165	39298	8.380	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	39298	6.661	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.64	198	1012	7.089	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	31590	4.645	ng	# 1

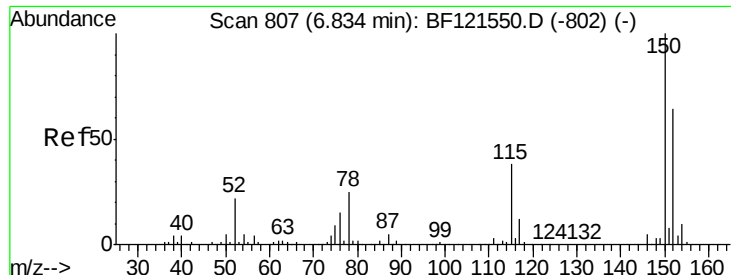
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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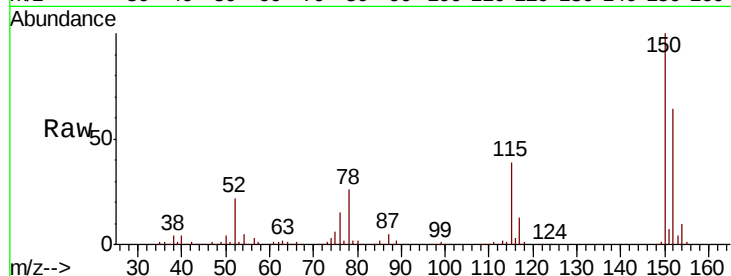


#1

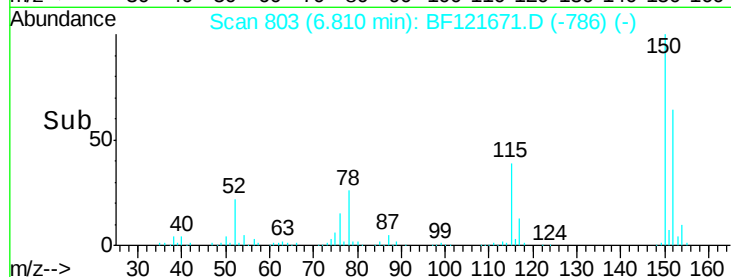
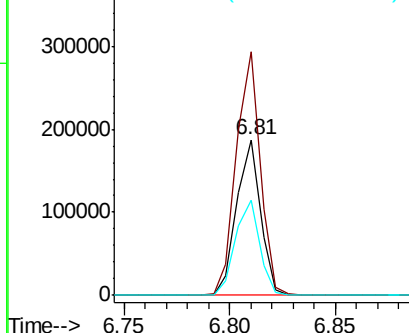
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF121671.D
 Acq: 23 Sep 2020 17:10

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-092220

Tot Ion:152 Resp: 146746
 Ion Ratio Lower Upper
 152 100
 150 156.2 128.1 192.1
 115 60.7 52.6 79.0



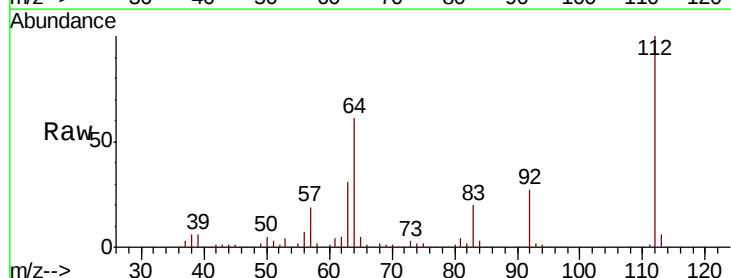
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



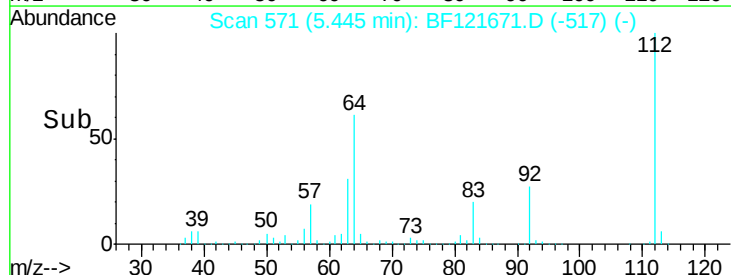
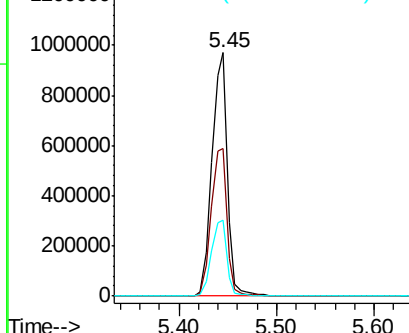
#5

2-Fluorophenol
 Concen: 107.111 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.02 min
 Lab File: BF121671.D
 Acq: 23 Sep 2020 17:10

Tgt Ion:112 Resp: 1057655
 Ion Ratio Lower Upper
 112 100
 64 60.6 52.2 78.2
 63 31.3 26.6 39.8



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: 94.213 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF121671.D

Acq: 23 Sep 2020 17:10

Instrument :

BNA_F

ClientSampleId :

HD-01-092220

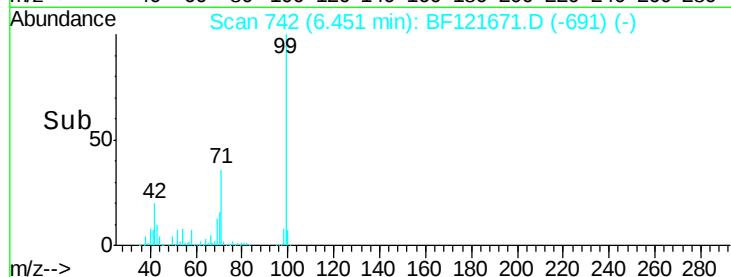
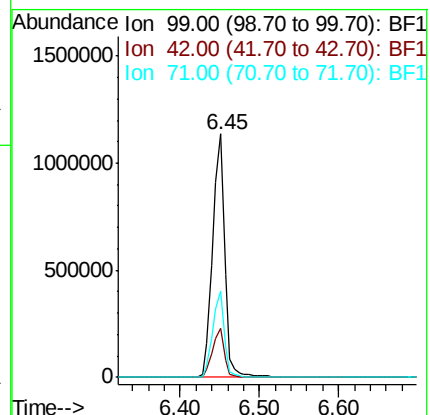
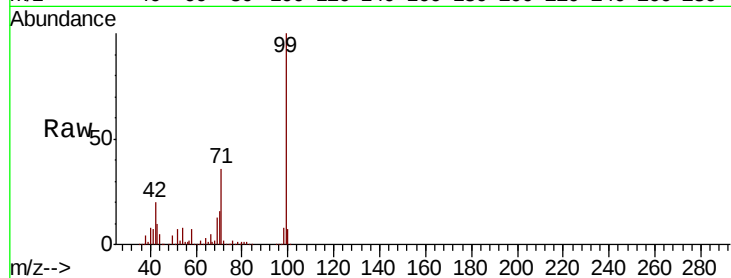
Tot Ion: 99 Resp: 1220492

Ion Ratio Lower Upper

99 100

42 20.0 15.5 23.3

71 35.6 27.4 41.2



#19

n-Nitroso-di-n-propylamine

Concen: 18.890 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF121671.D

Acq: 23 Sep 2020 17:10

Tgt Ion: 70 Resp: 141038

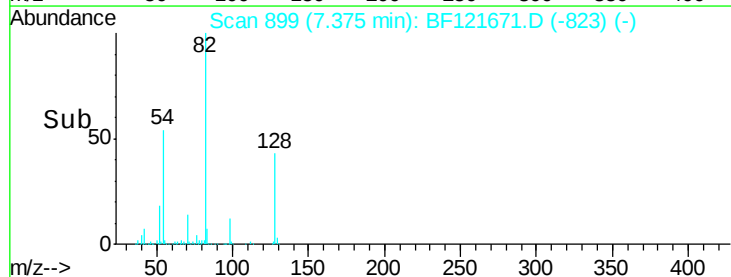
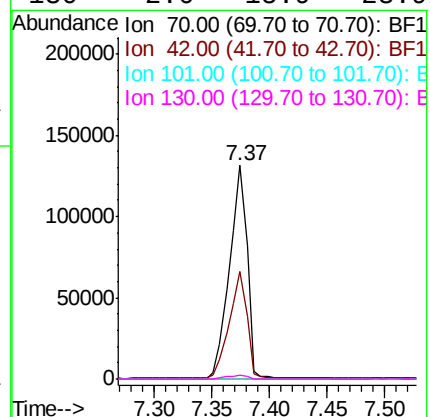
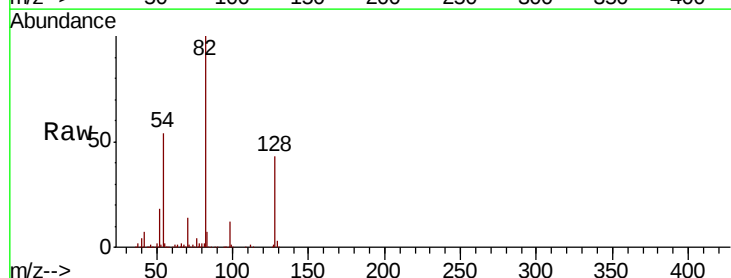
Ion Ratio Lower Upper

70 100

42 50.4 48.3 72.5

101 0.0 7.6 11.4#

130 2.0 15.9 23.9#

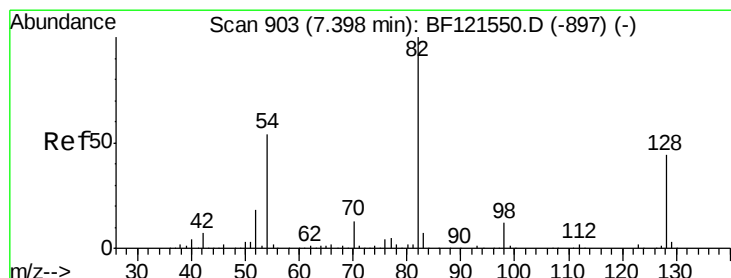
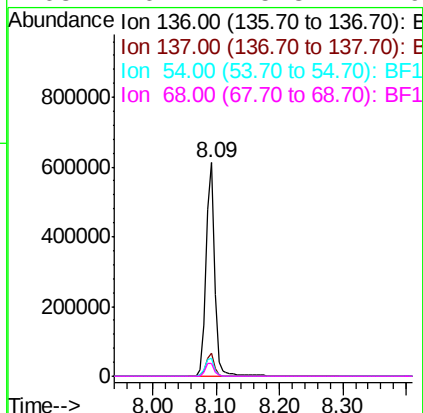
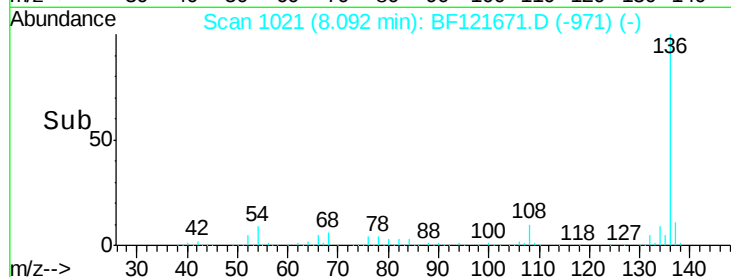
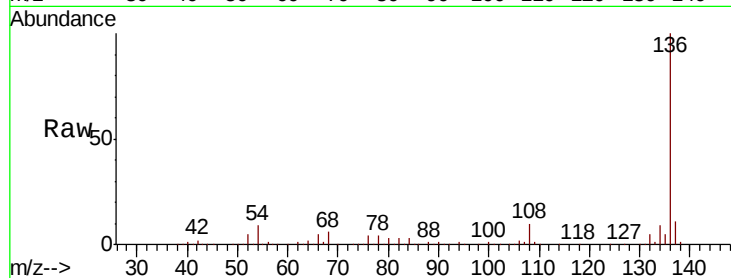




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF121671.D
Acq: 23 Sep 2020 17:10

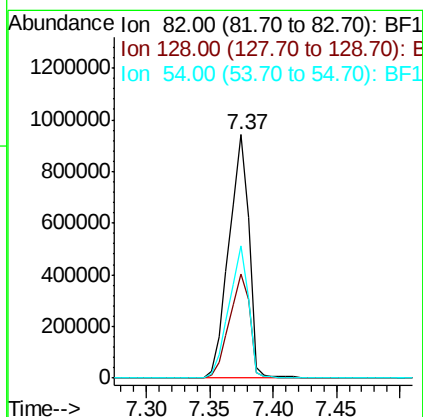
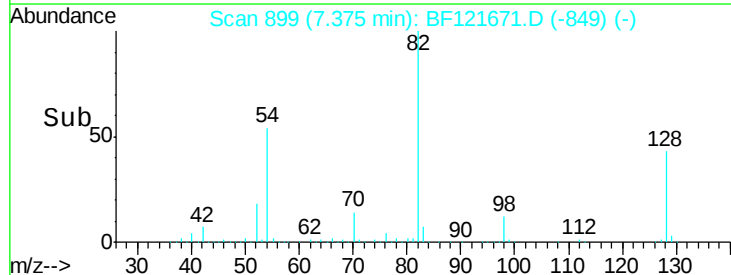
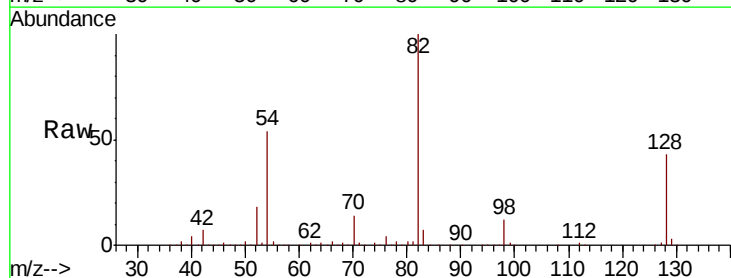
Instrument :
BNA_F
ClientSampleId :
HD-01-092220

Tot Ion:136	Resp:	573863	
Ion Ratio	Lower	Upper	
136 100			
137 10.6	8.9	13.3	
54 8.6	7.4	11.0	
68 6.2	5.3	7.9	



#23
Nitrobenzene-d5
Concen: 96.776 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF121671.D
Acq: 23 Sep 2020 17:10

Tgt	Ion: 82	Resp: 1034348	
Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.9	50.9
54	54.1	42.9	64.3





#25

Isophorone

Concen: 47.568 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121671.D

Acq: 23 Sep 2020 17:10

Instrument :

BNA_F

ClientSampleId :

HD-01-092220

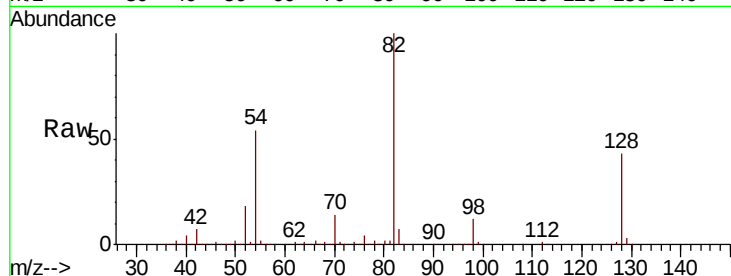
Tot Ion: 82 Resp: 1023428

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

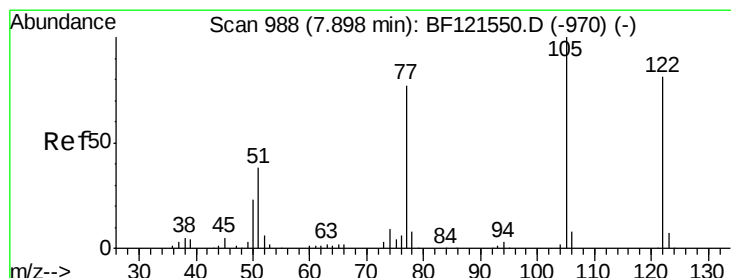
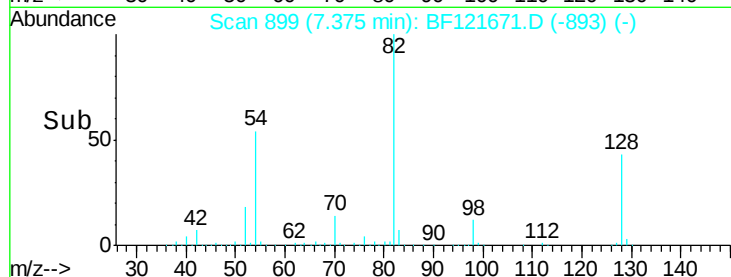
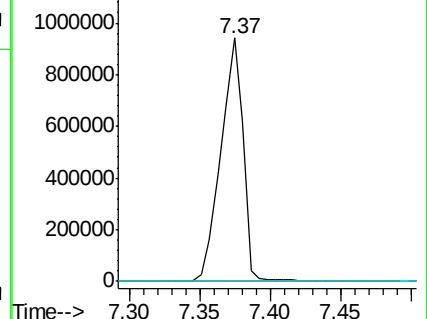
138 0.0 13.2 19.8#



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



#32

Benzoic acid

Concen: 7.211 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.04 min

Lab File: BF121671.D

Acq: 23 Sep 2020 17:10

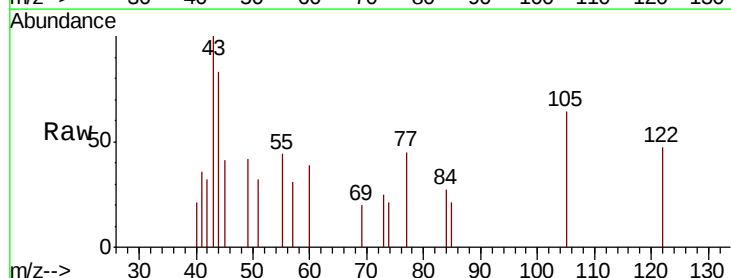
Tgt Ion: 122 Resp: 2307

Ion Ratio Lower Upper

122 100

105 136.7 101.9 141.9

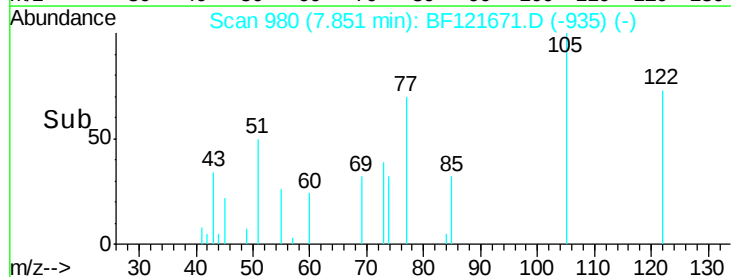
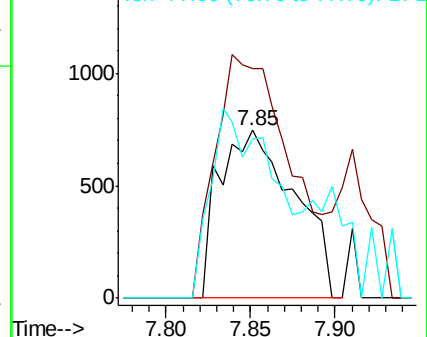
77 95.2 69.0 109.0

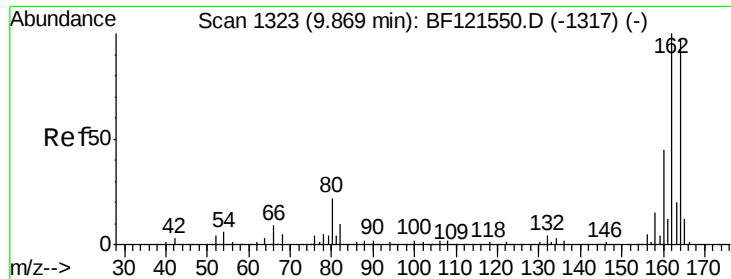


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121671.D

Acq: 23 Sep 2020 17:10

Instrument :

BNA_F

ClientSampleId :

HD-01-092220

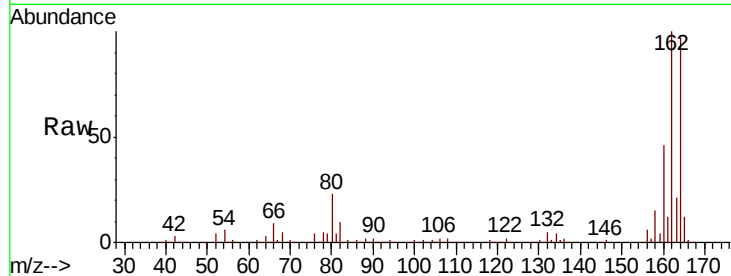
Tot Ion:164 Resp: 303809

Ion Ratio Lower Upper

164 100

162 103.4 81.2 121.8

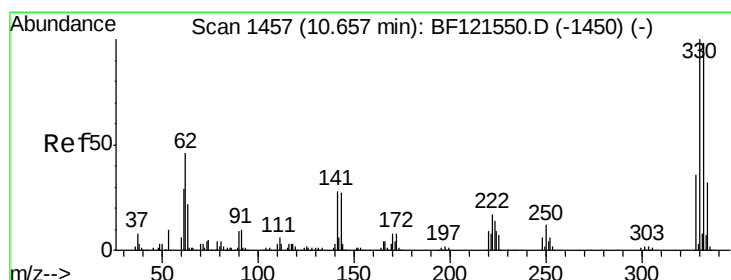
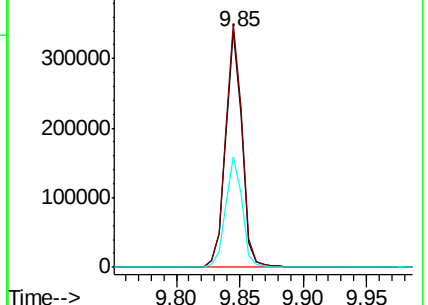
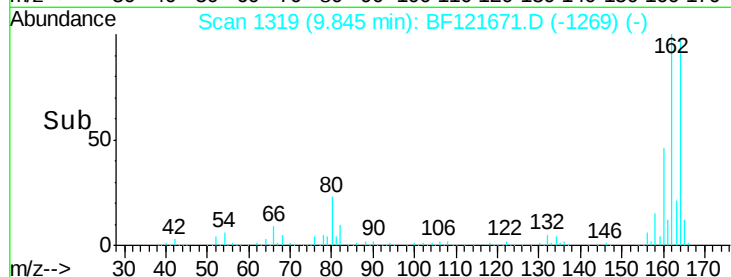
160 47.2 36.2 54.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 143.554 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF121671.D

Acq: 23 Sep 2020 17:10

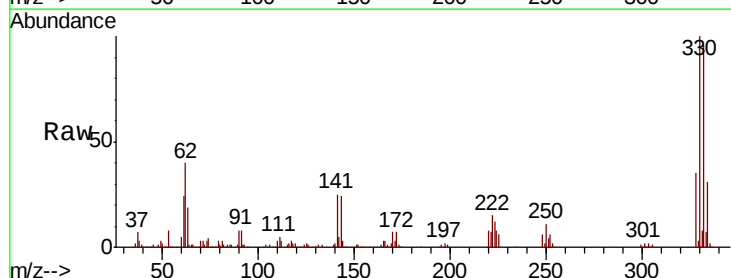
Tgt Ion:330 Resp: 542051

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

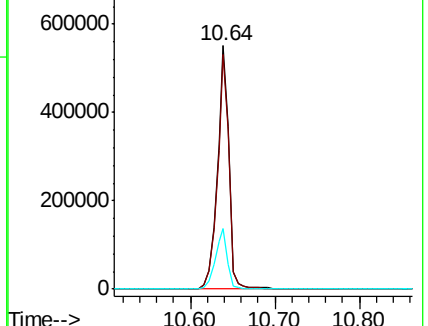
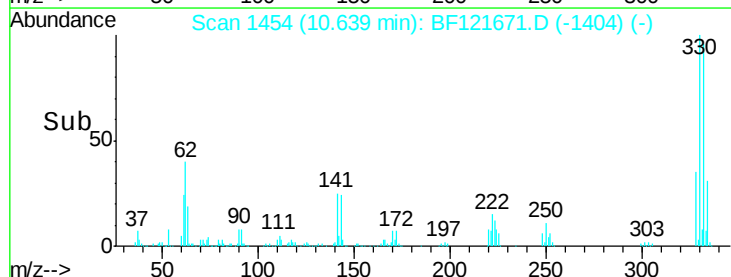
141 26.3 22.4 33.6

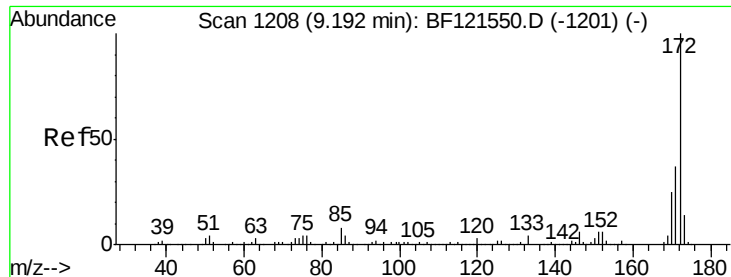


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

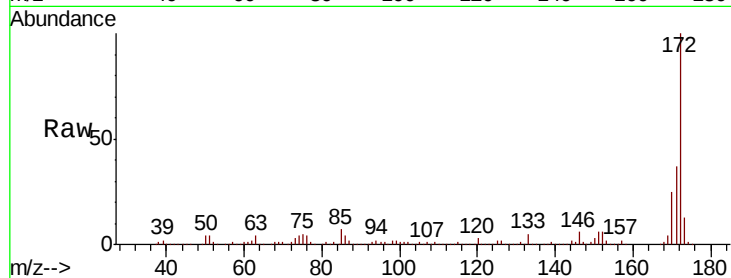




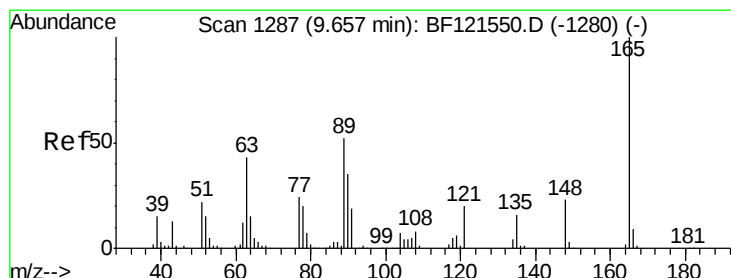
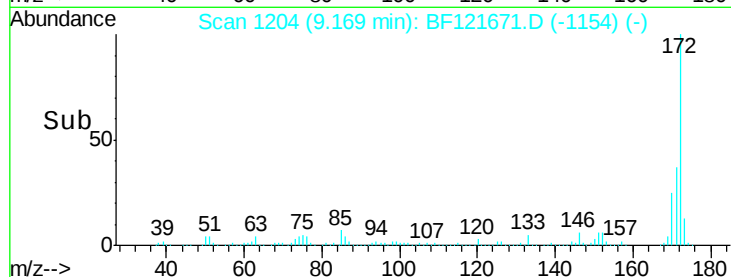
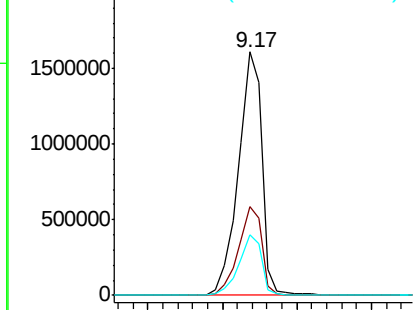
#45
 2-Fluorobiphenyl
 Concen: 88.493 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF121671.D
 Acq: 23 Sep 2020 17:10

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-092220

Tot Ion:172 Resp: 1775144
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.3 43.9
 170 24.6 19.5 29.3

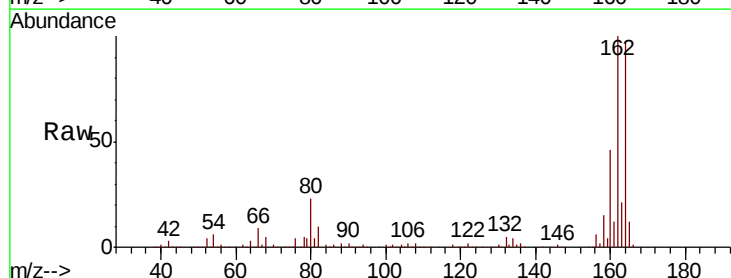


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

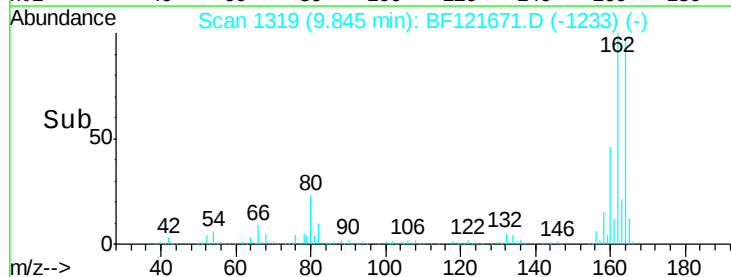
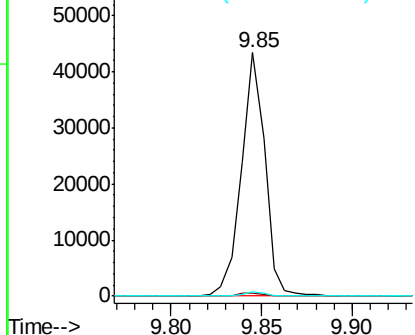


#51
 2,6-Dinitrotoluene
 Concen: 8.380 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF121671.D
 Acq: 23 Sep 2020 17:10

Tgt Ion:165 Resp: 39298
 Ion Ratio Lower Upper
 165 100
 63 1.3 47.6 71.4#
 89 1.8 46.0 69.0#



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

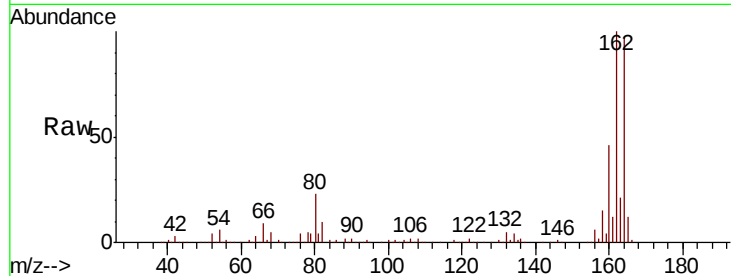




#57
 2,4-Dinitrotoluene
 Concen: 6.661 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF121671.D
 Acq: 23 Sep 2020 17:10

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-092220

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.7	55.1#
89	1.8	57.7	86.5#
182	0.0	2.1	3.1#

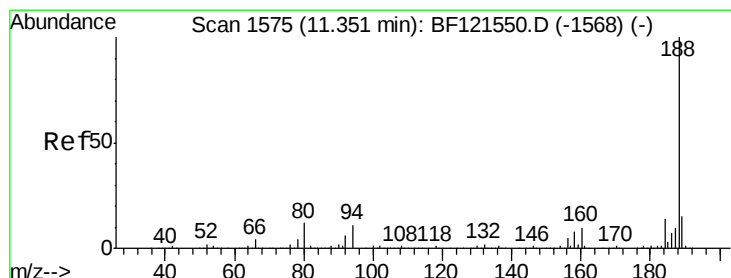
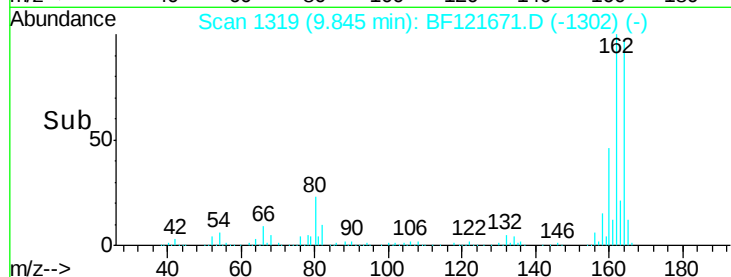
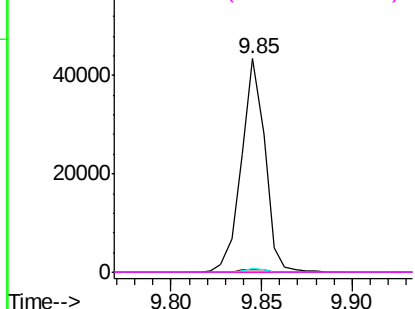


Abundance Ion 165.00 (164.70 to 165.70): E

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



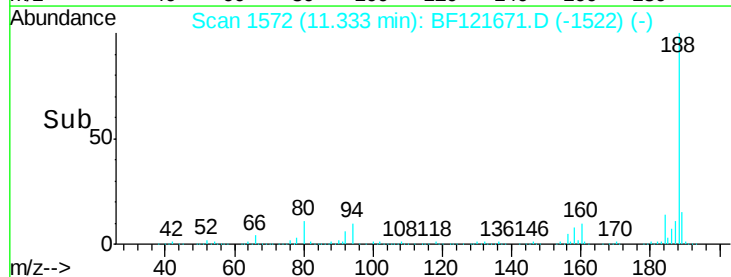
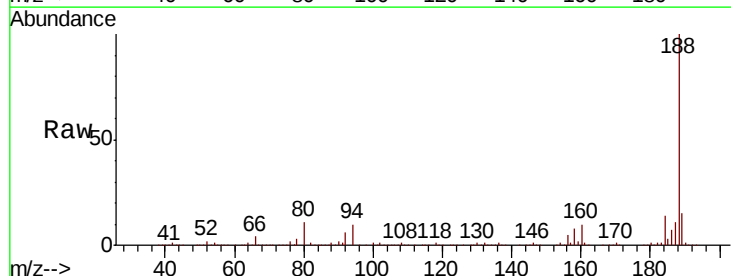
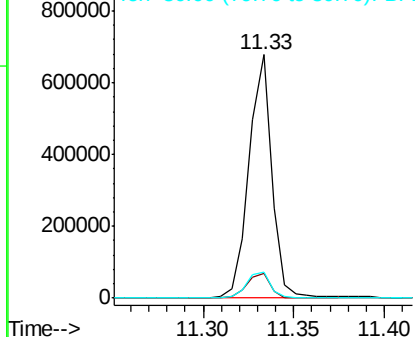
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF121671.D
 Acq: 23 Sep 2020 17:10

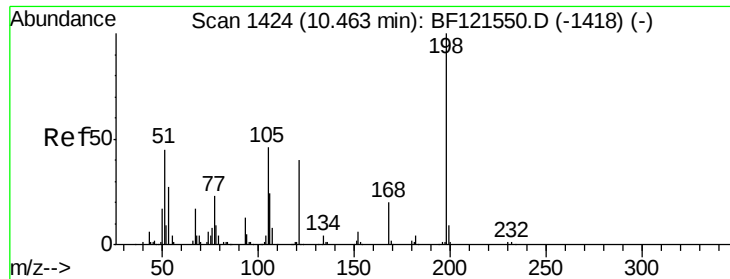
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.4	12.6
80	10.6	9.0	13.4

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: 7.089 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.19 min

Lab File: BF121671.D

Acq: 23 Sep 2020 17:10

Instrument :

BNA_F

ClientSampleId :

HD-01-092220

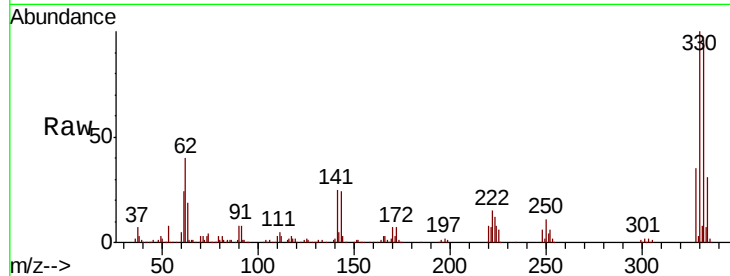
Tot Ion:198 Resp: 1012

Ion Ratio Lower Upper

198 100

51 184.0 20.3 60.3#

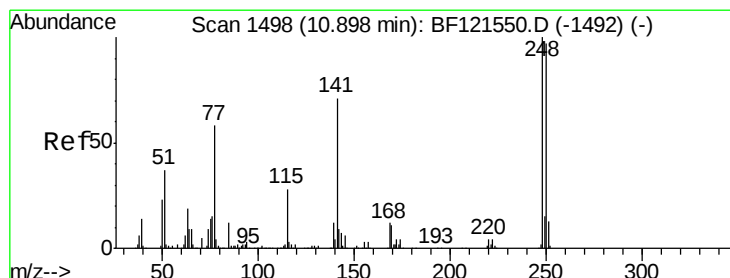
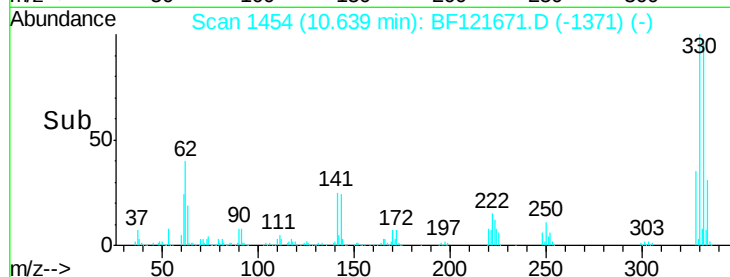
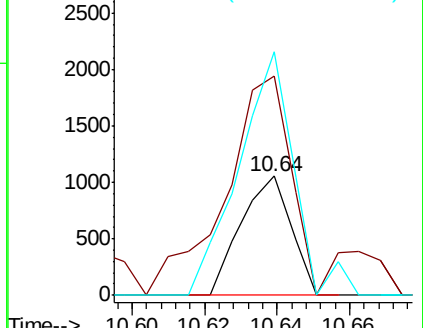
105 204.9 20.2 60.2#



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: 4.645 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF121671.D

Acq: 23 Sep 2020 17:10

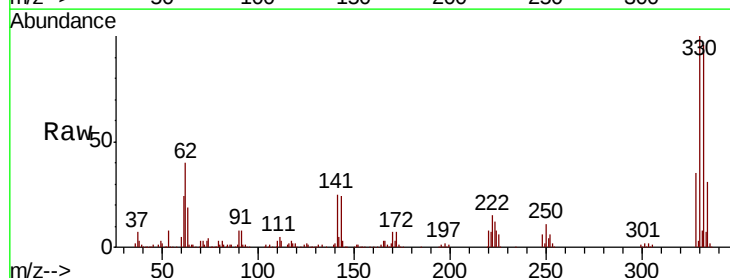
Tgt Ion:248 Resp: 31590

Ion Ratio Lower Upper

248 100

250 195.9 79.4 119.0#

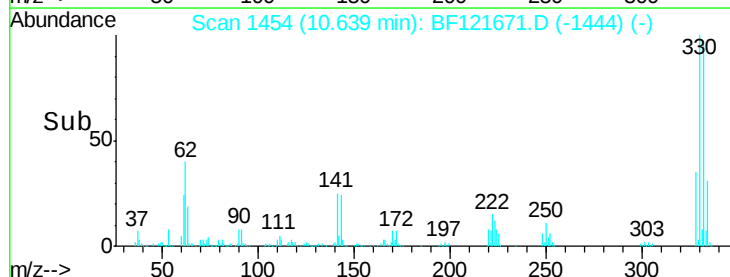
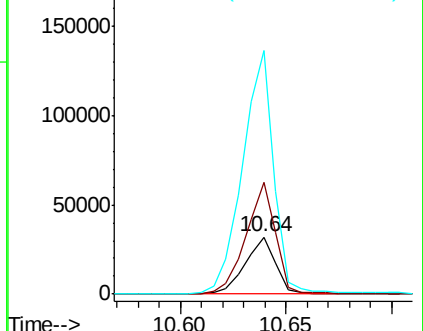
141 426.3 52.2 78.4#

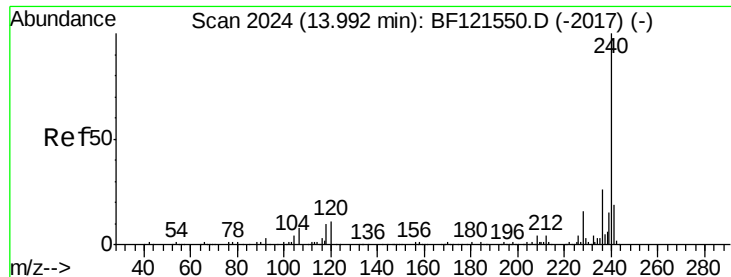


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF121671.D

Acq: 23 Sep 2020 17:10

Instrument :

BNA_F

ClientSampleId :

HD-01-092220

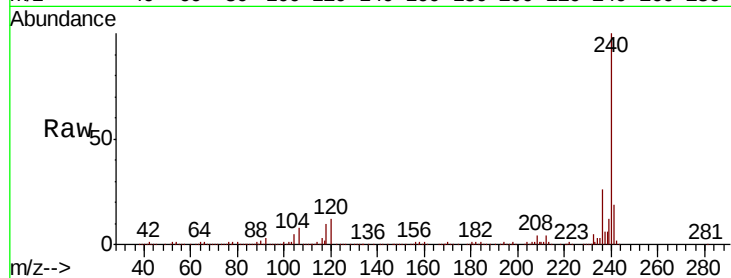
Tot Ion:240 Resp: 564648

Ion Ratio Lower Upper

240 100

120 12.0 9.2 13.8

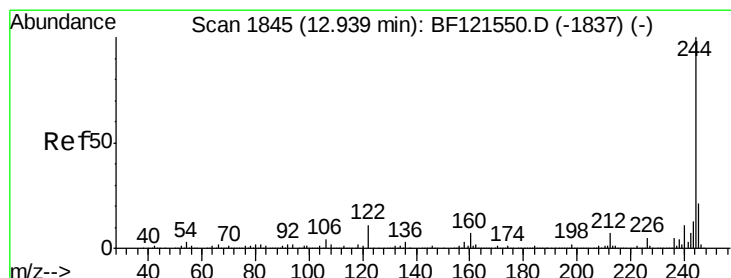
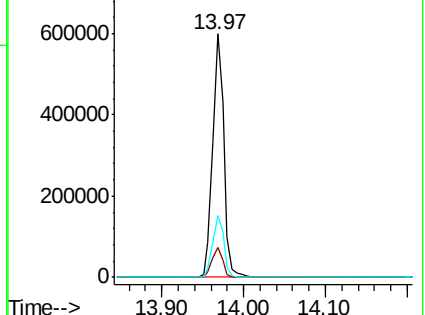
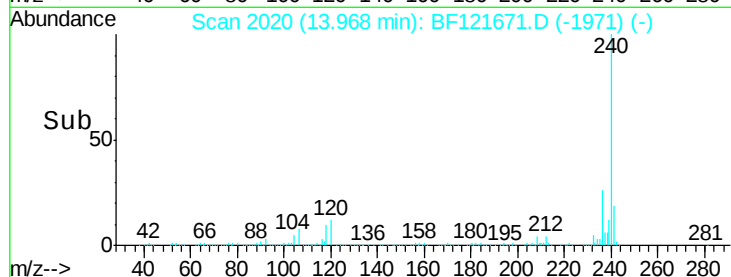
236 25.6 20.4 30.6



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: 78.202 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF121671.D

Acq: 23 Sep 2020 17:10

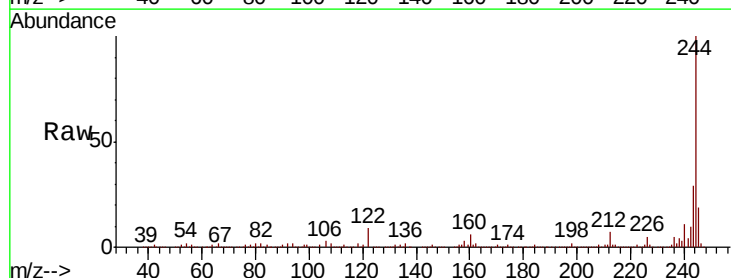
Tgt Ion:244 Resp: 2179614

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

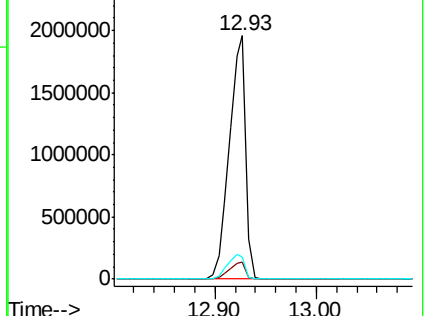
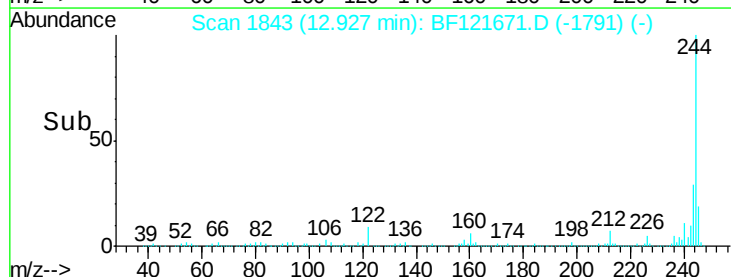
122 9.2 7.4 11.0

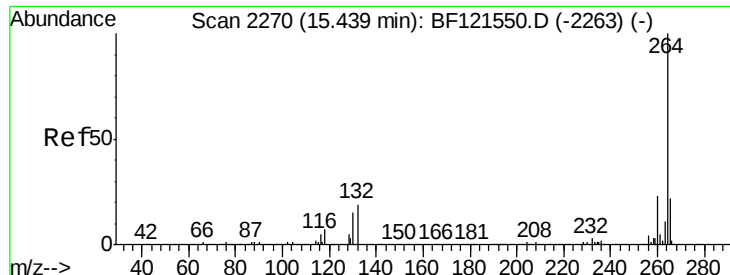


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2267
Delta R.T. -0.01 min
Lab File: BF121671.D
Acq: 23 Sep 2020 17:10

Instrument :
BNA_F
ClientSampleId :
HD-01-092220

Tot Ion:264 Resp: 509637

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.9	17.3	25.9

