

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
 Data File : BF121398.D
 Acq On : 24 Aug 2020 14:10
 Operator : JU/CG
 Sample : PB131098TB
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB131098TB

Quant Time: Aug 24 15:43:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 11:54:47 2020
 Response via : Initial Calibration

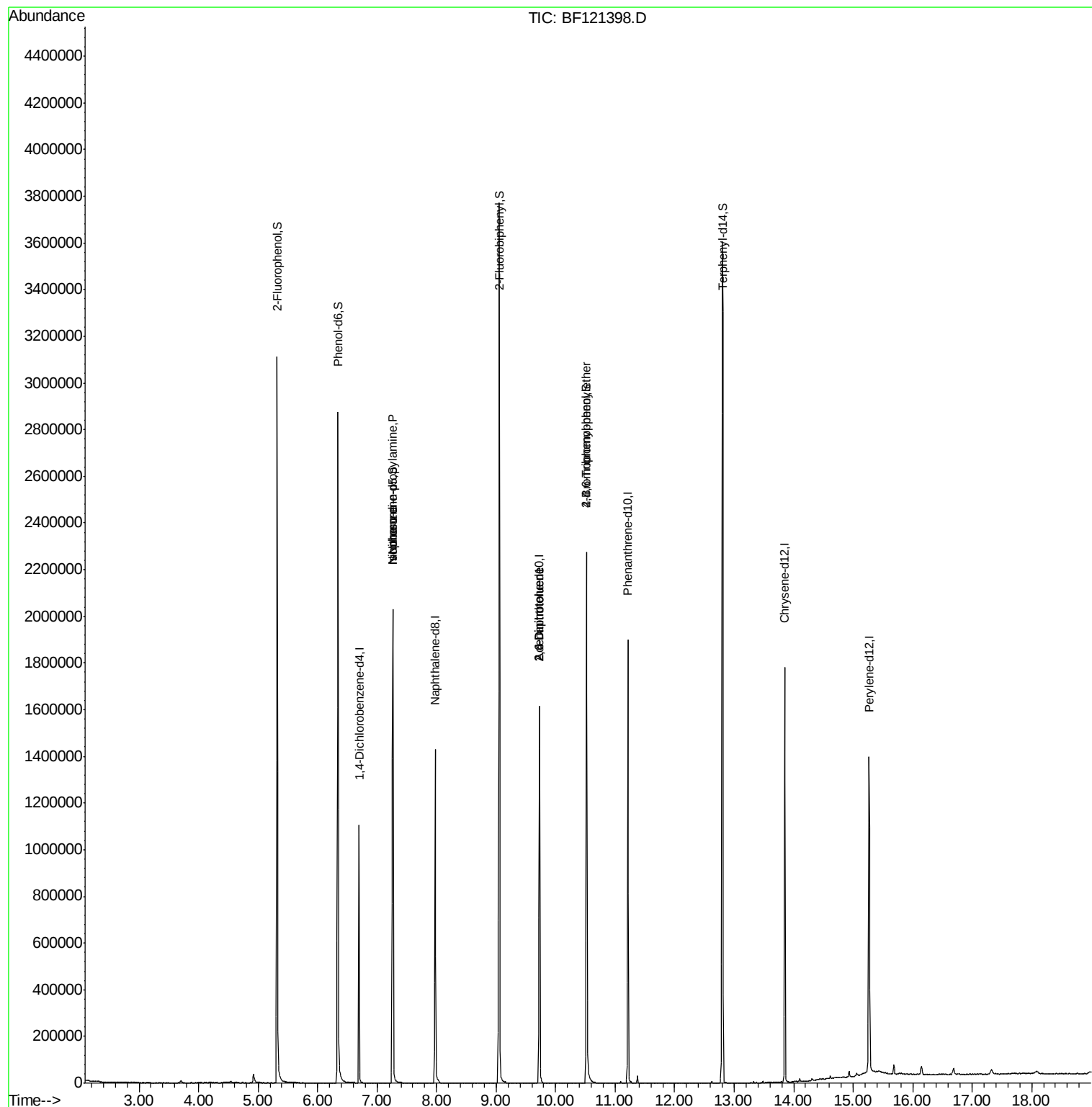
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	178064	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	708470	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	368893	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	715005	20.00	ng	0.00
76) Chrysene-d12	13.85	240	616127	20.00	ng	-0.01
86) Perylene-d12	15.27	264	634462	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	999867	92.07	ng	0.01
7) Phenol-d6	6.35	99	1217658	87.84	ng	0.00
23) Nitrobenzene-d5	7.26	82	830994	66.34	ng	-0.01
42) 2,4,6-Tribromophenol	10.52	330	363599	84.58	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1412309	71.43	ng	0.00
79) Terphenyl-d14	12.80	244	1511315	47.93	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	109748	14.720	ng	# 76
25) Isophorone	7.26	82	828283	36.333	ng	# 64
51) 2,6-Dinitrotoluene	9.73	165	47617	8.308	ng	# 31
57) 2,4-Dinitrotoluene	9.73	165	47617	6.810	ng	# 20
58) Fluorene	10.52	166	13205	Below Cal		# 88
67) 4-Bromophenyl-phenylether	10.52	248	20178	2.544	ng	# 1

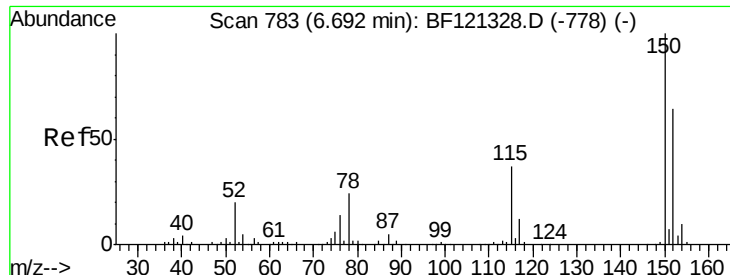
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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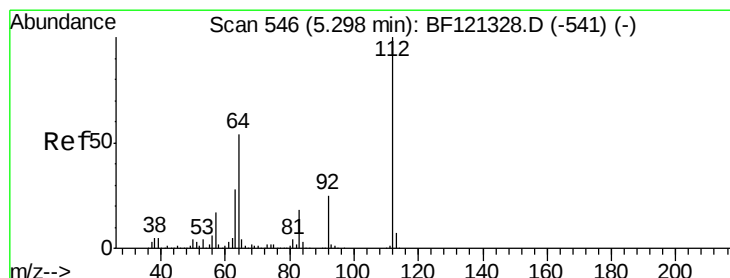
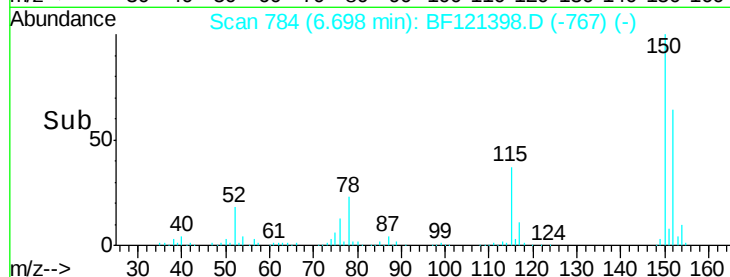
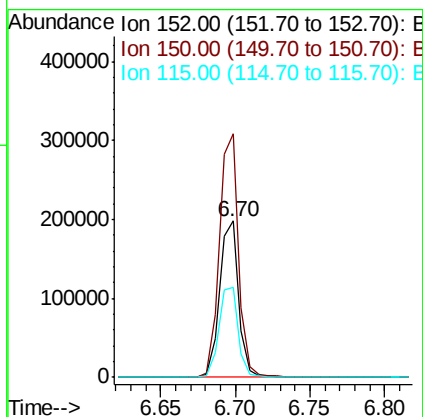
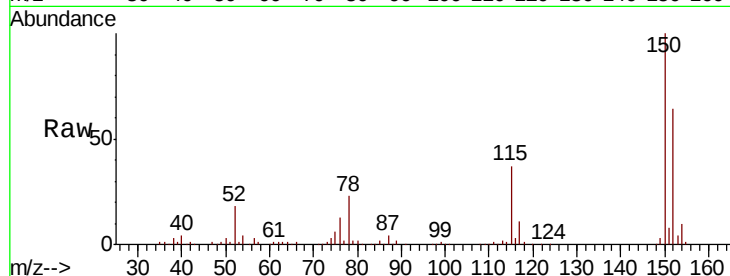


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF121398.D
Acq: 24 Aug 2020 14:10

Instrument :
BNA_F
ClientSampleId :
PB131098TB

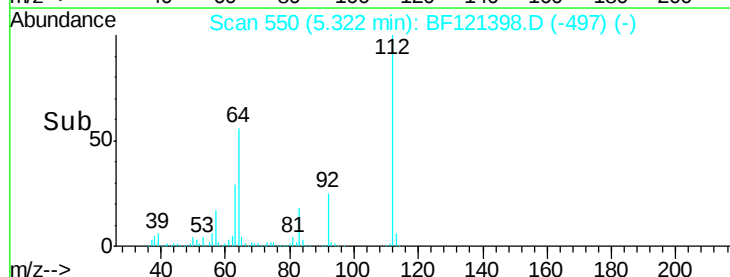
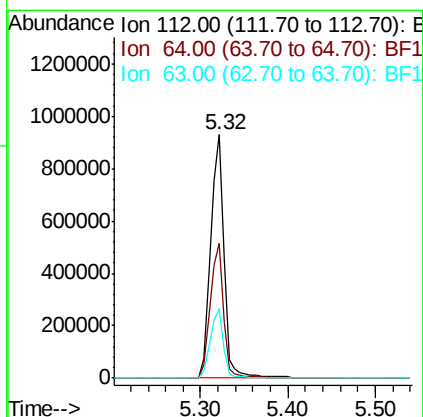
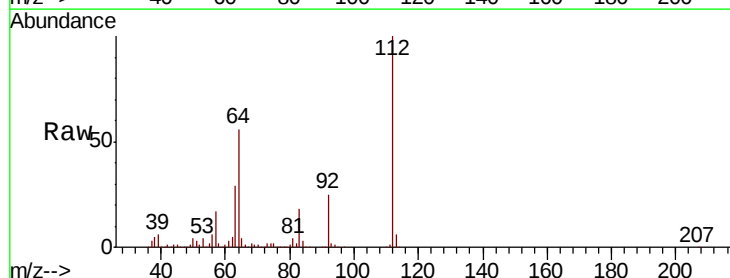
Tot Ion:152 Resp: 178064
Ion Ratio Lower Upper
152 100
150 155.8 125.4 188.0
115 57.3 47.0 70.6

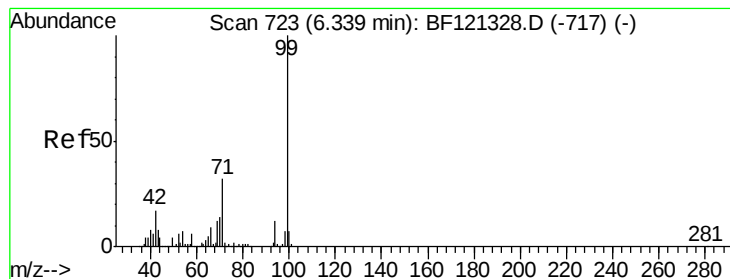


#5

2-Fluorophenol
Concen: 92.075 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF121398.D
Acq: 24 Aug 2020 14:10

Tgt Ion:112 Resp: 999867
Ion Ratio Lower Upper
112 100
64 55.5 42.2 63.4
63 28.5 21.4 32.2





#7

Phenol-d6

Concen: 87.836 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF121398.D

Acq: 24 Aug 2020 14:10

Instrument :

BNA_F

ClientSampleId :

PB131098TB

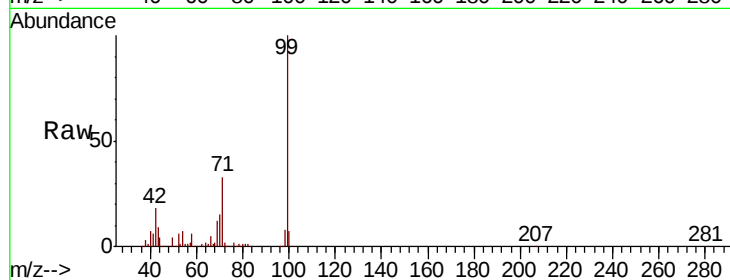
Tot Ion: 99 Resp: 1217658

Ion Ratio Lower Upper

99 100

42 17.6 13.9 20.9

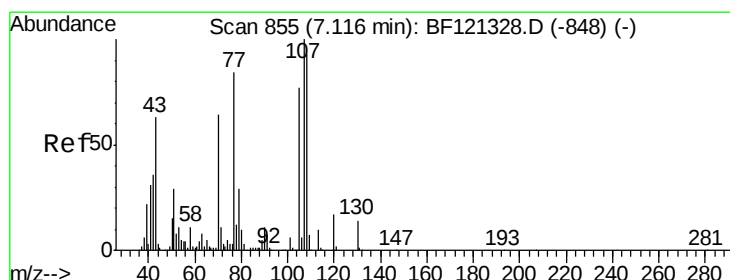
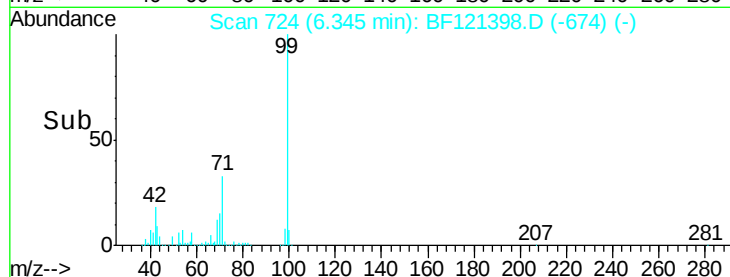
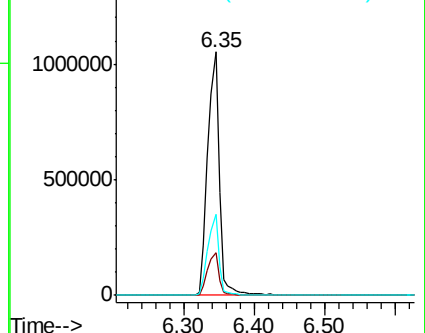
71 33.1 25.5 38.3



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: 14.720 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF121398.D

Acq: 24 Aug 2020 14:10

Tgt Ion: 70 Resp: 109748

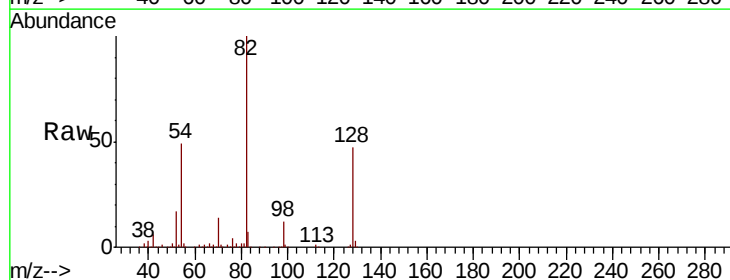
Ion Ratio Lower Upper

70 100

42 45.8 46.9 70.3#

101 0.0 7.7 11.5#

130 2.5 17.2 25.8#

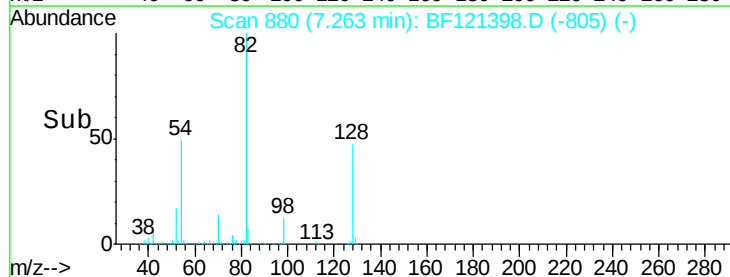
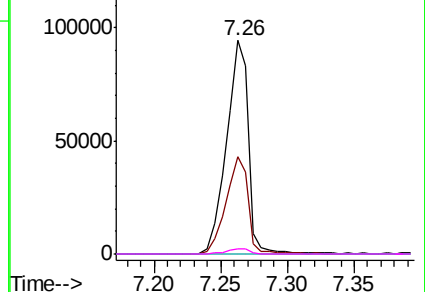


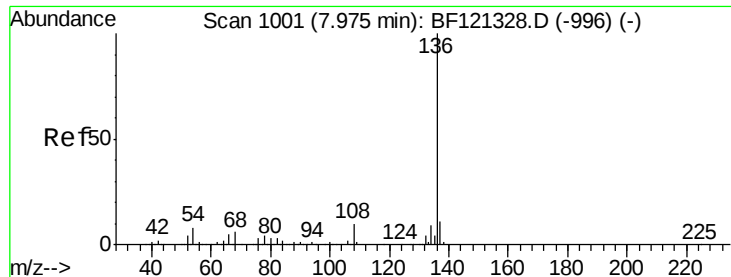
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

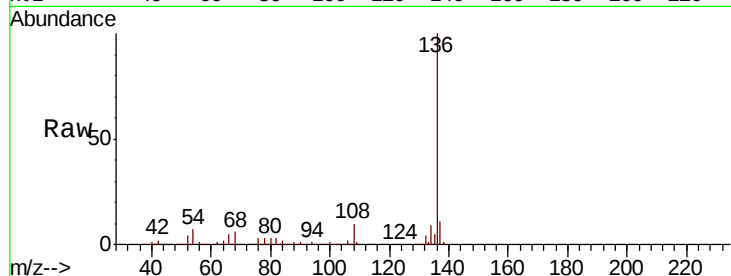




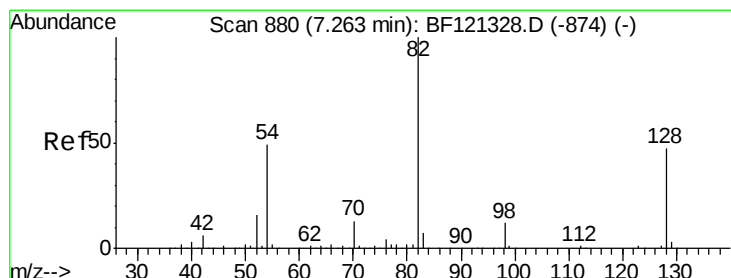
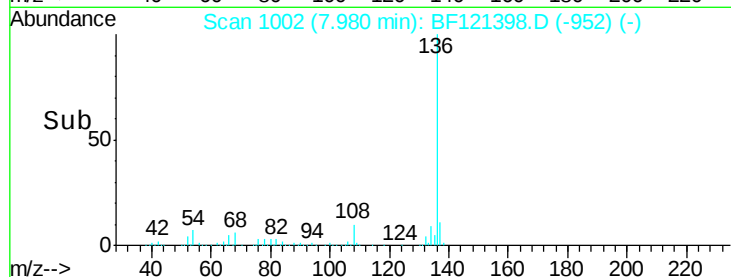
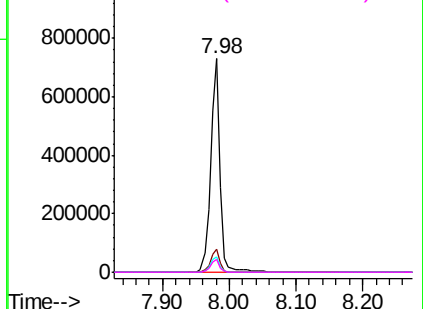
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF121398.D
Acq: 24 Aug 2020 14:10

Instrument :
BNA_F
ClientSampleId :
PB131098TB

Tot Ion:136	Resp:	708470	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	8.8	13.2	
54 7.2	5.8	8.6	
68 5.8	4.7	7.1	

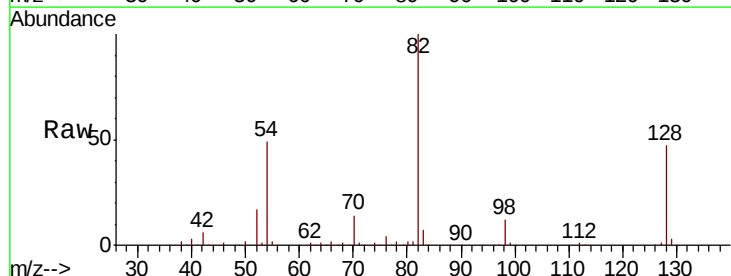


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

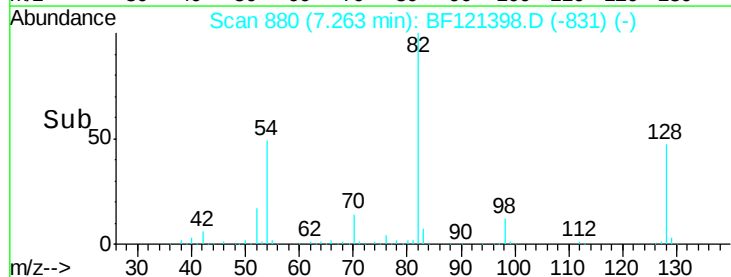
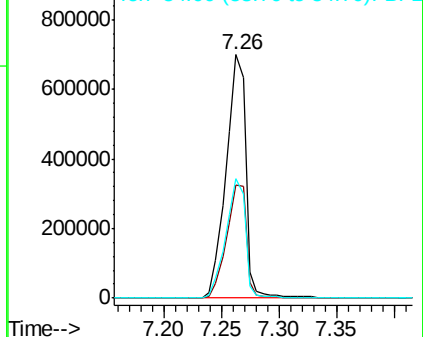


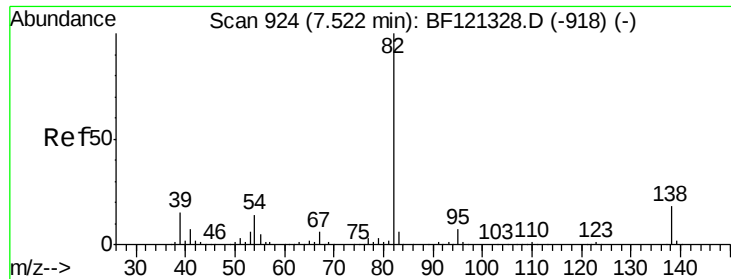
#23
Nitrobenzene-d5
Concen: 66.337 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF121398.D
Acq: 24 Aug 2020 14:10

Tgt	Ion: 82	Resp:	830994
Ion	Ratio	Lower	Upper
82	100		
128	46.7	38.4	57.6
54	49.1	39.0	58.6



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: 36.333 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF121398.D

Acq: 24 Aug 2020 14:10

Instrument :

BNA_F

ClientSampleId :

PB131098TB

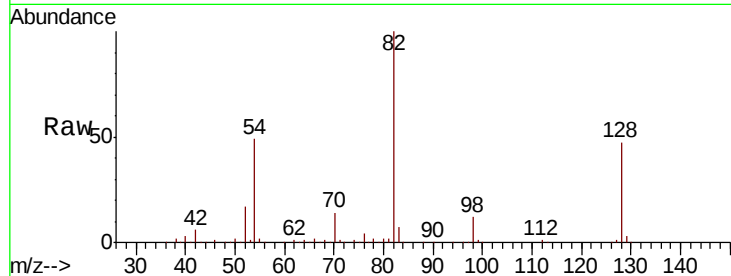
Tot Ion: 82 Resp: 828283

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

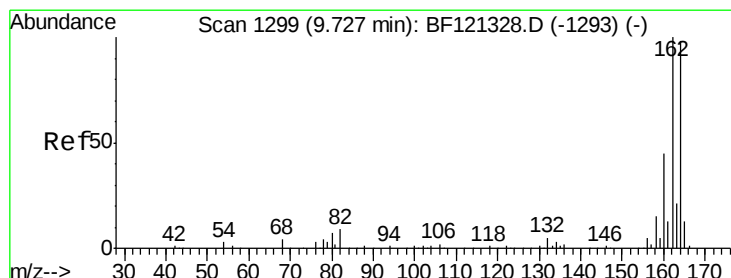
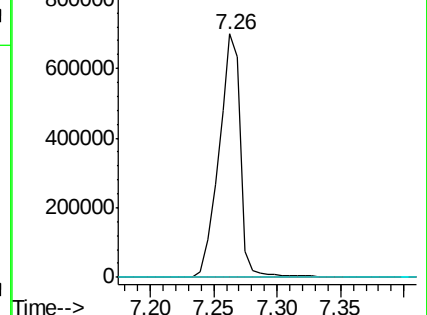
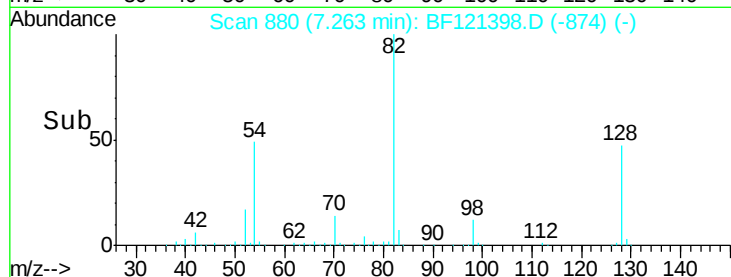
138 0.0 15.0 22.6#



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: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF121398.D

Acq: 24 Aug 2020 14:10

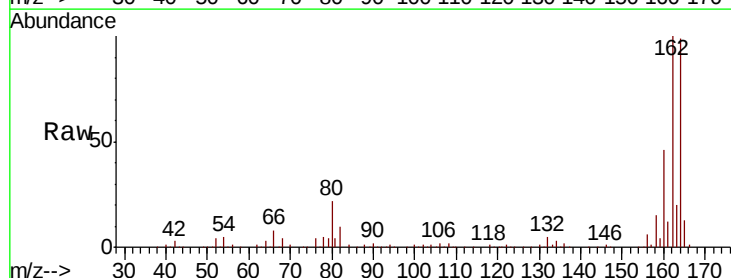
Tgt Ion:164 Resp: 368893

Ion Ratio Lower Upper

164 100

162 100.5 81.9 122.9

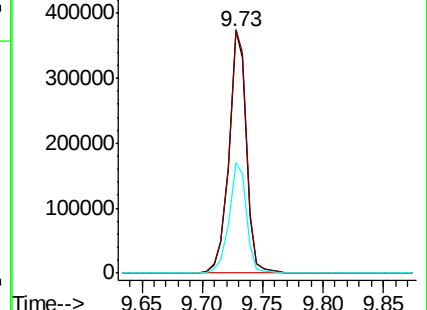
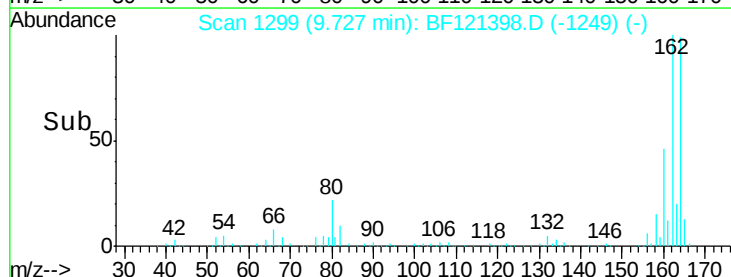
160 45.9 37.1 55.7

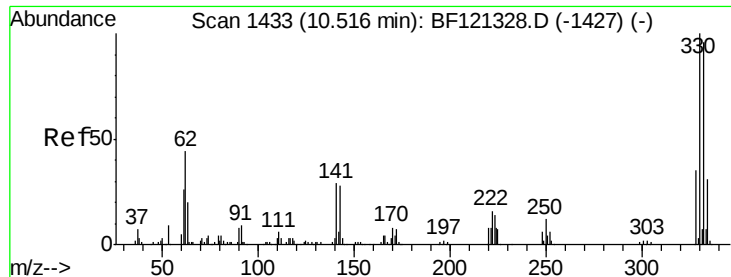


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 84.582 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF121398.D

Acq: 24 Aug 2020 14:10

Instrument :

BNA_F

ClientSampleId :

PB131098TB

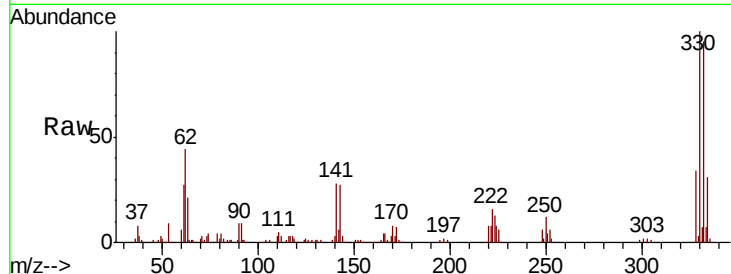
Tot Ion:330 Resp: 363599

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

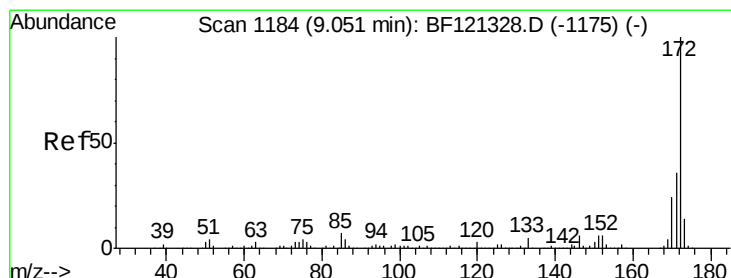
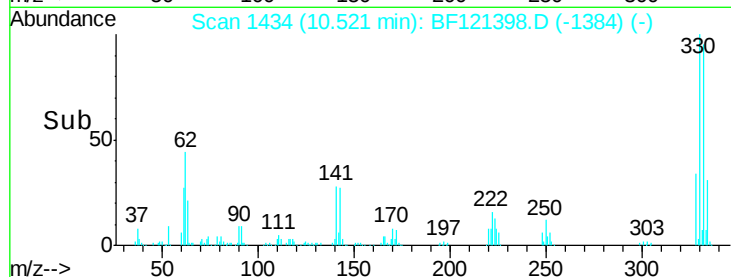
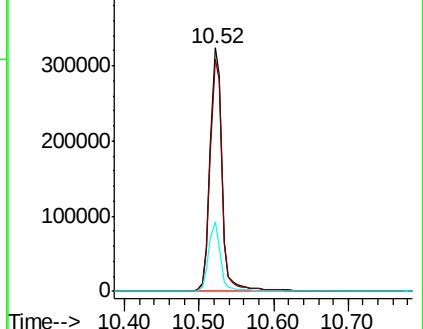
141 28.5 22.8 34.2



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: 71.432 ng

RT: 9.06 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF121398.D

Acq: 24 Aug 2020 14:10

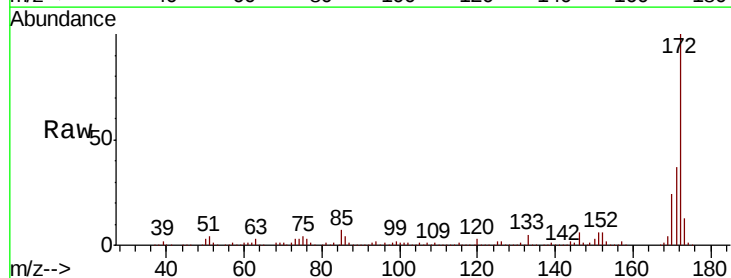
Tgt Ion:172 Resp: 1412309

Ion Ratio Lower Upper

172 100

171 36.6 29.2 43.8

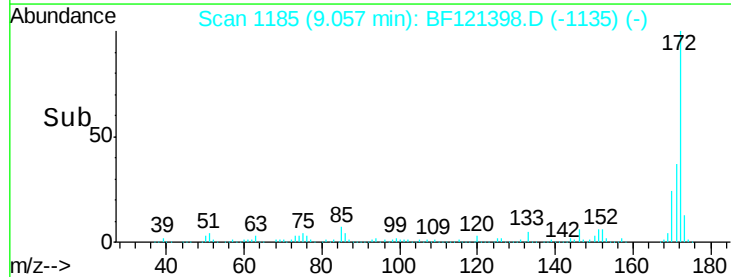
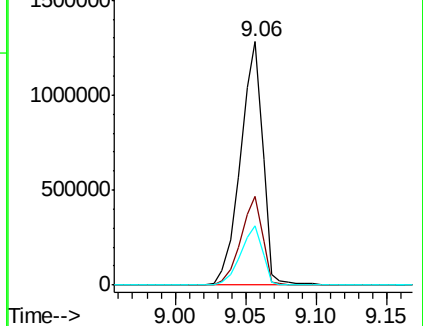
170 24.3 19.6 29.4

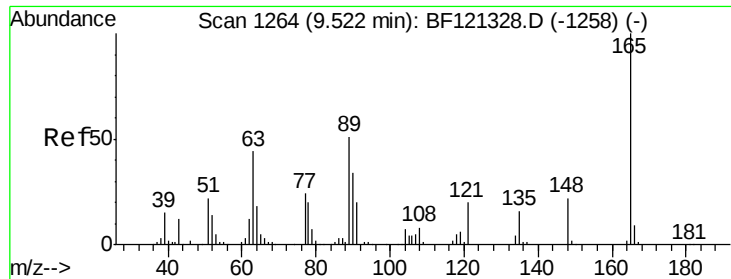


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

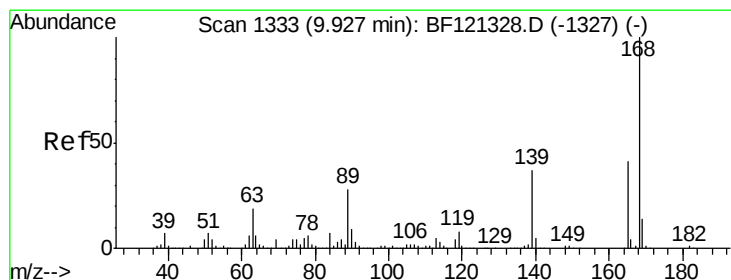
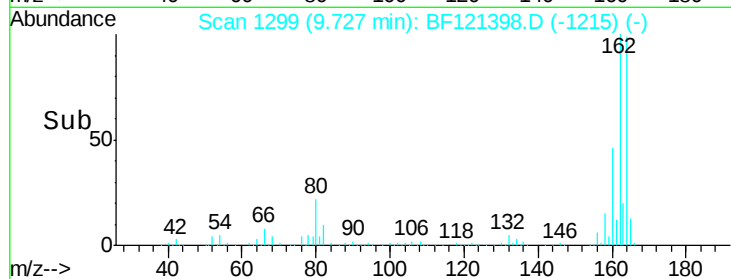
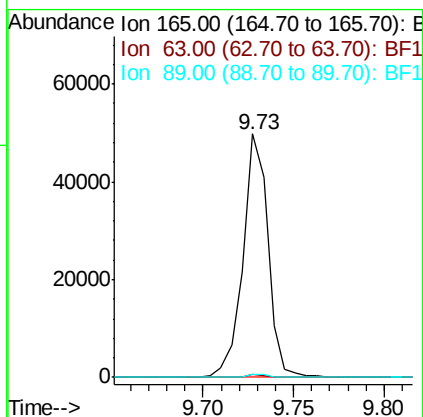
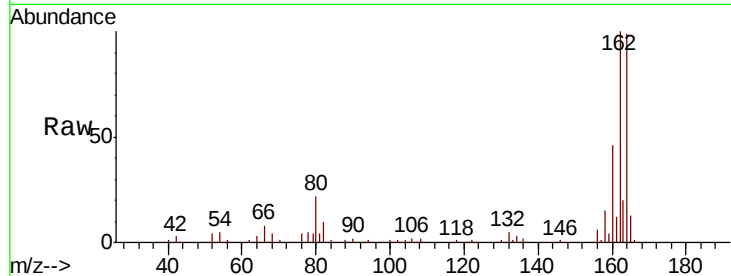




#51
 2,6-Dinitrotoluene
 Concen: 8.308 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. 0.19 min
 Lab File: BF121398.D
 Acq: 24 Aug 2020 14:10

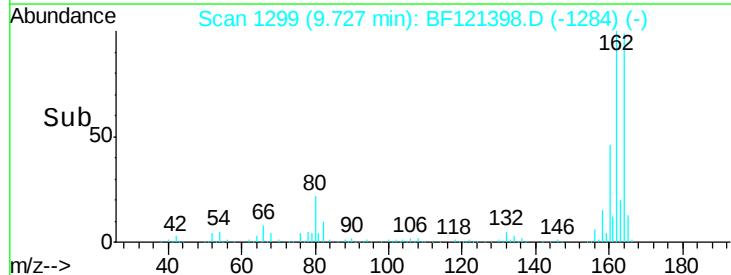
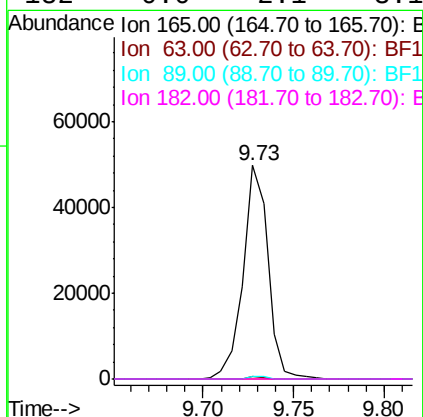
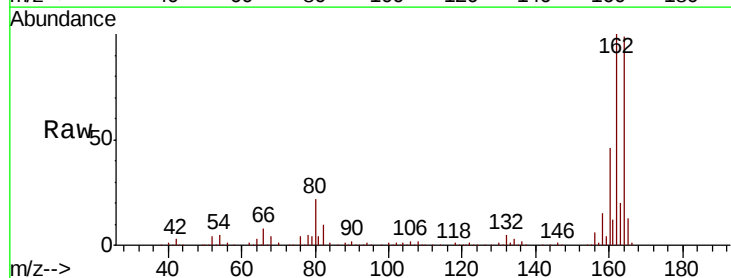
Instrument :
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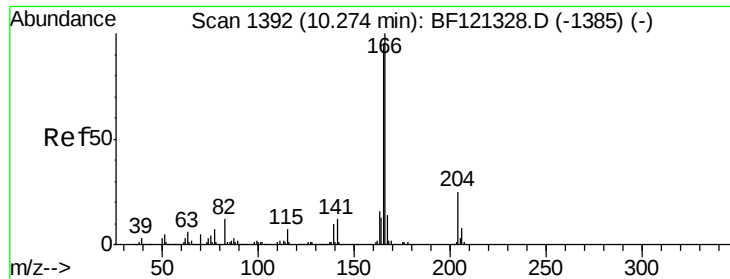
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.1	54.1#
89	1.3	39.4	59.2#



#57
 2,4-Dinitrotoluene
 Concen: 6.810 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF121398.D
 Acq: 24 Aug 2020 14:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	45.0	67.6#
89	1.3	60.2	90.2#
182	0.0	2.1	3.1#





#58

Fluorene

Concen: Below Cal

RT: 10.52 min Scan# 1434

Delta R.T. 0.24 min

Lab File: BF121398.D

Acq: 24 Aug 2020 14:10

Instrument :

BNA_F

ClientSampleId :

PB131098TB

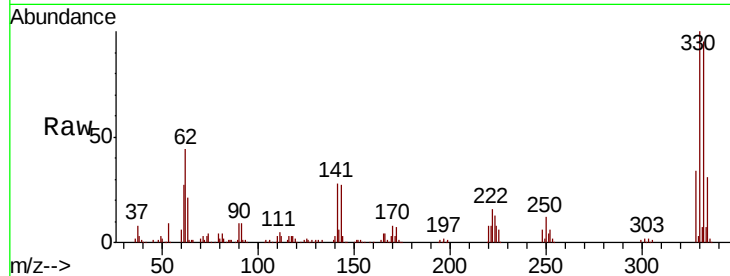
Tot Ion:166 Resp: 13205

Ion Ratio Lower Upper

166 100

165 100.0 75.0 112.6

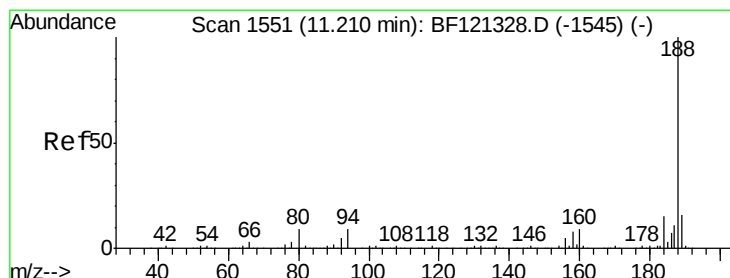
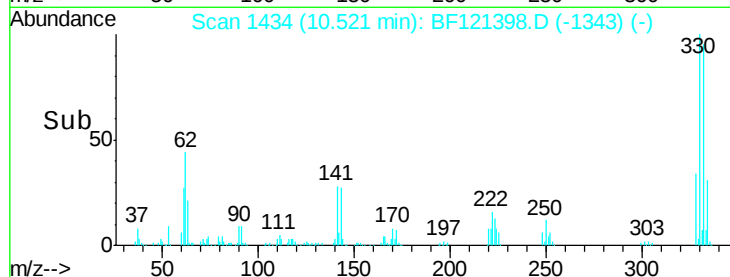
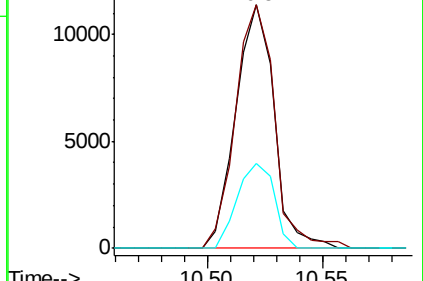
167 35.0 10.8 16.2#



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BF121398.D

Acq: 24 Aug 2020 14:10

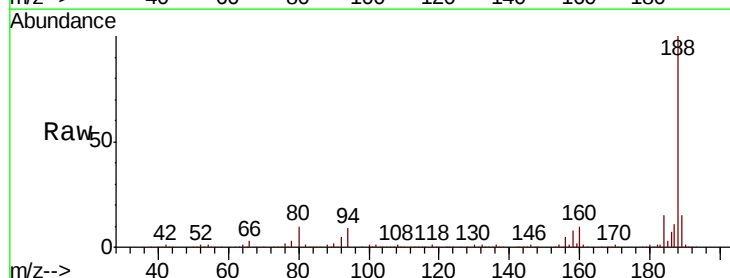
Tgt Ion:188 Resp: 715005

Ion Ratio Lower Upper

188 100

94 9.4 7.1 10.7

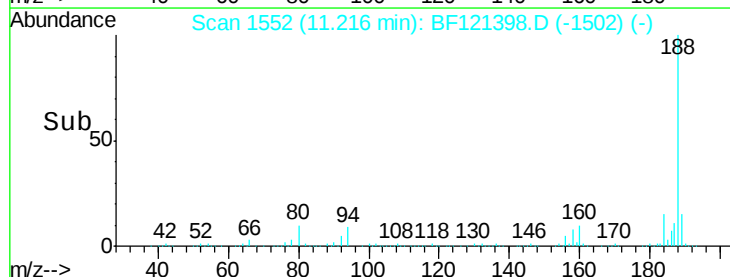
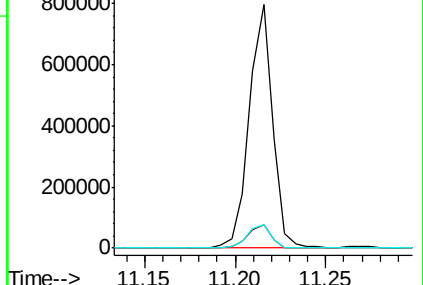
80 9.5 7.1 10.7

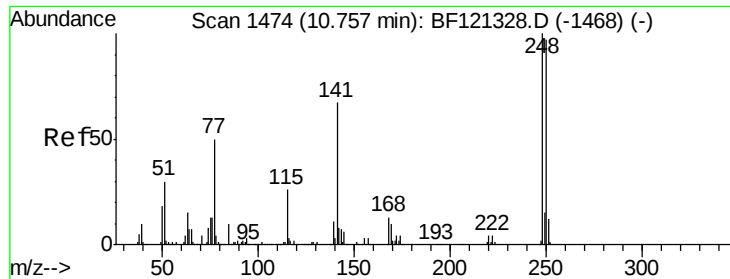


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

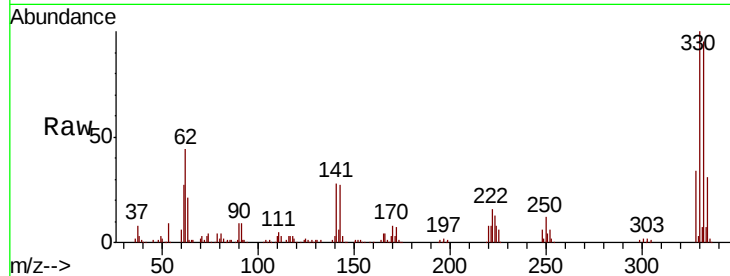




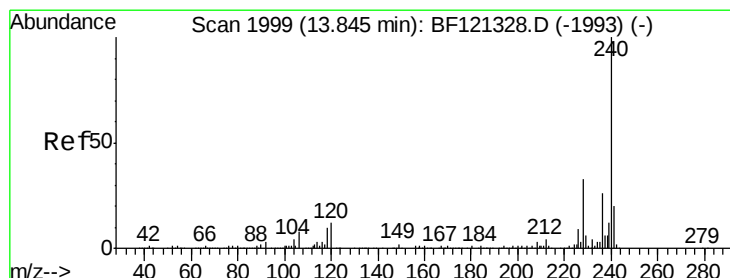
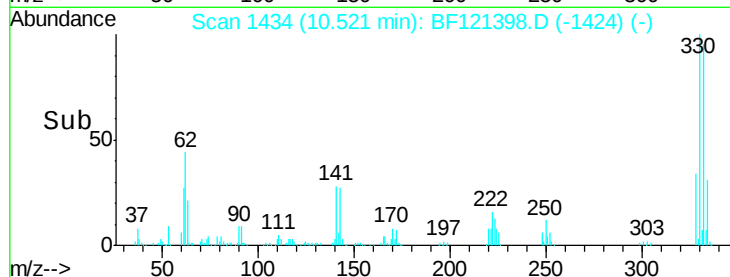
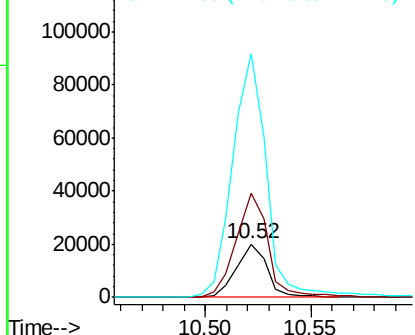
#67
 4-Bromophenyl-phenylether
 Concen: 2.544 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.24 min
 Lab File: BF121398.D
 Acq: 24 Aug 2020 14:10

Instrument :
 BNA_F
 ClientSampleId :
 PB131098TB

Tot Ion:248 Resp: 20178
 Ion Ratio Lower Upper
 248 100
 250 197.6 77.0 115.6#
 141 459.6 57.4 86.2#

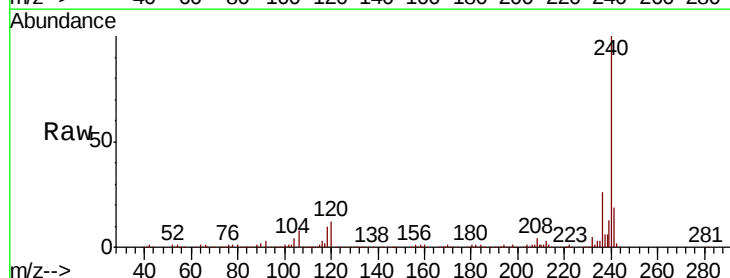


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

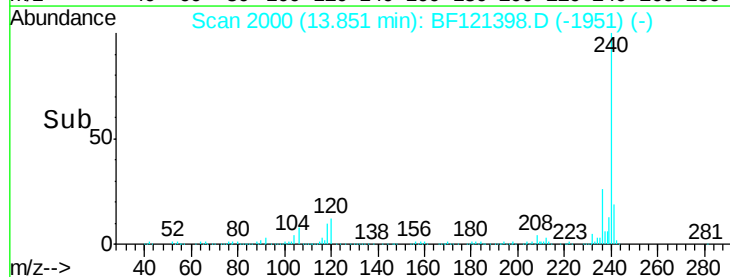
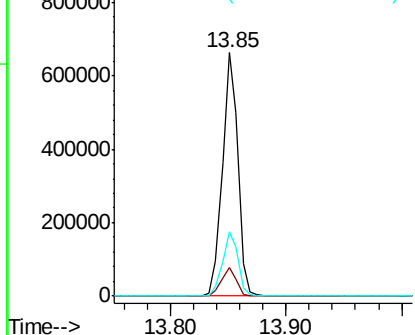


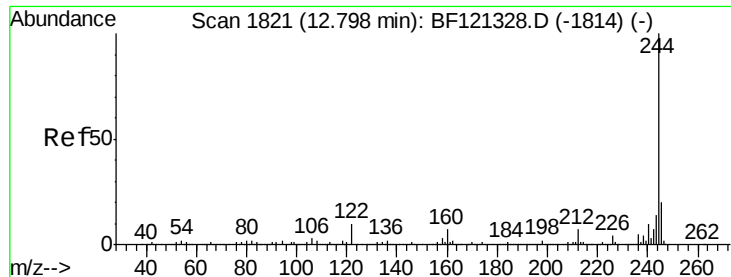
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF121398.D
 Acq: 24 Aug 2020 14:10

Tgt Ion:240 Resp: 616127
 Ion Ratio Lower Upper
 240 100
 120 11.6 8.7 13.1
 236 26.3 21.0 31.4



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: 47.934 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF121398.D

Acq: 24 Aug 2020 14:10

Instrument :

BNA_F

ClientSampleId :

PB131098TB

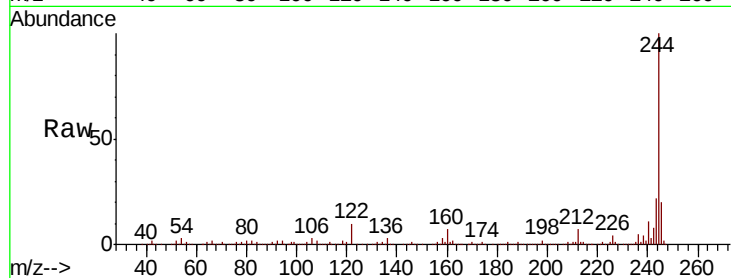
Tot Ion:244 Resp: 1511315

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

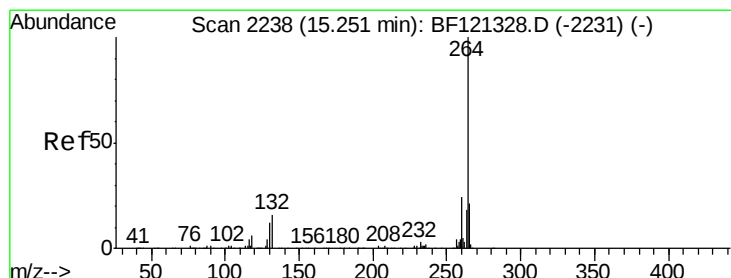
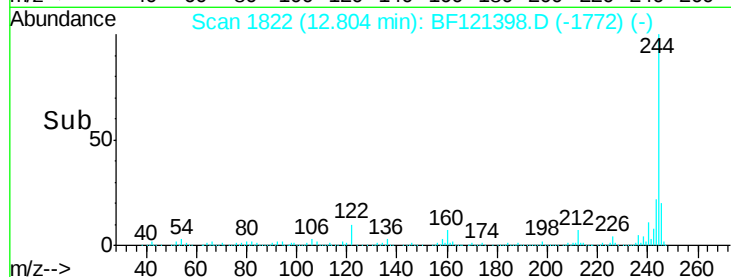
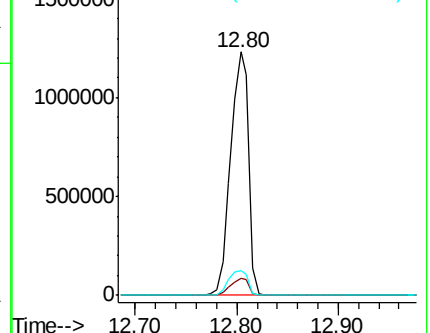
122 10.3 7.7 11.5



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: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF121398.D

Acq: 24 Aug 2020 14:10

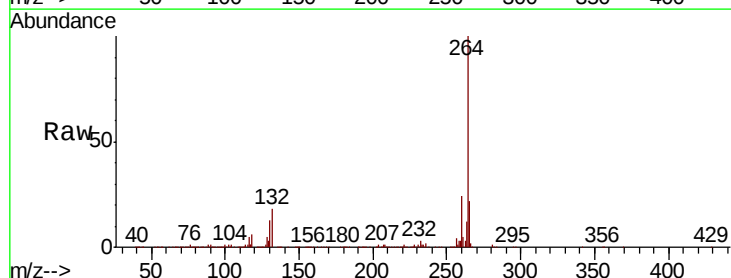
Tgt Ion:264 Resp: 634462

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 21.8 17.3 25.9



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

