

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041520\
 Data File : BF119996.D
 Acq On : 15 Apr 2020 16:22
 Operator : MA/SJ
 Sample : L2245-25
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-21A

Quant Time: Apr 16 01:14:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 11:01:23 2020
 Response via : Initial Calibration

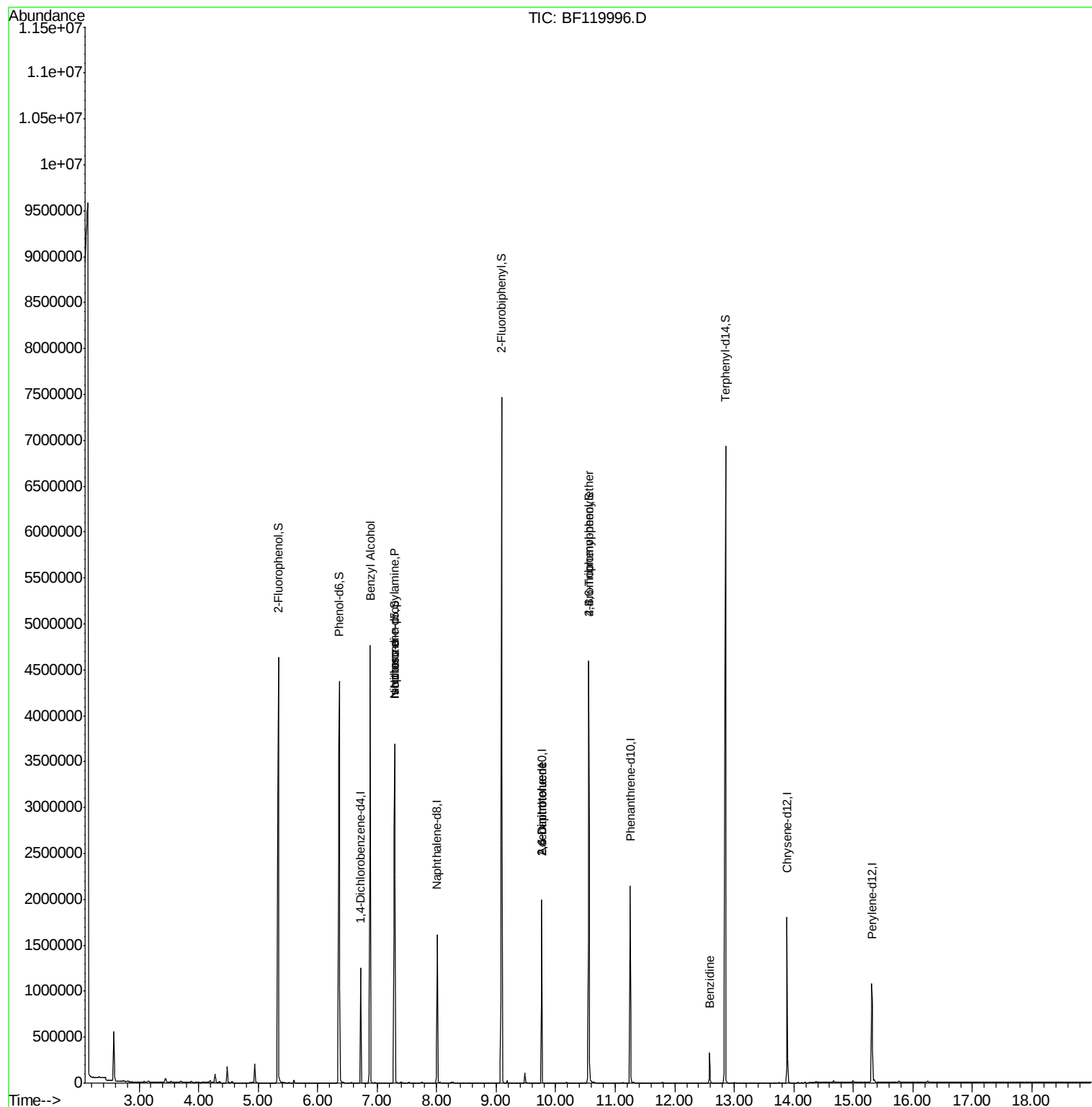
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	181980	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	696797	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	374971	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	759436	20.00	ng	0.00
76) Chrysene-d12	13.89	240	596676	20.00	ng	-0.01
87) Perylene-d12	15.31	264	488645	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1461329	138.78	ng	0.01
7) Phenol-d6	6.36	99	1652308	121.77	ng	0.00
23) Nitrobenzene-d5	7.29	82	1314069	97.56	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	582666	126.92	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	2441325	92.44	ng	0.00
79) Terphenyl-d14	12.85	244	2901208	81.82	ng	0.00
Target Compounds						
9) Benzaldehyde	6.36	77	2139	Below Cal	Qvalue	# 1
15) Benzyl Alcohol	6.88	79	21963	2.084 ng	#	48
19) n-Nitroso-di-n-propylamine	7.29	70	171479	19.653 ng	#	74
25) Isophorone	7.29	82	1308925	50.413 ng	#	65
51) 2,6-Dinitrotoluene	9.76	165	48421	7.624 ng	#	19
57) 2,4-Dinitrotoluene	9.76	165	48421	5.787 ng	#	22
67) 4-Bromophenyl-phenylether	10.56	248	36465	3.861 ng	#	1
77) Benzidine	12.59	184	127821	6.337 ng		94

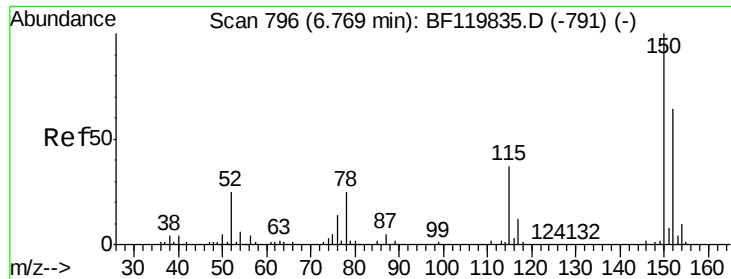
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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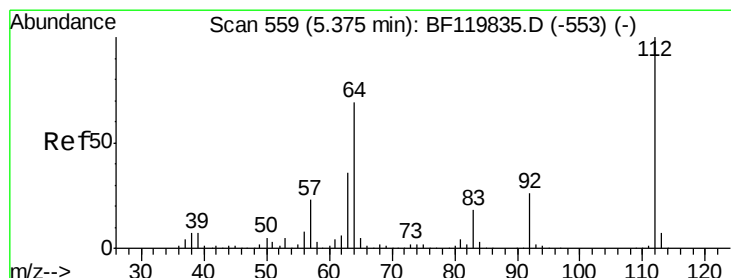
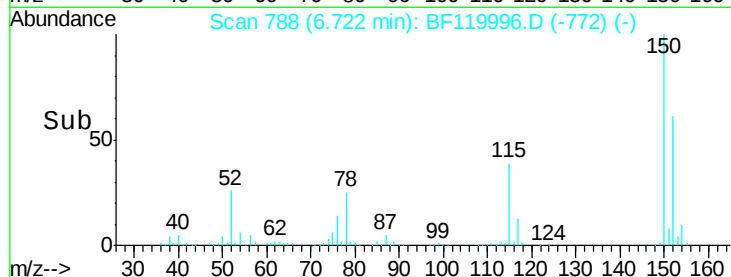
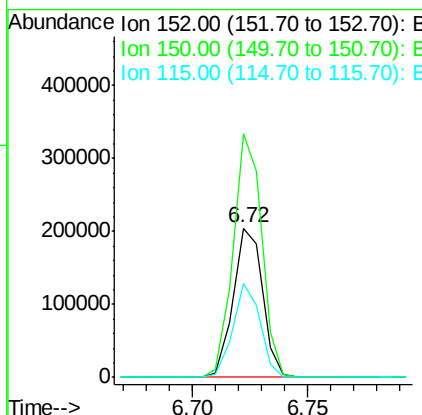
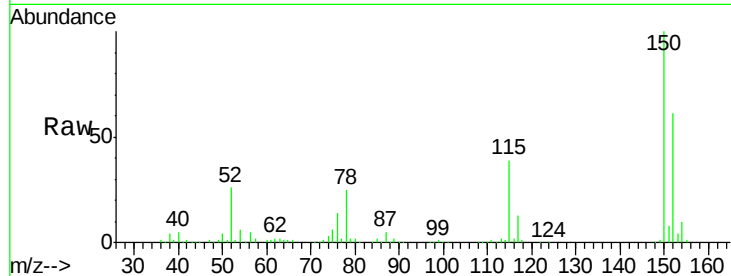


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF119996.D
Acq: 15 Apr 2020 16:22

Instrument :
BNA_F
ClientSampleId :
TP-21A

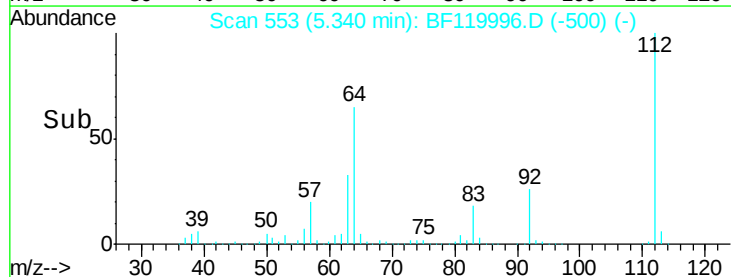
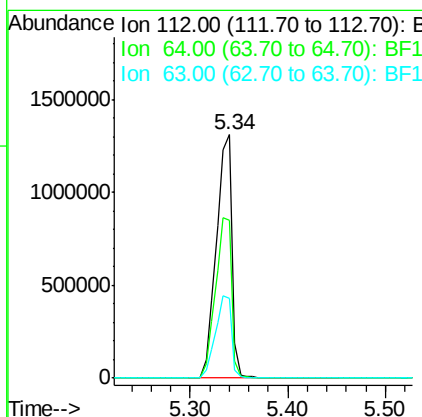
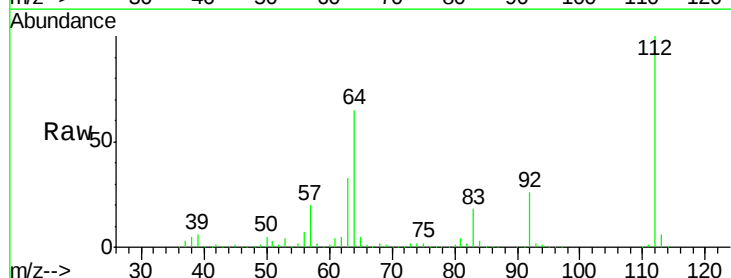
Tot Ion:152 Resp: 181980
Ion Ratio Lower Upper
152 100
150 163.0 124.8 187.2
115 63.1 46.5 69.7

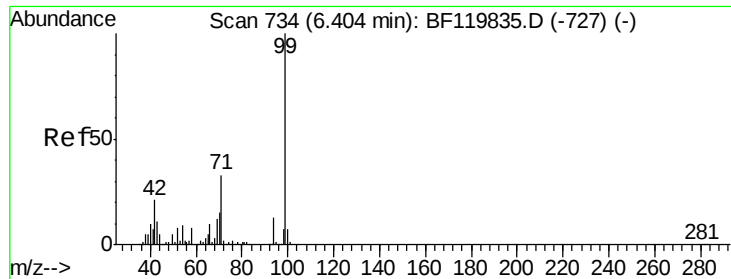


#5

2-Fluorophenol
Concen: 138.776 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF119996.D
Acq: 15 Apr 2020 16:22

Tgt Ion:112 Resp: 1461329
Ion Ratio Lower Upper
112 100
64 64.7 55.5 83.3
63 32.7 29.1 43.7





#7

Phenol-d6

Concen: 121.774 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF119996.D

Acq: 15 Apr 2020 16:22

Instrument :

BNA_F

ClientSampleId :

TP-21A

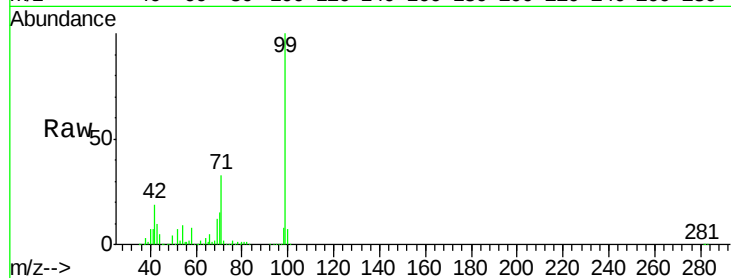
Tot Ion: 99 Resp: 1652308

Ion Ratio Lower Upper

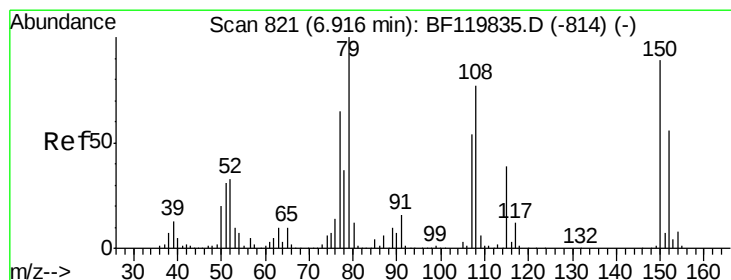
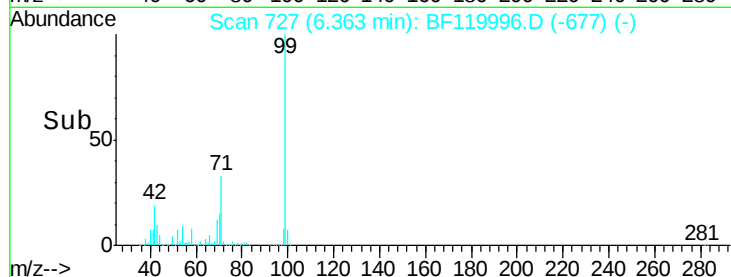
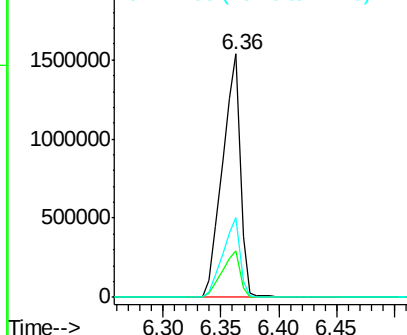
99 100

42 18.9 16.9 25.3

71 32.8 26.3 39.5



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



#15

Benzyl Alcohol

Concen: 2.084 ng

RT: 6.88 min Scan# 815

Delta R.T. 0.01 min

Lab File: BF119996.D

Acq: 15 Apr 2020 16:22

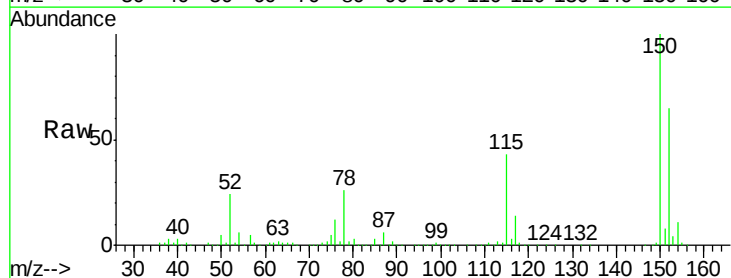
Tgt Ion: 79 Resp: 21963

Ion Ratio Lower Upper

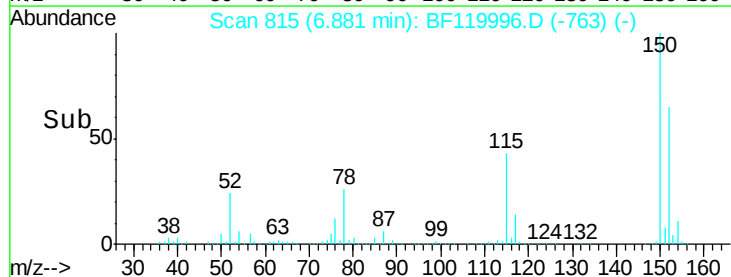
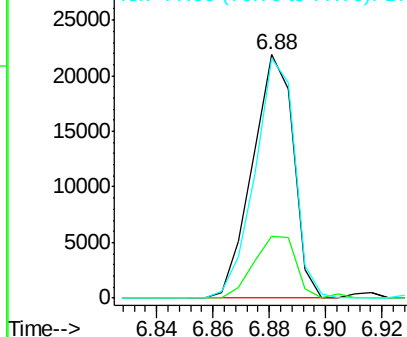
79 100

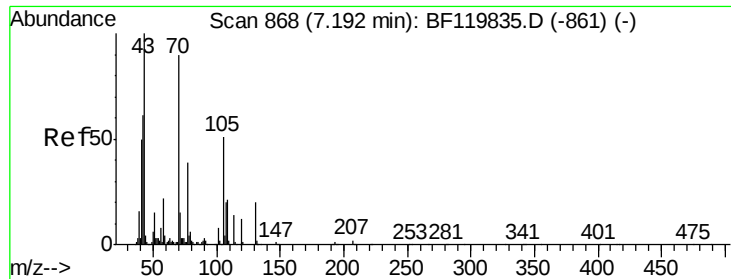
108 25.3 62.0 93.0#

77 98.4 51.8 77.6#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

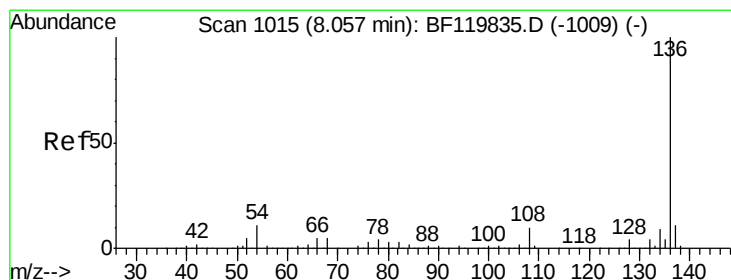
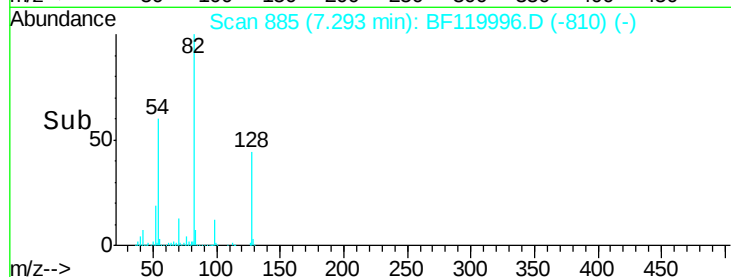
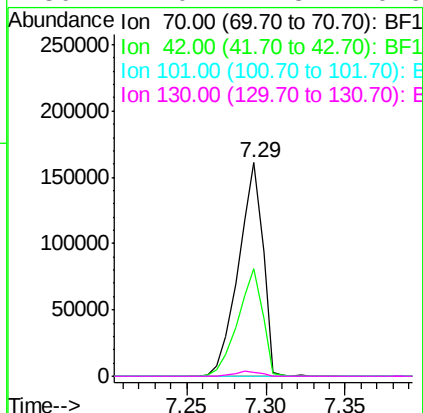
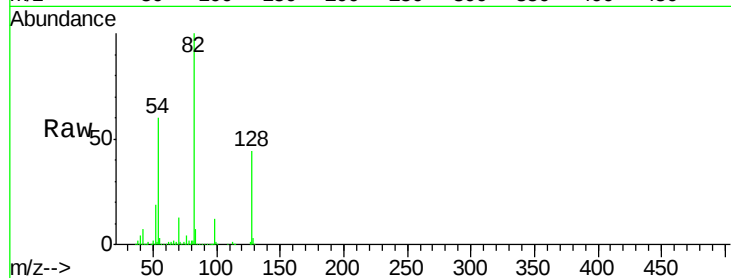




#19
n-Nitroso-di-n-propylamine
Concen: 19.653 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF119996.D
Acq: 15 Apr 2020 16:22

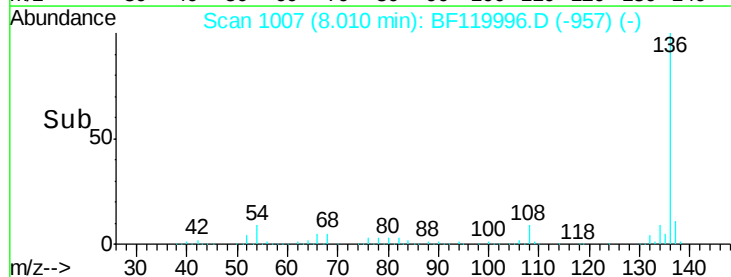
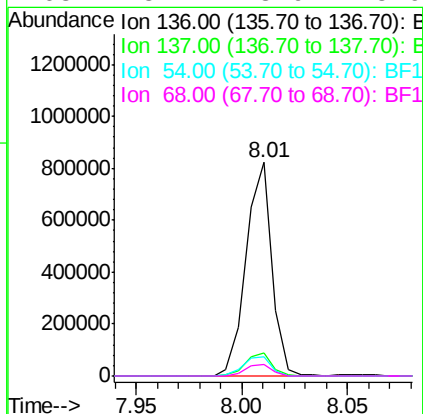
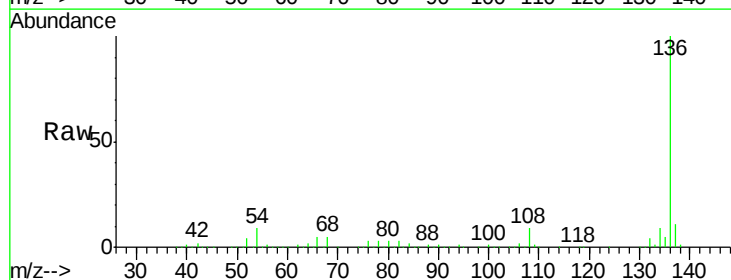
Instrument :
BNA_F
ClientSampleId :
TP-21A

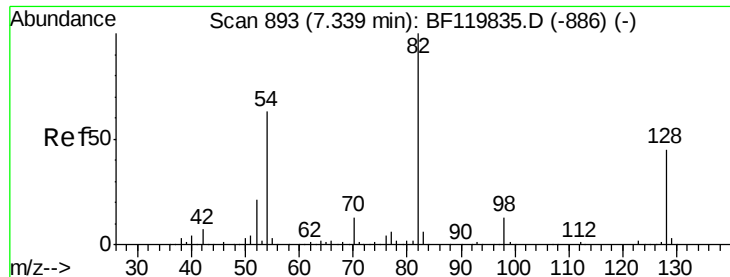
Tot Ion: 70 Resp: 171479
Ion Ratio Lower Upper
70 100
42 50.6 54.2 81.4#
101 0.0 7.4 11.2#
130 2.0 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF119996.D
Acq: 15 Apr 2020 16:22

Tgt Ion: 136 Resp: 696797
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 9.2 8.5 12.7
68 5.2 3.9 5.9





#23

Nitrobenzene-d5

Concen: 97.563 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF119996.D

Acq: 15 Apr 2020 16:22

Instrument :

BNA_F

ClientSampleId :

TP-21A

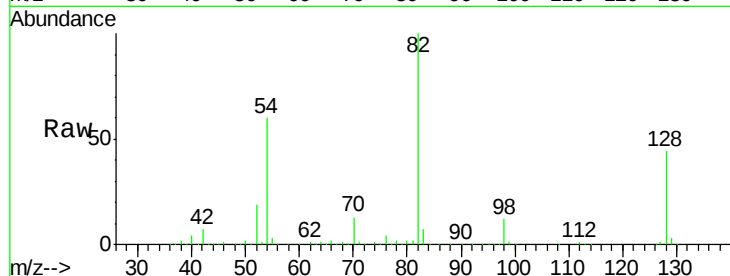
Tot Ion: 82 Resp: 1314069

Ion Ratio Lower Upper

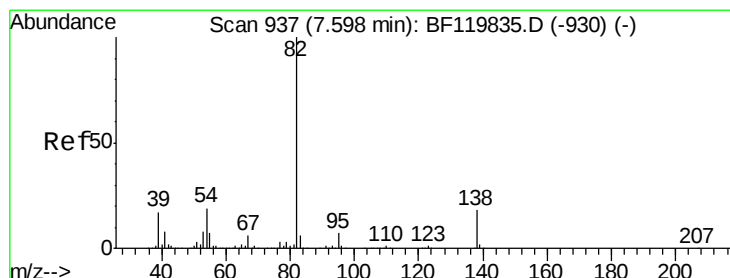
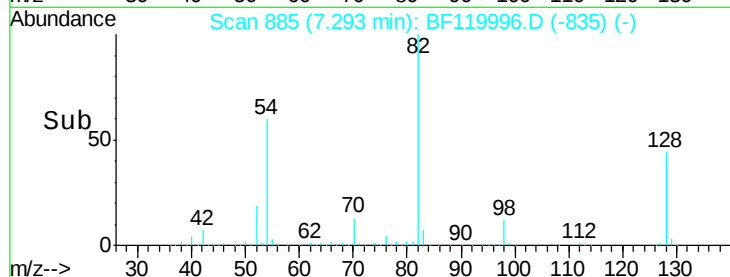
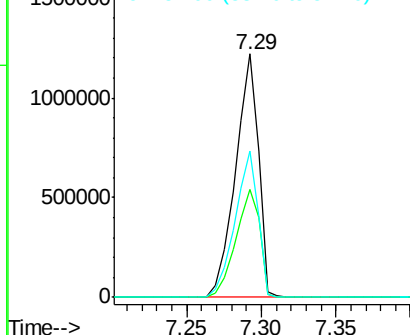
82 100

128 44.4 36.2 54.4

54 60.0 50.4 75.6



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 50.413 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF119996.D

Acq: 15 Apr 2020 16:22

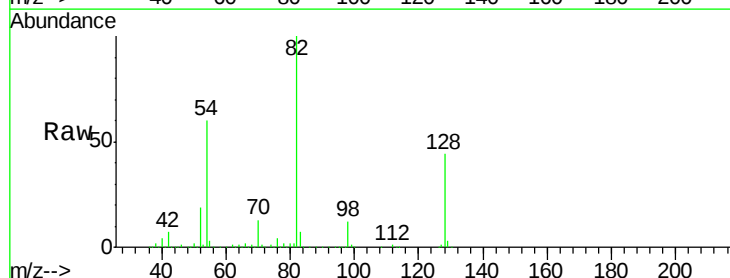
Tgt Ion: 82 Resp: 1308925

Ion Ratio Lower Upper

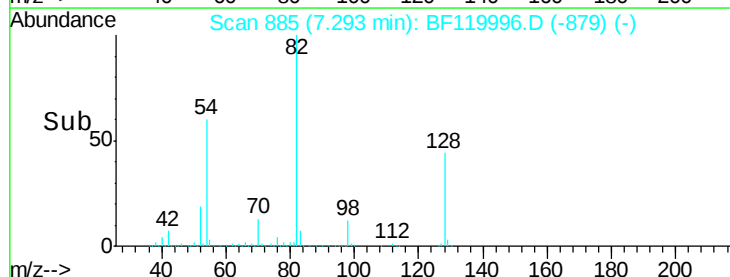
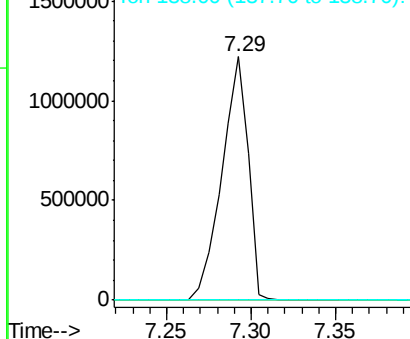
82 100

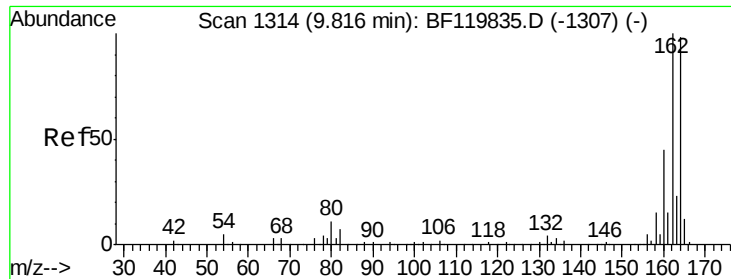
95 0.0 5.8 8.6#

138 0.0 14.5 21.7#



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: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF119996.D

Acq: 15 Apr 2020 16:22

Instrument :

BNA_F

ClientSampleId :

TP-21A

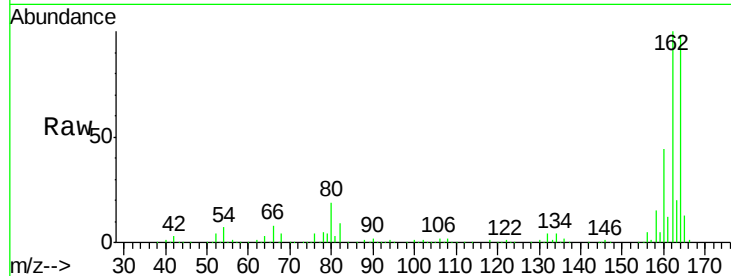
Tot Ion:164 Resp: 374971

Ion Ratio Lower Upper

164 100

162 102.4 81.9 122.9

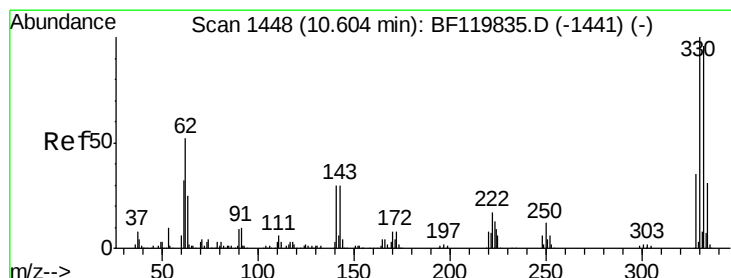
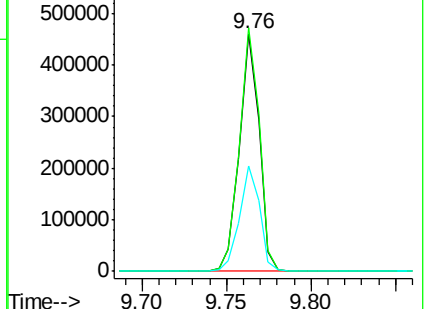
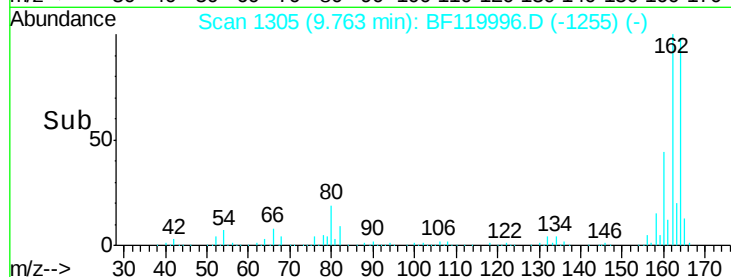
160 44.6 36.6 54.8



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: 126.917 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF119996.D

Acq: 15 Apr 2020 16:22

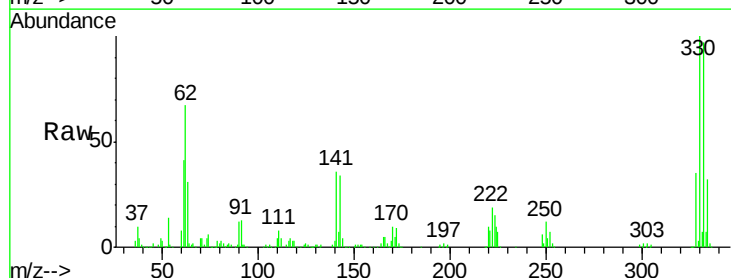
Tgt Ion:330 Resp: 582666

Ion Ratio Lower Upper

330 100

332 97.4 76.8 115.2

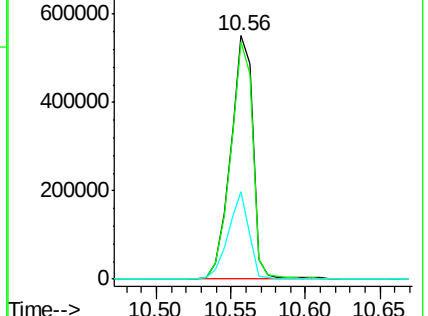
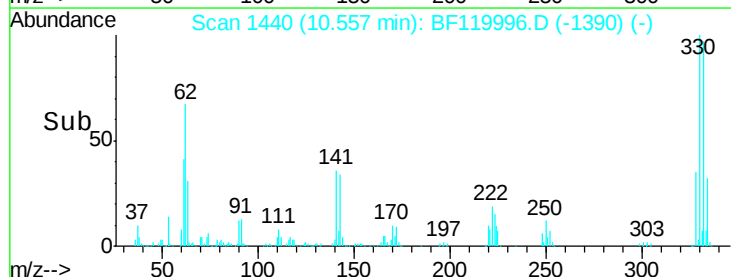
141 33.7 25.1 37.7

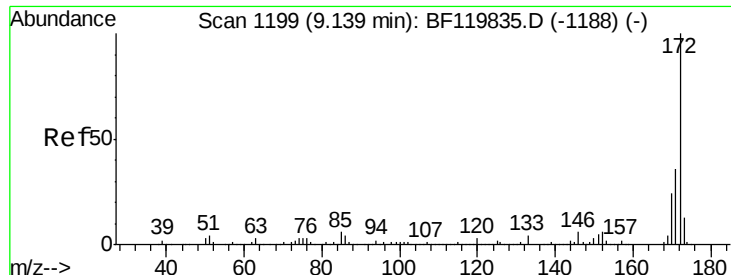


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

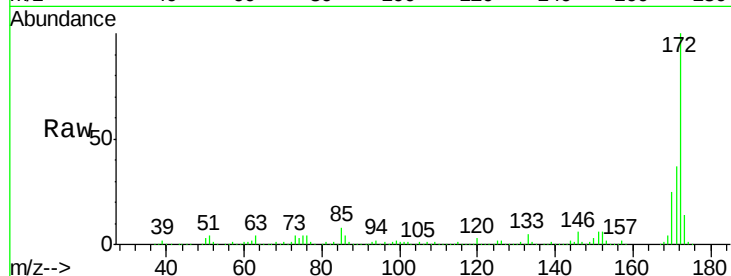




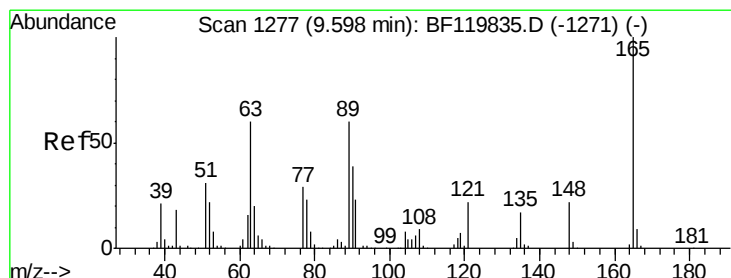
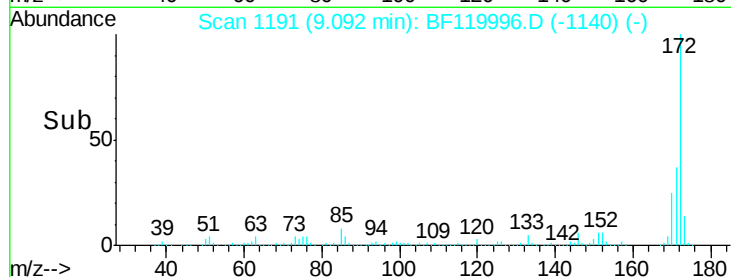
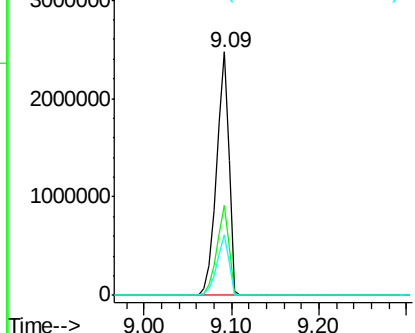
#45
2-Fluorobiphenyl
Concen: 92.438 ng
RT: 9.09 min Scan# 1191
Delta R.T. 0.00 min
Lab File: BF119996.D
Acq: 15 Apr 2020 16:22

Instrument :
BNA_F
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TP-21A

Tot Ion:172 Resp: 2441325
Ion Ratio Lower Upper
172 100
171 37.0 28.9 43.3
170 24.7 19.4 29.2

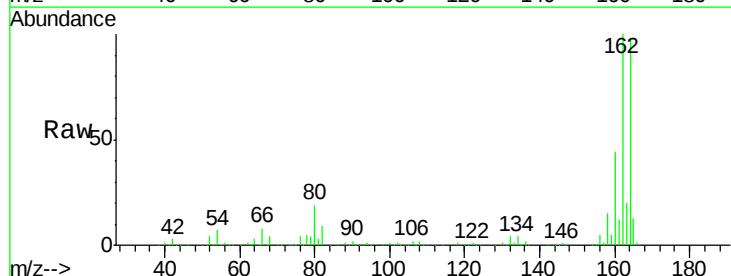


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

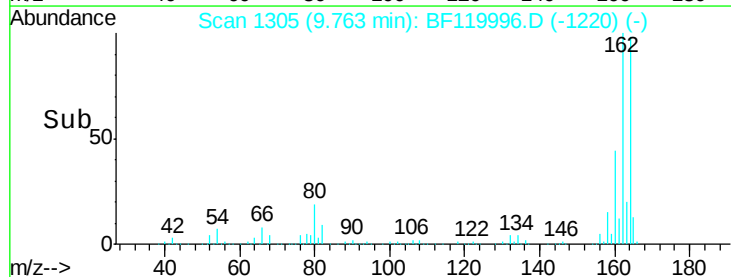
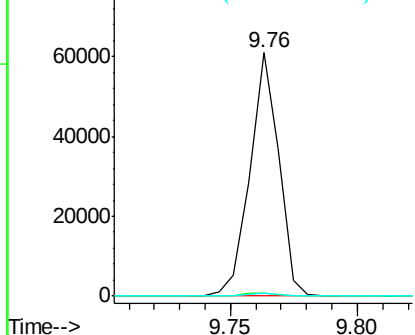


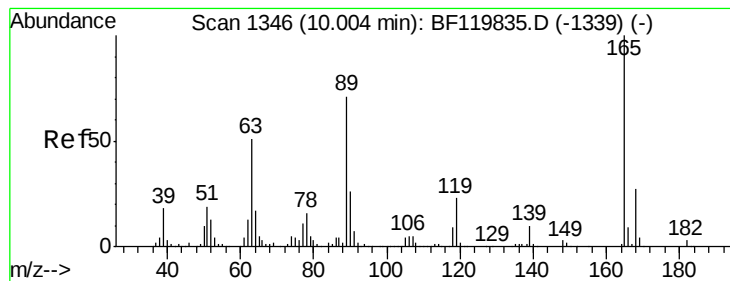
#51
2,6-Dinitrotoluene
Concen: 7.624 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF119996.D
Acq: 15 Apr 2020 16:22

Tgt Ion:165 Resp: 48421
Ion Ratio Lower Upper
165 100
63 1.0 55.6 83.4#
89 1.3 47.9 71.9#



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: 5.787 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.20 min

Lab File: BF119996.D

Acq: 15 Apr 2020 16:22

Instrument :

BNA_F

ClientSampleId :

TP-21A

Tot Ion:165 Resp: 48421

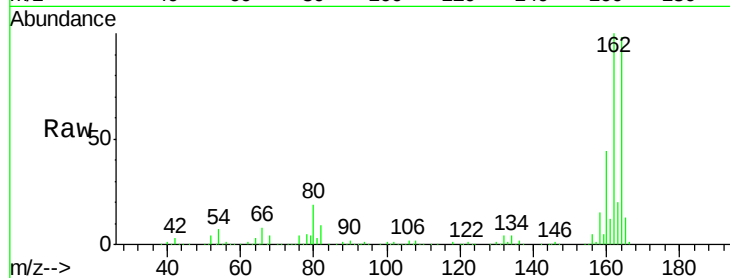
Ion Ratio Lower Upper

165 100

63 1.0 40.8 61.2#

89 1.3 56.9 85.3#

182 0.0 2.0 3.0#

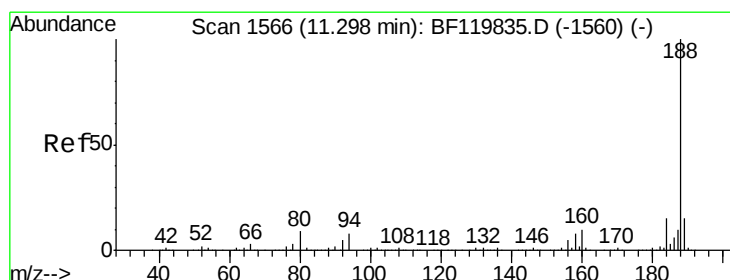
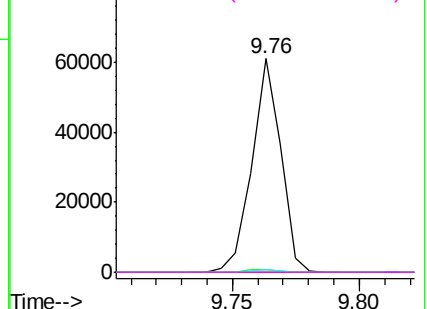
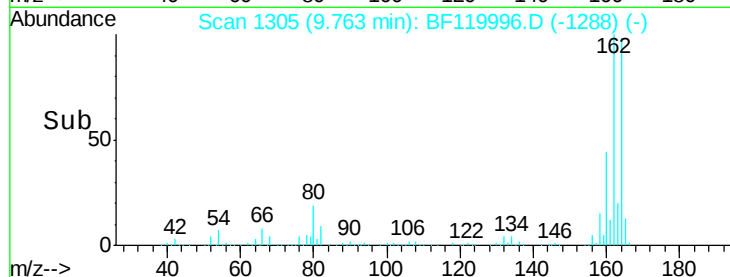


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF119996.D

Acq: 15 Apr 2020 16:22

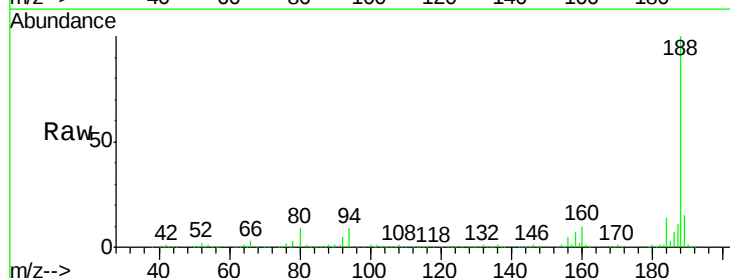
Tgt Ion:188 Resp: 759436

Ion Ratio Lower Upper

188 100

94 8.8 6.7 10.1

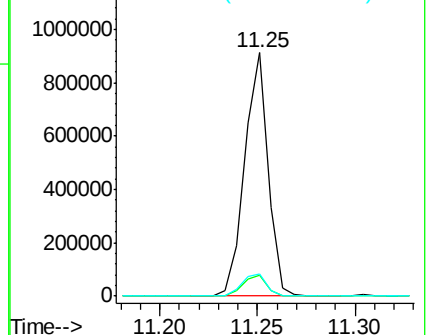
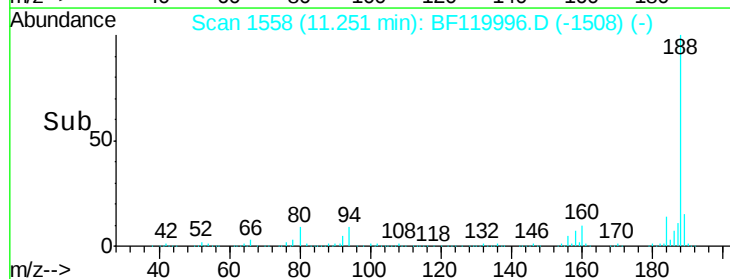
80 8.9 7.4 11.2

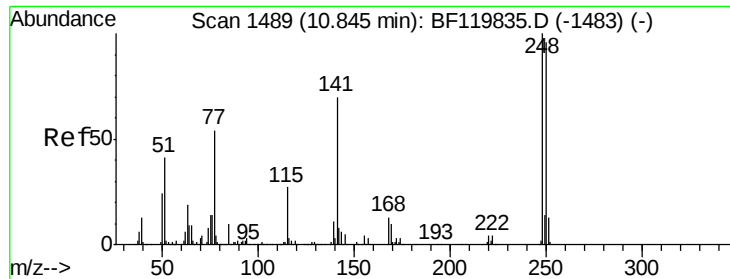


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

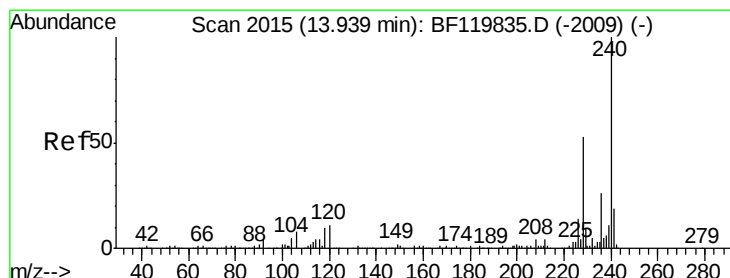
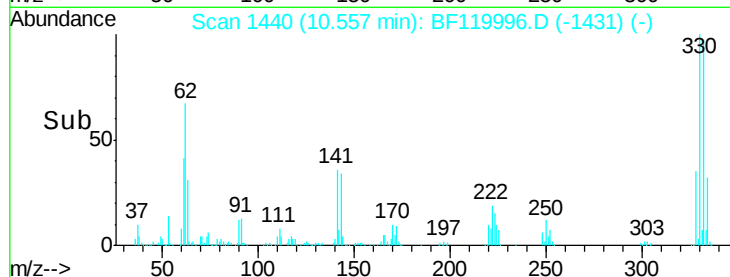
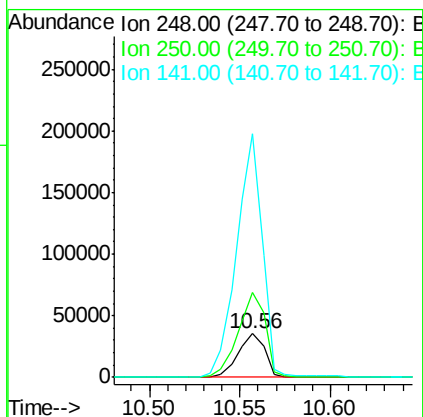
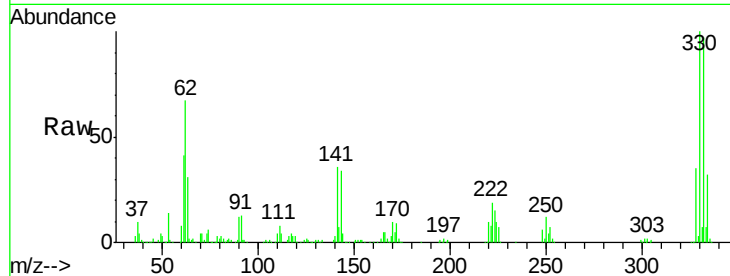




#67
 4-Bromophenyl-phenylether
 Concen: 3.861 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.25 min
 Lab File: BF119996.D
 Acq: 15 Apr 2020 16:22

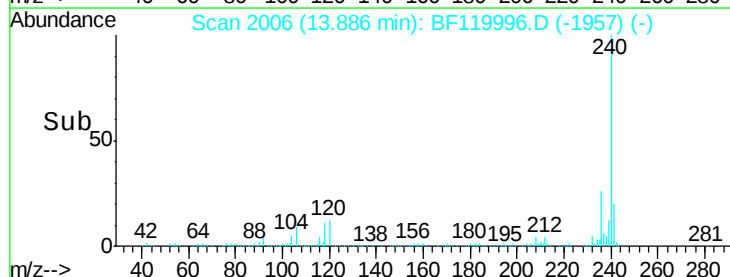
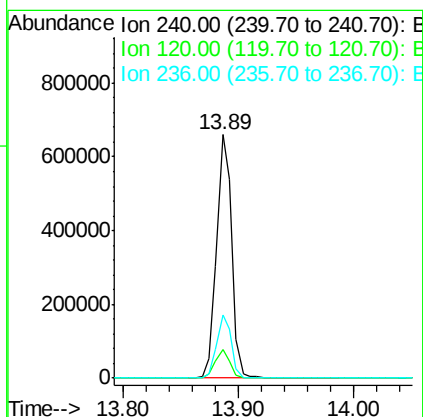
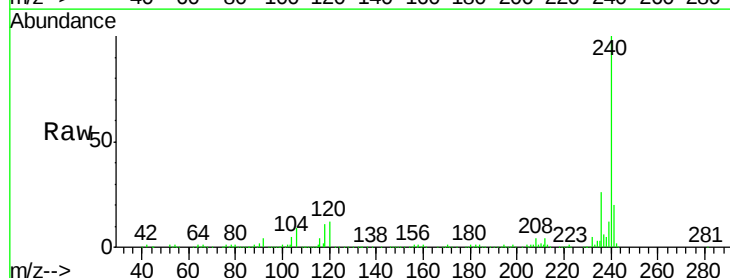
Instrument :
 BNA_F
 ClientSampled :
 TP-21A

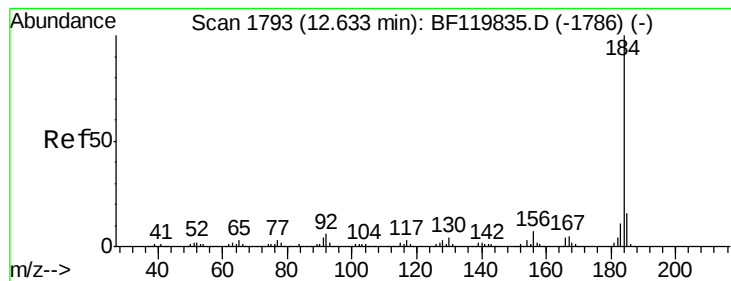
Tot Ion:248 Resp: 36465
 Ion Ratio Lower Upper
 248 100
 250 194.5 76.6 114.8#
 141 560.7 55.9 83.9#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF119996.D
 Acq: 15 Apr 2020 16:22

Tgt Ion:240 Resp: 596676
 Ion Ratio Lower Upper
 240 100
 120 12.0 9.0 13.6
 236 25.8 20.7 31.1





#77

Benzidine

Concen: 6.337 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF119996.D

Acq: 15 Apr 2020 16:22

Instrument :

BNA_F

ClientSampleId :

TP-21A

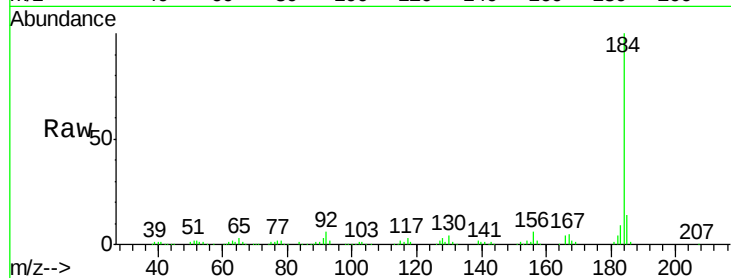
Tot Ion:184 Resp: 127821

Ion Ratio Lower Upper

184 100

185 13.8 13.2 19.8

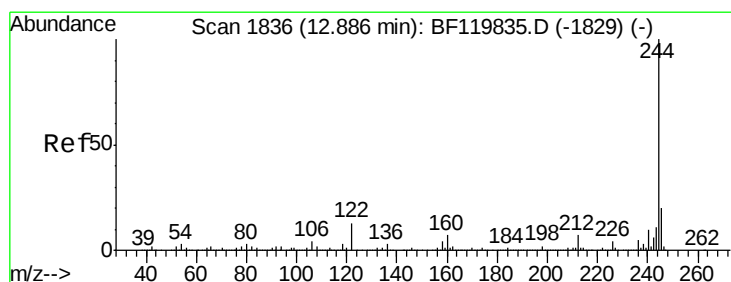
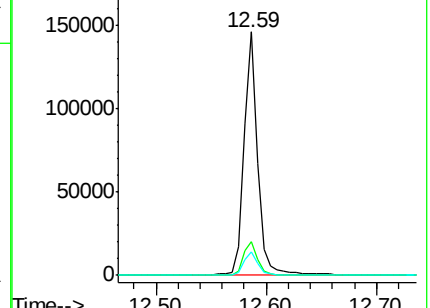
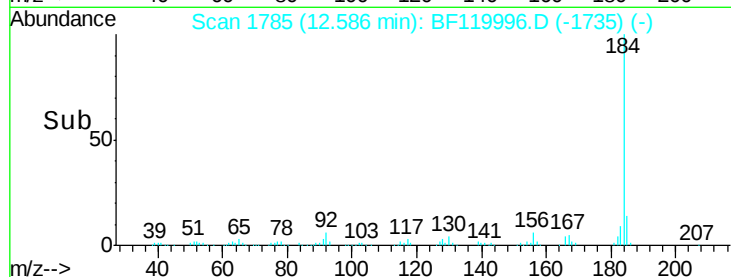
183 9.4 9.1 13.7



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 81.815 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BF119996.D

Acq: 15 Apr 2020 16:22

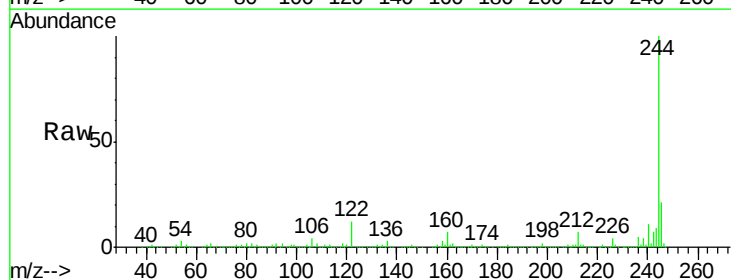
Tgt Ion:244 Resp: 2901208

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

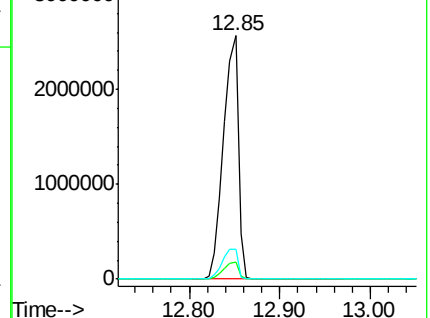
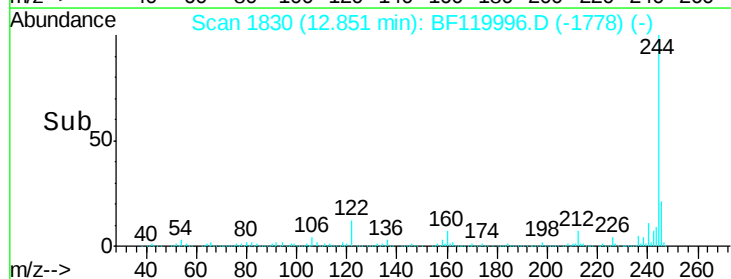
122 12.2 10.3 15.5

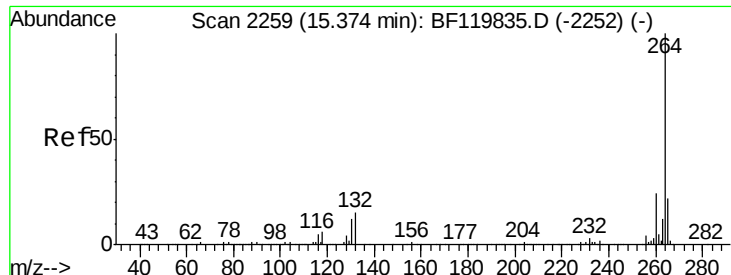


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



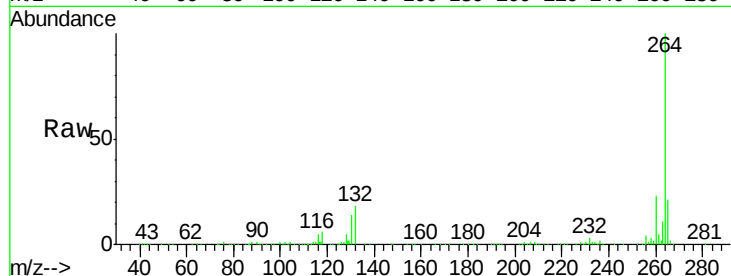


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.00 min
Lab File: BF119996.D
Acq: 15 Apr 2020 16:22

Instrument :
BNA_F
ClientSampleId :
TP-21A

Tot Ion:264 Resp: 488645

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.3	28.9
265	21.0	17.6	26.4



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

