

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041520\
 Data File : BF119998.D
 Acq On : 15 Apr 2020 17:16
 Operator : MA/SJ
 Sample : L2245-33
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-28

Quant Time: Apr 16 01:14:39 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

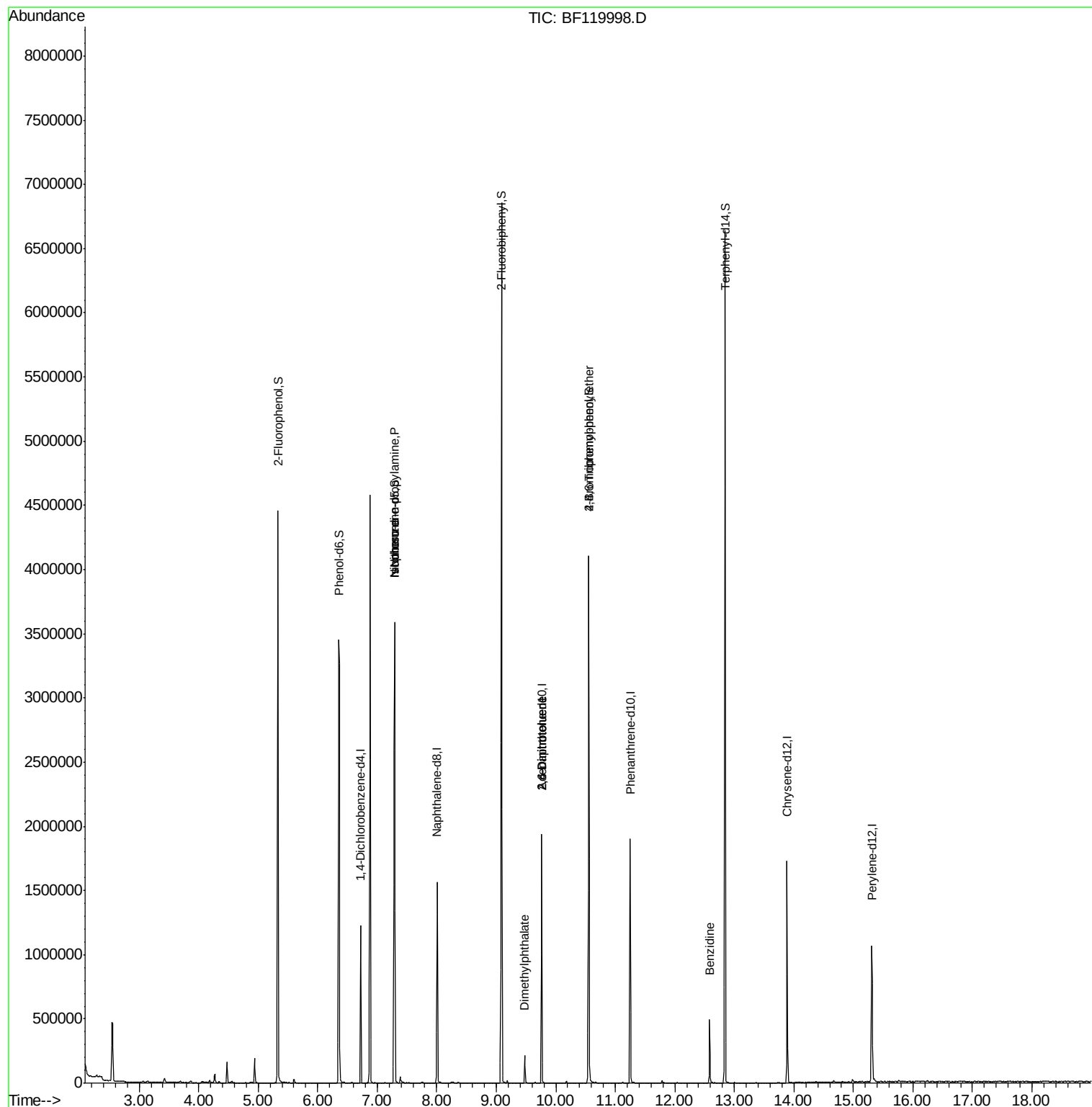
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	174131	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	672698	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	362095	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	717761	20.00	ng	0.00
76) Chrysene-d12	13.89	240	574055	20.00	ng	-0.01
87) Perylene-d12	15.31	264	477737	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1203469	119.44	ng	0.00
7) Phenol-d6	6.36	99	1389899	107.05	ng	-0.01
23) Nitrobenzene-d5	7.29	82	1147374	88.24	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	497580	112.24	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	2164672	84.88	ng	0.00
79) Terphenyl-d14	12.84	244	2668642	78.22	ng	0.00
Target Compounds						
9) Benzaldehyde	6.36	77	1873	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.29	70	150164	17.986 ng	#	75
25) Isophorone	7.29	82	1142817	45.592 ng	#	65
50) Dimethylphthalate	9.48	163	78326	2.797 ng		97
51) 2,6-Dinitrotoluene	9.76	165	45507	7.420 ng	#	19
57) 2,4-Dinitrotoluene	9.76	165	45507	5.632 ng	#	22
67) 4-Bromophenyl-phenylether	10.56	248	31356	3.513 ng	#	1
77) Benzidine	12.59	184	175027	9.020 ng		97

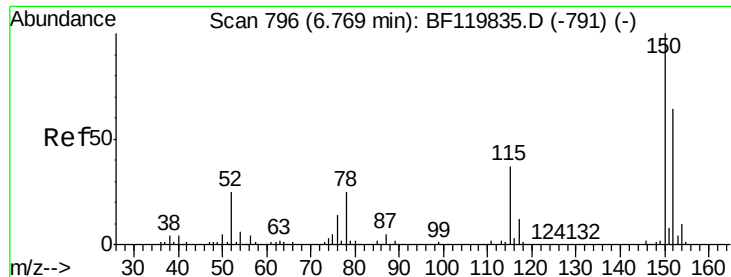
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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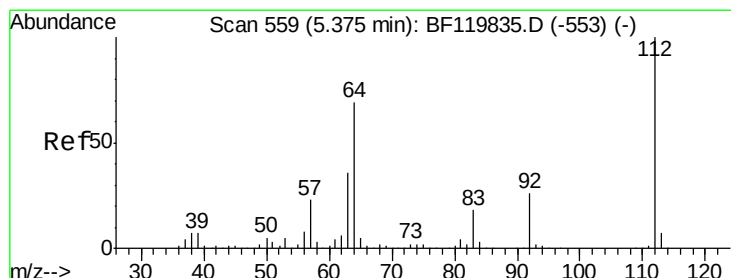
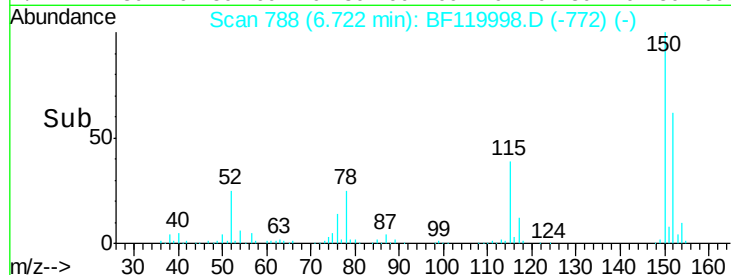
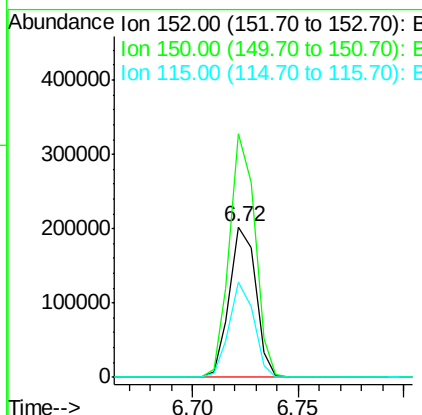
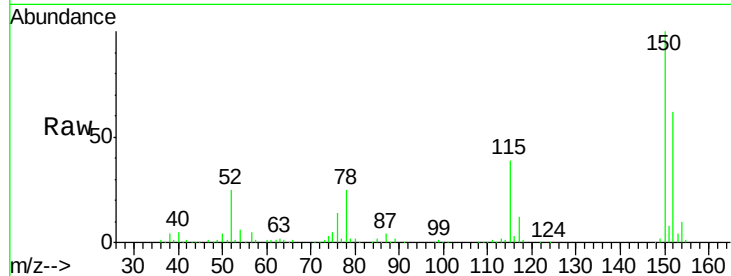


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF119998.D
Acq: 15 Apr 2020 17:16

Instrument :
BNA_F
ClientSampled :
TP-28

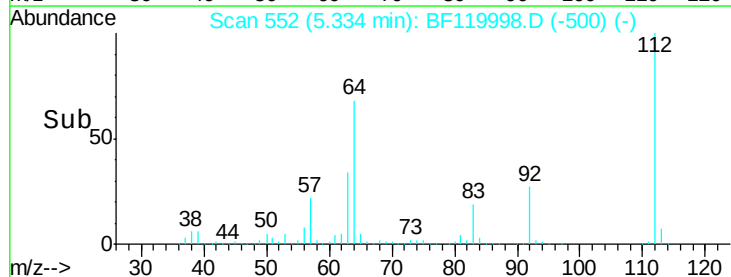
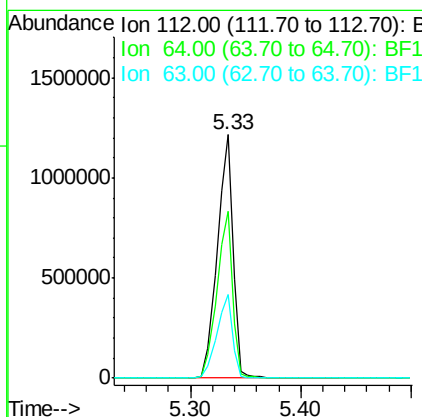
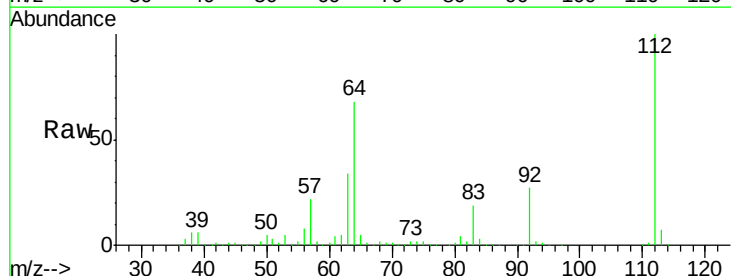
Tot Ion:152 Resp: 174131
Ion Ratio Lower Upper
152 100
150 161.8 124.8 187.2
115 63.5 46.5 69.7

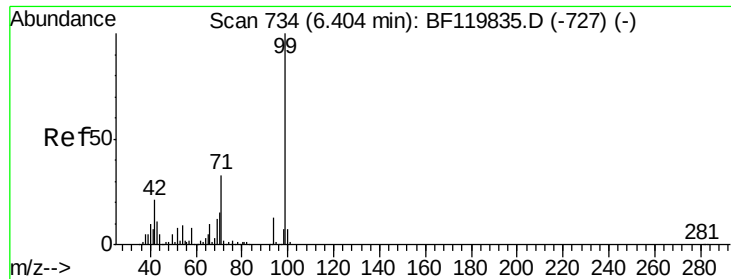


#5

2-Fluorophenol
Concen: 119.440 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF119998.D
Acq: 15 Apr 2020 17:16

Tgt Ion:112 Resp: 1203469
Ion Ratio Lower Upper
112 100
64 68.3 55.5 83.3
63 34.5 29.1 43.7





#7

Phenol-d6

Concen: 107.052 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF119998.D

Acq: 15 Apr 2020 17:16

Instrument :

BNA_F

ClientSampleId :

TP-28

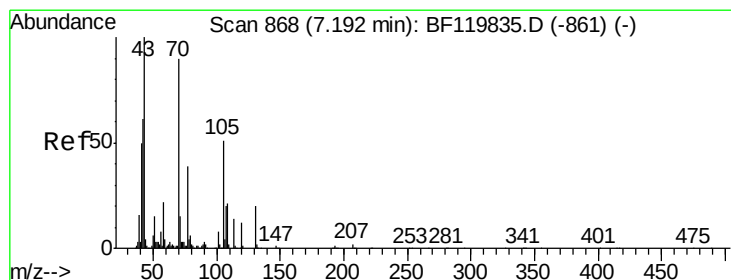
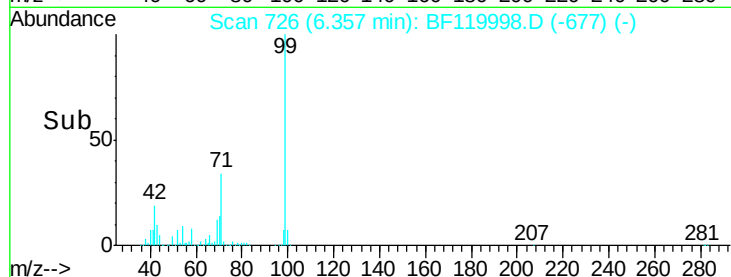
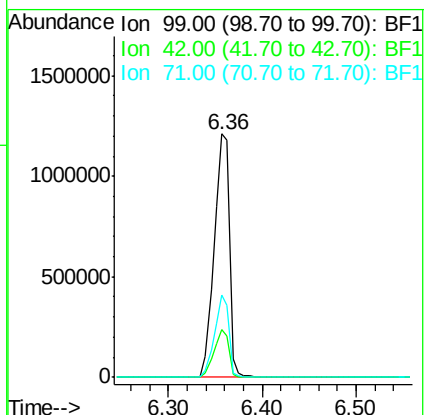
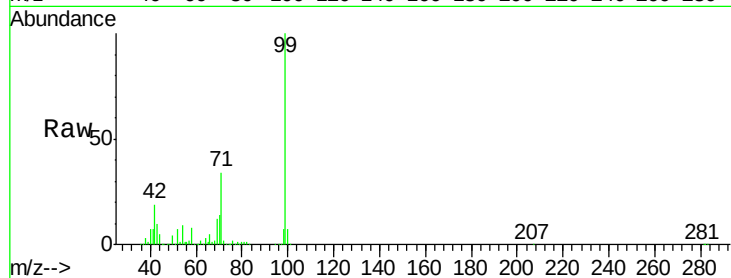
Tot Ion: 99 Resp: 1389899

Ion Ratio Lower Upper

99 100

42 19.4 16.9 25.3

71 33.7 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 17.986 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF119998.D

Acq: 15 Apr 2020 17:16

Tgt Ion: 70 Resp: 150164

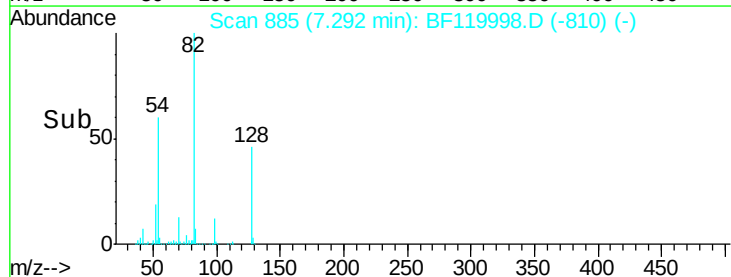
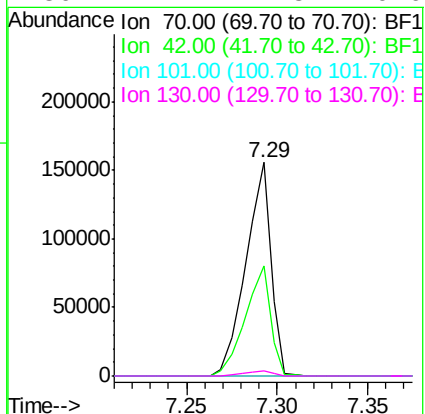
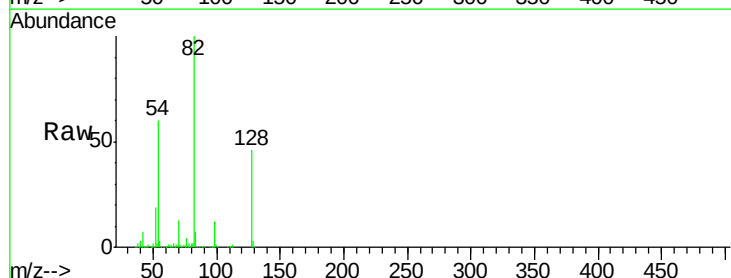
Ion Ratio Lower Upper

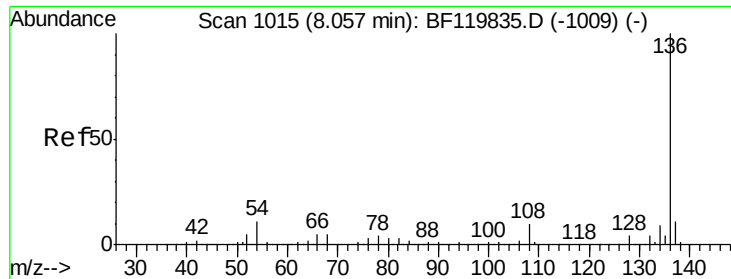
70 100

42 51.8 54.2 81.4#

101 0.0 7.4 11.2#

130 2.2 17.8 26.6#

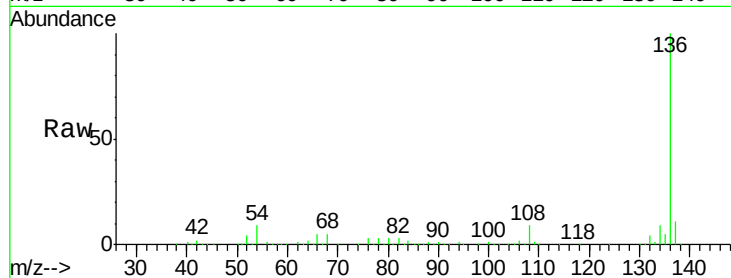




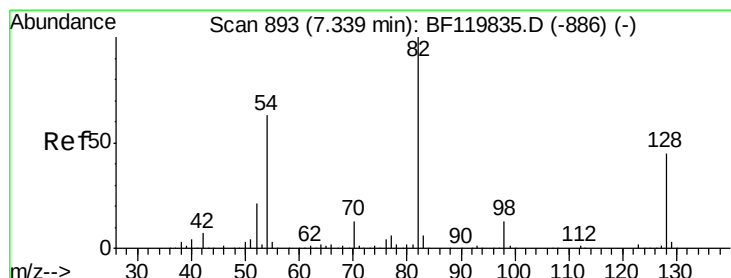
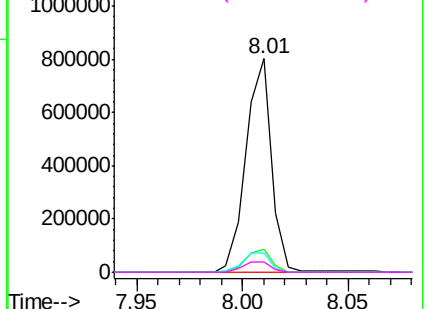
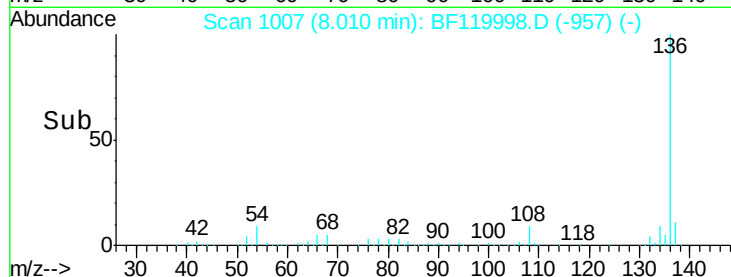
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF119998.D
Acq: 15 Apr 2020 17:16

Instrument :
BNA_F
ClientSampleId :
TP-28

Tot Ion:136	Resp:	672698
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.7 13.1
54	9.1	8.5 12.7
68	5.1	3.9 5.9

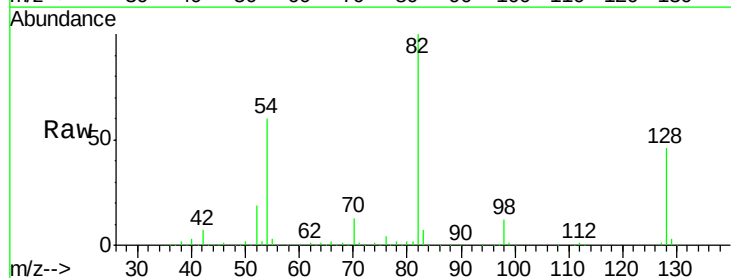


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

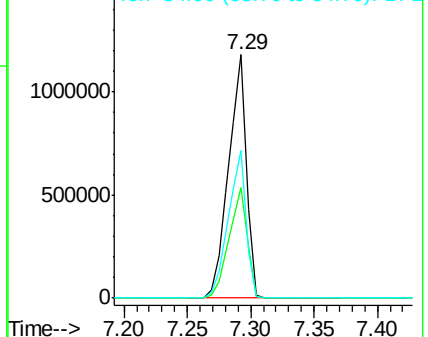
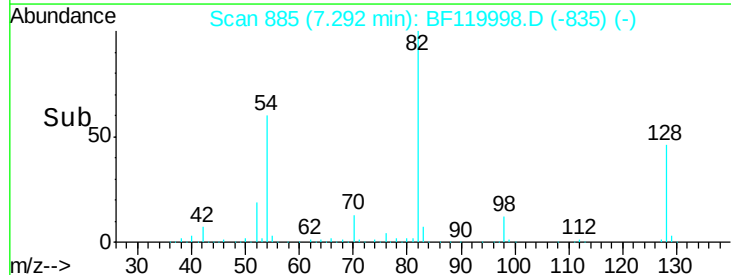


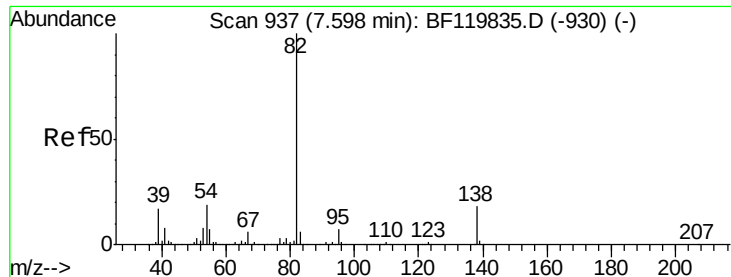
#23
Nitrobenzene-d5
Concen: 88.238 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF119998.D
Acq: 15 Apr 2020 17:16

Tgt Ion: 82	Resp:	1147374
Ion Ratio	Lower	Upper
82	100	
128	45.5	36.2 54.4
54	60.5	50.4 75.6



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: 45.592 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF119998.D

Acq: 15 Apr 2020 17:16

Instrument :

BNA_F

ClientSampleId :

TP-28

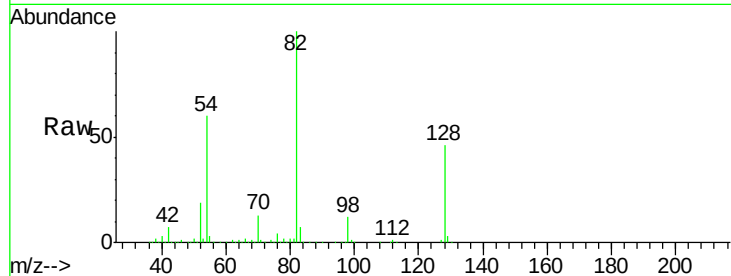
Tot Ion: 82 Resp: 1142817

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

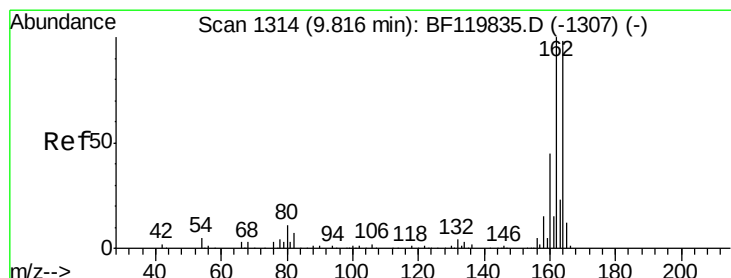
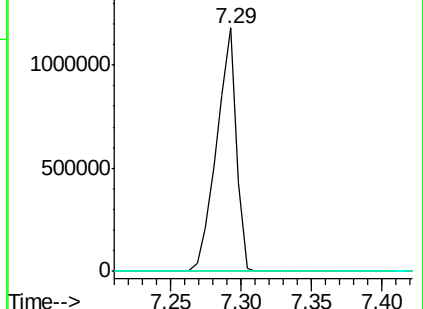
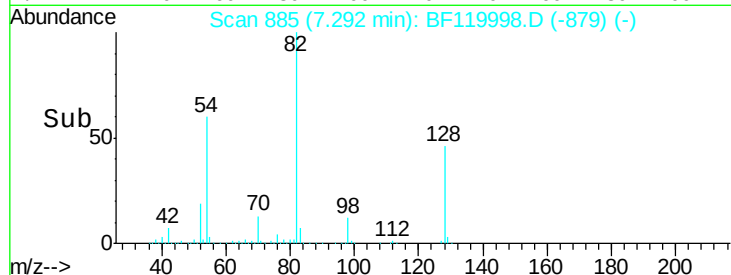
138 0.0 14.5 21.7#



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: BF119998.D

Acq: 15 Apr 2020 17:16

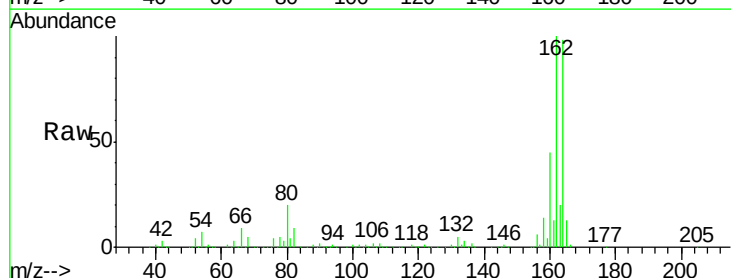
Tgt Ion:164 Resp: 362095

Ion Ratio Lower Upper

164 100

162 102.1 81.9 122.9

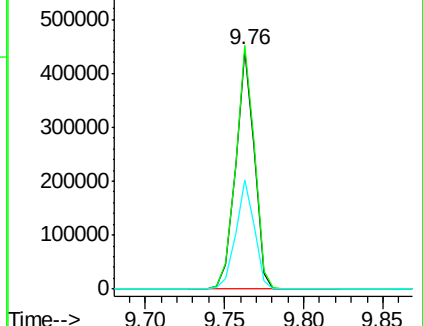
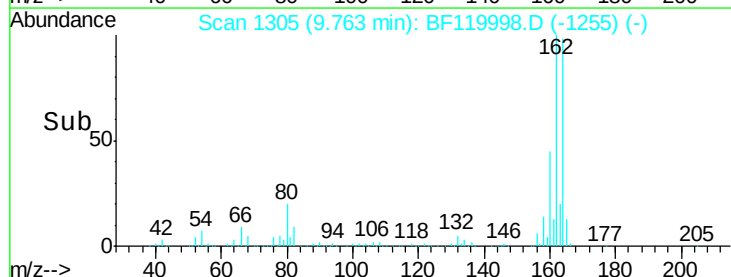
160 45.7 36.6 54.8

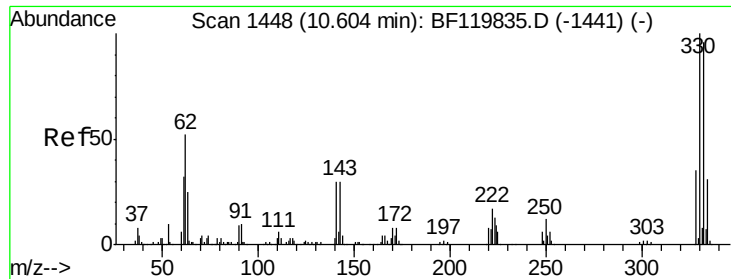


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

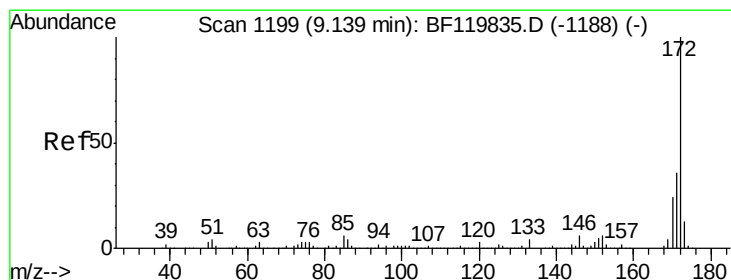
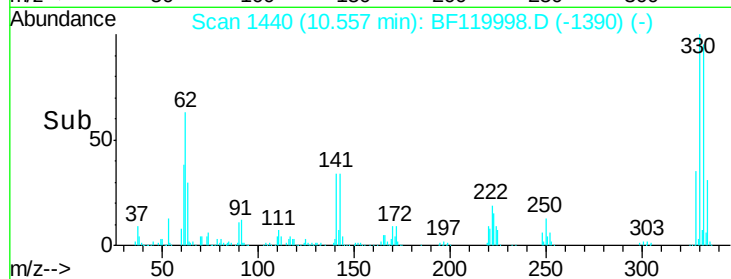
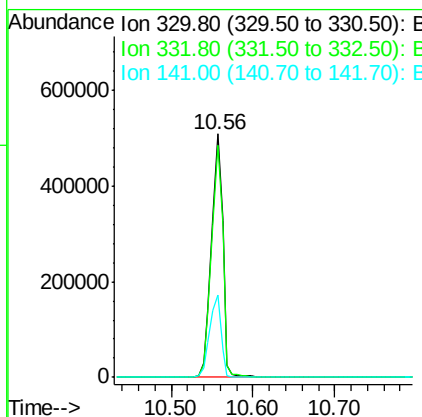
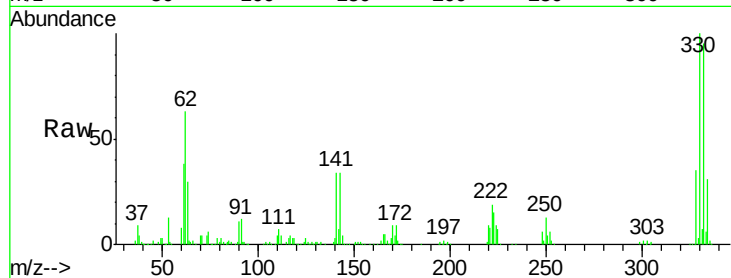




#42
 2,4,6-Tribromophenol
 Concen: 112.238 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF119998.D
 Acq: 15 Apr 2020 17:16

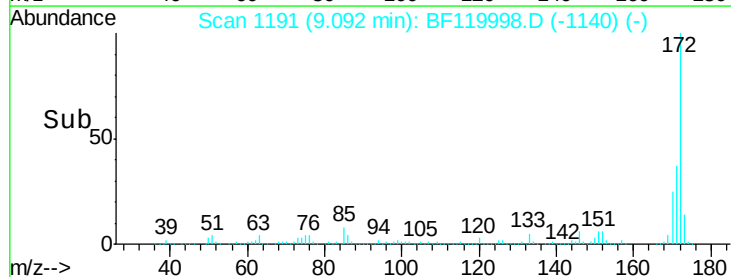
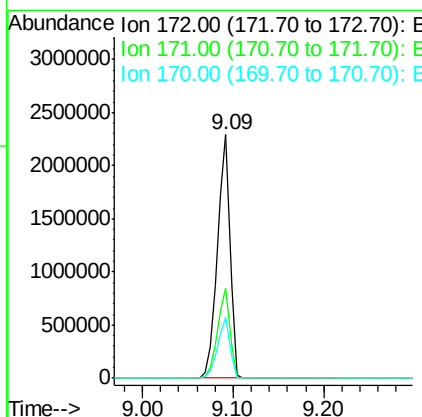
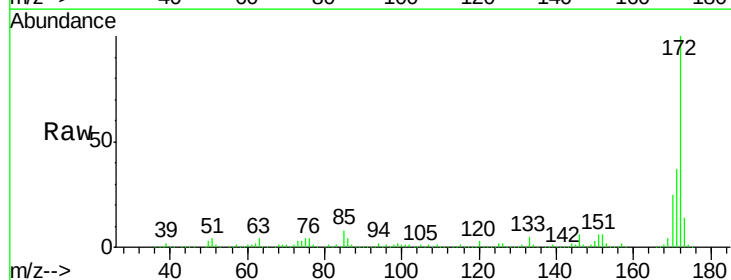
Instrument :
 BNA_F
 ClientSampleId :
 TP-28

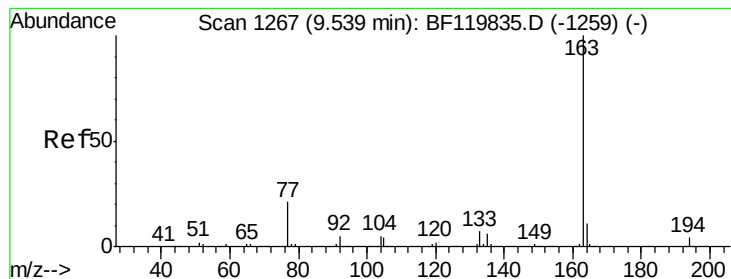
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.8	115.2
141	33.9	25.1	37.7



#45
 2-Fluorobiphenyl
 Concen: 84.877 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: BF119998.D
 Acq: 15 Apr 2020 17:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	28.9	43.3
170	25.0	19.4	29.2





#50

Dimethylphthalate

Concen: 2.797 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF119998.D

Acq: 15 Apr 2020 17:16

Instrument :

BNA_F

ClientSampled :

TP-28

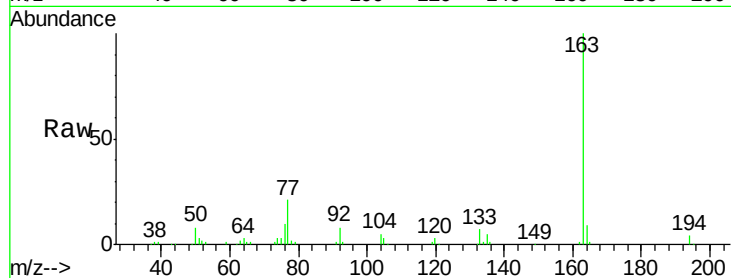
Tot Ion:163 Resp: 78326

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

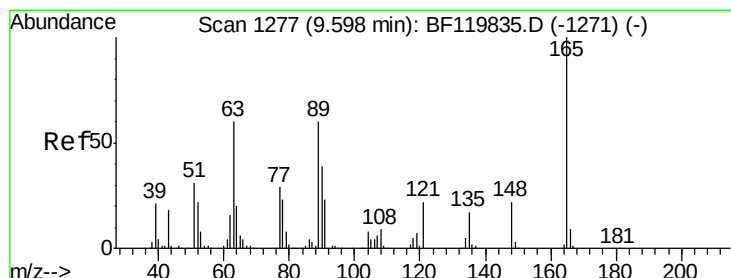
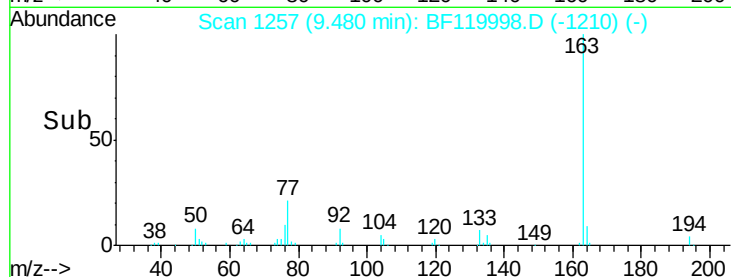
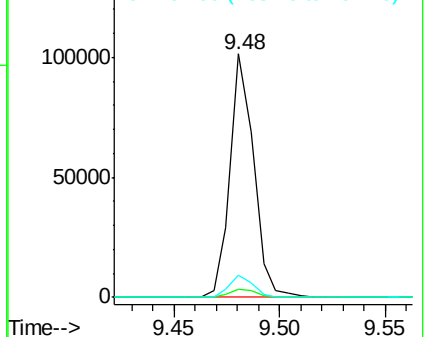
164 9.3 8.4 12.6



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: 7.420 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF119998.D

Acq: 15 Apr 2020 17:16

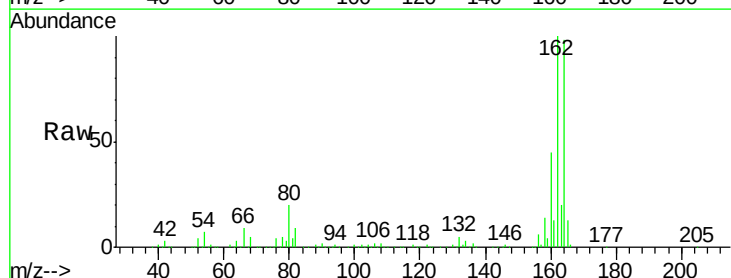
Tgt Ion:165 Resp: 45507

Ion Ratio Lower Upper

165 100

63 1.1 55.6 83.4#

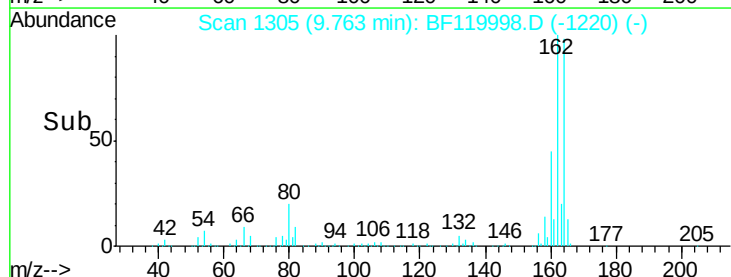
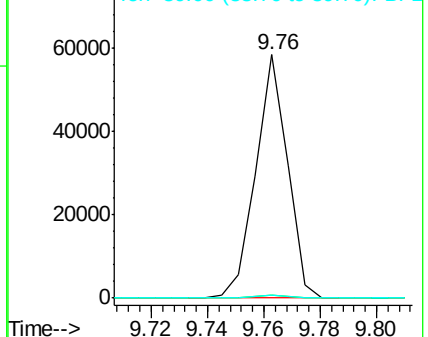
89 1.1 47.9 71.9#

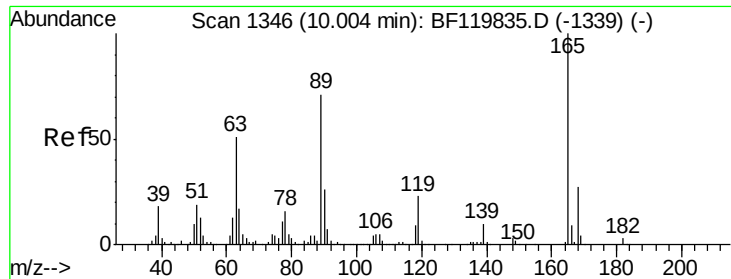


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

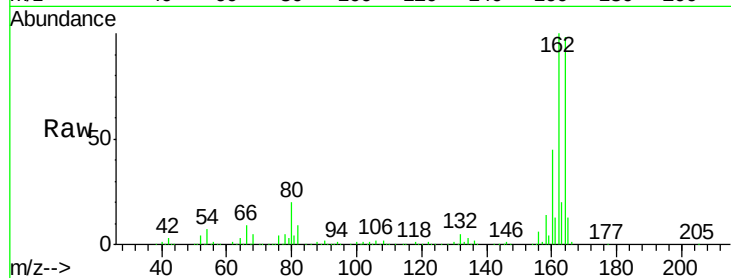




#57
 2,4-Dinitrotoluene
 Concen: 5.632 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.20 min
 Lab File: BF119998.D
 Acq: 15 Apr 2020 17:16

Instrument :
 BNA_F
 ClientSampleId :
 TP-28

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	40.8	61.2#
89	1.1	56.9	85.3#
182	0.0	2.0	3.0#

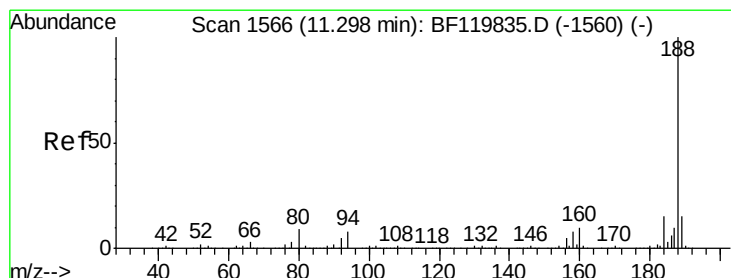
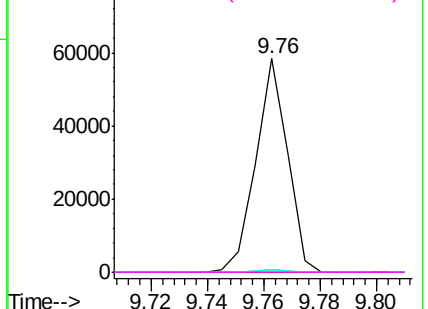
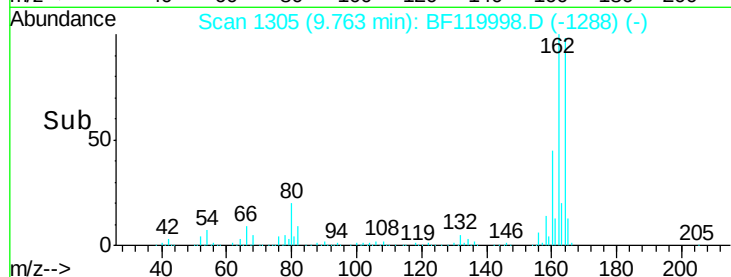


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

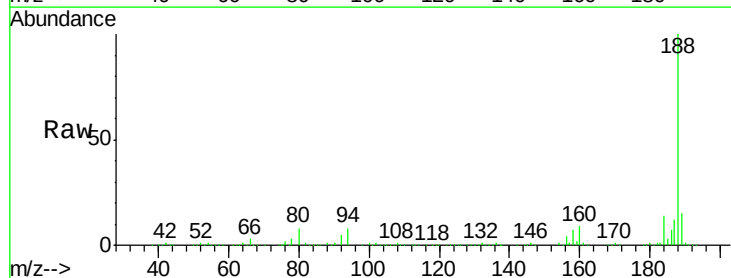
Ion 89.00 (88.70 to 89.70): BF1

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: BF119998.D
 Acq: 15 Apr 2020 17:16

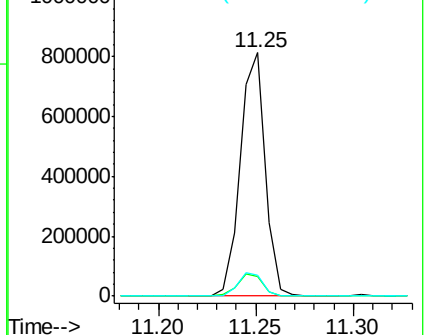
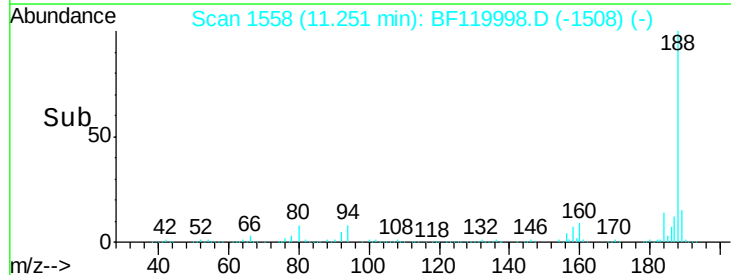
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.7	10.1
80	8.5	7.4	11.2

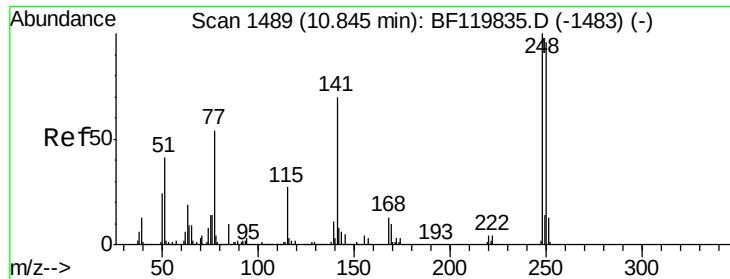


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

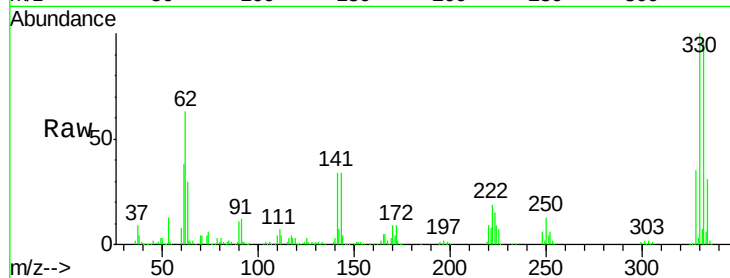




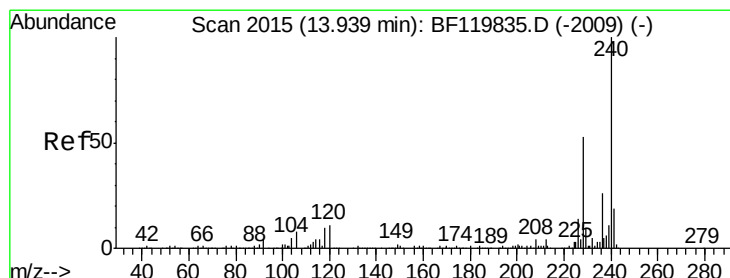
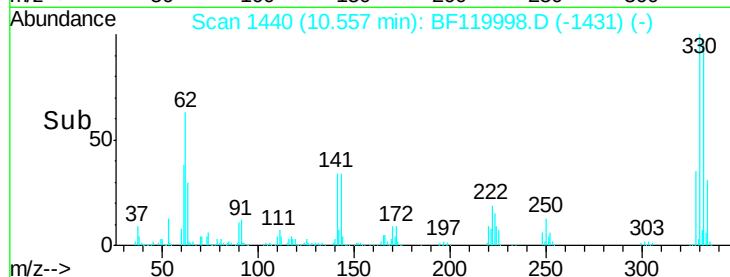
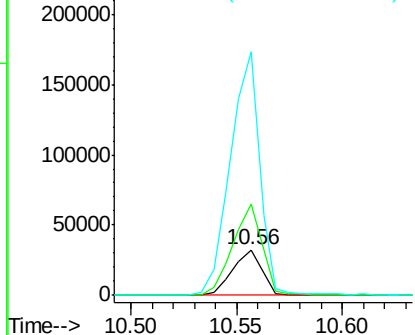
#67
 4-Bromophenyl-phenylether
 Concen: 3.513 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.25 min
 Lab File: BF119998.D
 Acq: 15 Apr 2020 17:16

Instrument :
 BNA_F
 ClientSampleId :
 TP-28

Tot Ion:248 Resp: 31356
 Ion Ratio Lower Upper
 248 100
 250 202.0 76.6 114.8#
 141 535.1 55.9 83.9#

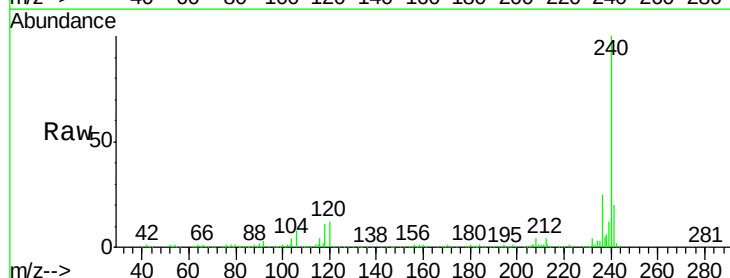


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

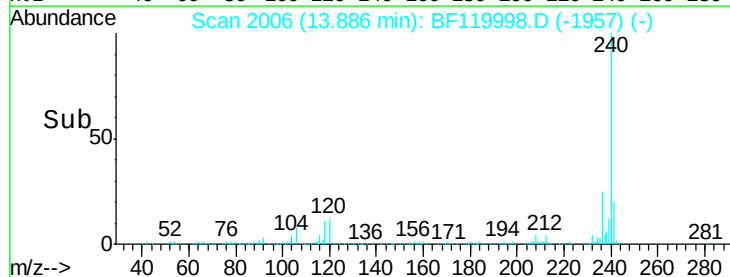
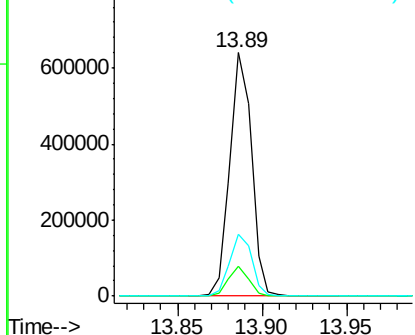


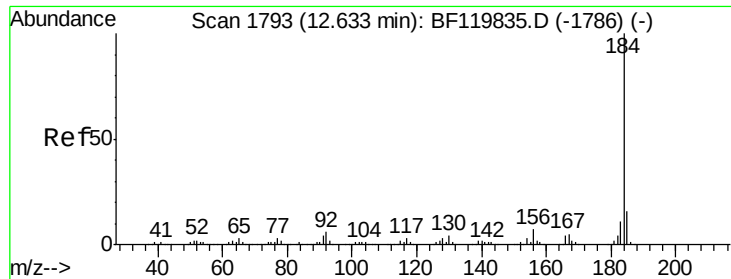
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF119998.D
 Acq: 15 Apr 2020 17:16

Tgt Ion:240 Resp: 574055
 Ion Ratio Lower Upper
 240 100
 120 12.0 9.0 13.6
 236 25.2 20.7 31.1



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

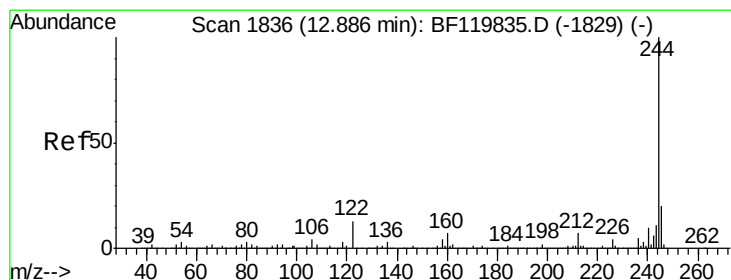
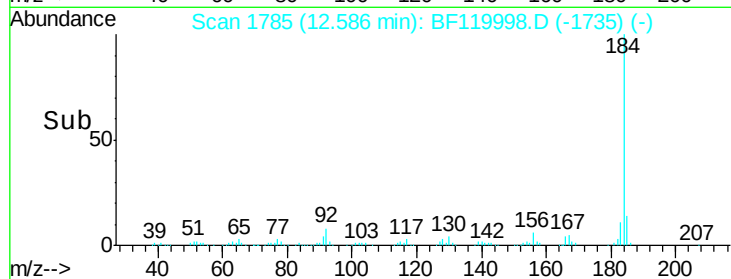
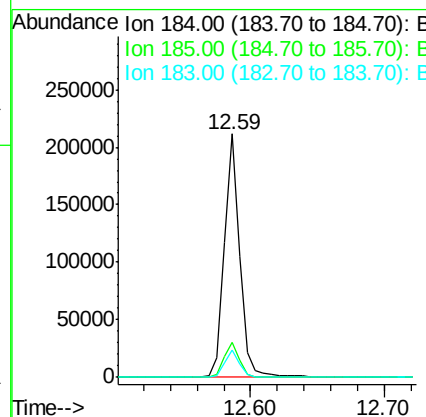
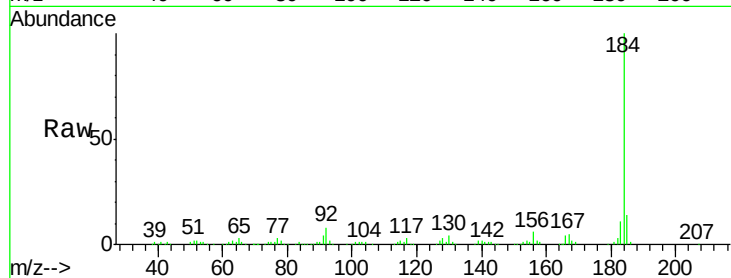




#77
Benzidine
Concen: 9.020 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF119998.D
Acq: 15 Apr 2020 17:16

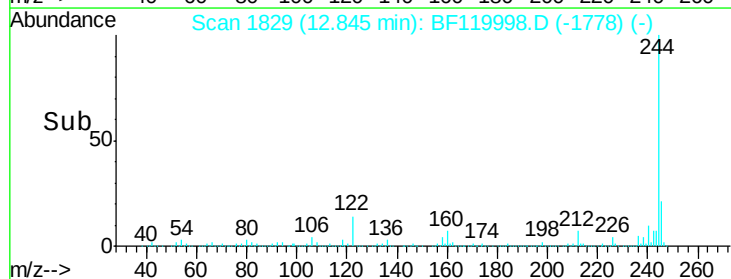
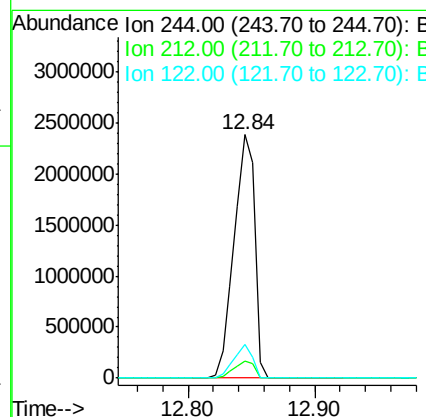
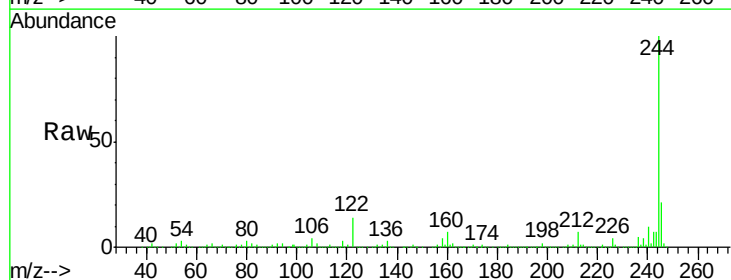
Instrument :
BNA_F
ClientSampled :
TP-28

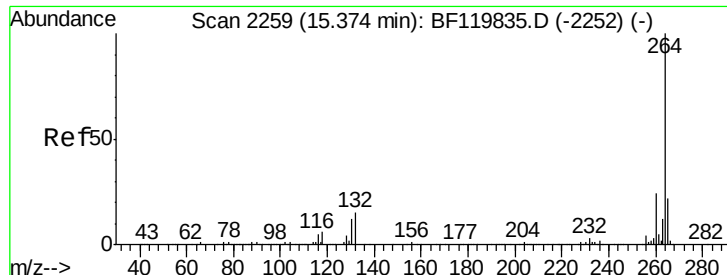
Tot Ion:184 Resp: 175027
Ion Ratio Lower Upper
184 100
185 14.4 13.2 19.8
183 11.0 9.1 13.7



#79
Terphenyl-d14
Concen: 78.222 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BF119998.D
Acq: 15 Apr 2020 17:16

Tgt Ion:244 Resp: 2668642
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 13.9 10.3 15.5





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.31 min Scan# 2248
 Delta R.T. -0.00 min
 Lab File: BF119998.D
 Acq: 15 Apr 2020 17:16

Instrument :
 BNA_F
 ClientSampleId :
 TP-28

Tot Ion:264 Resp: 477737
 Ion Ratio Lower Upper
 264 100
 260 22.1 19.3 28.9
 265 21.2 17.6 26.4

