

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041520\
 Data File : BF119995.D
 Acq On : 15 Apr 2020 15:55
 Operator : MA/SJ
 Sample : L2245-21
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-22

Quant Time: Apr 16 01:14:00 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

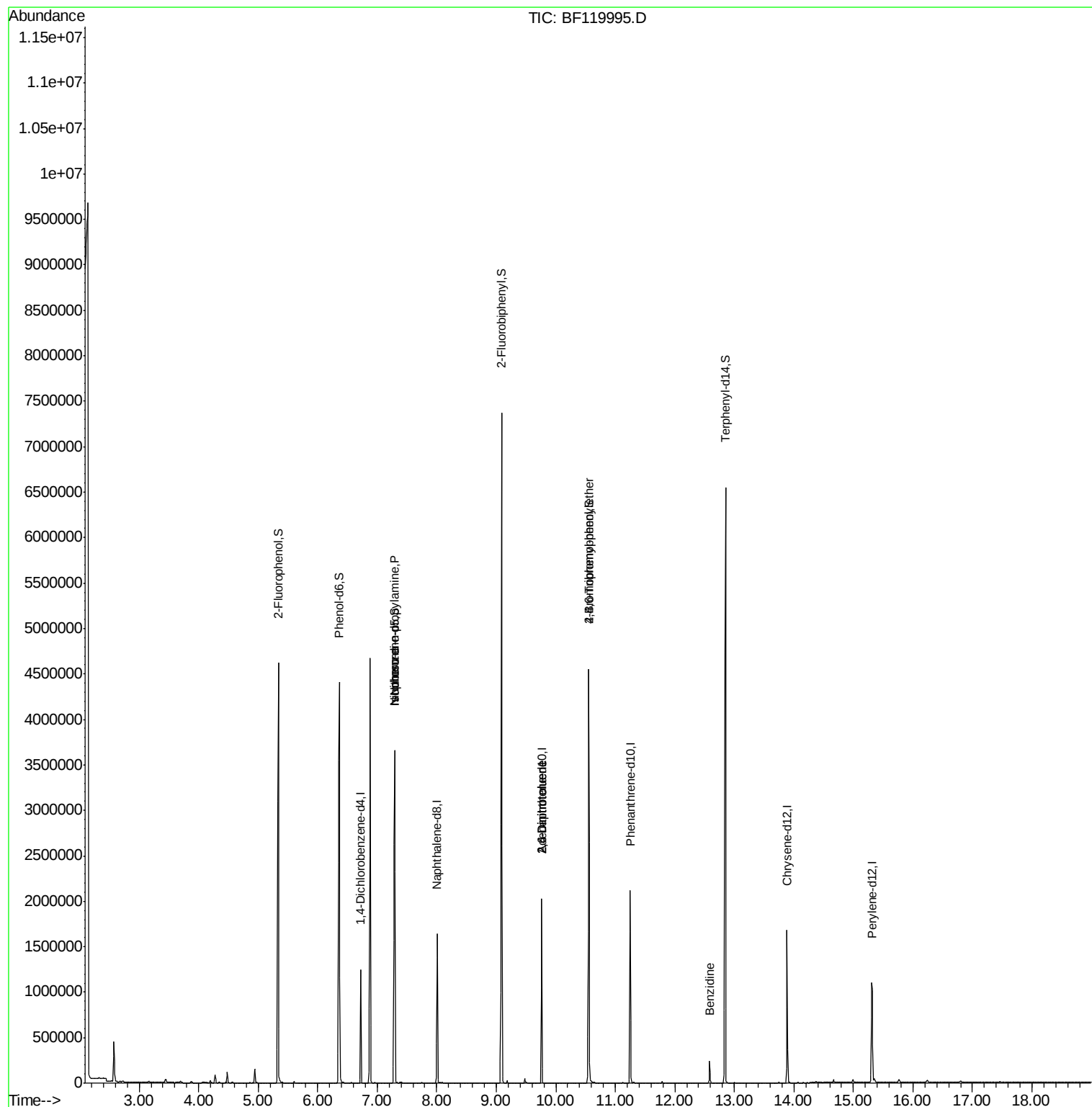
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	188235	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	709241	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	383762	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	754108	20.00	ng	0.00
76) Chrysene-d12	13.89	240	614984	20.00	ng	-0.01
87) Perylene-d12	15.31	264	503452	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1440986	132.30	ng	0.01
7) Phenol-d6	6.36	99	1667191	118.79	ng	0.00
23) Nitrobenzene-d5	7.29	82	1303116	95.05	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	584996	124.51	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	2391526	88.48	ng	0.00
79) Terphenyl-d14	12.85	244	2907705	79.56	ng	0.00
Target Compounds						
9) Benzaldehyde	6.28	77	537	Below Cal		89
19) n-Nitroso-di-n-propylamine	7.29	70	170308	18.870 ng	#	74
25) Isophorone	7.29	82	1297899	49.111 ng	#	65
51) 2,6-Dinitrotoluene	9.76	165	48049	7.392 ng	#	20
57) 2,4-Dinitrotoluene	9.76	165	48049	5.611 ng	#	23
67) 4-Bromophenyl-phenylether	10.56	248	36837	3.928 ng	#	1
77) Benzidine	12.59	184	88905	4.277 ng		95

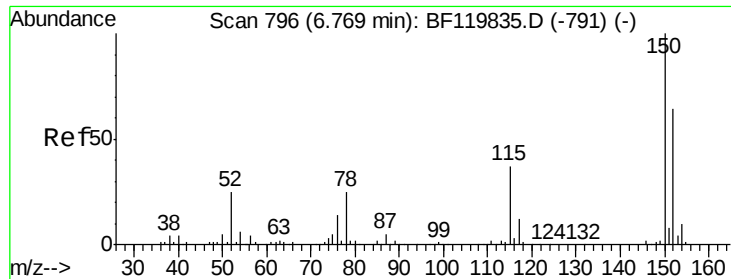
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF119995.D
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Time: Apr 16 01:14:00 2020
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 15 11:01:23 2020
Response via : Initial Calibration

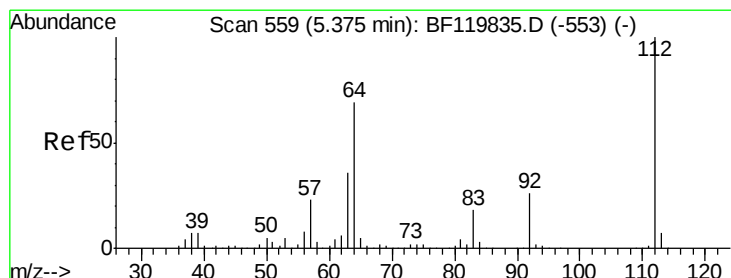
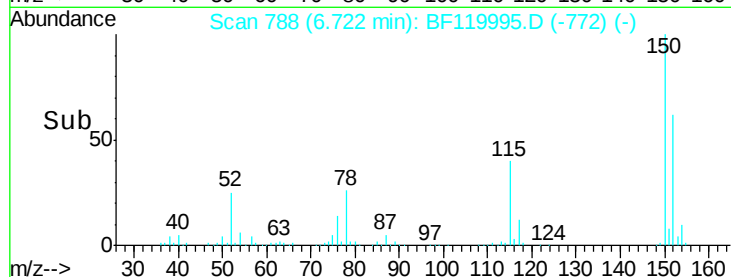
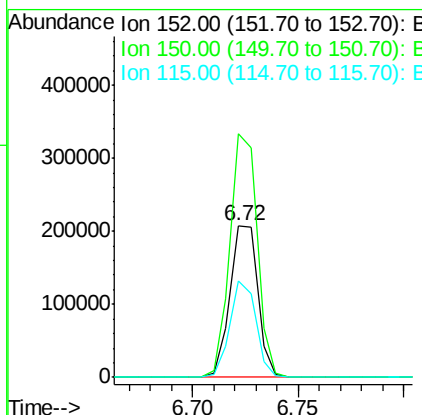
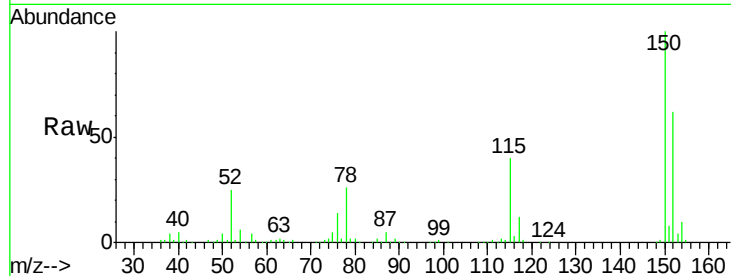




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF119995.D
 Acq: 15 Apr 2020 15:55

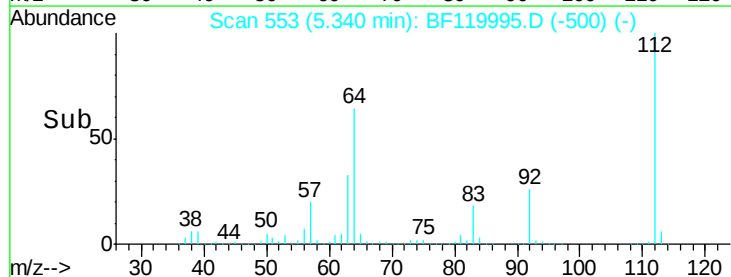
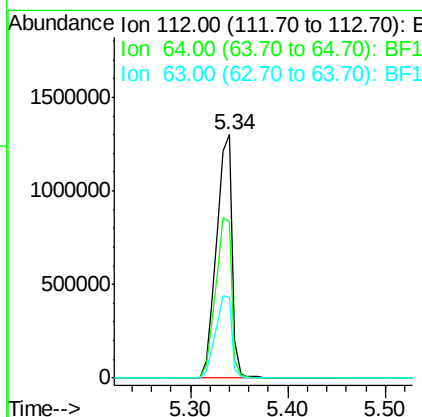
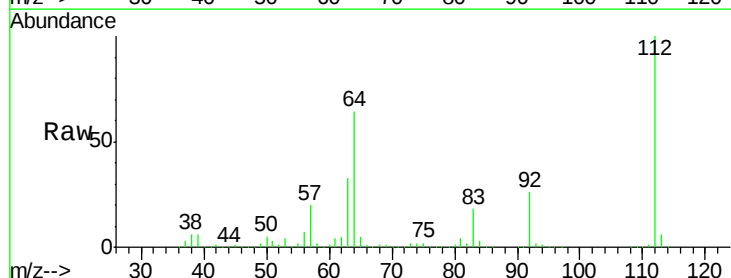
Instrument :
 BNA_F
 ClientSampled :
 TP-22

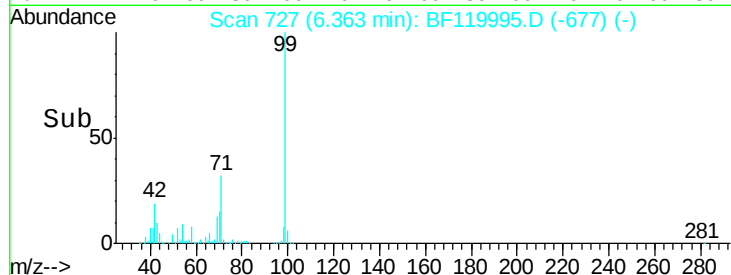
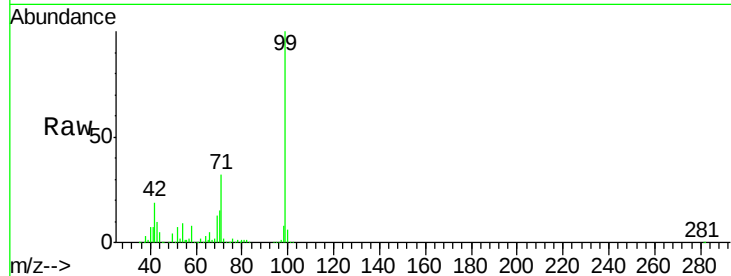
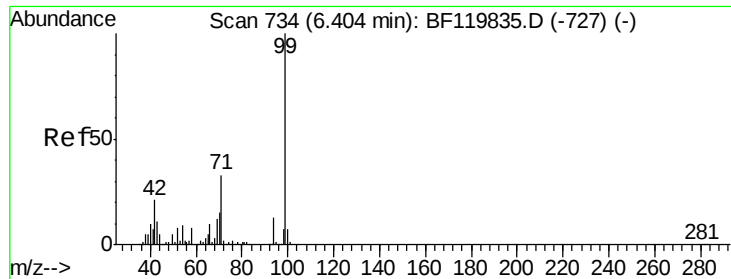
Tot Ion:152 Resp: 188235
 Ion Ratio Lower Upper
 152 100
 150 160.2 124.8 187.2
 115 63.4 46.5 69.7



#5
 2-Fluorophenol
 Concen: 132.297 ng
 RT: 5.34 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: BF119995.D
 Acq: 15 Apr 2020 15:55

Tgt Ion:112 Resp: 1440986
 Ion Ratio Lower Upper
 112 100
 64 64.5 55.5 83.3
 63 33.4 29.1 43.7





#7

Phenol-d6

Concen: 118.788 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF119995.D

Acq: 15 Apr 2020 15:55

Instrument :

BNA_F

ClientSampleId :

TP-22

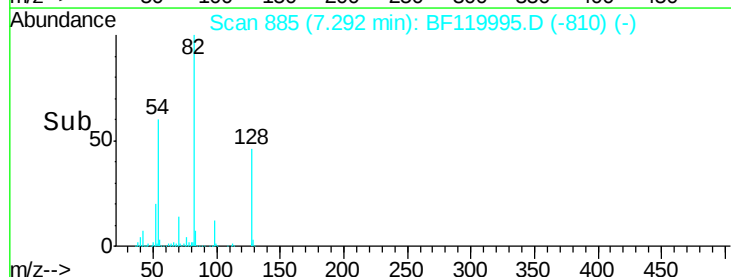
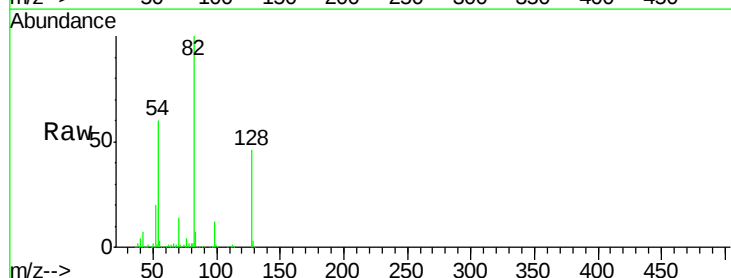
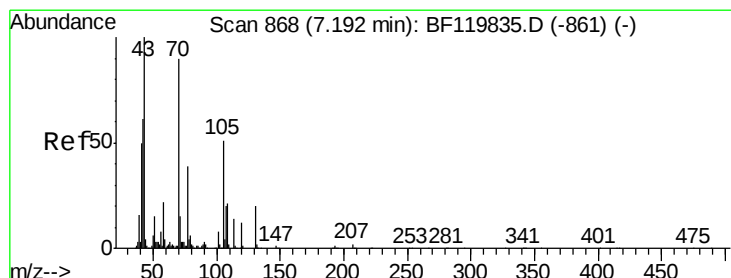
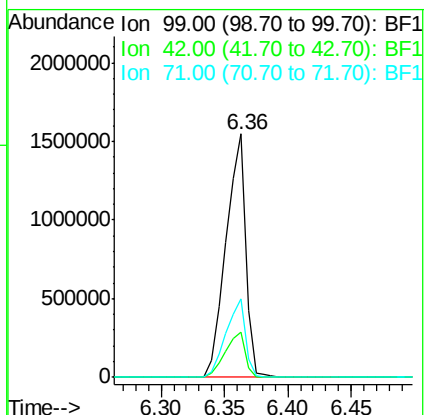
Tot Ion: 99 Resp: 1667191

Ion Ratio Lower Upper

99 100

42 18.7 16.9 25.3

71 32.5 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 18.870 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF119995.D

Acq: 15 Apr 2020 15:55

Tgt Ion: 70 Resp: 170308

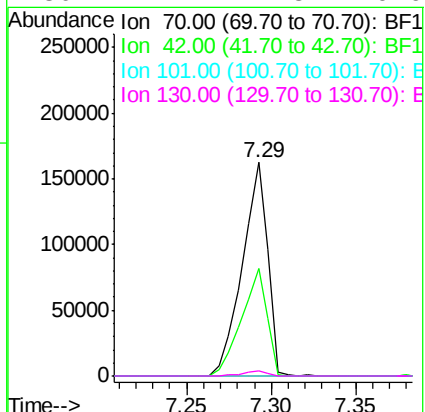
Ion Ratio Lower Upper

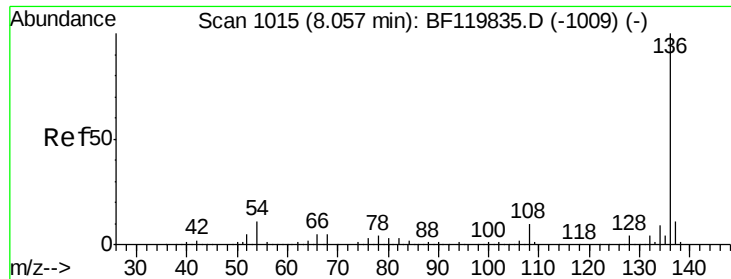
70 100

42 50.4 54.2 81.4#

101 0.0 7.4 11.2#

130 2.4 17.8 26.6#

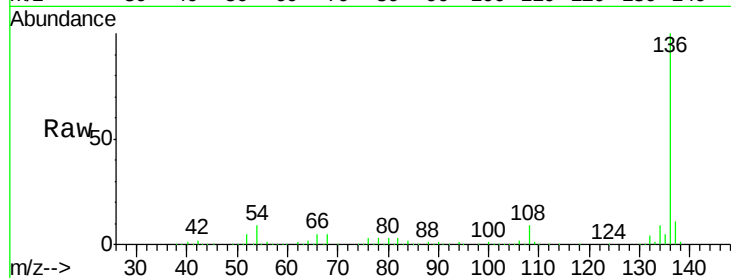




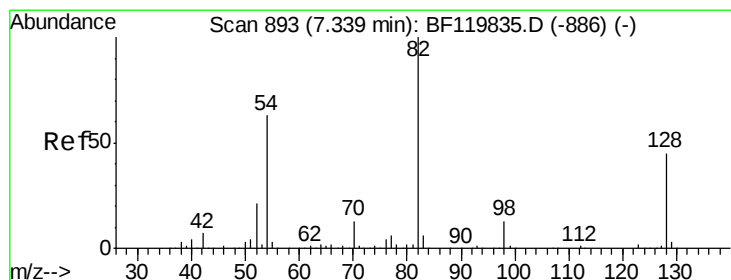
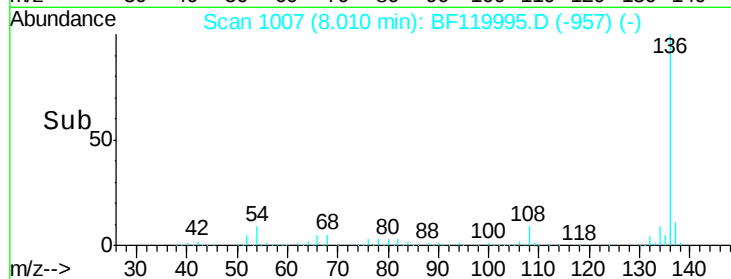
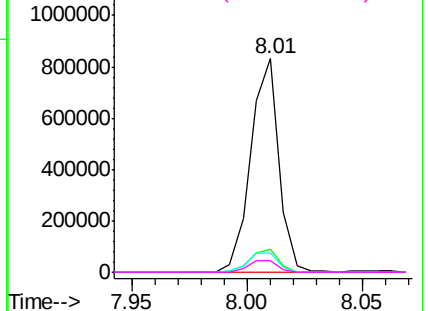
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF119995.D
Acq: 15 Apr 2020 15:55

Instrument :
BNA_F
ClientSampleId :
TP-22

Tot Ion:136	Resp:	709241
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.7 13.1
54	9.0	8.5 12.7
68	5.1	3.9 5.9

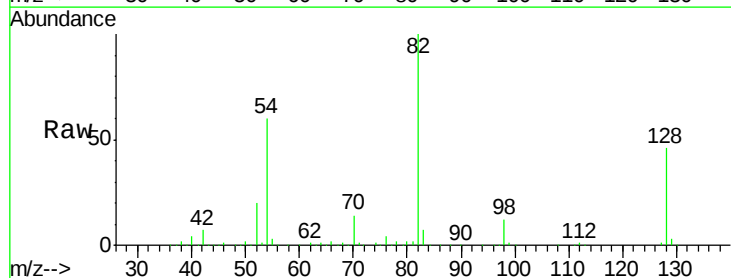


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

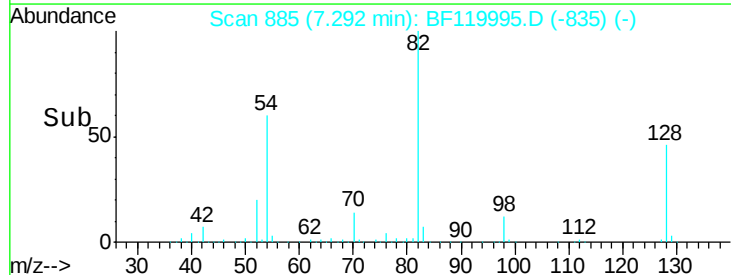
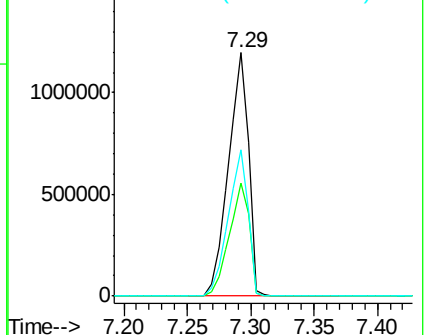


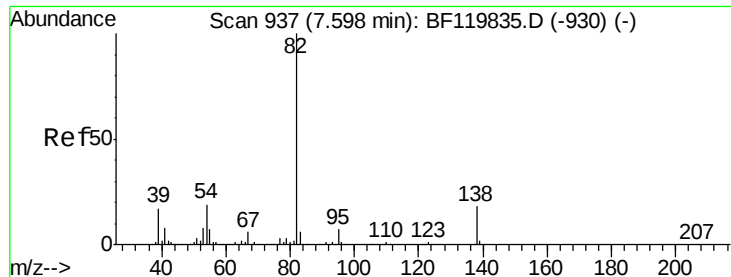
#23
Nitrobenzene-d5
Concen: 95.052 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF119995.D
Acq: 15 Apr 2020 15:55

Tgt Ion: 82	Resp:	1303116
Ion	Ratio	Lower Upper
82	100	
128	46.3	36.2 54.4
54	60.2	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: 49.111 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF119995.D

Acq: 15 Apr 2020 15:55

Instrument :

BNA_F

ClientSampleId :

TP-22

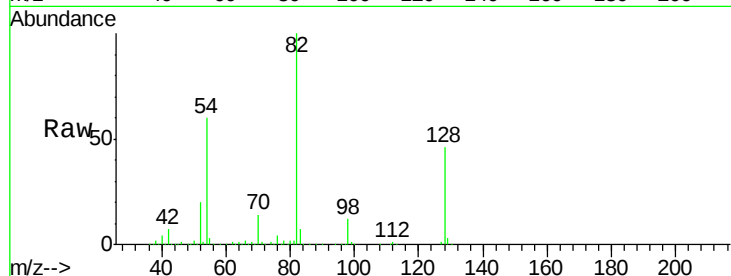
Tot Ion: 82 Resp: 1297899

Ion Ratio Lower Upper

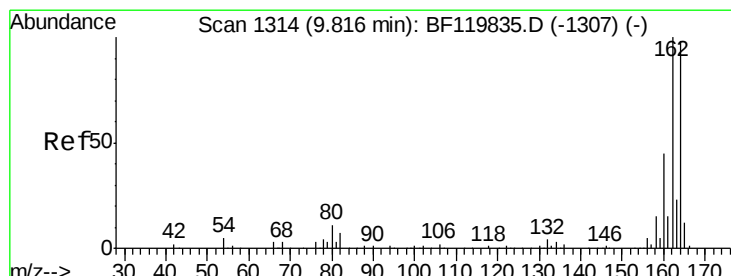
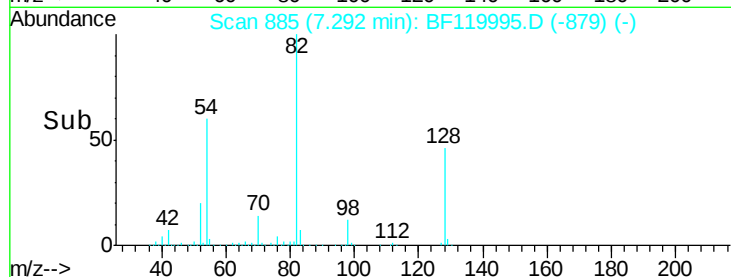
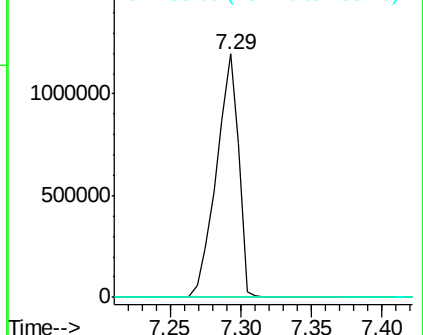
82 100

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: BF119995.D

Acq: 15 Apr 2020 15:55

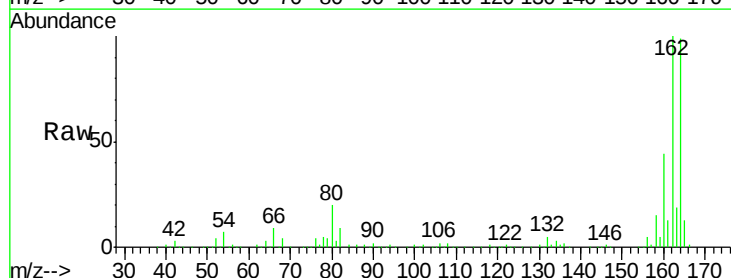
Tgt Ion:164 Resp: 383762

Ion Ratio Lower Upper

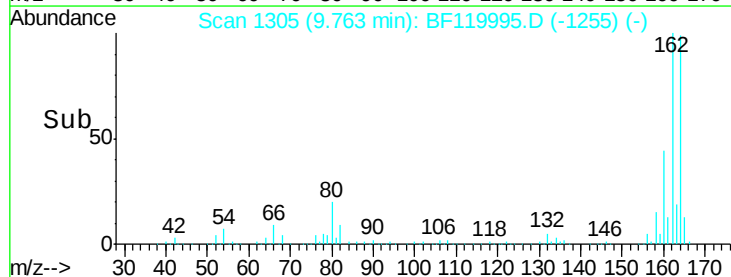
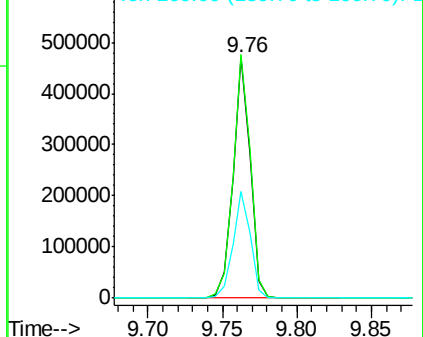
164 100

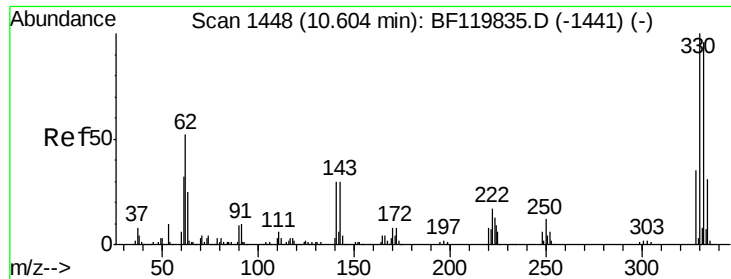
162 101.0 81.9 122.9

160 44.1 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

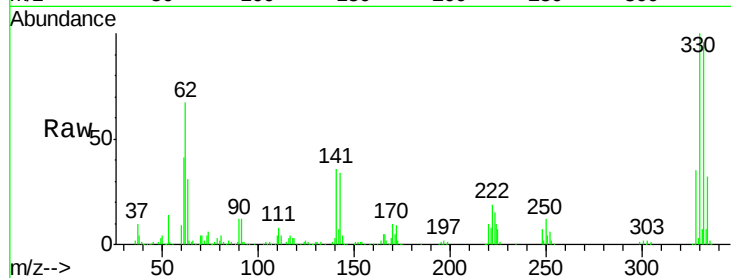




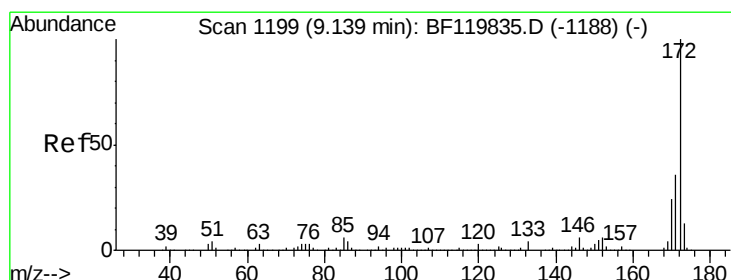
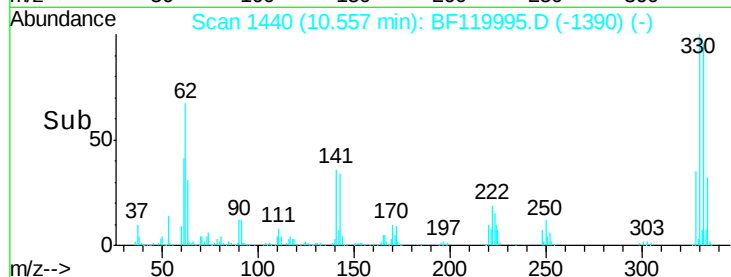
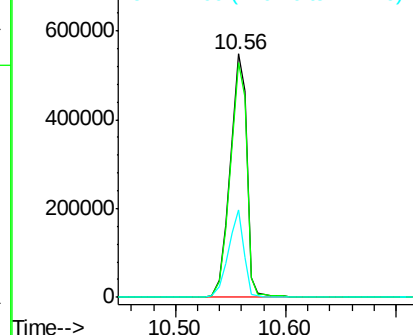
#42
 2,4,6-Tribromophenol
 Concen: 124.506 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF119995.D
 Acq: 15 Apr 2020 15:55

Instrument :
 BNA_F
 ClientSampleId :
 TP-22

Tot Ion:330 Resp: 584996
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.8 115.2
 141 33.4 25.1 37.7

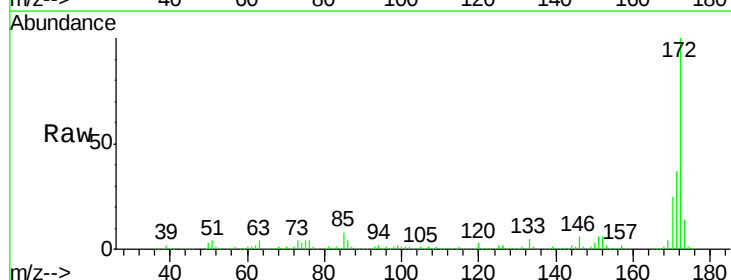


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

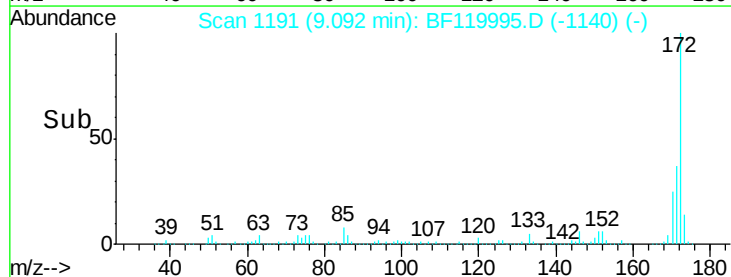
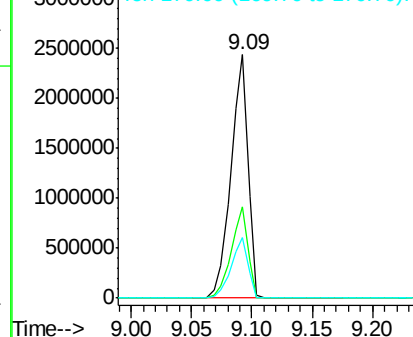


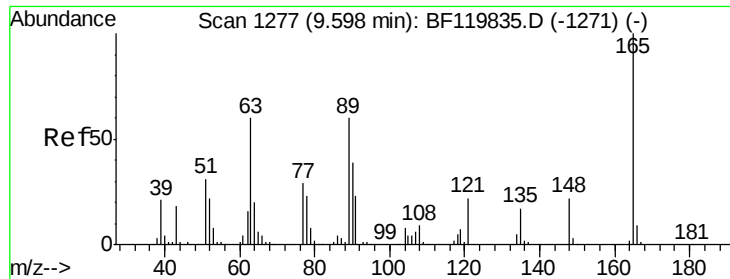
#45
 2-Fluorobiphenyl
 Concen: 88.478 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: BF119995.D
 Acq: 15 Apr 2020 15:55

Tgt Ion:172 Resp: 2391526
 Ion Ratio Lower Upper
 172 100
 171 37.3 28.9 43.3
 170 25.0 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

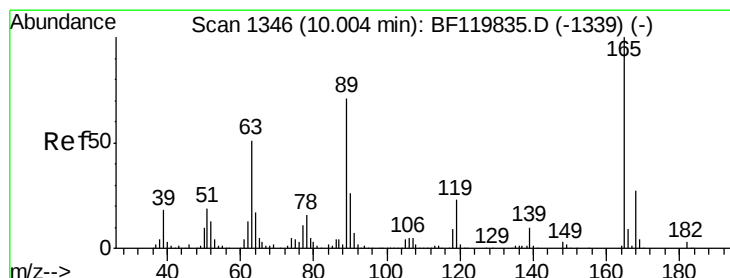
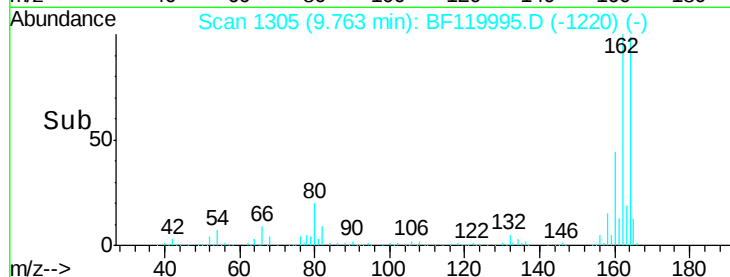
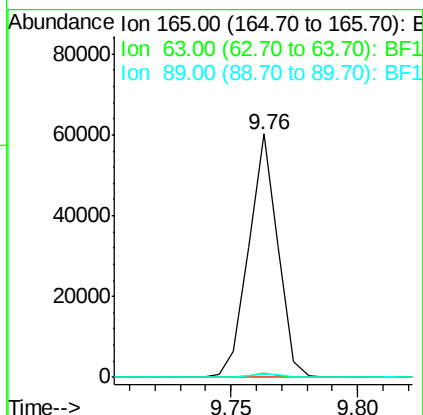
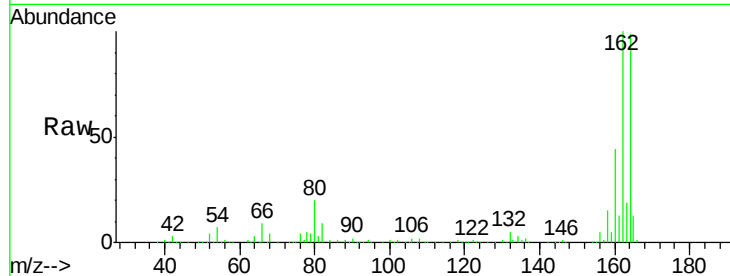




#51
 2,6-Dinitrotoluene
 Concen: 7.392 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF119995.D
 Acq: 15 Apr 2020 15:55

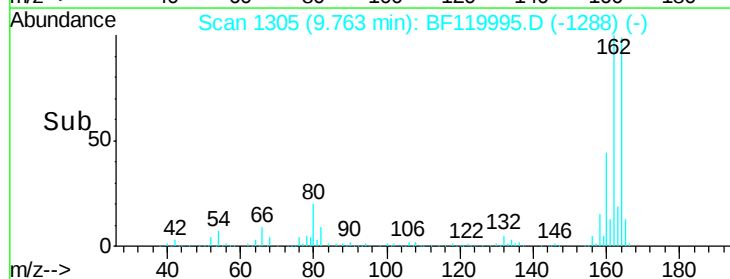
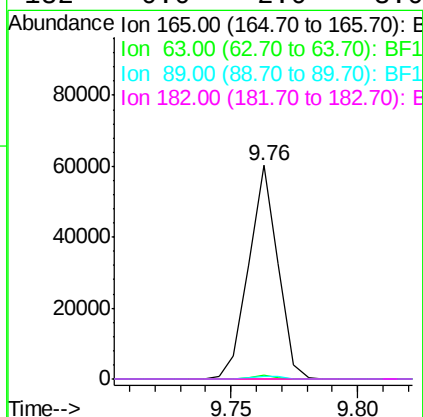
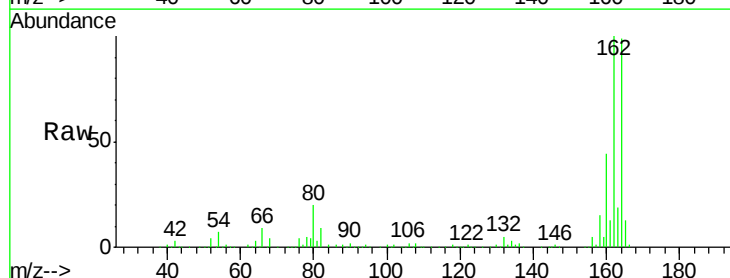
Instrument :
 BNA_F
 ClientSampleId :
 TP-22

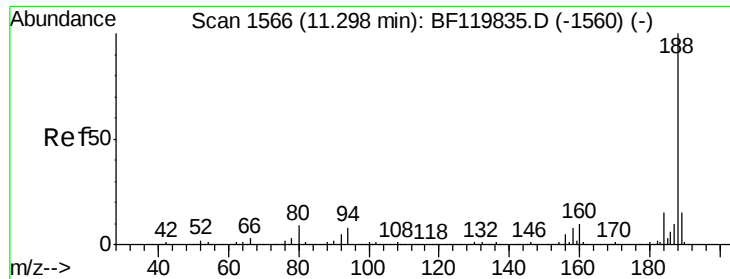
Tot Ion:165	Resp:	48049
Ion Ratio	Lower	Upper
165	100	
63	1.5	55.6 83.4#
89	1.4	47.9 71.9#



#57
 2,4-Dinitrotoluene
 Concen: 5.611 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.20 min
 Lab File: BF119995.D
 Acq: 15 Apr 2020 15:55

Tgt Ion:165	Resp:	48049
Ion Ratio	Lower	Upper
165	100	
63	1.5	40.8 61.2#
89	1.4	56.9 85.3#
182	0.0	2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF119995.D

Acq: 15 Apr 2020 15:55

Instrument :

BNA_F

ClientSampleId :

TP-22

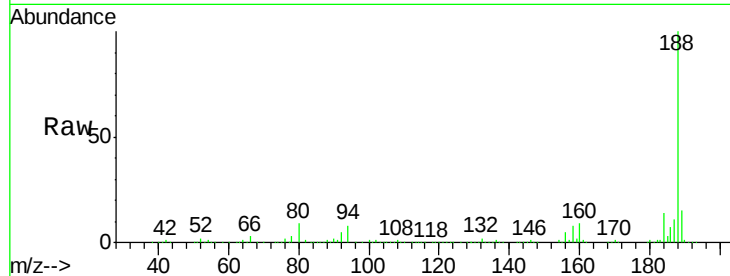
Tot Ion:188 Resp: 754108

Ion Ratio Lower Upper

188 100

94 8.5 6.7 10.1

80 9.1 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

1200000

1000000

800000

600000

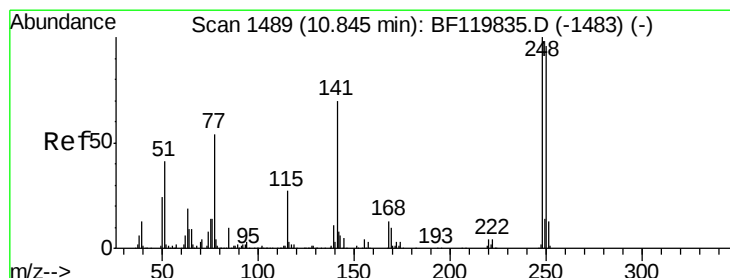
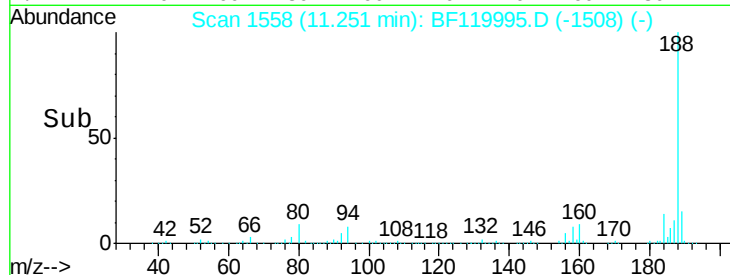
400000

200000

0

11.20 11.25 11.30

Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.928 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.25 min

Lab File: BF119995.D

Acq: 15 Apr 2020 15:55

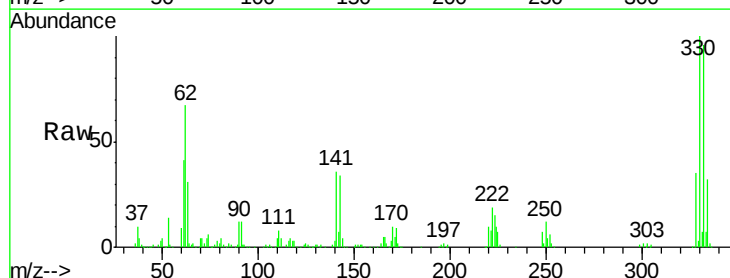
Tgt Ion:248 Resp: 36837

Ion Ratio Lower Upper

248 100

250 173.4 76.6 114.8#

141 521.9 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

250000

200000

150000

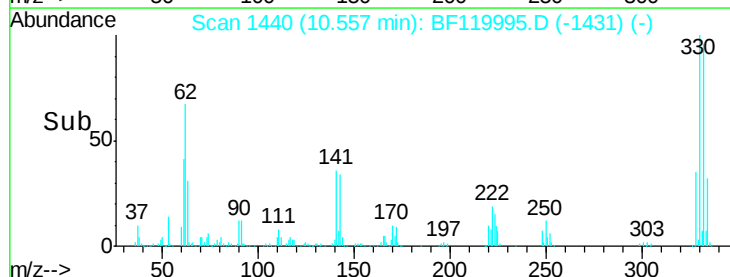
100000

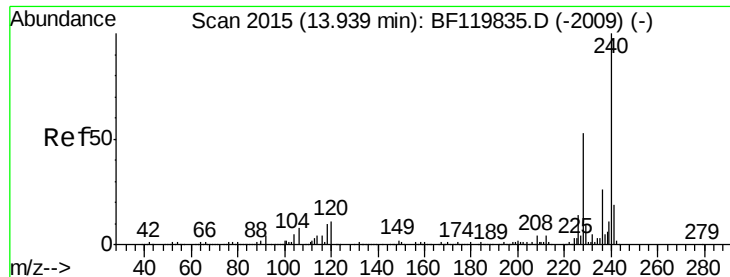
50000

0

10.50 10.55 10.60

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF119995.D

Acq: 15 Apr 2020 15:55

Instrument :

BNA_F

ClientSampleId :

TP-22

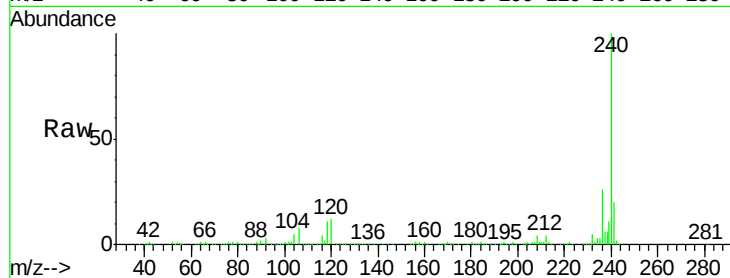
Tot Ion:240 Resp: 614984

Ion Ratio Lower Upper

240 100

120 11.9 9.0 13.6

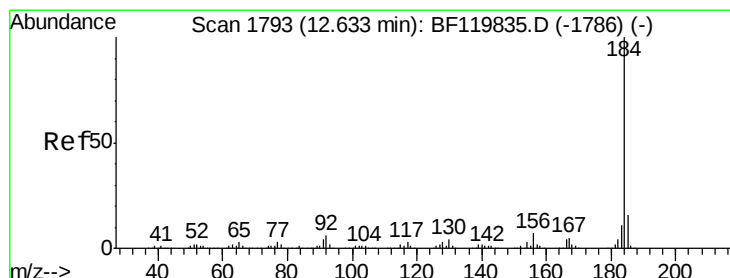
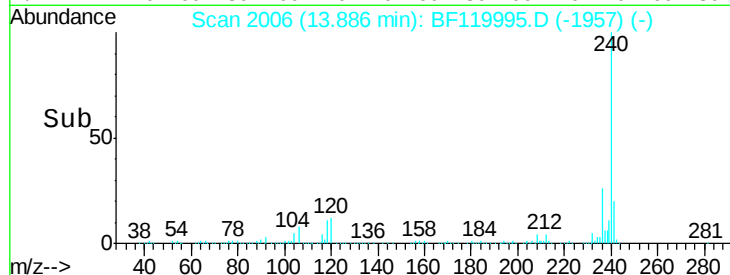
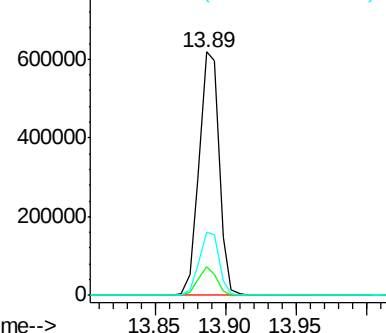
236 26.0 20.7 31.1



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: 4.277 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF119995.D

Acq: 15 Apr 2020 15:55

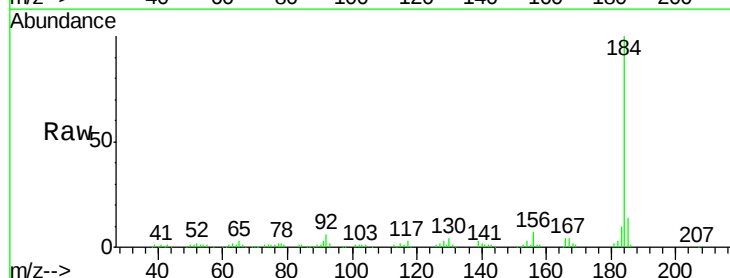
Tgt Ion:184 Resp: 88905

Ion Ratio Lower Upper

184 100

185 14.3 13.2 19.8

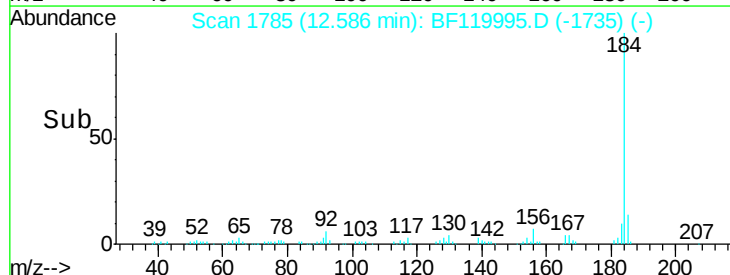
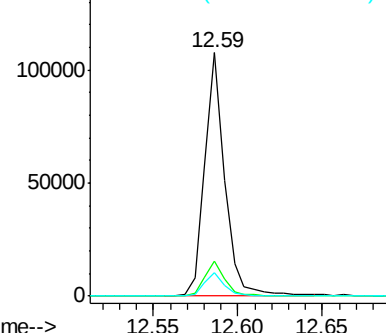
183 9.8 9.1 13.7

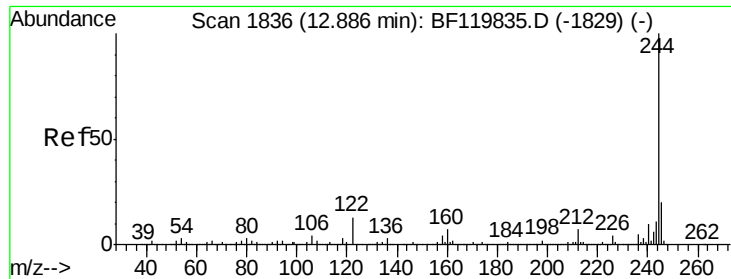


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

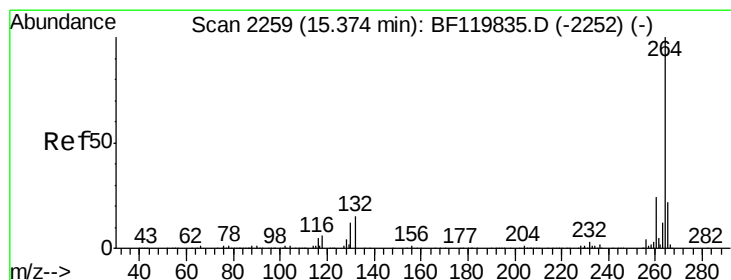
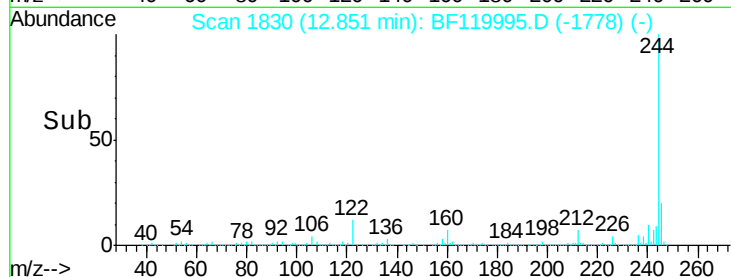
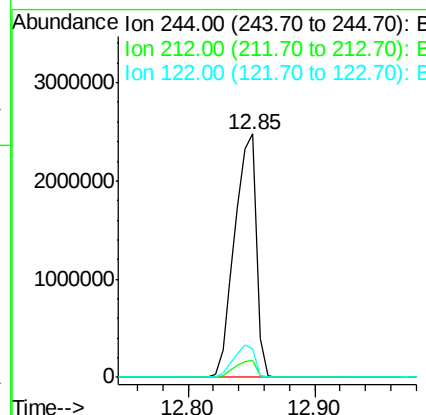
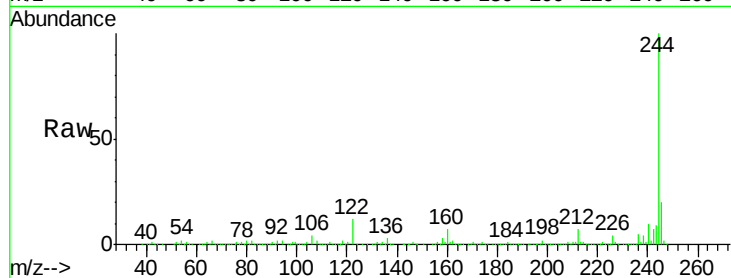




#79
 Terphenyl-d14
 Concen: 79.558 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. 0.01 min
 Lab File: BF119995.D
 Acq: 15 Apr 2020 15:55

Instrument :
 BNA_F
 ClientSampleId :
 TP-22

Tot Ion:244 Resp: 2907705
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.5 10.3 15.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.31 min Scan# 2248
 Delta R.T. -0.00 min
 Lab File: BF119995.D
 Acq: 15 Apr 2020 15:55

Tgt Ion:264 Resp: 503452
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.3 28.9
 265 21.3 17.6 26.4

