

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041520\
 Data File : BF119999.D
 Acq On : 15 Apr 2020 17:43
 Operator : MA/SJ
 Sample : L2245-37
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-27

Quant Time: Apr 16 01:14:53 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

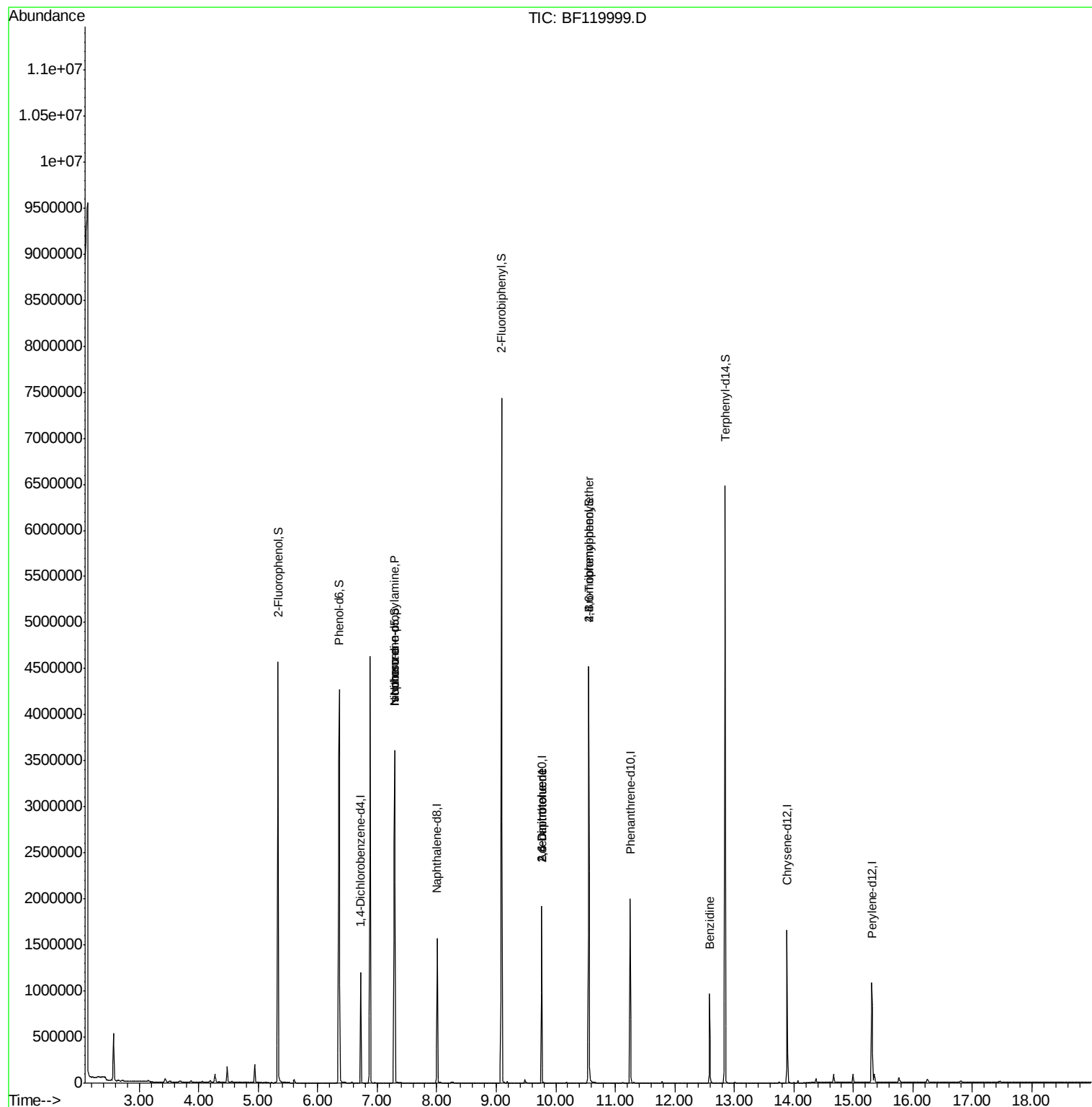
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	178230	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	674289	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	363289	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	734692	20.00	ng	0.00
76) Chrysene-d12	13.89	240	574342	20.00	ng	-0.01
87) Perylene-d12	15.31	264	473001	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1421790	137.86	ng	0.00
7) Phenol-d6	6.36	99	1630090	122.66	ng	0.00
23) Nitrobenzene-d5	7.29	82	1260523	96.71	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	558997	125.68	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	2358047	92.16	ng	0.00
79) Terphenyl-d14	12.85	244	2841044	83.23	ng	0.00
Target Compounds						
9) Benzaldehyde	6.36	77	2273	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.29	70	164317	19.229 ng	#	74
25) Isophorone	7.29	82	1256017	49.990 ng	#	65
51) 2,6-Dinitrotoluene	9.76	165	46117	7.495 ng	#	19
57) 2,4-Dinitrotoluene	9.76	165	46117	5.688 ng	#	22
67) 4-Bromophenyl-phenylether	10.56	248	35032	3.834 ng	#	1
77) Benizidine	12.59	184	325973	16.790 ng		96

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

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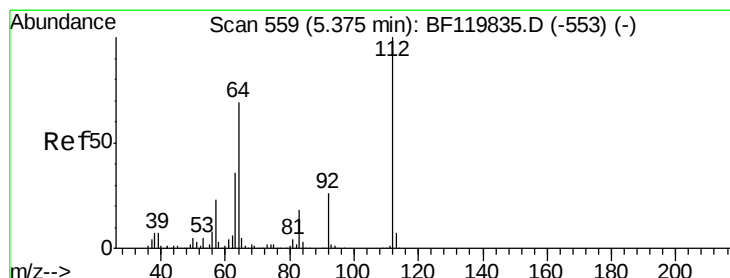
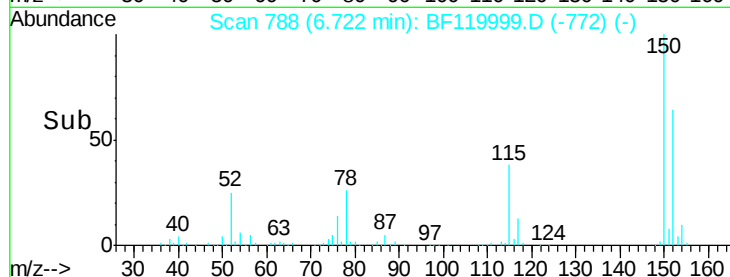
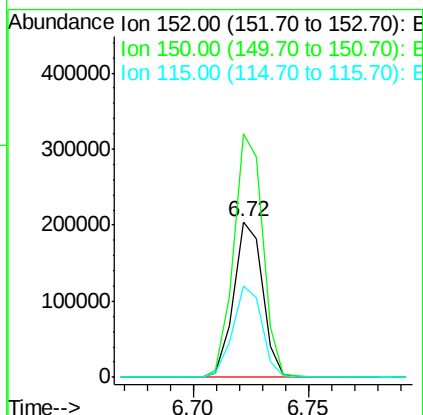
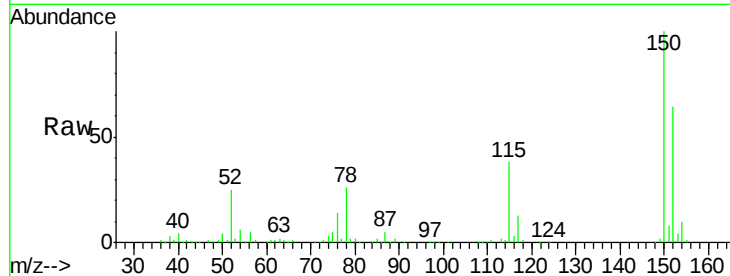


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF119999.D
Acq: 15 Apr 2020 17:43

Instrument :
BNA_F
ClientSampleId :
TP-27

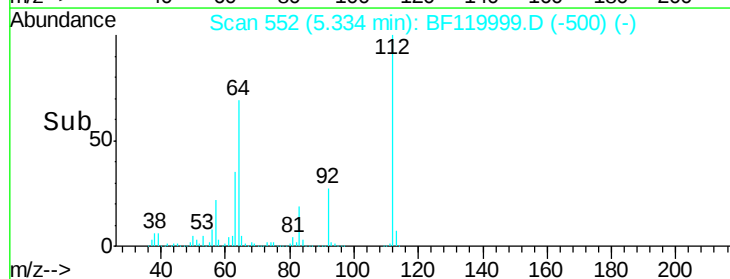
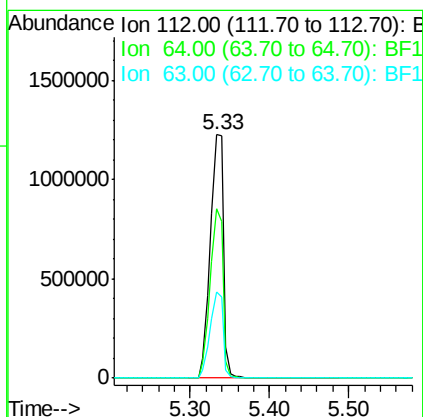
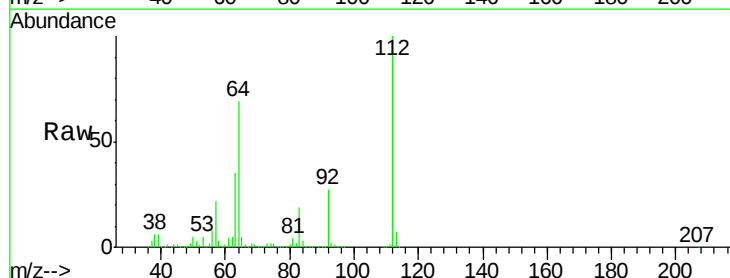
Tot Ion:152 Resp: 178230
Ion Ratio Lower Upper
152 100
150 156.5 124.8 187.2
115 59.0 46.5 69.7

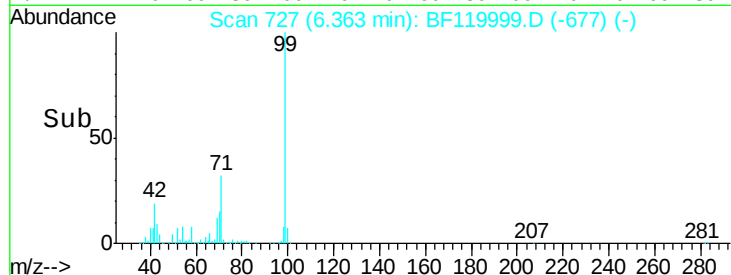
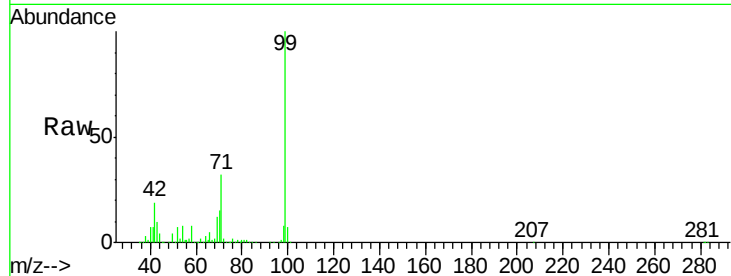


#5

2-Fluorophenol
Concen: 137.862 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF119999.D
Acq: 15 Apr 2020 17:43

Tgt Ion:112 Resp: 1421790
Ion Ratio Lower Upper
112 100
64 69.3 55.5 83.3
63 35.4 29.1 43.7





#7

Phenol-d6

Concen: 122.665 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF119999.D

Acq: 15 Apr 2020 17:43

Instrument :

BNA_F

ClientSampleId :

TP-27

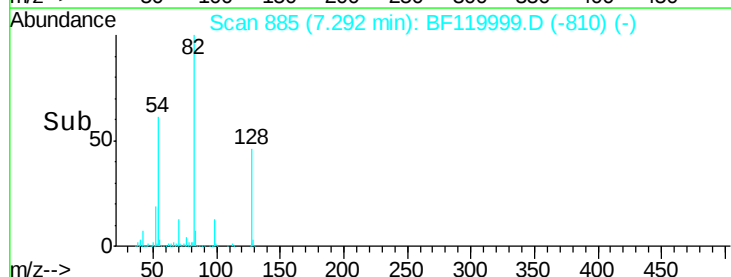
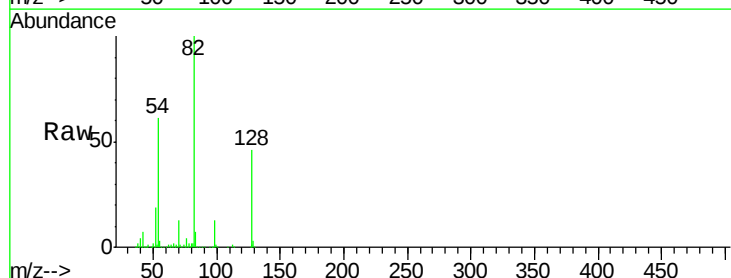
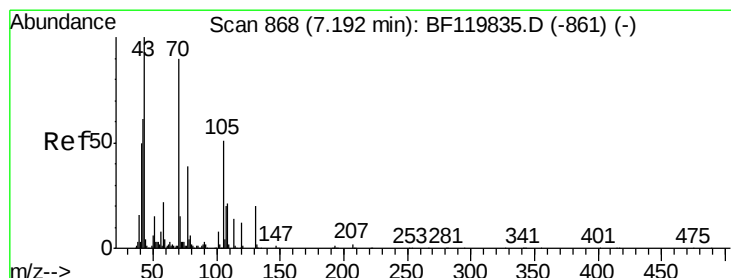
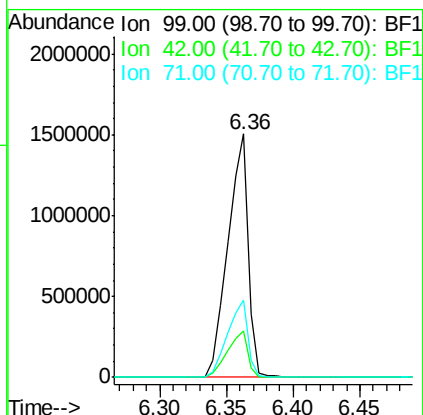
Tot Ion: 99 Resp: 1630090

Ion Ratio Lower Upper

99 100

42 18.9 16.9 25.3

71 31.7 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 19.229 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF119999.D

Acq: 15 Apr 2020 17:43

Tgt Ion: 70 Resp: 164317

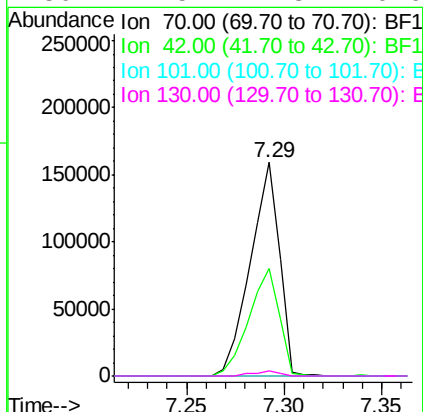
Ion Ratio Lower Upper

70 100

42 50.5 54.2 81.4#

101 0.0 7.4 11.2#

130 2.5 17.8 26.6#

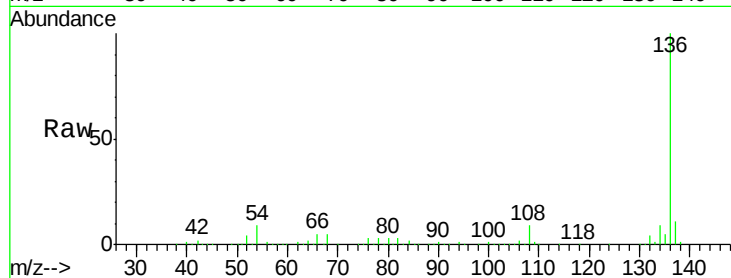




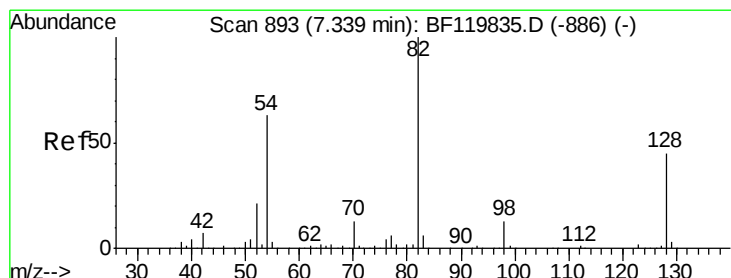
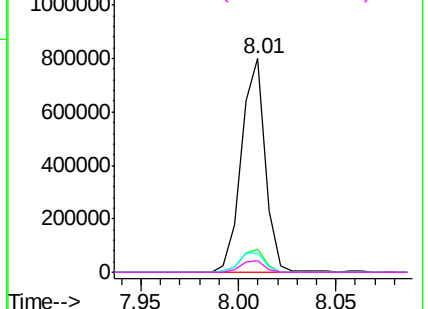
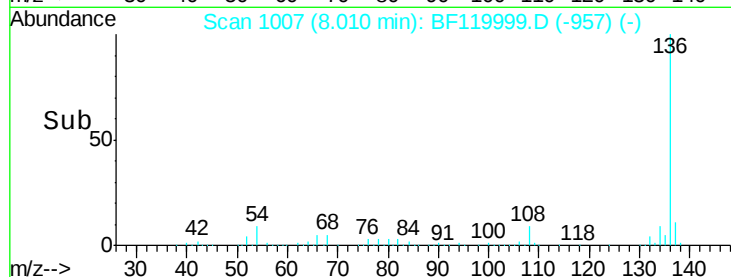
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF119999.D
Acq: 15 Apr 2020 17:43

Instrument :
BNA_F
ClientSampleId :
TP-27

Tot Ion:136	Resp:	674289
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.7 13.1
54	9.2	8.5 12.7
68	5.2	3.9 5.9

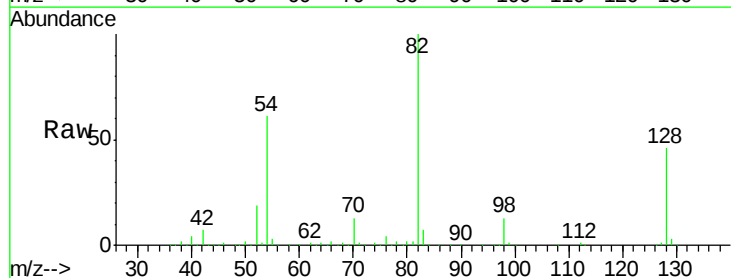


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

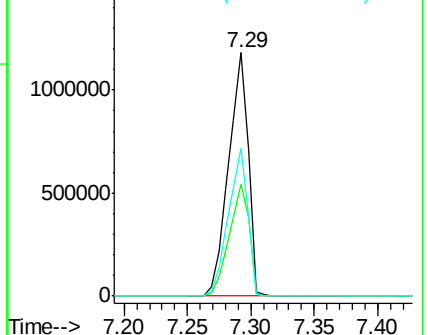
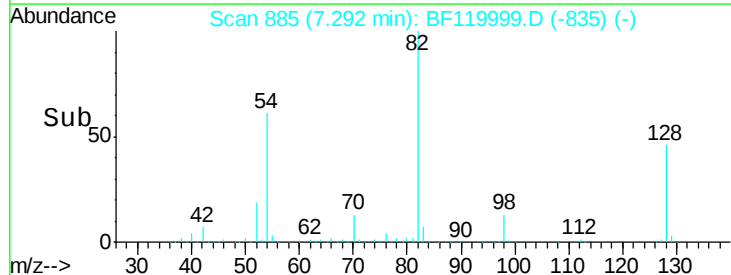


#23
Nitrobenzene-d5
Concen: 96.711 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF119999.D
Acq: 15 Apr 2020 17:43

Tgt Ion: 82	Resp:	1260523
Ion	Ratio	Lower Upper
82	100	
128	46.0	36.2 54.4
54	60.7	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: 49.990 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF119999.D

Acq: 15 Apr 2020 17:43

Instrument :

BNA_F

ClientSampleId :

TP-27

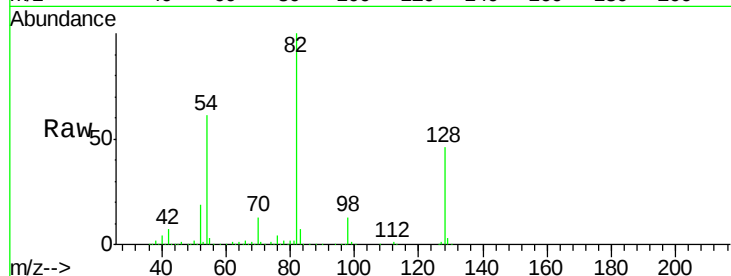
Tot Ion: 82 Resp: 1256017

Ion Ratio Lower Upper

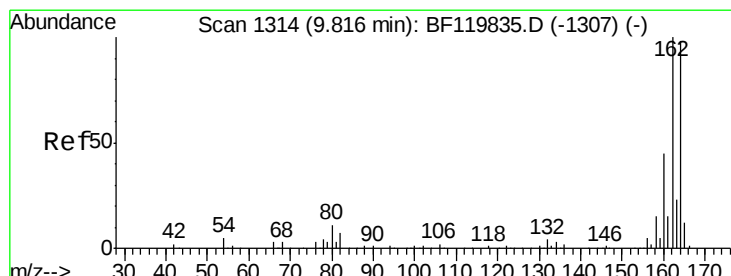
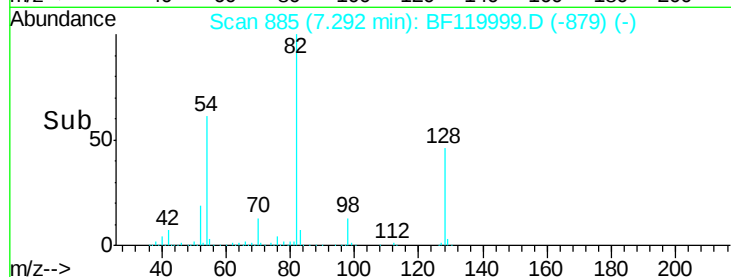
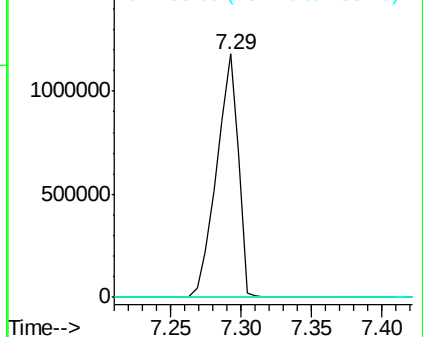
82 100

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: BF119999.D

Acq: 15 Apr 2020 17:43

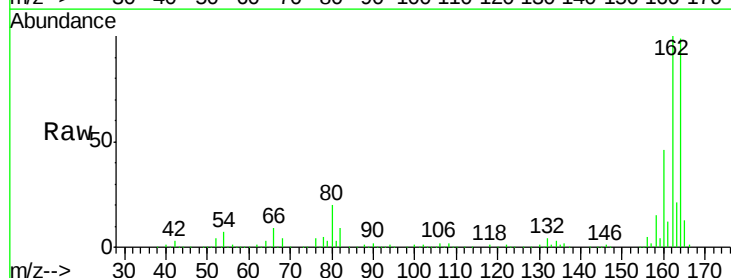
Tgt Ion:164 Resp: 363289

Ion Ratio Lower Upper

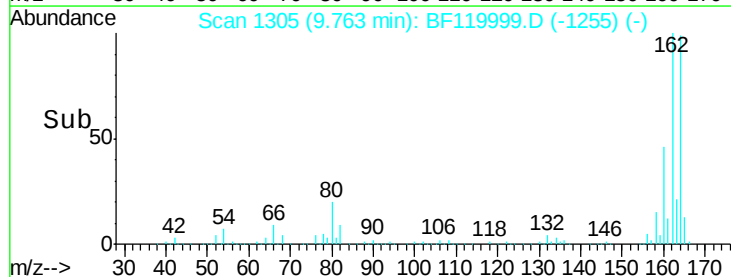
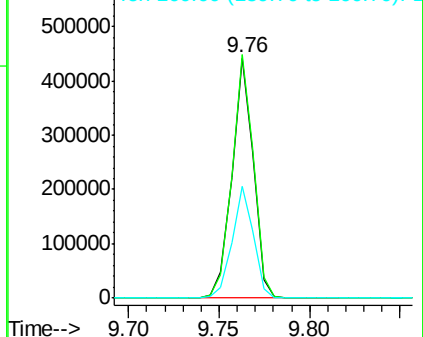
164 100

162 101.5 81.9 122.9

160 46.3 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

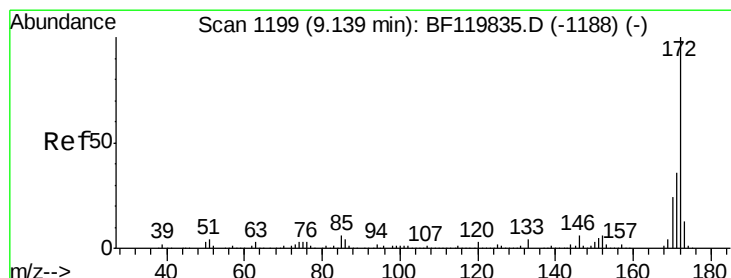
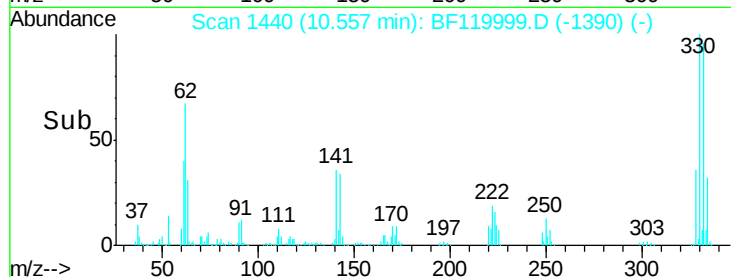
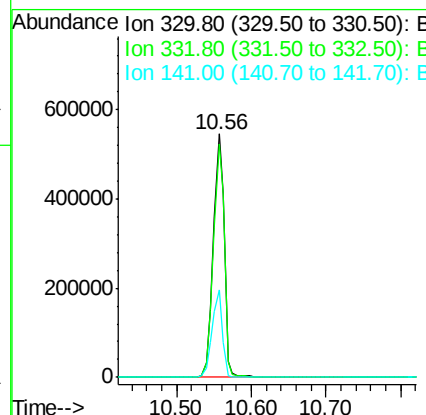
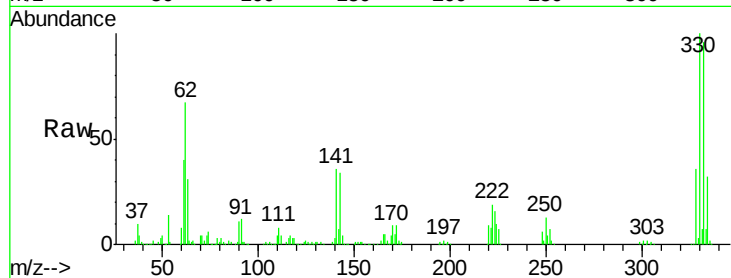




#42
 2,4,6-Tribromophenol
 Concen: 125.677 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF119999.D
 Acq: 15 Apr 2020 17:43

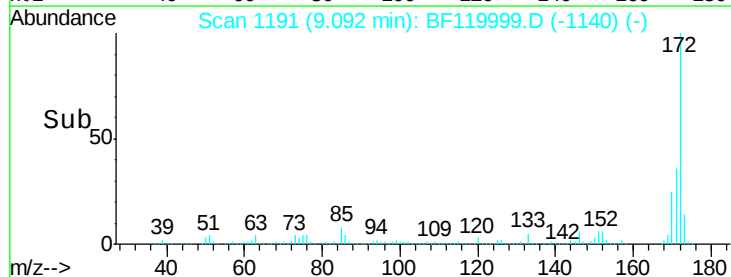
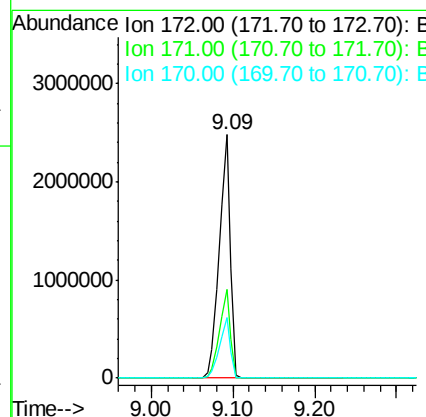
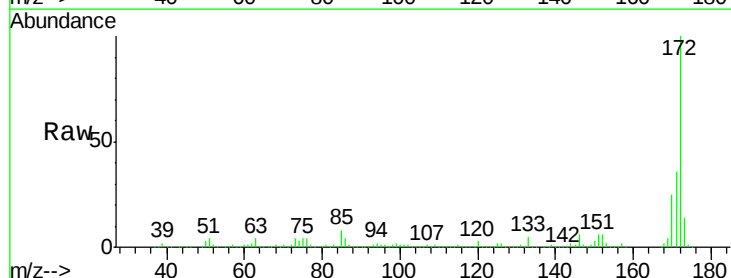
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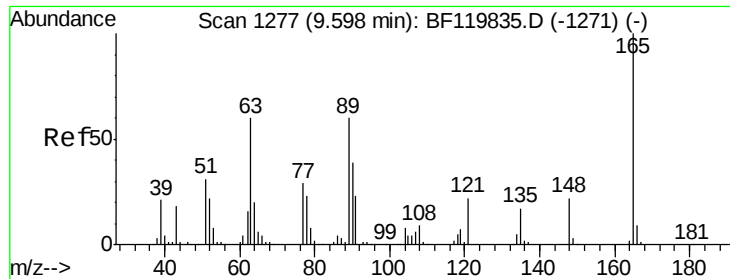
Tot Ion:330 Resp: 558997
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.8 115.2
 141 33.8 25.1 37.7



#45
 2-Fluorobiphenyl
 Concen: 92.156 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: BF119999.D
 Acq: 15 Apr 2020 17:43

Tgt Ion:172 Resp: 2358047
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.9 43.3
 170 24.9 19.4 29.2

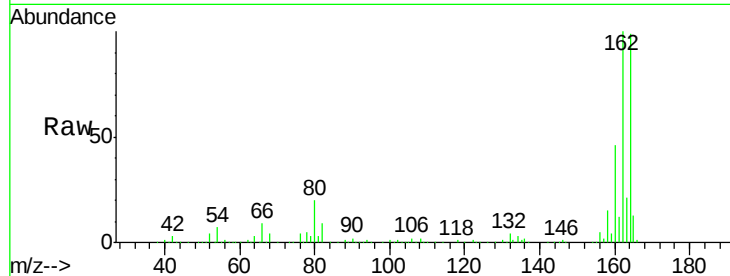




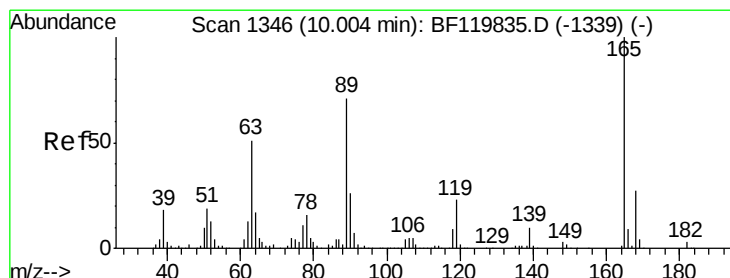
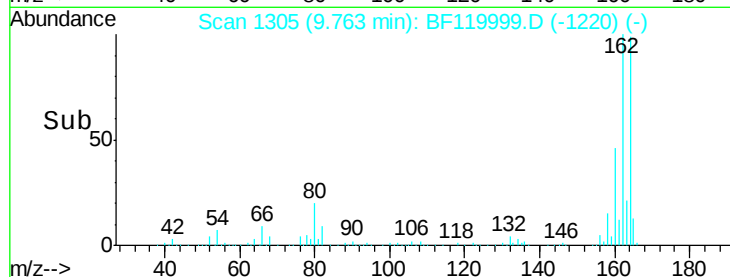
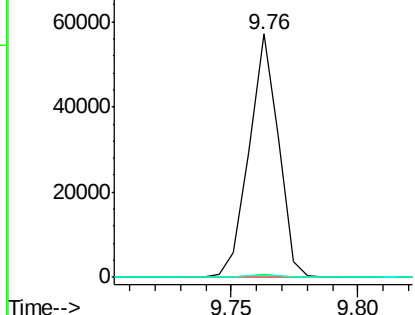
#51
 2,6-Dinitrotoluene
 Concen: 7.495 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF119999.D
 Acq: 15 Apr 2020 17:43

Instrument :
 BNA_F
 ClientSampleId :
 TP-27

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	55.6	83.4#
89	0.9	47.9	71.9#



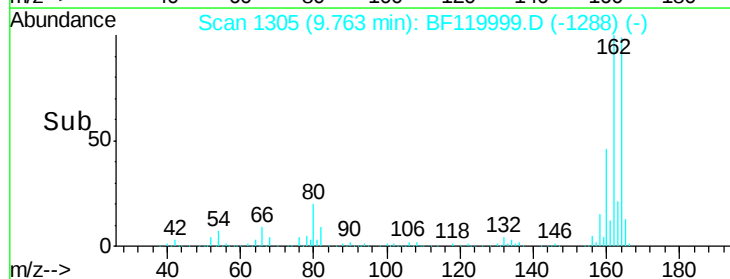
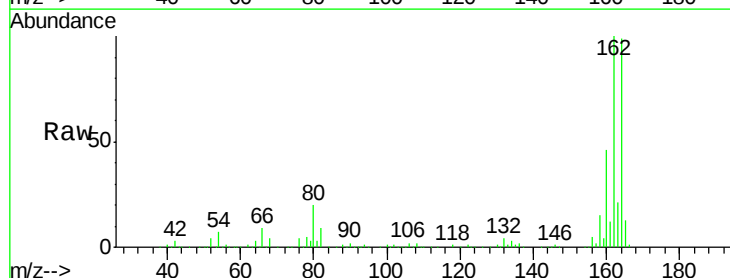
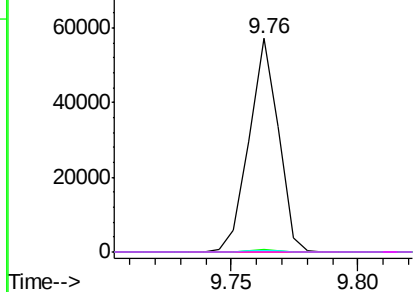
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

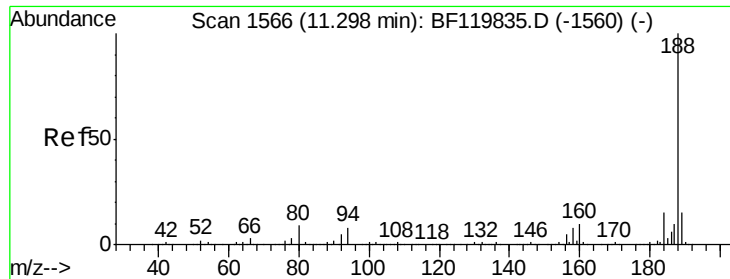


#57
 2,4-Dinitrotoluene
 Concen: 5.688 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.20 min
 Lab File: BF119999.D
 Acq: 15 Apr 2020 17:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.8	61.2#
89	0.9	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

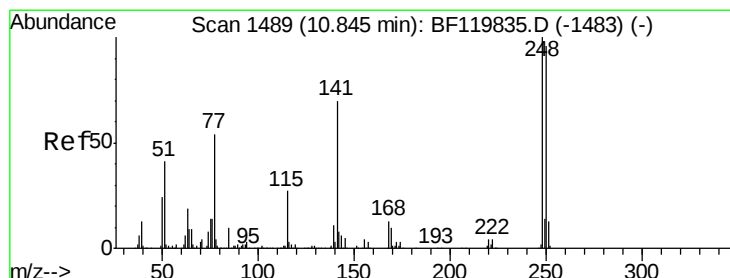
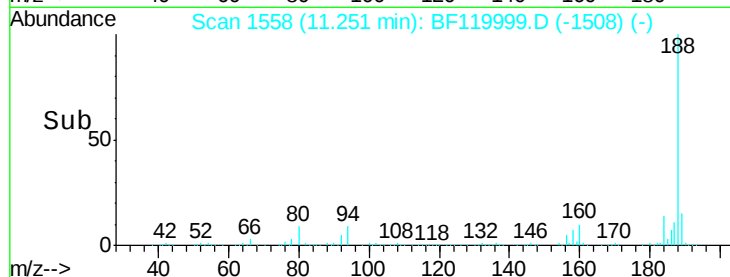
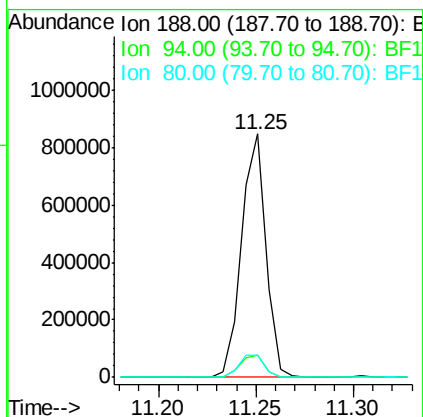
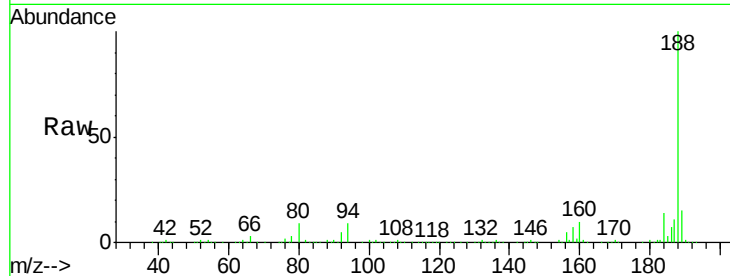




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF119999.D
Acq: 15 Apr 2020 17:43

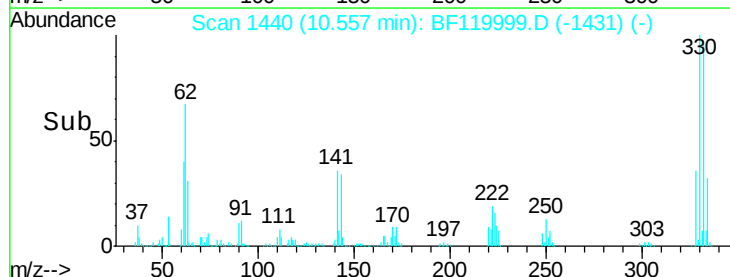
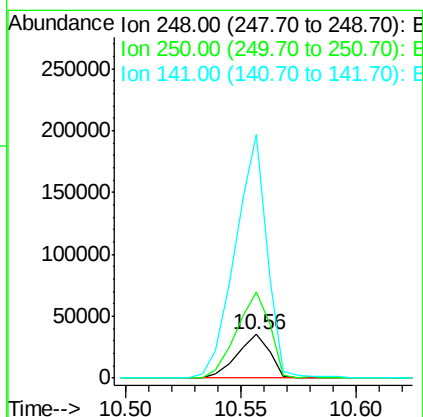
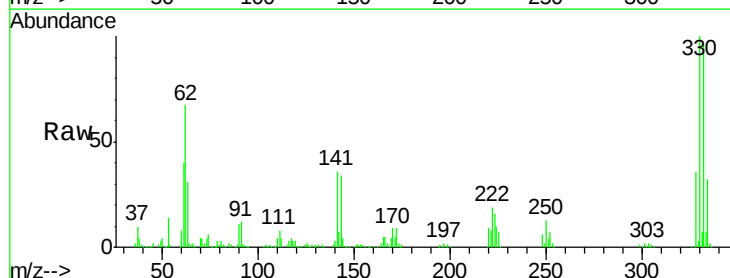
Instrument :
BNA_F
ClientSampleId :
TP-27

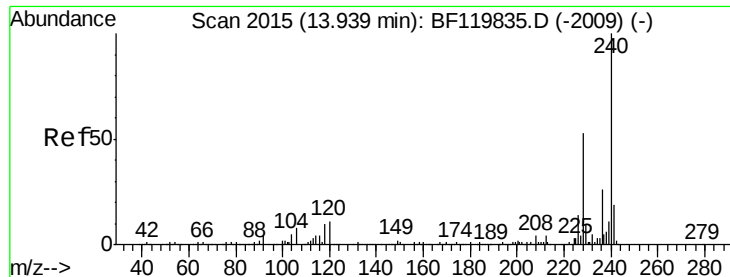
Tot Ion:188 Resp: 734692
Ion Ratio Lower Upper
188 100
94 8.9 6.7 10.1
80 9.0 7.4 11.2



#67
4-Bromophenyl-phenylether
Concen: 3.834 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.25 min
Lab File: BF119999.D
Acq: 15 Apr 2020 17:43

Tgt Ion:248 Resp: 35032
Ion Ratio Lower Upper
248 100
250 197.5 76.6 114.8#
141 558.7 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: BF119999.D

Acq: 15 Apr 2020 17:43

Instrument :

BNA_F

ClientSampleId :

TP-27

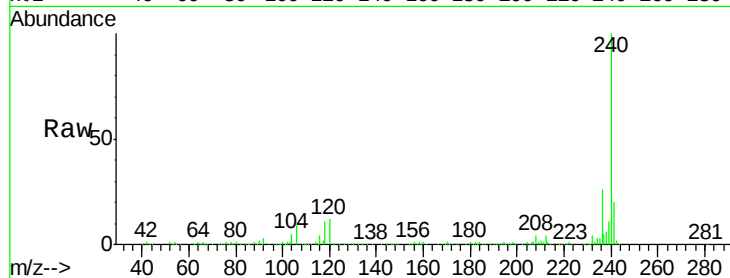
Tot Ion:240 Resp: 574342

Ion Ratio Lower Upper

240 100

120 12.3 9.0 13.6

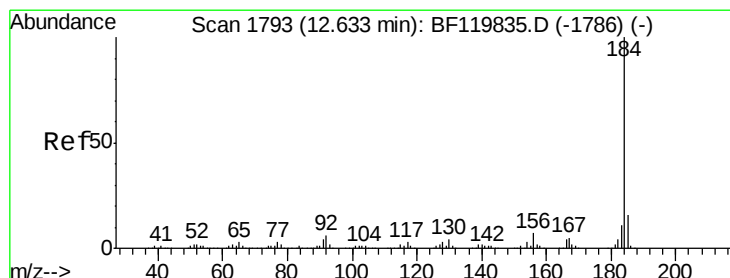
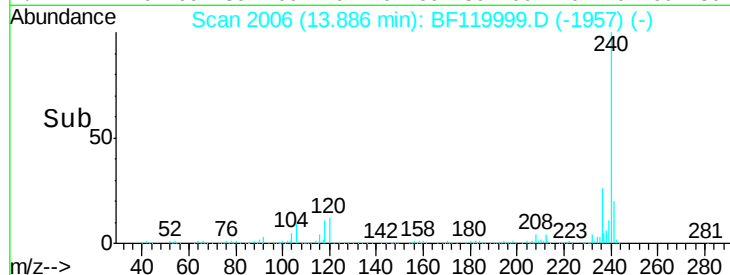
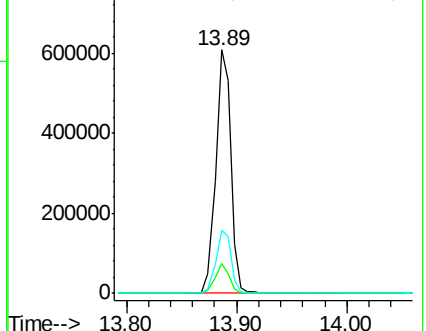
236 26.1 20.7 31.1



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: 16.790 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF119999.D

Acq: 15 Apr 2020 17:43

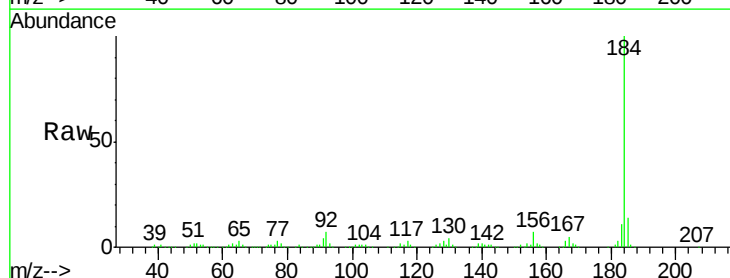
Tgt Ion:184 Resp: 325973

Ion Ratio Lower Upper

184 100

185 14.2 13.2 19.8

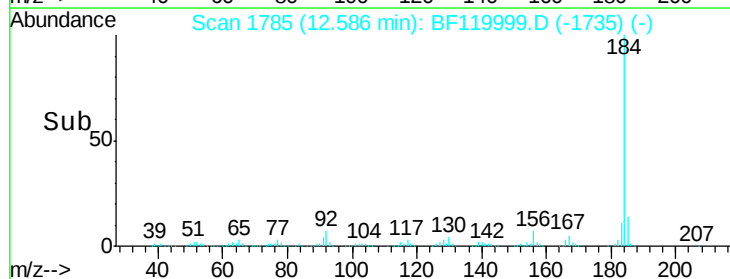
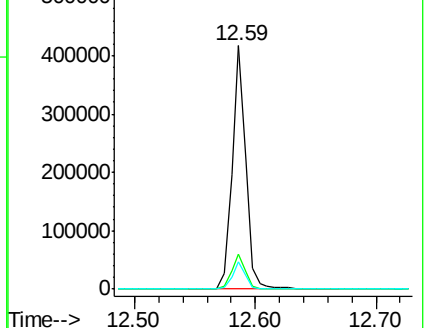
183 11.1 9.1 13.7

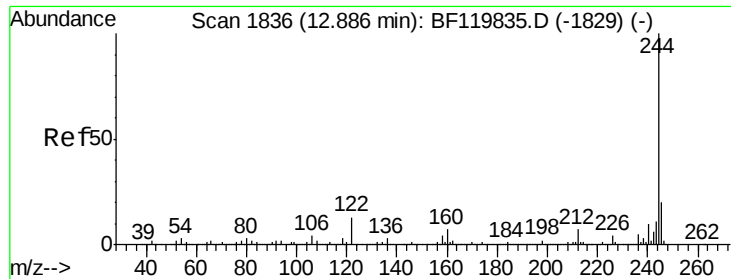


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

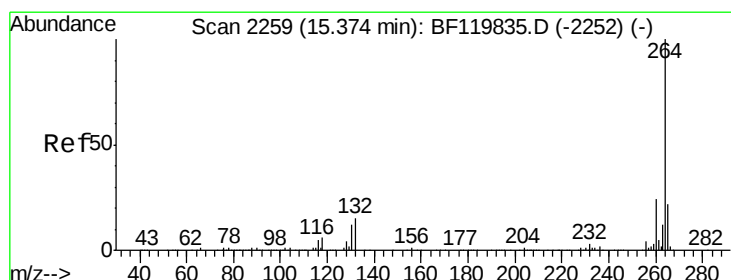
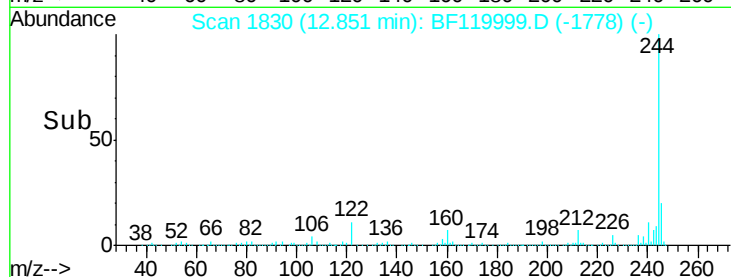
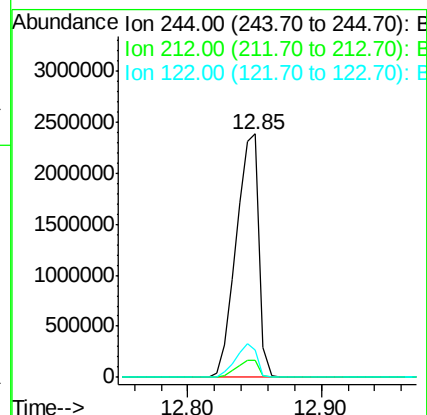
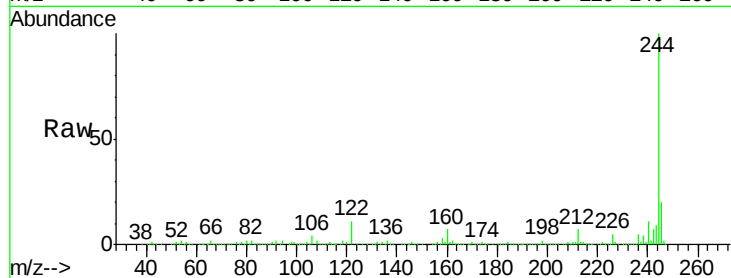




#79
 Terphenyl-d14
 Concen: 83.234 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. 0.01 min
 Lab File: BF119999.D
 Acq: 15 Apr 2020 17:43

Instrument :
 BNA_F
 ClientSampleId :
 TP-27

Tot Ion:244 Resp: 2841044
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.2 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: BF119999.D
 Acq: 15 Apr 2020 17:43

Tgt Ion:264 Resp: 473001
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.3 28.9
 265 22.9 17.6 26.4

