

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041320\
 Data File : BF119964.D
 Acq On : 14 Apr 2020 20:46
 Operator : MA/SJ
 Sample : L2230-66
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-25-31-39

Quant Time: Apr 15 02:29:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 12:44:44 2020
 Response via : Initial Calibration

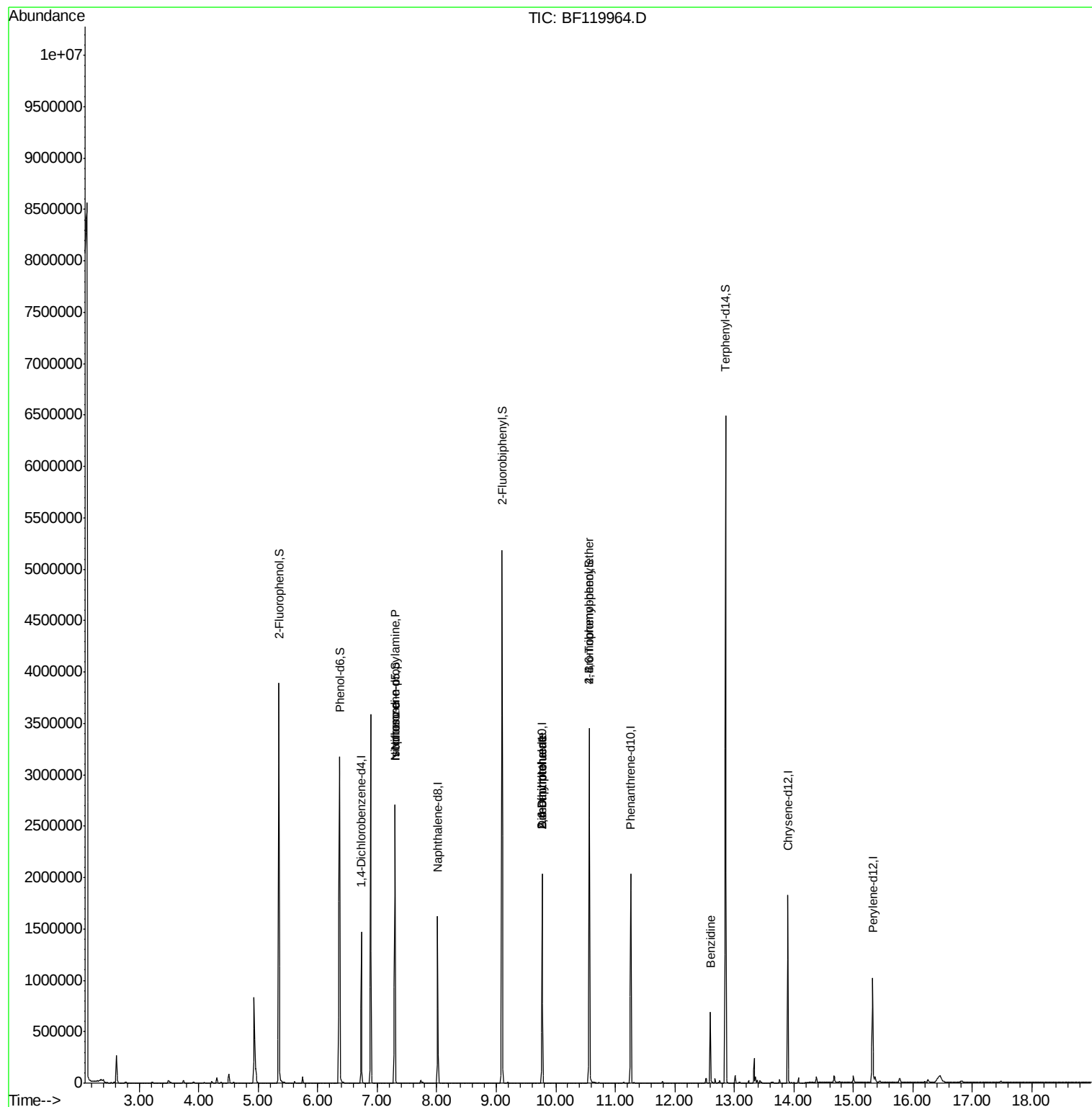
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	194238	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	752149	20.00	ng	-0.01
39) Acenaphthene-d10	9.77	164	401247	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	790264	20.00	ng	0.00
76) Chrysene-d12	13.90	240	599421	20.00	ng	-0.01
87) Perylene-d12	15.32	264	450357	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	999535	88.93	ng	0.01
7) Phenol-d6	6.37	99	1161802	80.22	ng	0.00
23) Nitrobenzene-d5	7.30	82	860528	59.19	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	423951	86.30	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1664188	58.89	ng	0.00
79) Terphenyl-d14	12.86	244	2495645	70.06	ng	0.00
Target Compounds						
9) Benzaldehyde	6.29	77	236	Below Cal		Qvalue # 79
19) n-Nitroso-di-n-propylamine	7.30	70	113158	12.151	ng	# 75
25) Isophorone	7.30	82	860516	30.703	ng	# 65
50) Dimethylphthalate	9.77	163	89016	2.868	ng	# 1
51) 2,6-Dinitrotoluene	9.77	165	52219	7.683	ng	# 19
57) 2,4-Dinitrotoluene	9.77	165	52219	5.832	ng	# 22
67) 4-Bromophenyl-phenylether	10.56	248	26292	2.675	ng	# 1
77) Benzidine	12.60	184	270285	13.339	ng	96

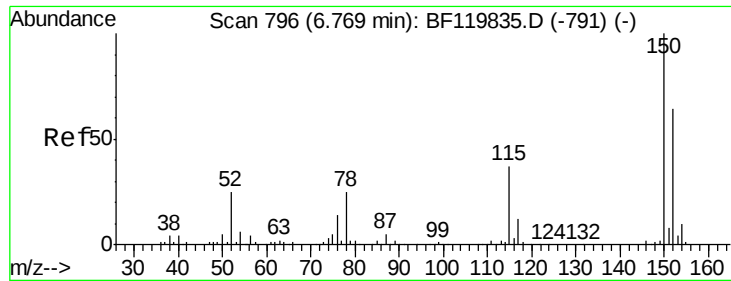
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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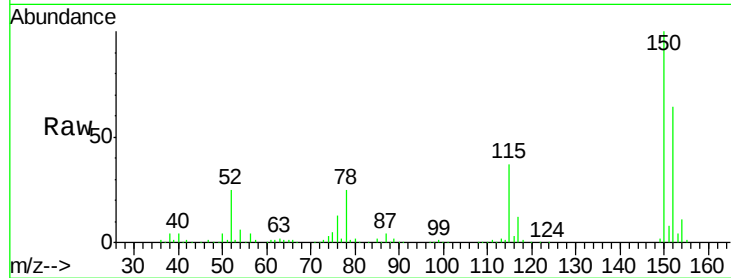


#1

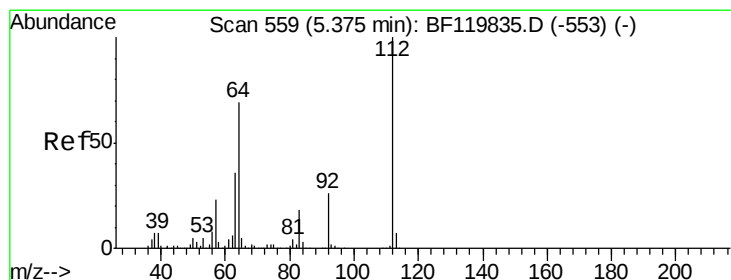
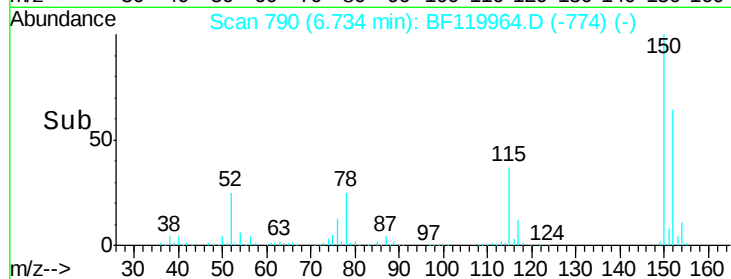
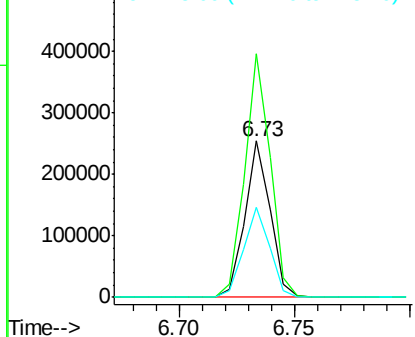
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF119964.D
Acq: 14 Apr 2020 20:46

Instrument :
BNA_F
ClientSampleId :
TP-25-31-39

Tot Ion:152 Resp: 194238
Ion Ratio Lower Upper
152 100
150 155.6 124.8 187.2
115 57.6 46.5 69.7



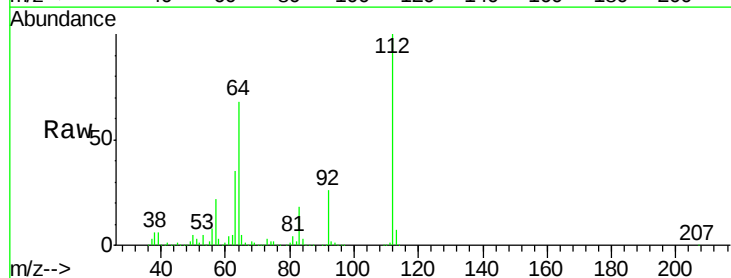
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



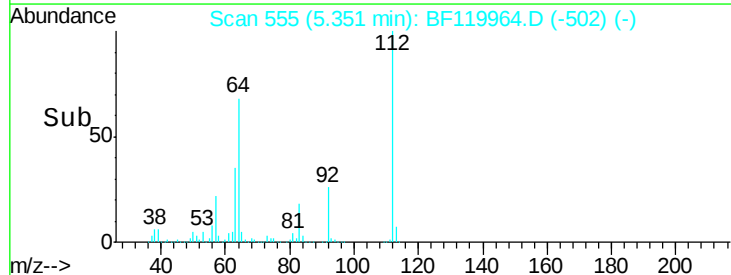
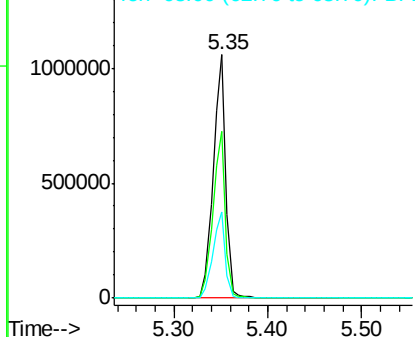
#5

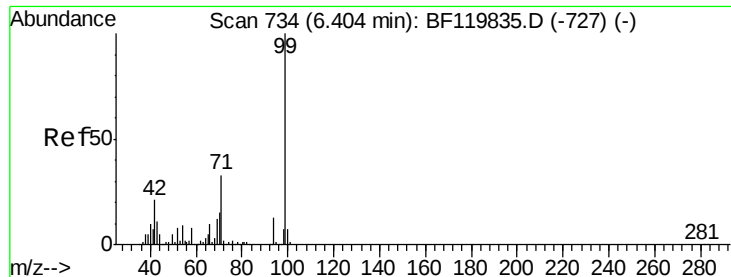
2-Fluorophenol
Concen: 88.931 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF119964.D
Acq: 14 Apr 2020 20:46

Tgt Ion:112 Resp: 999535
Ion Ratio Lower Upper
112 100
64 68.3 55.5 83.3
63 35.3 29.1 43.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 80.221 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF119964.D

Acq: 14 Apr 2020 20:46

Instrument :

BNA_F

ClientSampleId :

TP-25-31-39

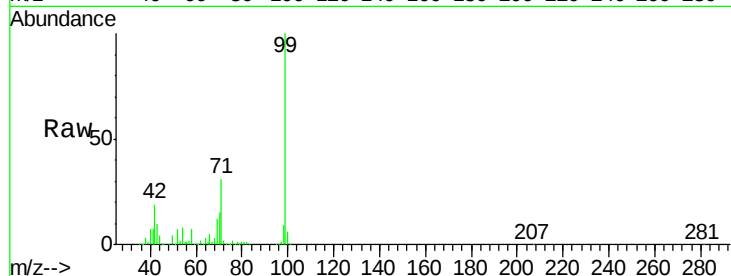
Tot Ion: 99 Resp: 1161802

Ion Ratio Lower Upper

99 100

42 18.5 16.9 25.3

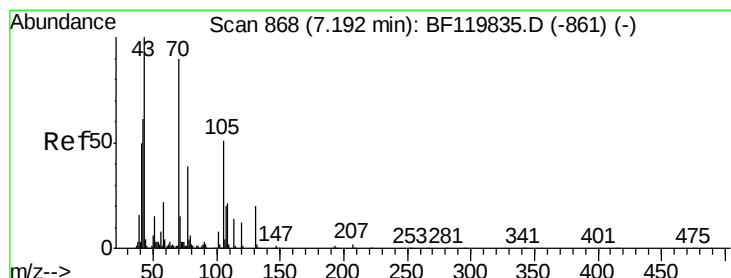
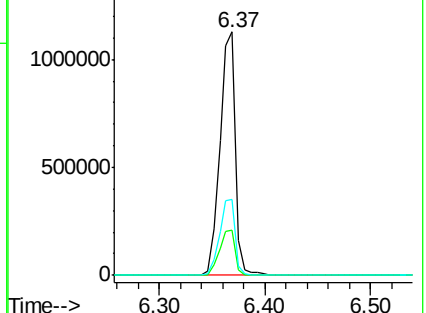
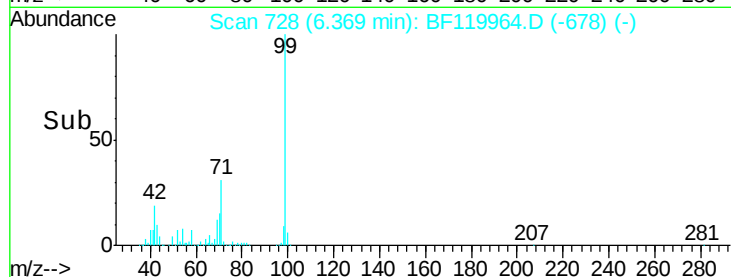
71 31.3 26.3 39.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.151 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF119964.D

Acq: 14 Apr 2020 20:46

Tgt Ion: 70 Resp: 113158

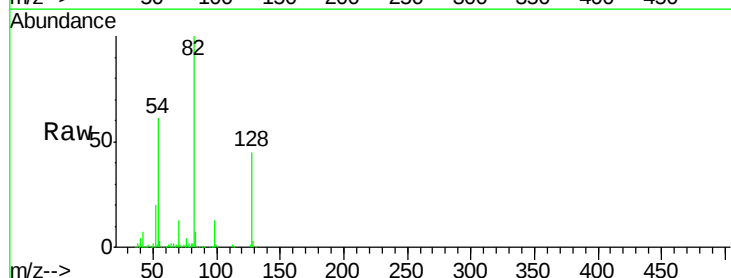
Ion Ratio Lower Upper

70 100

42 51.8 54.2 81.4#

101 0.0 7.4 11.2#

130 2.1 17.8 26.6#

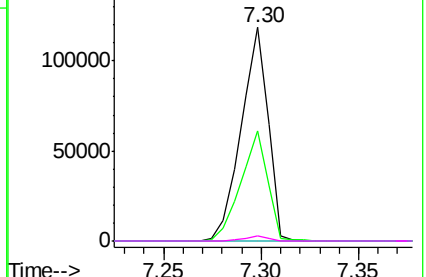
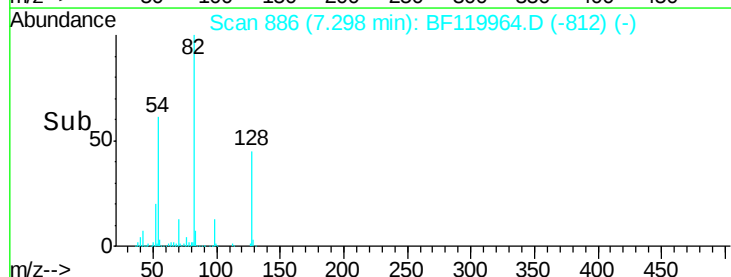


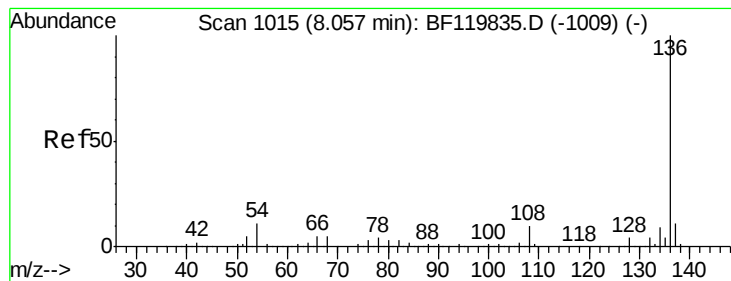
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF119964.D

Acq: 14 Apr 2020 20:46

Instrument :

BNA_F

ClientSampleId :

TP-25-31-39

Tot Ion:136 Resp: 752149

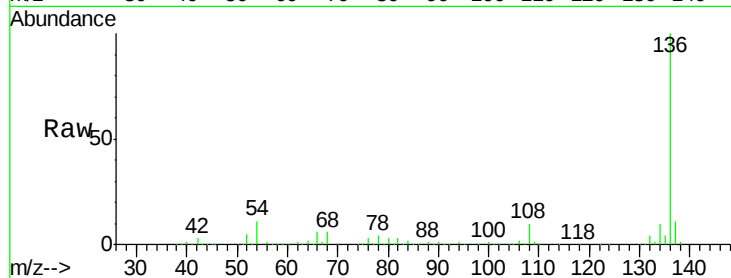
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 11.0 8.5 12.7

68 5.6 3.9 5.9

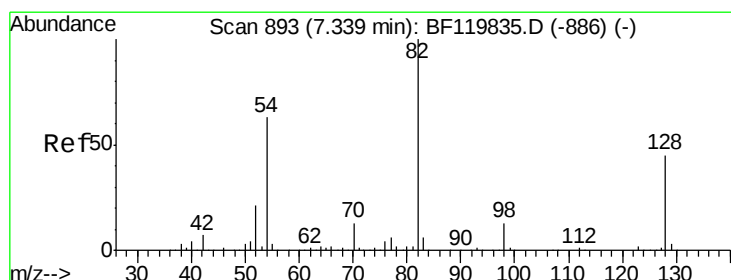
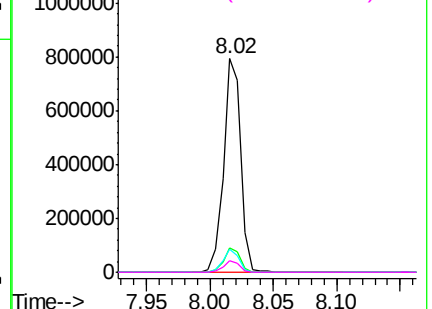
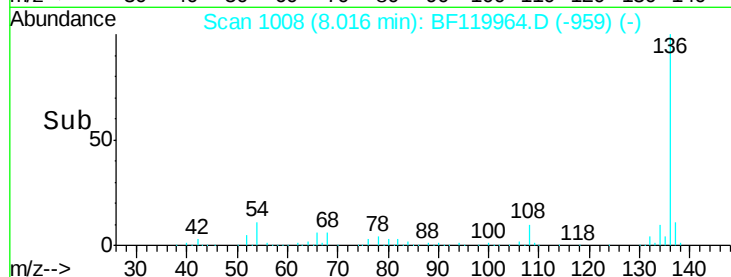


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.188 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF119964.D

Acq: 14 Apr 2020 20:46

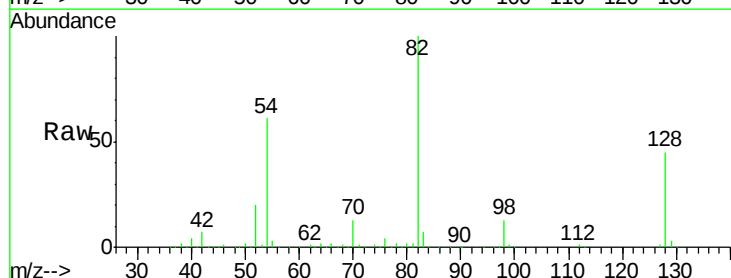
Tgt Ion: 82 Resp: 860528

Ion Ratio Lower Upper

82 100

128 45.2 36.2 54.4

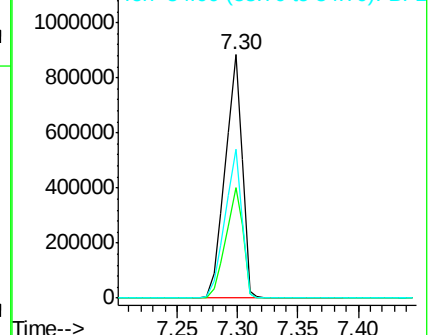
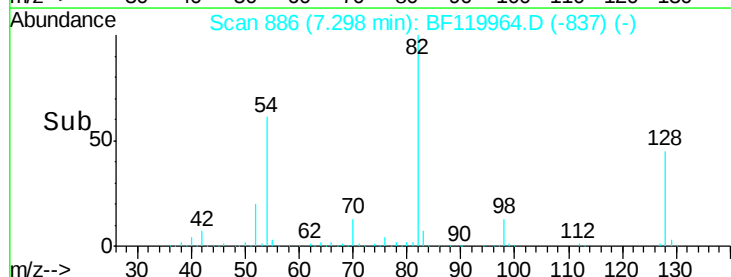
54 61.4 50.4 75.6



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: 30.703 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.27 min

Lab File: BF119964.D

Acq: 14 Apr 2020 20:46

Instrument :

BNA_F

ClientSampleId :

TP-25-31-39

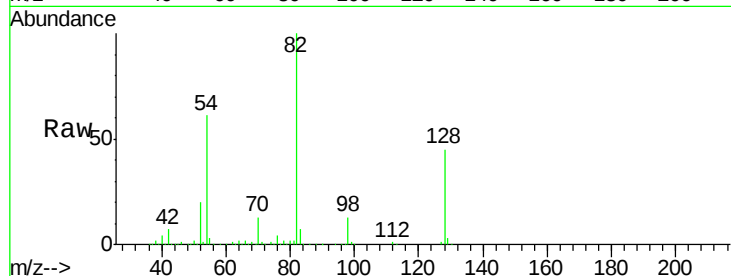
Tot Ion: 82 Resp: 860516

Ion Ratio Lower Upper

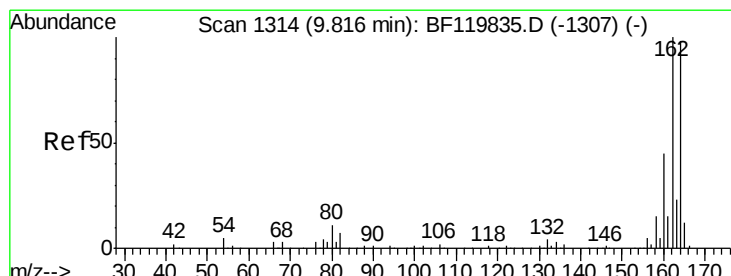
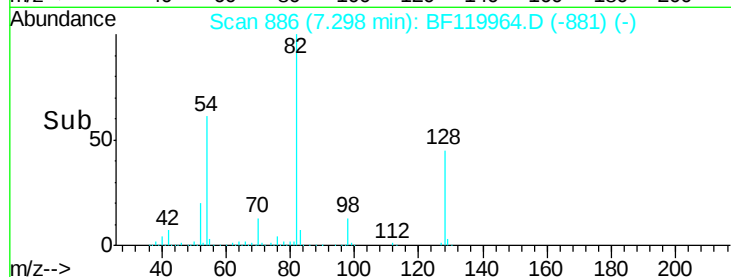
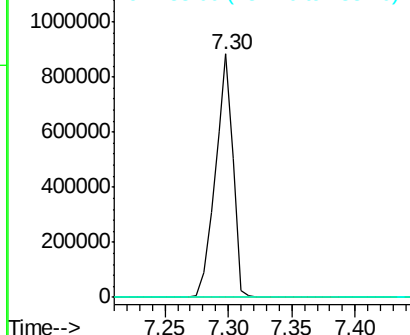
82 100

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: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF119964.D

Acq: 14 Apr 2020 20:46

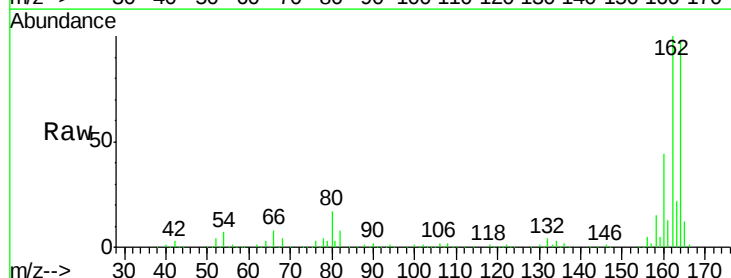
Tgt Ion:164 Resp: 401247

Ion Ratio Lower Upper

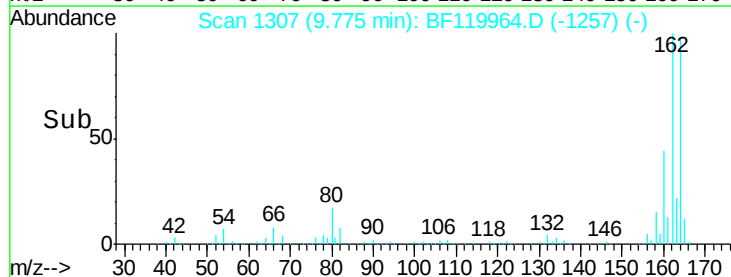
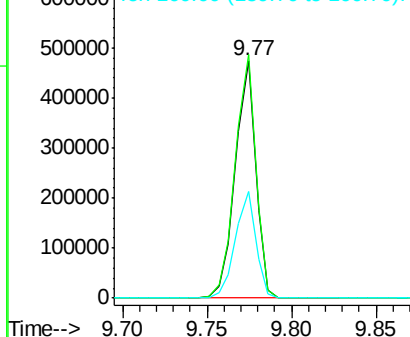
164 100

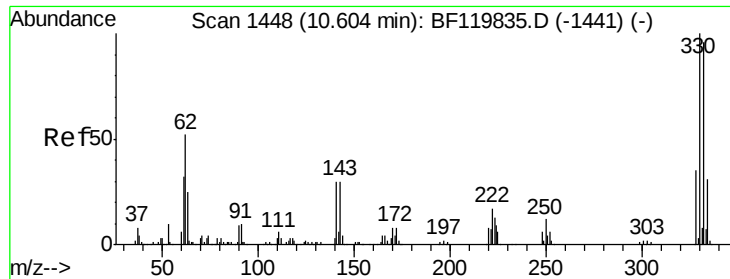
162 102.5 81.9 122.9

160 44.9 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

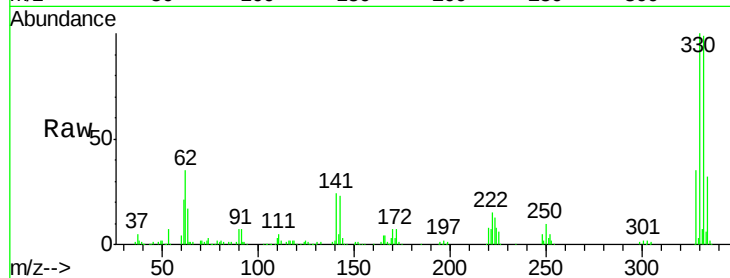




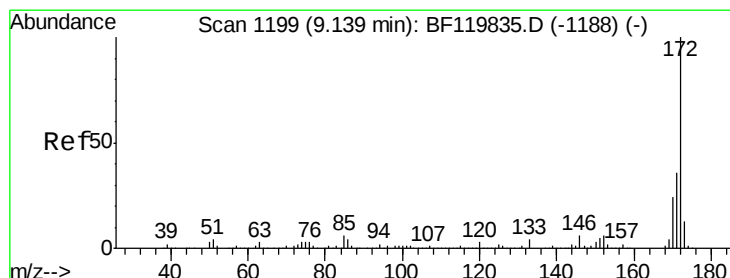
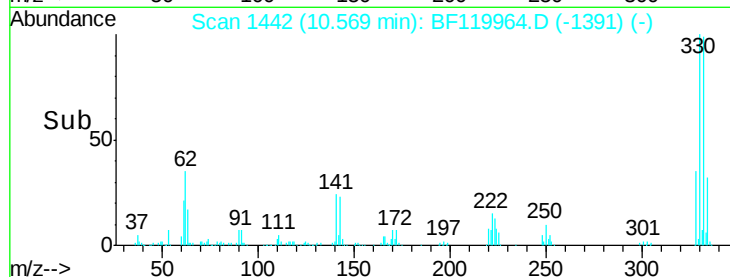
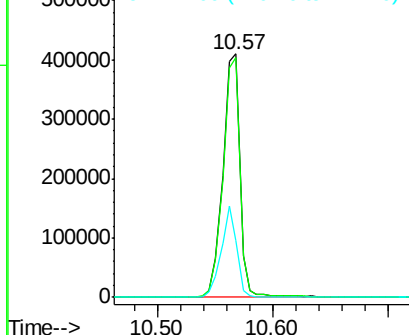
#42
 2,4,6-Tribromophenol
 Concen: 86.298 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: BF119964.D
 Acq: 14 Apr 2020 20:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-25-31-39

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.8	115.2
141	34.0	25.1	37.7

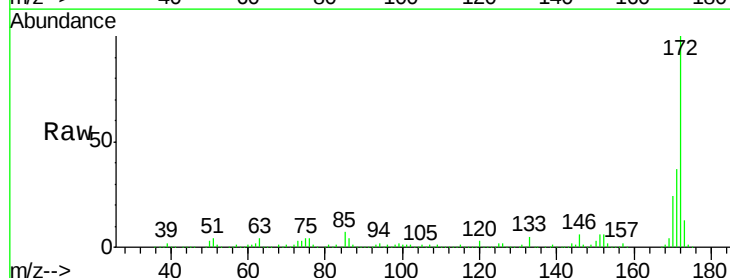


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

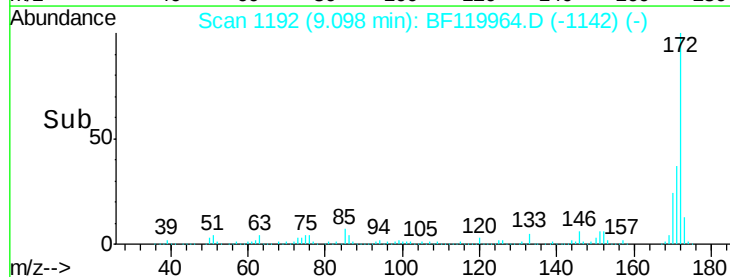
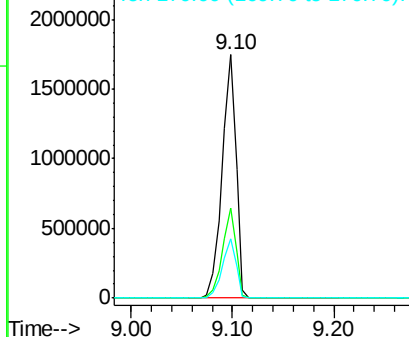


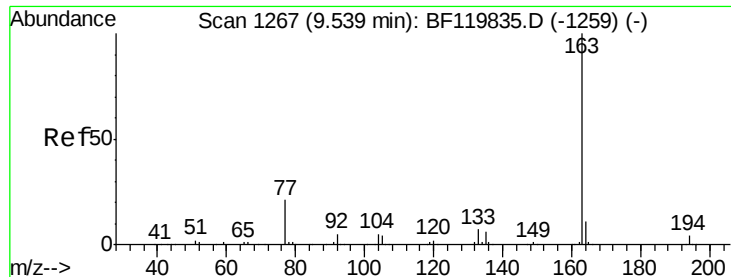
#45
 2-Fluorobiphenyl
 Concen: 58.886 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF119964.D
 Acq: 14 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.9	43.3
170	24.5	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





#50

Dimethylphthalate

Concen: 2.868 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.26 min

Lab File: BF119964.D

Acq: 14 Apr 2020 20:46

Instrument :

BNA_F

ClientSampleId :

TP-25-31-39

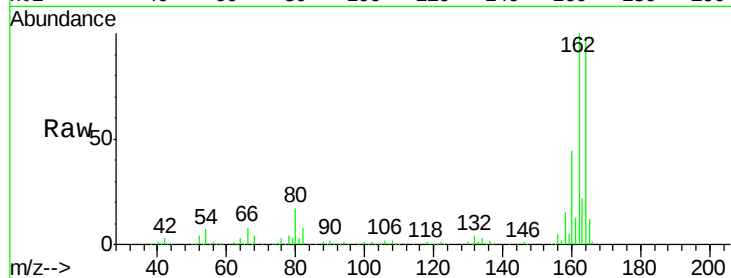
Tot Ion:163 Resp: 89016

Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.4#

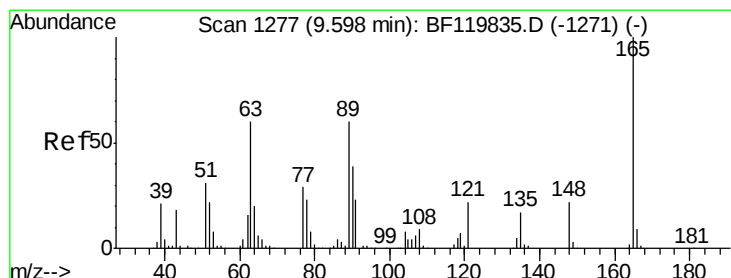
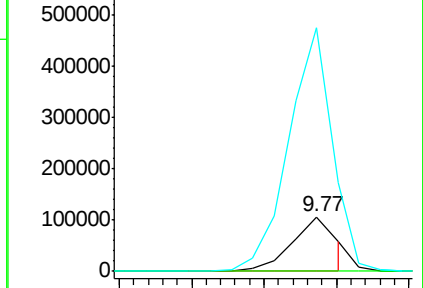
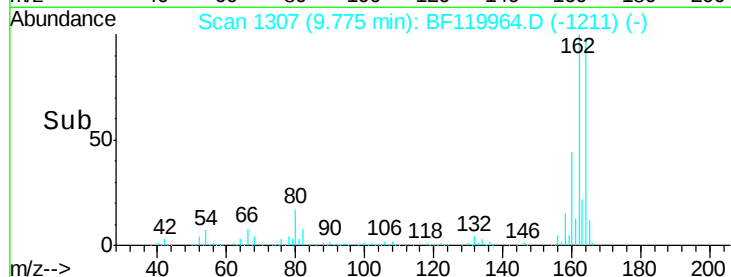
164 447.7 8.4 12.6#



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: 7.683 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.21 min

Lab File: BF119964.D

Acq: 14 Apr 2020 20:46

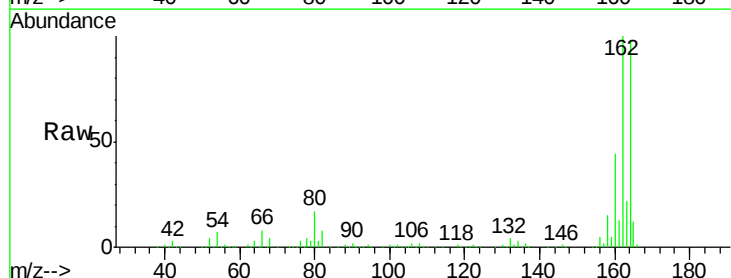
Tgt Ion:165 Resp: 52219

Ion Ratio Lower Upper

165 100

63 1.1 55.6 83.4#

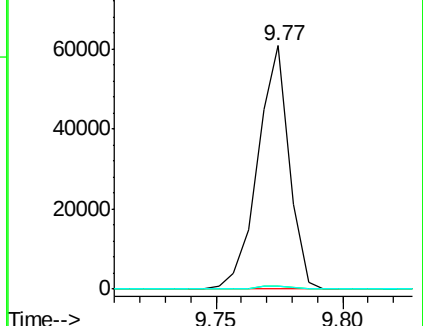
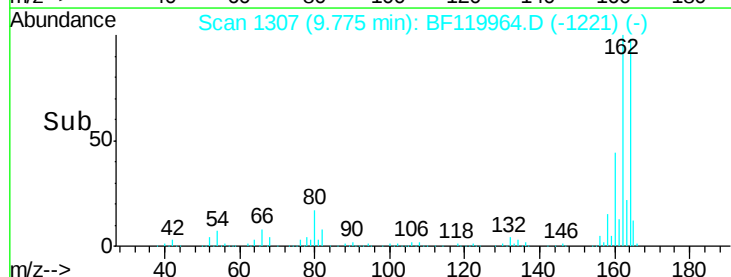
89 1.2 47.9 71.9#

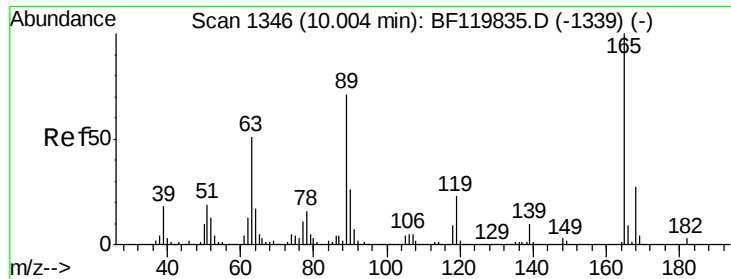


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

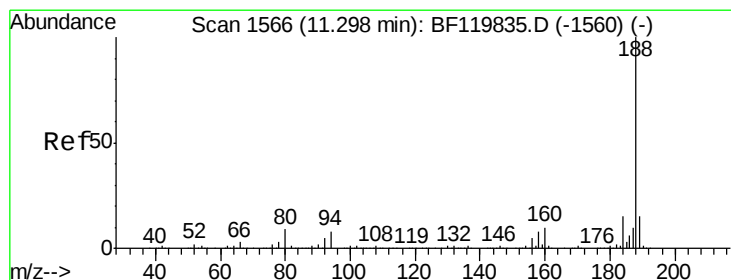
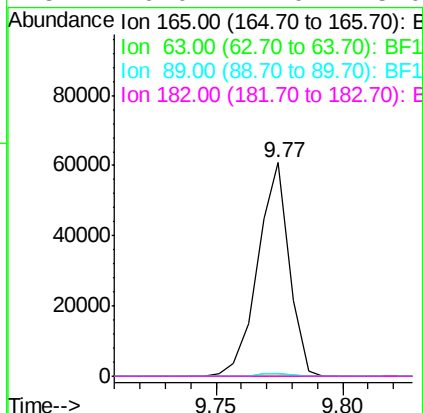
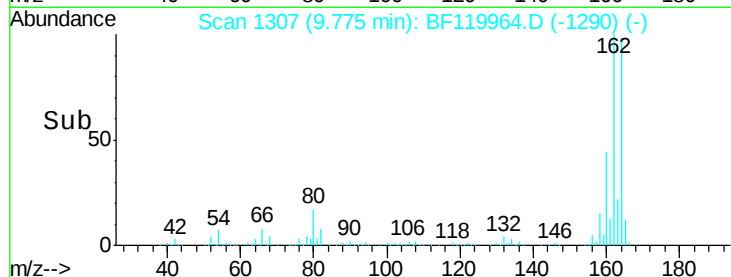
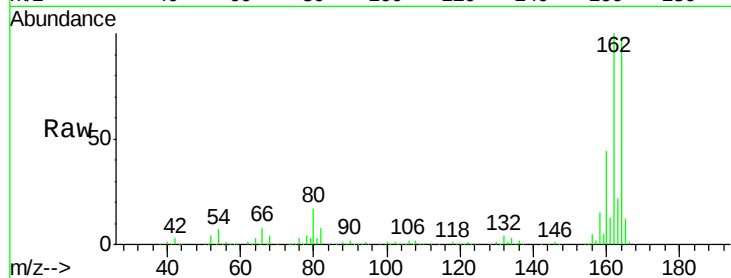




#57
 2,4-Dinitrotoluene
 Concen: 5.832 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.20 min
 Lab File: BF119964.D
 Acq: 14 Apr 2020 20:46

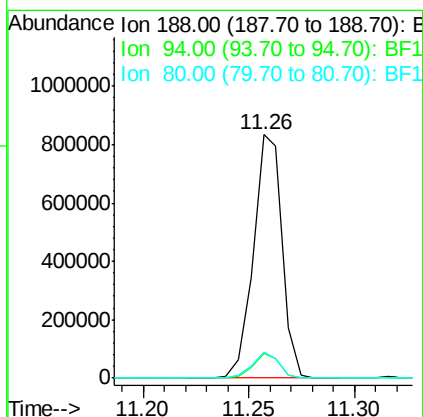
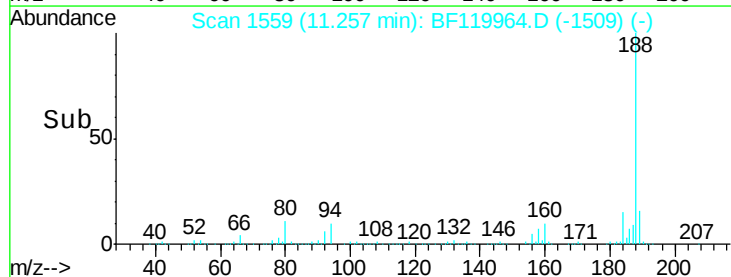
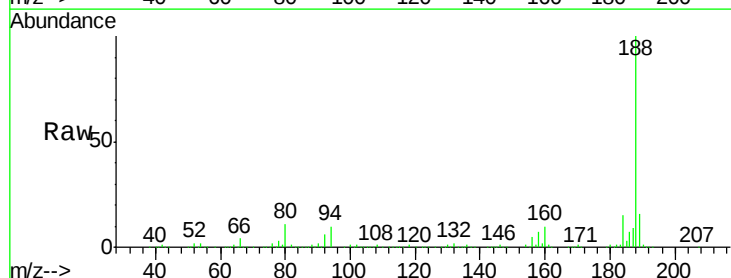
Instrument :
 BNA_F
 ClientSampleId :
 TP-25-31-39

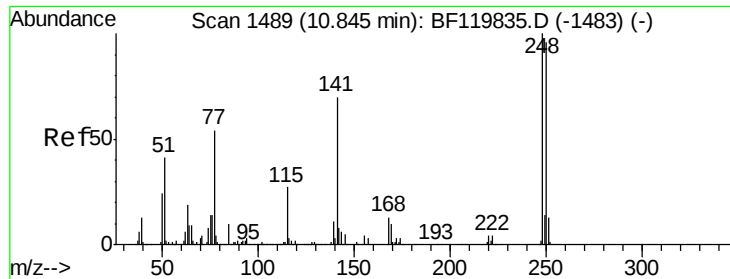
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	40.8	61.2#
89	1.2	56.9	85.3#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF119964.D
 Acq: 14 Apr 2020 20:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	6.7	10.1#
80	10.8	7.4	11.2

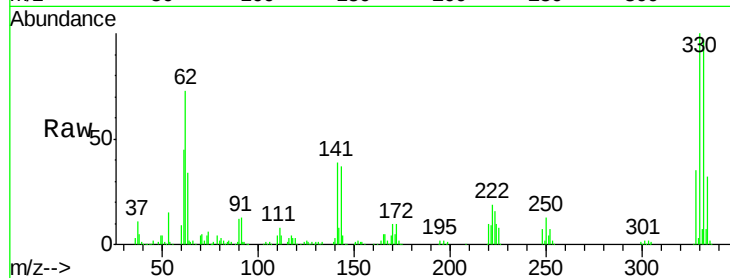




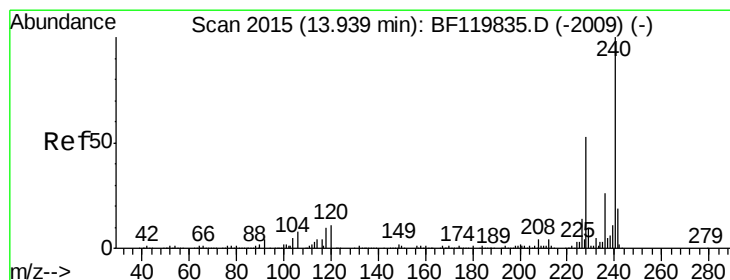
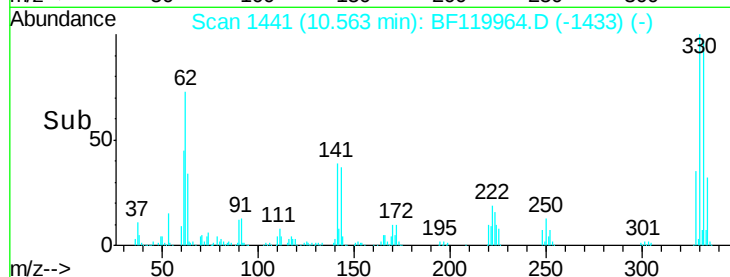
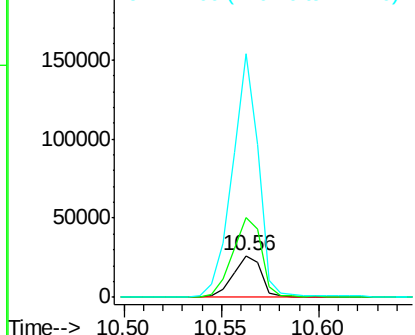
#67
 4-Bromophenyl-phenylether
 Concen: 2.675 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.25 min
 Lab File: BF119964.D
 Acq: 14 Apr 2020 20:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-25-31-39

Tot Ion:248 Resp: 26292
 Ion Ratio Lower Upper
 248 100
 250 191.5 76.6 114.8#
 141 581.7 55.9 83.9#

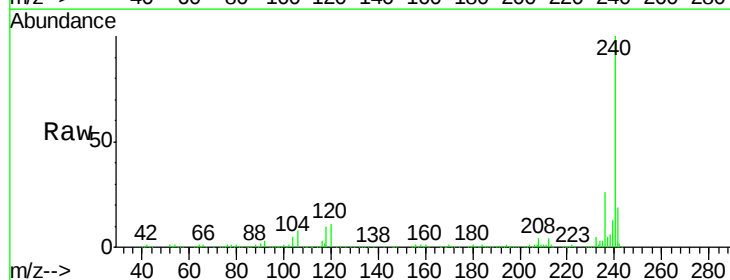


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

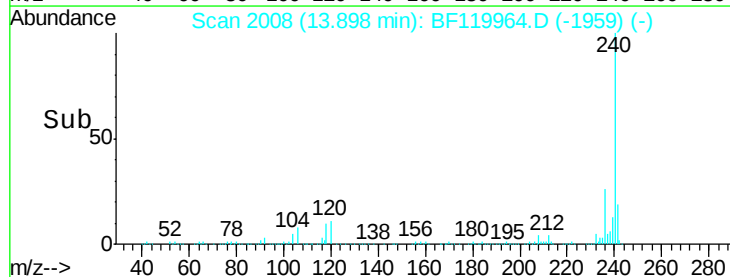
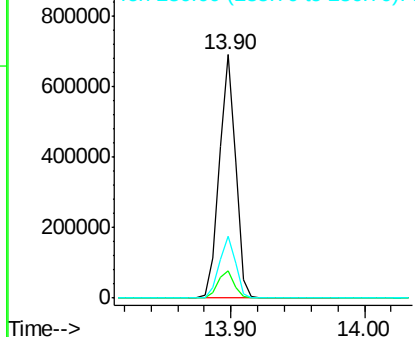


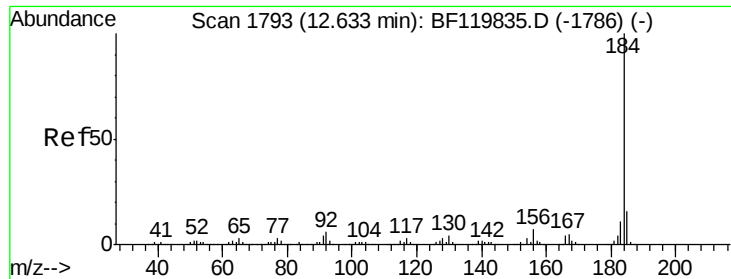
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF119964.D
 Acq: 14 Apr 2020 20:46

Tgt Ion:240 Resp: 599421
 Ion Ratio Lower Upper
 240 100
 120 11.1 9.0 13.6
 236 25.6 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: 13.339 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF119964.D

Acq: 14 Apr 2020 20:46

Instrument :

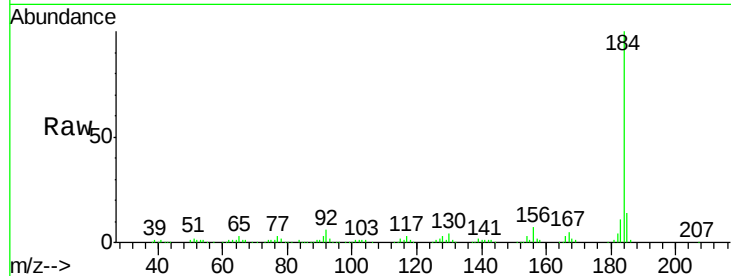
BNA_F

ClientSampleId :

TP-25-31-39

Tot Ion:184 Resp: 270285

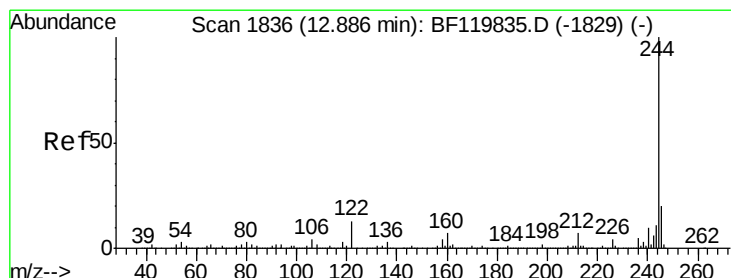
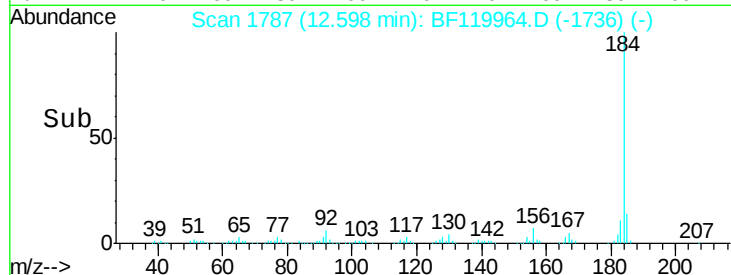
Ion	Ratio	Lower	Upper
184	100		
185	13.9	13.2	19.8
183	11.0	9.1	13.7



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: 70.056 ng

RT: 12.86 min Scan# 1831

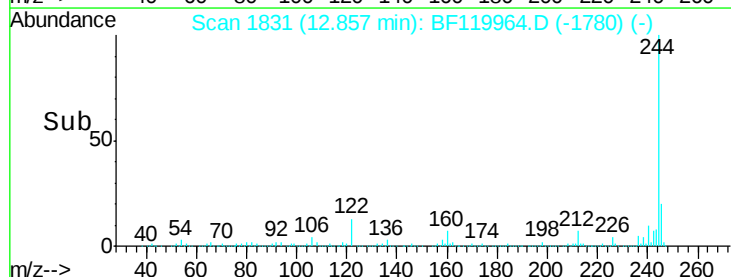
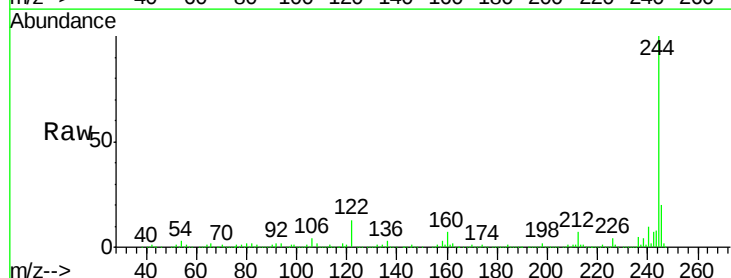
Delta R.T. -0.00 min

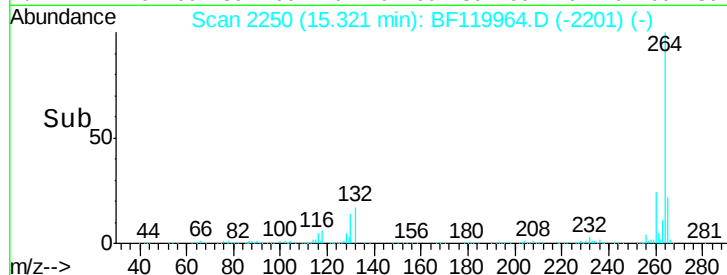
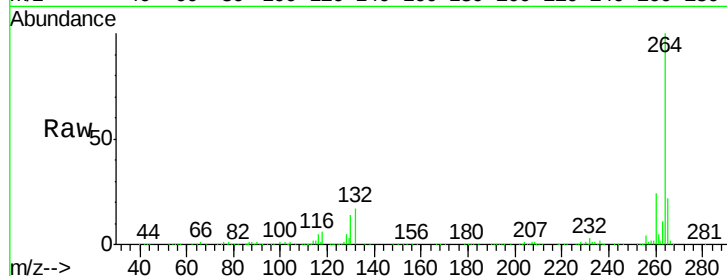
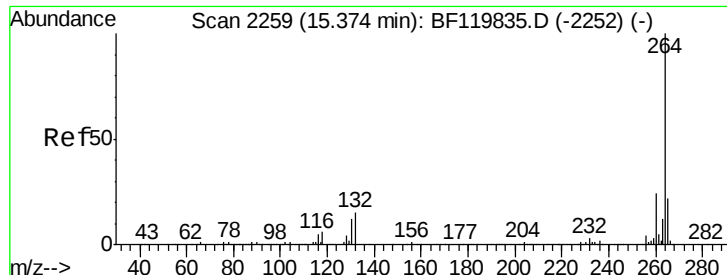
Lab File: BF119964.D

Acq: 14 Apr 2020 20:46

Tgt Ion:244 Resp: 2495645

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.6	10.3	15.5





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. -0.01 min
 Lab File: BF119964.D
 Acq: 14 Apr 2020 20:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-25-31-39

Tot Ion:	264	Resp:	450357
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.3	28.9
265	21.6	17.6	26.4

