

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012920\
 Data File : BF118742.D
 Acq On : 29 Jan 2020 20:12
 Operator : CG/JU
 Sample : L1289-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 30 00:11:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 27 14:24:10 2020
 Response via : Initial Calibration

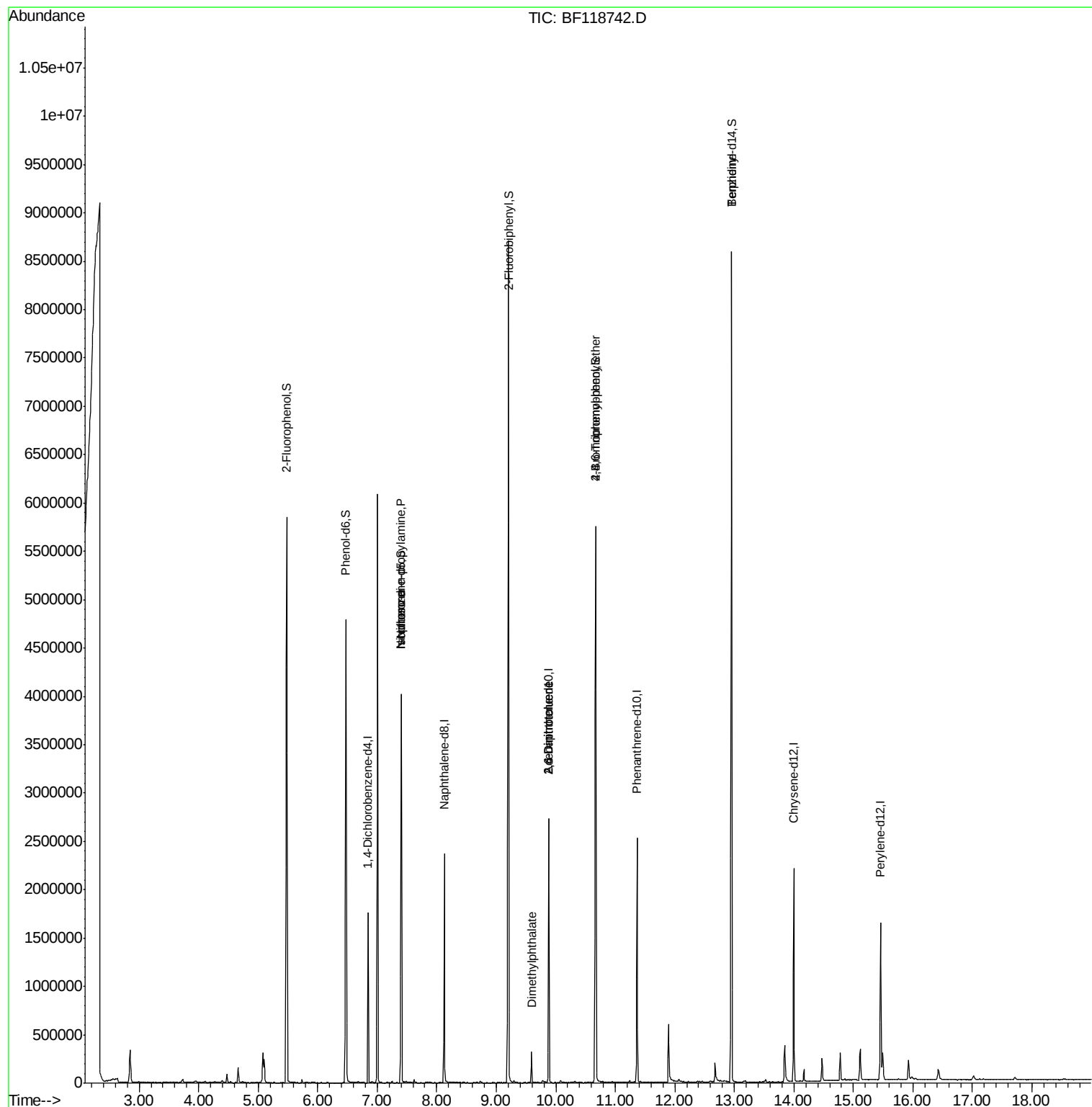
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	279755	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	1037363	20.00	ng	-0.02
39) Acenaphthene-d10	9.88	164	570927	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	999853	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	707675	20.00	ng	-0.02
87) Perylene-d12	15.46	264	755277	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1766068	117.25	ng	0.00
7) Phenol-d6	6.47	99	1977197	100.99	ng	-0.02
23) Nitrobenzene-d5	7.40	82	1538250	82.94	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	851529	128.95	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	2999523	86.35	ng	-0.02
79) Terphenyl-d14	12.95	244	3393524	104.59	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	211337	15.987	ng	# 76
25) Isophorone	7.40	82	1538222	45.473	ng	# 63
50) Dimethylphthalate	9.59	163	117384	3.156	ng	# 99
51) 2,6-Dinitrotoluene	9.88	165	73307	8.801	ng	# 29
57) 2,4-Dinitrotoluene	9.88	165	73307	6.981	ng	# 30
67) 4-Bromophenyl-phenylether	10.67	248	54106	4.380	ng	# 1
77) Benzidine	12.95	184	43336	2.292	ng	# 91

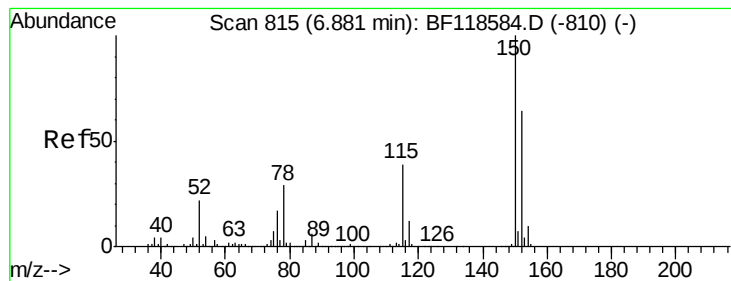
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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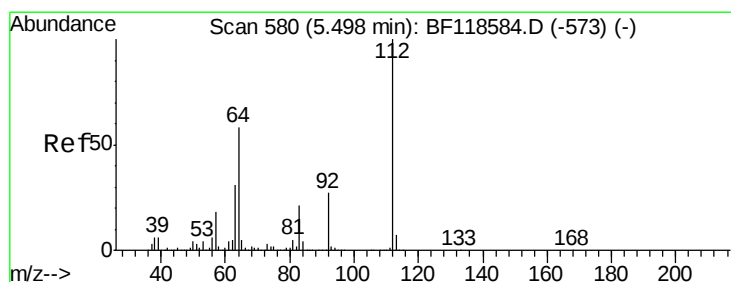
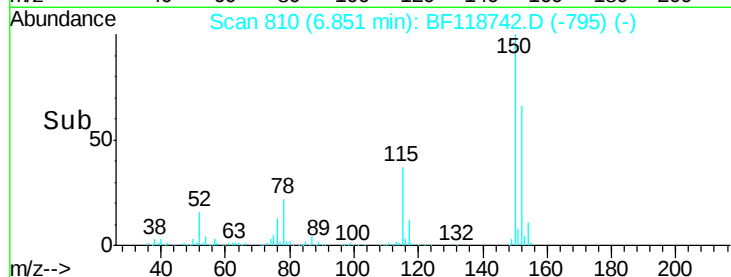
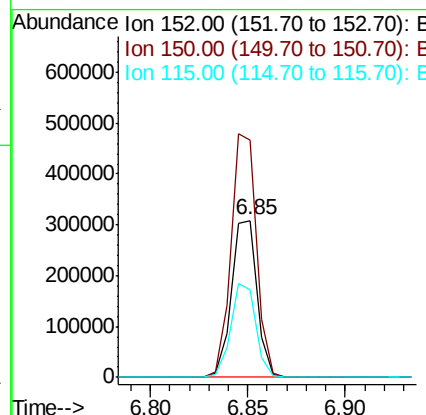
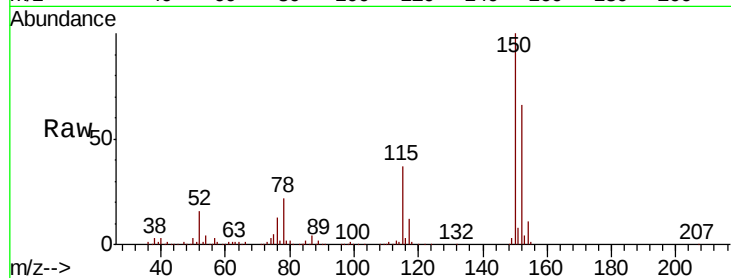




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF118742.D
 Acq: 29 Jan 2020 20:12

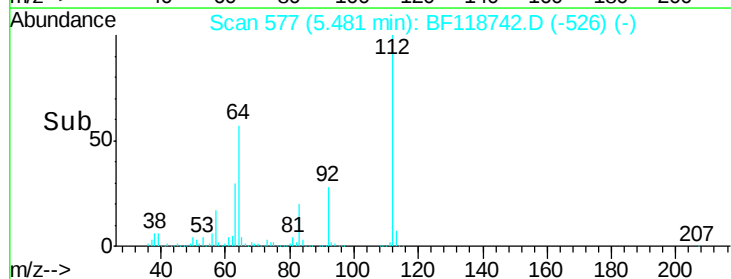
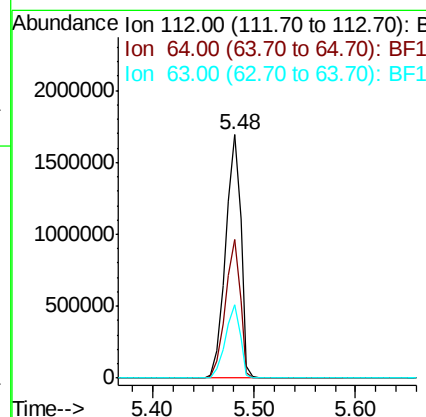
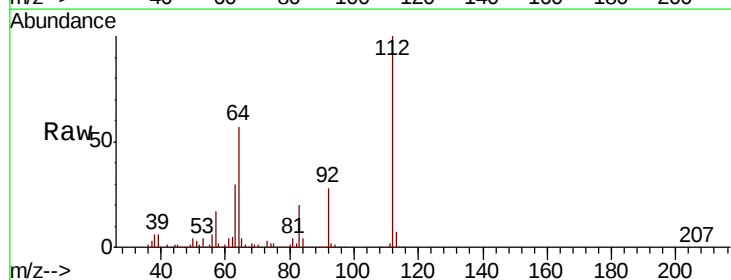
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	123.7	185.5
115	55.6	45.1	67.7



#5
 2-Fluorophenol
 Concen: 117.247 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: BF118742.D
 Acq: 29 Jan 2020 20:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	42.4	63.6
63	30.2	21.7	32.5





#7

Phenol-d6

Concen: 100.992 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF118742.D

Acq: 29 Jan 2020 20:12

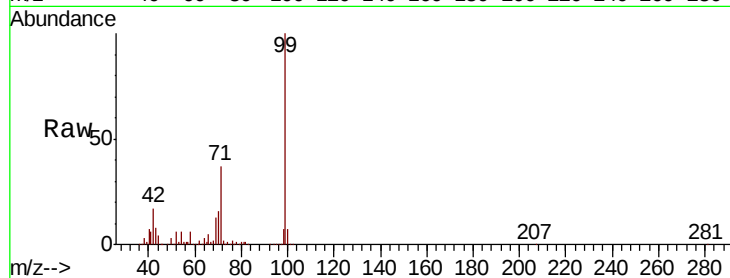
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1977197

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.1	19.7
71	36.5	28.4	42.6

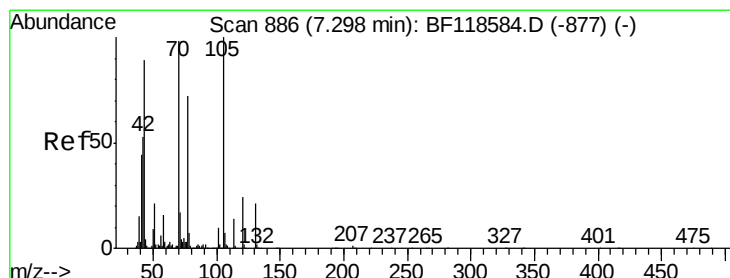
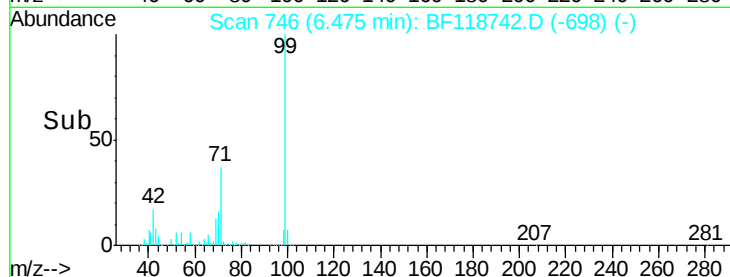
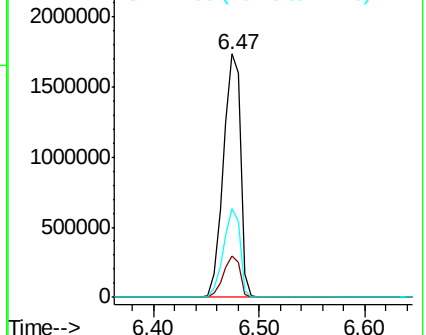


Abundance

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: 15.987 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.13 min

Lab File: BF118742.D

Acq: 29 Jan 2020 20:12

Tgt Ion: 70 Resp: 211337

Ion	Ratio	Lower	Upper
70	100		
42	41.7	41.6	62.4
101	0.0	7.9	11.9#
130	2.5	19.0	28.6#

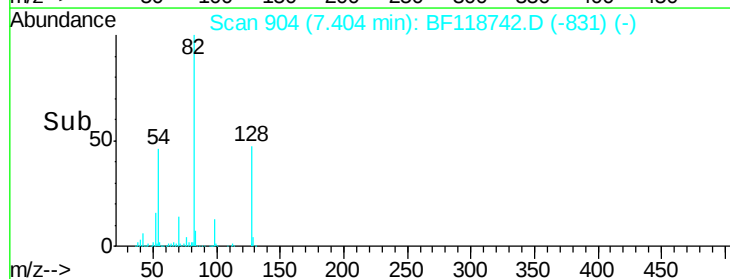
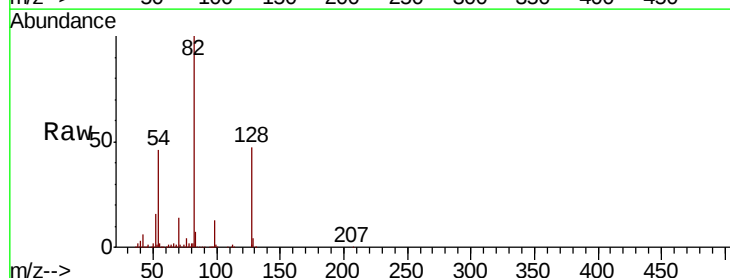
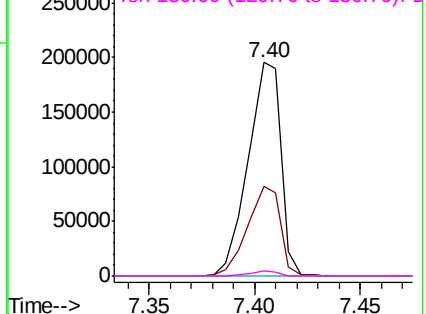
Abundance

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

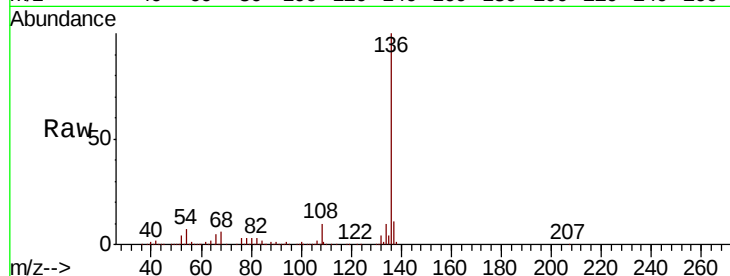




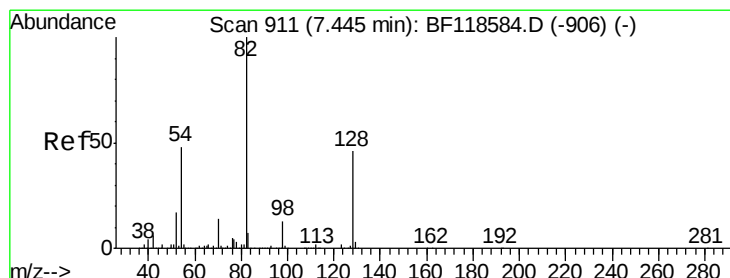
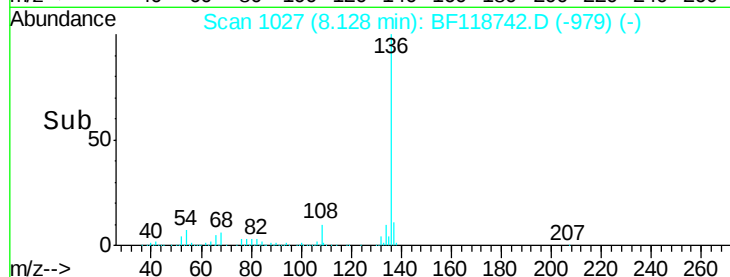
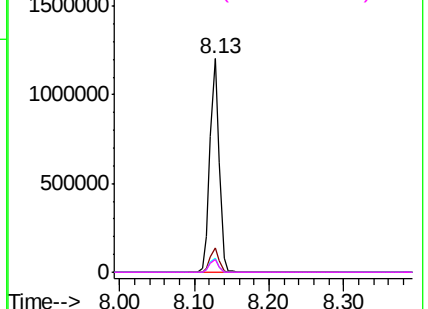
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BF118742.D
Acq: 29 Jan 2020 20:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 1037363
Ion Ratio	Lower Upper
136 100	
137 11.4	8.9 13.3
54 6.5	5.1 7.7
68 5.8	4.3 6.5

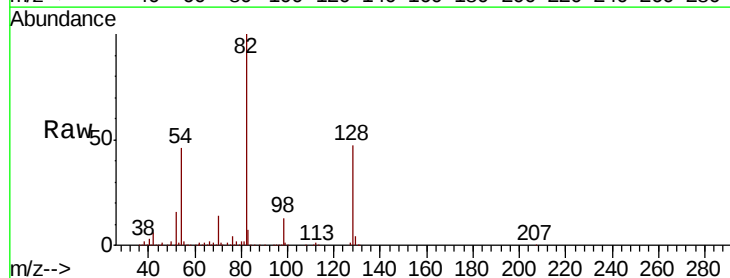


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

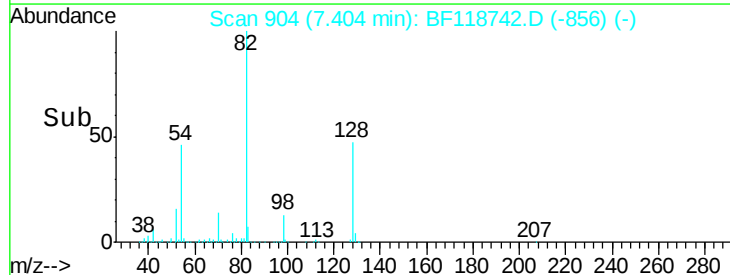
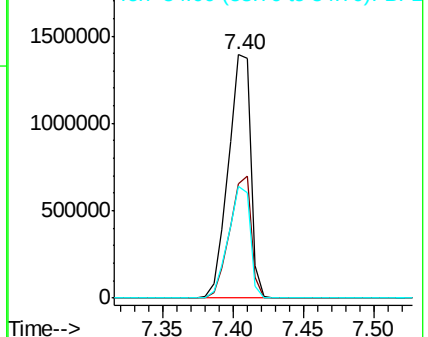


#23
Nitrobenzene-d5
Concen: 82.942 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.02 min
Lab File: BF118742.D
Acq: 29 Jan 2020 20:12

Tgt Ion: 82	Resp: 1538250
Ion Ratio	Lower Upper
82 100	
128 47.1	38.2 57.2
54 45.9	36.1 54.1



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: 45.473 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.28 min

Lab File: BF118742.D

Acq: 29 Jan 2020 20:12

Instrument :

BNA_F

ClientSampleId :

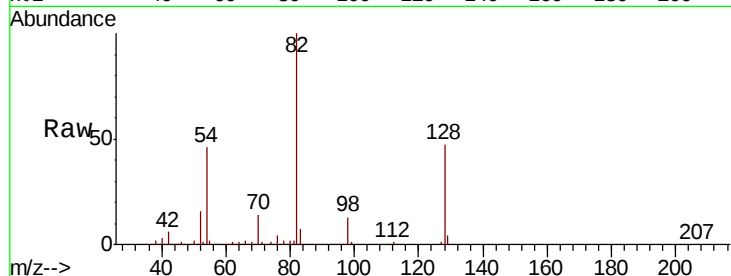
Tot Ion: 82 Resp: 1538222

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

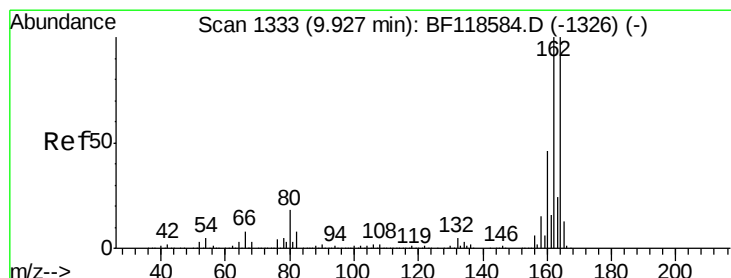
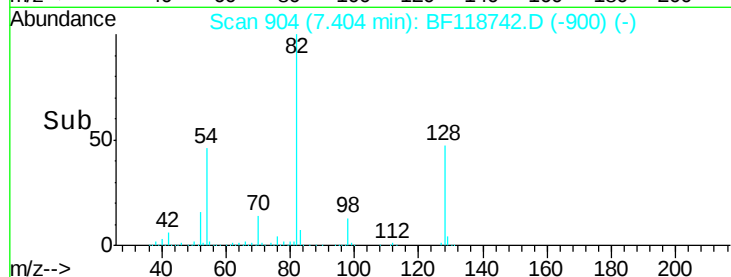
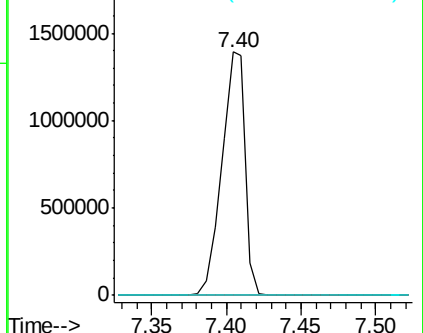
138 0.0 15.8 23.8#



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: 9.88 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF118742.D

Acq: 29 Jan 2020 20:12

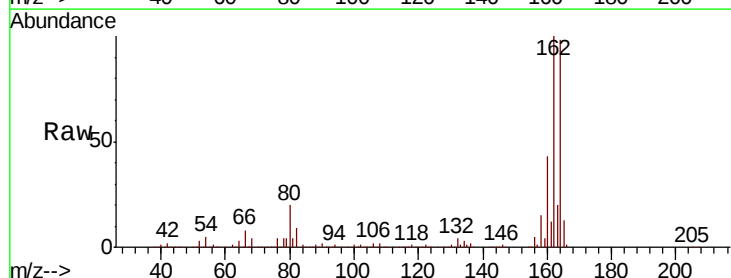
Tgt Ion: 164 Resp: 570927

Ion Ratio Lower Upper

164 100

162 102.4 80.8 121.2

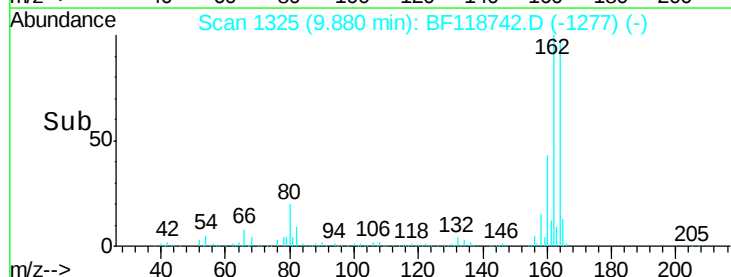
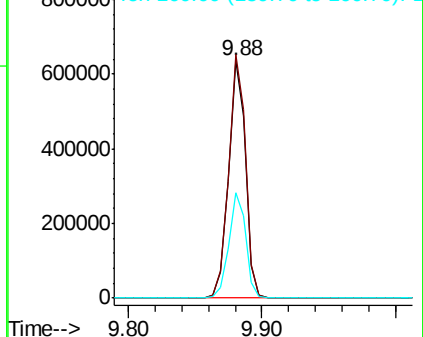
160 44.3 35.4 53.0

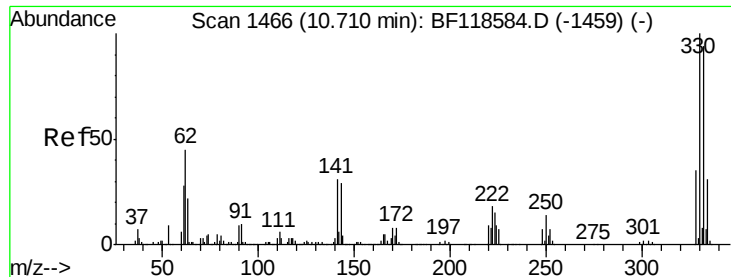


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

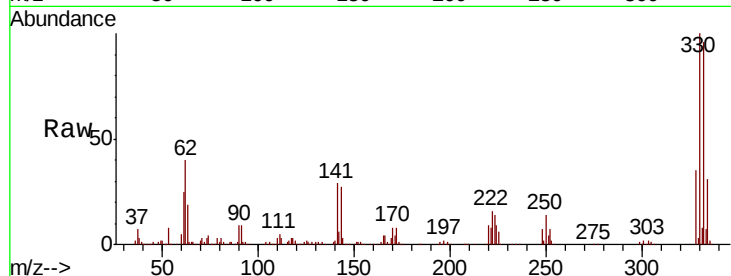




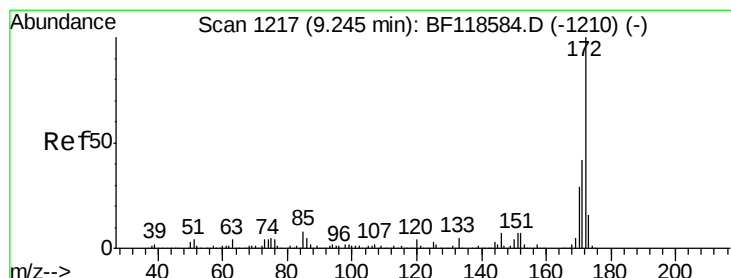
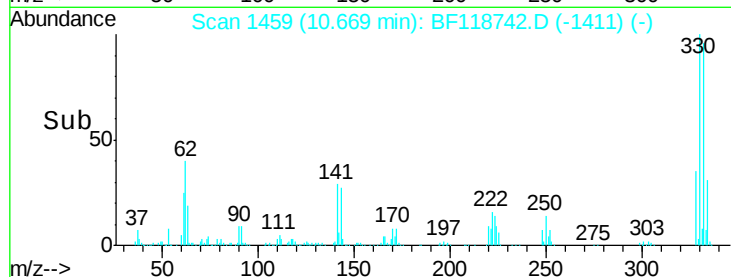
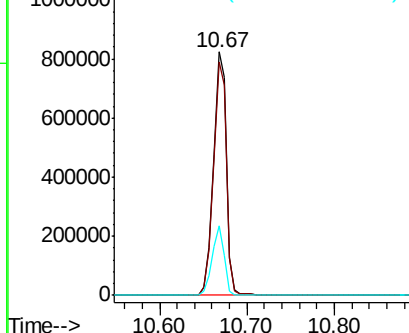
#42
 2,4,6-Tribromophenol
 Concen: 128.951 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF118742.D
 Acq: 29 Jan 2020 20:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.6	116.4
141	27.1	22.2	33.2

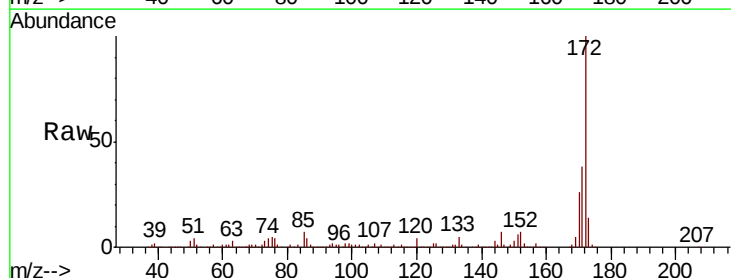


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

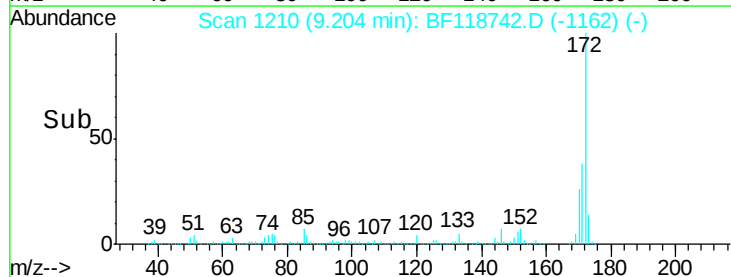
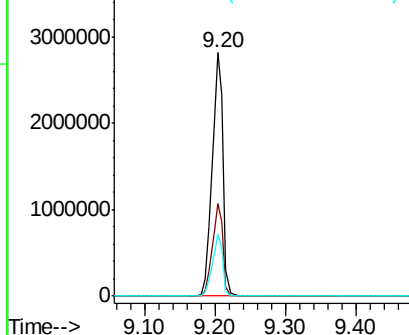


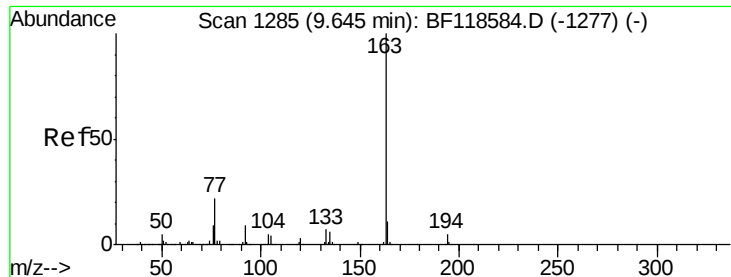
#45
 2-Fluorobiphenyl
 Concen: 86.352 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.02 min
 Lab File: BF118742.D
 Acq: 29 Jan 2020 20:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.0	46.4
170	25.6	20.7	31.1



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: 3.156 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.03 min

Lab File: BF118742.D

Acq: 29 Jan 2020 20:12

Instrument :

BNA_F

ClientSampleId :

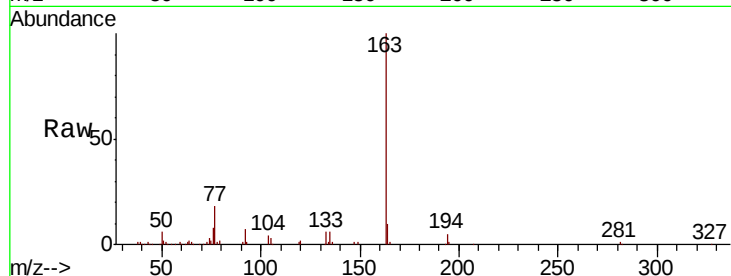
Tot Ion:163 Resp: 117384

Ion Ratio Lower Upper

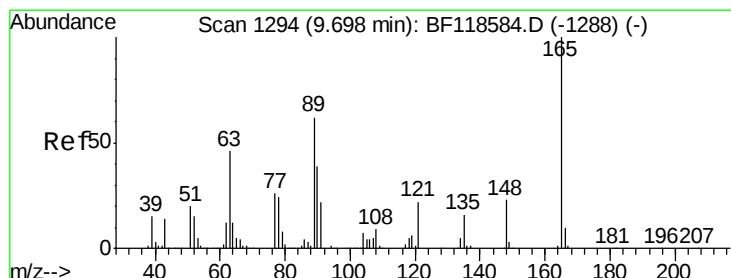
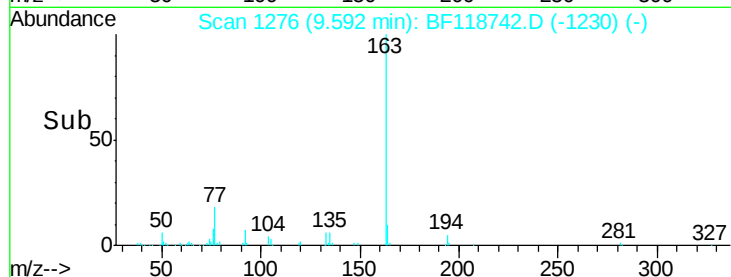
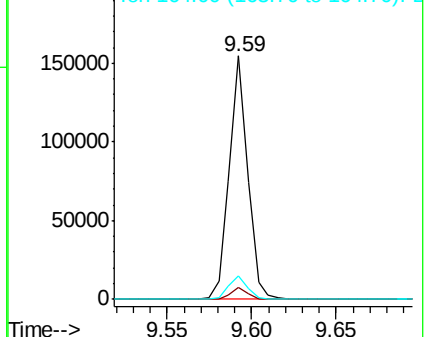
163 100

194 4.7 3.7 5.5

164 9.7 8.2 12.2



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: 8.801 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.21 min

Lab File: BF118742.D

Acq: 29 Jan 2020 20:12

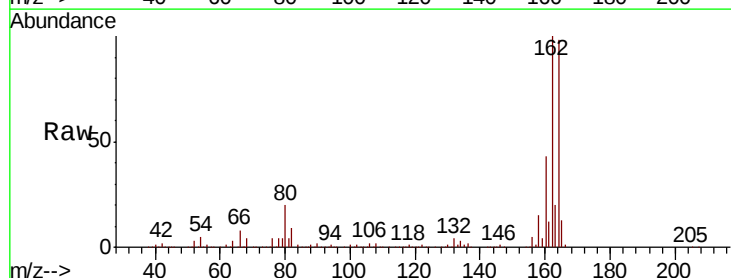
Tgt Ion:165 Resp: 73307

Ion Ratio Lower Upper

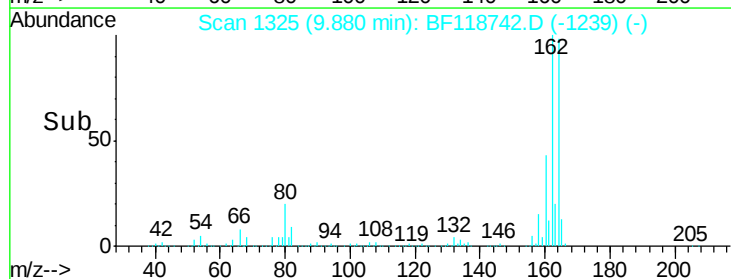
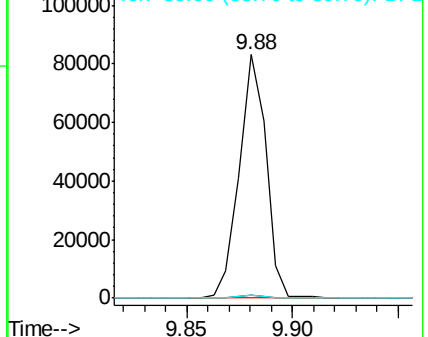
165 100

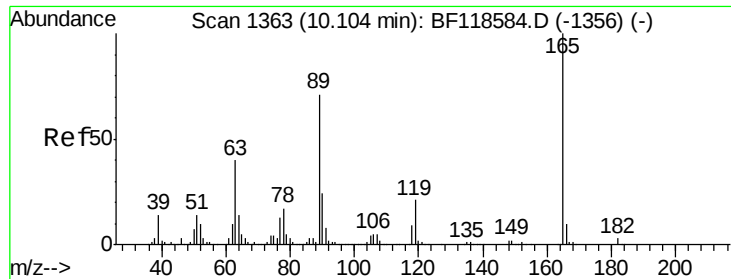
63 1.2 39.8 59.6#

89 1.1 41.4 62.2#



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: 6.981 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.20 min

Lab File: BF118742.D

Acq: 29 Jan 2020 20:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 73307

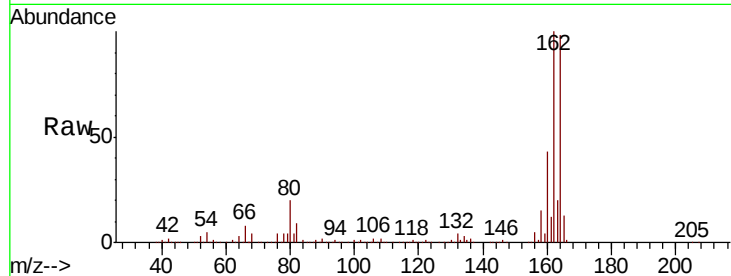
Ion Ratio Lower Upper

165 100

63 1.2 28.5 42.7#

89 1.1 50.4 75.6#

182 0.0 2.3 3.5#

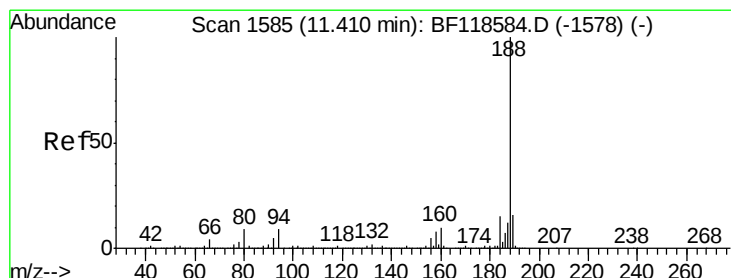
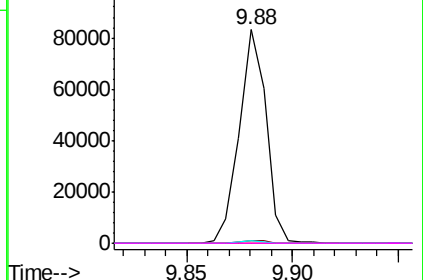
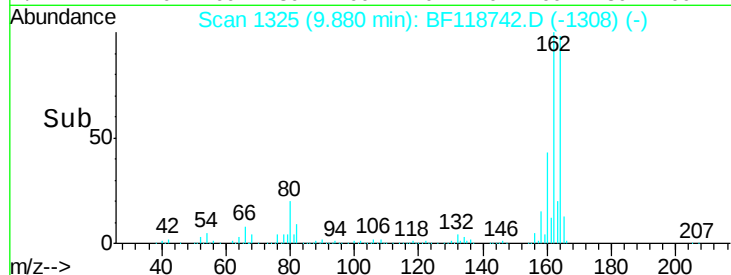


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF118742.D

Acq: 29 Jan 2020 20:12

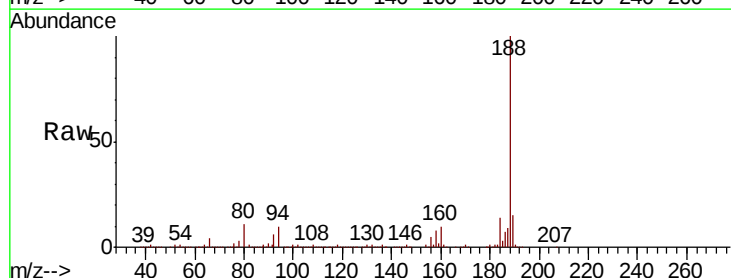
Tgt Ion:188 Resp: 999853

Ion Ratio Lower Upper

188 100

94 9.8 7.4 11.2

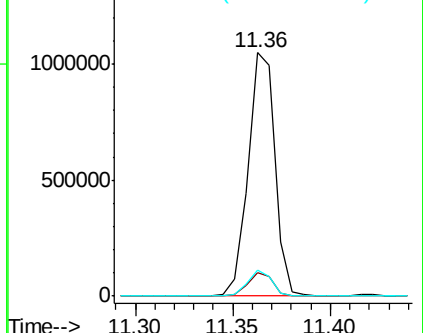
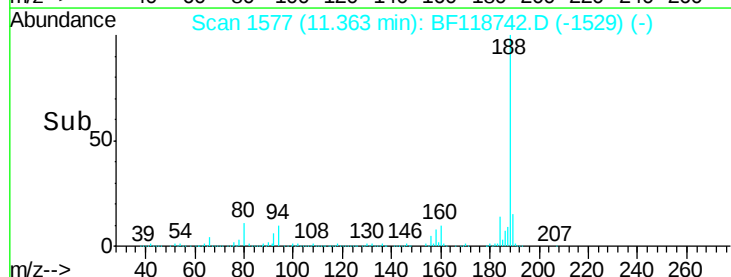
80 10.8 7.8 11.8



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

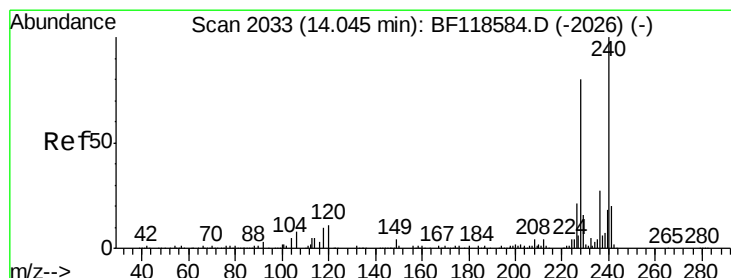
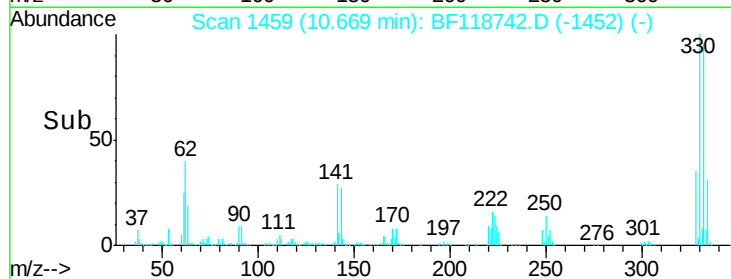
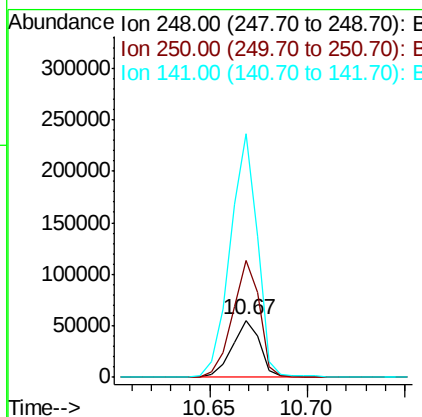
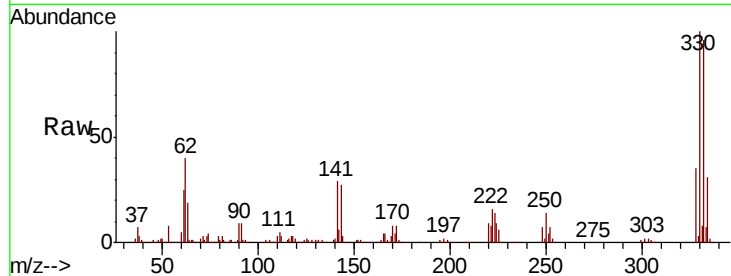




#67
 4-Bromophenyl-phenylether
 Concen: 4.380 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.26 min
 Lab File: BF118742.D
 Acq: 29 Jan 2020 20:12

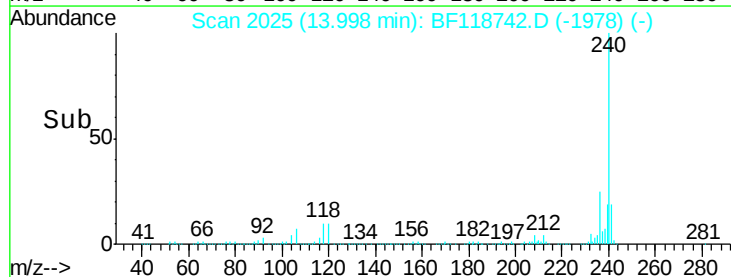
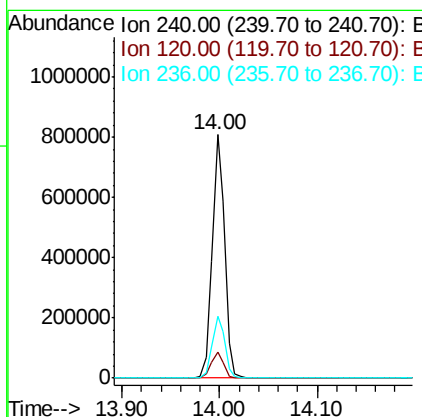
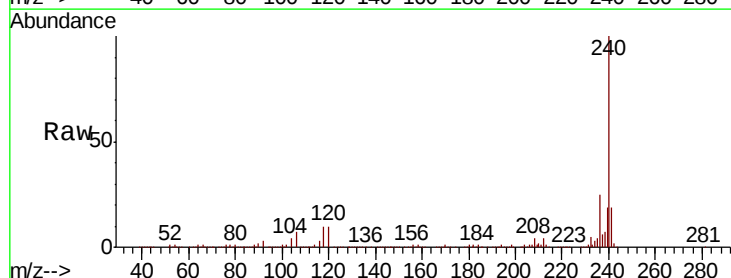
Instrument :
 BNA_F
 ClientSampleId :

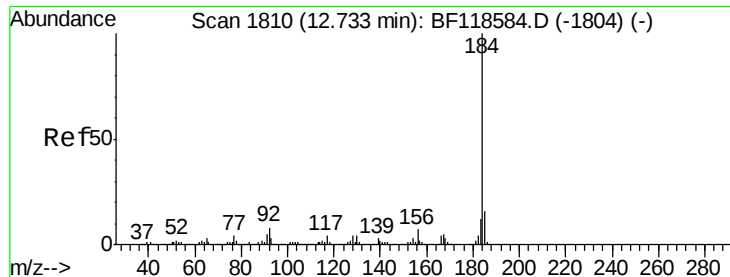
Tot Ion:248 Resp: 54106
 Ion Ratio Lower Upper
 248 100
 250 207.0 78.7 118.1#
 141 428.9 48.4 72.6#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.02 min
 Lab File: BF118742.D
 Acq: 29 Jan 2020 20:12

Tgt Ion:240 Resp: 707675
 Ion Ratio Lower Upper
 240 100
 120 10.5 7.6 11.4
 236 25.3 21.0 31.4





#77

Benzidine

Concen: 2.292 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.24 min

Lab File: BF118742.D

Acq: 29 Jan 2020 20:12

Instrument :

BNA_F

ClientSampleId :

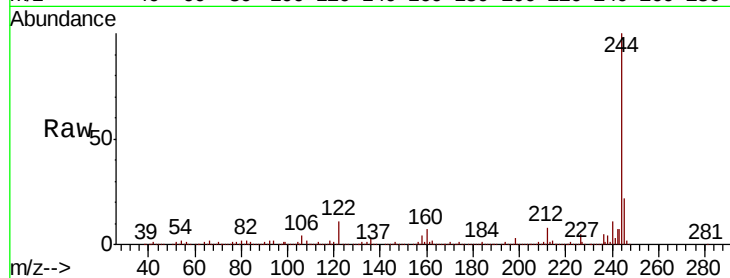
Tot Ion:184 Resp: 43336

Ion Ratio Lower Upper

184 100

185 16.8 11.8 17.8

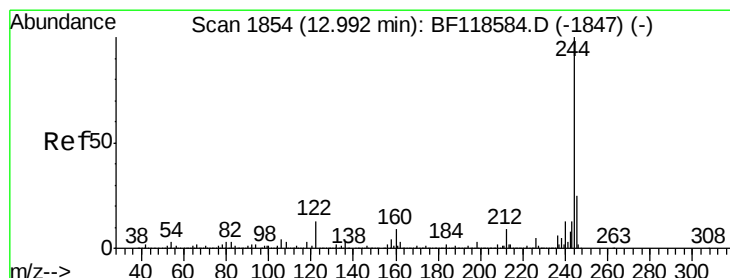
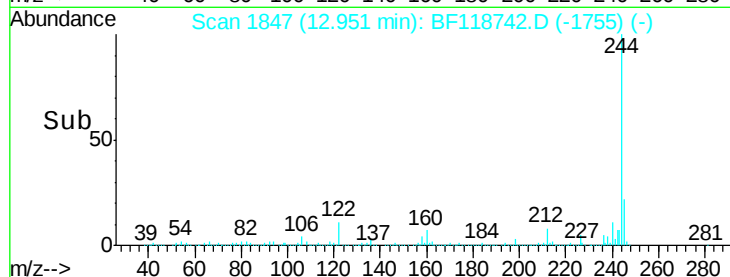
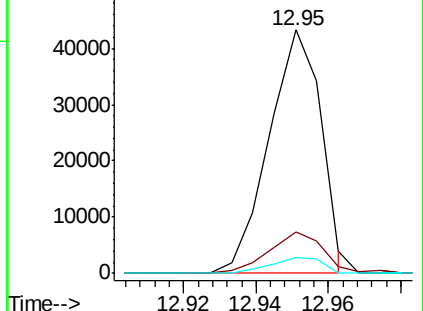
183 6.3 9.7 14.5#



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: 104.590 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF118742.D

Acq: 29 Jan 2020 20:12

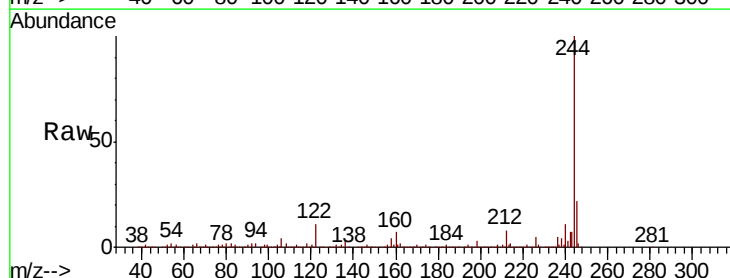
Tgt Ion:244 Resp: 3393524

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

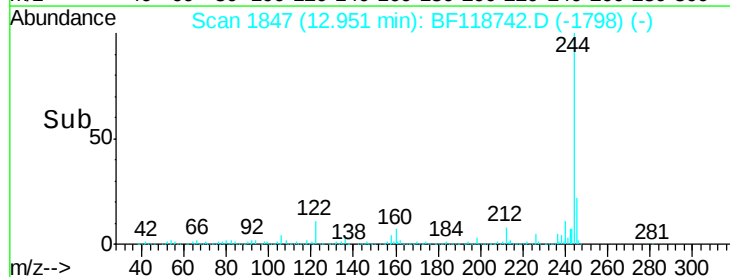
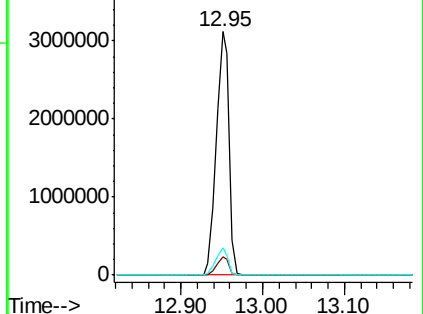
122 11.2 9.2 13.8

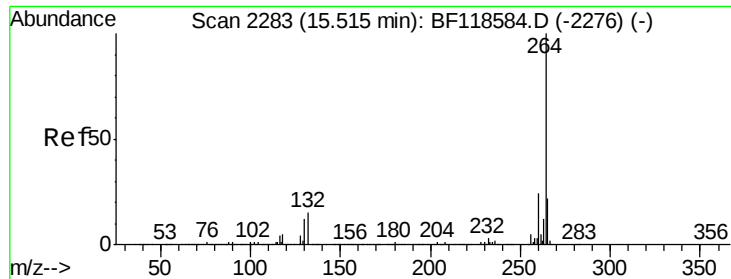


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.46 min Scan# 2273
Delta R.T. -0.02 min
Lab File: BF118742.D
Acq: 29 Jan 2020 20:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.9	17.0	25.6

