

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
 Data File : BF118761.D
 Acq On : 30 Jan 2020 19:47
 Operator : CG/JU
 Sample : L1313-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 30 22:10:02 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	6.84	152	268112	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	1022413	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	582587	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	1122824	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	900051	20.00	ng	-0.02
87) Perylene-d12	15.46	264	868232	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1362528	94.38	ng	-0.02
7) Phenol-d6	6.46	99	1699428	90.57	ng	-0.03
23) Nitrobenzene-d5	7.40	82	1095429	59.93	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	652852	96.89	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	2061639	58.16	ng	-0.02
79) Terphenyl-d14	12.95	244	2572290	62.33	ng	-0.01

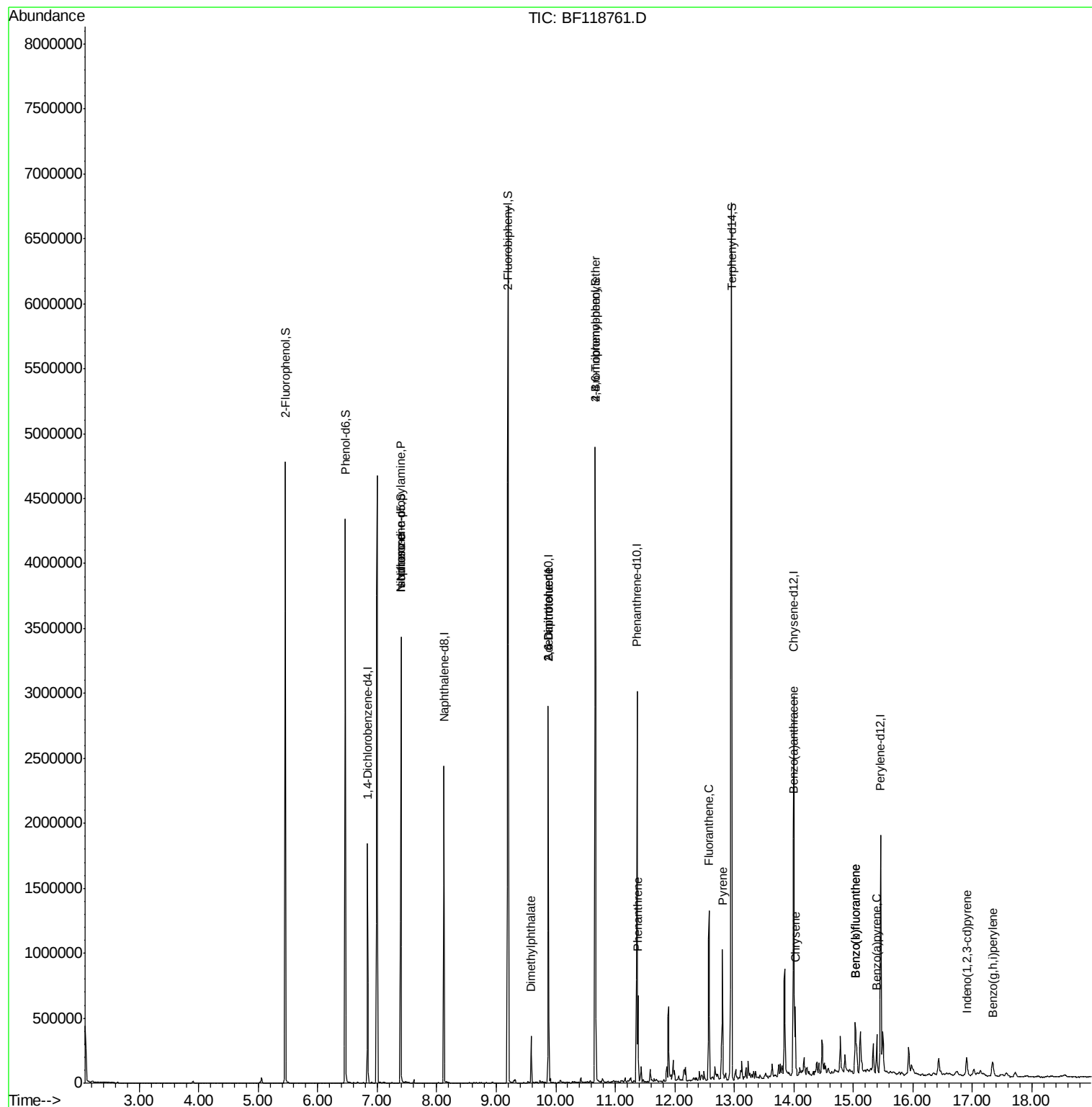
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	145852	11.512	ng	# 76
25) Isophorone	7.40	82	1095419	32.856	ng	# 63
50) Dimethylphthalate	9.59	163	131770	3.472	ng	99
51) 2,6-Dinitrotoluene	9.87	165	75469	8.879	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	75469	7.043	ng	# 30
67) 4-Bromophenyl-phenylether	10.66	248	41625	3.001	ng	# 1
71) Phenanthrene	11.39	178	262346	4.843	ng	96
75) Fluoranthene	12.57	202	515813	9.028	ng	97
78) Pyrene	12.80	202	430320	7.042	ng	97
81) Benzo(a)anthracene	13.99	228	194792	3.598	ng	99
83) Chrysene	14.02	228	201155	3.877	ng	97
86) Indeno(1,2,3-cd)pyrene	16.90	276	102280	2.268	ng	97
88) Benzo(b)fluoranthene	15.03	252	309273	5.667	ng	99
89) Benzo(k)fluoranthene	15.03	252	309273	6.117	ng	99
90) Benzo(a)pyrene	15.39	252	150070	3.188	ng	98
92) Benzo(g,h,i)perylene	17.34	276	96765	2.393	ng	97

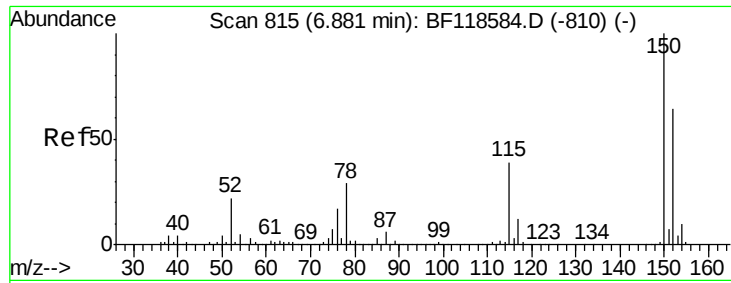
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118761.D
Acq On : 30 Jan 2020 19:47
Operator : CG/JU
Sample : L1313-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 30 22:10:02 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



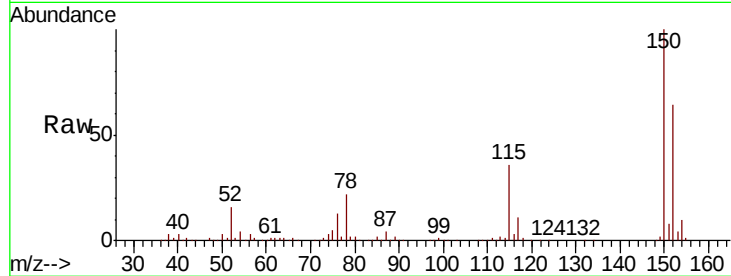


#1

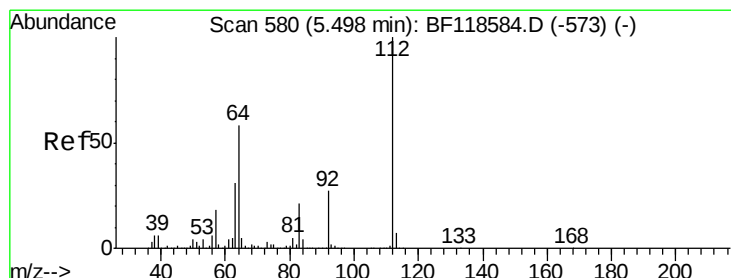
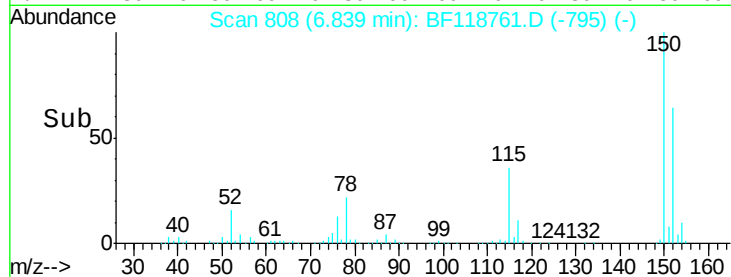
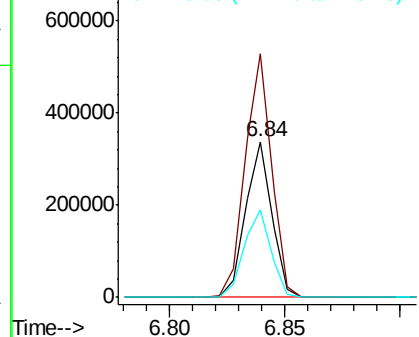
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.02 min
Lab File: BF118761.D
Acq: 30 Jan 2020 19:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 268112
Ion Ratio Lower Upper
152 100
150 156.5 123.7 185.5
115 56.1 45.1 67.7



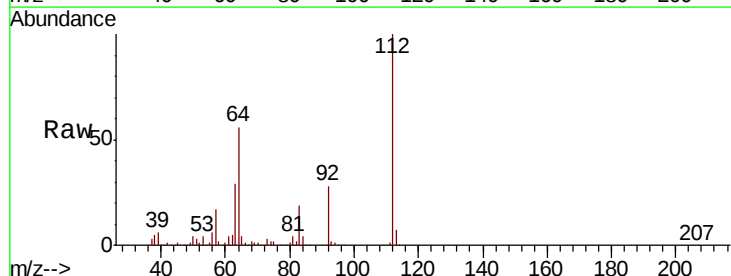
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



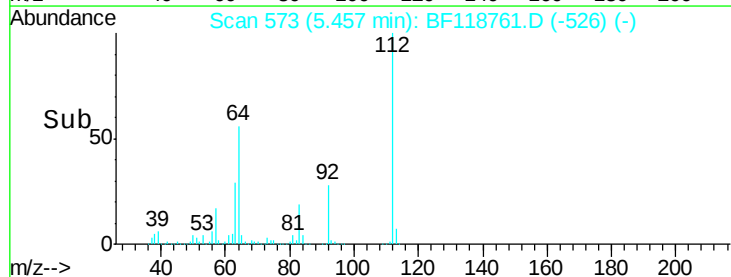
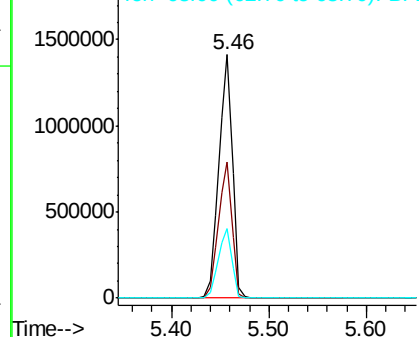
#5

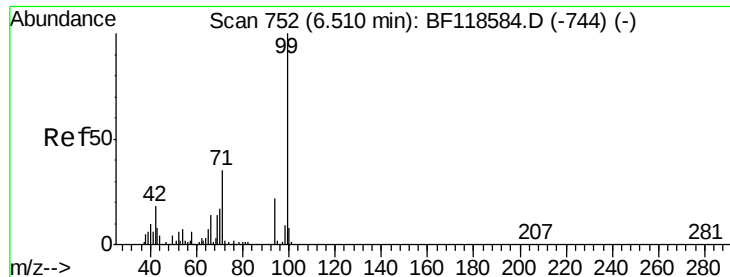
2-Fluorophenol
Concen: 94.384 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF118761.D
Acq: 30 Jan 2020 19:47

Tgt Ion:112 Resp: 1362528
Ion Ratio Lower Upper
112 100
64 55.6 42.4 63.6
63 28.7 21.7 32.5



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: 90.573 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.03 min

Lab File: BF118761.D

Acq: 30 Jan 2020 19:47

Instrument :

BNA_F

ClientSampleId :

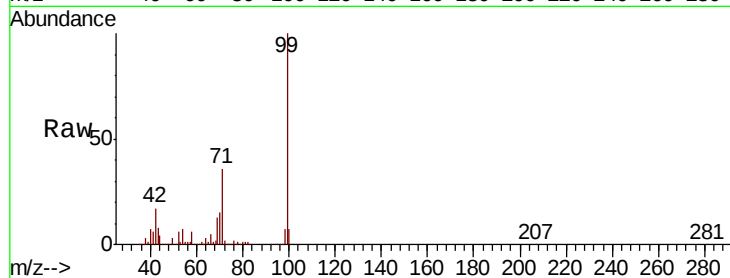
Tot Ion: 99 Resp: 1699428

Ion Ratio Lower Upper

99 100

42 16.9 13.1 19.7

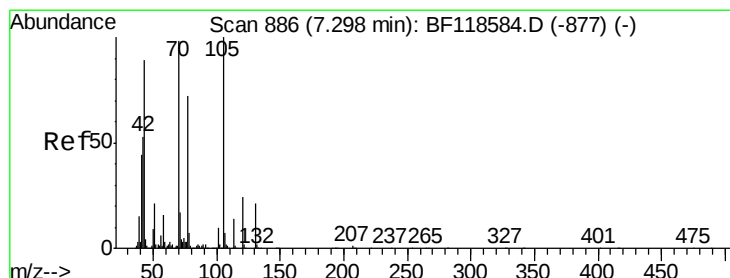
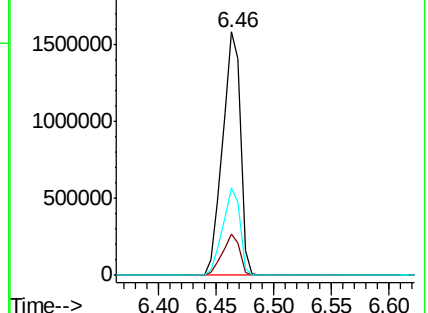
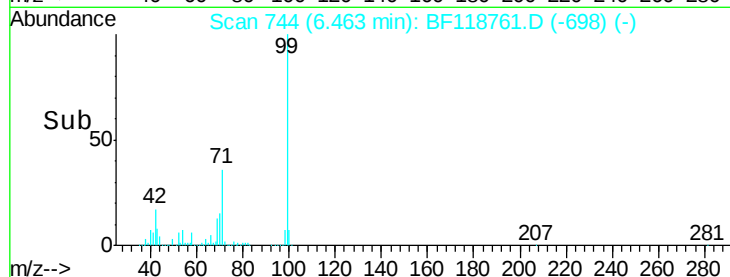
71 35.9 28.4 42.6



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: 11.512 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.12 min

Lab File: BF118761.D

Acq: 30 Jan 2020 19:47

Tgt Ion: 70 Resp: 145852

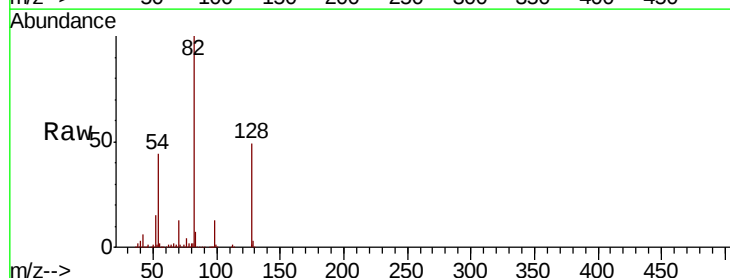
Ion Ratio Lower Upper

70 100

42 41.3 41.6 62.4#

101 0.0 7.9 11.9#

130 2.2 19.0 28.6#

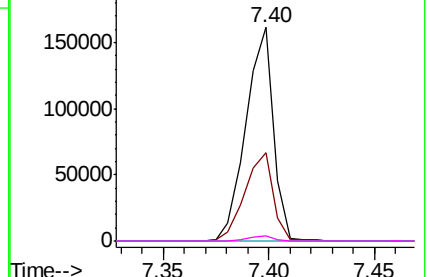
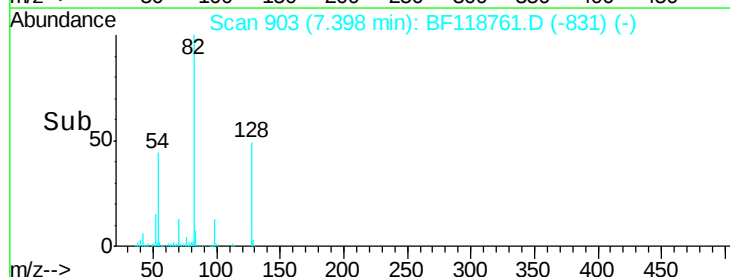


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

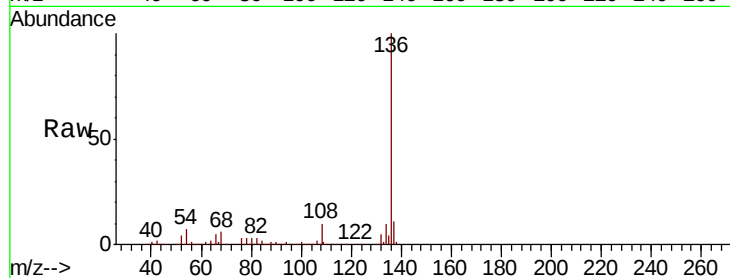




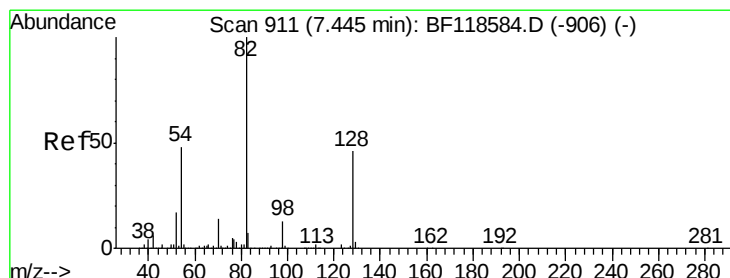
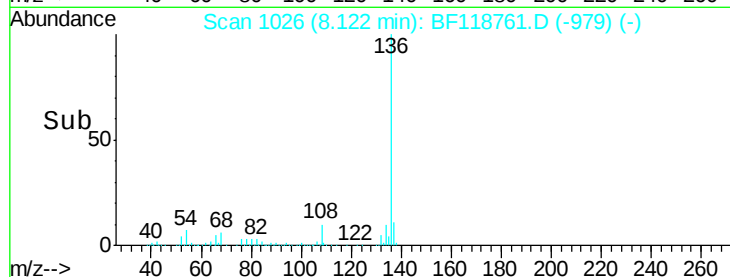
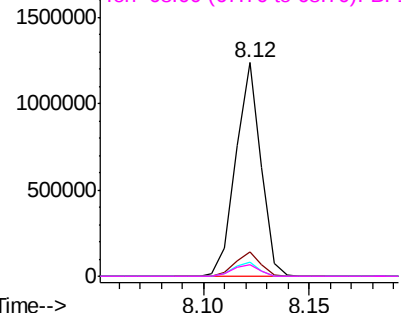
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.02 min
Lab File: BF118761.D
Acq: 30 Jan 2020 19:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 1022413
Ion Ratio	Lower Upper
136 100	
137 11.2	8.9 13.3
54 6.6	5.1 7.7
68 5.7	4.3 6.5

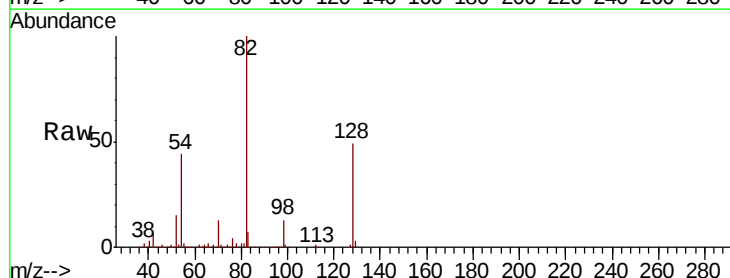


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

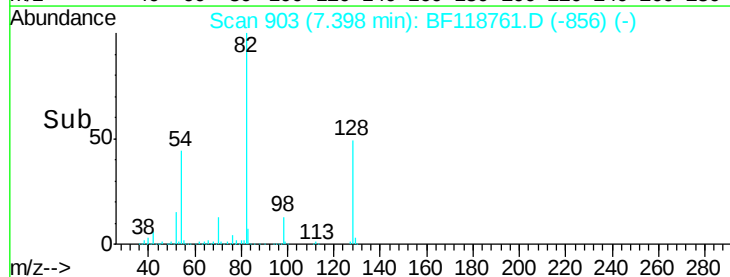
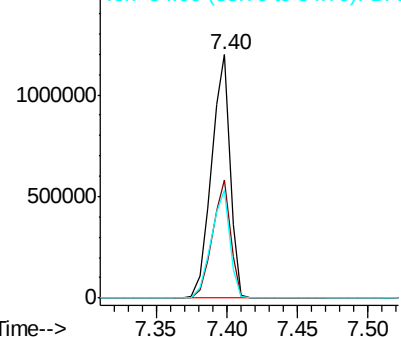


#23
Nitrobenzene-d5
Concen: 59.929 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF118761.D
Acq: 30 Jan 2020 19:47

Tgt Ion: 82	Ratio	Resp: 1095429	
82	100	Lower	Upper
128	48.8	38.2	57.2
54	44.1	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: 32.856 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF118761.D

Acq: 30 Jan 2020 19:47

Instrument :

BNA_F

ClientSampleId :

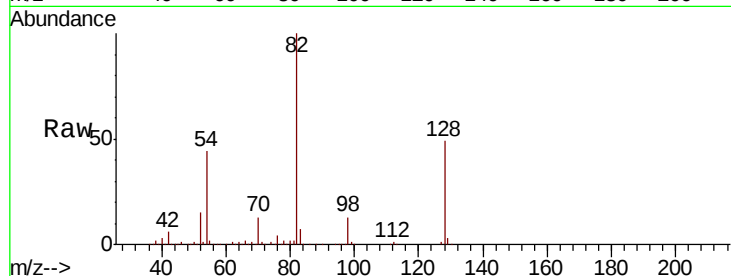
Tot Ion: 82 Resp: 1095419

Ion Ratio Lower Upper

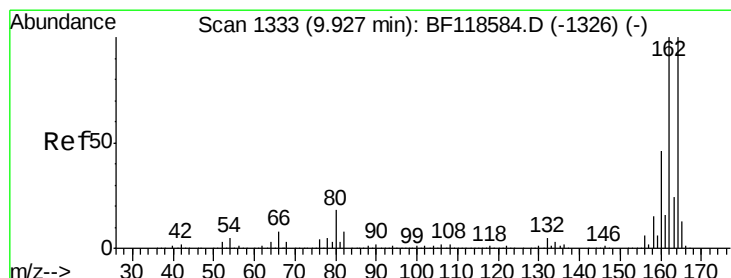
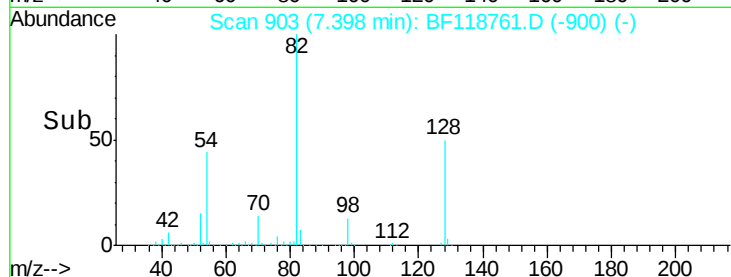
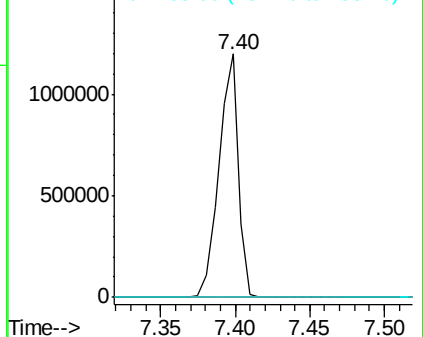
82 100

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: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF118761.D

Acq: 30 Jan 2020 19:47

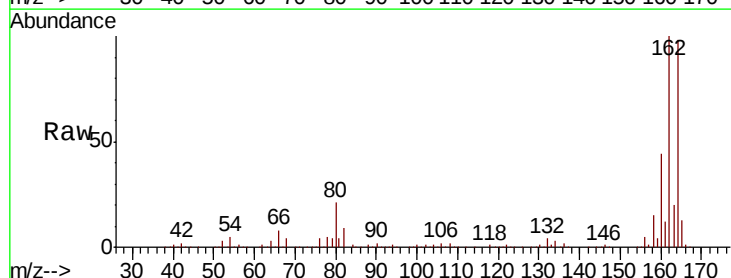
Tgt Ion:164 Resp: 582587

Ion Ratio Lower Upper

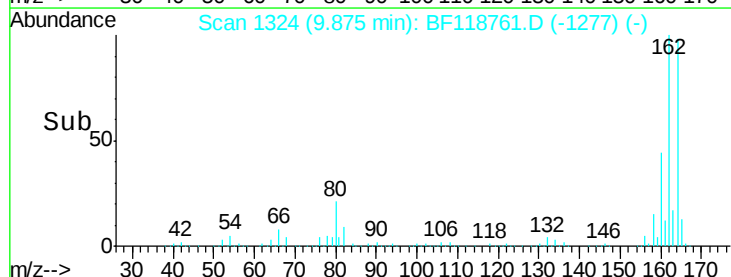
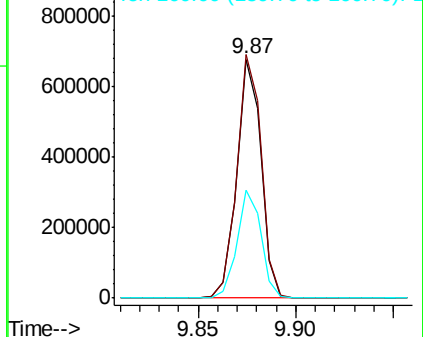
164 100

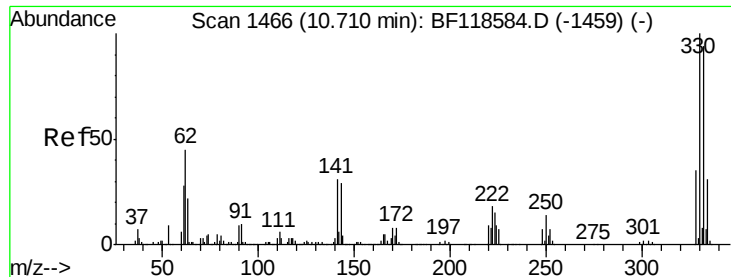
162 101.9 80.8 121.2

160 44.9 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

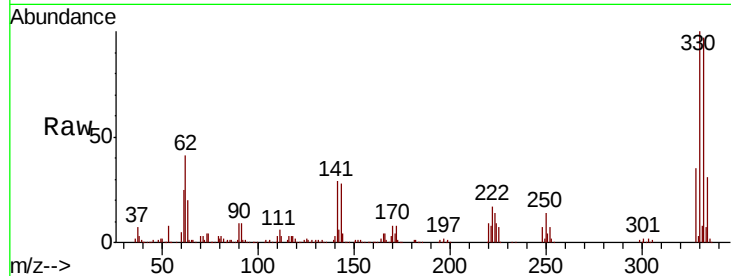




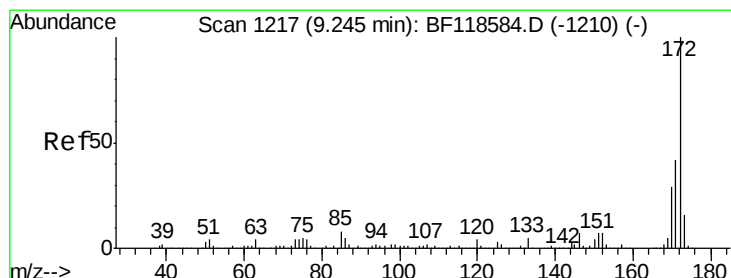
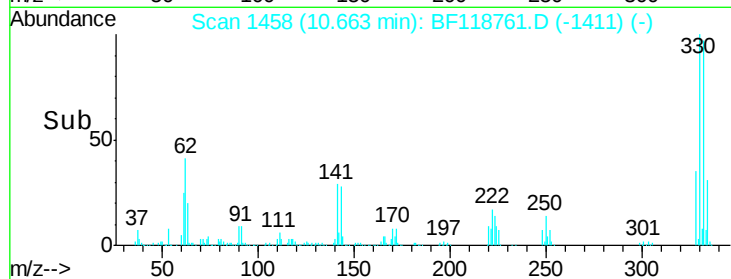
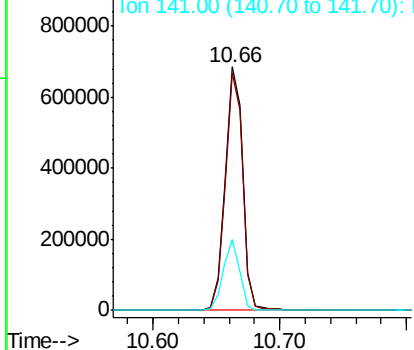
#42
 2,4,6-Tribromophenol
 Concen: 96.886 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF118761.D
 Acq: 30 Jan 2020 19:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 652852
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.6 116.4
 141 27.6 22.2 33.2

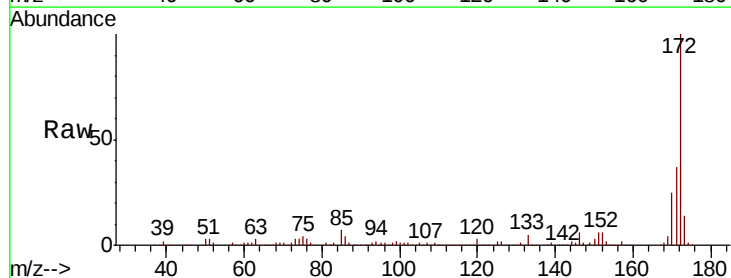


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

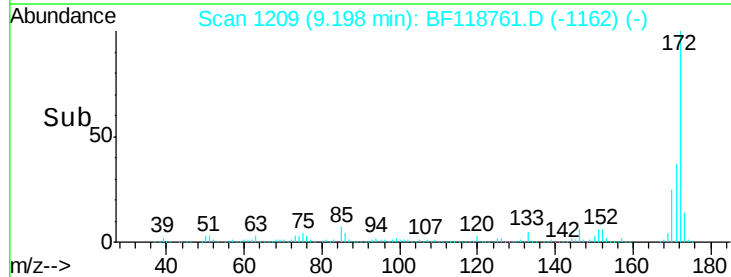
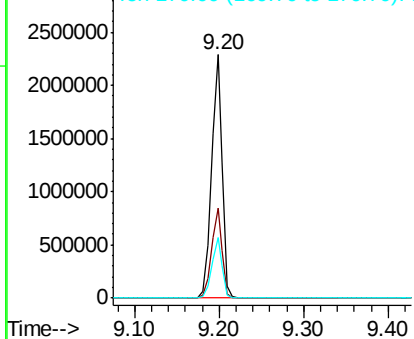


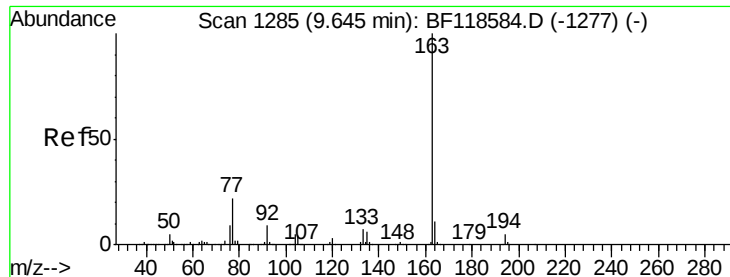
#45
 2-Fluorobiphenyl
 Concen: 58.164 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: BF118761.D
 Acq: 30 Jan 2020 19:47

Tgt Ion:172 Resp: 2061639
 Ion Ratio Lower Upper
 172 100
 171 37.0 31.0 46.4
 170 24.7 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

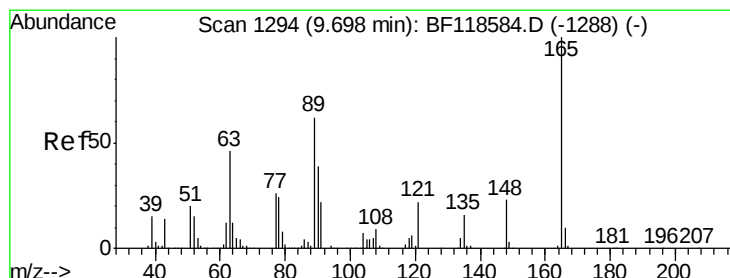
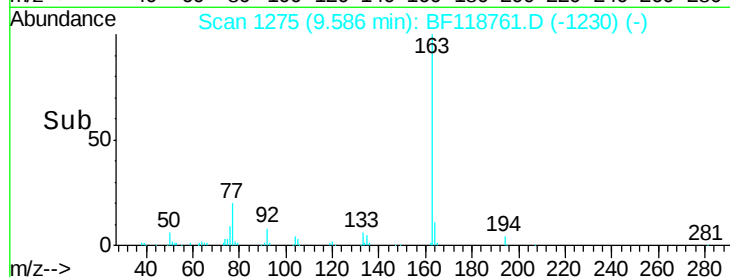
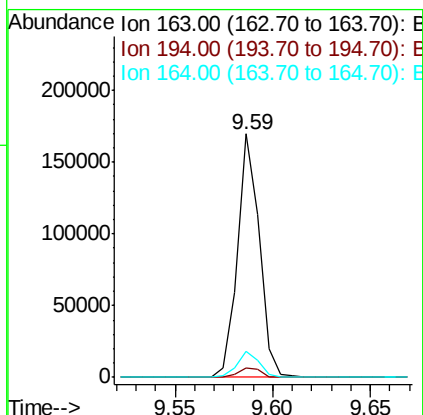
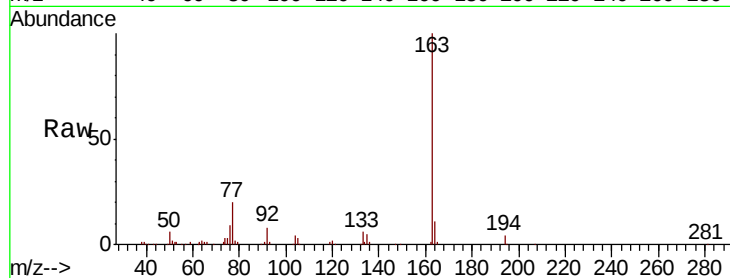




#50
Dimethylphthalate
Concen: 3.472 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.04 min
Lab File: BF118761.D
Acq: 30 Jan 2020 19:47

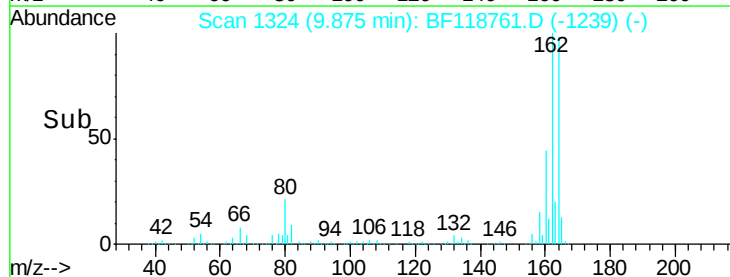
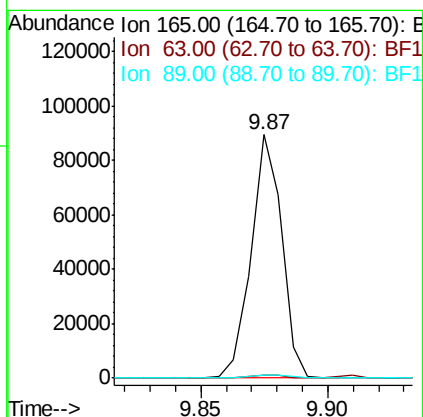
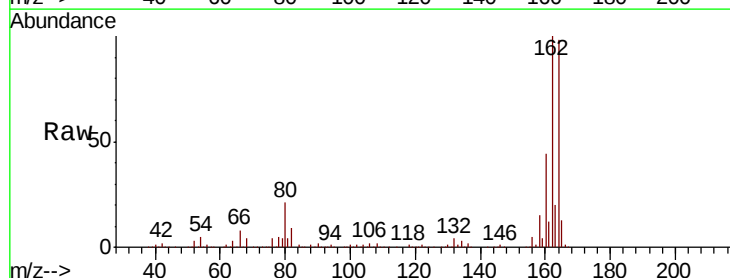
Instrument :
BNA_F
ClientSampleId :

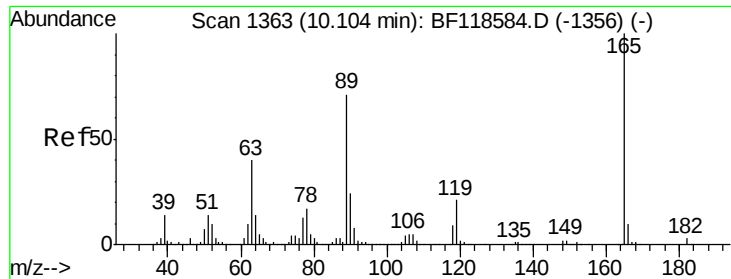
Tot Ion:163 Resp: 131770
Ion Ratio Lower Upper
163 100
194 4.1 3.7 5.5
164 10.5 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 8.879 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.20 min
Lab File: BF118761.D
Acq: 30 Jan 2020 19:47

Tgt Ion:165 Resp: 75469
Ion Ratio Lower Upper
165 100
63 1.3 39.8 59.6#
89 1.1 41.4 62.2#

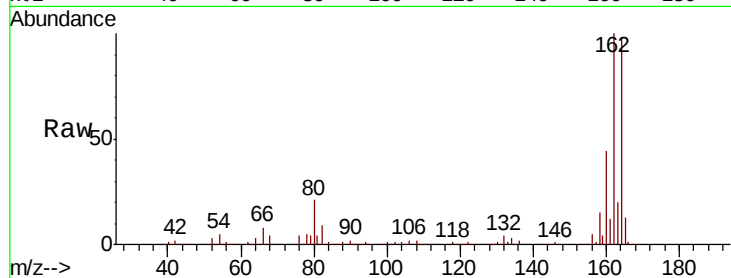




#57
 2,4-Dinitrotoluene
 Concen: 7.043 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF118761.D
 Acq: 30 Jan 2020 19:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	28.5	42.7#
89	1.1	50.4	75.6#
182	0.0	2.3	3.5#

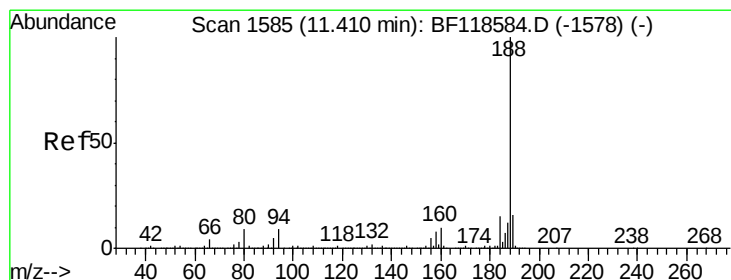
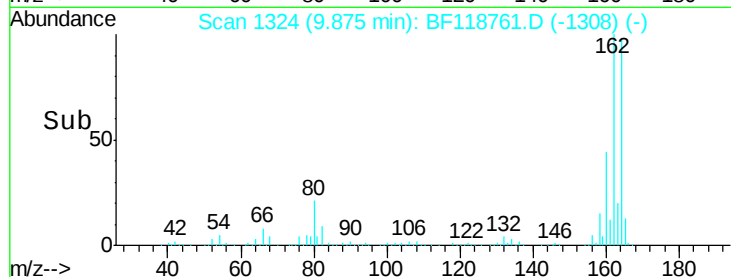
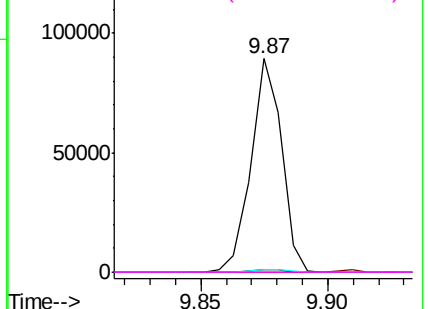


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

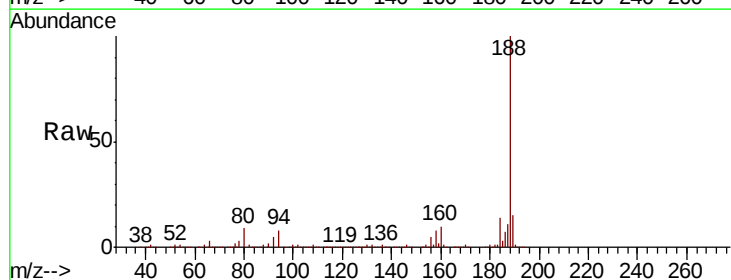
Ion 89.00 (88.70 to 89.70): BF1

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: BF118761.D
 Acq: 30 Jan 2020 19:47

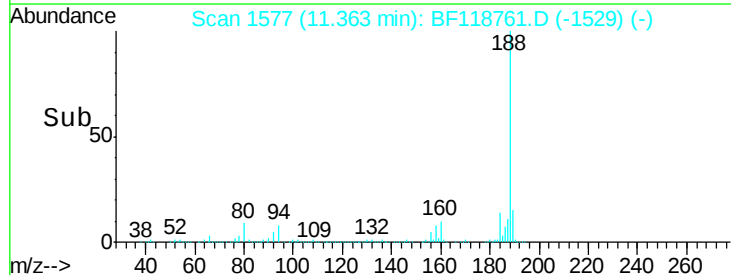
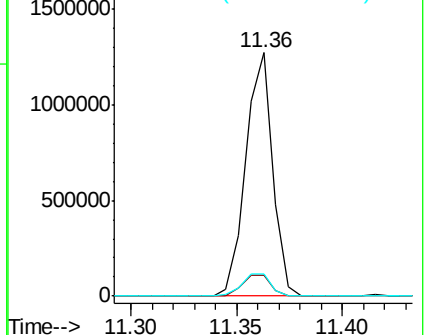
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.4	11.2
80	9.1	7.8	11.8



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

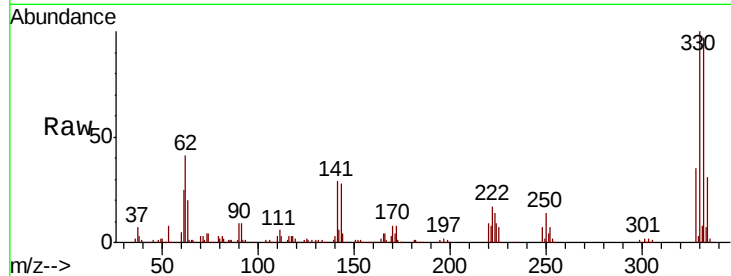




#67
 4-Bromophenyl-phenylether
 Concen: 3.001 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.26 min
 Lab File: BF118761.D
 Acq: 30 Jan 2020 19:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	197.9	78.7	118.1#
141	423.0	48.4	72.6#

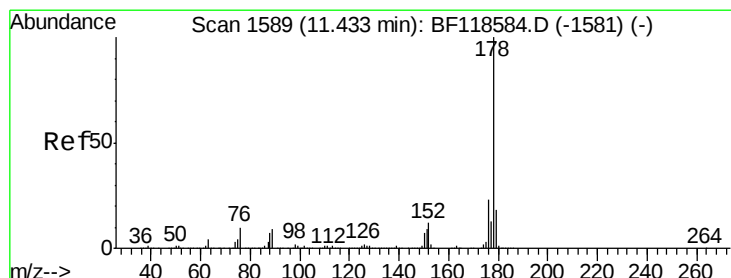
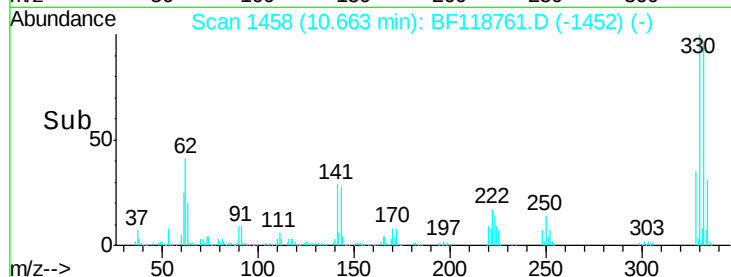
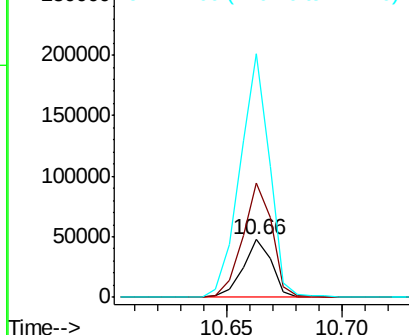


Abundance

Ion 248.00 (247.70 to 248.70): E

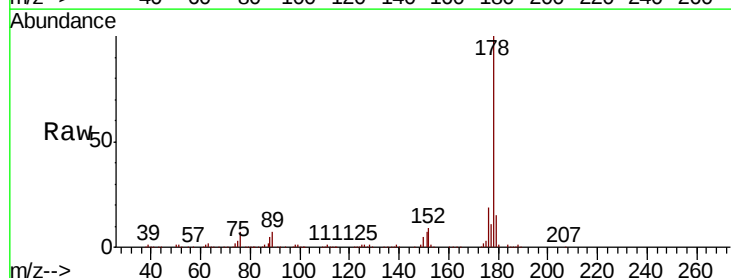
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 4.843 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.02 min
 Lab File: BF118761.D
 Acq: 30 Jan 2020 19:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.5	24.7
179	14.9	13.3	19.9

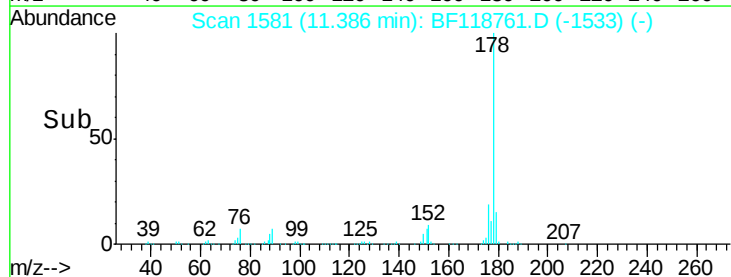
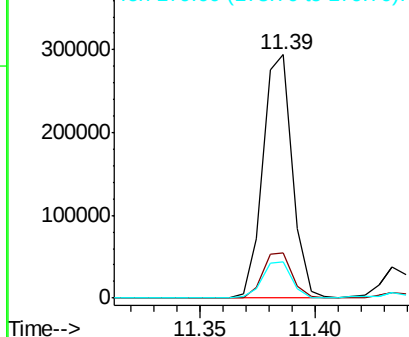


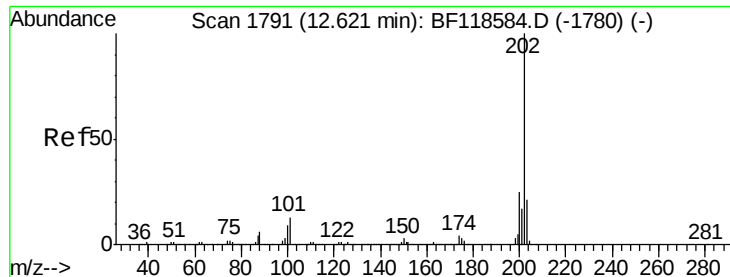
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 9.028 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.02 min

Lab File: BF118761.D

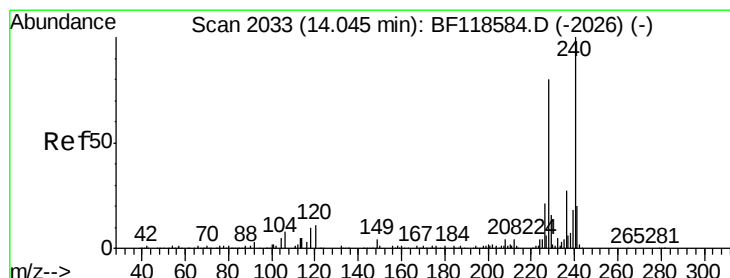
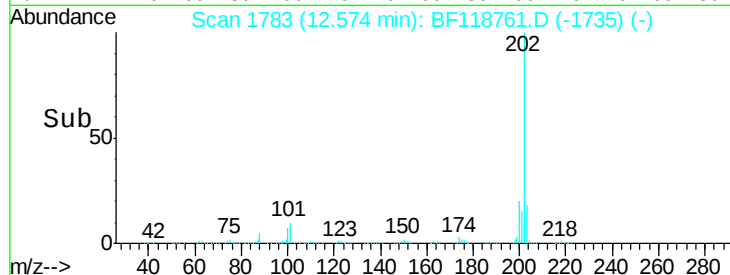
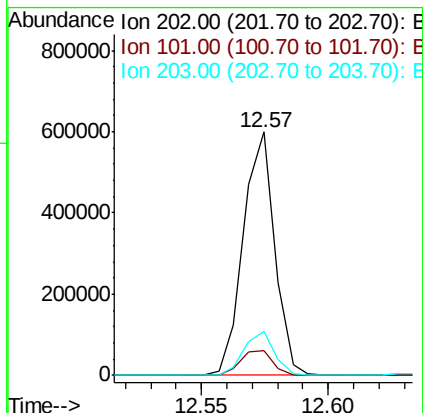
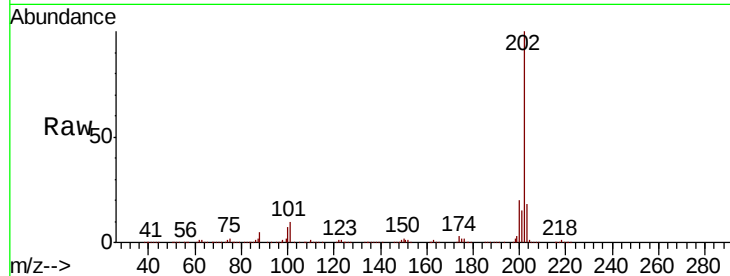
Acq: 30 Jan 2020 19:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	515813
Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	32.1
203	17.9	0.0	38.9



#76

Chrysene-d12

Concen: 20.000 ng

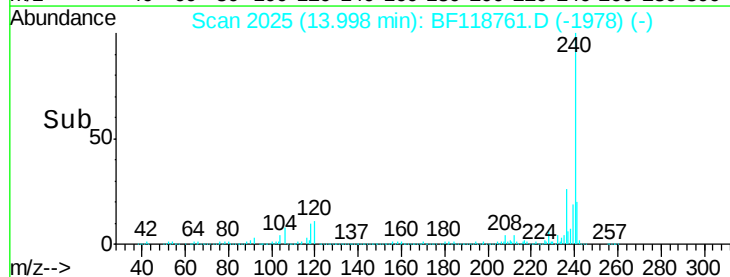
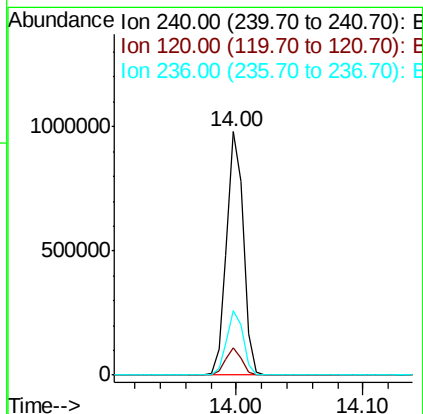
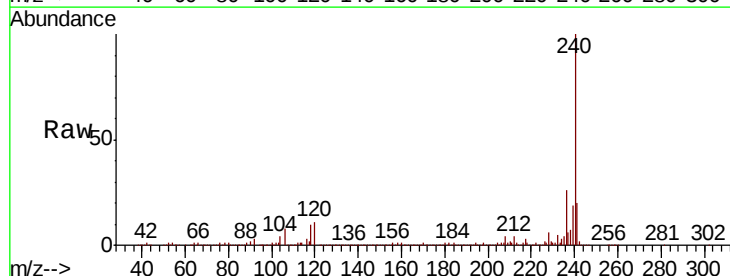
RT: 14.00 min Scan# 2025

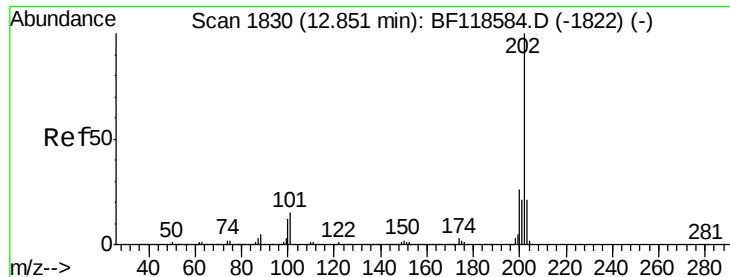
Delta R.T. -0.02 min

Lab File: BF118761.D

Acq: 30 Jan 2020 19:47

Tgt Ion:	240	Resp:	900051
Ion	Ratio	Lower	Upper
240	100		
120	11.0	7.6	11.4
236	26.2	21.0	31.4

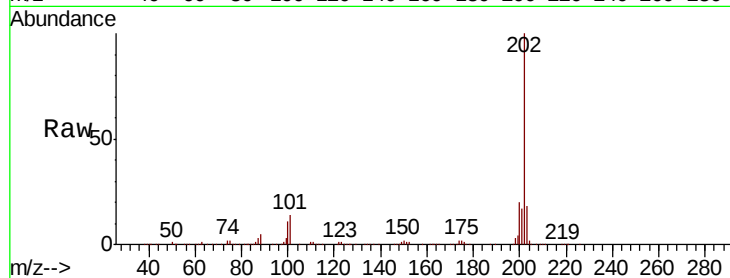




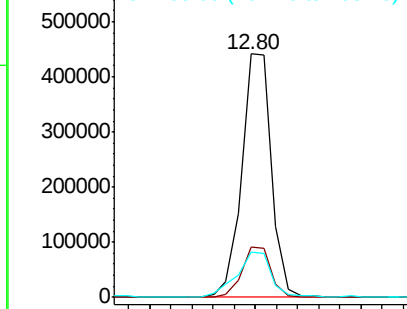
#78
Pvrene
Concen: 7.042 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF118761.D
Acq: 30 Jan 2020 19:47

Instrument :
BNA_F
ClientSampleId :

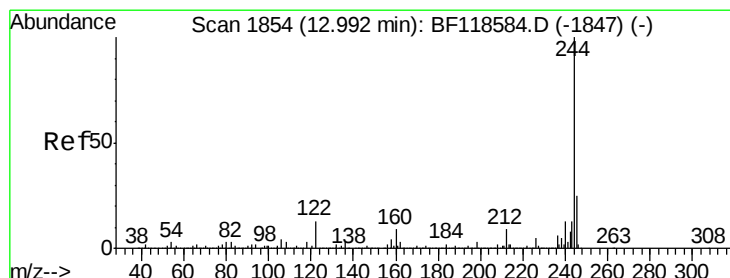
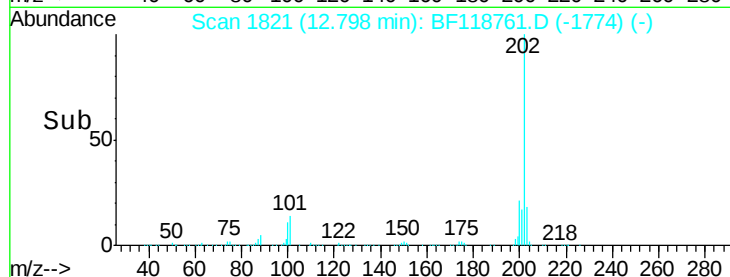
Tot Ion:202 Resp: 430320
Ion Ratio Lower Upper
202 100
200 20.5 18.1 27.1
203 18.5 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

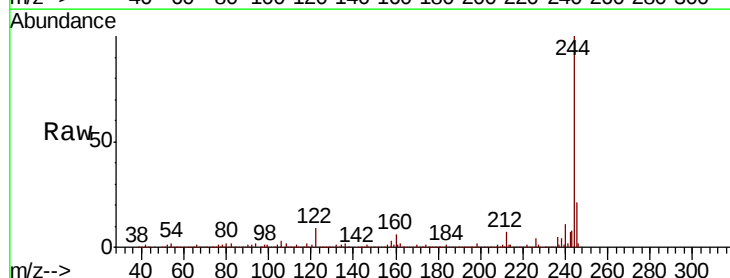


Time-->

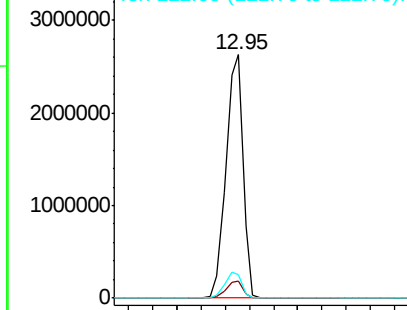


#79
Terphenyl-d14
Concen: 62.334 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF118761.D
Acq: 30 Jan 2020 19:47

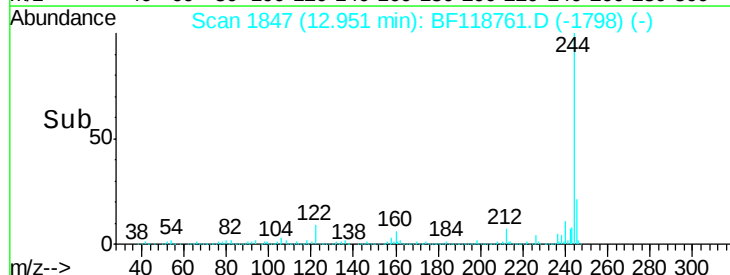
Tgt Ion:244 Resp: 2572290
Ion Ratio Lower Upper
244 100
212 7.0 6.3 9.5
122 9.5 9.2 13.8

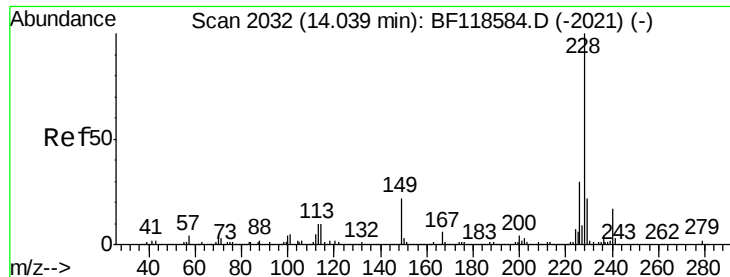


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->

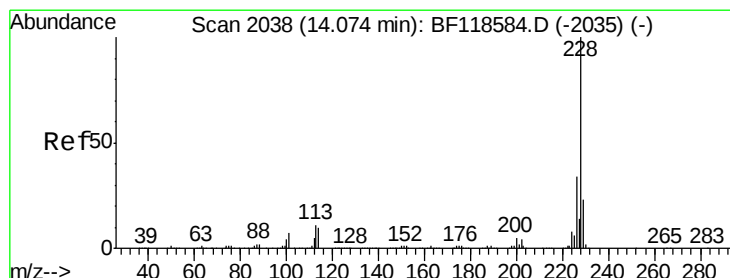
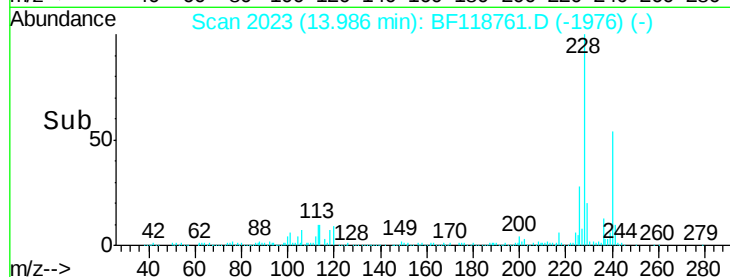
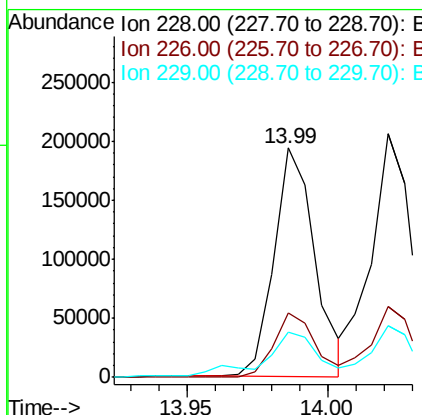
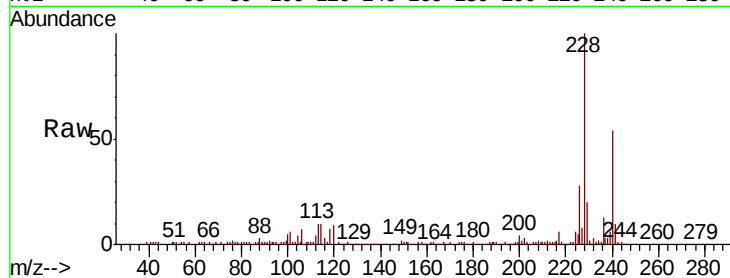




#81
Benzo(a)anthracene
Concen: 3.598 ng
RT: 13.99 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF118761.D
Acq: 30 Jan 2020 19:47

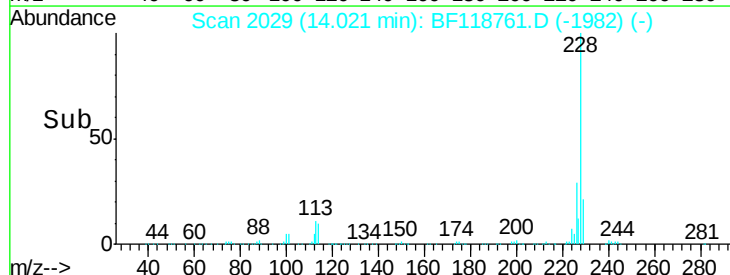
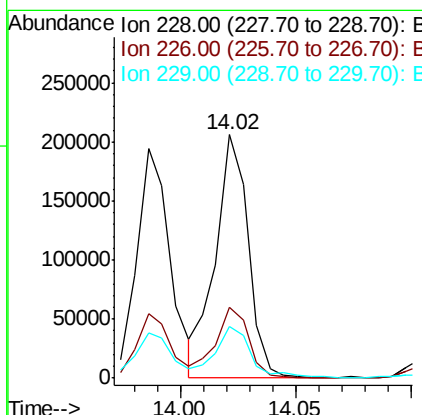
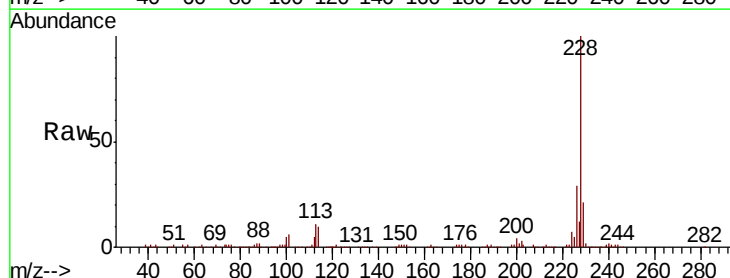
Instrument :
BNA_F
ClientSampled :

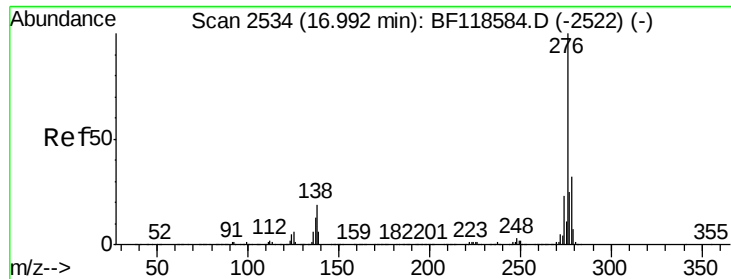
Tot Ion:228 Resp: 194792
Ion Ratio Lower Upper
228 100
226 28.1 22.6 34.0
229 20.0 16.6 25.0



#83
Chrysene
Concen: 3.877 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF118761.D
Acq: 30 Jan 2020 19:47

Tgt Ion:228 Resp: 201155
Ion Ratio Lower Upper
228 100
226 29.3 25.6 38.4
229 21.4 17.1 25.7

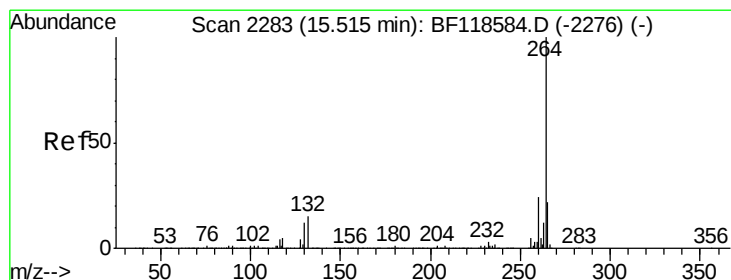
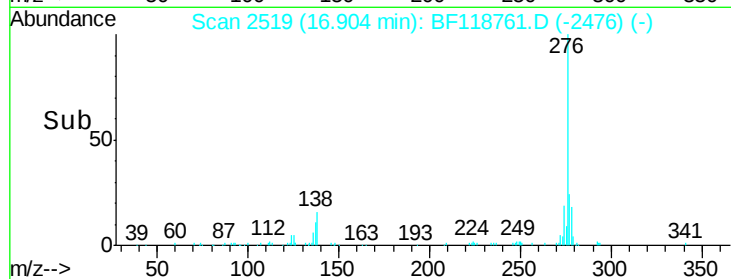
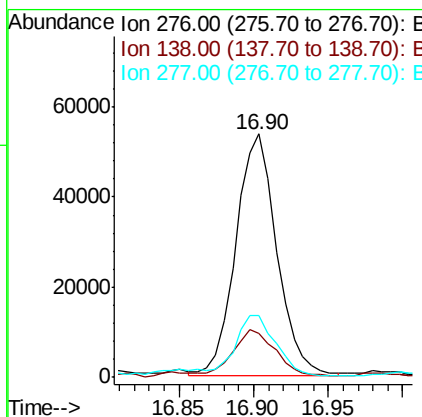
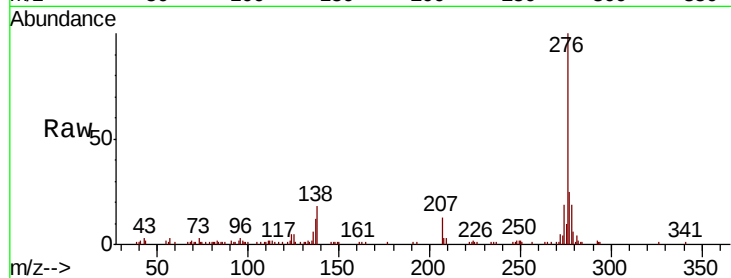




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.268 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.05 min
 Lab File: BF118761.D
 Acq: 30 Jan 2020 19:47

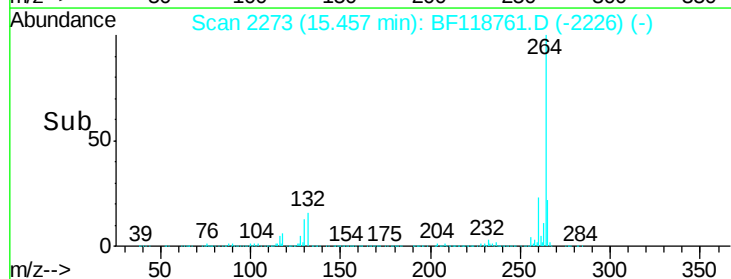
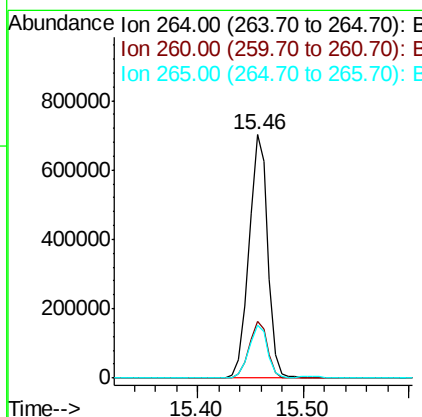
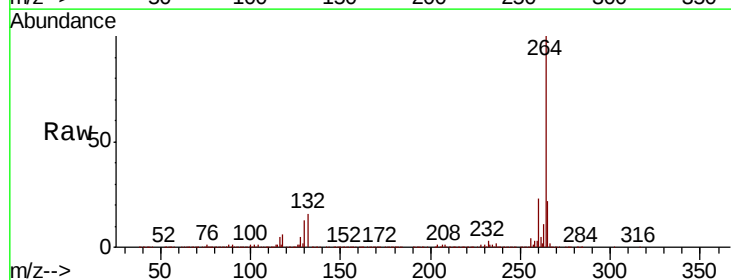
Instrument :
 BNA_F
 ClientSampleId :

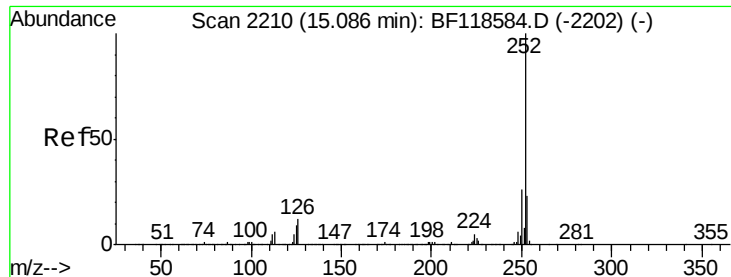
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	18.2	27.4
277	24.6	20.4	30.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. -0.02 min
 Lab File: BF118761.D
 Acq: 30 Jan 2020 19:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.9	17.0	25.6

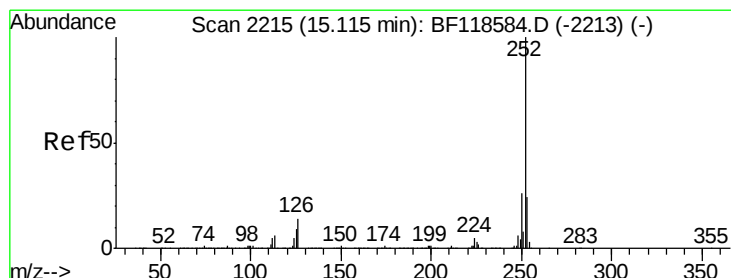
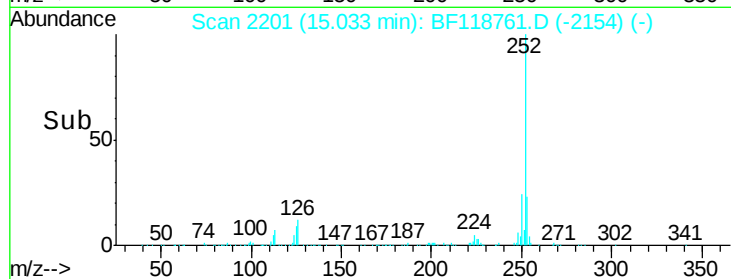
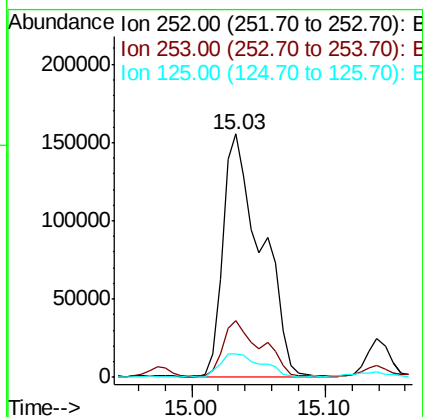
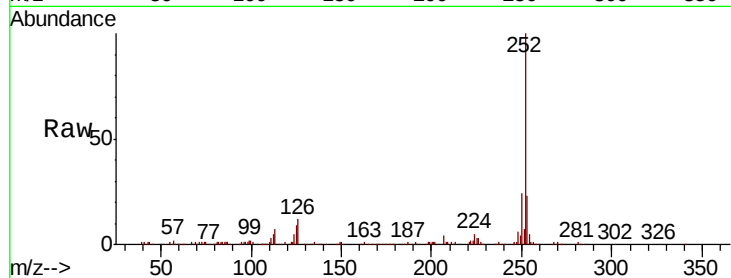




#88
Benzo(b)fluoranthene
Concen: 5.667 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF118761.D
Acq: 30 Jan 2020 19:47

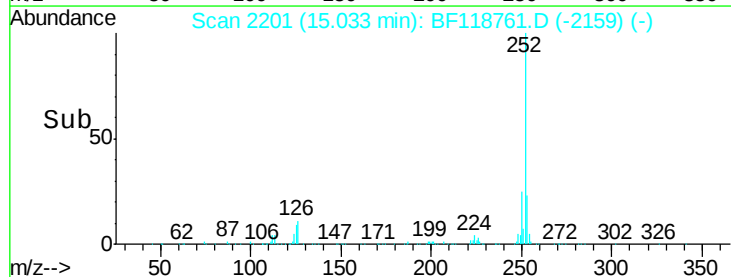
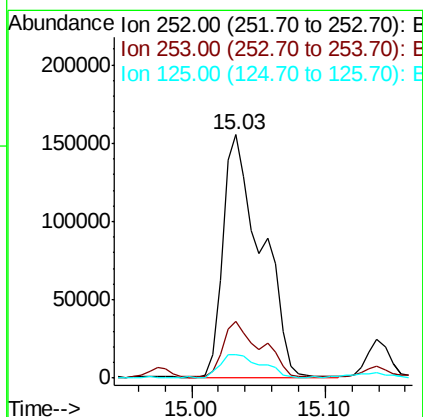
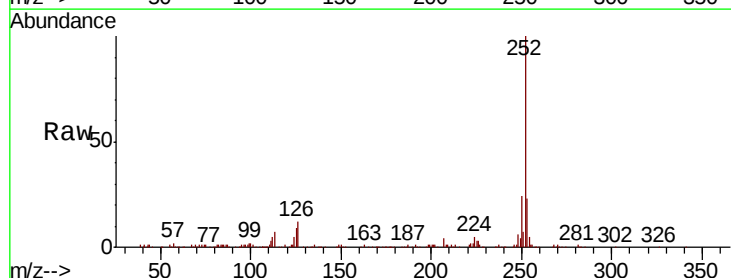
Instrument :
BNA_F
ClientSampleId :

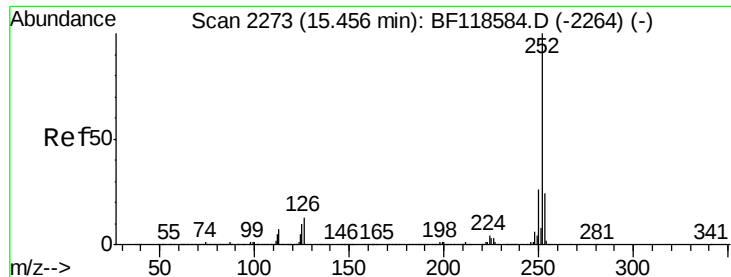
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	9.5	7.7	11.5



#89
Benzo(k)fluoranthene
Concen: 6.117 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.05 min
Lab File: BF118761.D
Acq: 30 Jan 2020 19:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	9.5	8.1	12.1

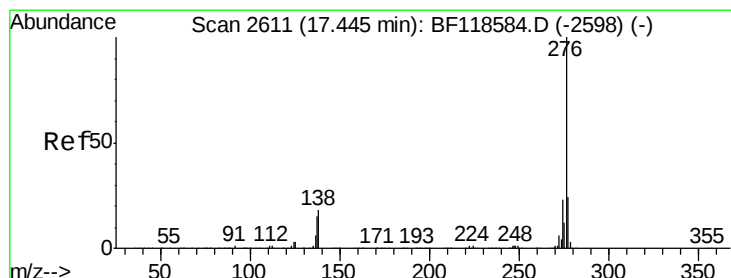
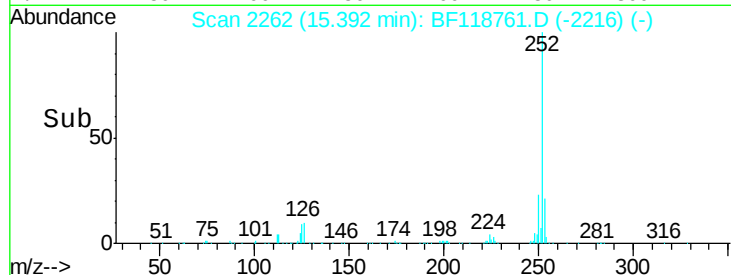
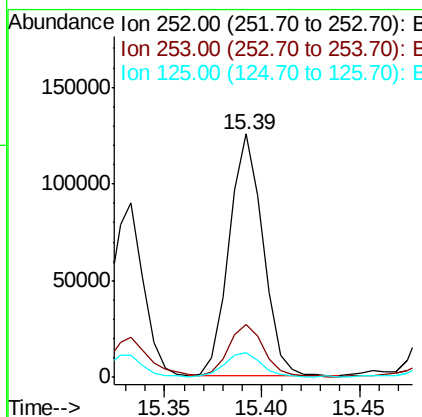
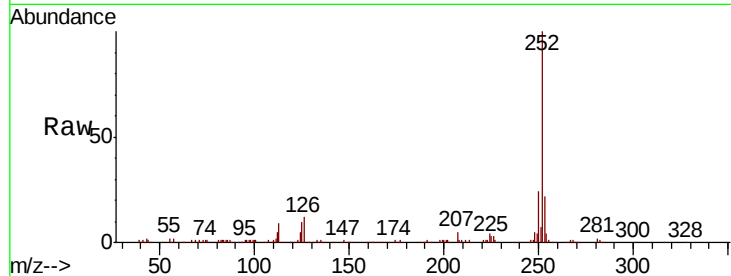




#90
Benzo(a)pyrene
Concen: 3.188 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.03 min
Lab File: BF118761.D
Acq: 30 Jan 2020 19:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 150070
Ion Ratio Lower Upper
252 100
253 21.6 18.2 27.4
125 10.2 8.3 12.5



#92
Benzo(g,h,i)perylene
Concen: 2.393 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.05 min
Lab File: BF118761.D
Acq: 30 Jan 2020 19:47

Tgt Ion:276 Resp: 96765
Ion Ratio Lower Upper
276 100
277 24.3 19.0 28.6
138 21.8 15.4 23.2

