

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
 Data File : BF120863.D
 Acq On : 14 Jul 2020 16:18
 Operator : JU/CG
 Sample : L3282-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 14 16:40:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 14:16:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	204479	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	786889	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	410022	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	767091	20.00	ng	0.00
76) Chrysene-d12	13.99	240	606161	20.00	ng	-0.02
86) Perylene-d12	15.44	264	497934	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	701401	52.95	ng	0.00
7) Phenol-d6	6.45	99	1053095	62.25	ng	-0.01
23) Nitrobenzene-d5	7.39	82	714190	52.58	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	171324	41.59	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1308641	48.29	ng	0.00
79) Terphenyl-d14	12.94	244	1293826	41.79	ng	0.00

Target Compounds

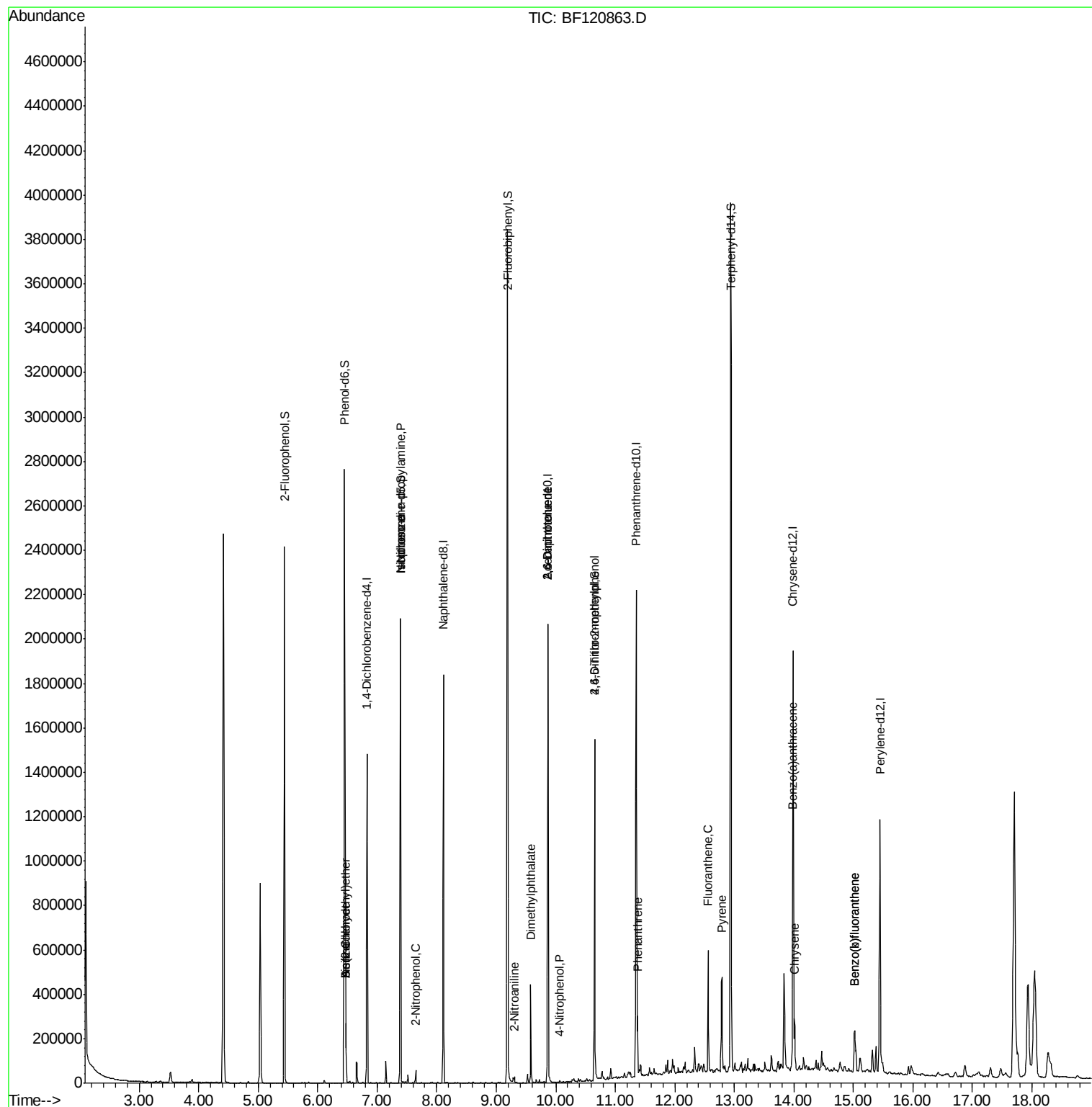
						Qvalue
6) Aniline	6.47	93	52011	2.394	ng	# 51
9) Benzaldehyde	6.47	77	22476	2.234	ng	# 6
11) bis(2-Chloroethyl)ether	6.47	93	52011	3.673	ng	# 22
19) n-Nitroso-di-n-propylamine	7.39	70	95016	9.329	ng	# 73
25) Isophorone	7.39	82	711796	24.302	ng	# 64
26) 2-Nitrophenol	7.65	139	304	4.012	ng	# 44
48) 2-Nitroaniline	9.30	65	125	2.634	ng	# 5
50) Dimethylphthalate	9.58	163	161121	5.387	ng	98
51) 2,6-Dinitrotoluene	9.87	165	52538	10.696	ng	# 17
56) 4-Nitrophenol	10.07	139	795	2.232	ng	# 5
57) 2,4-Dinitrotoluene	9.87	165	52538	9.715	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.65	198	174	7.054	ng	# 1
71) Phenanthrene	11.37	178	85946	2.065	ng	97
75) Fluoranthene	12.56	202	201704	4.549	ng	97
78) Pyrene	12.79	202	181936	3.758	ng	97
81) Benzo(a)anthracene	13.97	228	87491	2.252	ng	98
83) Chrysene	14.01	228	88575	2.235	ng	96
88) Benzo(b)fluoranthene	15.02	252	135554	4.141	ng	98
89) Benzo(k)fluoranthene	15.02	252	135554	4.256	ng	98

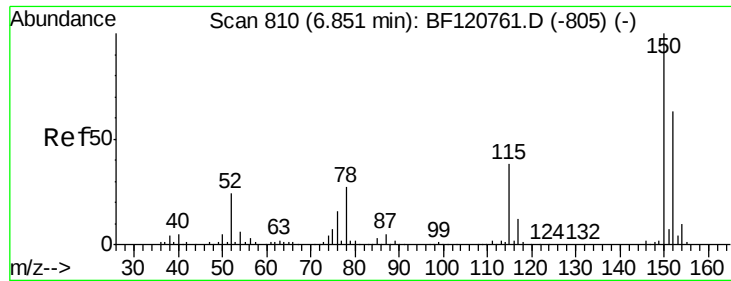
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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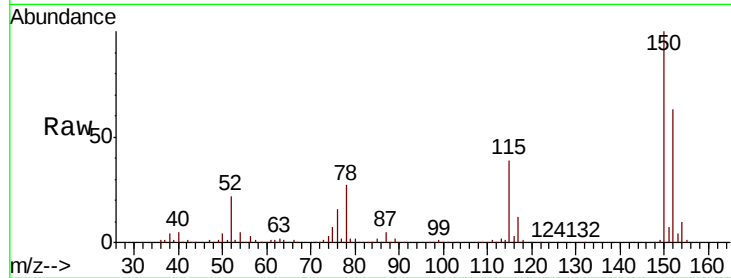


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF120863.D
Acq: 14 Jul 2020 16:18

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.1	189.1
115	61.4	48.5	72.7

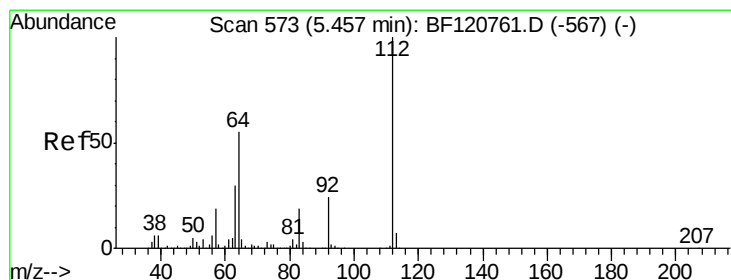
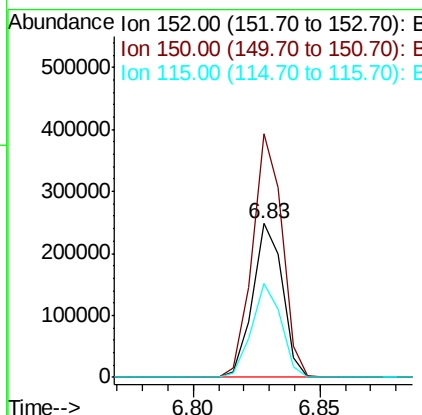
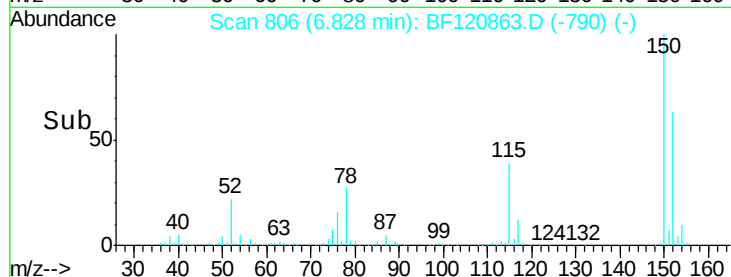


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

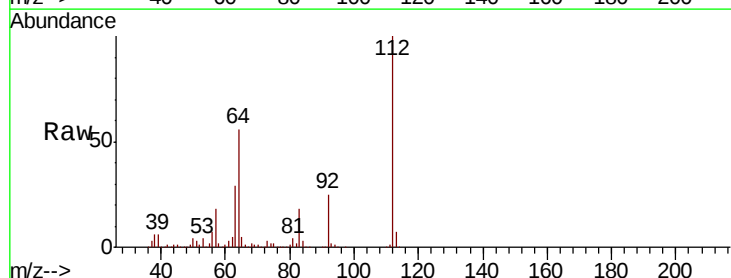
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 52.950 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF120863.D
Acq: 14 Jul 2020 16:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	43.8	65.6
63	29.0	23.6	35.4

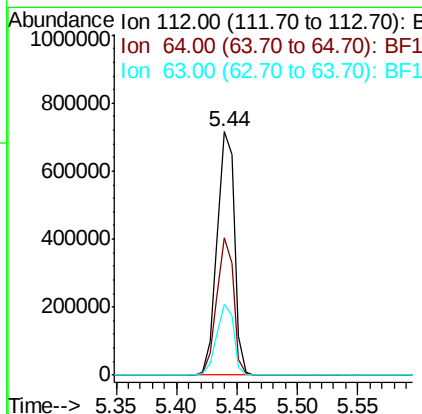
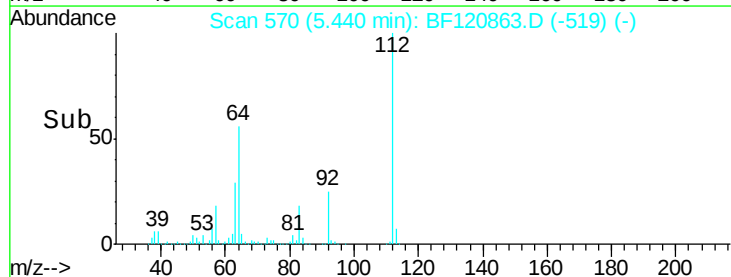


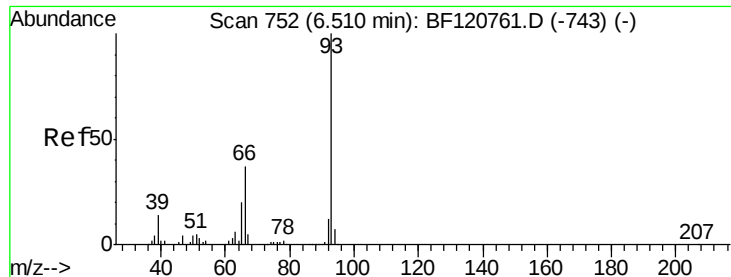
Abundance

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





#6

Aniline

Concen: 2.394 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF120863.D

Acq: 14 Jul 2020 16:18

Instrument :

BNA_F

ClientSampleId :

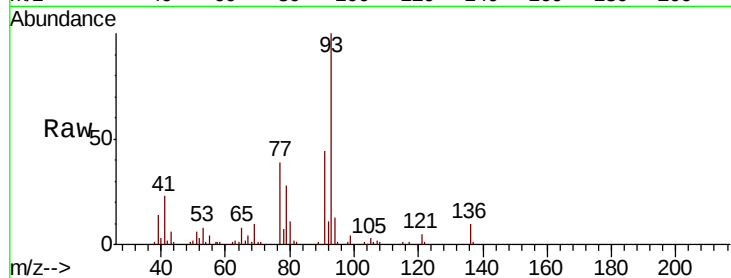
Tot Ion: 93 Resp: 52011

Ion Ratio Lower Upper

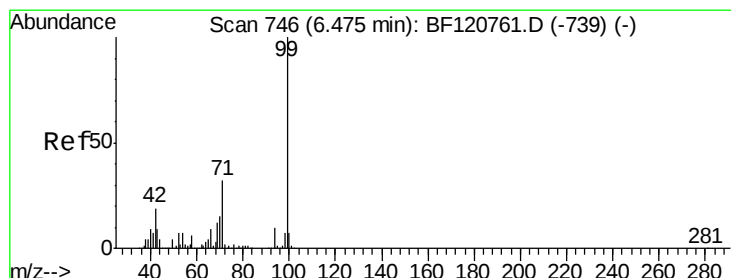
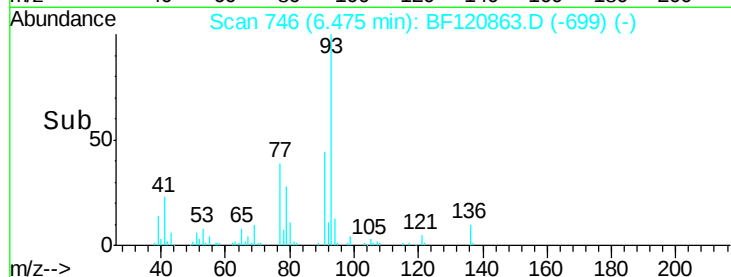
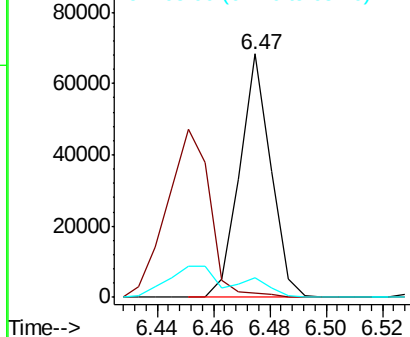
93 100

66 1.9 31.3 46.9#

65 8.1 16.5 24.7#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 62.253 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF120863.D

Acq: 14 Jul 2020 16:18

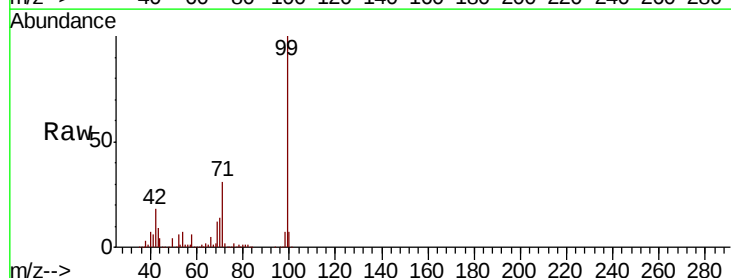
Tgt Ion: 99 Resp: 1053095

Ion Ratio Lower Upper

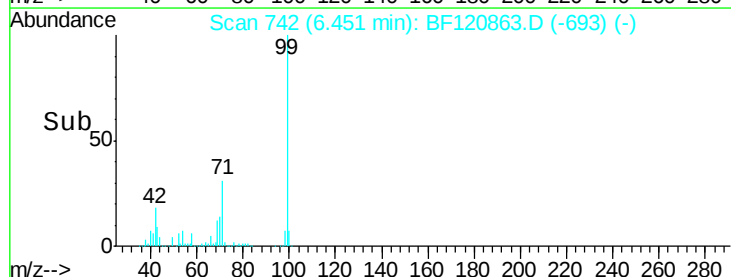
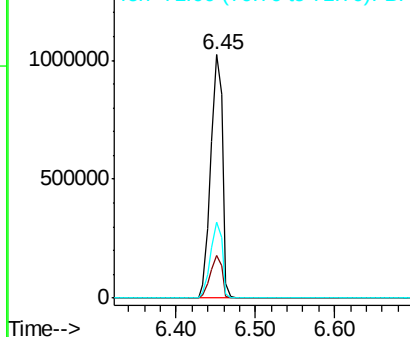
99 100

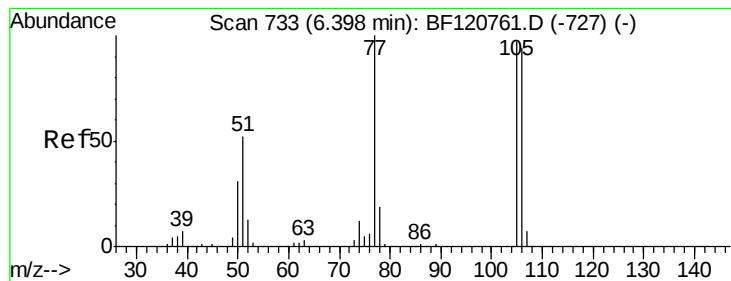
42 17.6 15.4 23.0

71 31.3 25.9 38.9



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





#9

Benzaldehyd

Concen: 2.234 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.09 min

Lab File: BF120863.D

Acq: 14 Jul 2020 16:18

Instrument :

BNA_F

ClientSampleId :

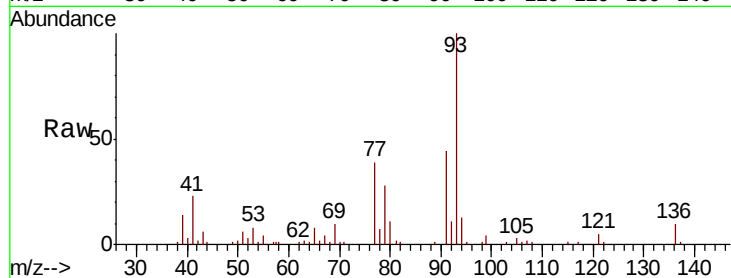
Tot Ion: 77 Resp: 22476

Ion Ratio Lower Upper

77 100

105 7.0 76.8 116.8#

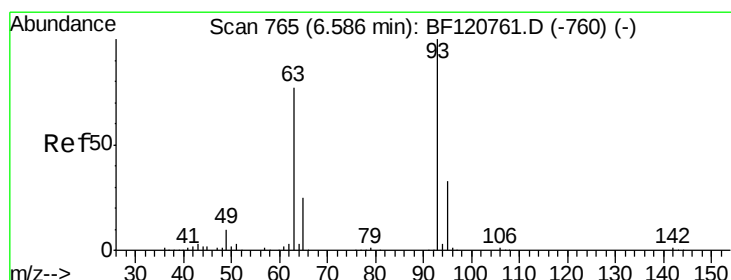
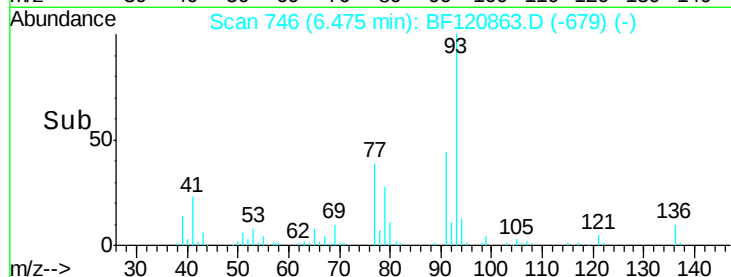
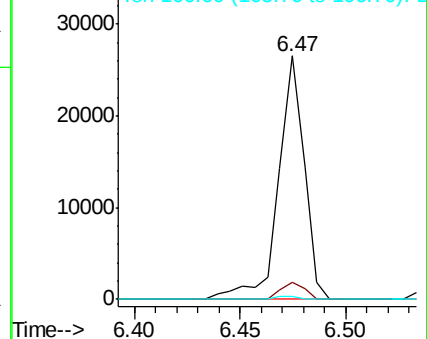
106 1.4 73.8 113.8#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#11

bis(2-Chloroethyl)ether

Concen: 3.673 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.09 min

Lab File: BF120863.D

Acq: 14 Jul 2020 16:18

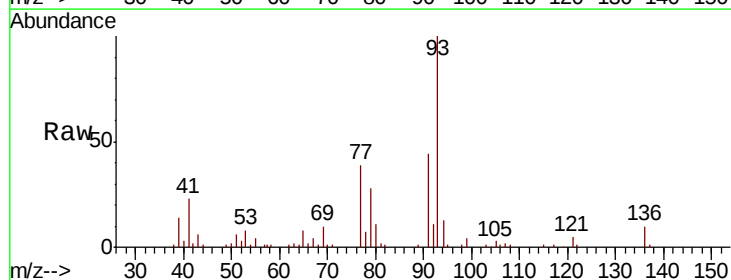
Tgt Ion: 93 Resp: 52011

Ion Ratio Lower Upper

93 100

63 2.2 56.9 96.9#

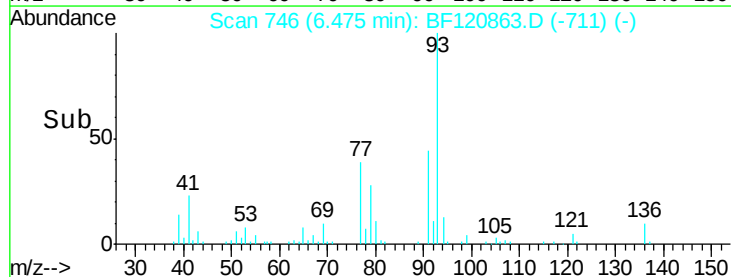
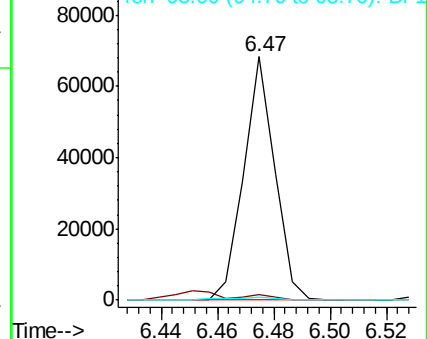
95 1.0 13.3 53.3#

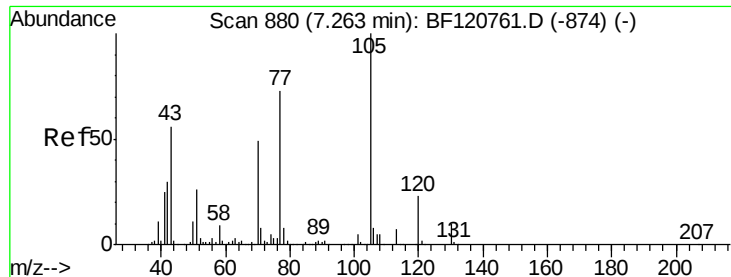


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

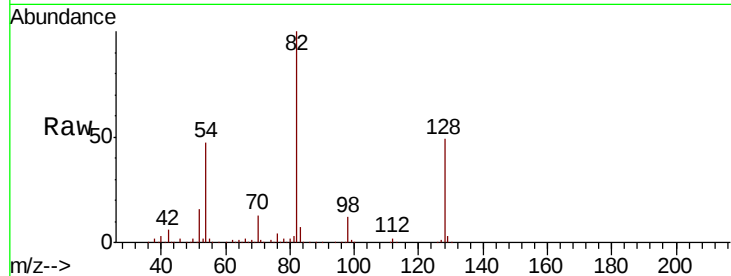




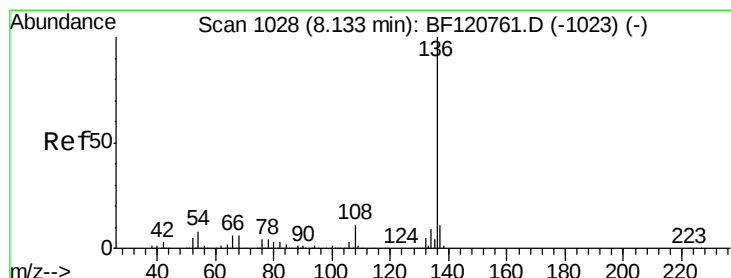
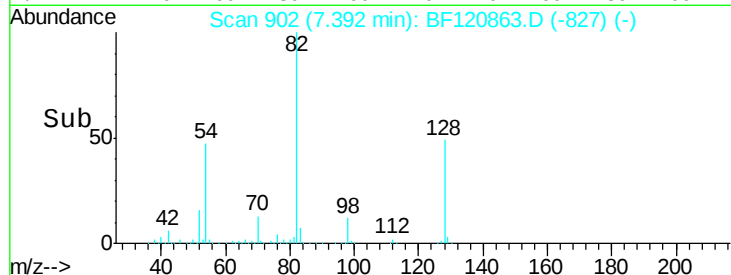
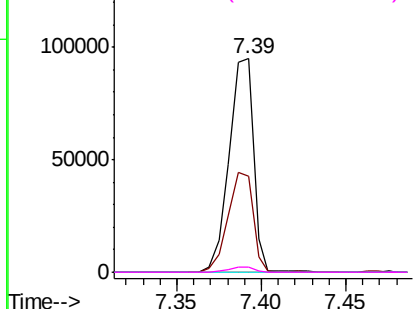
#19
n-Nitroso-di-n-propylamine
Concen: 9.329 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.14 min
Lab File: BF120863.D
Acq: 14 Jul 2020 16:18

Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 95016
Ion Ratio Lower Upper
70 100
42 45.3 50.3 75.5#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#

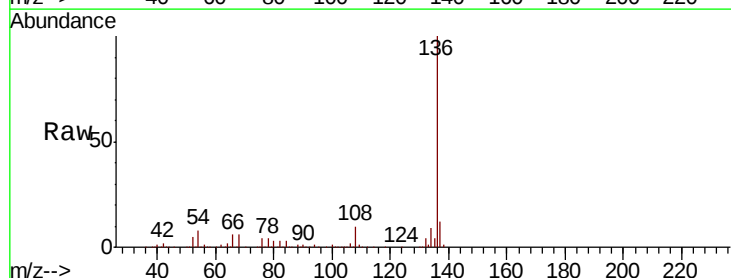


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

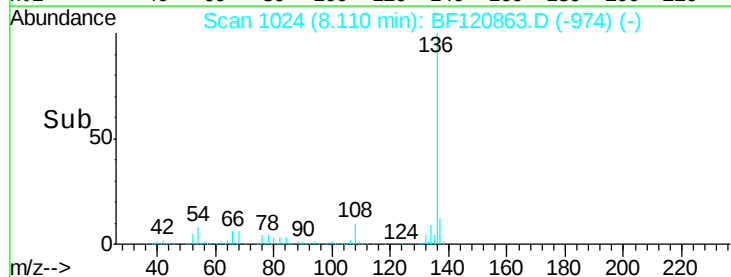
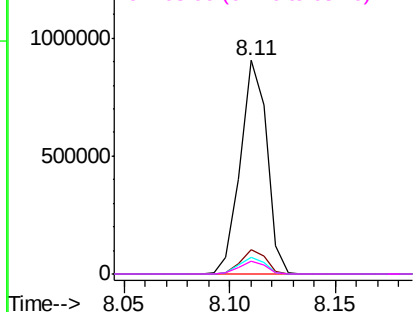


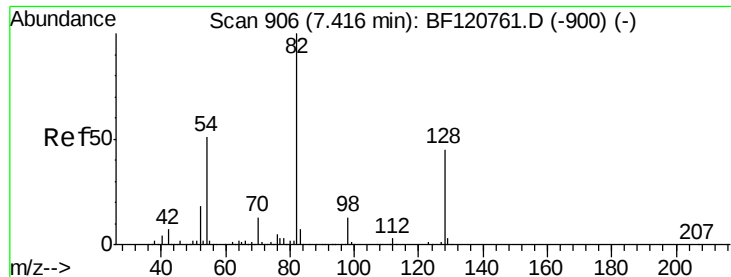
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF120863.D
Acq: 14 Jul 2020 16:18

Tgt Ion: 136 Resp: 786889
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.6
54 8.0 6.2 9.4
68 6.2 4.7 7.1



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

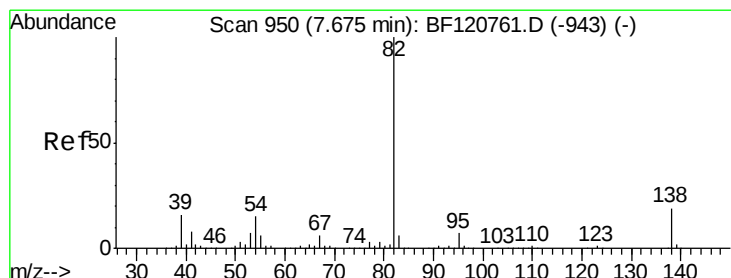
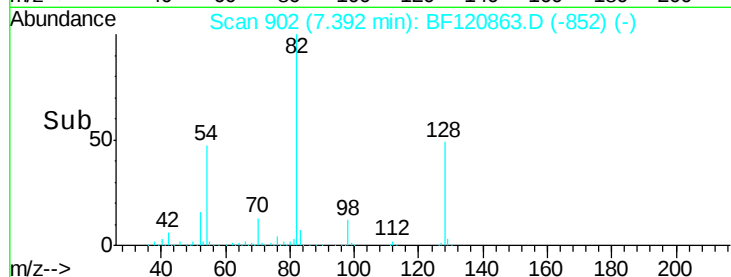
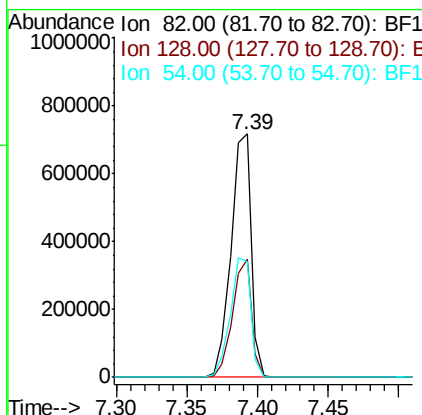
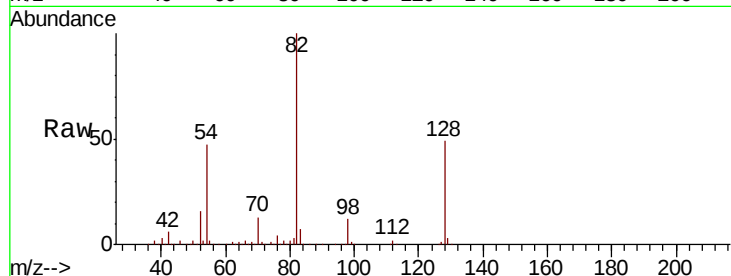




#23
Nitrobenzene-d5
Concen: 52.585 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF120863.D
Acq: 14 Jul 2020 16:18

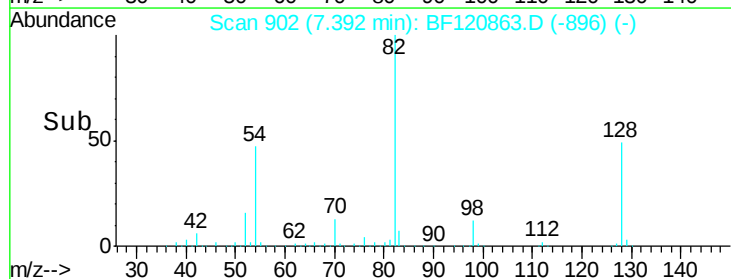
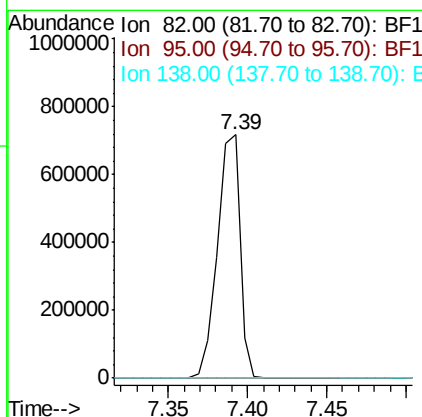
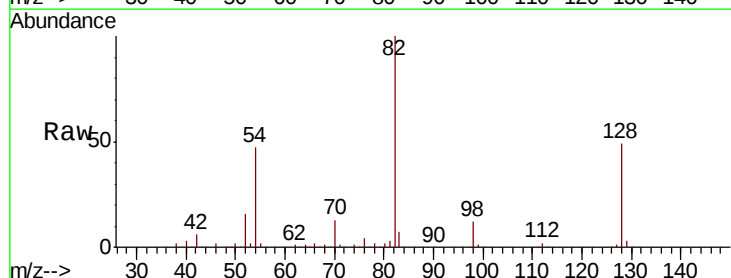
Instrument :
BNA_F
ClientSampleID :

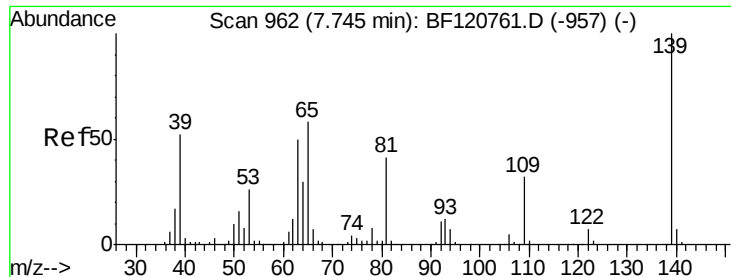
Tot Ion	82	Resp	714190
Ion Ratio	100	Lower	Upper
128	48.5	35.7	53.5
54	47.3	40.9	61.3



#25
Isophorone
Concen: 24.302 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.26 min
Lab File: BF120863.D
Acq: 14 Jul 2020 16:18

Tgt Ion	82	Resp	711796
Ion Ratio	100	Lower	Upper
95	0.0	5.4	8.2#
138	0.0	15.0	22.4#

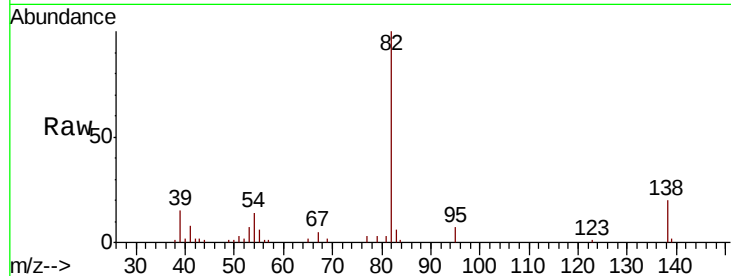




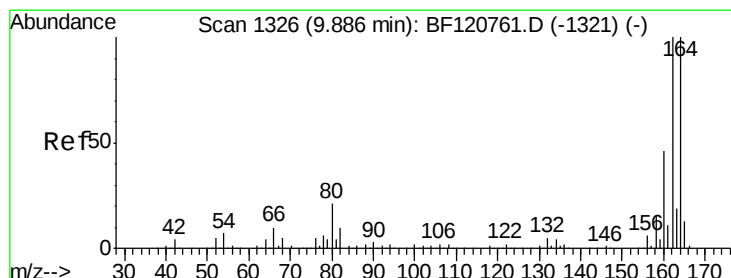
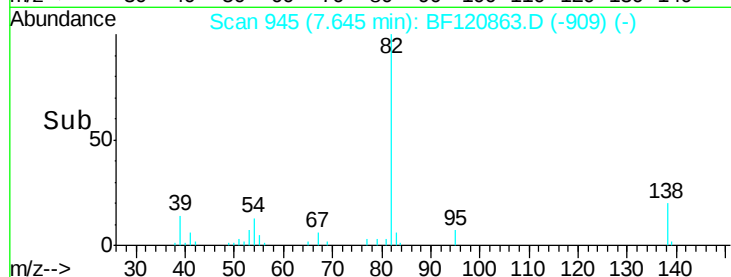
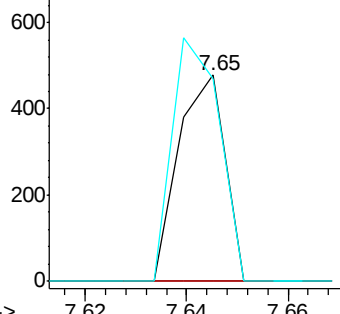
#26
2-Nitrophenol
Concen: 4.012 ng
RT: 7.65 min Scan# 945
Delta R.T. -0.09 min
Lab File: BF120863.D
Acq: 14 Jul 2020 16:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 304
Ion Ratio Lower Upper
139 100
109 0.0 25.3 37.9#
65 98.5 46.2 69.2#

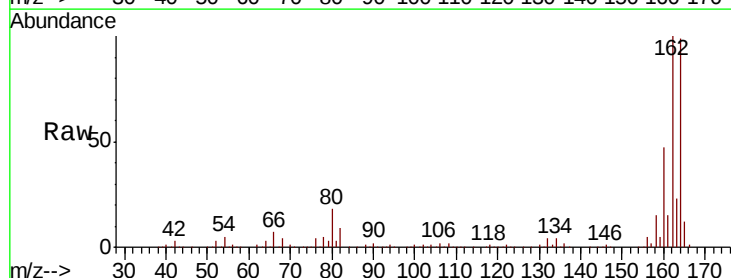


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

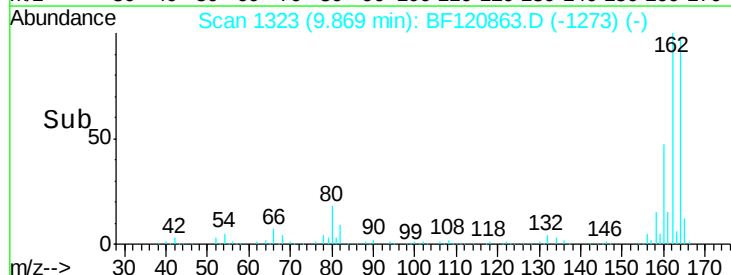
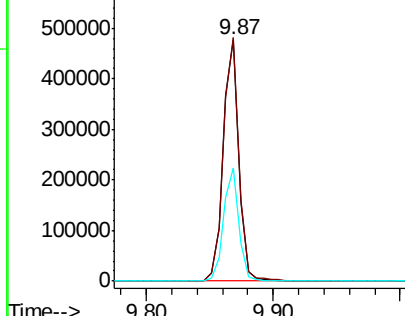


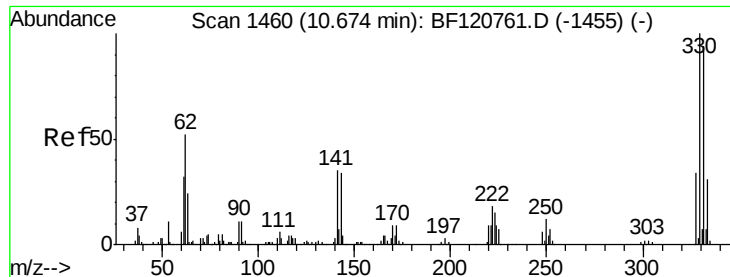
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF120863.D
Acq: 14 Jul 2020 16:18

Tgt Ion:164 Resp: 410022
Ion Ratio Lower Upper
164 100
162 100.9 80.2 120.2
160 47.0 36.9 55.3



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

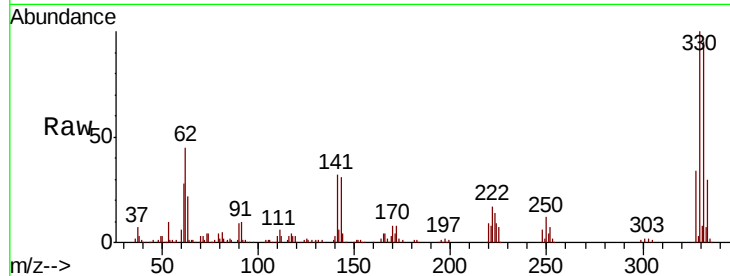




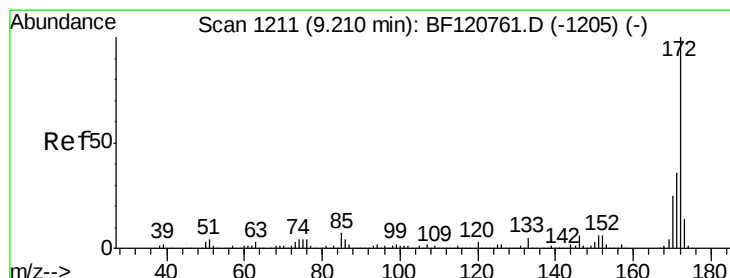
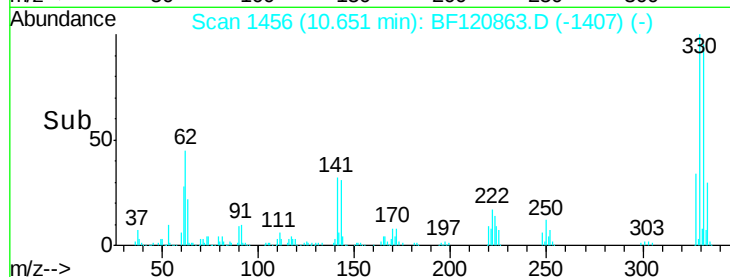
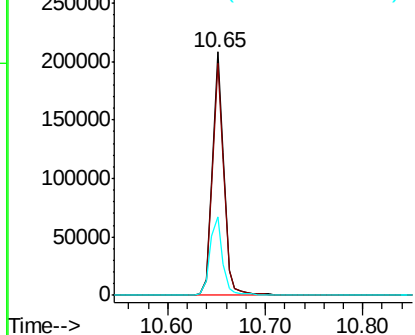
#42
 2,4,6-Tribromophenol
 Concen: 41.591 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF120863.D
 Acq: 14 Jul 2020 16:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 171324
 Ion Ratio Lower Upper
 330 100
 332 95.2 75.8 113.6
 141 35.6 29.7 44.5

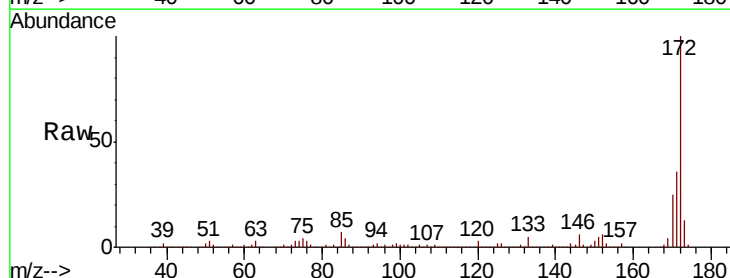


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

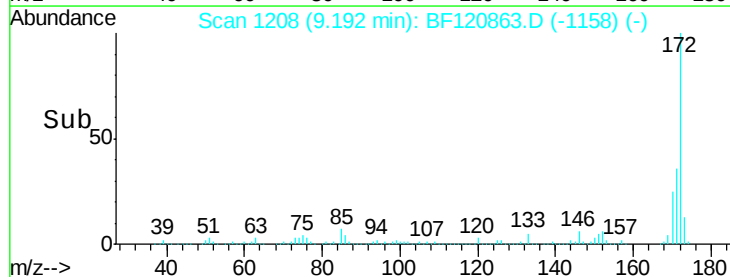
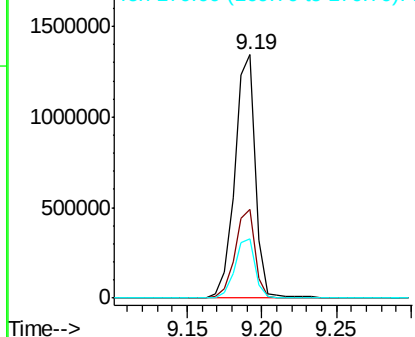


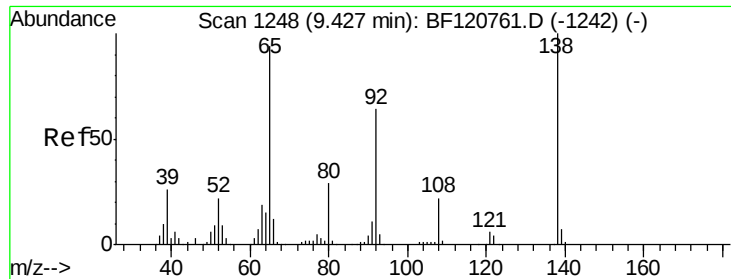
#45
 2-Fluorobiphenyl
 Concen: 48.288 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF120863.D
 Acq: 14 Jul 2020 16:18

Tgt Ion:172 Resp: 1308641
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.1 43.7
 170 24.6 19.8 29.6



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

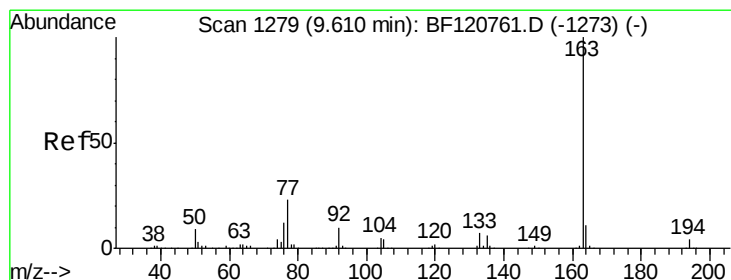
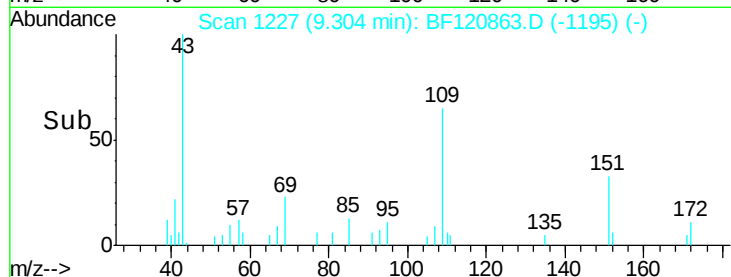
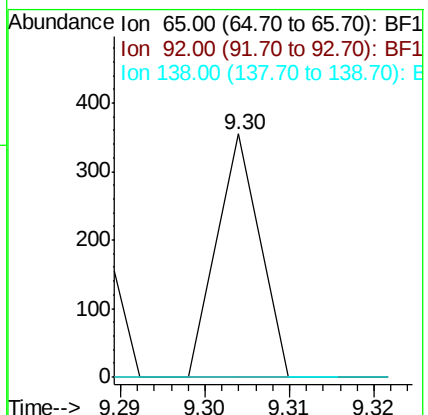
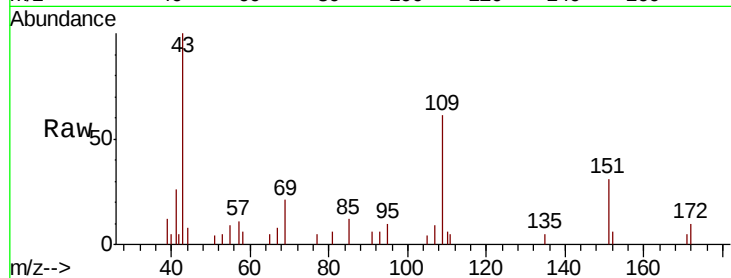




#48
2-Nitroaniline
Concen: 2.634 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.11 min
Lab File: BF120863.D
Acq: 14 Jul 2020 16:18

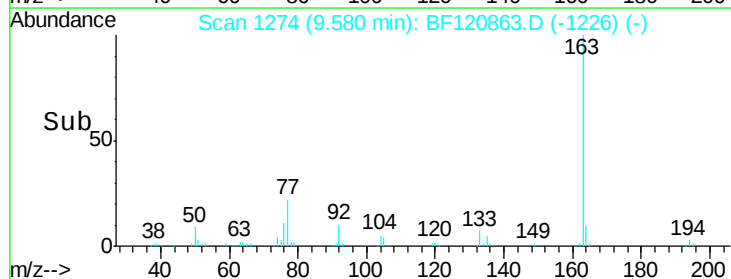
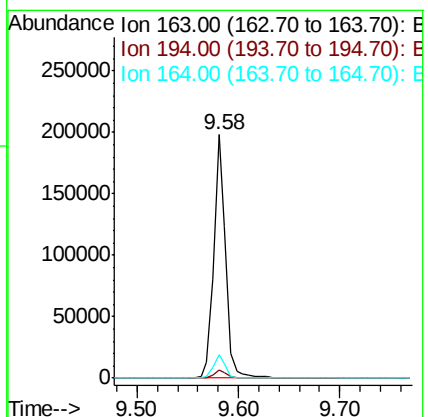
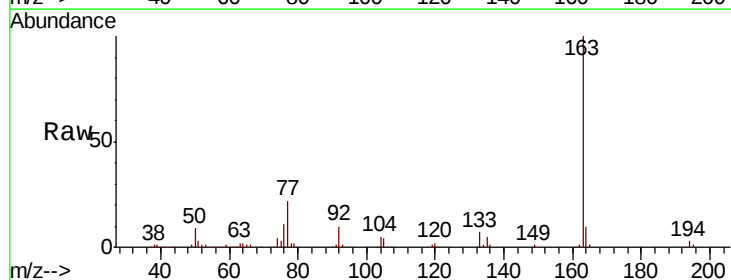
Instrument :
BNA_F
ClientSampleId :

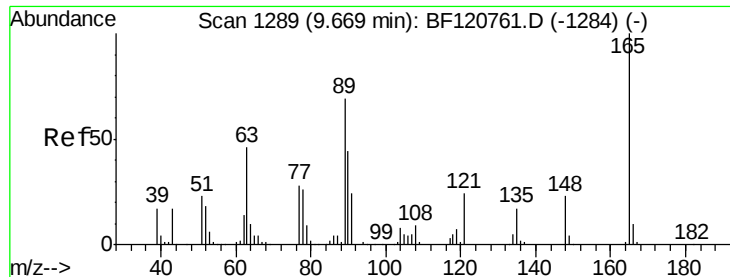
Tot Ion: 65 Resp: 125
Ion Ratio Lower Upper
65 100
92 0.0 54.4 81.6#
138 0.0 84.7 127.1#



#50
Dimethylphthalate
Concen: 5.387 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF120863.D
Acq: 14 Jul 2020 16:18

Tgt Ion: 163 Resp: 161121
Ion Ratio Lower Upper
163 100
194 3.5 2.9 4.3
164 9.6 8.5 12.7

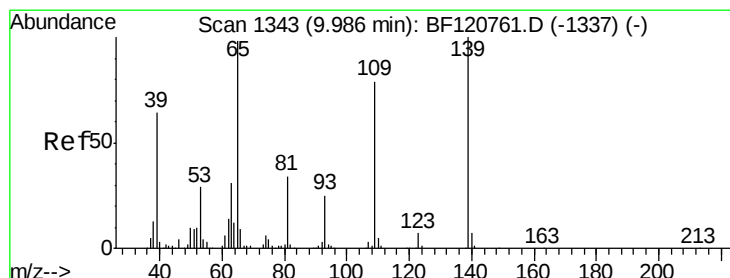
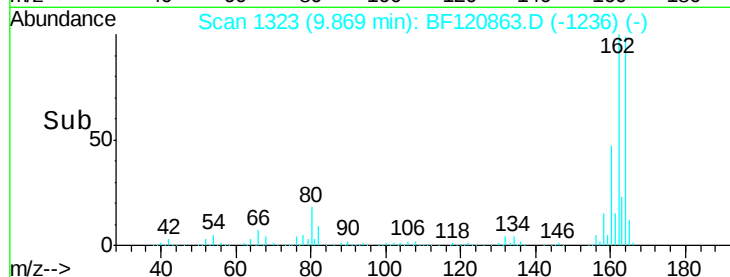
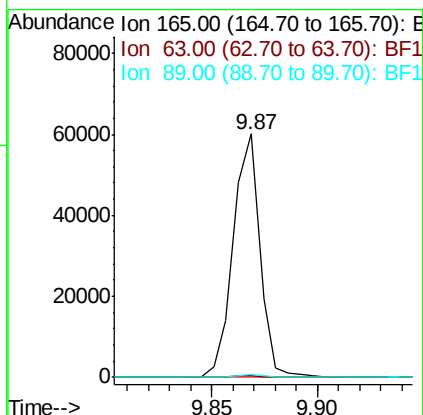
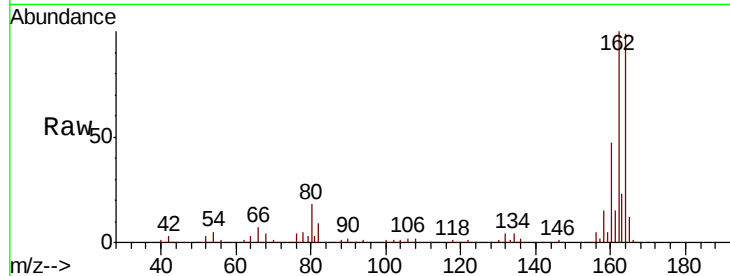




#51
 2,6-Dinitrotoluene
 Concen: 10.696 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.21 min
 Lab File: BF120863.D
 Acq: 14 Jul 2020 16:18

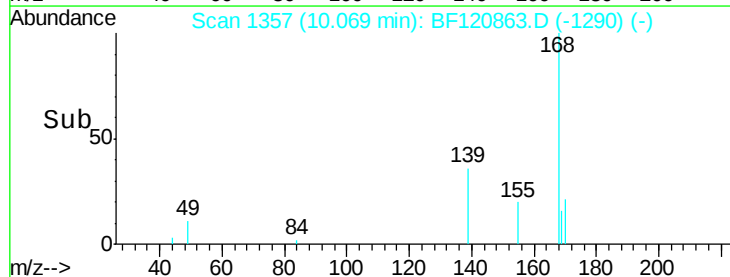
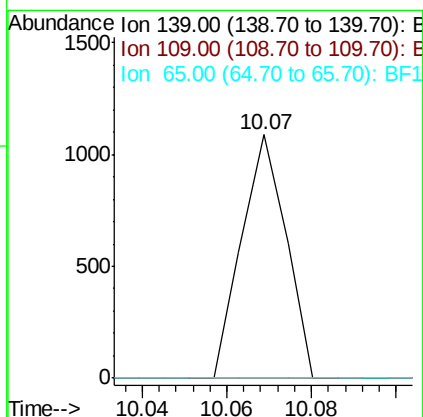
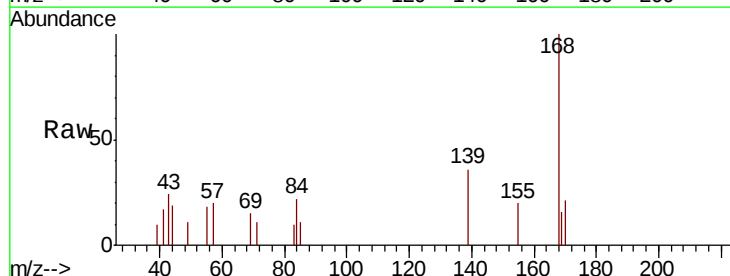
Instrument :
 BNA_F
 ClientSampleId :

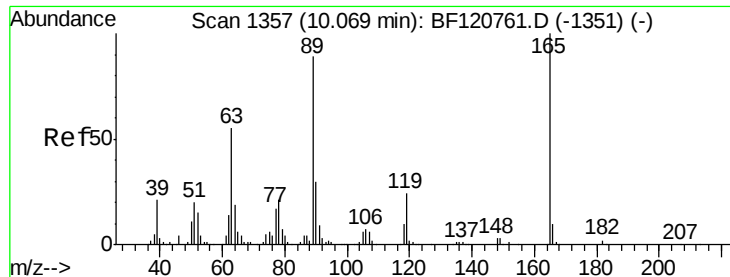
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	54.0	81.0#
89	1.4	55.4	83.2#



#56
 4-Nitrophenol
 Concen: 2.232 ng
 RT: 10.07 min Scan# 1357
 Delta R.T. 0.09 min
 Lab File: BF120863.D
 Acq: 14 Jul 2020 16:18

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	58.6	98.6#
65	0.0	78.7	118.7#

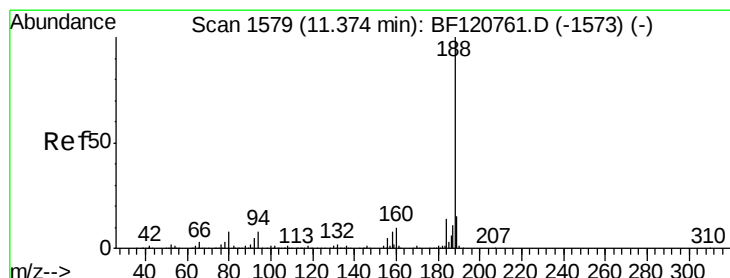
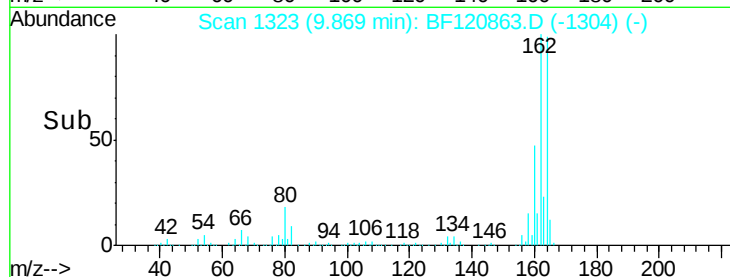
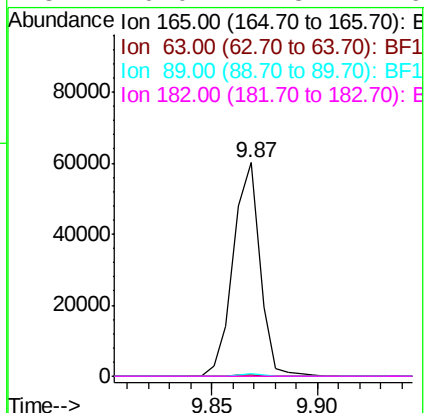
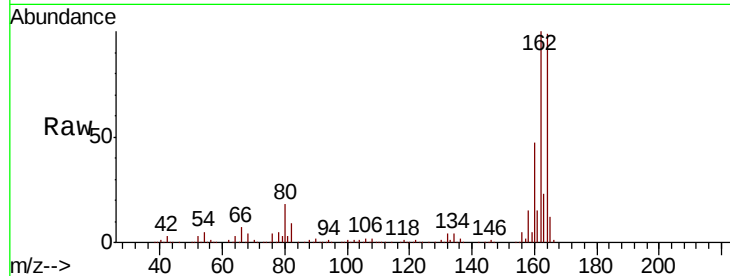




#57
 2,4-Dinitrotoluene
 Concen: 9.715 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF120863.D
 Acq: 14 Jul 2020 16:18

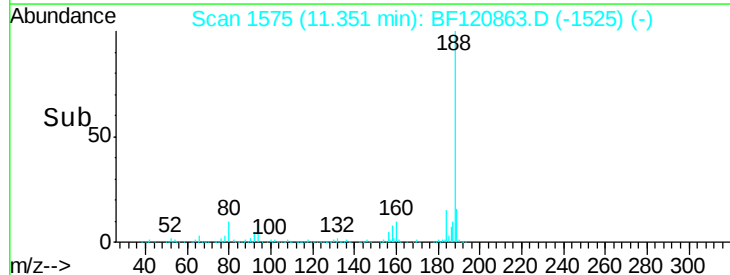
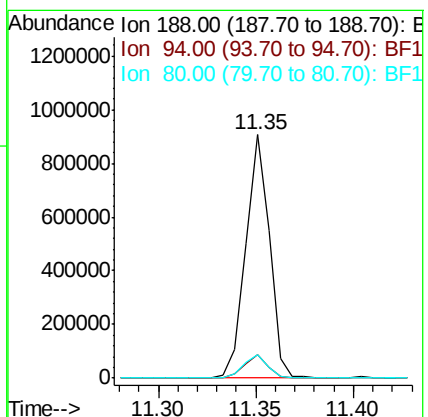
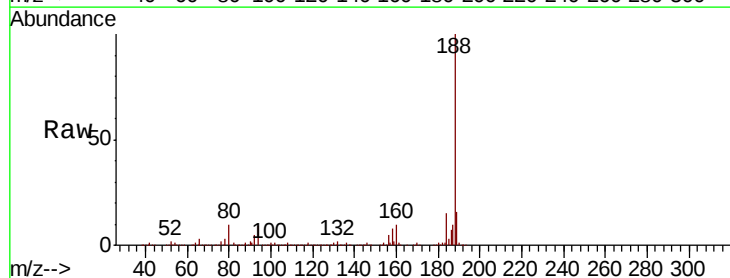
Instrument :
 BNA_F
 ClientSampleId :

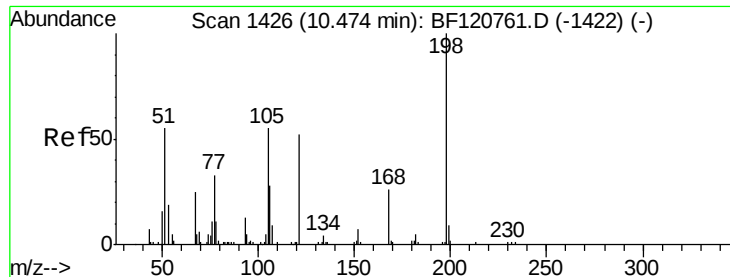
Tot Ion:165 Resp: 52538
 Ion Ratio Lower Upper
 165 100
 63 0.9 43.8 65.8#
 89 1.4 71.4 107.2#
 182 0.0 1.8 2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF120863.D
 Acq: 14 Jul 2020 16:18

Tgt Ion:188 Resp: 767091
 Ion Ratio Lower Upper
 188 100
 94 9.4 6.6 9.8
 80 9.7 6.6 10.0





#65

4,6-Dinitro-2-methylphenol

Concen: 7.054 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.19 min

Lab File: BF120863.D

Acq: 14 Jul 2020 16:18

Instrument :

BNA_F

ClientSampled :

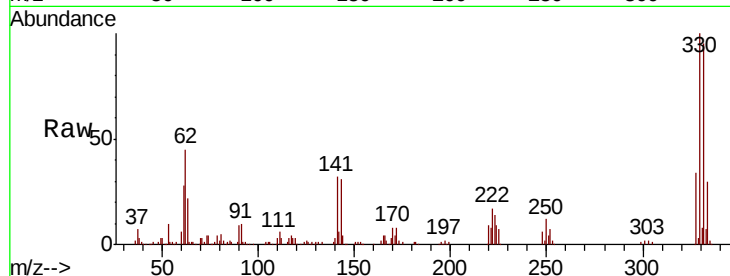
Tot Ion:198 Resp: 174

Ion Ratio Lower Upper

198 100

51 190.4 50.0 90.0#

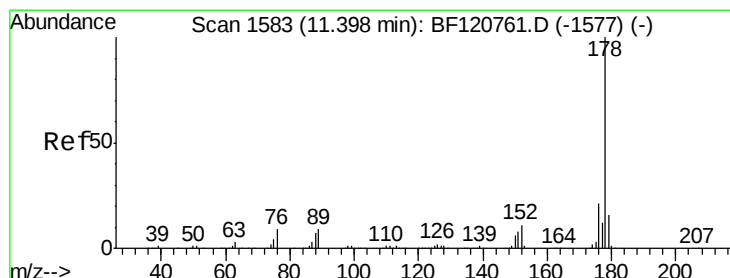
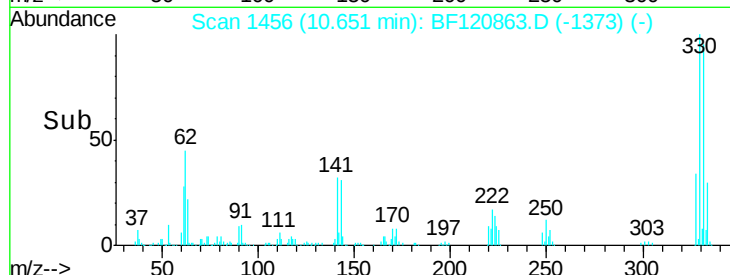
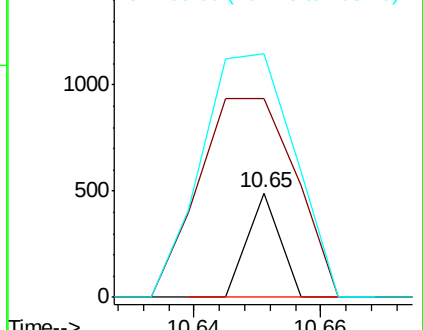
105 232.9 38.3 78.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#71

Phenanthrene

Concen: 2.065 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF120863.D

Acq: 14 Jul 2020 16:18

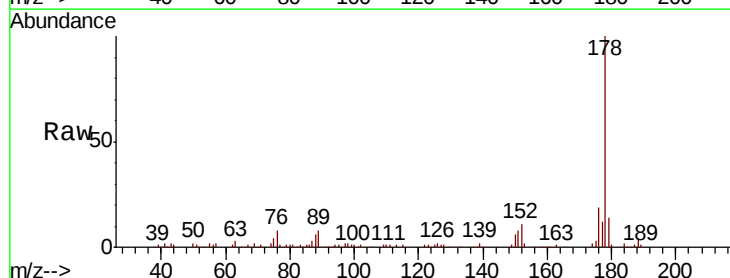
Tgt Ion:178 Resp: 85946

Ion Ratio Lower Upper

178 100

176 19.1 16.4 24.6

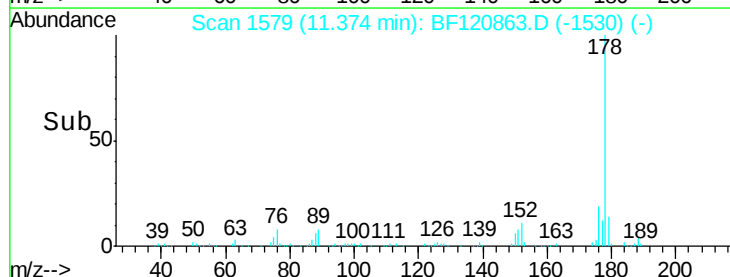
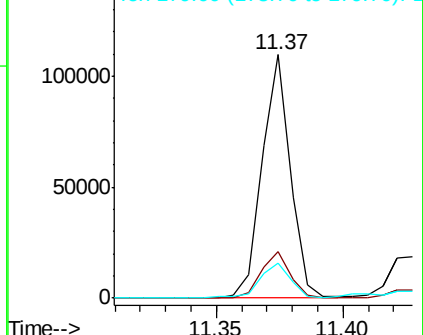
179 14.5 12.9 19.3

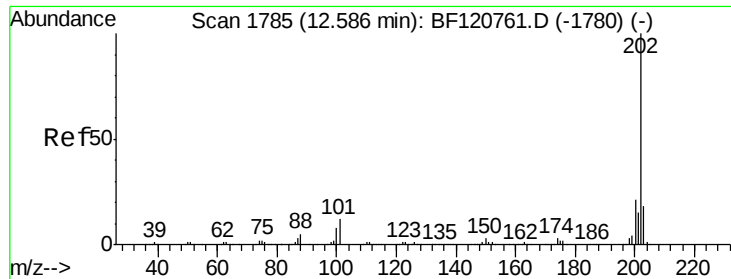


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.549 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF120863.D

Acq: 14 Jul 2020 16:18

Instrument :

BNA_F

ClientSampleId :

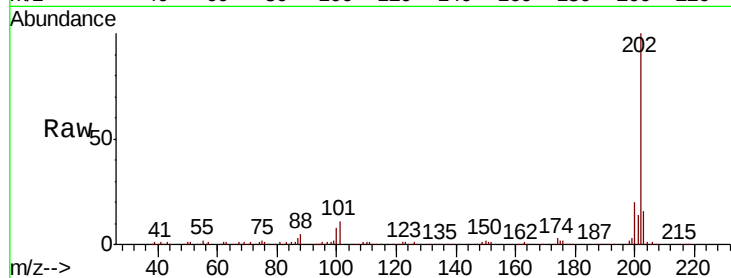
Tot Ion:202 Resp: 201704

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.6

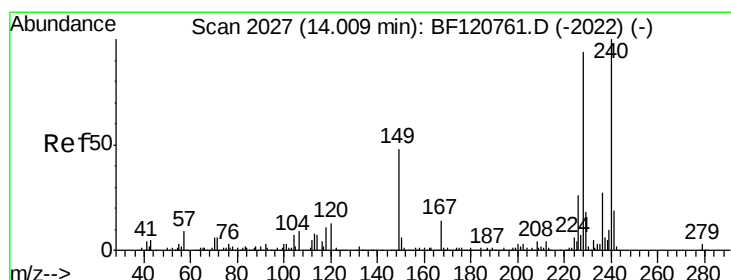
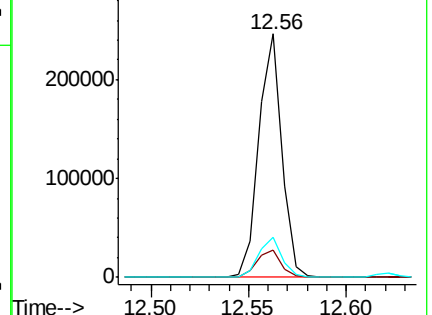
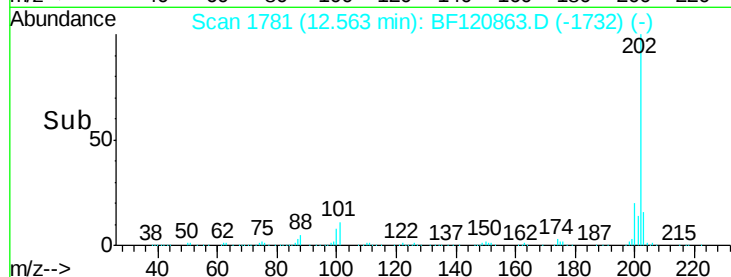
203 16.5 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.02 min

Lab File: BF120863.D

Acq: 14 Jul 2020 16:18

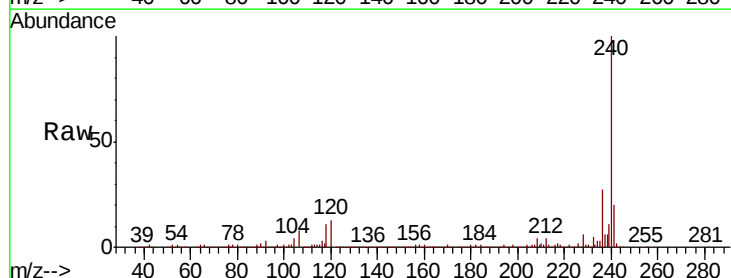
Tgt Ion:240 Resp: 606161

Ion Ratio Lower Upper

240 100

120 12.5 10.3 15.5

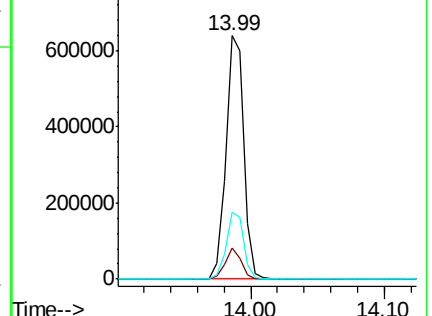
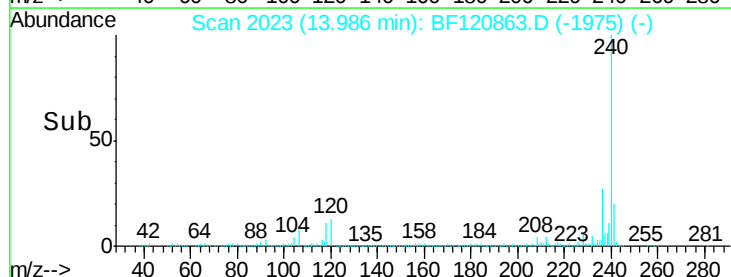
236 27.3 21.4 32.2

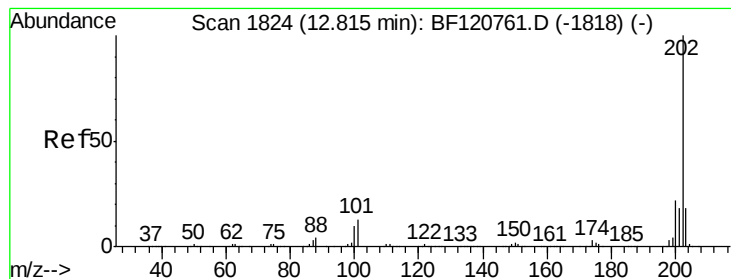


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.758 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF120863.D

Acq: 14 Jul 2020 16:18

Instrument :

BNA_F

ClientSampleId :

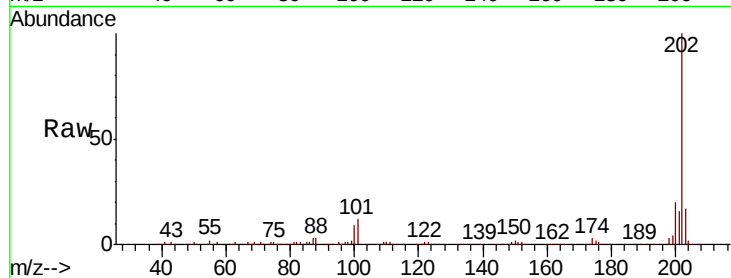
Tot Ion:202 Resp: 181936

Ion Ratio Lower Upper

202 100

200 20.4 17.3 25.9

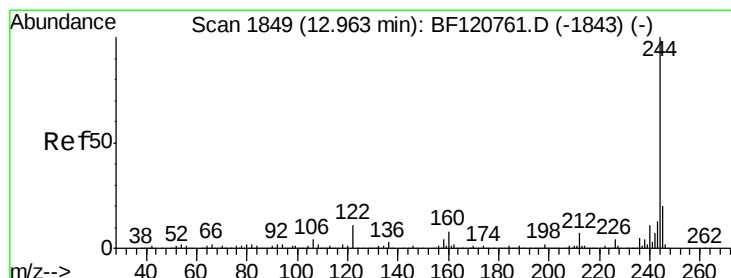
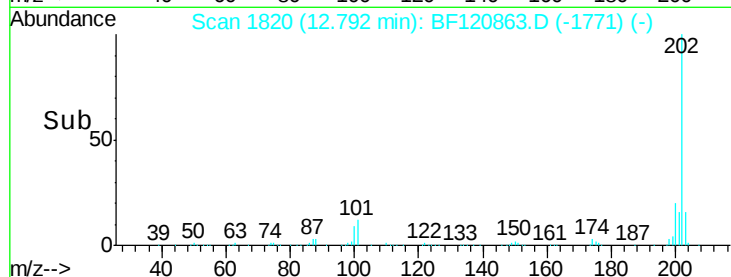
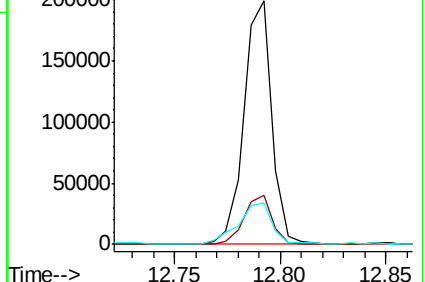
203 16.8 14.6 22.0



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



#79

Terphenyl-d14

Concen: 41.790 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF120863.D

Acq: 14 Jul 2020 16:18

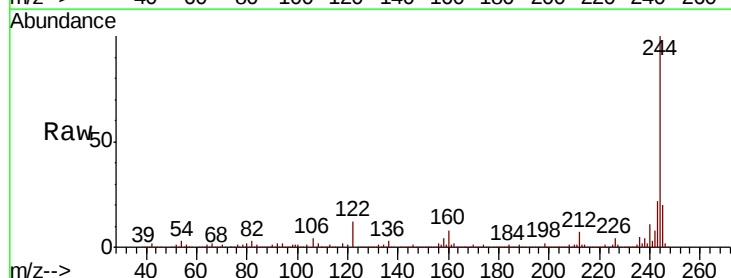
Tgt Ion:244 Resp: 1293826

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

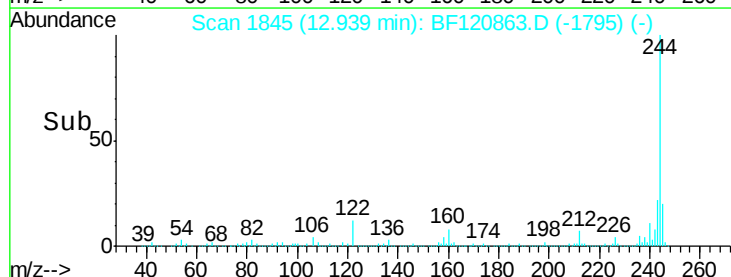
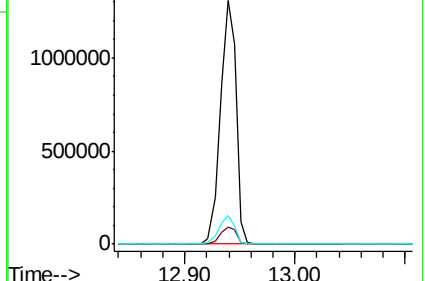
122 11.9 9.0 13.4

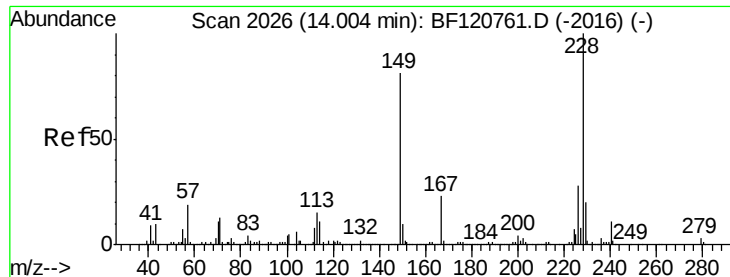


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

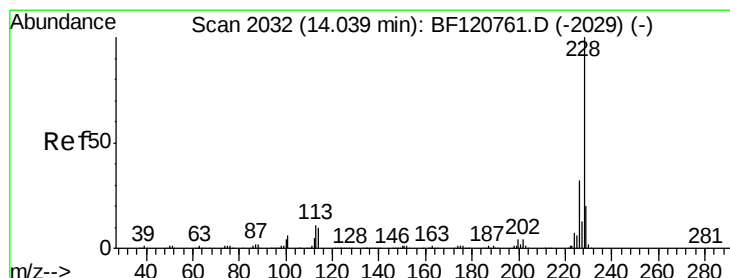
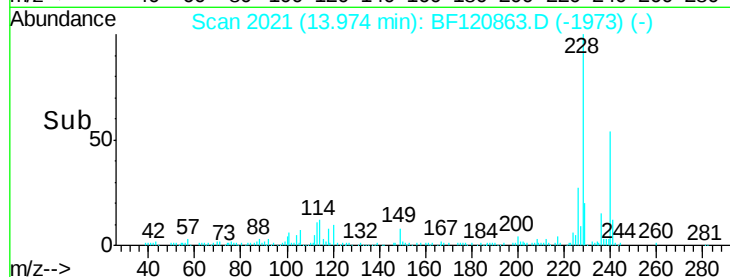
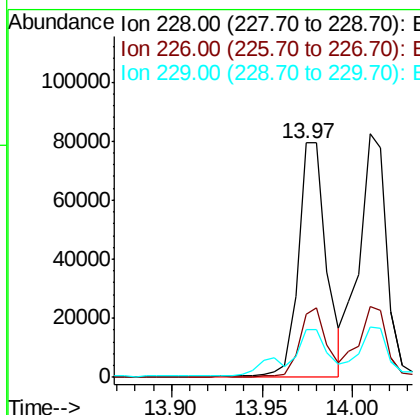
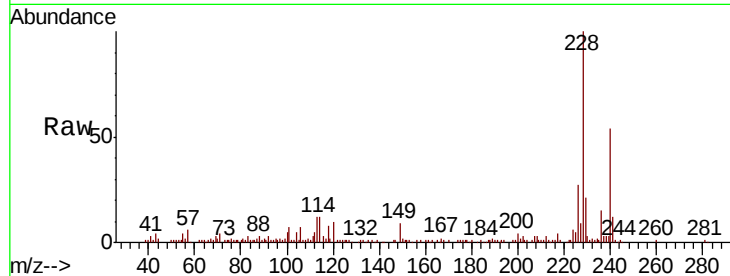




#81
Benzo(a)anthracene
Concen: 2.252 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF120863.D
Acq: 14 Jul 2020 16:18

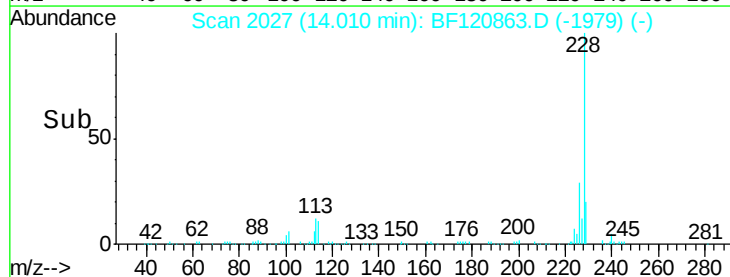
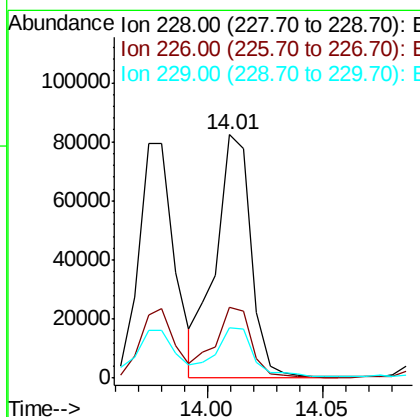
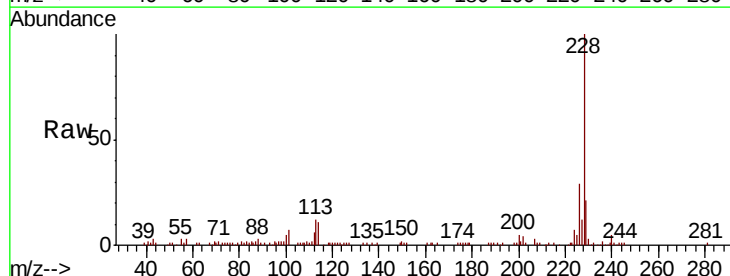
Instrument :
BNA_F
ClientSampleId :

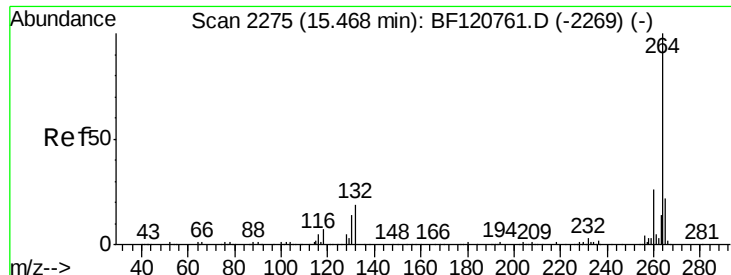
Tot Ion:228 Resp: 87491
Ion Ratio Lower Upper
228 100
226 27.1 22.6 33.8
229 20.5 15.8 23.6



#83
Chrysene
Concen: 2.235 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF120863.D
Acq: 14 Jul 2020 16:18

Tgt Ion:228 Resp: 88575
Ion Ratio Lower Upper
228 100
226 29.2 25.7 38.5
229 20.9 16.3 24.5

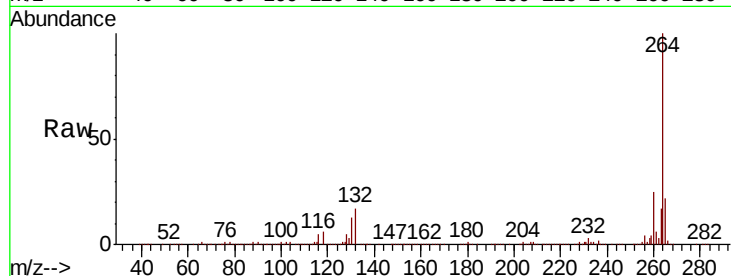




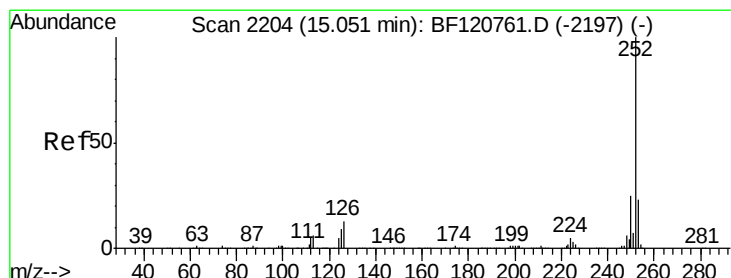
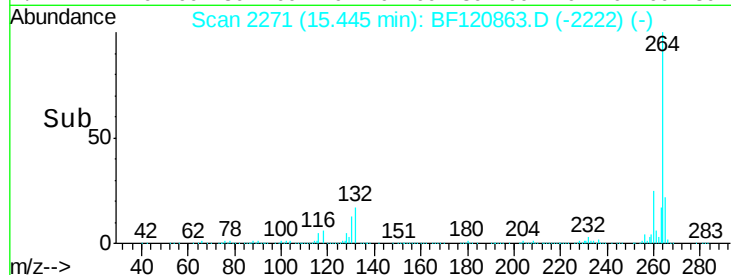
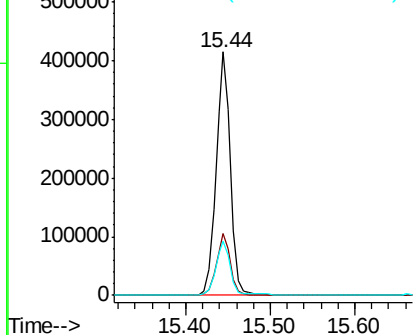
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF120863.D
Acq: 14 Jul 2020 16:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 497934
Ion Ratio Lower Upper
264 100
260 25.4 20.6 30.8
265 22.3 17.6 26.4

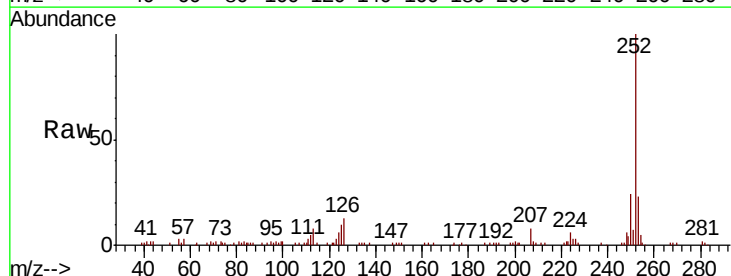


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

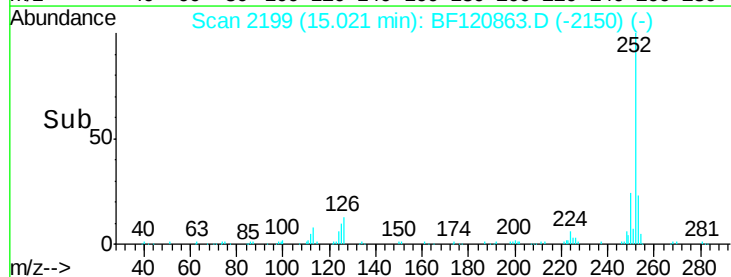
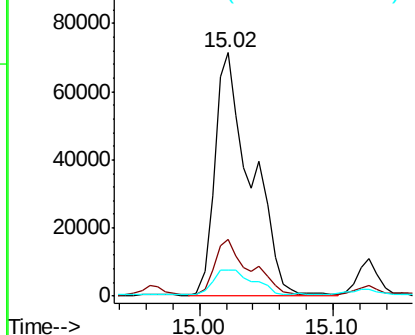


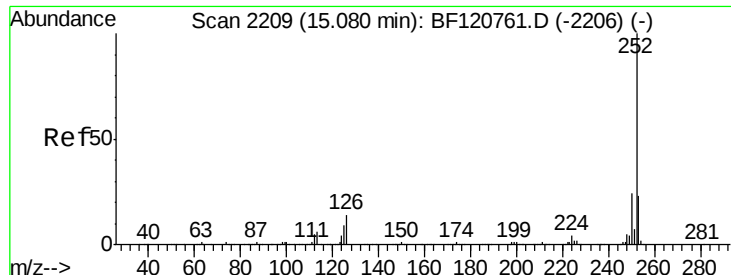
#88
Benzo(b)fluoranthene
Concen: 4.141 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF120863.D
Acq: 14 Jul 2020 16:18

Tgt Ion:252 Resp: 135554
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 10.5 7.5 11.3



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.256 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.05 min

Lab File: BF120863.D

Acq: 14 Jul 2020 16:18

Instrument :

BNA_F

ClientSampleId :

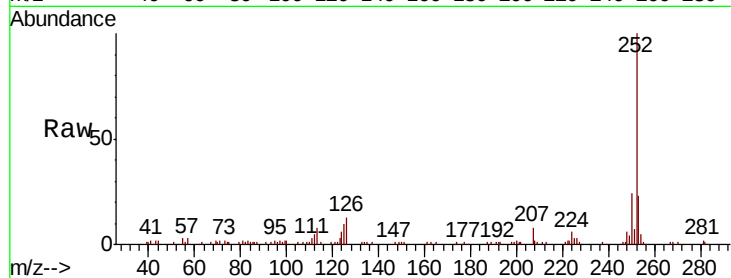
Tot Ion:252 Resp: 135554

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

125 10.5 7.6 11.4



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

