

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013120\
 Data File : BF118776.D
 Acq On : 31 Jan 2020 12:39
 Operator : CG/JU
 Sample : L1318-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 31 22:02:49 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

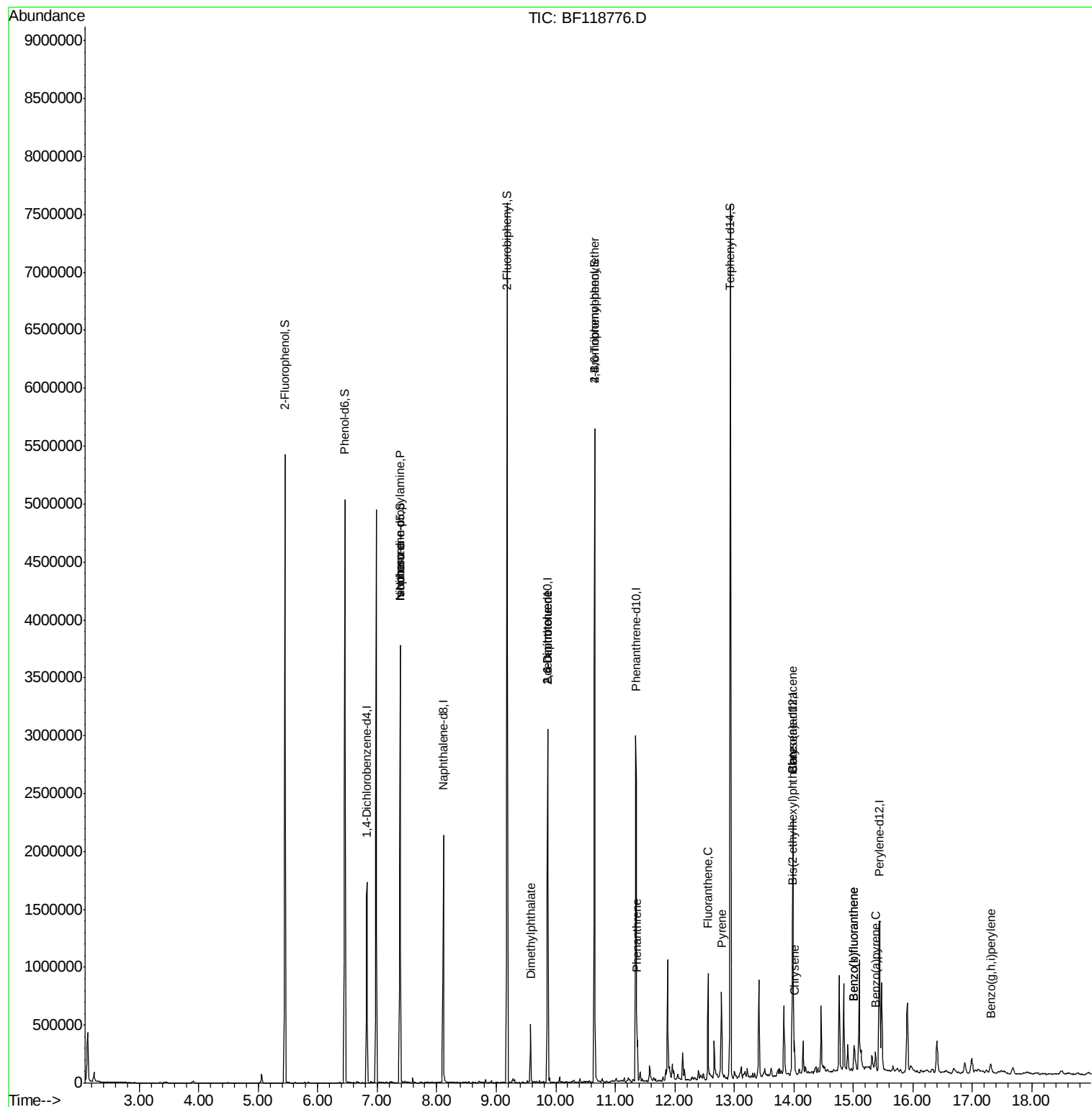
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	279810	20.00	ng	-0.04
21) Naphthalene-d8	8.11	136	1078929	20.00	ng	-0.04
39) Acenaphthene-d10	9.86	164	619163	20.00	ng	-0.04
64) Phenanthrene-d10	11.35	188	1161626	20.00	ng	-0.04
76) Chrysene-d12	13.99	240	748461	20.00	ng	-0.04
87) Perylene-d12	15.44	264	627970	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1633090	108.40	ng	-0.03
7) Phenol-d6	6.46	99	2043231	104.34	ng	-0.04
23) Nitrobenzene-d5	7.39	82	1344731	69.71	ng	-0.04
42) 2,4,6-Tribromophenol	10.65	330	813520	113.60	ng	-0.04
45) 2-Fluorobiphenyl	9.19	172	2558599	67.92	ng	-0.04
79) Terphenyl-d14	12.93	244	3000001	87.42	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	181034	13.692	ng	# 77
25) Isophorone	7.39	82	1320310	37.527	ng	# 63
50) Dimethylphthalate	9.57	163	189333	4.694	ng	99
51) 2,6-Dinitrotoluene	9.86	165	80570	8.919	ng	# 29
57) 2,4-Dinitrotoluene	9.86	165	80570	7.075	ng	# 30
67) 4-Bromophenyl-phenylether	10.65	248	52489	3.657	ng	# 1
71) Phenanthrene	11.37	178	194900	3.478	ng	95
75) Fluoranthene	12.56	202	334924	5.666	ng	97
78) Pyrene	12.79	202	297652	5.858	ng	96
81) Benzo(a)anthracene	13.97	228	119593	2.656	ng	100
83) Chrysene	14.01	228	123704	2.867	ng	97
84) Bis(2-ethylhexyl)phthalate	13.97	149	77047	3.032	ng	98
88) Benzo(b)fluoranthene	15.02	252	160962	4.078	ng	99
89) Benzo(k)fluoranthene	15.02	252	160962	4.402	ng	100
90) Benzo(a)pyrene	15.37	252	80334	2.359	ng	# 98
92) Benzo(g,h,i)perylene	17.30	276	61116	2.090	ng	98

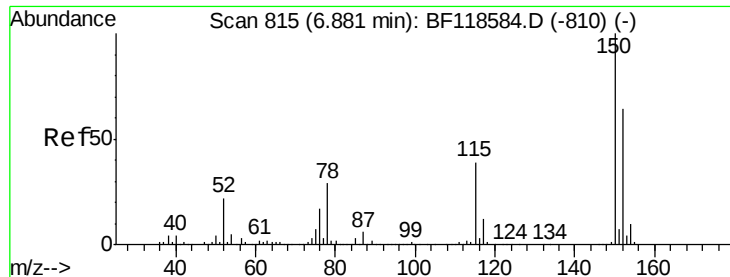
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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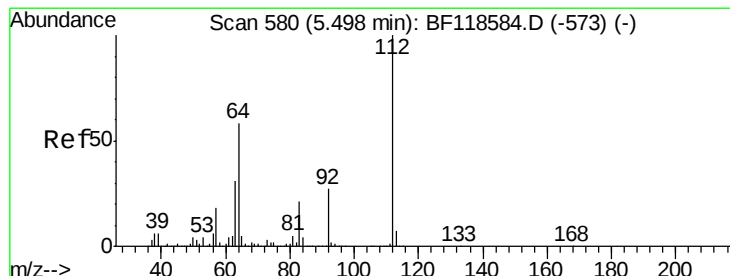
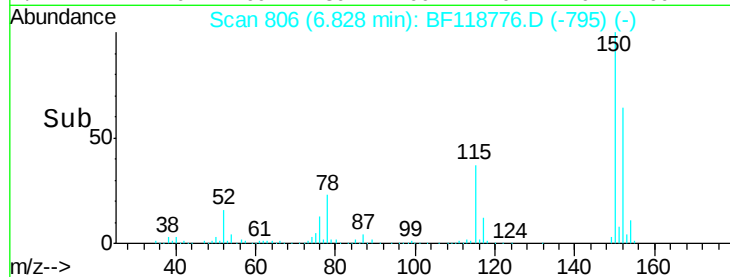
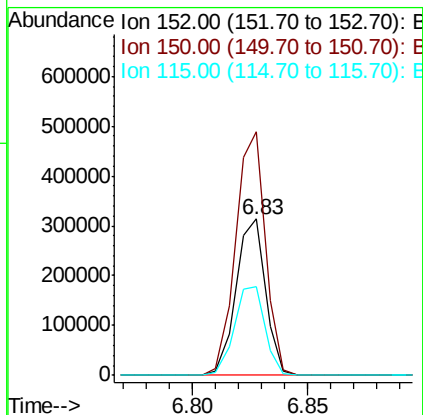
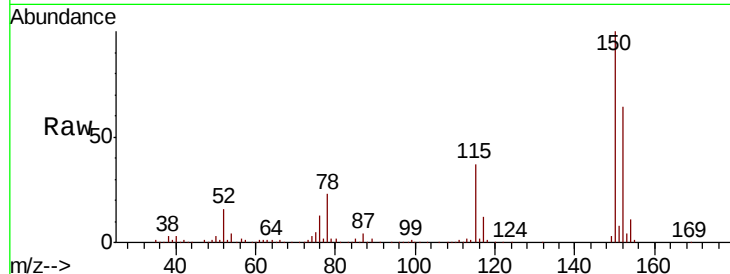


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.04 min
Lab File: BF118776.D
Acq: 31 Jan 2020 12:39

Instrument :
BNA_F
ClientSampleId :

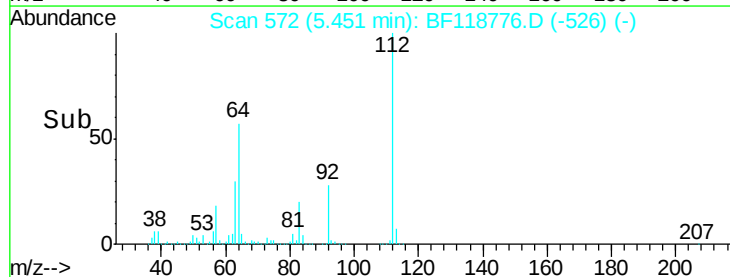
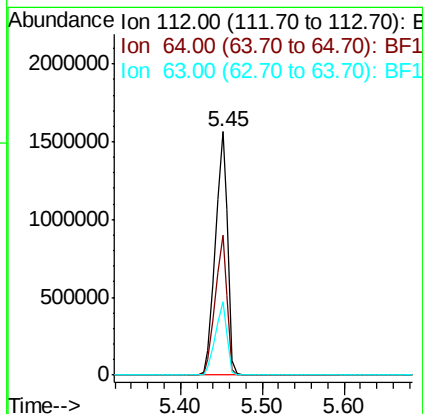
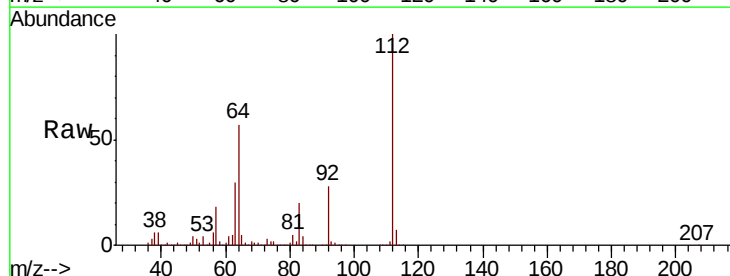
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.7	185.5
115	56.9	45.1	67.7



#5

2-Fluorophenol
Concen: 108.397 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.03 min
Lab File: BF118776.D
Acq: 31 Jan 2020 12:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	42.4	63.6
63	30.3	21.7	32.5





#7

Phenol-d6

Concen: 104.344 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.04 min

Lab File: BF118776.D

Acq: 31 Jan 2020 12:39

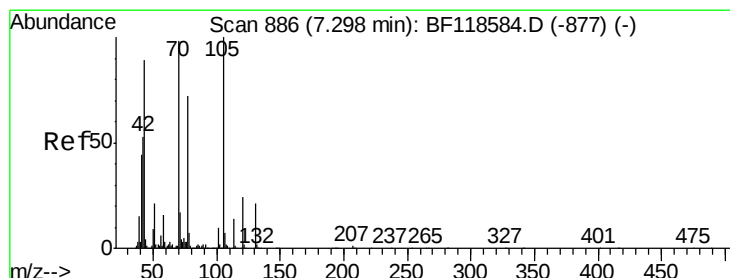
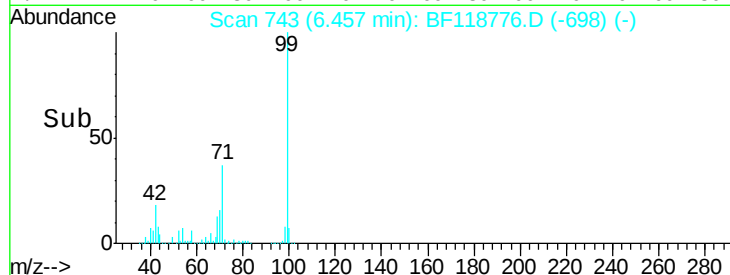
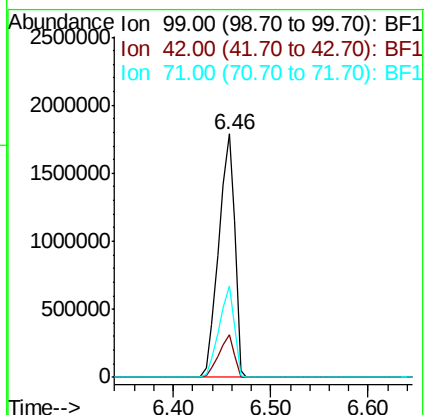
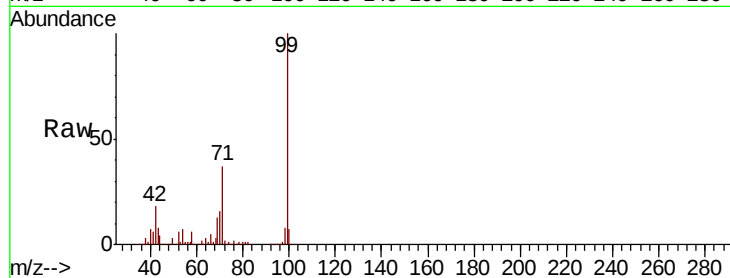
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 2043231

Ion	Ratio	Lower	Upper
99	100		
42	17.5	13.1	19.7
71	37.3	28.4	42.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.692 ng

RT: 7.39 min Scan# 901

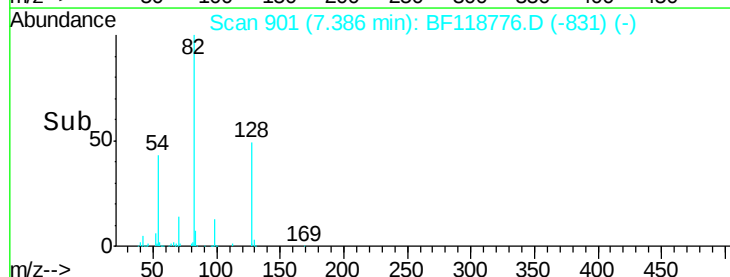
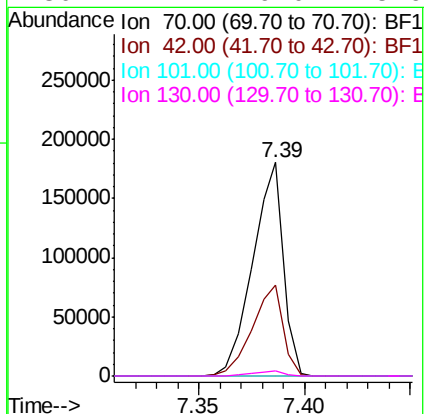
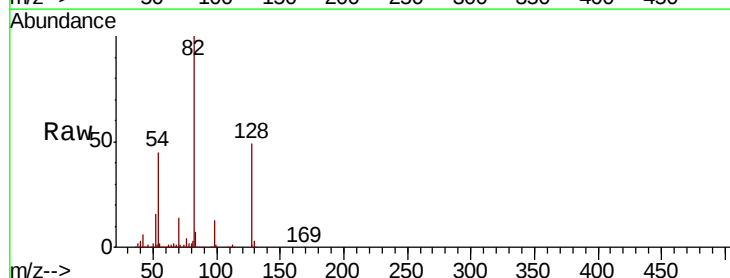
Delta R.T. 0.11 min

Lab File: BF118776.D

Acq: 31 Jan 2020 12:39

Tgt Ion: 70 Resp: 181034

Ion	Ratio	Lower	Upper
70	100		
42	42.6	41.6	62.4
101	0.0	7.9	11.9#
130	2.4	19.0	28.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.04 min

Lab File: BF118776.D

Acq: 31 Jan 2020 12:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1078929

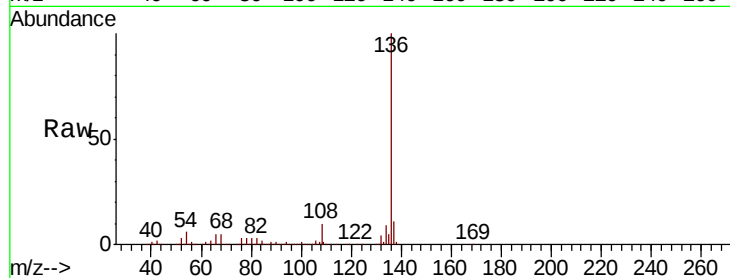
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.3 5.1 7.7

68 5.5 4.3 6.5

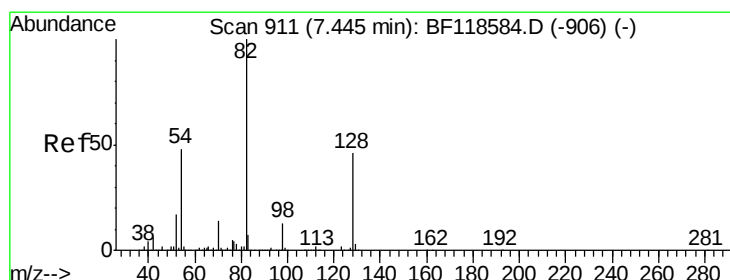
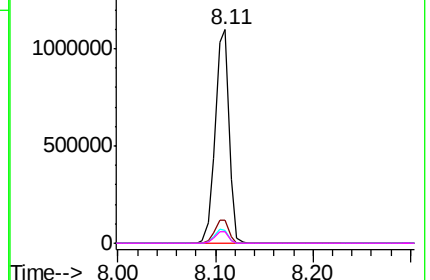
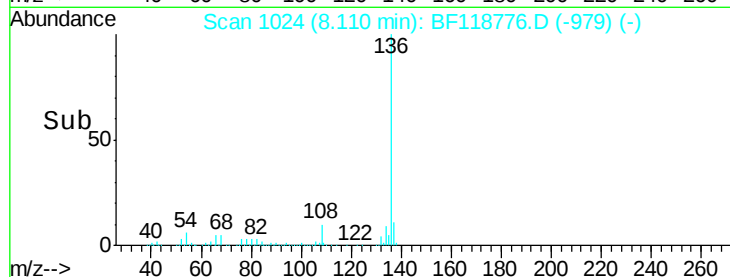


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.714 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.04 min

Lab File: BF118776.D

Acq: 31 Jan 2020 12:39

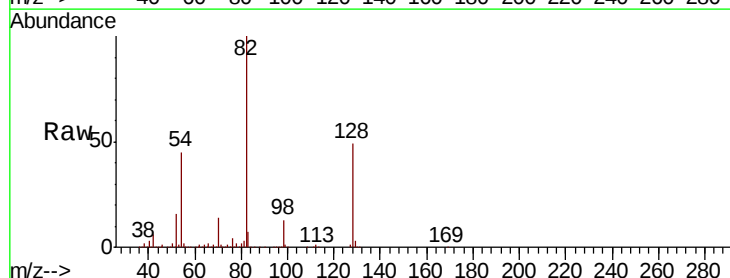
Tgt Ion: 82 Resp: 1344731

Ion Ratio Lower Upper

82 100

128 49.2 38.2 57.2

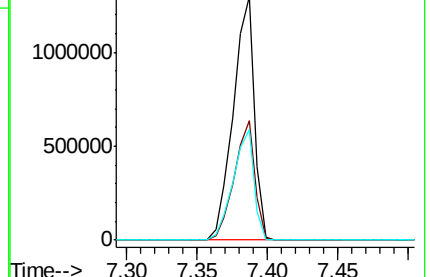
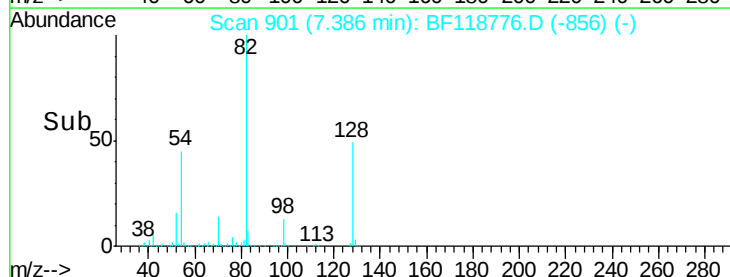
54 45.3 36.1 54.1

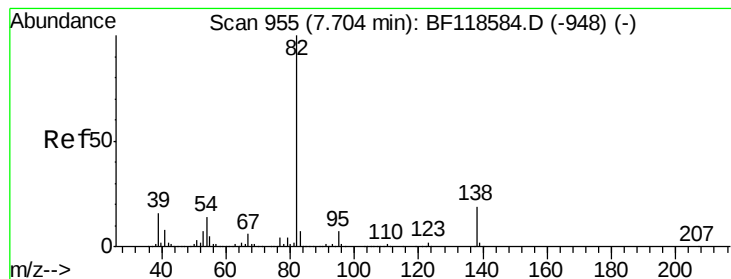


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.527 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.29 min

Lab File: BF118776.D

Acq: 31 Jan 2020 12:39

Instrument :

BNA_F

ClientSampleId :

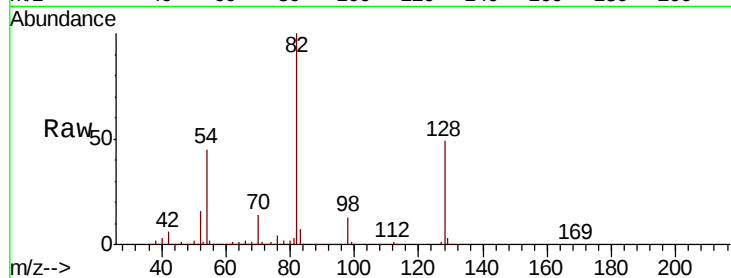
Tot Ion: 82 Resp: 1320310

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

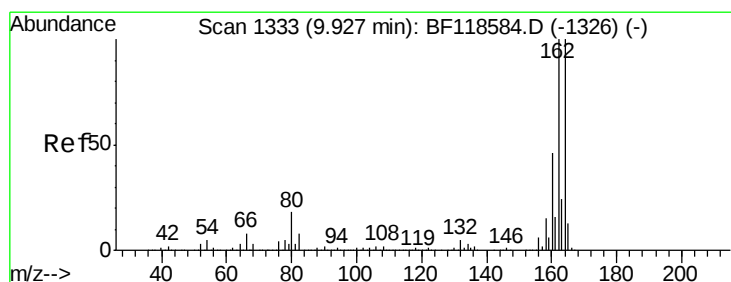
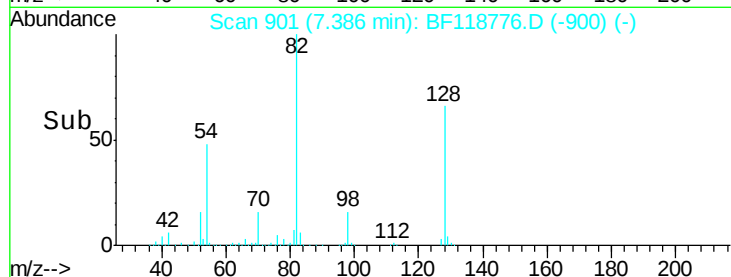
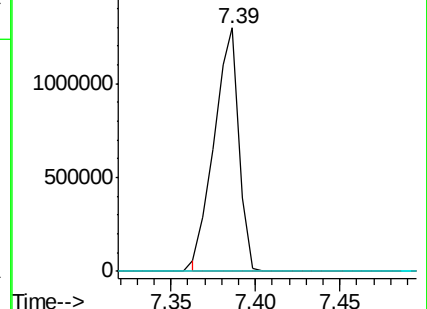
138 0.0 15.8 23.8#



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: 9.86 min Scan# 1322

Delta R.T. -0.04 min

Lab File: BF118776.D

Acq: 31 Jan 2020 12:39

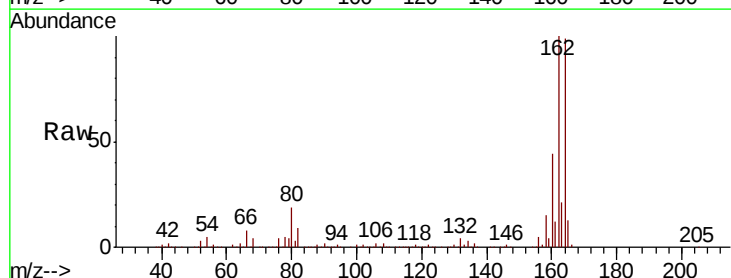
Tgt Ion:164 Resp: 619163

Ion Ratio Lower Upper

164 100

162 101.2 80.8 121.2

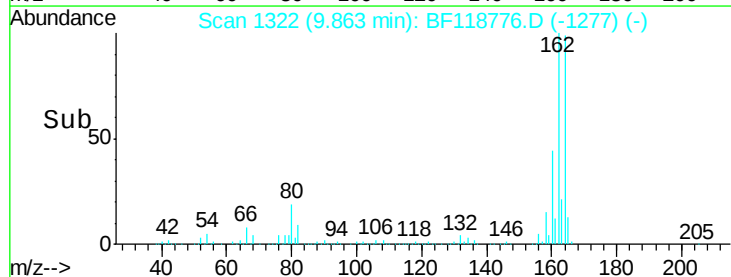
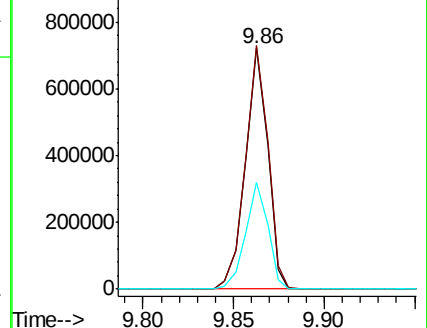
160 44.4 35.4 53.0

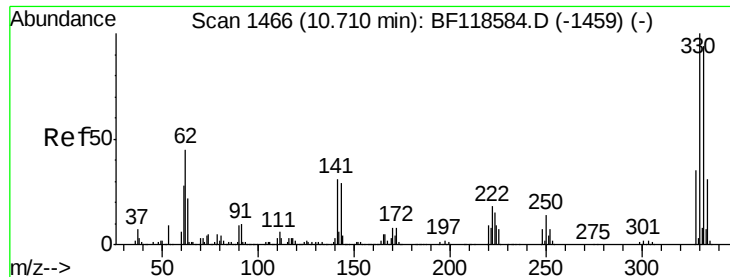


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

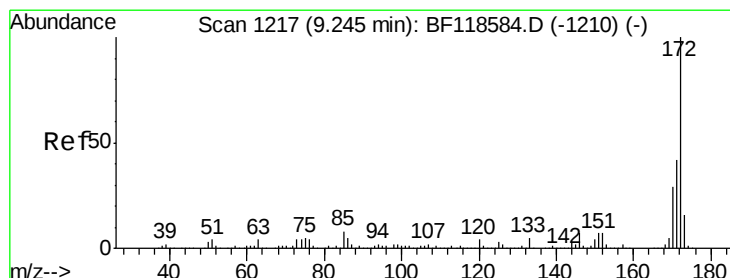
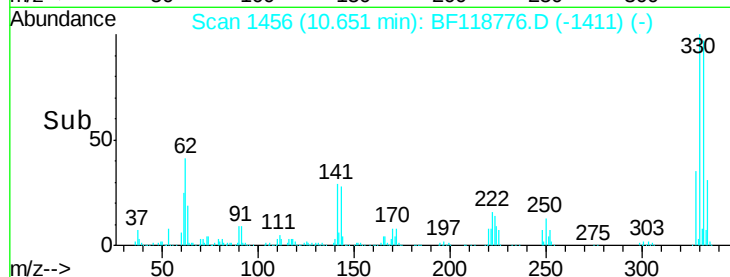
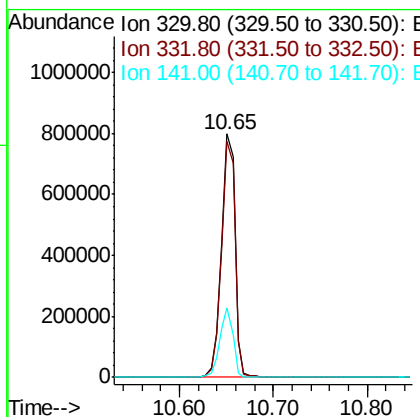
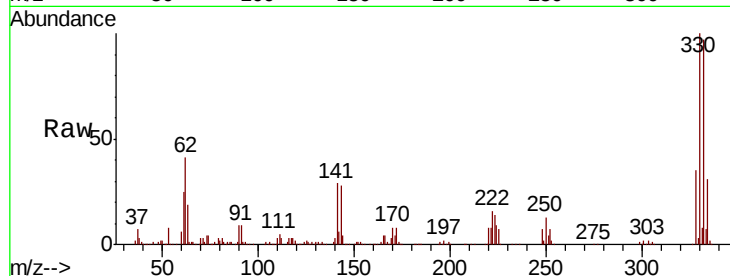




#42
 2,4,6-Tribromophenol
 Concen: 113.598 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.04 min
 Lab File: BF118776.D
 Acq: 31 Jan 2020 12:39

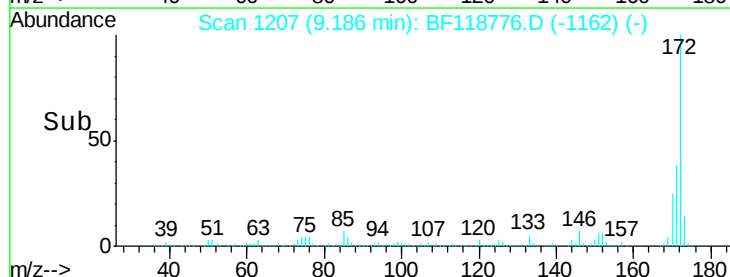
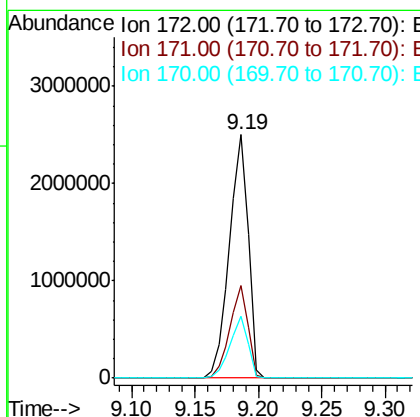
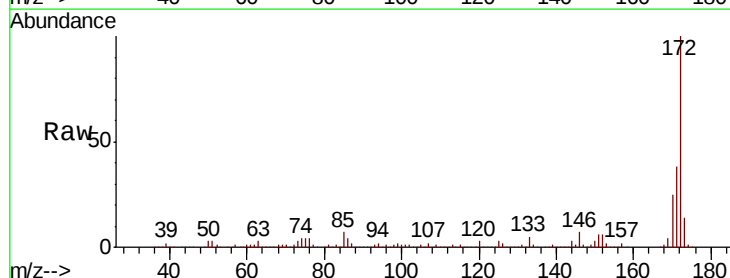
Instrument :
 BNA_F
 ClientSampleId :

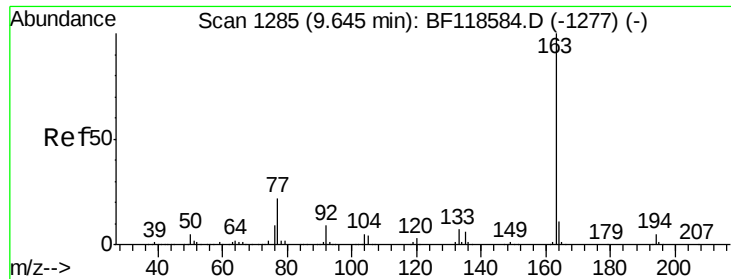
Tot Ion:330 Resp: 813520
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.6 116.4
 141 27.5 22.2 33.2



#45
 2-Fluorobiphenyl
 Concen: 67.920 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.04 min
 Lab File: BF118776.D
 Acq: 31 Jan 2020 12:39

Tgt Ion:172 Resp: 2558599
 Ion Ratio Lower Upper
 172 100
 171 37.9 31.0 46.4
 170 25.2 20.7 31.1

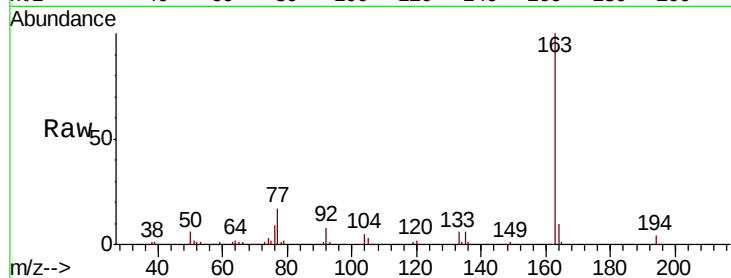




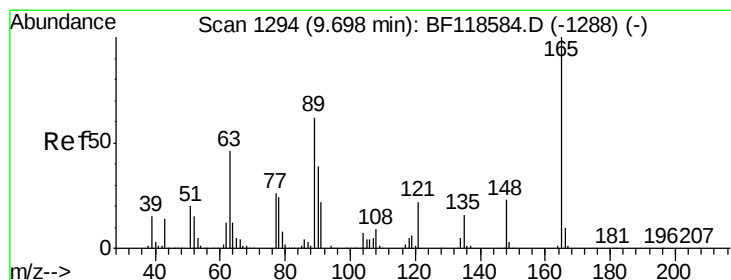
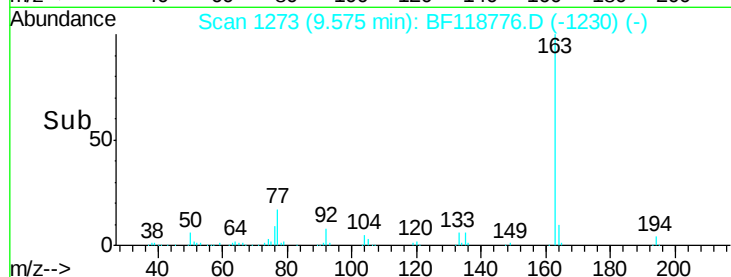
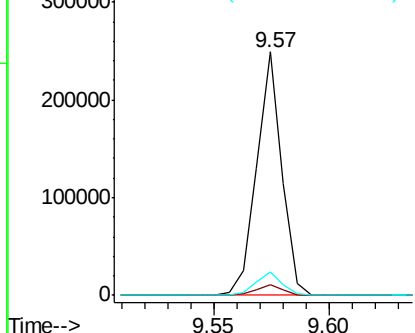
#50
Dimethylphthalate
Concen: 4.694 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.05 min
Lab File: BF118776.D
Acq: 31 Jan 2020 12:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.7	5.5
164	9.7	8.2	12.2

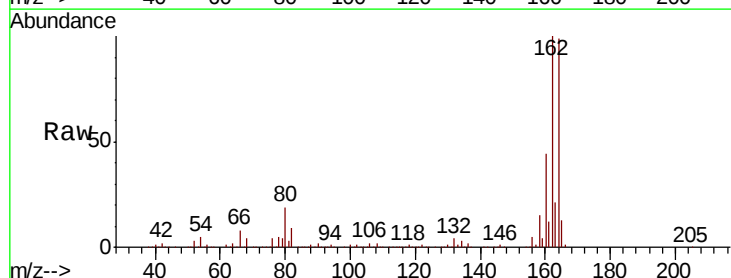


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

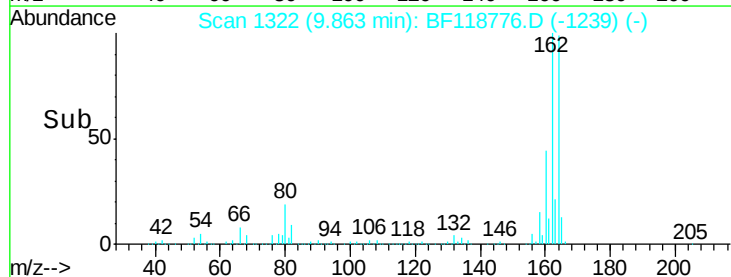
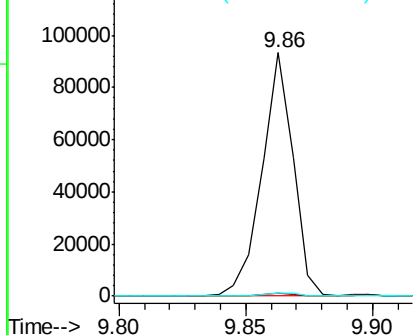


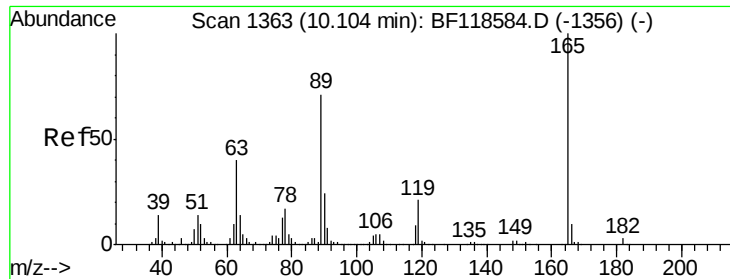
#51
2,6-Dinitrotoluene
Concen: 8.919 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.19 min
Lab File: BF118776.D
Acq: 31 Jan 2020 12:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.8	59.6#
89	1.2	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

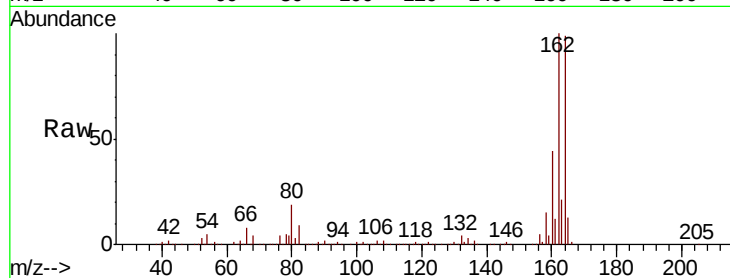




#57
 2,4-Dinitrotoluene
 Concen: 7.075 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.22 min
 Lab File: BF118776.D
 Acq: 31 Jan 2020 12:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.5	42.7#
89	1.2	50.4	75.6#
182	0.0	2.3	3.5#

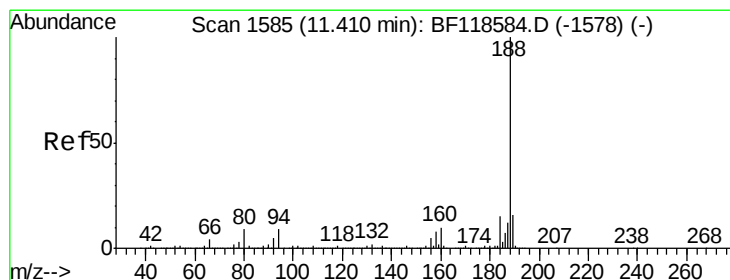
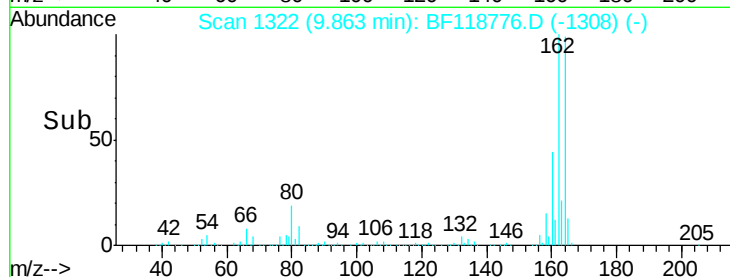
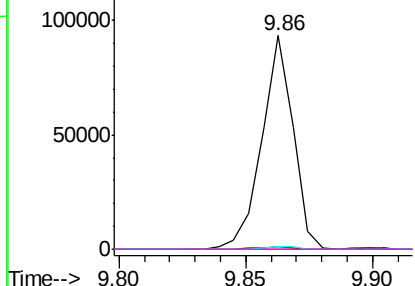


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

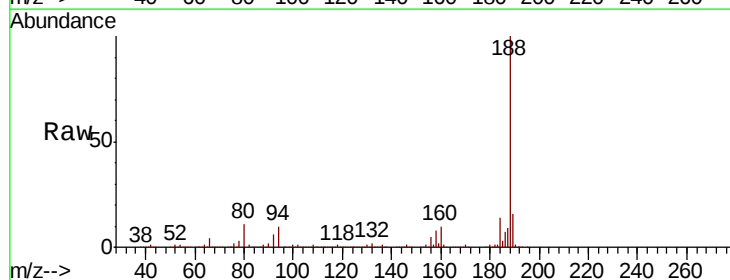
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.04 min
 Lab File: BF118776.D
 Acq: 31 Jan 2020 12:39

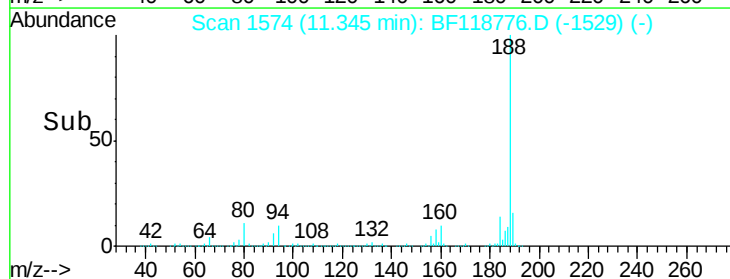
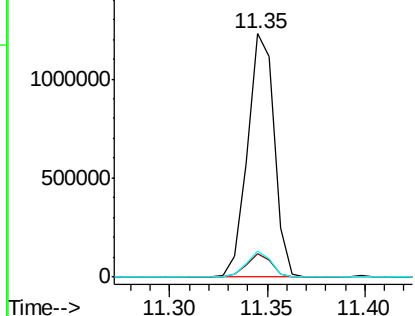
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.4	11.2
80	10.7	7.8	11.8

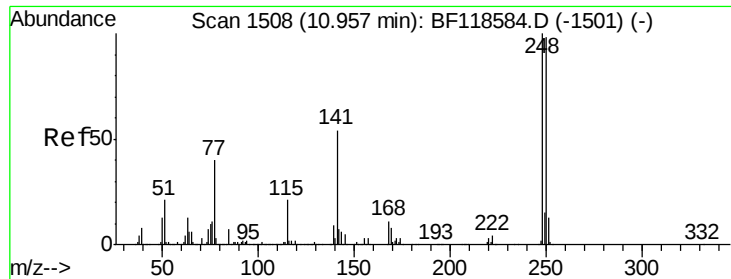


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

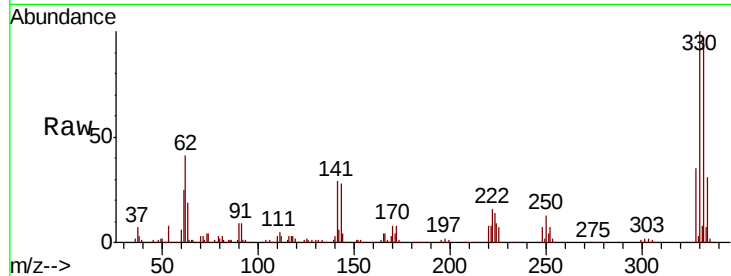




#67
 4-Bromophenyl-phenylether
 Concen: 3.657 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.28 min
 Lab File: BF118776.D
 Acq: 31 Jan 2020 12:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	199.7	78.7	118.1#
141	428.5	48.4	72.6#

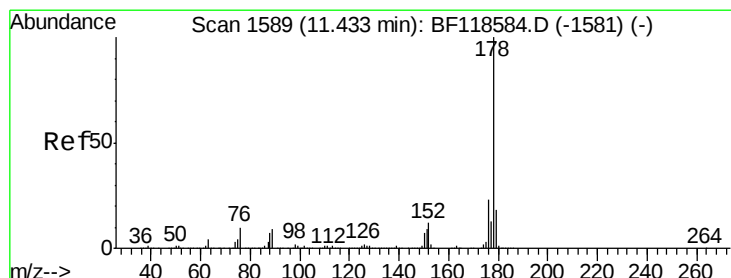
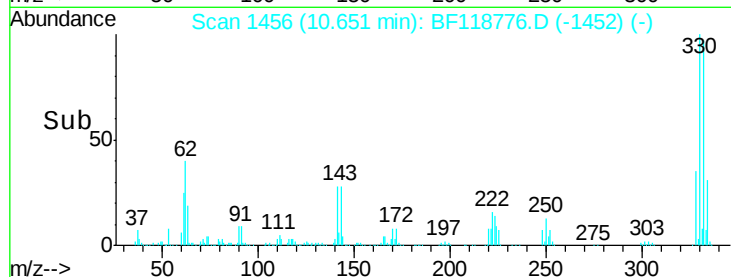
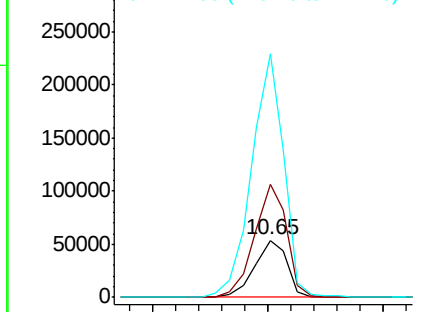


Abundance

Ion 248.00 (247.70 to 248.70): E

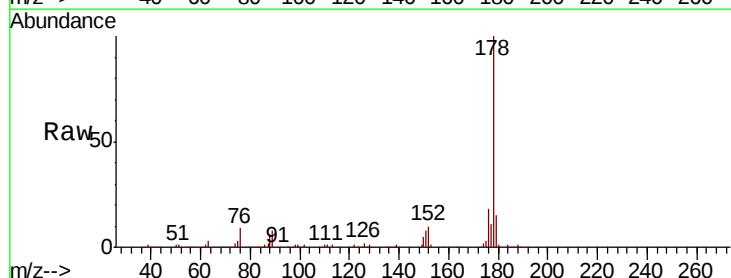
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 3.478 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.04 min
 Lab File: BF118776.D
 Acq: 31 Jan 2020 12:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	16.5	24.7
179	15.2	13.3	19.9

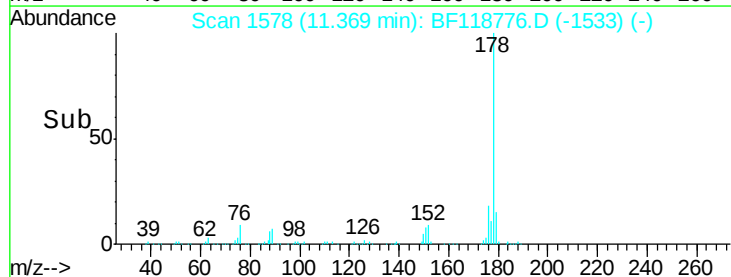
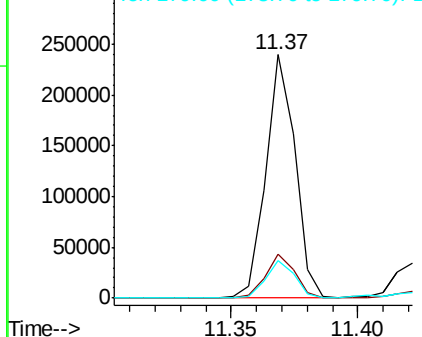


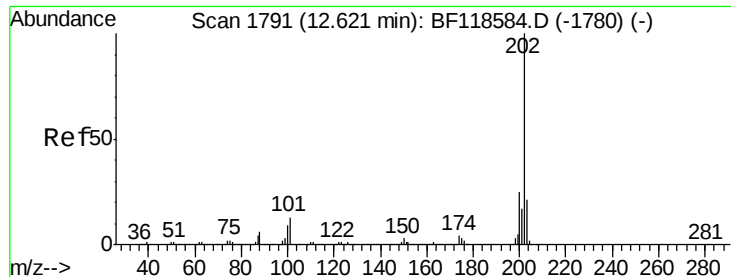
Abundance

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: 5.666 ng

RT: 12.56 min Scan# 1780

Delta R.T. -0.04 min

Lab File: BF118776.D

Acq: 31 Jan 2020 12:39

Instrument :

BNA_F

ClientSampled :

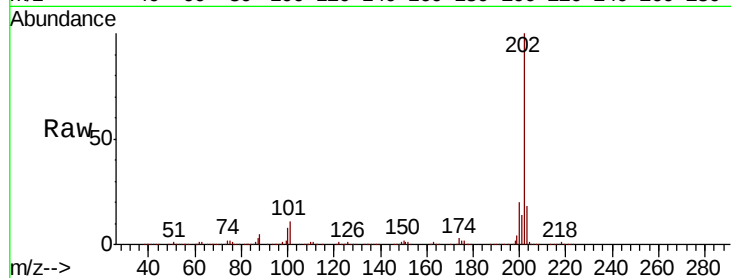
Tot Ion:202 Resp: 334924

Ion Ratio Lower Upper

202 100

101 10.9 0.0 32.1

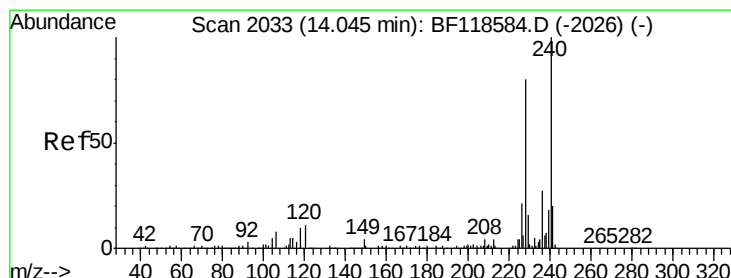
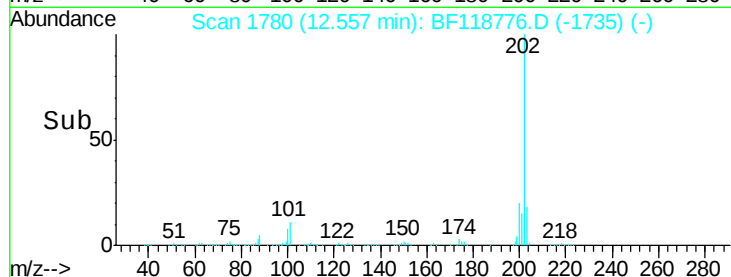
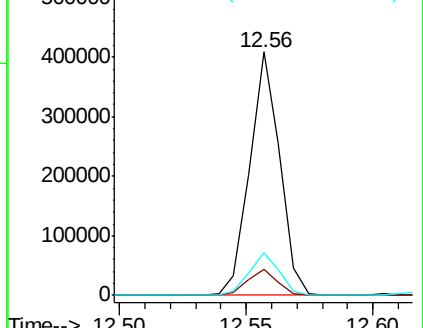
203 17.6 0.0 38.9



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. -0.04 min

Lab File: BF118776.D

Acq: 31 Jan 2020 12:39

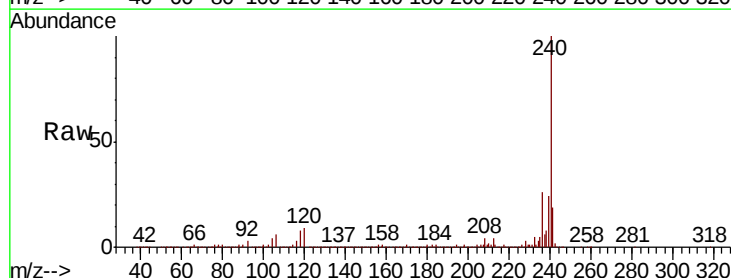
Tgt Ion:240 Resp: 748461

Ion Ratio Lower Upper

240 100

120 9.0 7.6 11.4

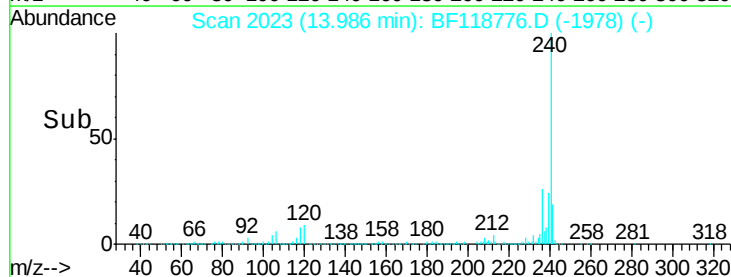
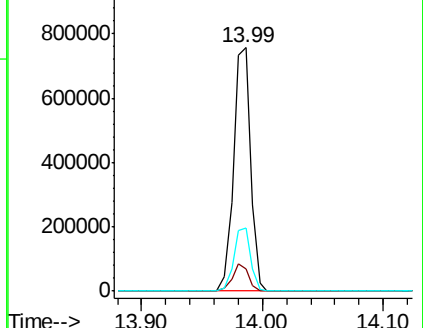
236 25.9 21.0 31.4

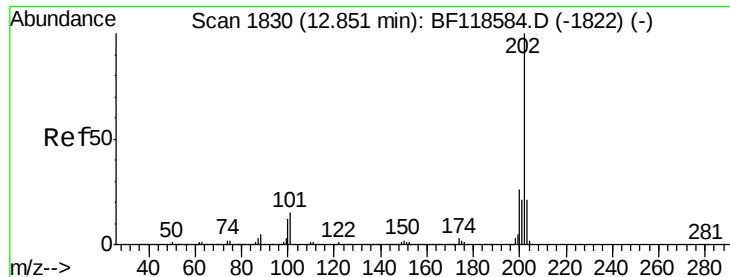


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 5.858 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.04 min

Lab File: BF118776.D

Acq: 31 Jan 2020 12:39

Instrument :

BNA_F

ClientSampleId :

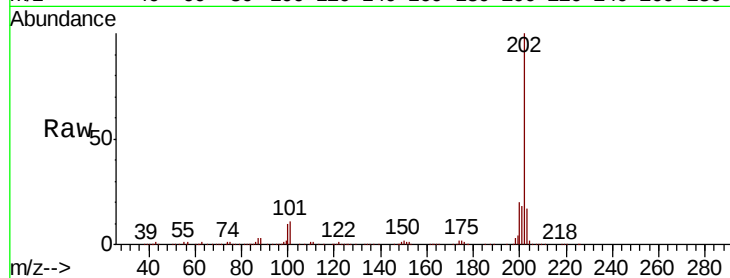
Tot Ion:202 Resp: 297652

Ion Ratio Lower Upper

202 100

200 20.2 18.1 27.1

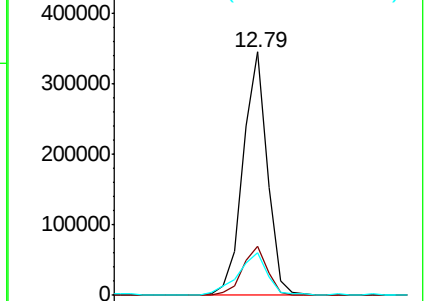
203 17.5 15.2 22.8



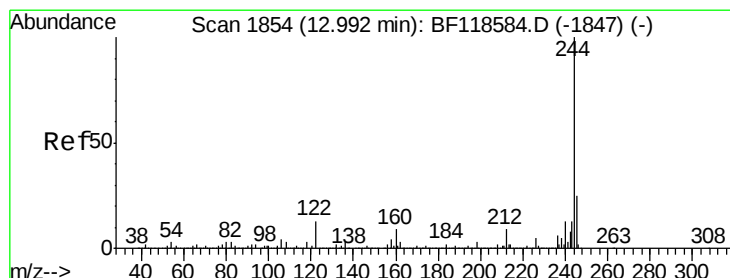
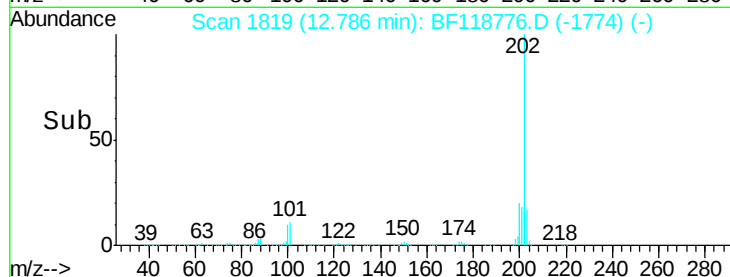
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#79

Terphenyl-d14

Concen: 87.423 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.03 min

Lab File: BF118776.D

Acq: 31 Jan 2020 12:39

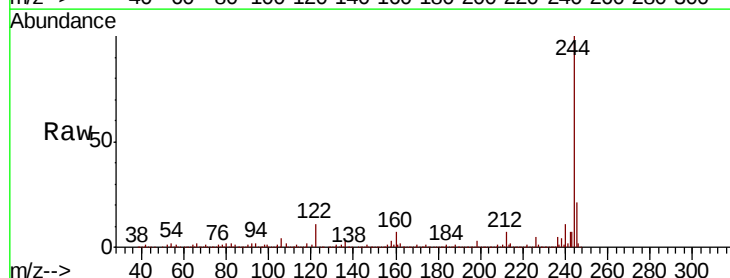
Tgt Ion:244 Resp: 3000001

Ion Ratio Lower Upper

244 100

212 7.5 6.3 9.5

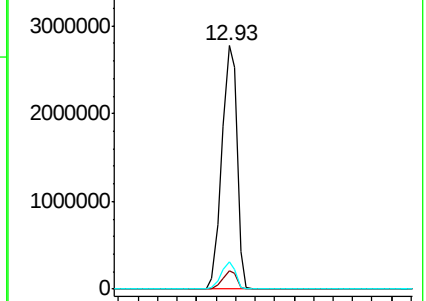
122 11.2 9.2 13.8



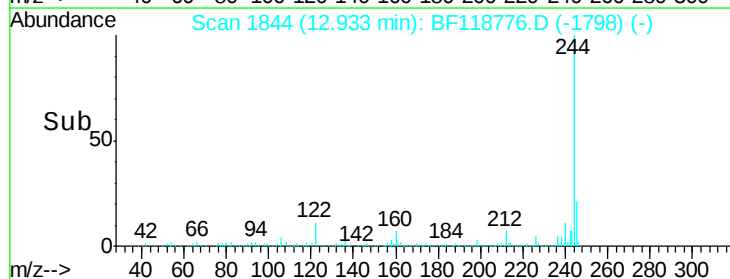
Abundance Ion 244.00 (243.70 to 244.70): E

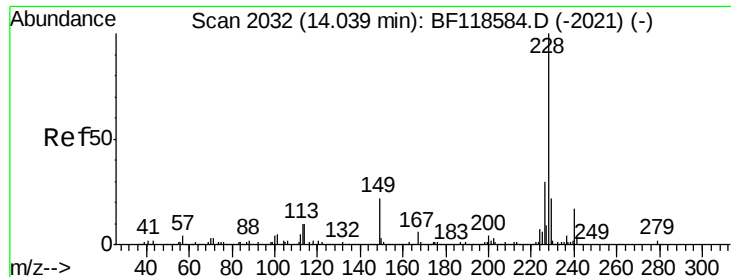
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

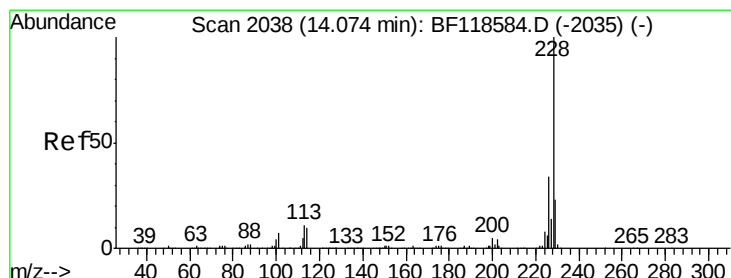
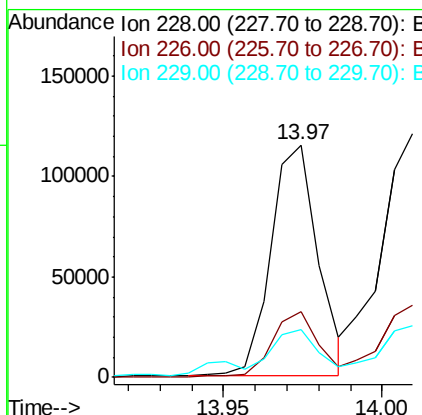
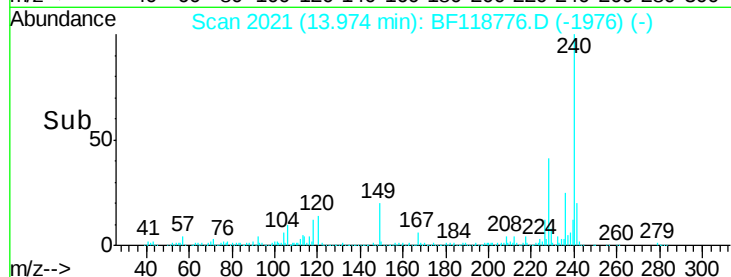
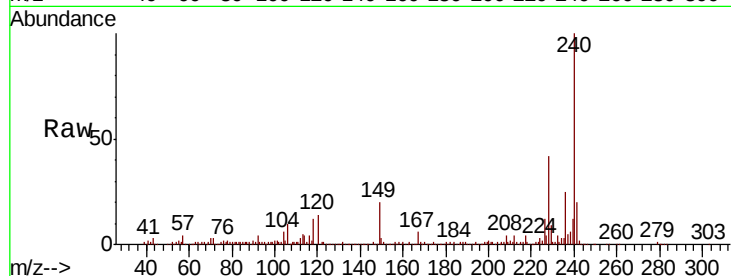




#81
Benzo(a)anthracene
Concen: 2.656 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.04 min
Lab File: BF118776.D
Acq: 31 Jan 2020 12:39

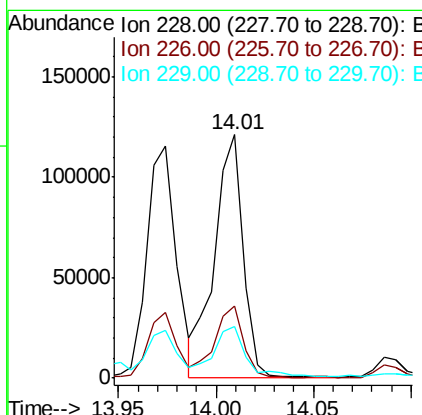
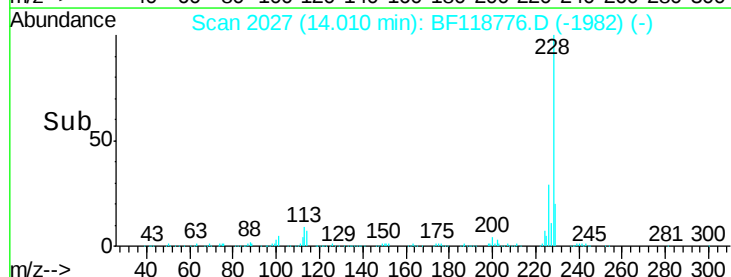
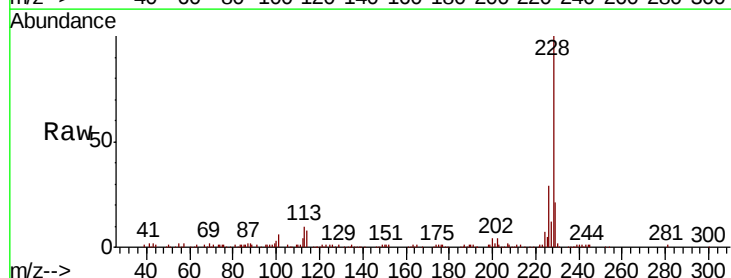
Instrument :
BNA_F
ClientSampleId :

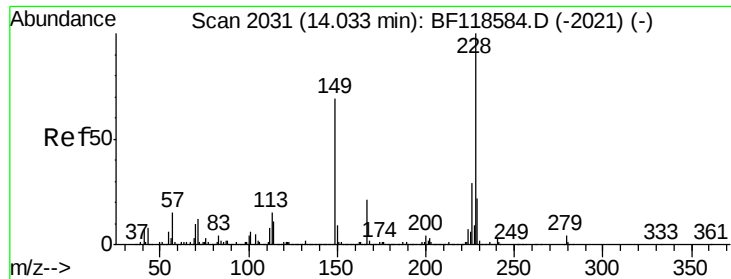
Tot Ion:228 Resp: 119593
Ion Ratio Lower Upper
228 100
226 28.5 22.6 34.0
229 20.6 16.6 25.0



#83
Chrysene
Concen: 2.867 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.04 min
Lab File: BF118776.D
Acq: 31 Jan 2020 12:39

Tgt Ion:228 Resp: 123704
Ion Ratio Lower Upper
228 100
226 29.4 25.6 38.4
229 21.3 17.1 25.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.032 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.03 min

Lab File: BF118776.D

Acq: 31 Jan 2020 12:39

Instrument :

BNA_F

ClientSampleId :

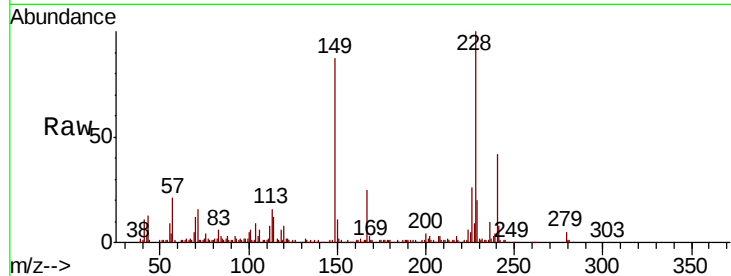
Tot Ion:149 Resp: 77047

Ion Ratio Lower Upper

149 100

167 28.0 23.6 35.4

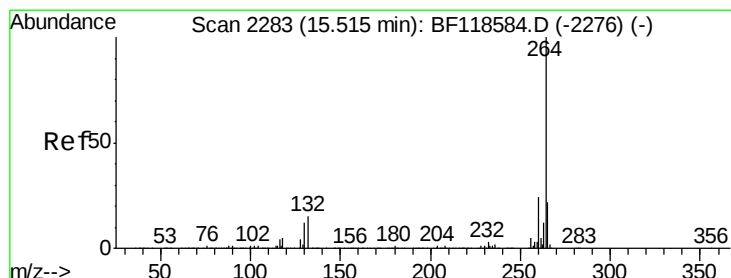
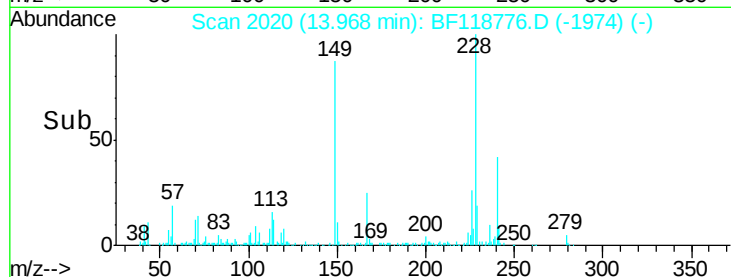
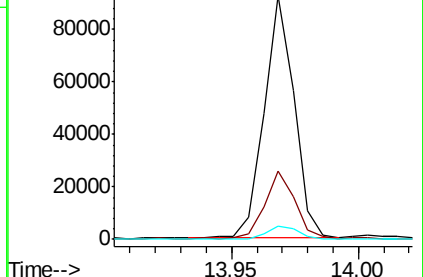
279 5.3 4.5 6.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.04 min

Lab File: BF118776.D

Acq: 31 Jan 2020 12:39

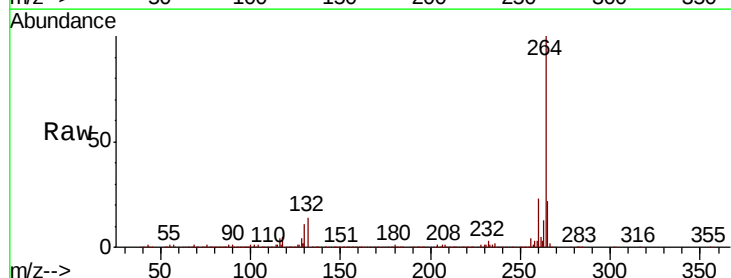
Tgt Ion:264 Resp: 627970

Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

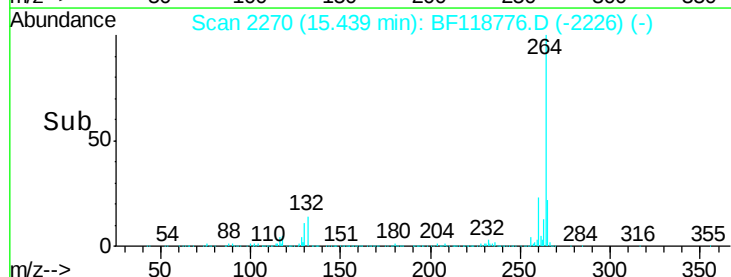
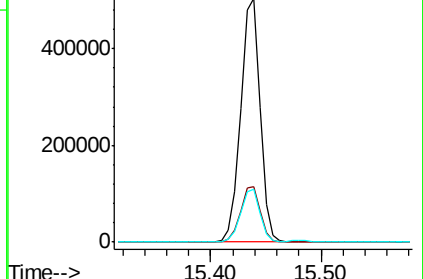
265 21.6 17.0 25.6

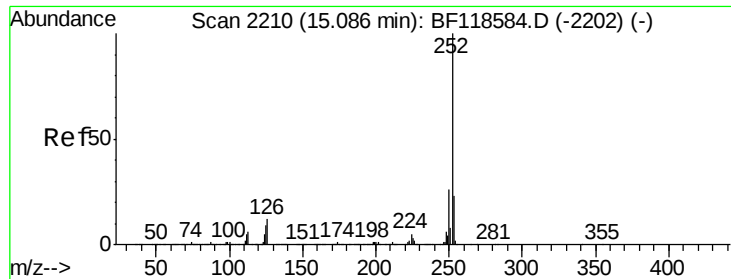


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

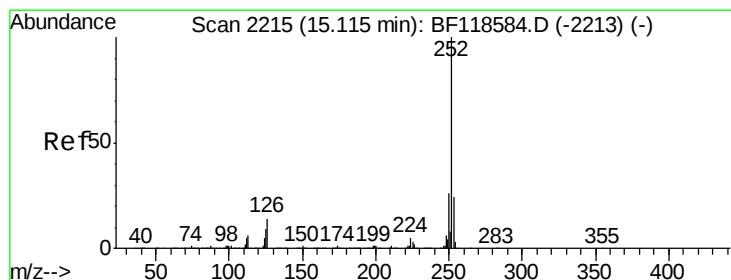
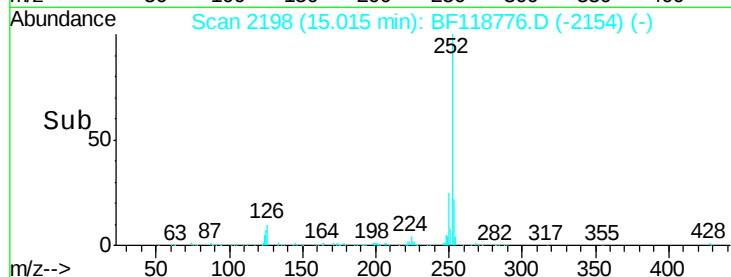
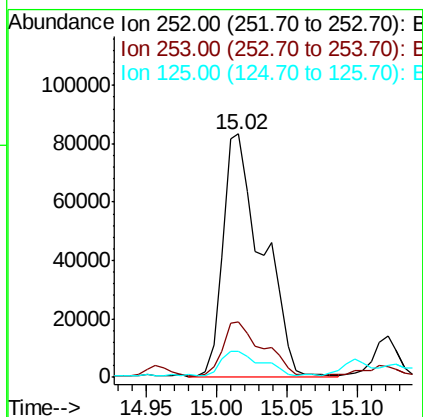
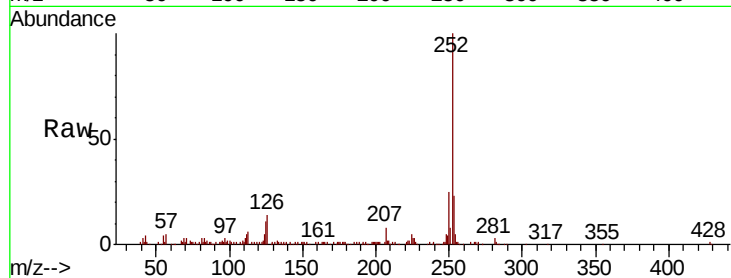




#88
Benzo(b)fluoranthene
Concen: 4.078 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF118776.D
Acq: 31 Jan 2020 12:39

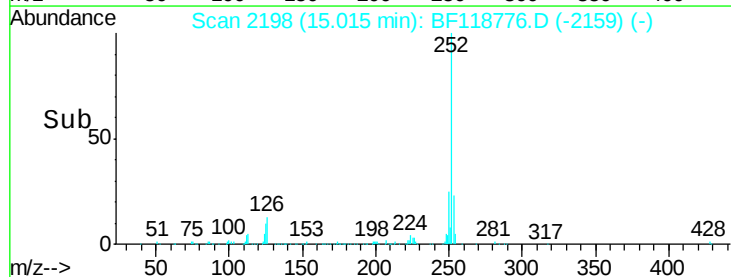
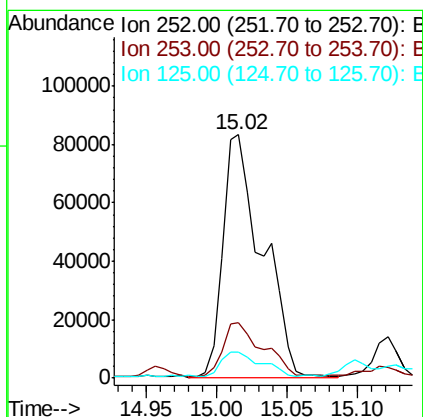
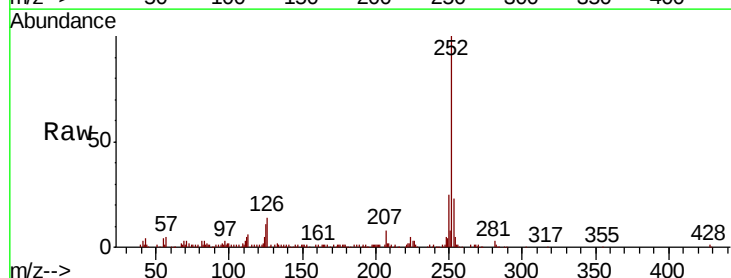
Instrument :
BNA_F
ClientSampleId :

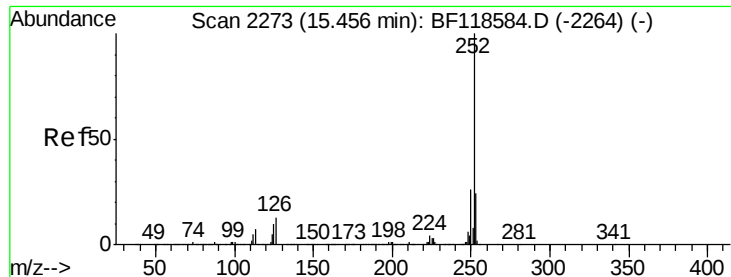
Tot Ion:252 Resp: 160962
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.4
125 10.5 7.7 11.5



#89
Benzo(k)fluoranthene
Concen: 4.402 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.07 min
Lab File: BF118776.D
Acq: 31 Jan 2020 12:39

Tgt Ion:252 Resp: 160962
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 10.5 8.1 12.1





#90

Benzo(a)pyrene

Concen: 2.359 ng

RT: 15.37 min Scan# 2258

Delta R.T. -0.05 min

Lab File: BF118776.D

Acq: 31 Jan 2020 12:39

Instrument :

BNA_F

ClientSampleId :

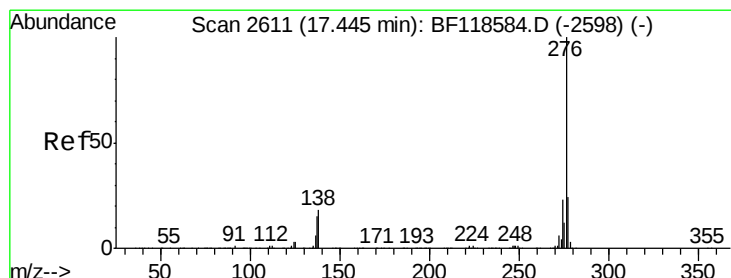
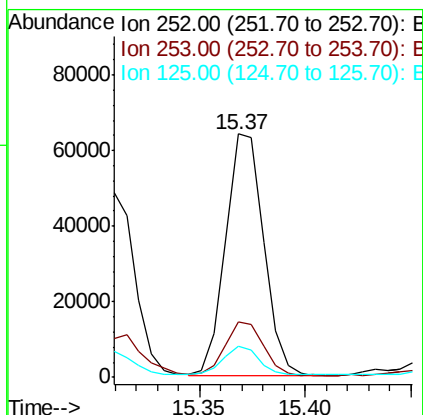
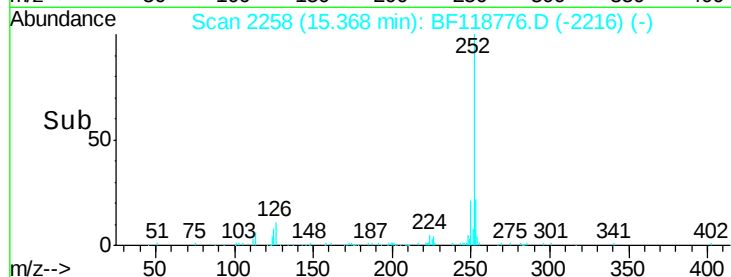
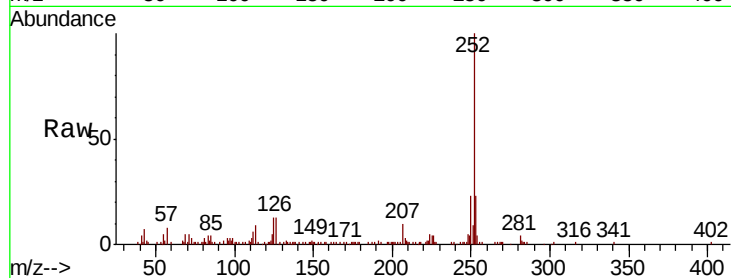
Tot Ion:252 Resp: 80334

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.4

125 12.8 8.3 12.5#



#92

Benzo(g,h,i)perylene

Concen: 2.090 ng

RT: 17.30 min Scan# 2587

Delta R.T. -0.09 min

Lab File: BF118776.D

Acq: 31 Jan 2020 12:39

Tgt Ion:276 Resp: 61116

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.6

138 21.0 15.4 23.2

