

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
 Data File : BF120066.D
 Acq On : 17 Apr 2020 18:26
 Operator : MA/SJ
 Sample : L2283-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 01:35:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 10:51:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	172264	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	573488	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	289770	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	431707	20.00	ng	0.00
76) Chrysene-d12	13.90	240	287784	20.00	ng	0.00
87) Perylene-d12	15.34	264	249365	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	867107	86.99	ng	0.01
7) Phenol-d6	6.37	99	1008381	78.51	ng	0.00
23) Nitrobenzene-d5	7.29	82	715929	64.58	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	202215	57.00	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1324196	64.88	ng	0.00
79) Terphenyl-d14	12.85	244	980452	57.33	ng	0.00

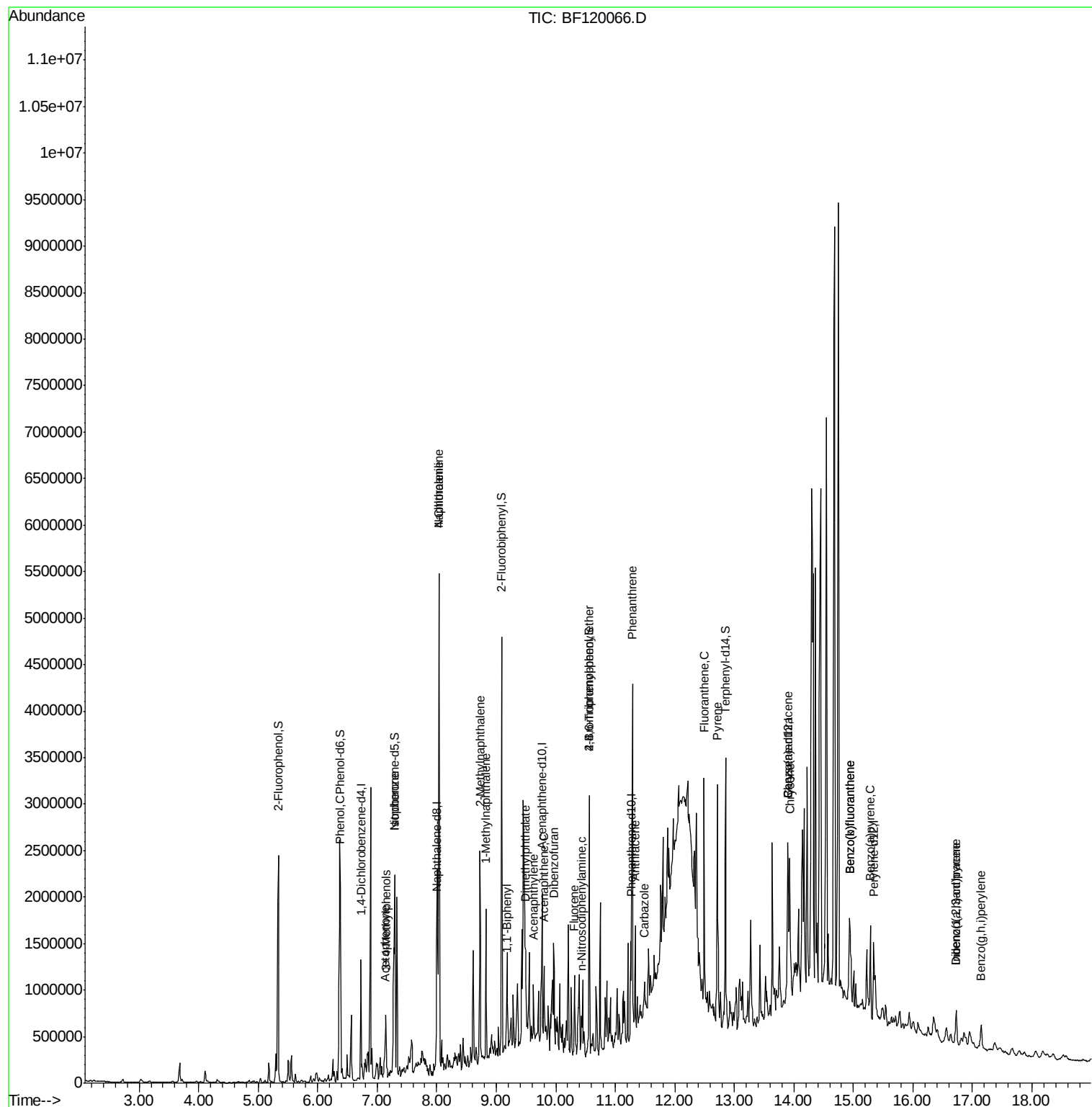
Target Compounds				Qvalue		
9) Benzaldehyde	6.27	77	9537	Below Cal	#	1
10) Phenol	6.39	94	472729	32.442	ng	87
20) 3+4-Methylphenols	7.15	107	172412	14.183	ng	# 66
22) Acetophenone	7.13	105	86644	6.452	ng	# 92
25) Isophorone	7.29	82	687989	32.195	ng	# 65
31) Naphthalene	8.04	128	2525250	83.693	ng	99
33) 4-Chloroaniline	8.04	127	353156	26.886	ng	# 31
37) 2-Methylnaphthalene	8.73	142	537056	26.254	ng	99
38) 1-Methylnaphthalene	8.83	142	388003	20.124	ng	99
46) 1,1'-Biphenyl	9.19	154	119910	4.903	ng	98
49) Acenaphthylene	9.63	152	92443	3.226	ng	# 89
50) Dimethylphthalate	9.49	163	186717	8.331	ng	99
52) Acenaphthene	9.80	154	149023	7.796	ng	99
55) Dibenzofuran	9.97	168	138934	5.297	ng	# 89
58) Fluorene	10.32	166	195302	9.310	ng	# 98
66) n-Nitrosodiphenylamine	10.43	169	30018	2.091	ng	# 91
67) 4-Bromophenyl-phenylether	10.56	248	13083	2.437	ng	# 1
71) Phenanthrene	11.29	178	1462667	63.661	ng	99
72) Anthracene	11.33	178	413548	17.619	ng	99
73) Carbazole	11.49	167	103654	4.670	ng	97
75) Fluoranthene	12.49	202	978003	39.450	ng	98
78) Pyrene	12.72	202	1004082	41.387	ng	99
81) Benzo(a)anthracene	13.90	228	603209	31.861	ng	96
83) Chrysene	13.93	228	609401	31.679	ng	97
86) Indeno(1,2,3-cd)pyrene	16.73	276	221674	13.073	ng	97
88) Benzo(b)fluoranthene	14.94	252	732917	40.857	ng	# 95
89) Benzo(k)fluoranthene	14.94	252	732917	47.353	ng	# 95
90) Benzo(a)pyrene	15.29	252	433819	28.762	ng	97
91) Dibenzo(a,h)anthracene	16.73	278	63465	4.750	ng	# 83
92) Benzo(g,h,i)perylene	17.14	276	217017	16.456	ng	96

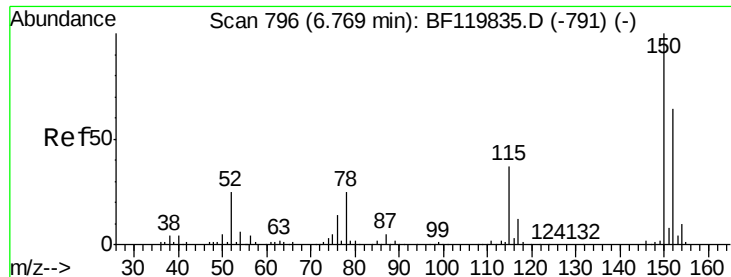
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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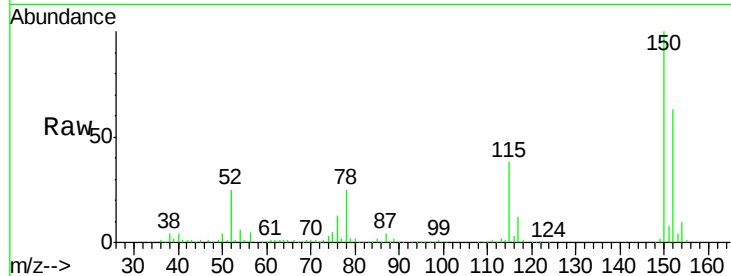


#1

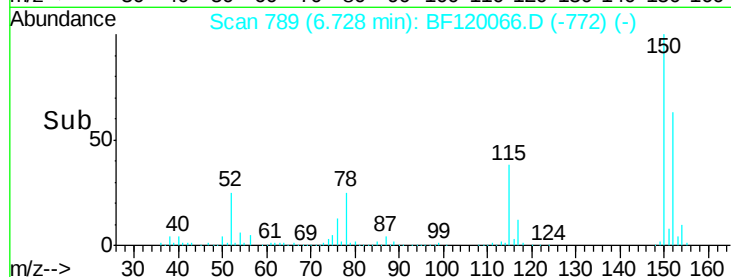
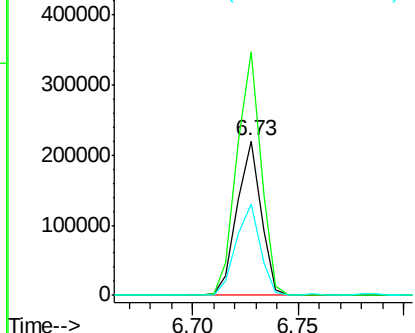
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF120066.D
Acq: 17 Apr 2020 18:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 172264
Ion Ratio Lower Upper
152 100
150 157.7 124.8 187.2
115 59.4 46.5 69.7



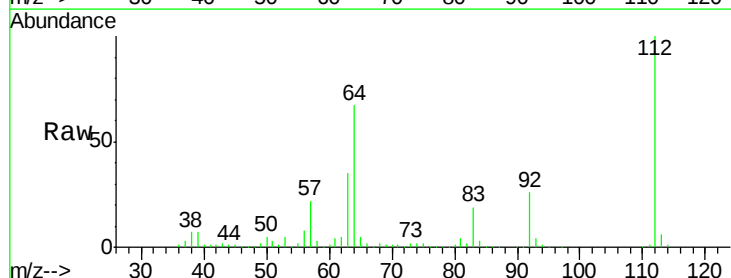
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



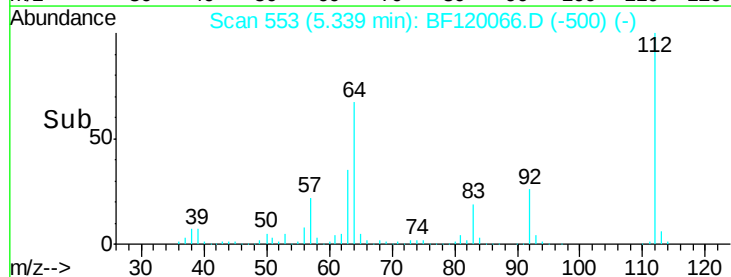
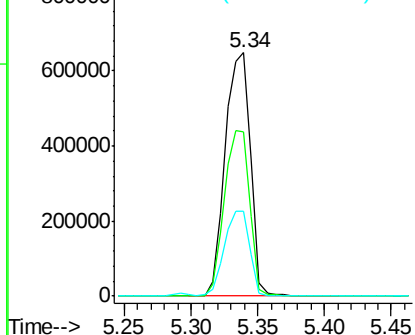
#5

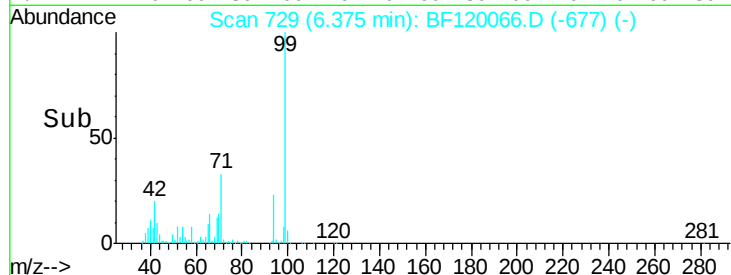
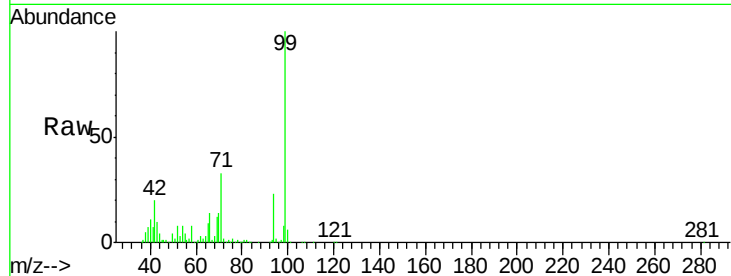
2-Fluorophenol
Concen: 86.990 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF120066.D
Acq: 17 Apr 2020 18:26

Tgt Ion:112 Resp: 867107
Ion Ratio Lower Upper
112 100
64 67.4 55.5 83.3
63 35.1 29.1 43.7



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





#7

Phenol-d6

Concen: 78.509 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

Instrument :

BNA_F

ClientSampled :

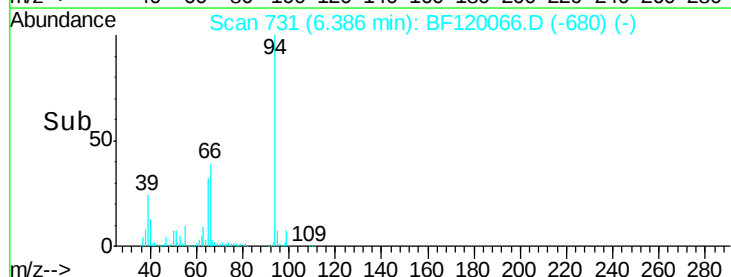
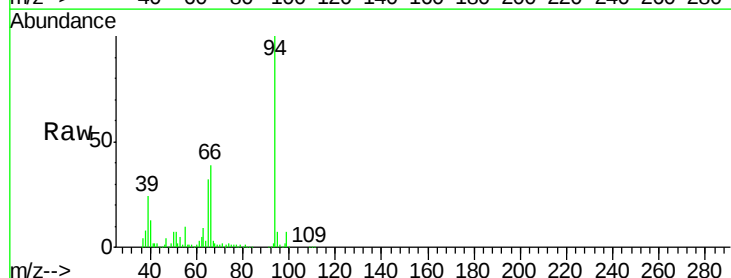
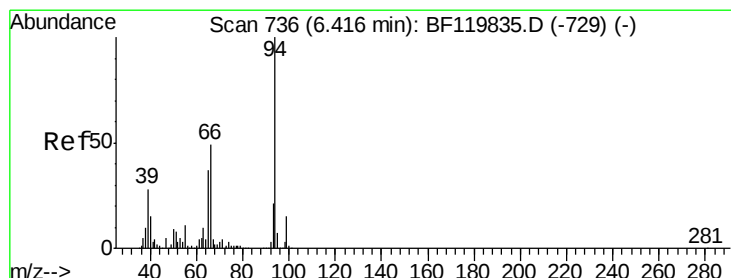
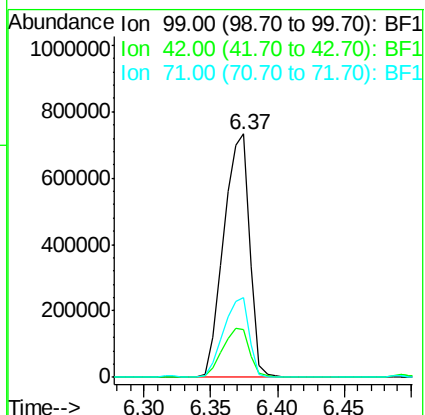
Tot Ion: 99 Resp: 1008381

Ion Ratio Lower Upper

99 100

42 19.8 16.9 25.3

71 32.8 26.3 39.5



#10

Phenol

Concen: 32.442 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

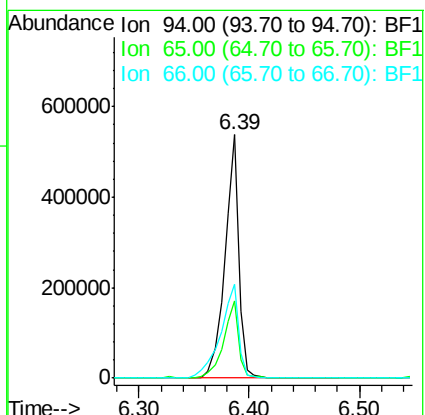
Tgt Ion: 94 Resp: 472729

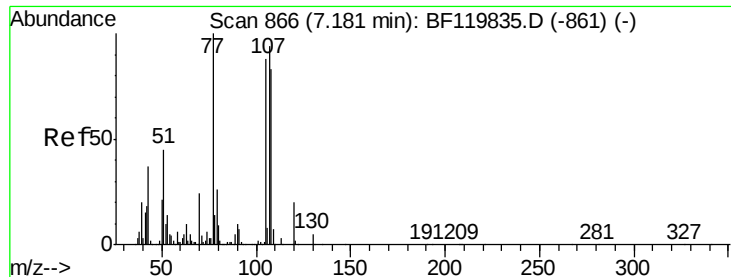
Ion Ratio Lower Upper

94 100

65 31.5 16.6 56.6

66 38.5 29.3 69.3

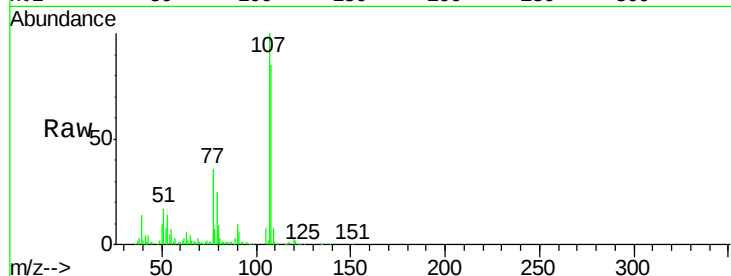




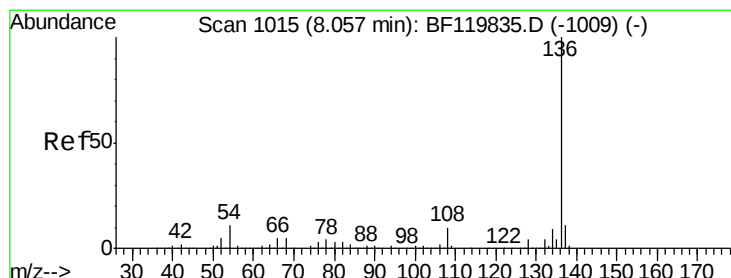
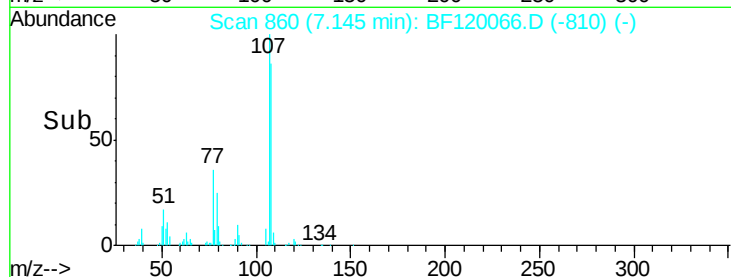
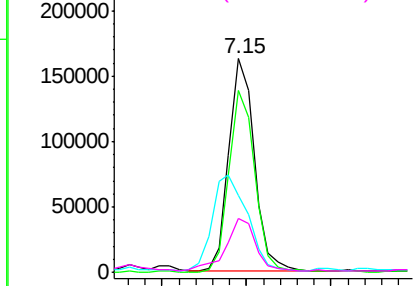
#20
3+4-Methylphenols
Concen: 14.183 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF120066.D
Acq: 17 Apr 2020 18:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107	Resp:	172412
Ion Ratio	Lower	Upper
107	100	
108	85.3	68.2 108.2
77	36.2	86.6 126.6#
79	25.2	7.7 47.7



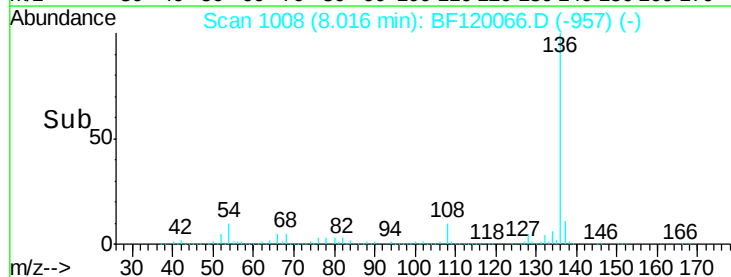
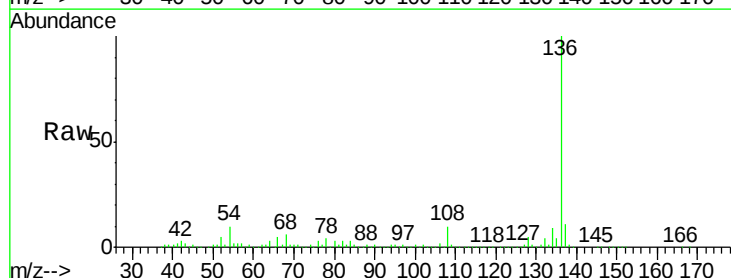
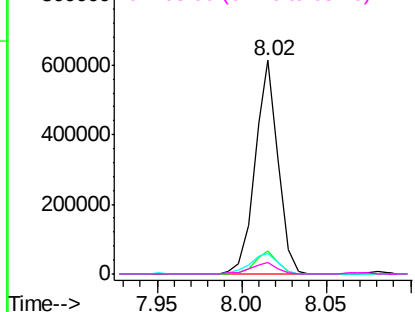
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

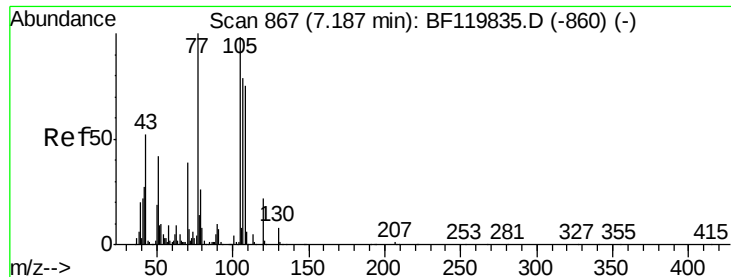


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF120066.D
Acq: 17 Apr 2020 18:26

Tgt Ion:136	Resp:	573488
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.7 13.1
54	9.9	8.5 12.7
68	5.6	3.9 5.9

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





#22

Acetophenone

Concen: 6.452 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF120066.D

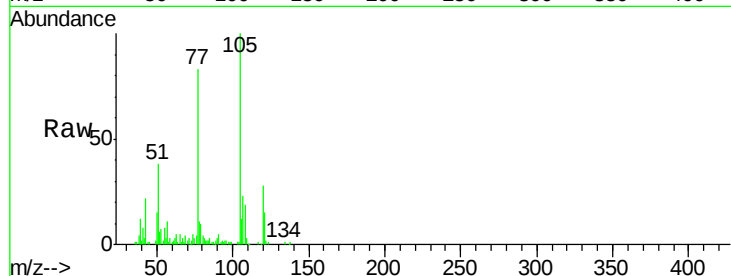
Acq: 17 Apr 2020 18:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	105	Resp:	86644
Ion Ratio	Lower	Upper	
105	100		
71	2.9	5.6	8.4#
51	38.5	33.9	50.9
120	27.8	17.8	26.8#

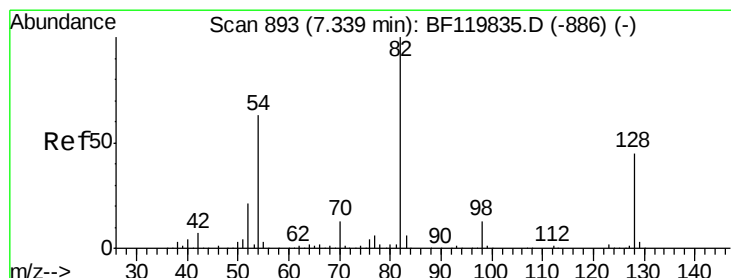
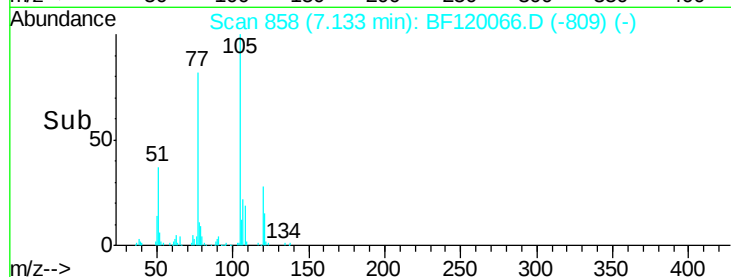
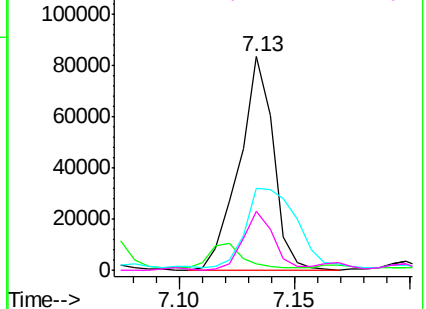


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 64.583 ng

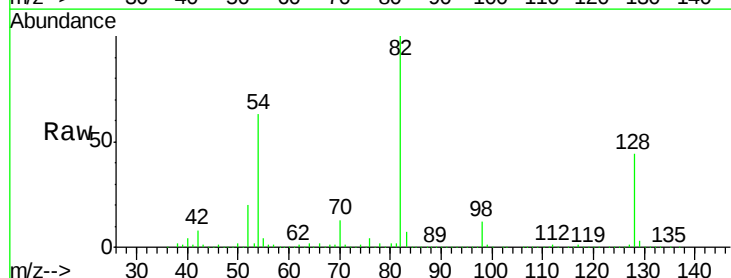
RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

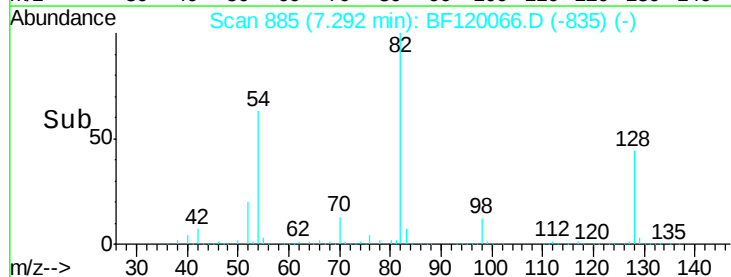
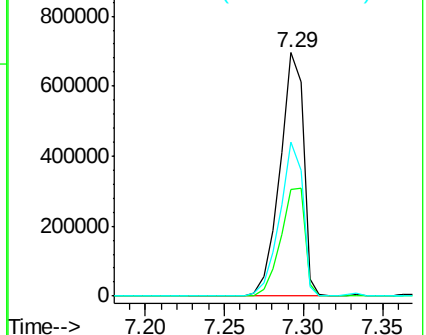
Tgt Ion:	82	Resp:	715929
Ion Ratio	Lower	Upper	
82	100		
128	43.7	36.2	54.4
54	63.2	50.4	75.6

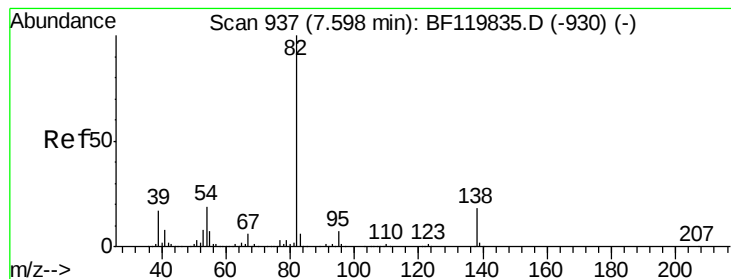


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.195 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

Instrument :

BNA_F

ClientSampleId :

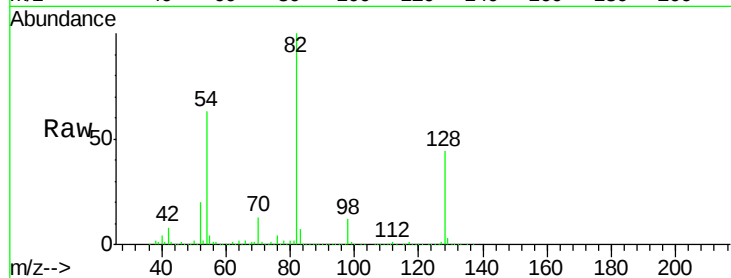
Tot Ion: 82 Resp: 687989

Ion Ratio Lower Upper

82 100

95 0.3 5.8 8.6#

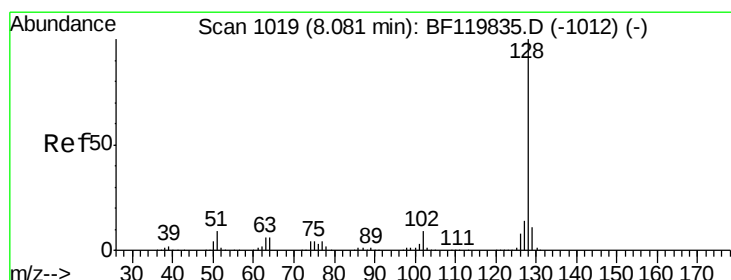
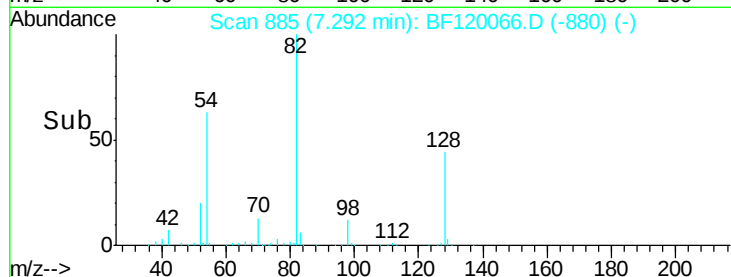
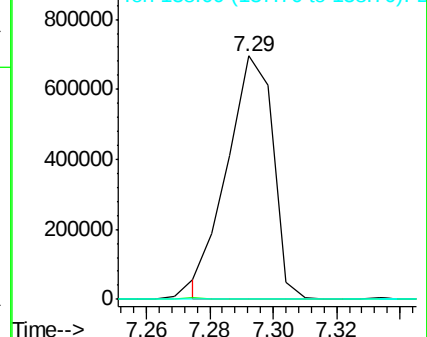
138 0.0 14.5 21.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 83.693 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

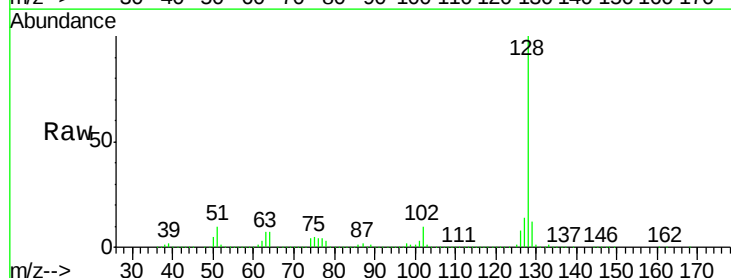
Tgt Ion: 128 Resp: 2525250

Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.6

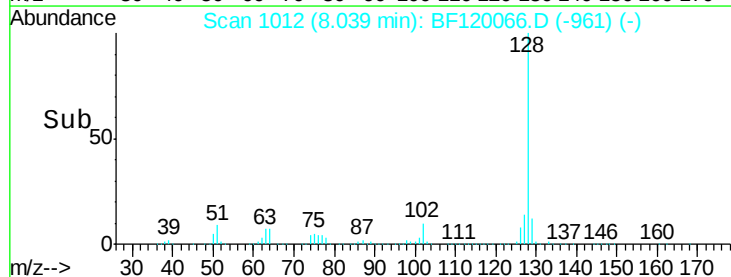
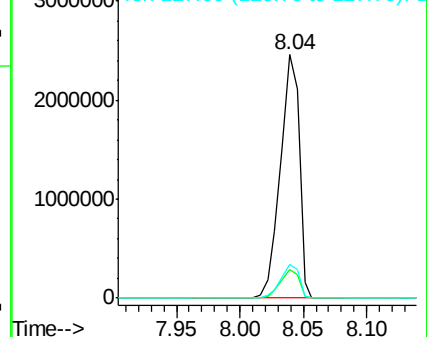
127 13.8 11.0 16.4

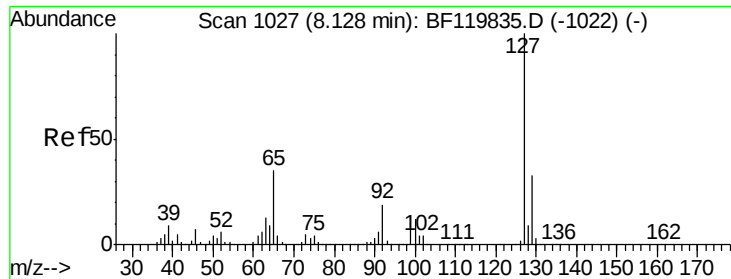


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

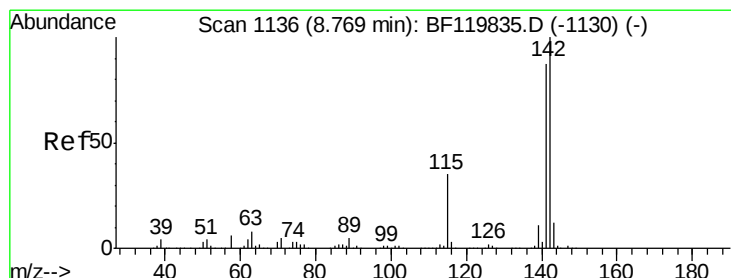
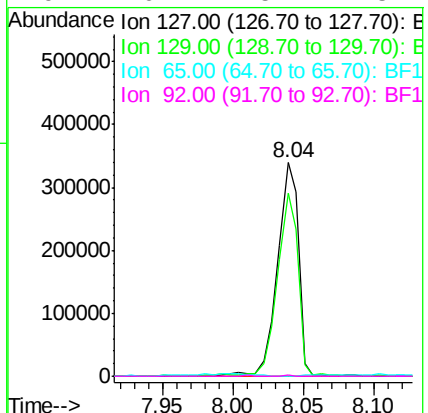
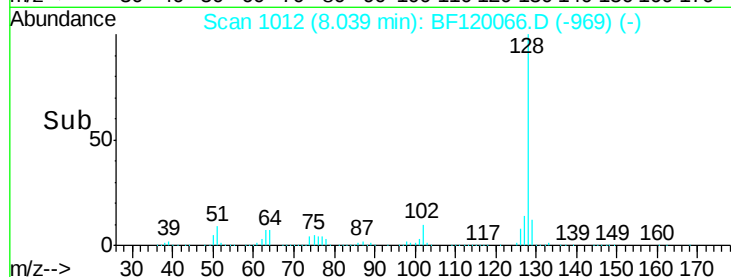
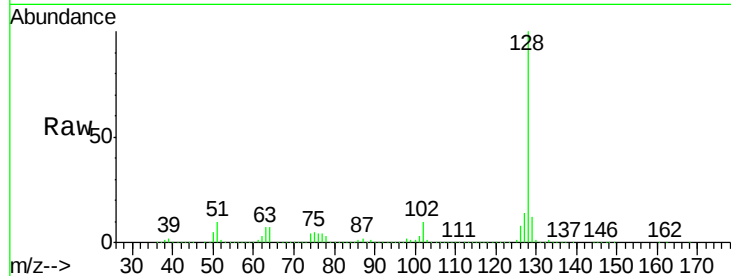




#33
4-Chloroaniline
Concen: 26.886 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.05 min
Lab File: BF120066.D
Acq: 17 Apr 2020 18:26

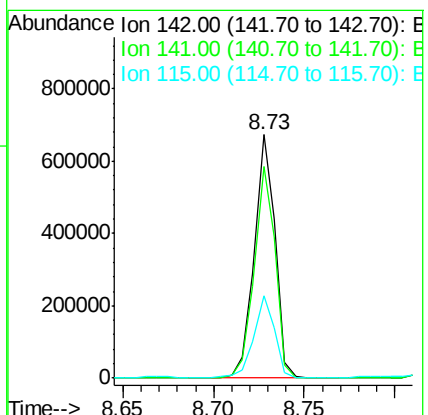
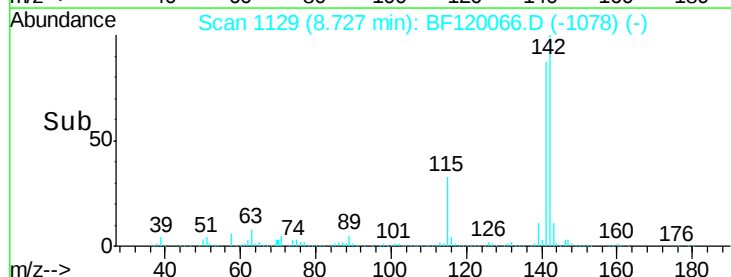
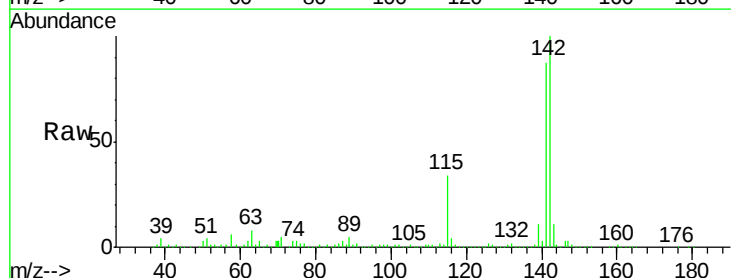
Instrument :
BNA_F
ClientSampleId :

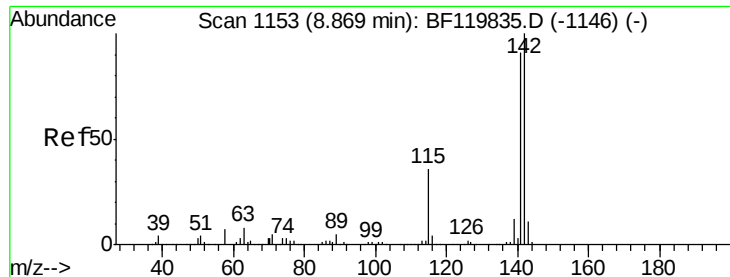
Tot Ion:127	Resp:	353156
Ion Ratio	Lower	Upper
127	100	
129	85.5	26.2 39.2#
65	0.0	28.3 42.5#
92	0.4	15.4 23.2#



#37
2-Methylnaphthalene
Concen: 26.254 ng
RT: 8.73 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BF120066.D
Acq: 17 Apr 2020 18:26

Tgt Ion:142	Resp:	537056
Ion Ratio	Lower	Upper
142	100	
141	87.1	69.9 104.9
115	33.6	28.0 42.0

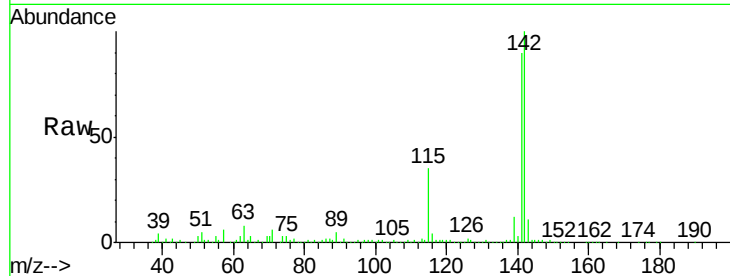




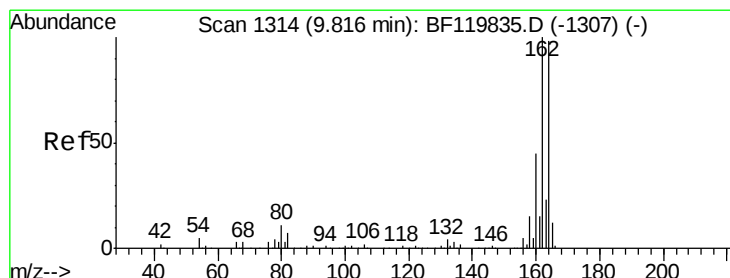
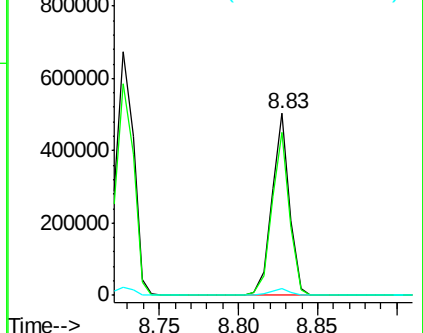
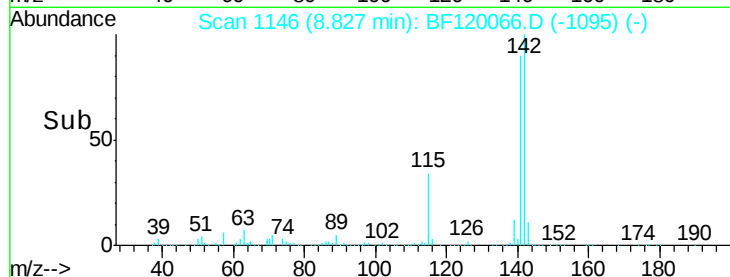
#38
1-Methylnaphthalene
Concen: 20.124 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.00 min
Lab File: BF120066.D
Acq: 17 Apr 2020 18:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 388003
Ion Ratio Lower Upper
142 100
141 89.7 72.9 109.3
116 3.7 3.0 4.6

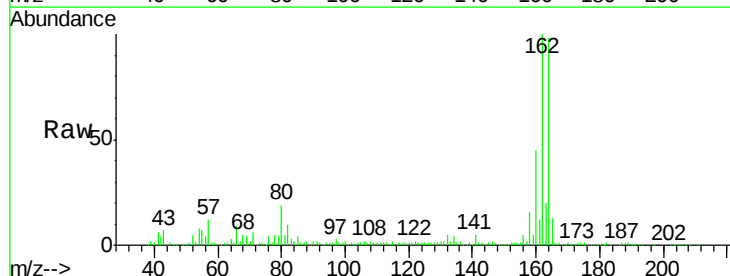


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

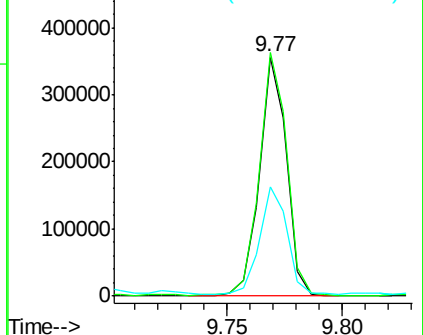
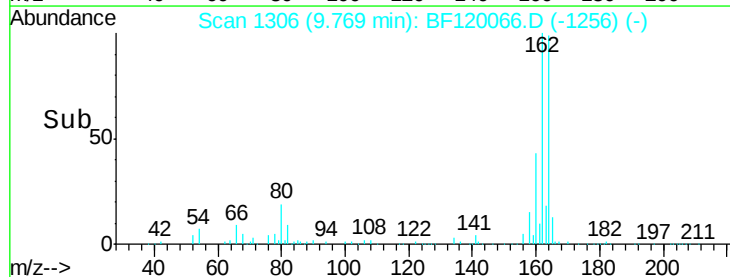


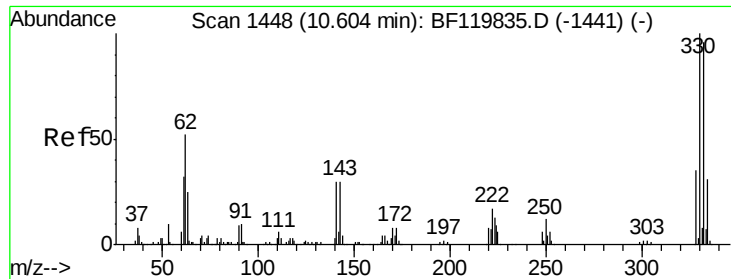
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF120066.D
Acq: 17 Apr 2020 18:26

Tgt Ion:164 Resp: 289770
Ion Ratio Lower Upper
164 100
162 102.0 81.9 122.9
160 45.7 36.6 54.8



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

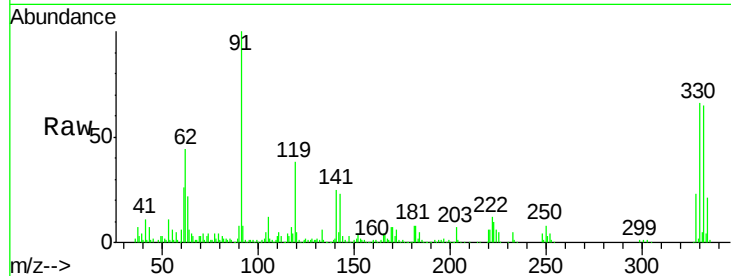




#42
 2,4,6-Tribromophenol
 Concen: 56.998 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF120066.D
 Acq: 17 Apr 2020 18:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.8	115.2
141	35.4	25.1	37.7

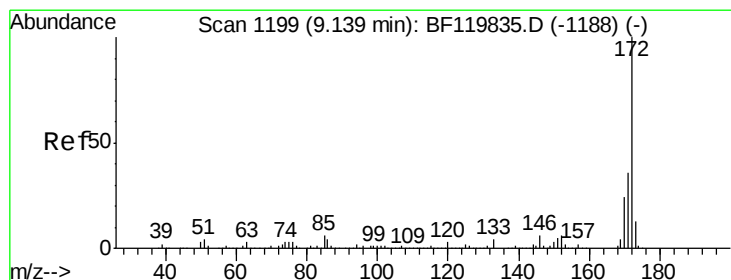
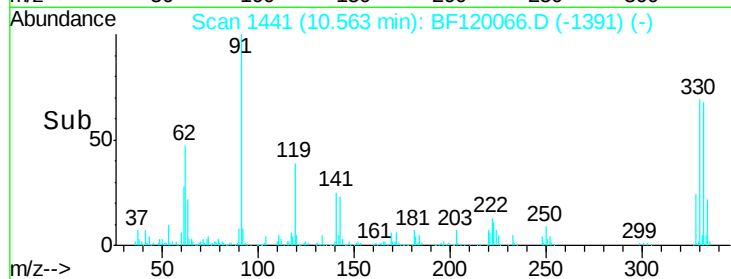
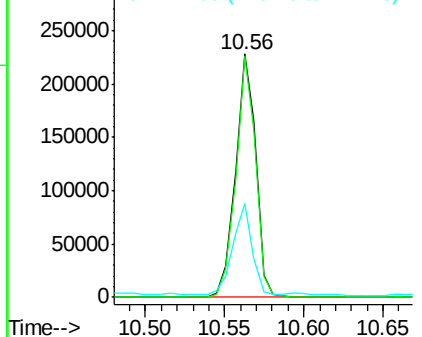


Abundance

Ion 329.80 (329.50 to 330.50): E

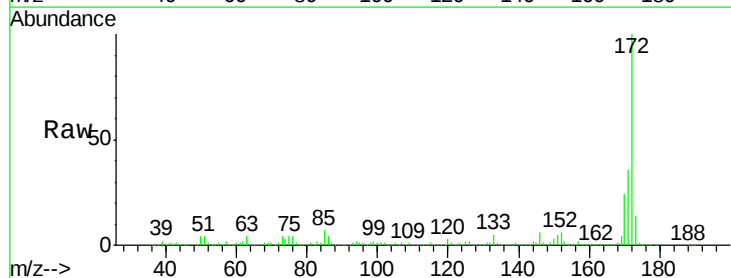
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 64.881 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF120066.D
 Acq: 17 Apr 2020 18:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.9	43.3
170	24.1	19.4	29.2

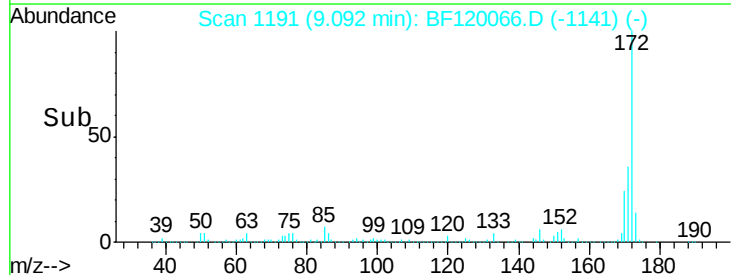
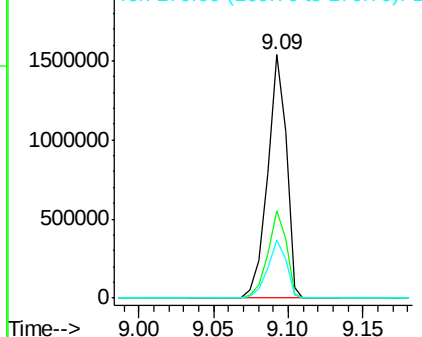


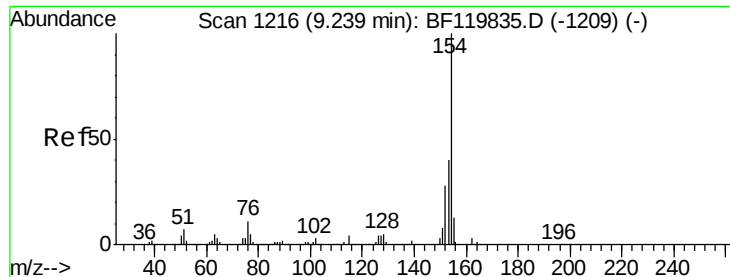
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 4.903 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

Instrument :

BNA_F

ClientSampleId :

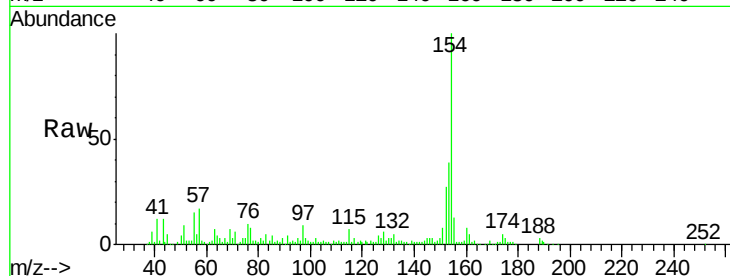
Tot Ion:154 Resp: 119910

Ion Ratio Lower Upper

154 100

153 39.1 20.5 60.5

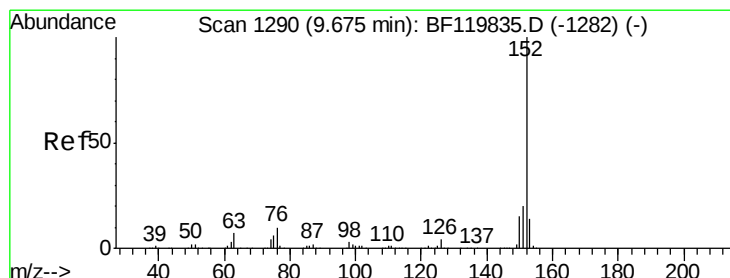
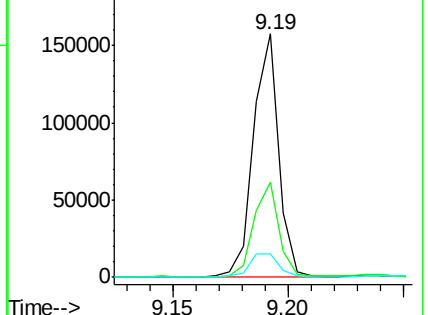
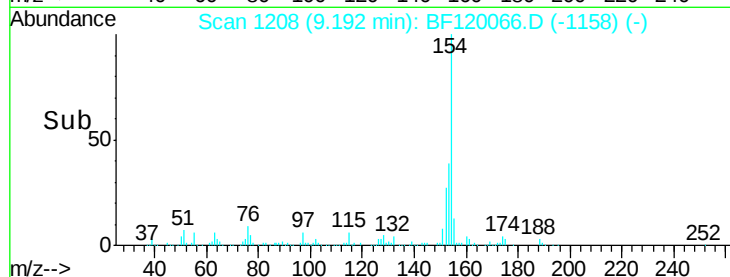
76 9.6 0.0 30.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#49

Acenaphthylene

Concen: 3.226 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

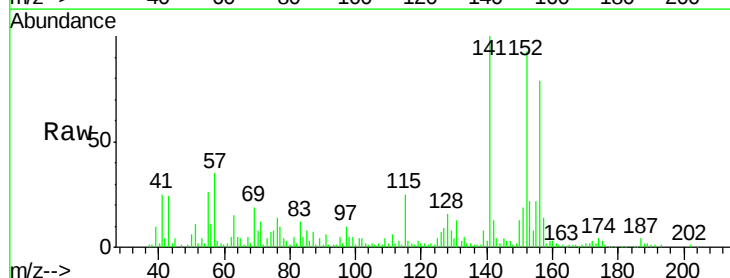
Tgt Ion:152 Resp: 92443

Ion Ratio Lower Upper

152 100

151 20.9 16.2 24.4

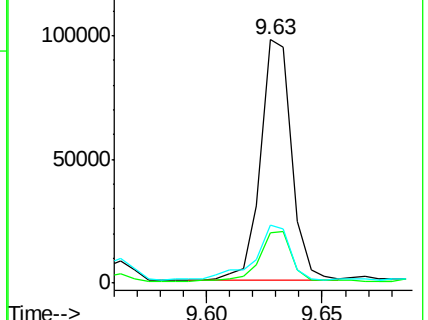
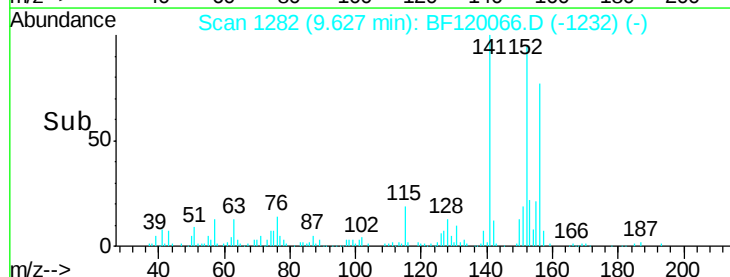
153 24.0 10.9 16.3#

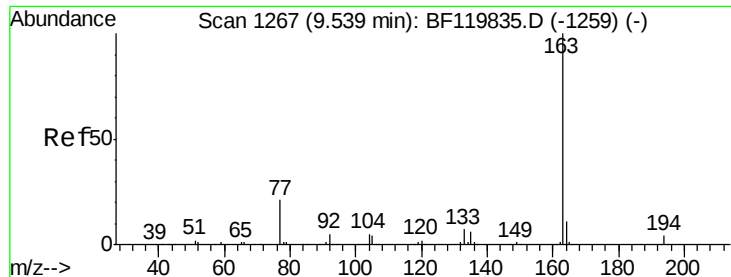


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

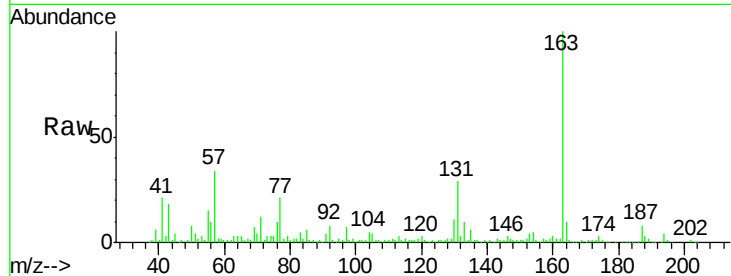




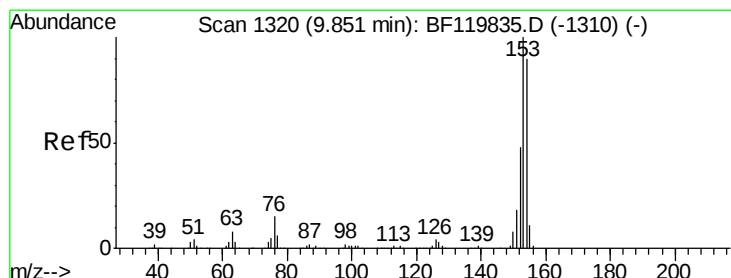
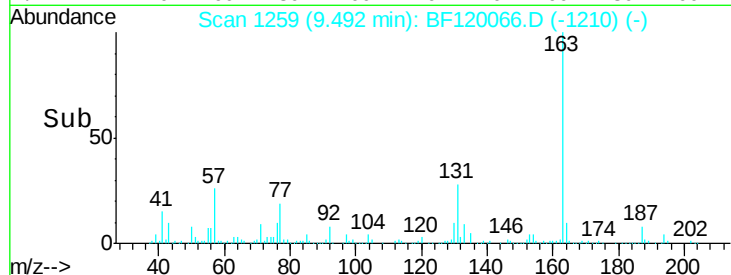
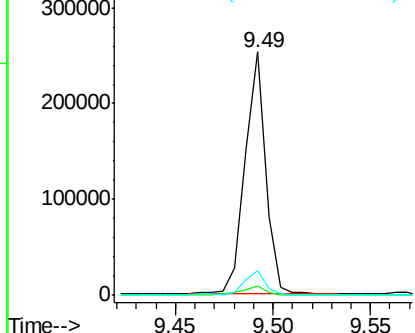
#50
Dimethylphthalate
Concen: 8.331 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF120066.D
Acq: 17 Apr 2020 18:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 186717
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 10.0 8.4 12.6

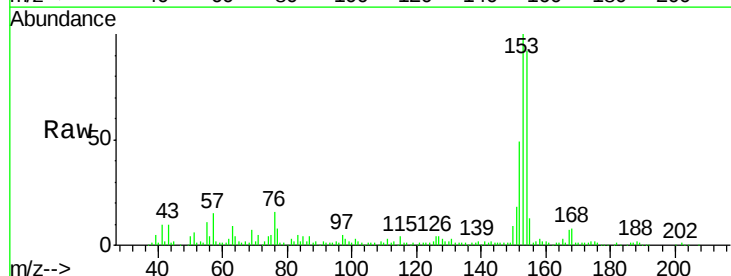


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

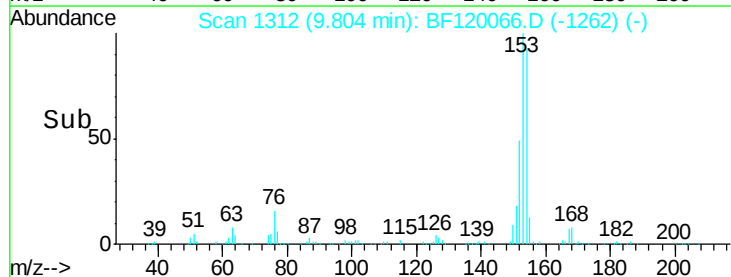
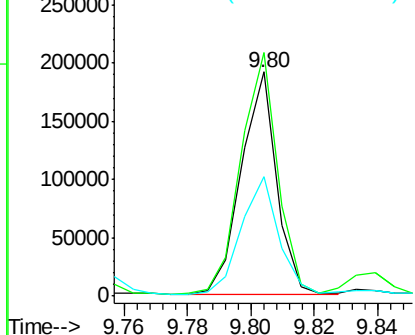


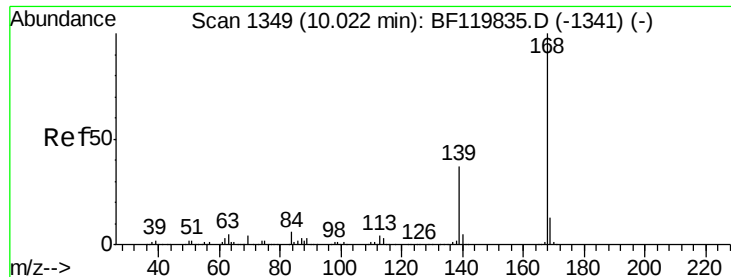
#52
Acenaphthene
Concen: 7.796 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF120066.D
Acq: 17 Apr 2020 18:26

Tgt Ion:154 Resp: 149023
Ion Ratio Lower Upper
154 100
153 108.8 88.8 133.2
152 53.2 42.4 63.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

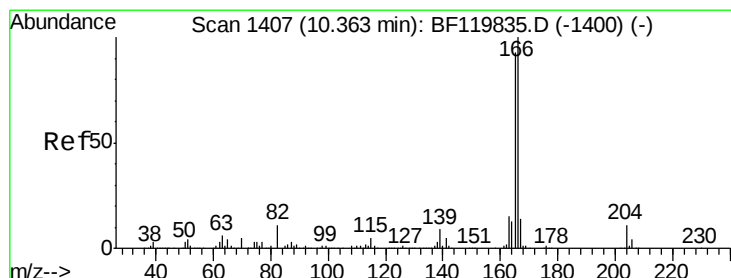
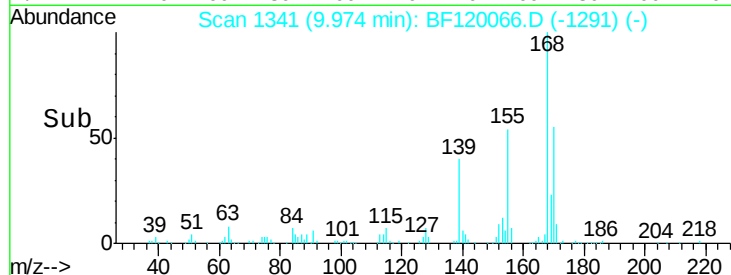
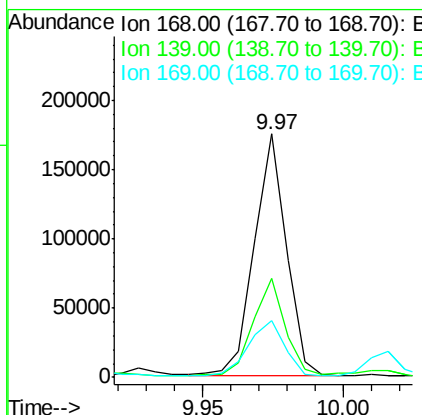
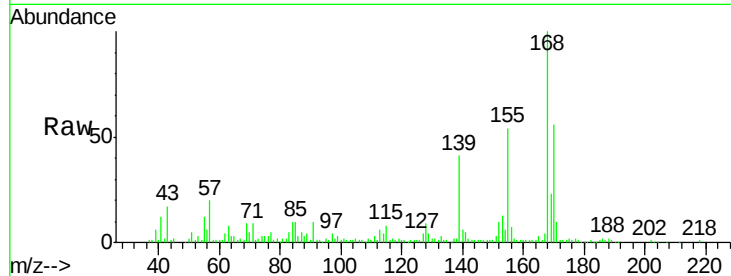




#55
Dibenzofuran
Concen: 5.297 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF120066.D
Acq: 17 Apr 2020 18:26

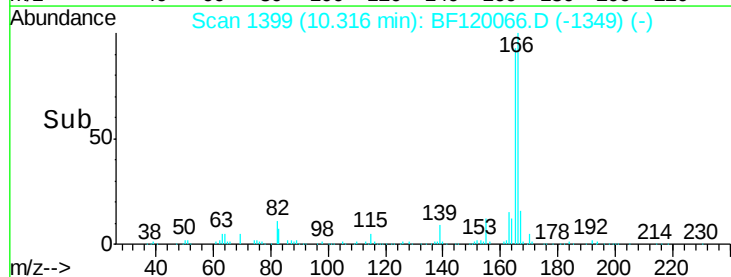
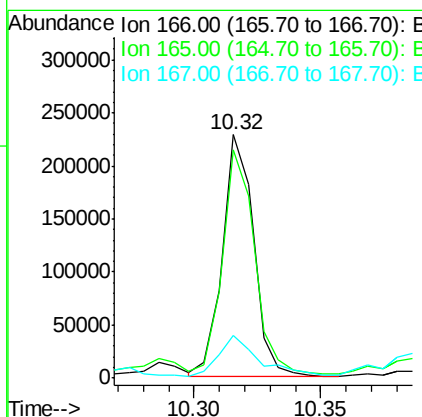
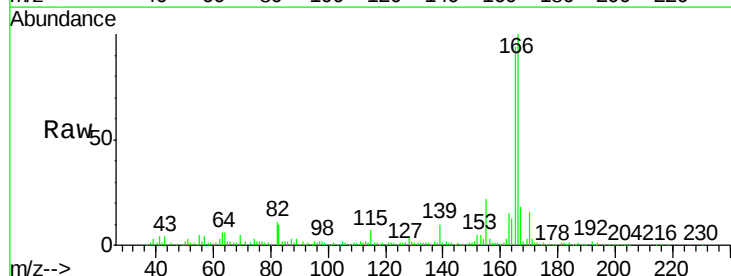
Instrument :
BNA_F
ClientSampled :

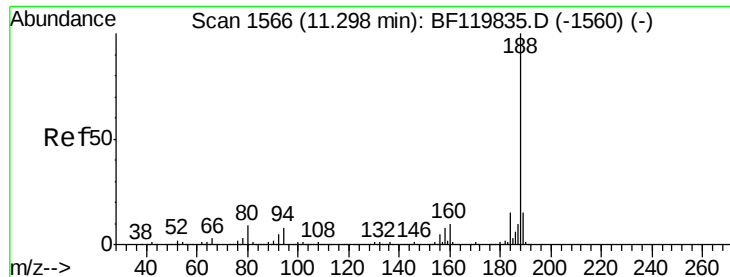
Tot Ion:168 Resp: 138934
Ion Ratio Lower Upper
168 100
139 40.6 29.8 44.6
169 23.2 10.6 15.8#



#58
Fluorene
Concen: 9.310 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BF120066.D
Acq: 17 Apr 2020 18:26

Tgt Ion:166 Resp: 195302
Ion Ratio Lower Upper
166 100
165 94.0 74.2 111.2
167 17.5 10.8 16.2#

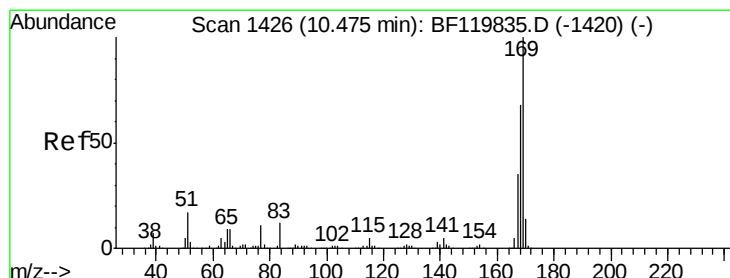
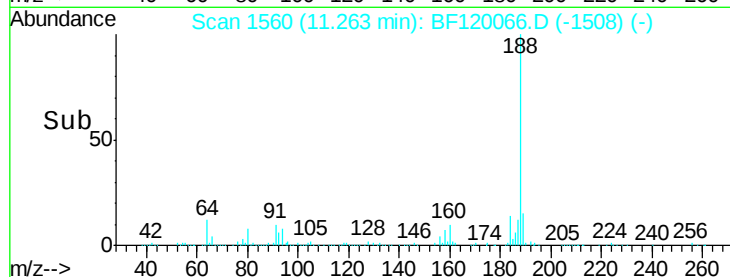
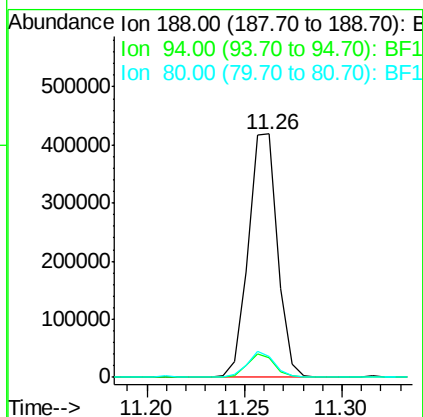
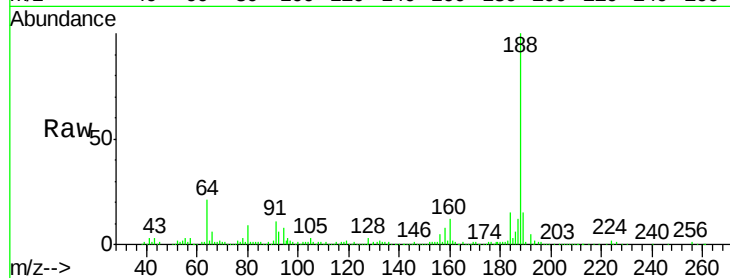




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.01 min
Lab File: BF120066.D
Acq: 17 Apr 2020 18:26

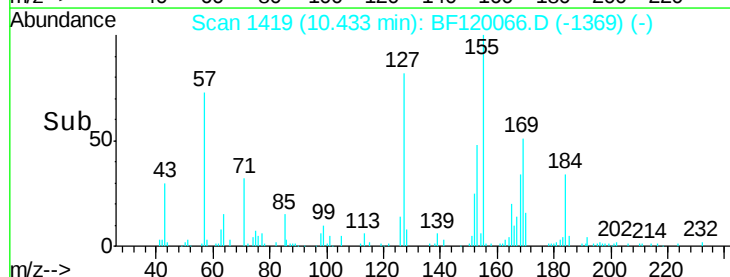
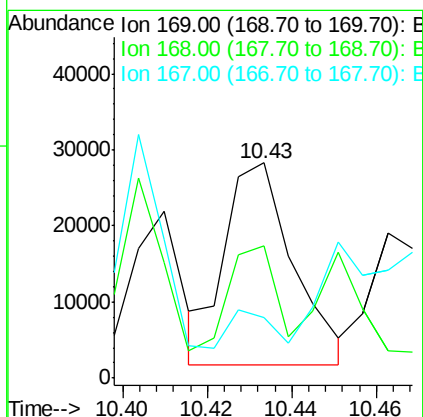
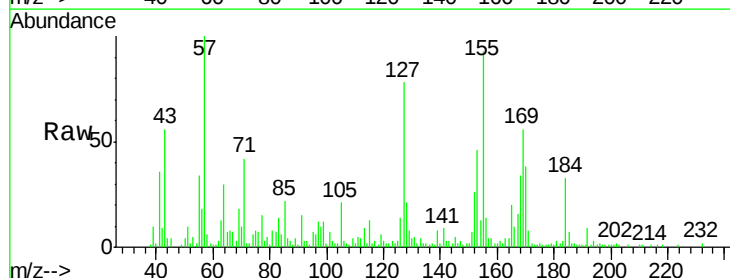
Instrument :
BNA_F
ClientSampled :

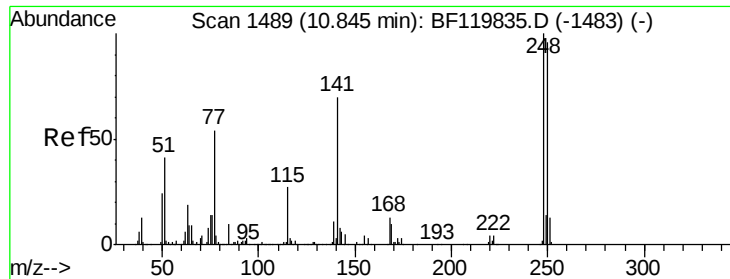
Tot Ion:188 Resp: 431707
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 8.6 7.4 11.2



#66
n-Nitrosodiphenylamine
Concen: 2.091 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF120066.D
Acq: 17 Apr 2020 18:26

Tgt Ion:169 Resp: 30018
Ion Ratio Lower Upper
169 100
168 61.7 54.2 81.4
167 28.1 28.3 42.5#

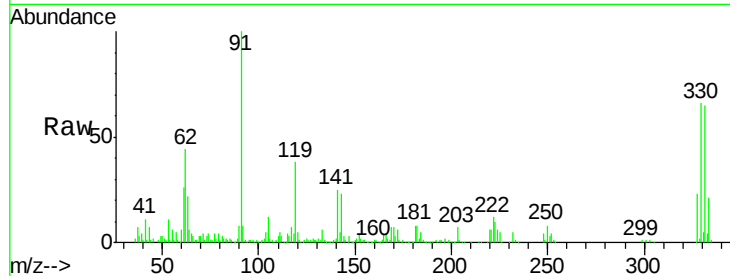




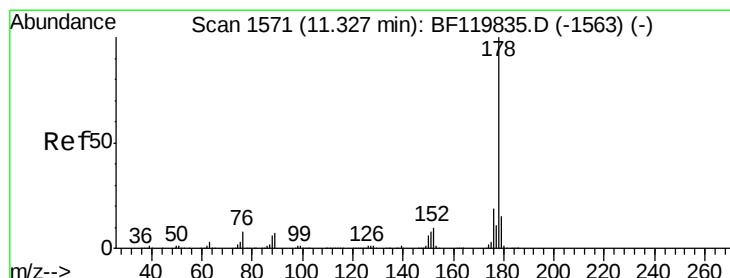
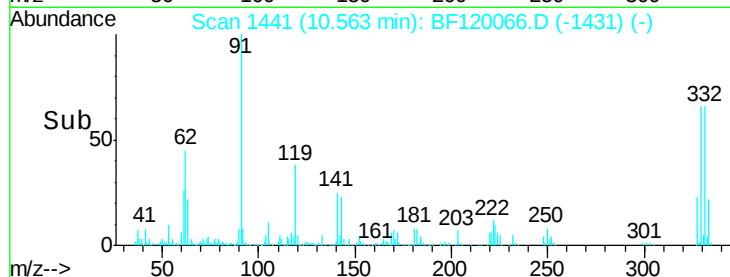
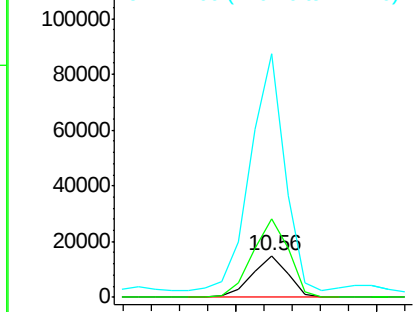
#67
 4-Bromophenyl-phenylether
 Concen: 2.437 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.24 min
 Lab File: BF120066.D
 Acq: 17 Apr 2020 18:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 13083
 Ion Ratio Lower Upper
 248 100
 250 191.0 76.6 114.8#
 141 588.0 55.9 83.9#

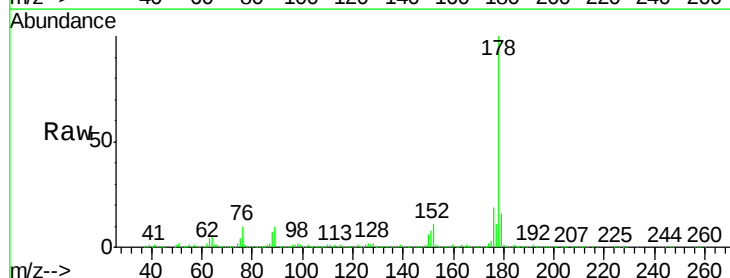


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

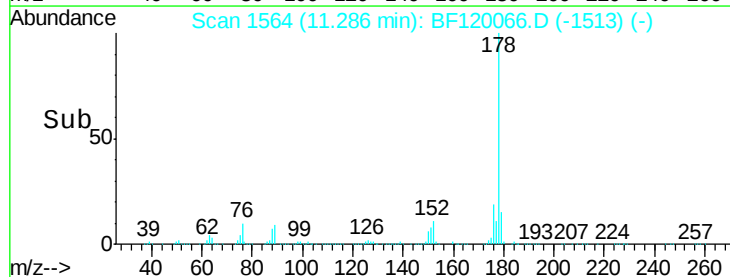
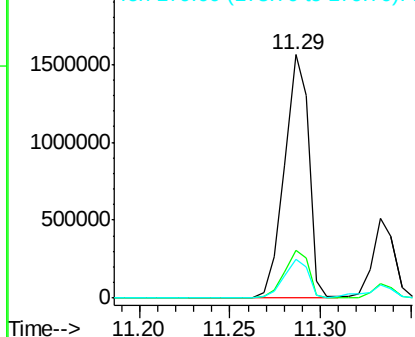


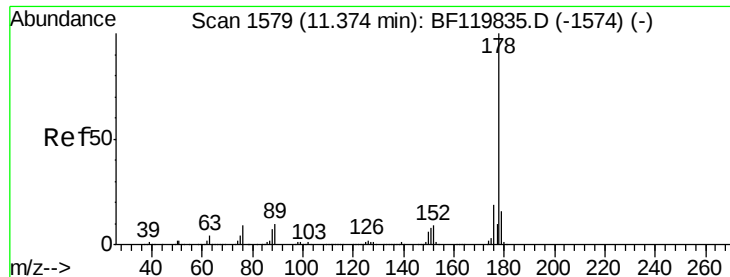
#71
 Phenanthrene
 Concen: 63.661 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BF120066.D
 Acq: 17 Apr 2020 18:26

Tgt Ion:178 Resp: 1462667
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.1 22.7
 179 15.8 12.2 18.4



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





#72

Anthracene

Concen: 17.619 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

Instrument :

BNA_F

ClientSampleId :

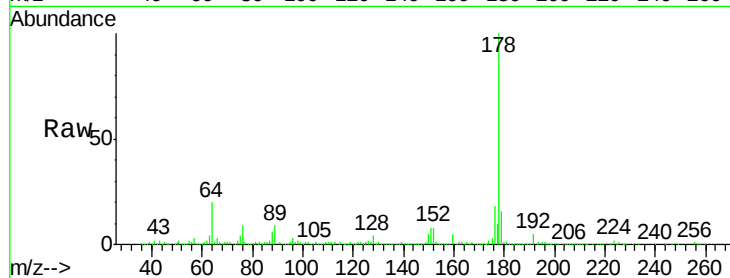
Tot Ion:178 Resp: 413548

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

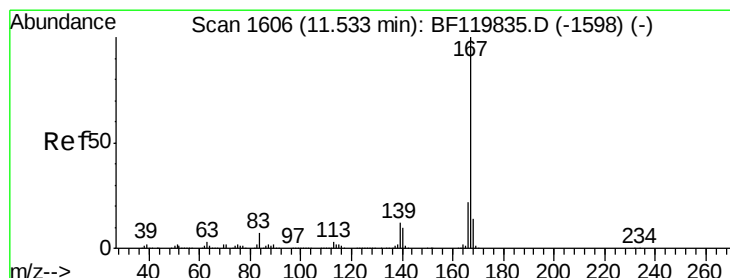
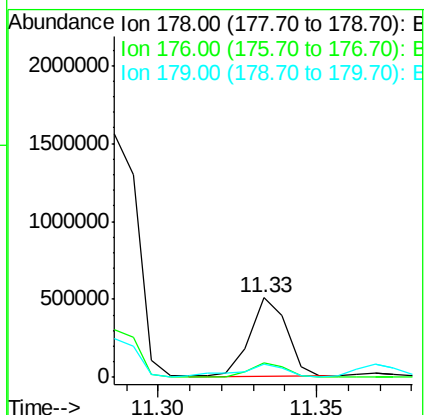
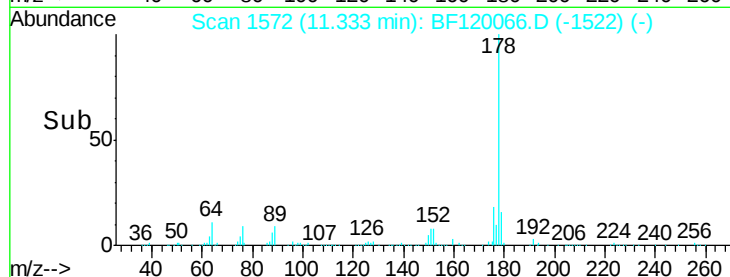
179 15.9 12.8 19.2



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



#73

Carbazole

Concen: 4.670 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

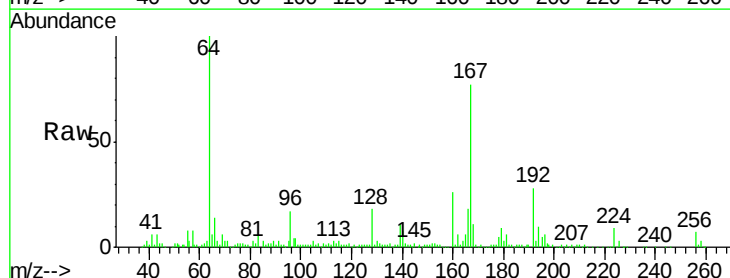
Tgt Ion:167 Resp: 103654

Ion Ratio Lower Upper

167 100

166 22.9 17.4 26.0

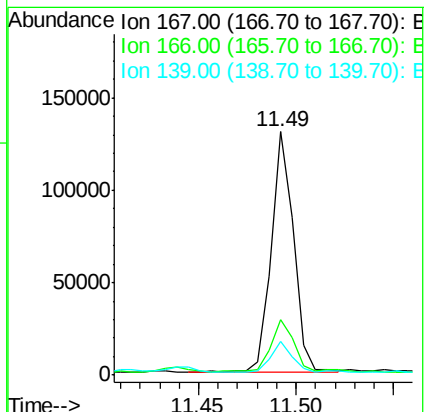
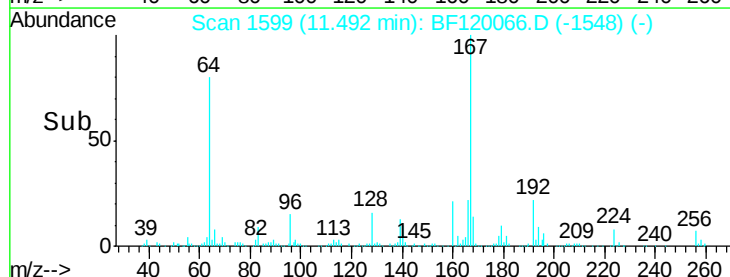
139 13.8 9.8 14.8

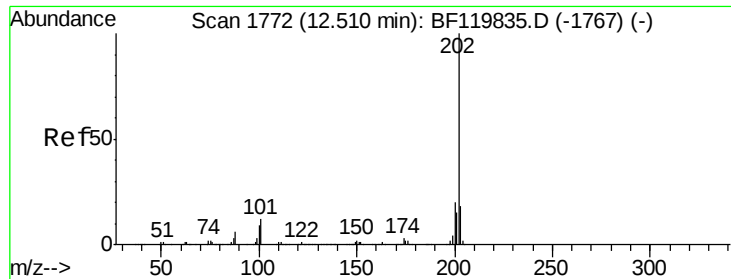


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 39.450 ng

RT: 12.49 min Scan# 1769

Delta R.T. 0.02 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

Instrument :

BNA_F

ClientSampleId :

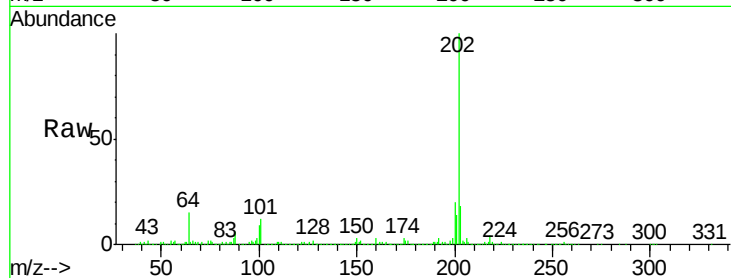
Tot Ion:202 Resp: 978003

Ion Ratio Lower Upper

202 100

101 11.7 0.0 32.3

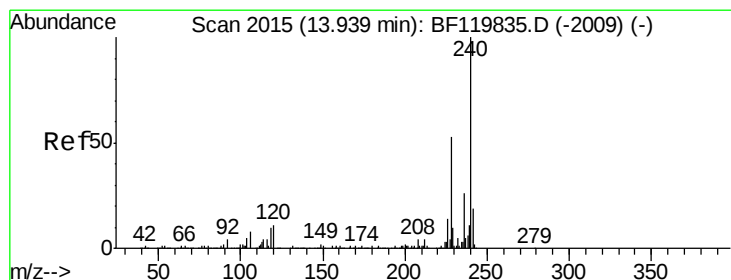
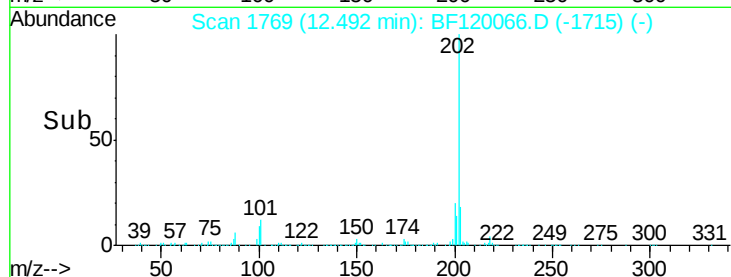
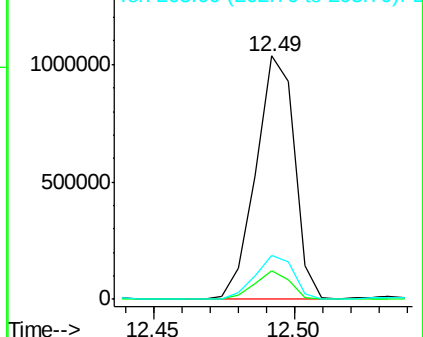
203 18.3 0.0 37.6



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: 13.90 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

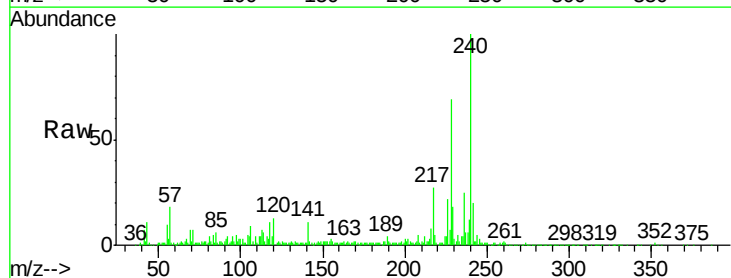
Tgt Ion:240 Resp: 287784

Ion Ratio Lower Upper

240 100

120 12.6 9.0 13.6

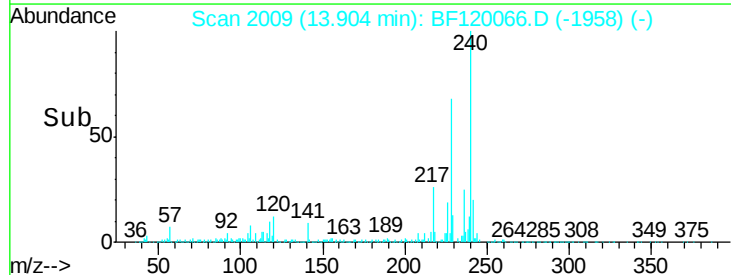
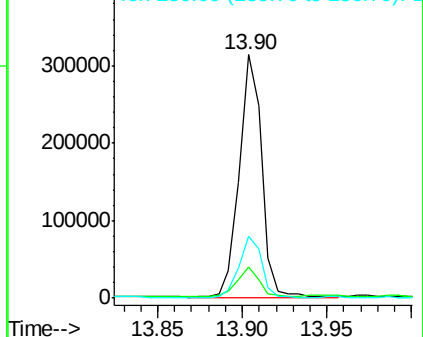
236 25.2 20.7 31.1

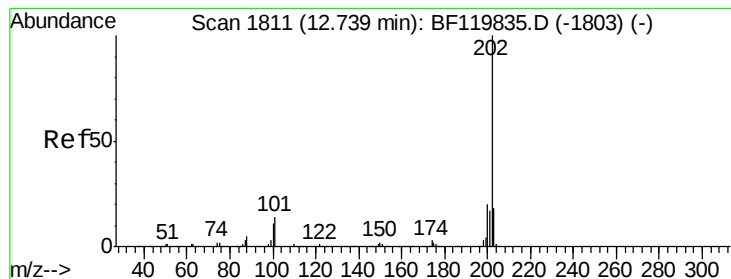


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 41.387 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

Instrument :

BNA_F

ClientSampleId :

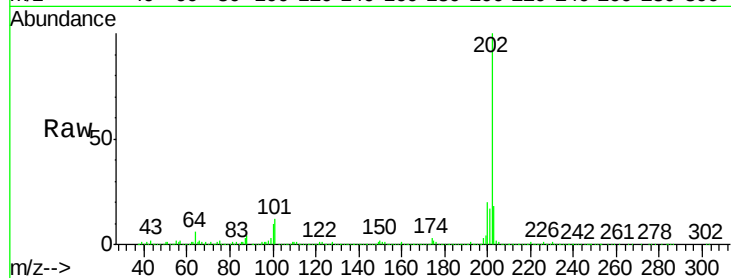
Tot Ion:202 Resp: 1004082

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

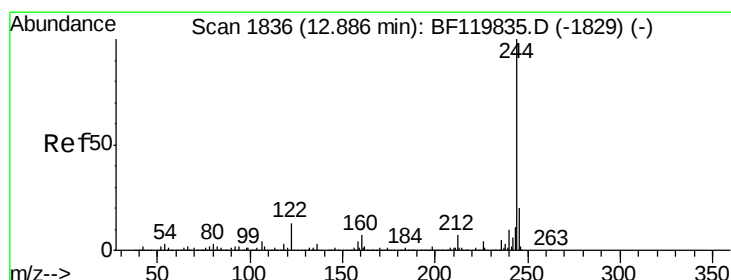
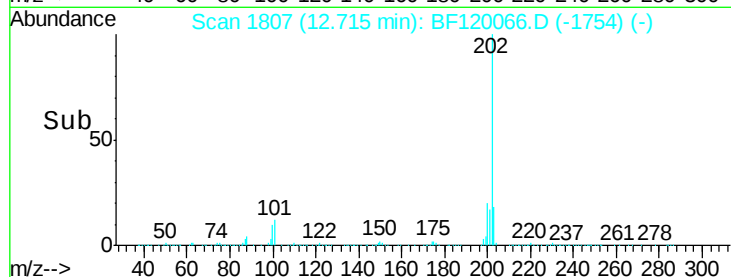
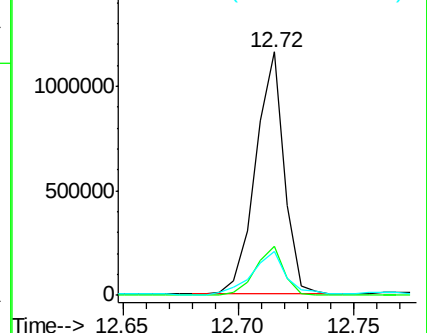
203 18.2 14.1 21.1



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: 57.326 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

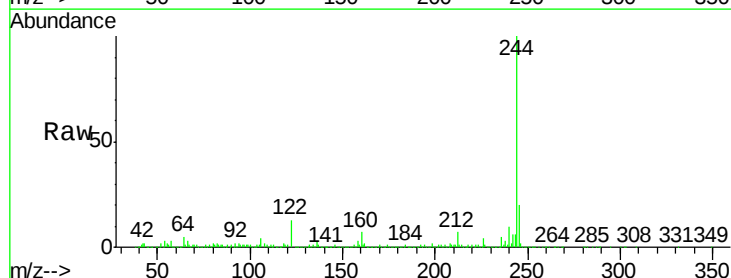
Tgt Ion:244 Resp: 980452

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

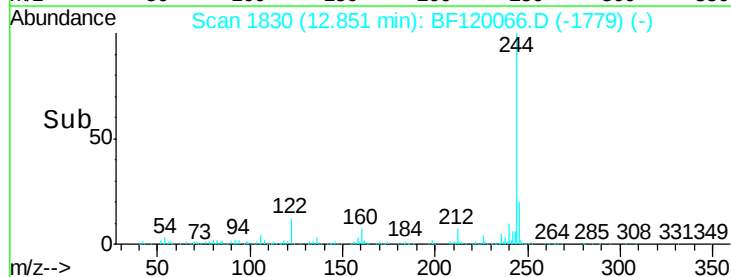
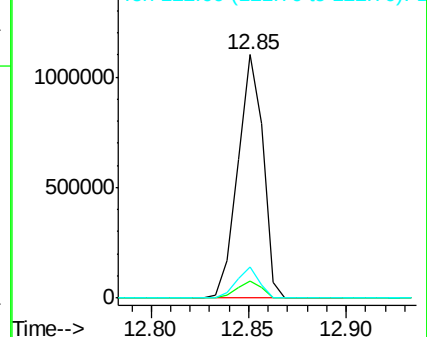
122 12.5 10.3 15.5

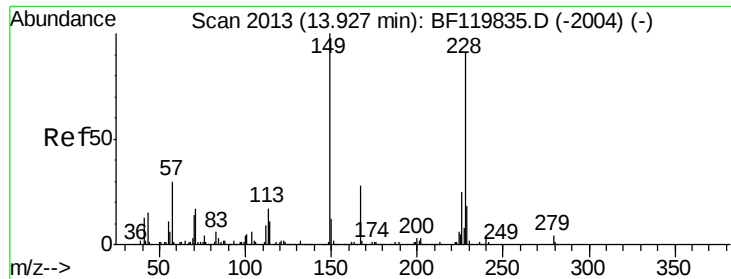


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 31.861 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.01 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

Instrument :

BNA_F

ClientSampleId :

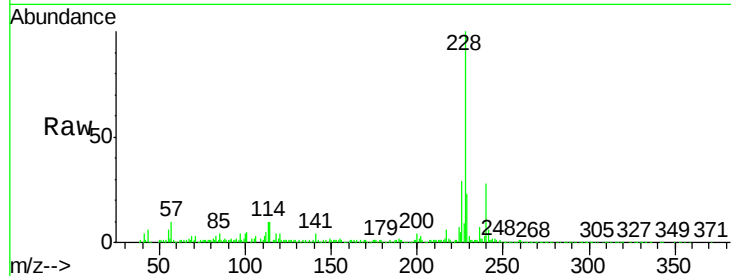
Tot Ion:228 Resp: 603209

Ion Ratio Lower Upper

228 100

226 28.7 21.9 32.9

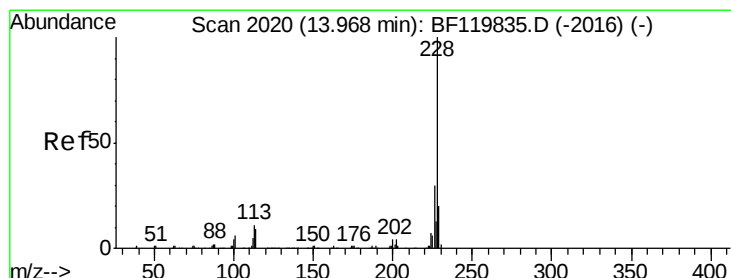
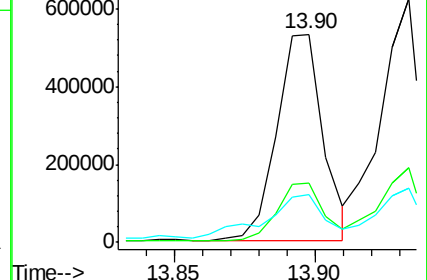
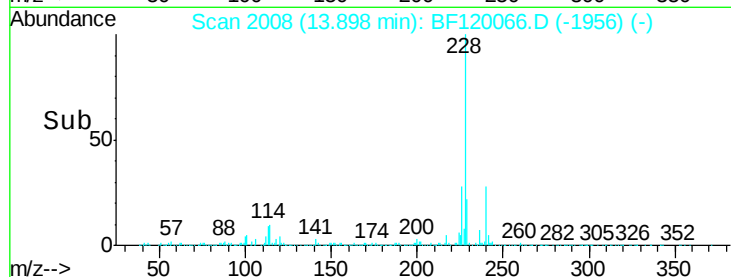
229 22.7 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 31.679 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

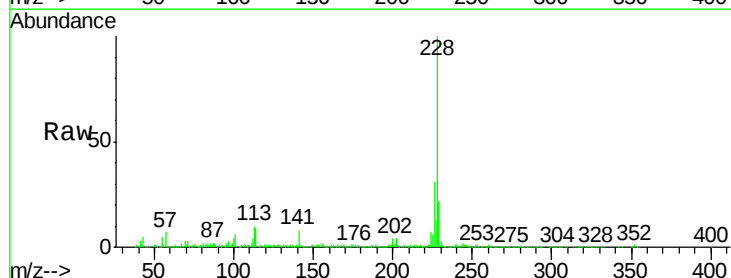
Tgt Ion:228 Resp: 609401

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.2

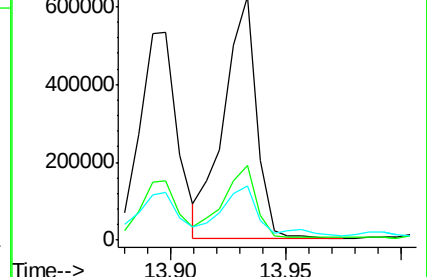
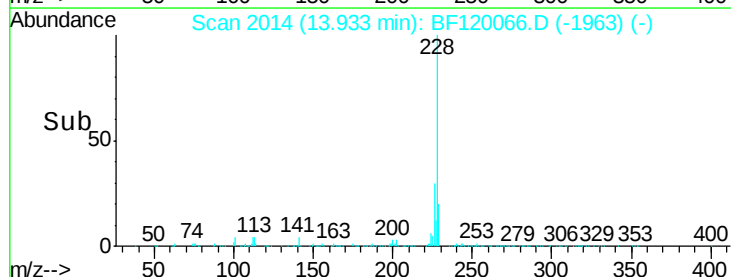
229 22.3 15.9 23.9

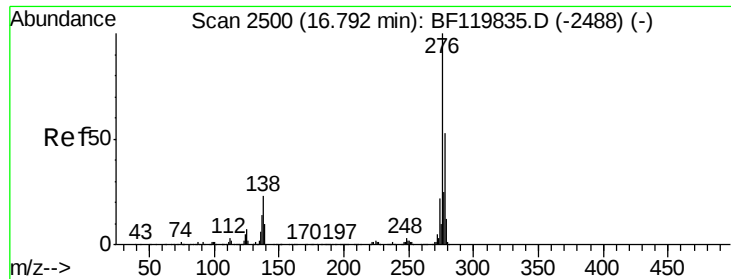


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

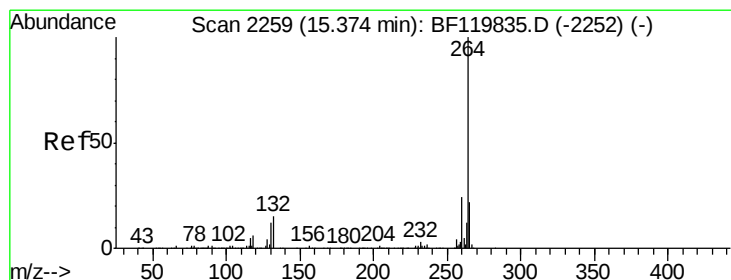
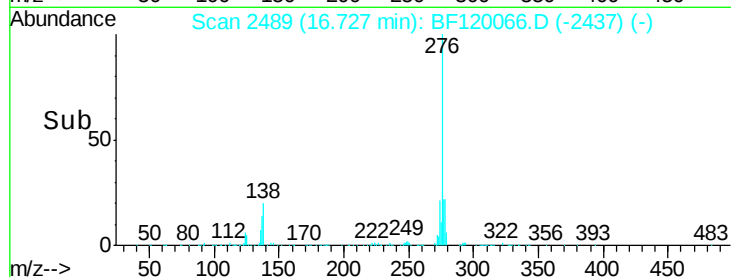
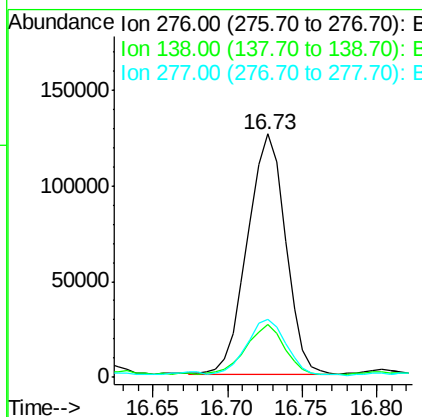
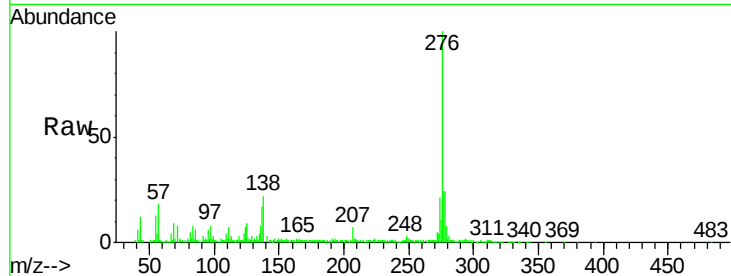




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 13.073 ng
 RT: 16.73 min Scan# 2489
 Delta R.T. 0.01 min
 Lab File: BF120066.D
 Acq: 17 Apr 2020 18:26

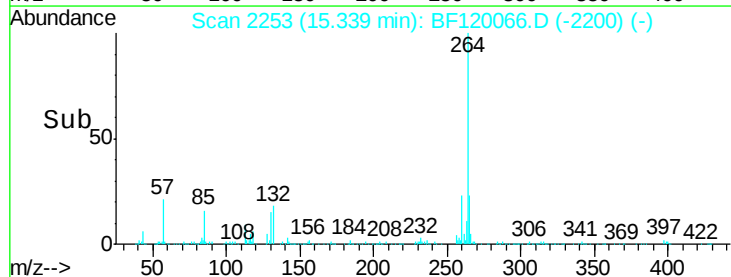
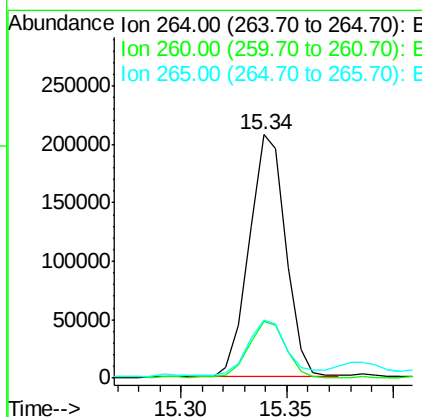
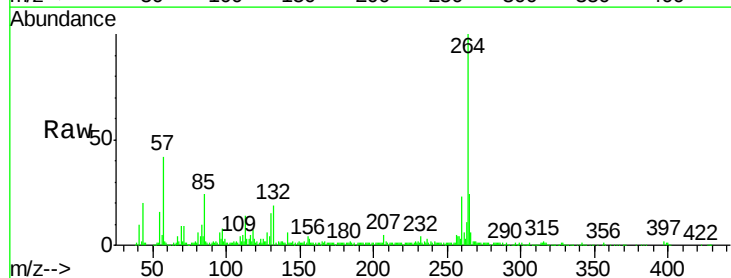
Instrument :
 BNA_F
 ClientSampleId :

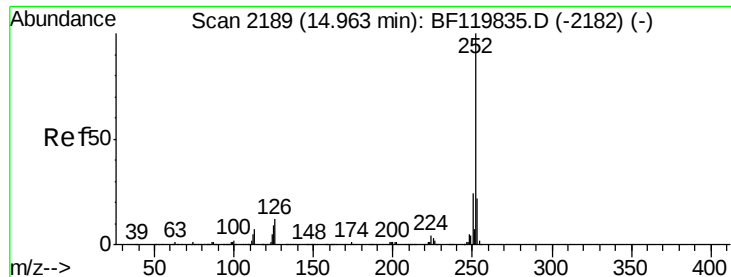
Tot Ion:276 Resp: 221674
 Ion Ratio Lower Upper
 276 100
 138 20.9 18.0 27.0
 277 24.1 20.1 30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: BF120066.D
 Acq: 17 Apr 2020 18:26

Tgt Ion:264 Resp: 249365
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.3 28.9
 265 23.7 17.6 26.4





#88

Benzo(b)fluoranthene

Concen: 40.857 ng

RT: 14.94 min Scan# 2185

Delta R.T. 0.02 min

Lab File: BF120066.D

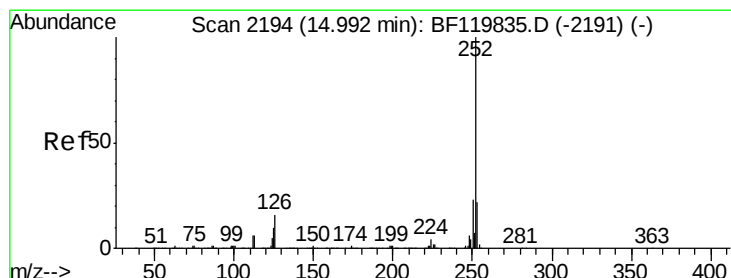
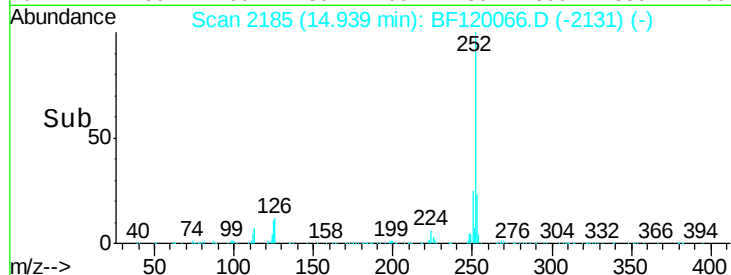
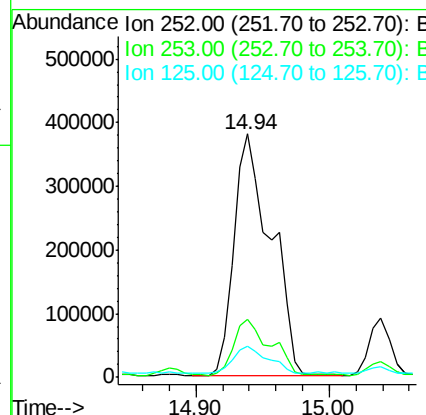
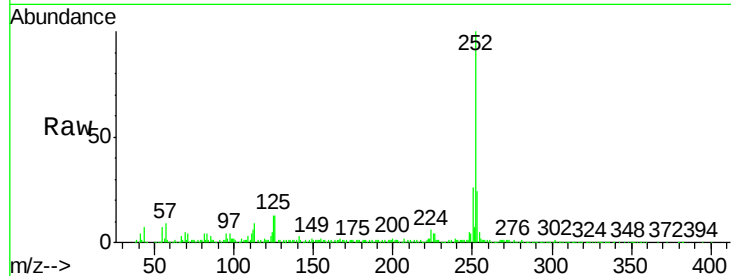
Acq: 17 Apr 2020 18:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	732917
Ion Ratio	Lower	Upper
252	100	
253	23.8	17.7 26.5
125	12.9	7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 47.353 ng

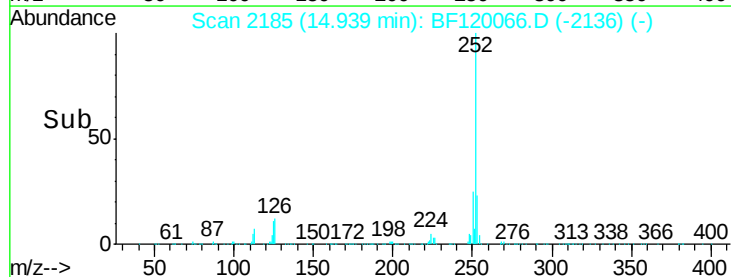
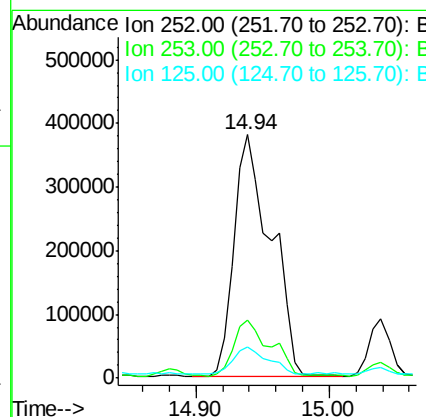
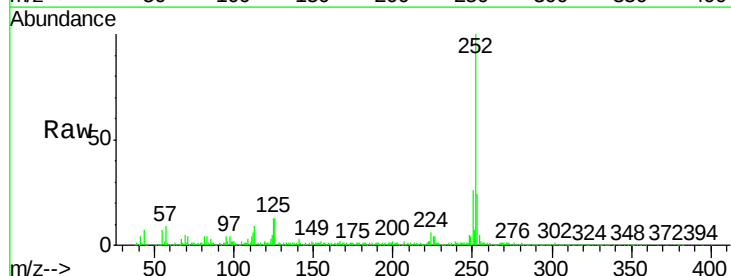
RT: 14.94 min Scan# 2185

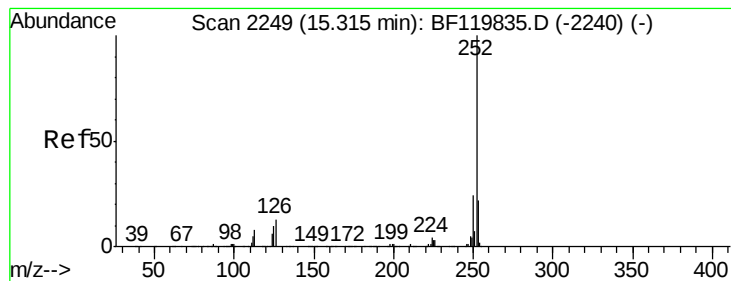
Delta R.T. -0.01 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

Tgt Ion:252	Resp:	732917
Ion Ratio	Lower	Upper
252	100	
253	23.8	17.8 26.8
125	12.9	7.7 11.5#





#90

Benzo(a)pyrene

Concen: 28.762 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.02 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

Instrument :

BNA_F

ClientSampleId :

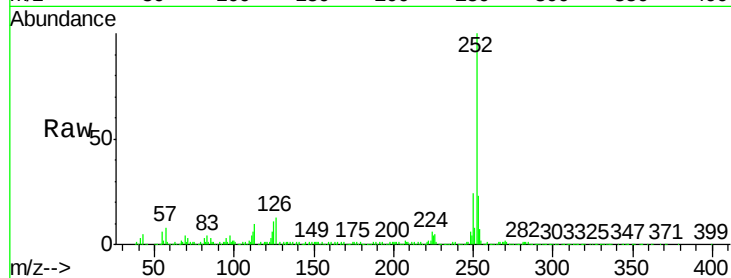
Tot Ion:252 Resp: 433819

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

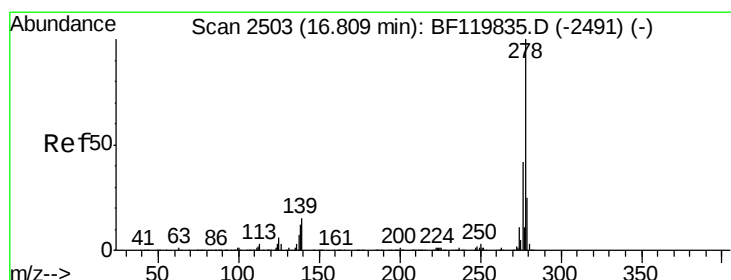
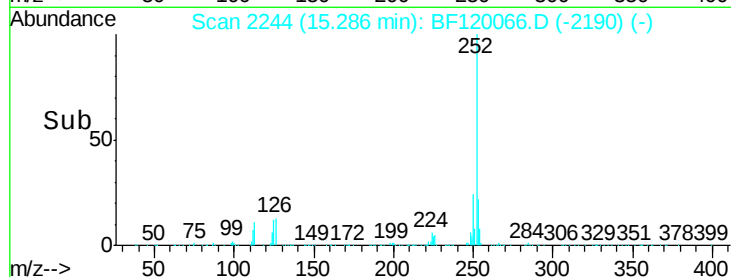
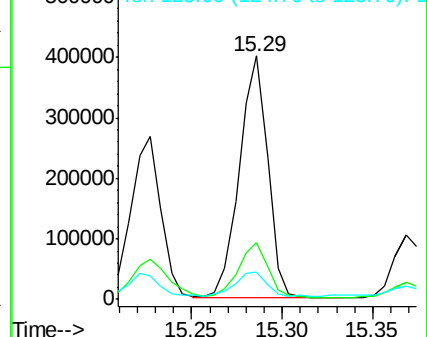
125 11.5 8.3 12.5



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



#91

Dibenzo(a,h)anthracene

Concen: 4.750 ng

RT: 16.73 min Scan# 2490

Delta R.T. -0.01 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

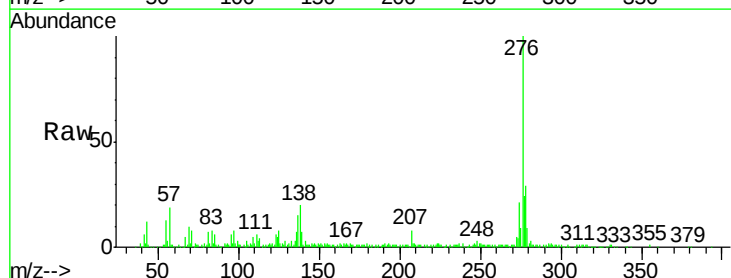
Tgt Ion:278 Resp: 63465

Ion Ratio Lower Upper

278 100

139 23.4 11.6 17.4#

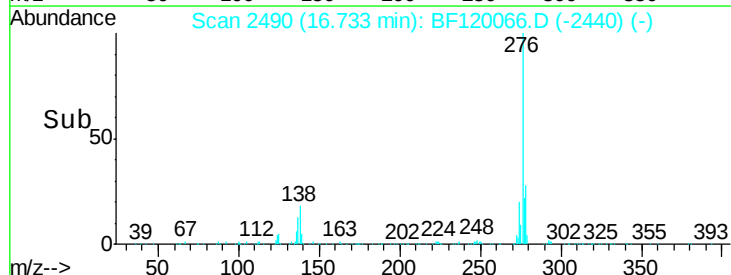
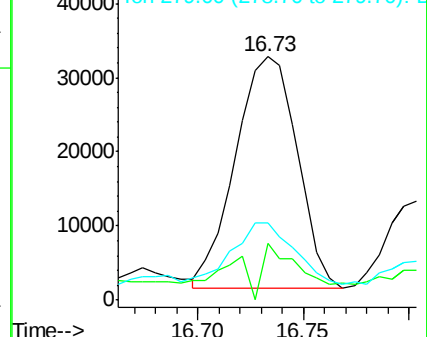
279 31.7 19.7 29.5#

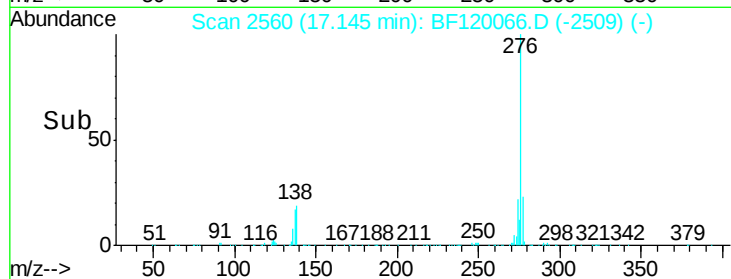
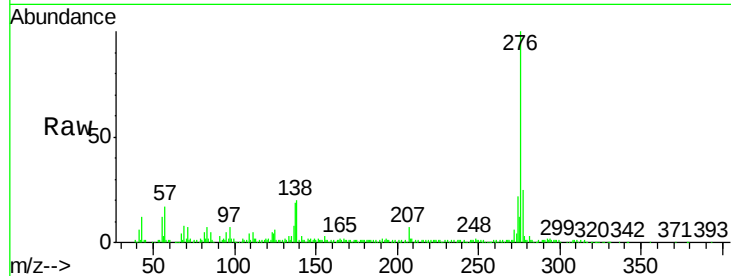
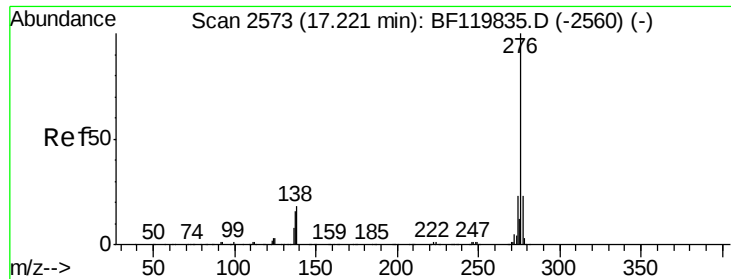


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 16.456 ng

RT: 17.14 min Scan# 2560

Delta R.T. -0.00 min

Lab File: BF120066.D

Acq: 17 Apr 2020 18:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 217017

Ion Ratio Lower Upper

276 100

277 24.6 18.5 27.7

138 20.5 14.6 22.0

