

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
 Data File : BF120496.D
 Acq On : 2 Jun 2020 15:50
 Operator : JU/CG
 Sample : L2773-25
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 02 17:34:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 02 11:37:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	149322	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	480542	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	217436	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	424317	20.00	ng	0.00
76) Chrysene-d12	14.02	240	410036	20.00	ng	0.00
86) Perylene-d12	15.47	264	368798	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	713458	91.06	ng	0.00
7) Phenol-d6	6.47	99	834743	86.43	ng	0.00
23) Nitrobenzene-d5	7.40	82	504972	68.74	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	202900	100.71	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	906670	70.75	ng	0.00
79) Terphenyl-d14	12.96	244	1135441	61.62	ng	0.00

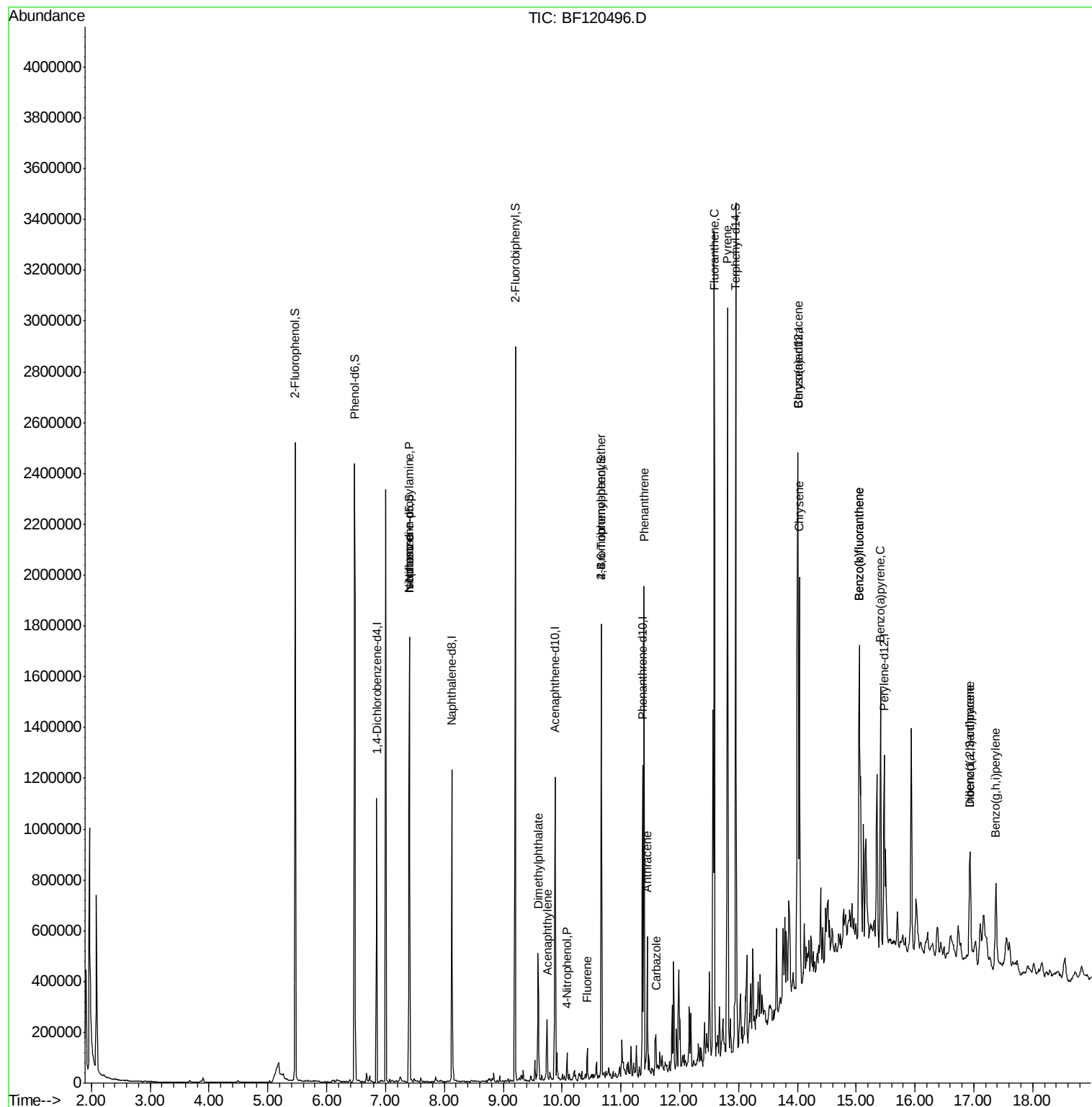
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	66299	10.800	ng	# 79
25) Isophorone	7.40	82	502367	34.024	ng	# 64
49) Acenaphthylene	9.75	152	108479	5.968	ng	98
50) Dimethylphthalate	9.59	163	178724	13.148	ng	99
56) 4-Nitrophenol	10.09	139	10736	3.953	ng	# 17
58) Fluorene	10.43	166	31541	2.550	ng	99
67) 4-Bromophenyl-phenylether	10.67	248	11886	2.775	ng	# 1
71) Phenanthrene	11.39	178	686435	36.714	ng	99
72) Anthracene	11.45	178	194937	10.392	ng	98
73) Carbazole	11.60	167	56975	3.140	ng	99
75) Fluoranthene	12.59	202	1311335	65.183	ng	99
78) Pvrene	12.82	202	1235916	43.342	ng	99
81) Benzo(a)anthracene	14.00	228	717446	32.647	ng	95
83) Chrysene	14.04	228	565736	24.556	ng	97
87) Indeno(1,2,3-cd)pyrene	16.93	276	293684	14.560	ng	95
88) Benzo(b)fluoranthene	15.05	252	930933	45.447	ng	99
89) Benzo(k)fluoranthene	15.05	252	930933	48.681	ng	# 97
90) Benzo(a)pyrene	15.42	252	490841	27.394	ng	99
91) Dibenzo(a,h)anthracene	16.94	278	69504	4.226	ng	# 81
92) Benzo(a,h,i)perylene	17.37	276	273282	16.849	ng	99

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

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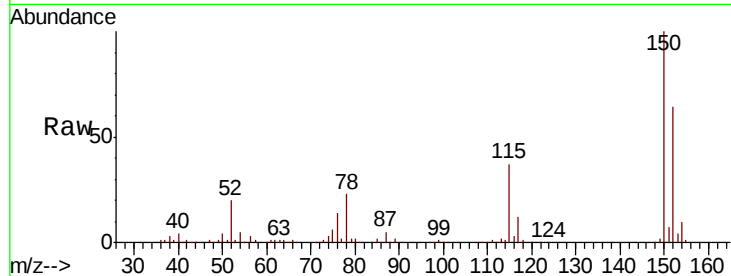




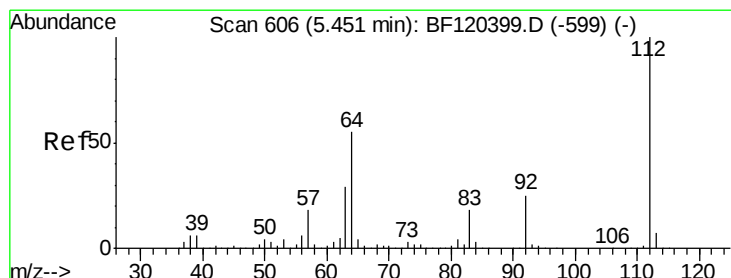
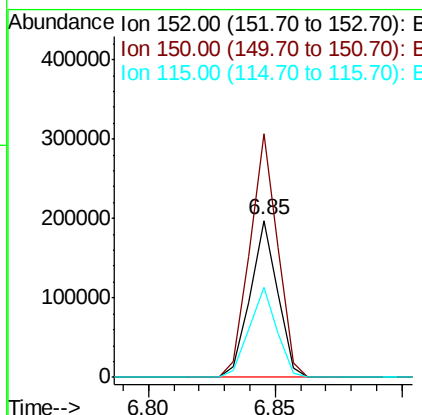
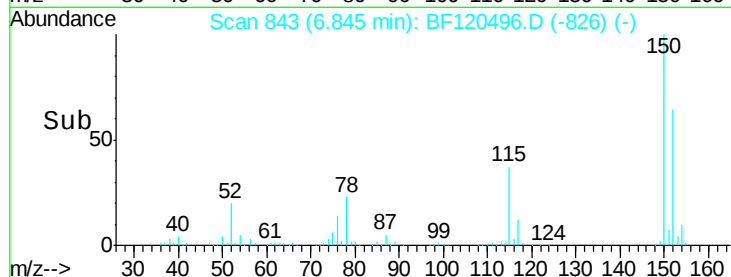
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: BF120496.D
 Acq: 2 Jun 2020 15:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 149322
 Ion Ratio Lower Upper
 152 100
 150 155.1 126.7 190.1
 115 57.6 46.2 69.2

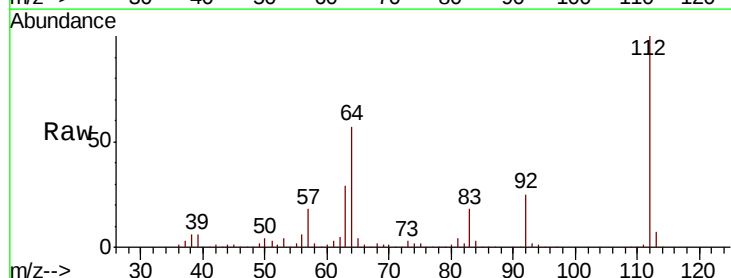


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

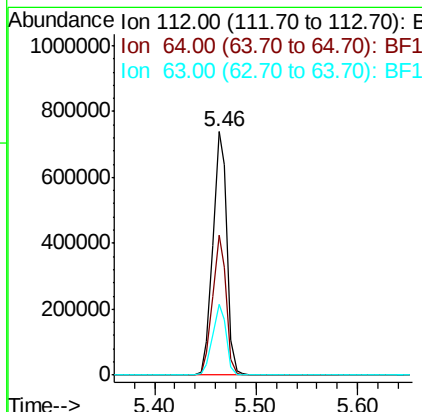
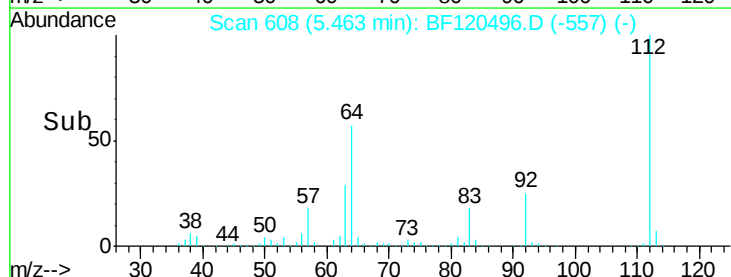


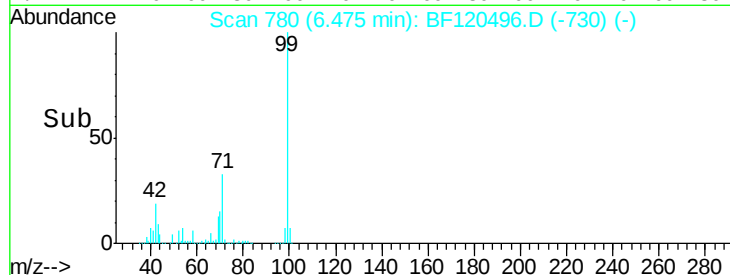
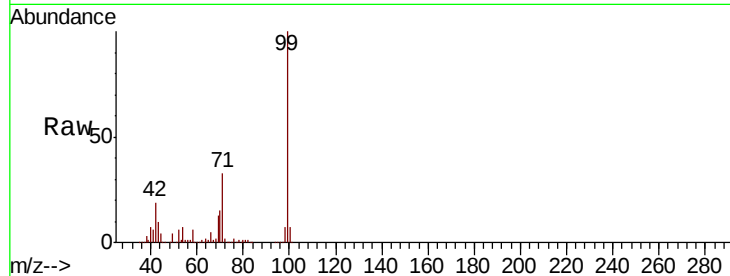
#5
 2-Fluorophenol
 Concen: 91.056 ng
 RT: 5.46 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: BF120496.D
 Acq: 2 Jun 2020 15:50

Tgt Ion:112 Resp: 713458
 Ion Ratio Lower Upper
 112 100
 64 57.4 46.3 69.5
 63 29.2 24.2 36.2



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: 86.434 ng

RT: 6.47 min Scan# 780

Delta R.T. -0.01 min

Lab File: BF120496.D

Acq: 2 Jun 2020 15:50

Instrument :

BNA_F

ClientSampled :

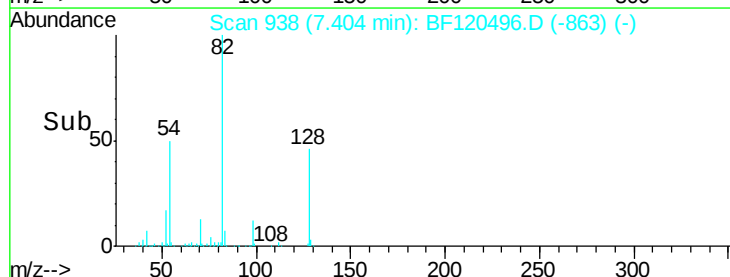
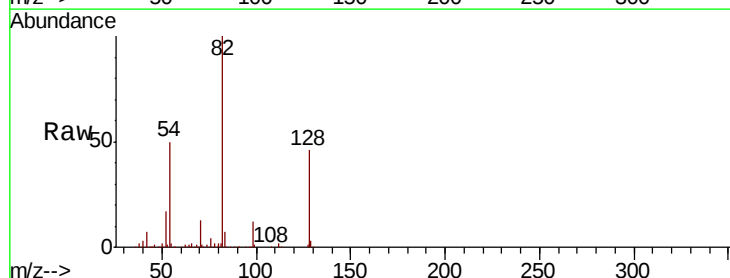
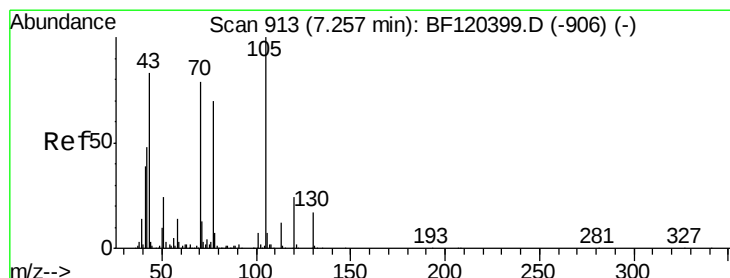
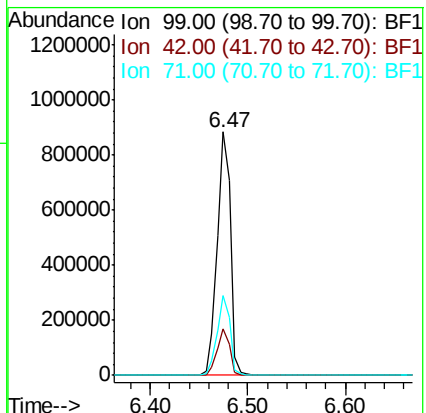
Tot Ion: 99 Resp: 834743

Ion Ratio Lower Upper

99 100

42 18.9 15.1 22.7

71 32.8 26.2 39.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.800 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.14 min

Lab File: BF120496.D

Acq: 2 Jun 2020 15:50

Tgt Ion: 70 Resp: 66299

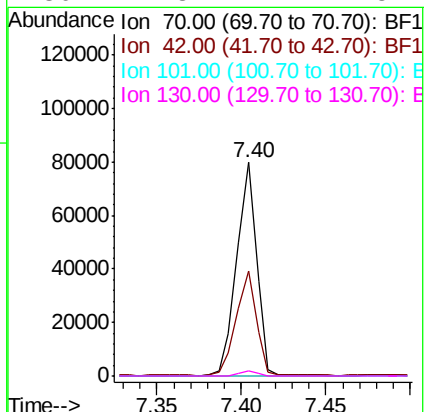
Ion Ratio Lower Upper

70 100

42 49.3 47.4 71.2

101 0.0 7.8 11.6#

130 2.3 17.1 25.7#

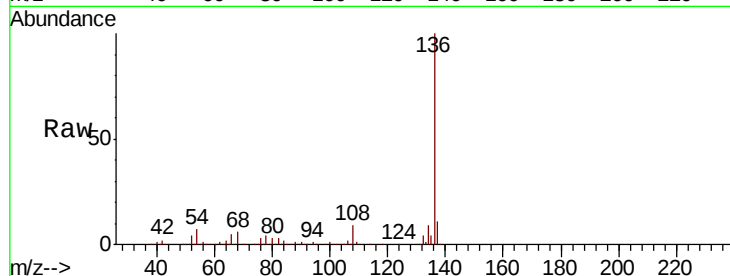




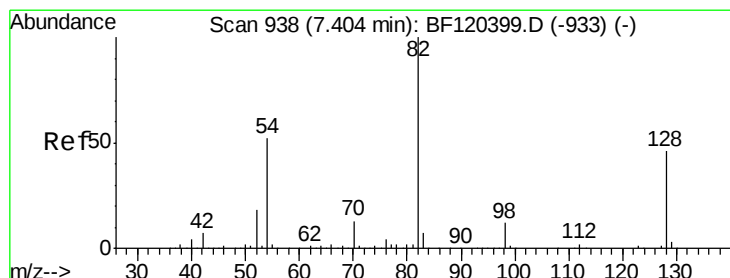
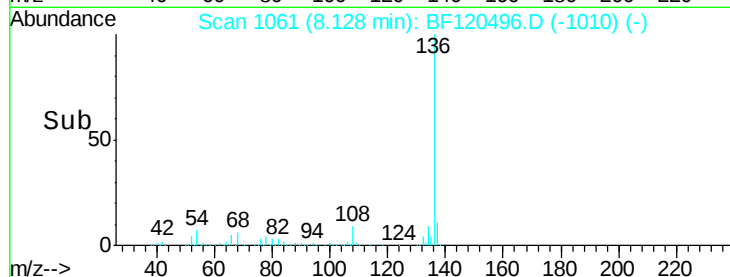
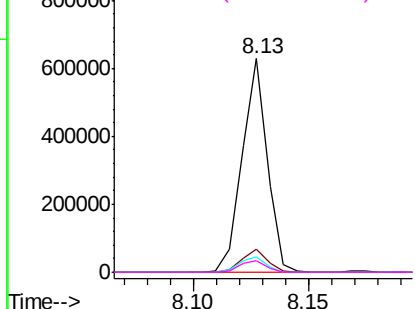
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BF120496.D
Acq: 2 Jun 2020 15:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	480542
Ion	Ratio	Lower Upper
136	100	
137	11.0	9.0 13.6
54	7.4	6.2 9.4
68	5.7	5.0 7.6

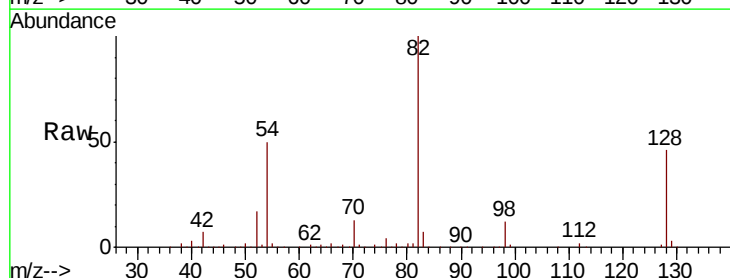


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

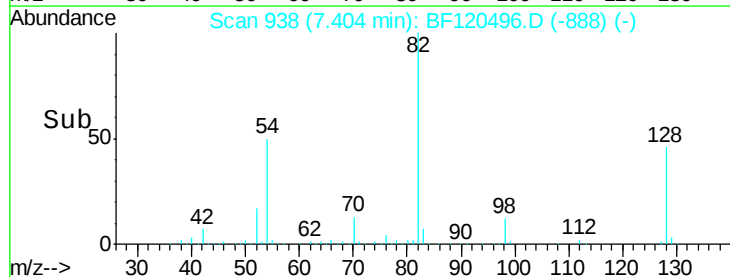
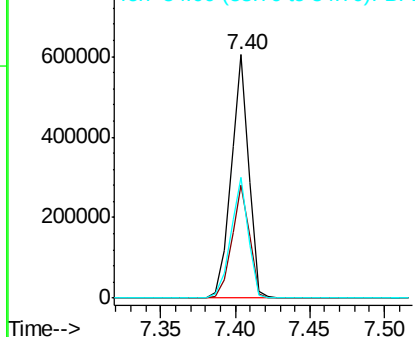


#23
Nitrobenzene-d5
Concen: 68.739 ng
RT: 7.40 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF120496.D
Acq: 2 Jun 2020 15:50

Tgt Ion: 82	Resp:	504972
Ion	Ratio	Lower Upper
82	100	
128	46.2	37.0 55.6
54	49.6	41.0 61.4



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: 34.024 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120496.D

Acq: 2 Jun 2020 15:50

Instrument :

BNA_F

ClientSampleId :

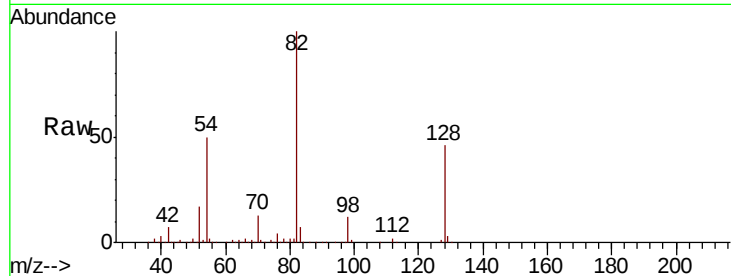
Tot Ion: 82 Resp: 502367

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

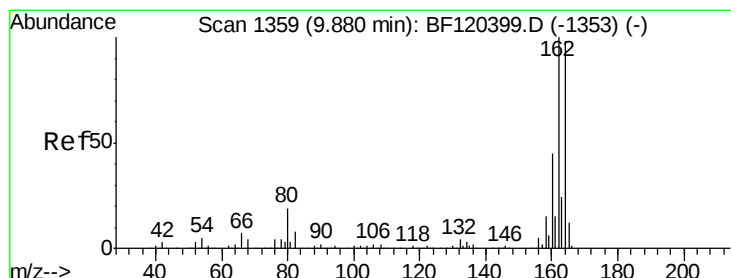
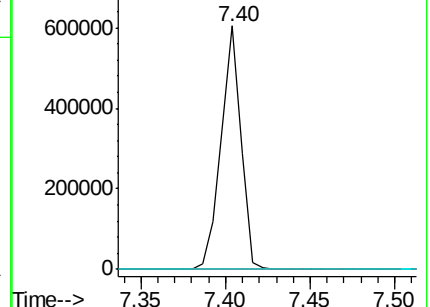
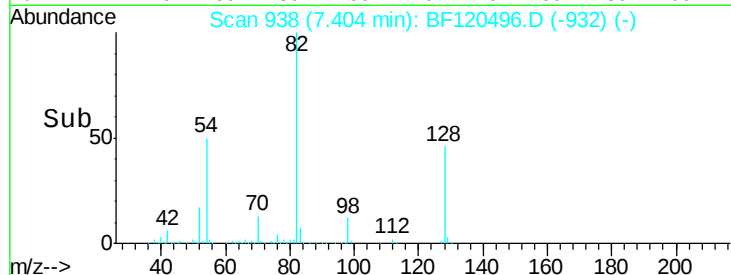
138 0.0 15.0 22.6#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF120496.D

Acq: 2 Jun 2020 15:50

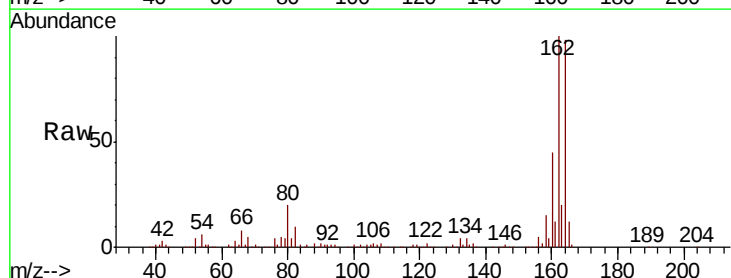
Tgt Ion:164 Resp: 217436

Ion Ratio Lower Upper

164 100

162 101.9 81.9 122.9

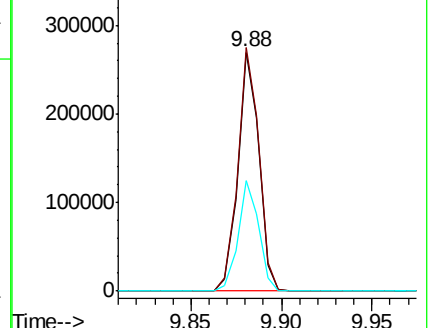
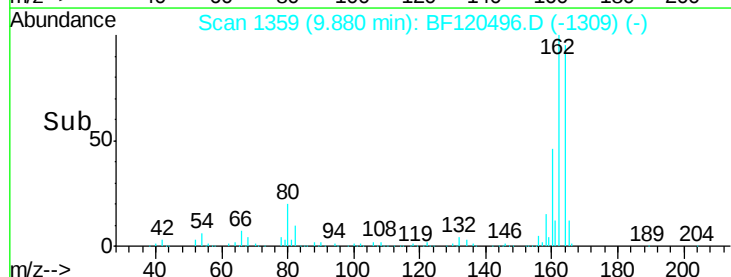
160 46.3 37.4 56.0



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

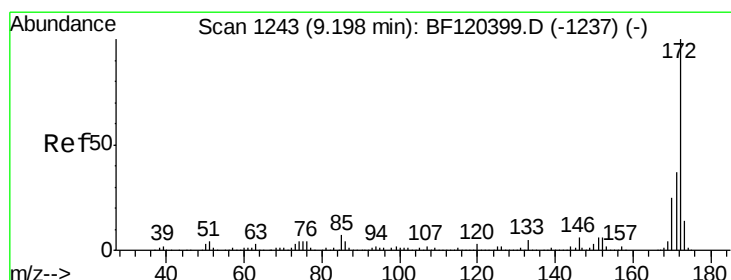
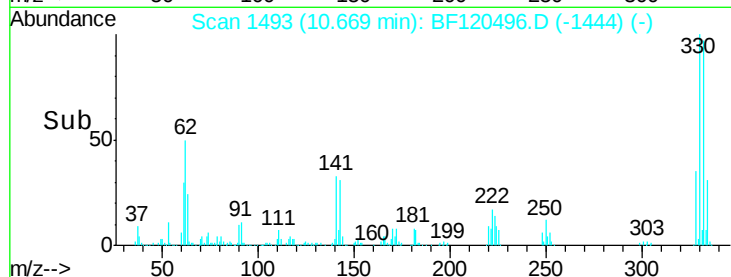
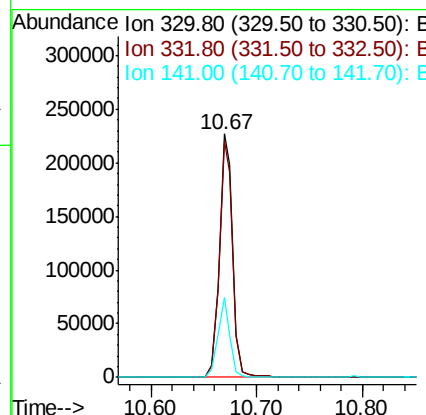
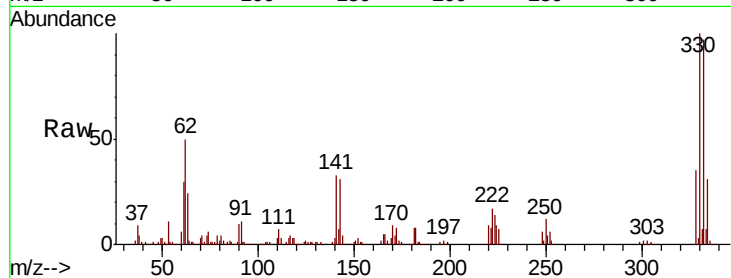




#42
 2,4,6-Tribromophenol
 Concen: 100.713 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: BF120496.D
 Acq: 2 Jun 2020 15:50

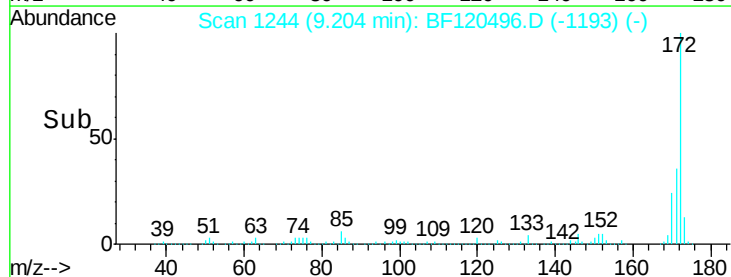
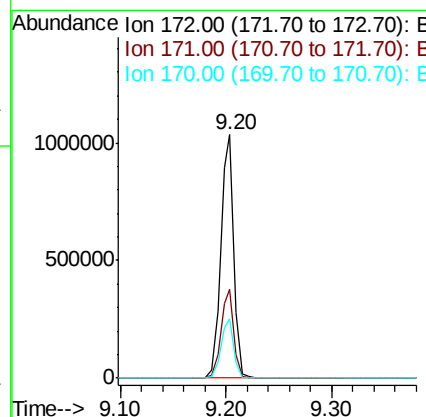
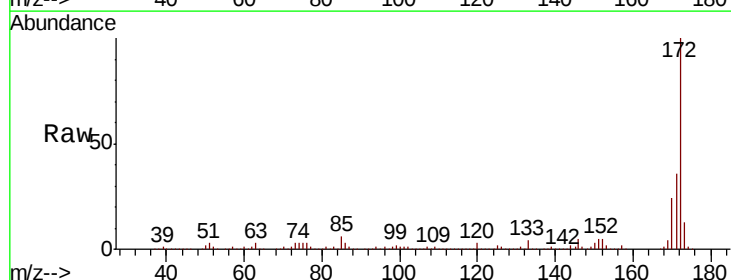
Instrument :
 BNA_F
 ClientSampleId :

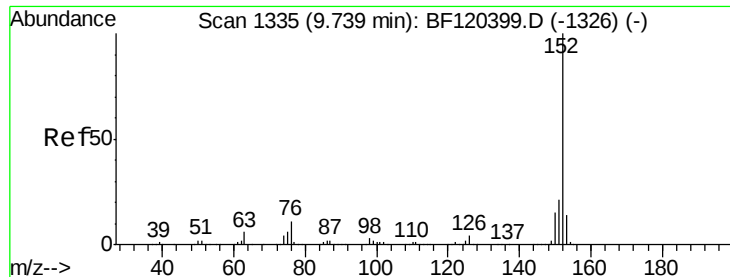
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.8	115.2
141	30.3	23.9	35.9



#45
 2-Fluorobiphenyl
 Concen: 70.749 ng
 RT: 9.20 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: BF120496.D
 Acq: 2 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.2
170	24.2	19.9	29.9





#49

Acenaphthylene

Concen: 5.968 ng

RT: 9.75 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF120496.D

Acq: 2 Jun 2020 15:50

Instrument :

BNA_F

ClientSampleId :

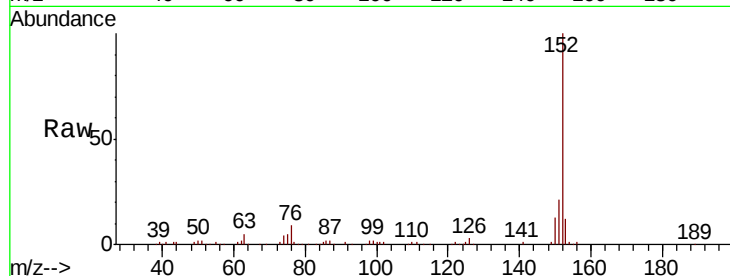
Tot Ion:152 Resp: 108479

Ion Ratio Lower Upper

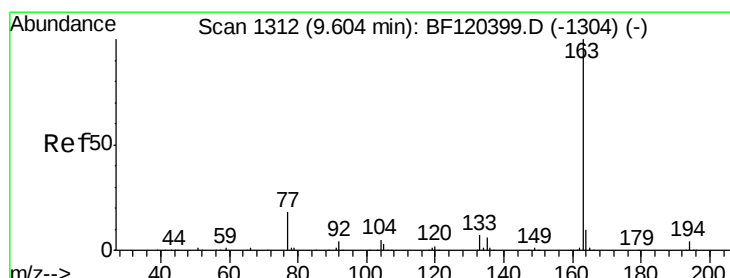
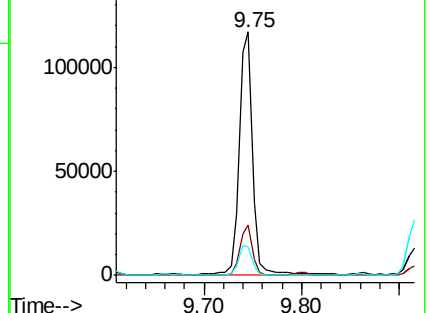
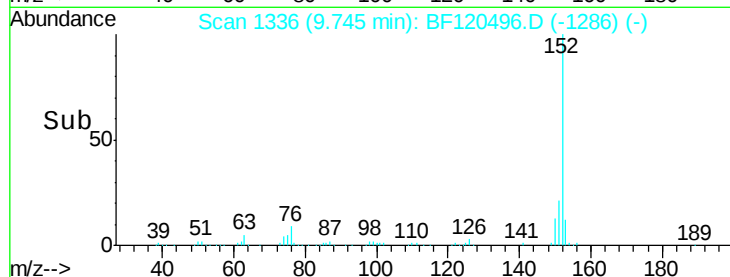
152 100

151 20.8 16.8 25.2

153 11.9 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: 13.148 ng

RT: 9.59 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF120496.D

Acq: 2 Jun 2020 15:50

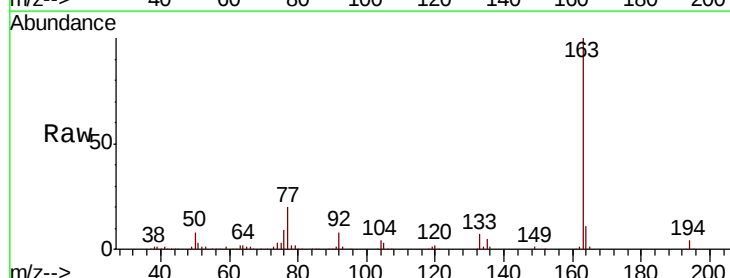
Tgt Ion:163 Resp: 178724

Ion Ratio Lower Upper

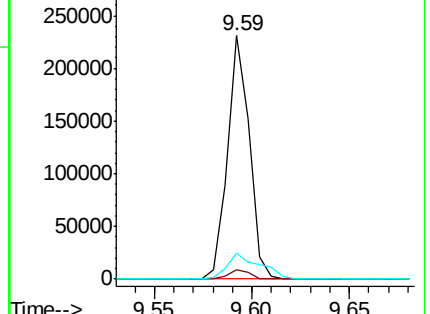
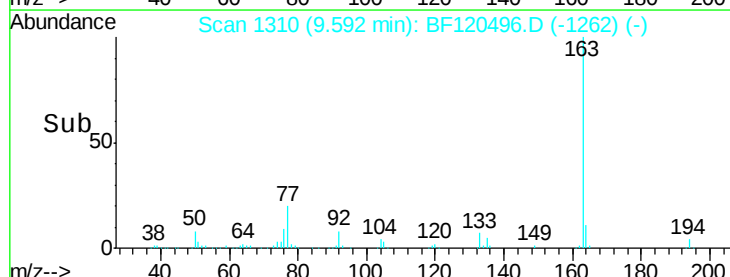
163 100

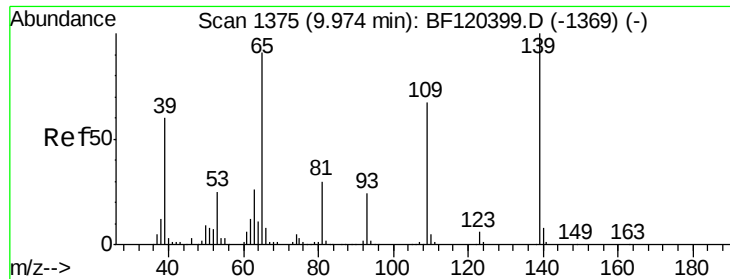
194 3.9 3.3 4.9

164 10.7 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

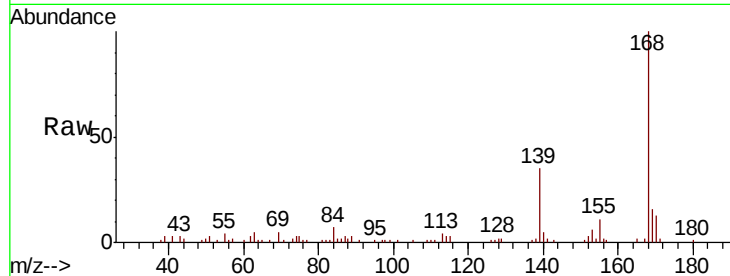




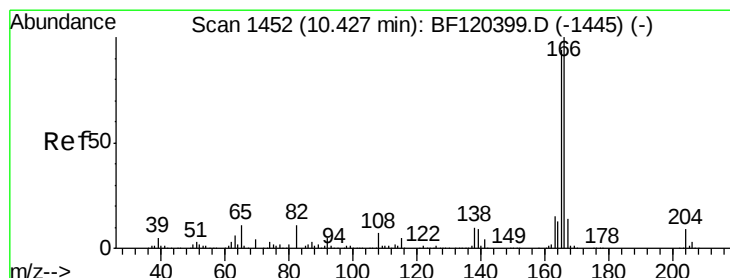
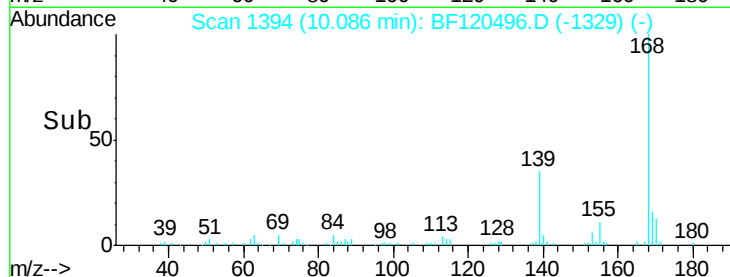
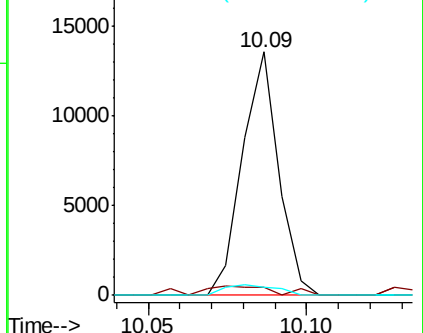
#56
4-Nitrophenol
Concen: 3.953 ng
RT: 10.09 min Scan# 1394
Delta R.T. 0.08 min
Lab File: BF120496.D
Acq: 2 Jun 2020 15:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	3.4	43.6	83.6#
65	3.5	62.9	102.9#

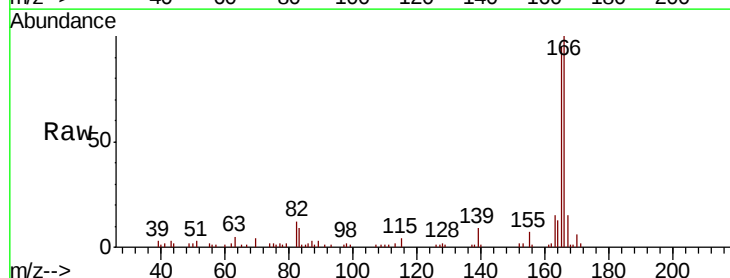


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

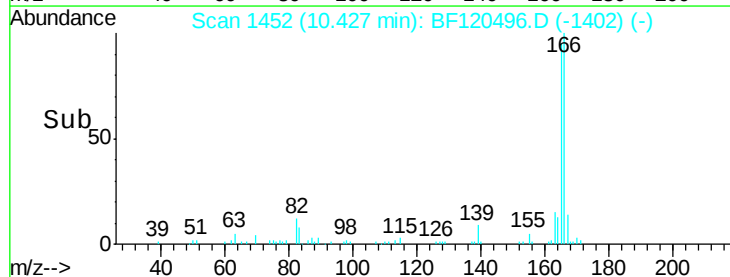
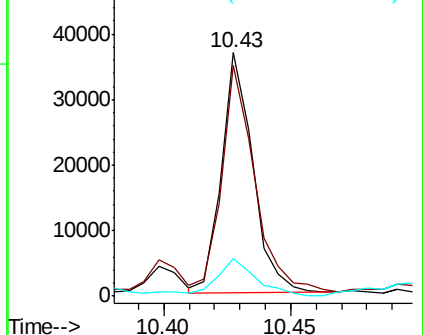


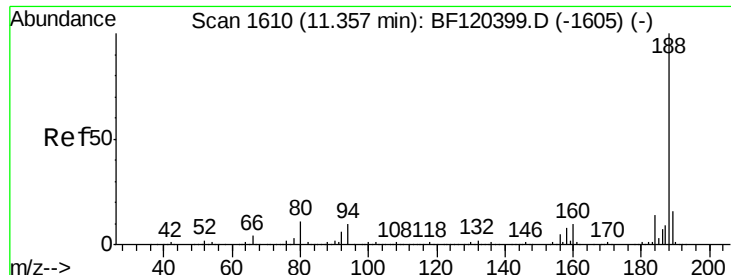
#58
Fluorene
Concen: 2.550 ng
RT: 10.43 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF120496.D
Acq: 2 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.7	76.2	114.2
167	15.3	11.2	16.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1612

Delta R.T. -0.01 min

Lab File: BF120496.D

Acq: 2 Jun 2020 15:50

Instrument :

BNA_F

ClientSampleId :

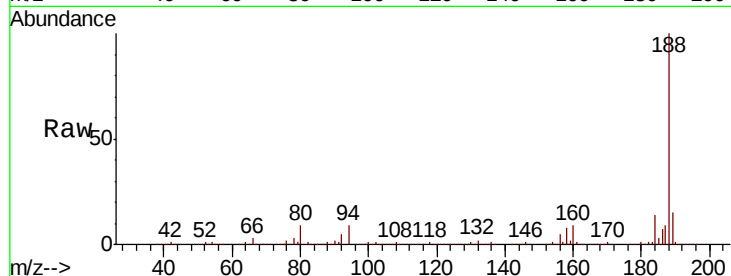
Tot Ion:188 Resp: 424317

Ion Ratio Lower Upper

188 100

94 9.1 6.6 10.0

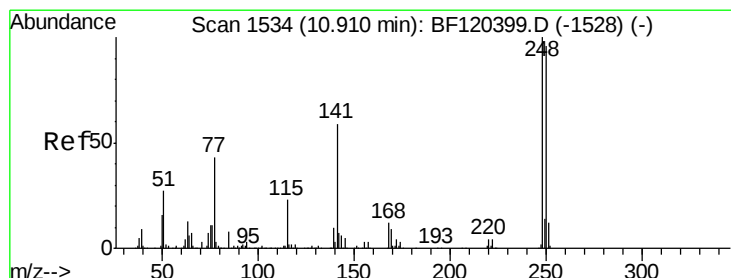
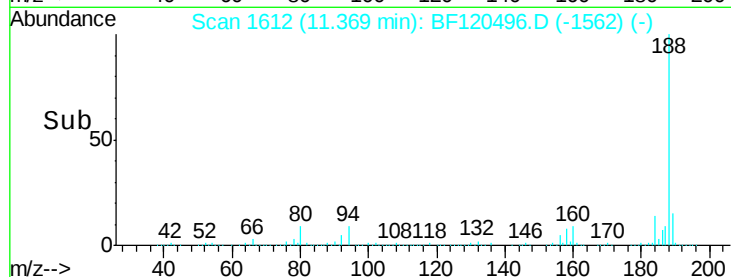
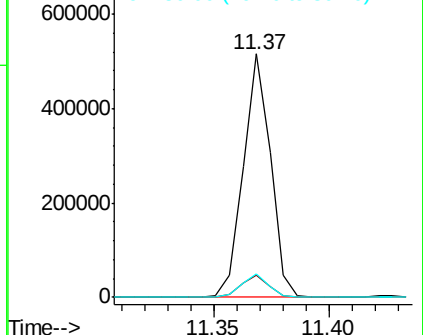
80 9.4 7.1 10.7



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: 2.775 ng

RT: 10.67 min Scan# 1493

Delta R.T. -0.25 min

Lab File: BF120496.D

Acq: 2 Jun 2020 15:50

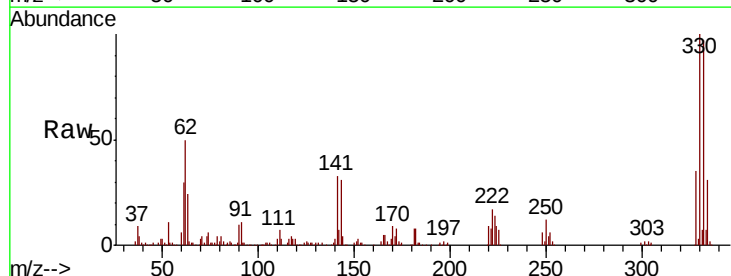
Tgt Ion:248 Resp: 11886

Ion Ratio Lower Upper

248 100

250 200.1 77.8 116.6#

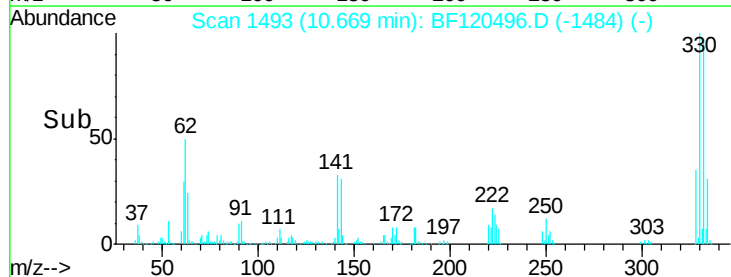
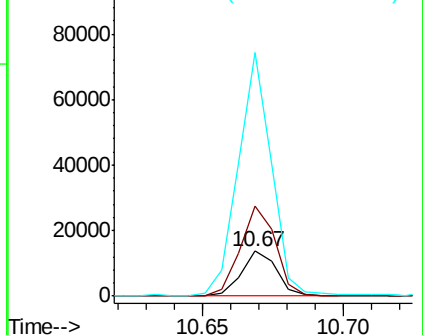
141 539.4 54.8 82.2#

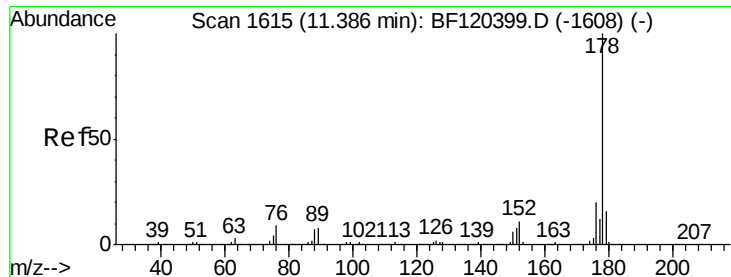


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

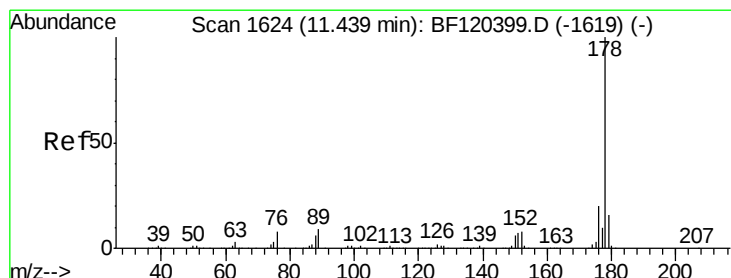
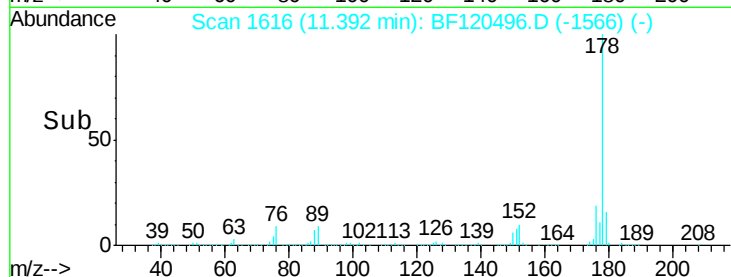
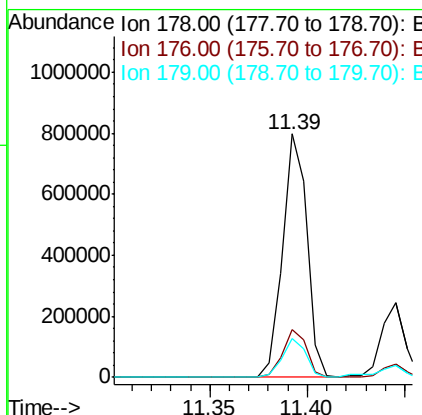
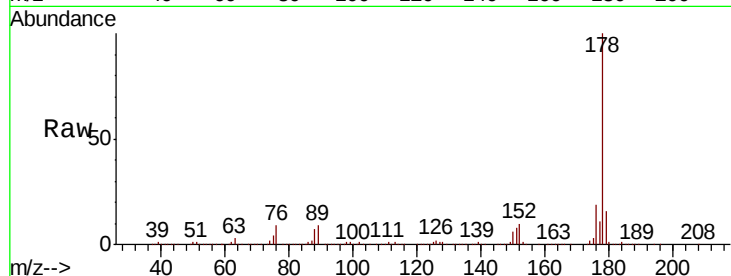




#71
Phenanthrene
Concen: 36.714 ng
RT: 11.39 min Scan# 1616
Delta R.T. -0.01 min
Lab File: BF120496.D
Acq: 2 Jun 2020 15:50

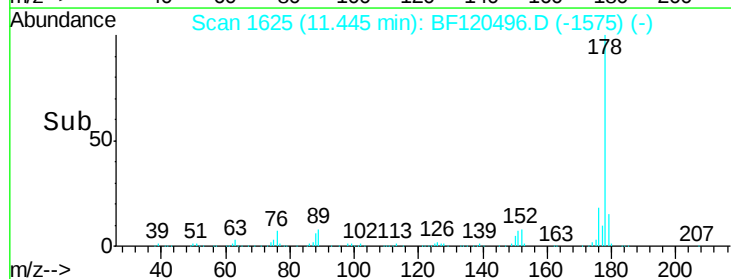
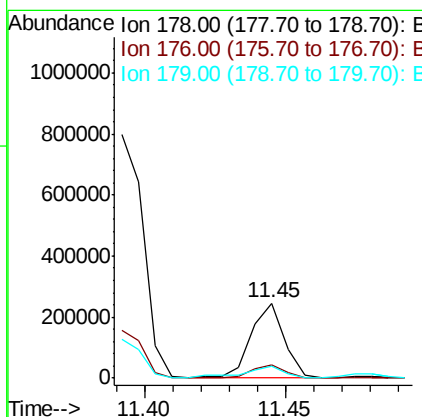
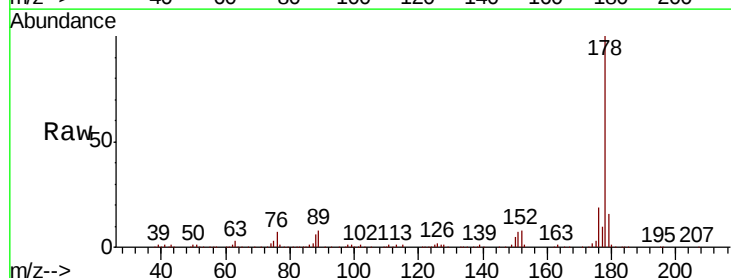
Instrument :
BNA_F
ClientSampled :

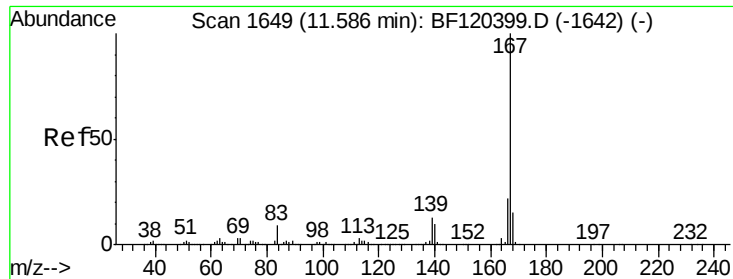
Tot Ion:178 Resp: 686435
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.2
179 15.8 12.8 19.2



#72
Anthracene
Concen: 10.392 ng
RT: 11.45 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BF120496.D
Acq: 2 Jun 2020 15:50

Tgt Ion:178 Resp: 194937
Ion Ratio Lower Upper
178 100
176 18.5 15.9 23.9
179 15.5 12.7 19.1

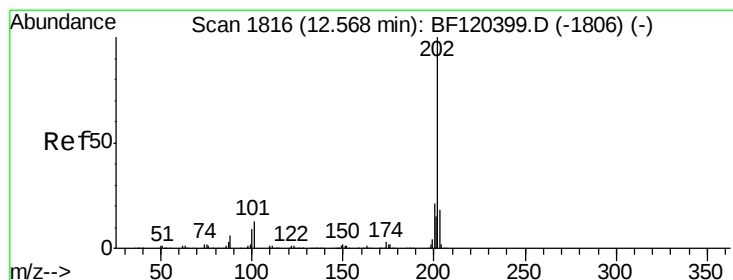
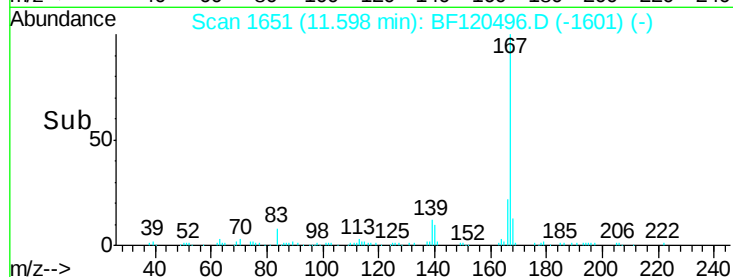
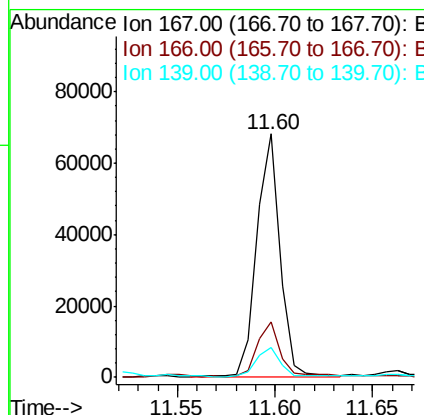
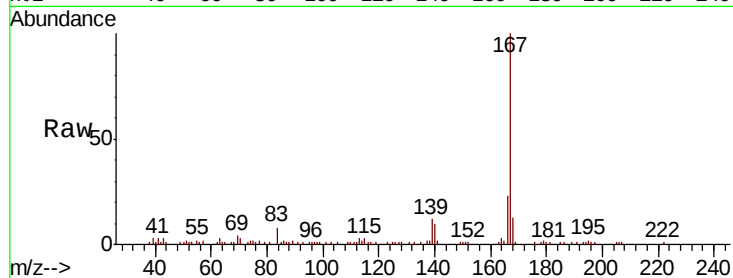




#73
 Carbazole
 Concen: 3.140 ng
 RT: 11.60 min Scan# 1651
 Delta R.T. -0.01 min
 Lab File: BF120496.D
 Acq: 2 Jun 2020 15:50

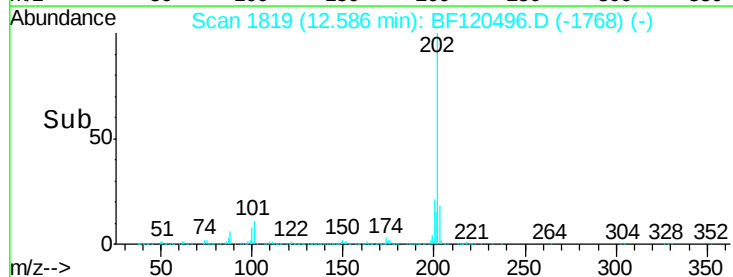
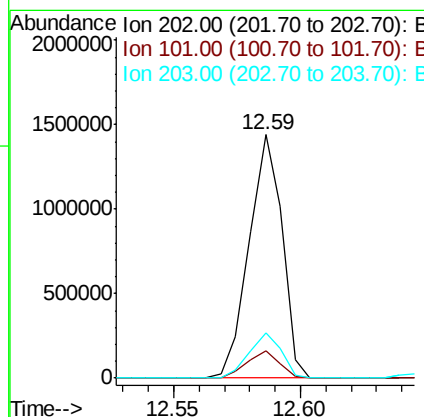
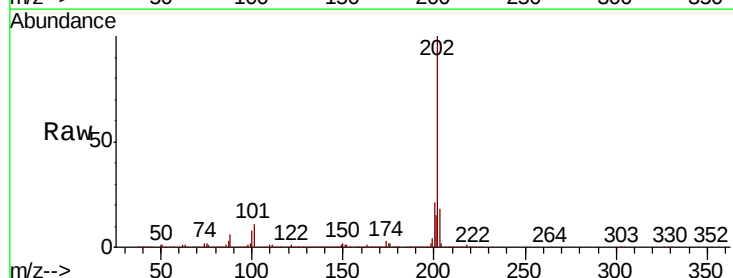
Instrument :
 BNA_F
 ClientSampleId :

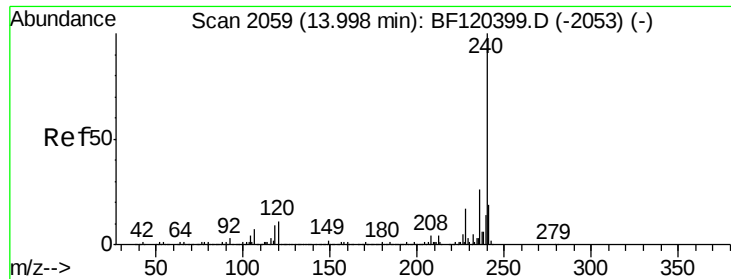
Tot Ion:167 Resp: 56975
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.8 26.8
 139 12.3 10.3 15.5



#75
 Fluoranthene
 Concen: 65.183 ng
 RT: 12.59 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: BF120496.D
 Acq: 2 Jun 2020 15:50

Tgt Ion:202 Resp: 1311335
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 31.4
 203 18.5 0.0 38.8

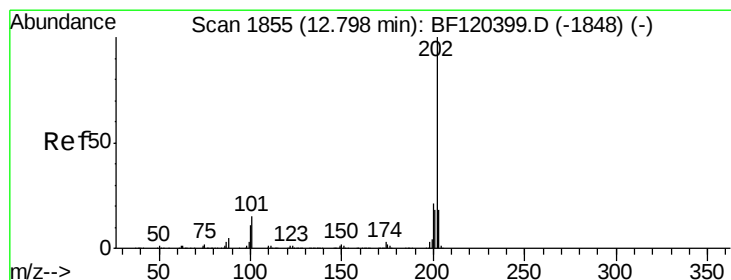
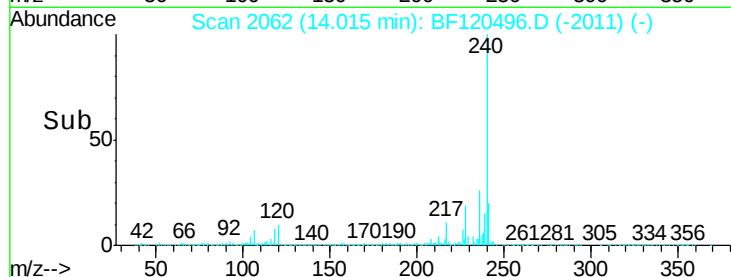
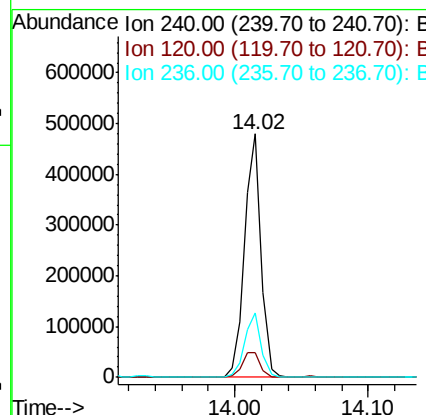
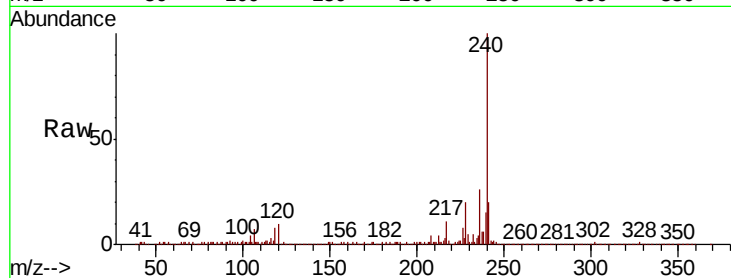




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2062
Delta R.T. -0.00 min
Lab File: BF120496.D
Acq: 2 Jun 2020 15:50

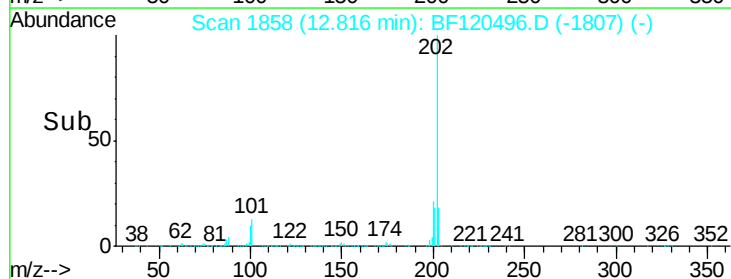
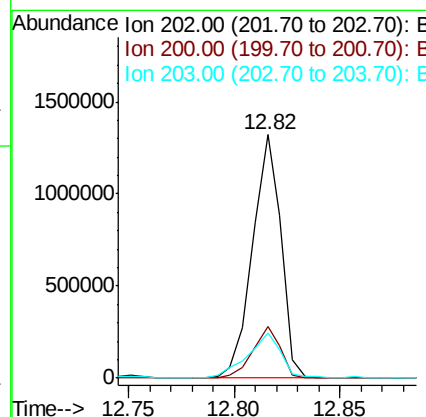
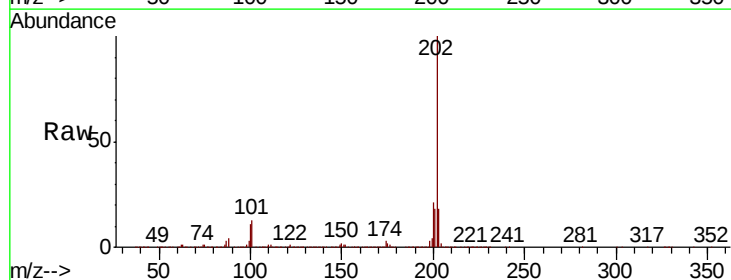
Instrument :
BNA_F
ClientSampleId :

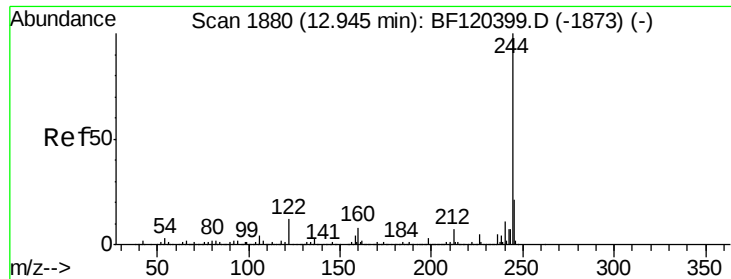
Tot Ion:240 Resp: 410036
Ion Ratio Lower Upper
240 100
120 10.0 9.9 14.9
236 26.3 21.0 31.6



#78
Pyrene
Concen: 43.342 ng
RT: 12.82 min Scan# 1858
Delta R.T. -0.00 min
Lab File: BF120496.D
Acq: 2 Jun 2020 15:50

Tgt Ion:202 Resp: 1235916
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.6
203 18.4 14.6 22.0





#79

Terphenyl-d14

Concen: 61.620 ng

RT: 12.96 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BF120496.D

Acq: 2 Jun 2020 15:50

Instrument :

BNA_F

ClientSampleId :

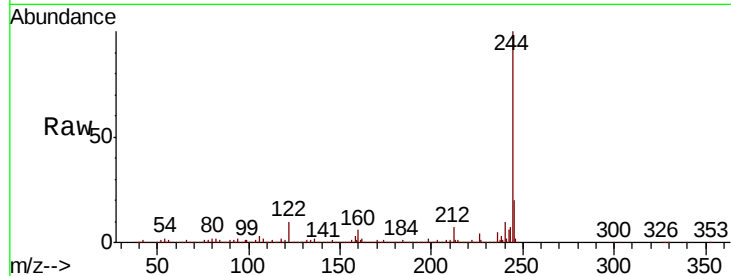
Tot Ion:244 Resp: 1135441

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

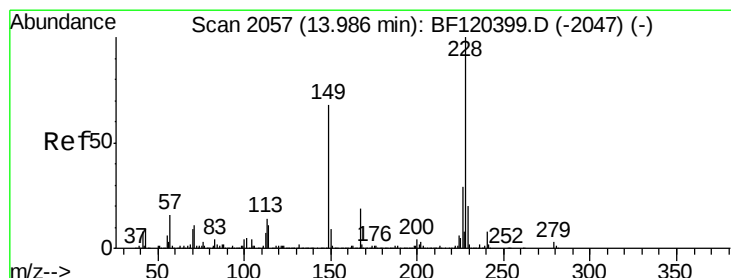
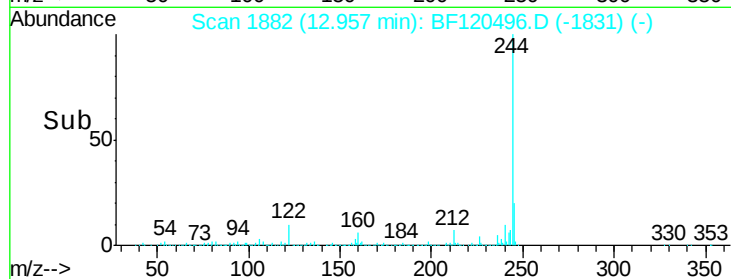
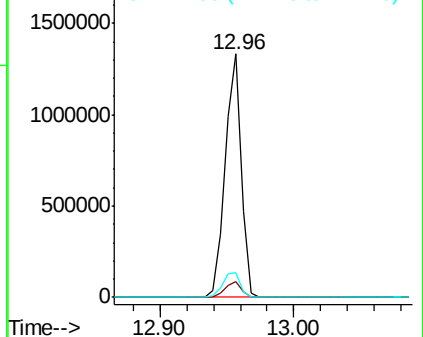
122 10.2 8.7 13.1



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: 32.647 ng

RT: 14.00 min Scan# 2060

Delta R.T. -0.00 min

Lab File: BF120496.D

Acq: 2 Jun 2020 15:50

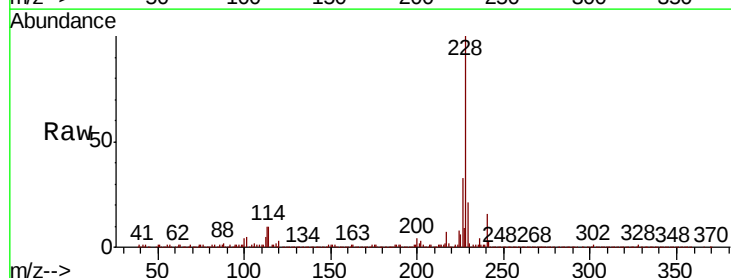
Tgt Ion:228 Resp: 717446

Ion Ratio Lower Upper

228 100

226 32.7 22.9 34.3

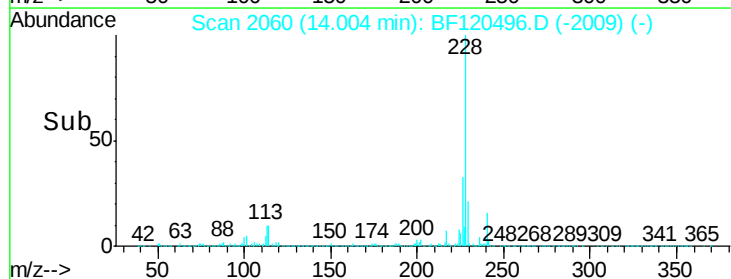
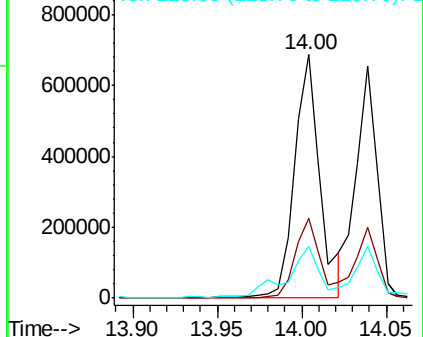
229 21.0 16.3 24.5

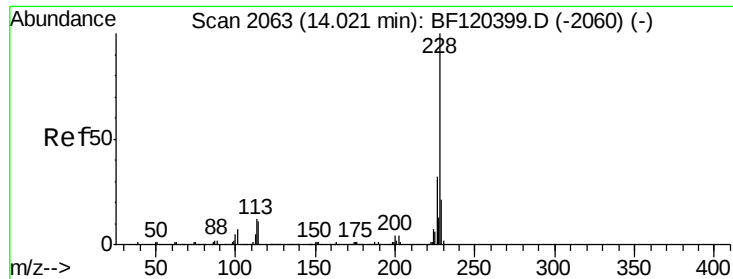


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

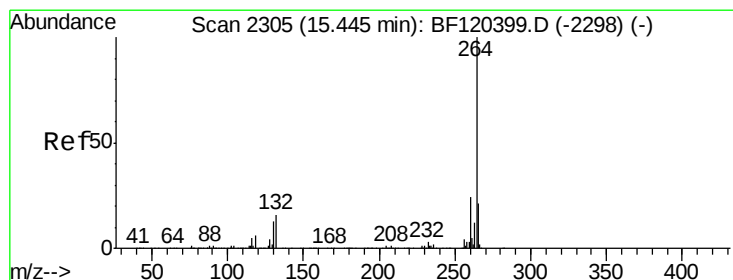
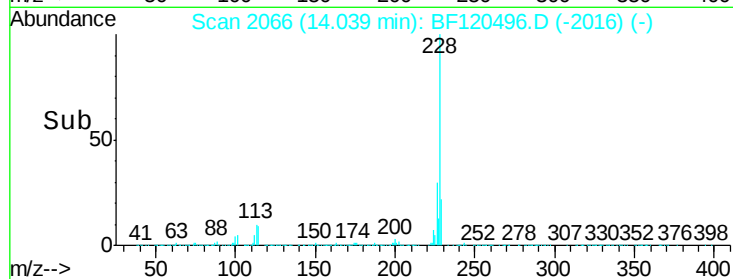
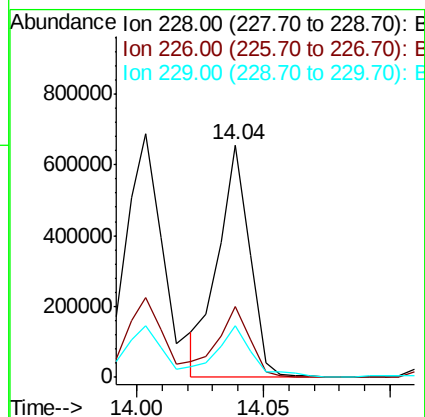
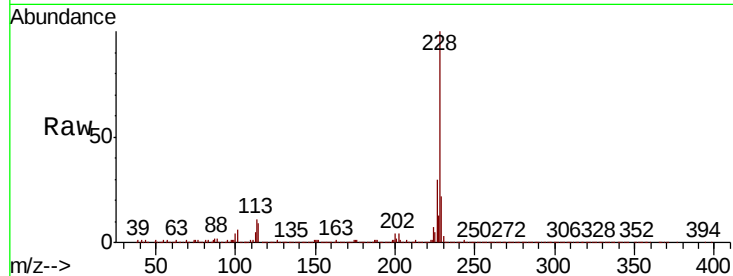




#83
Chrysene
Concen: 24.556 ng
RT: 14.04 min Scan# 2066
Delta R.T. -0.01 min
Lab File: BF120496.D
Acq: 2 Jun 2020 15:50

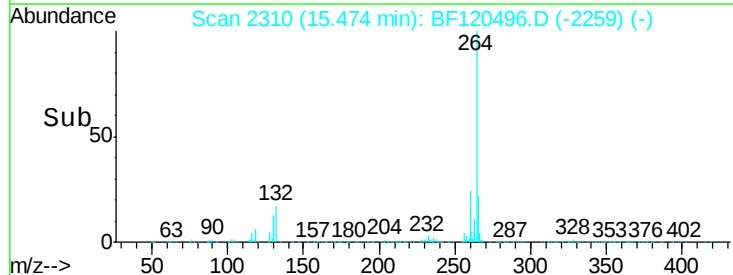
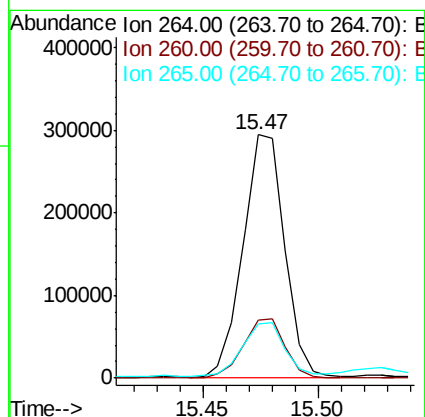
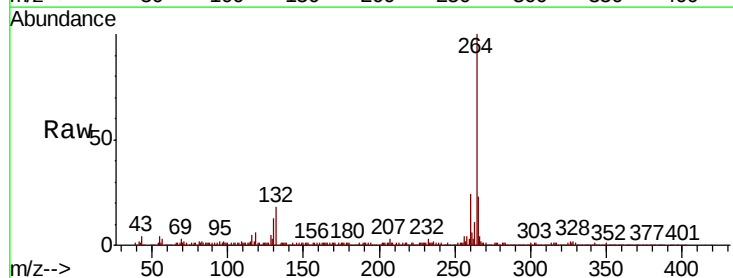
Instrument :
BNA_F
ClientSampleId :

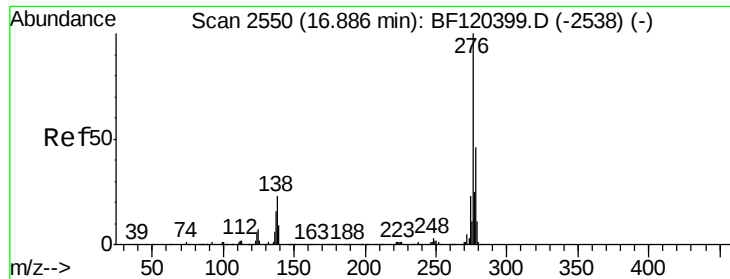
Tot Ion:228 Resp: 565736
Ion Ratio Lower Upper
228 100
226 30.4 25.7 38.5
229 22.4 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2310
Delta R.T. -0.00 min
Lab File: BF120496.D
Acq: 2 Jun 2020 15:50

Tgt Ion:264 Resp: 368798
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 22.5 17.6 26.4

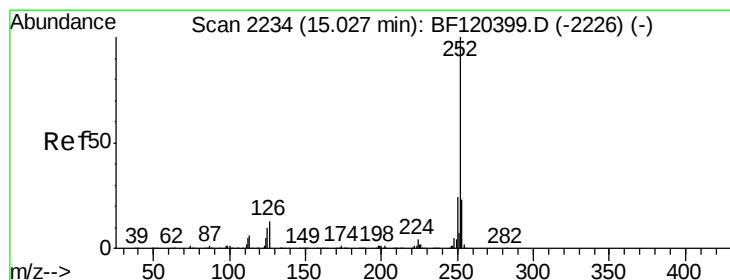
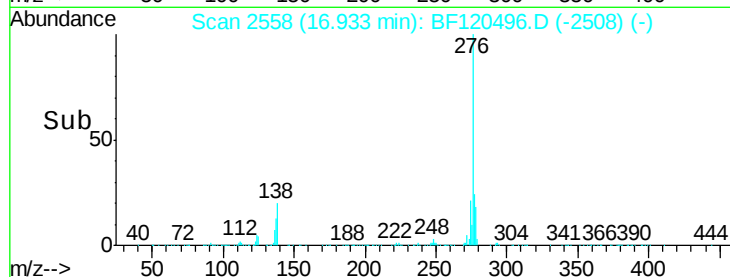
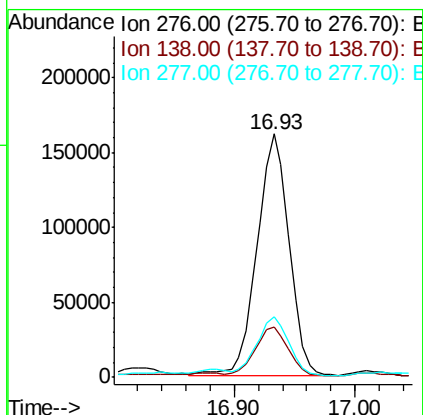
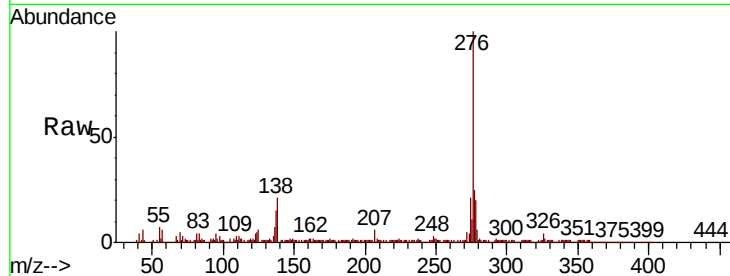




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 14.560 ng
 RT: 16.93 min Scan# 2558
 Delta R.T. -0.01 min
 Lab File: BF120496.D
 Acq: 2 Jun 2020 15:50

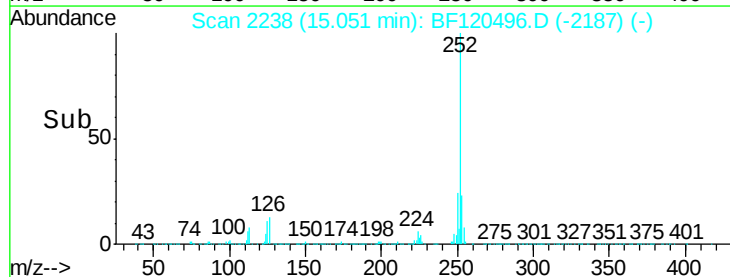
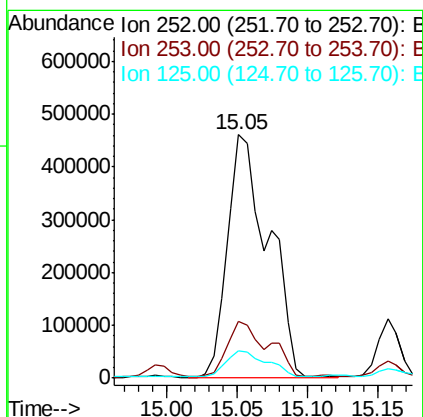
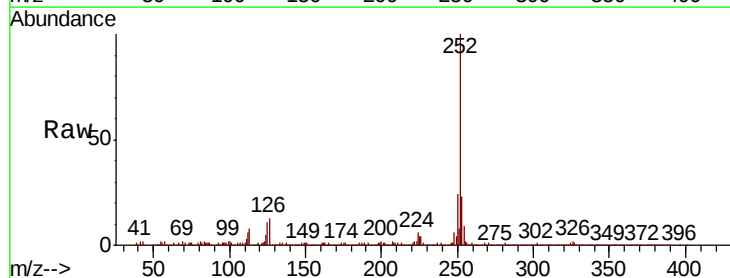
Instrument :
 BNA_F
 ClientSampleId :

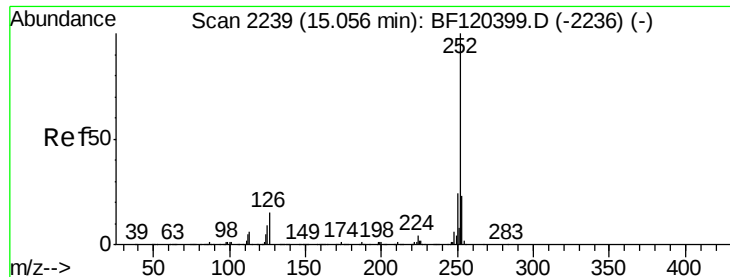
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.7	19.3	28.9
277	24.7	20.7	31.1



#88
 Benzo(b)fluoranthene
 Concen: 45.447 ng
 RT: 15.05 min Scan# 2238
 Delta R.T. -0.00 min
 Lab File: BF120496.D
 Acq: 2 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	11.1	8.2	12.4

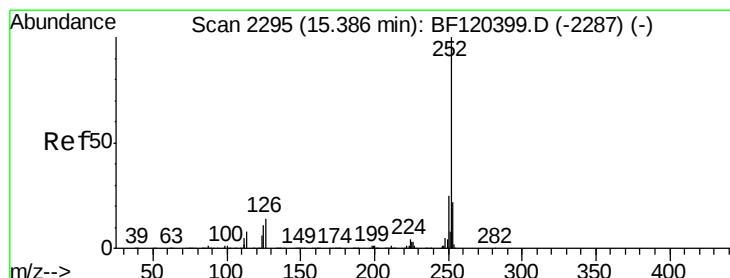
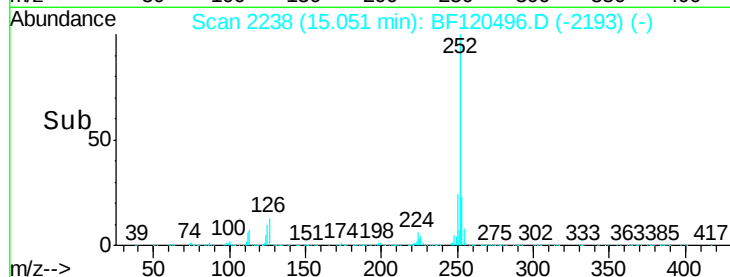
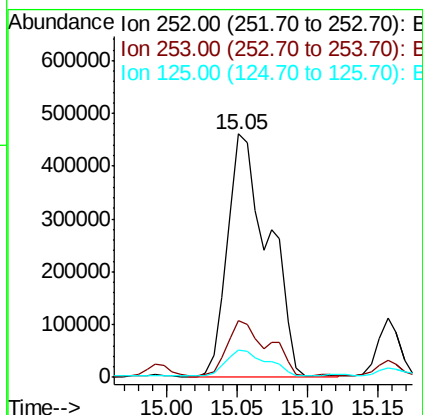
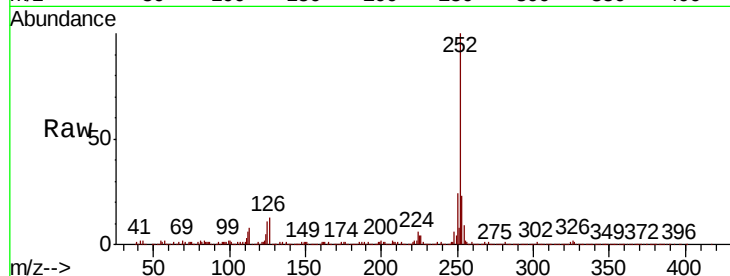




#89
Benzo(k)fluoranthene
Concen: 48.681 ng
RT: 15.05 min Scan# 2238
Delta R.T. -0.04 min
Lab File: BF120496.D
Acq: 2 Jun 2020 15:50

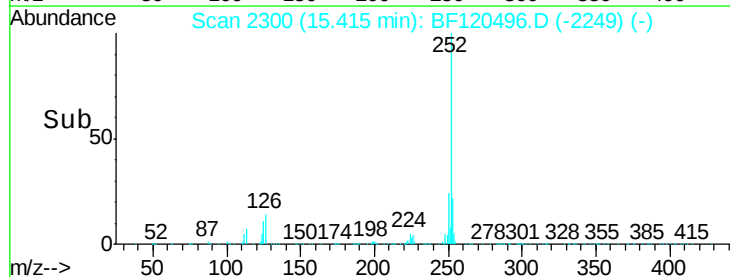
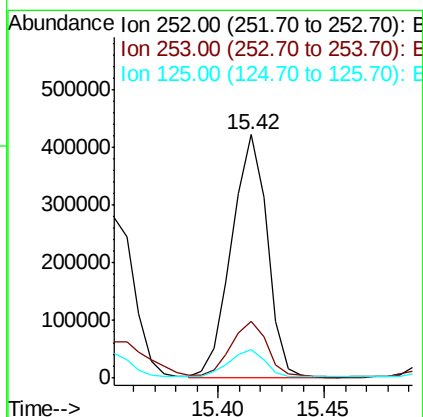
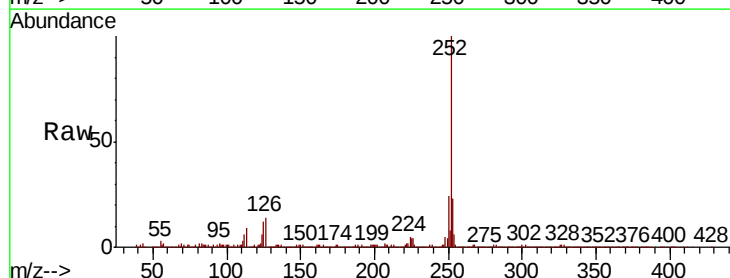
Instrument :
BNA_F
ClientSampleId :

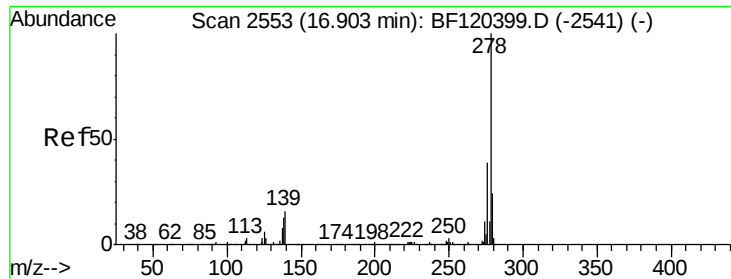
Tot Ion:252 Resp: 930933
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 11.1 7.1 10.7#



#90
Benzo(a)pyrene
Concen: 27.394 ng
RT: 15.42 min Scan# 2300
Delta R.T. -0.00 min
Lab File: BF120496.D
Acq: 2 Jun 2020 15:50

Tgt Ion:252 Resp: 490841
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 11.6 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 4.226 ng

RT: 16.94 min Scan# 2559

Delta R.T. -0.02 min

Lab File: BF120496.D

Acq: 2 Jun 2020 15:50

Instrument :

BNA_F

ClientSampleId :

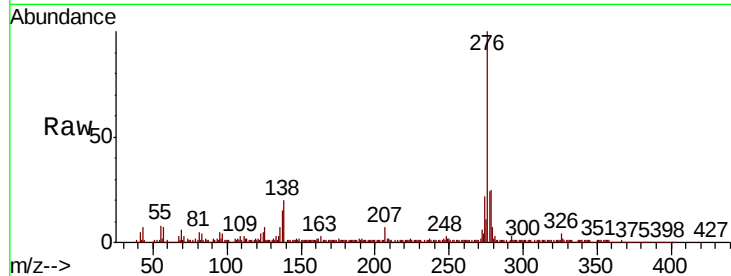
Tot Ion:278 Resp: 69504

Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.4#

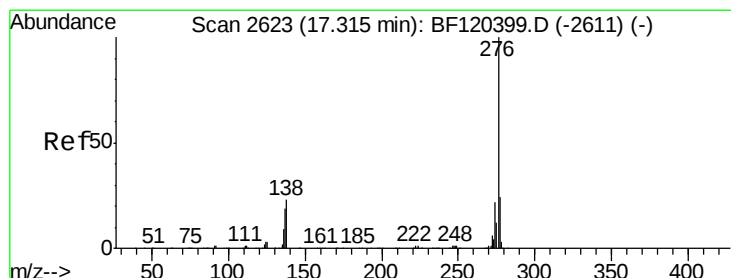
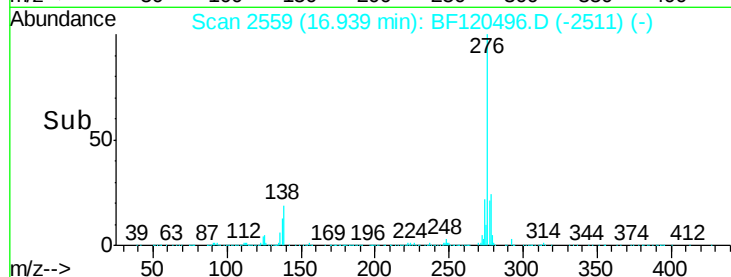
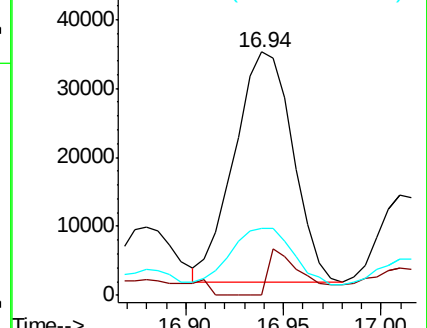
279 27.3 18.8 28.2



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(g,h,i)perylene

Concen: 16.849 ng

RT: 17.37 min Scan# 2633

Delta R.T. -0.01 min

Lab File: BF120496.D

Acq: 2 Jun 2020 15:50

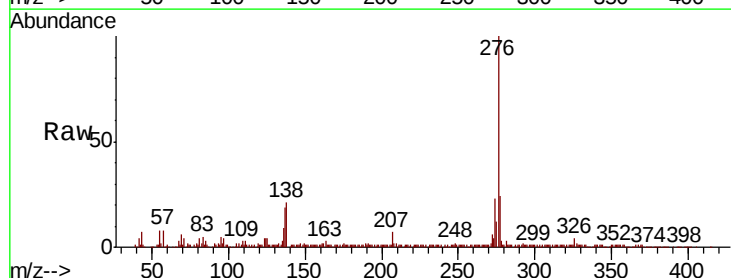
Tgt Ion:276 Resp: 273282

Ion Ratio Lower Upper

276 100

277 24.4 18.8 28.2

138 21.3 16.8 25.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

