

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
 Data File : BF120457.D
 Acq On : 29 May 2020 23:29
 Operator : MA/SJ
 Sample : L2773-19
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 30 00:42:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	251374	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	891489	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	406626	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	638269	20.00	ng	0.00
76) Chrysene-d12	14.00	240	521404	20.00	ng	0.00
86) Perylene-d12	15.45	264	538819	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1133278	85.92	ng	0.00
7) Phenol-d6	6.47	99	1475571	90.76	ng	0.00
23) Nitrobenzene-d5	7.40	82	963406	70.69	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	354454	94.08	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1755701	73.26	ng	0.00
79) Terphenyl-d14	12.94	244	1556067	66.41	ng	0.00

Target Compounds

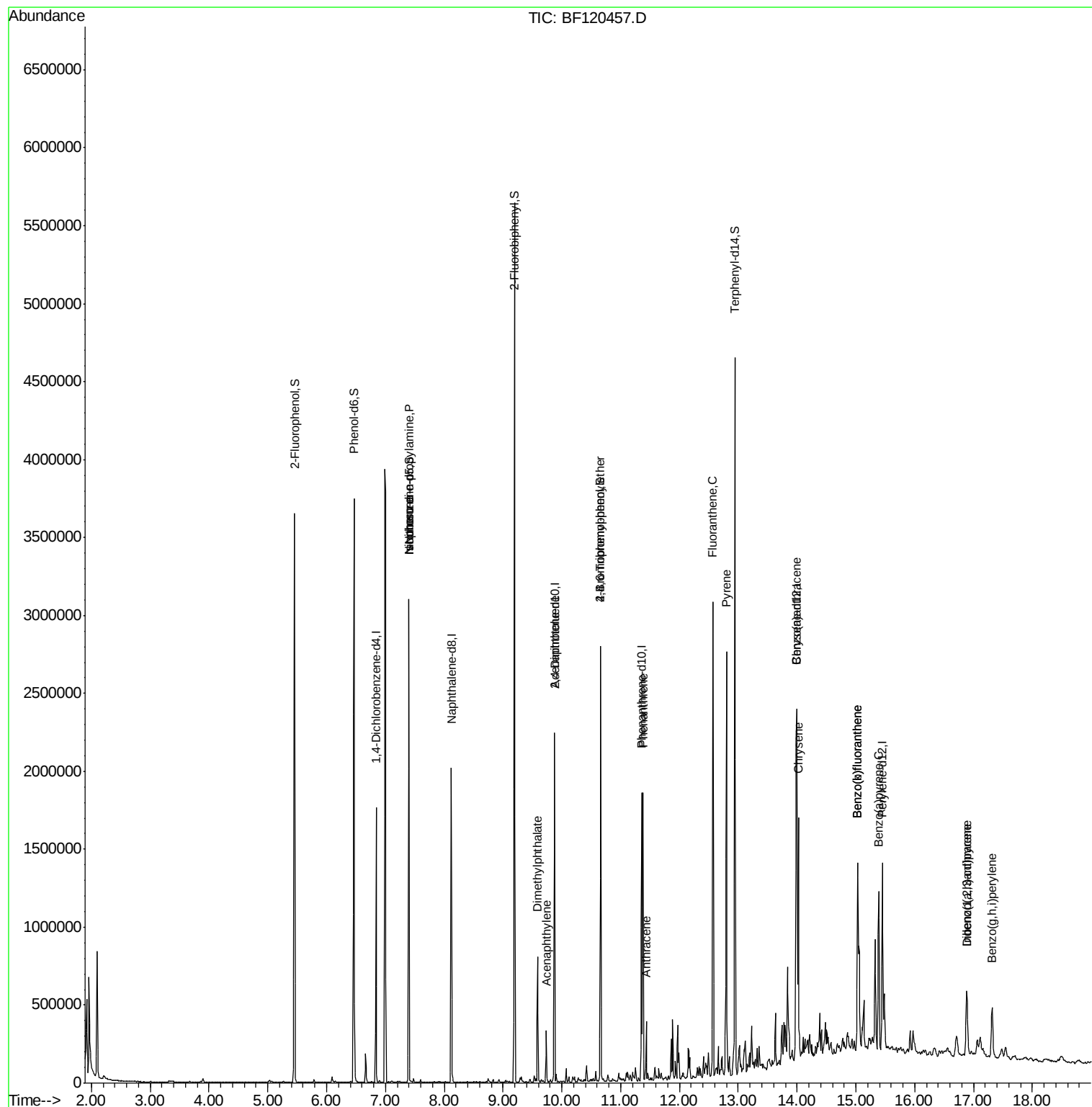
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	127453	12.333	ng	# 78
25) Isophorone	7.40	82	959586	35.032	ng	# 64
49) Acenaphthylene	9.73	152	122231	3.596	ng	98
50) Dimethylphthalate	9.59	163	282827	11.126	ng	99
57) 2,4-Dinitrotoluene	9.87	165	52410	7.249	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	20847	3.236	ng	# 1
71) Phenanthrene	11.38	178	614531	21.851	ng	98
72) Anthracene	11.43	178	139116	4.930	ng	97
75) Fluoranthene	12.57	202	1284694	42.453	ng	100
78) Pyrene	12.80	202	1094591	30.187	ng	99
81) Benzo(a)anthracene	13.99	228	642234	22.983	ng	97
83) Chrysene	14.02	228	532764	18.185	ng	96
87) Indeno(1,2,3-cd)pyrene	16.89	276	291466	9.890	ng	93
88) Benzo(b)fluoranthene	15.03	252	926533	30.959	ng	98
89) Benzo(k)fluoranthene	15.03	252	926533	33.163	ng	99
90) Benzo(a)pyrene	15.39	252	486952	18.602	ng	99
91) Dibenzo(a,h)anthracene	16.89	278	72476	3.016	ng	93
92) Benzo(g,h,i)perylene	17.32	276	255406	10.778	ng	98

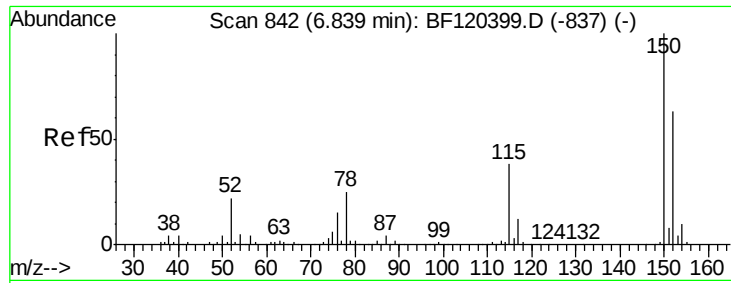
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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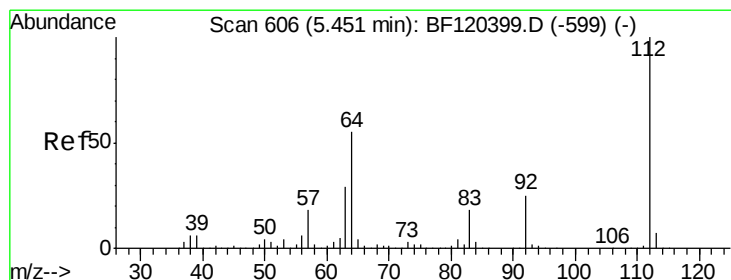
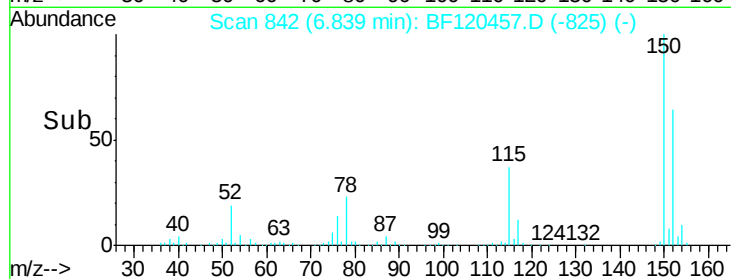
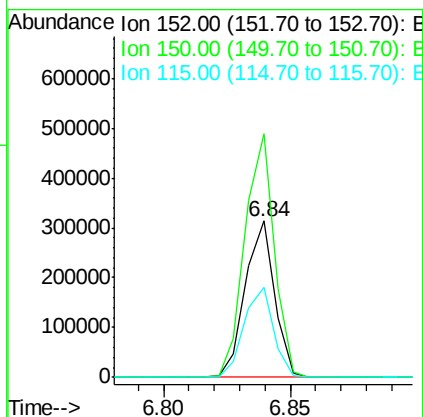
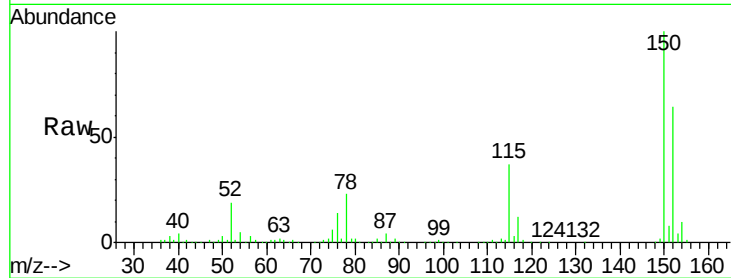


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. -0.00 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

Instrument :
BNA_F
ClientSampleId :

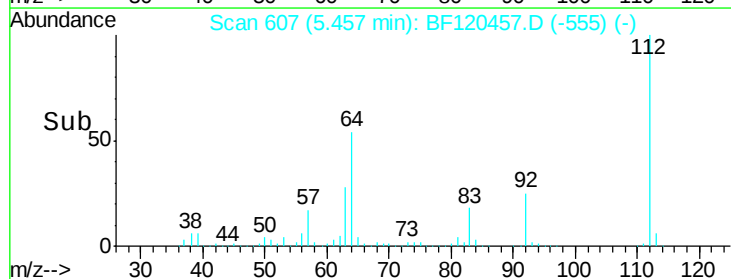
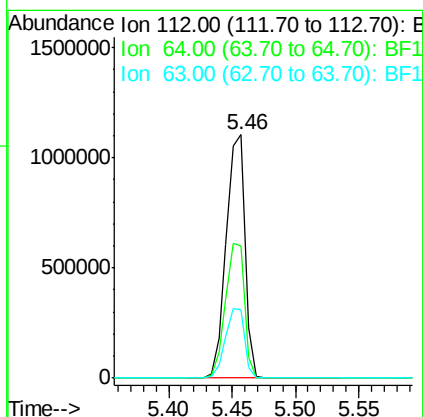
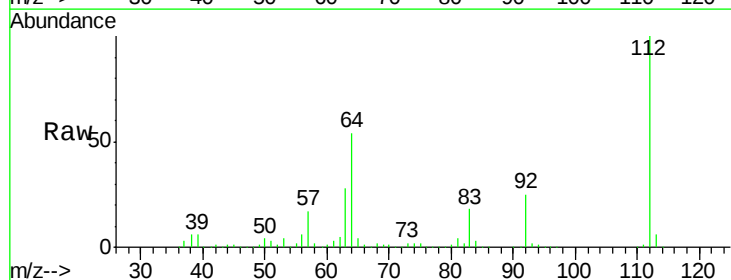
Tot Ion:152 Resp: 251374
Ion Ratio Lower Upper
152 100
150 155.6 126.5 189.7
115 57.1 47.6 71.4

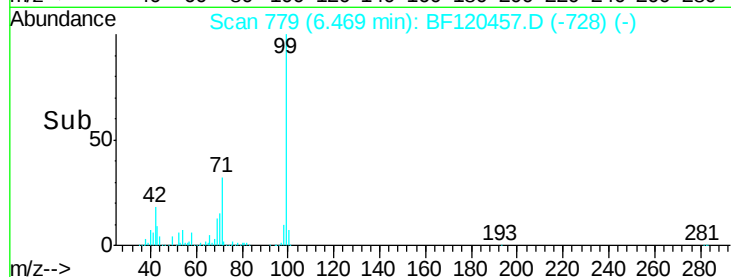
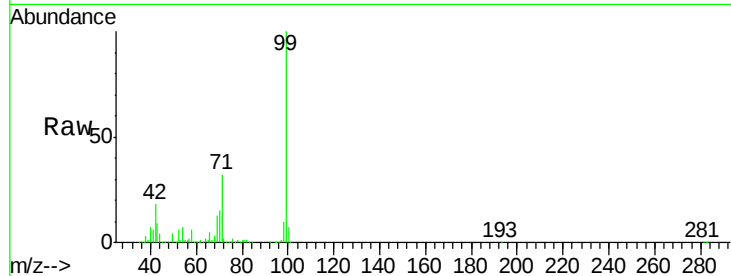
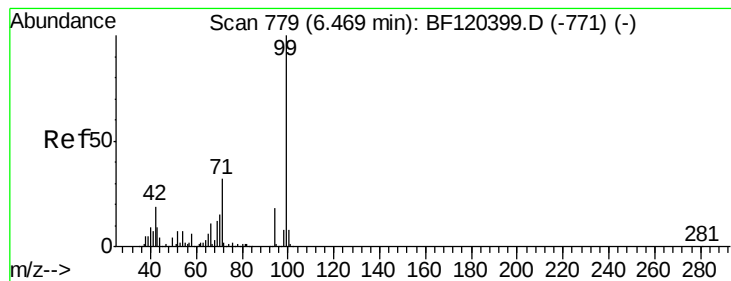


#5

2-Fluorophenol
Concen: 85.917 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

Tgt Ion:112 Resp: 1133278
Ion Ratio Lower Upper
112 100
64 54.4 44.3 66.5
63 28.2 22.9 34.3





#7

Phenol-d6

Concen: 90.760 ng

RT: 6.47 min Scan# 779

Delta R.T. -0.00 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

Instrument :

BNA_F

ClientSampleId :

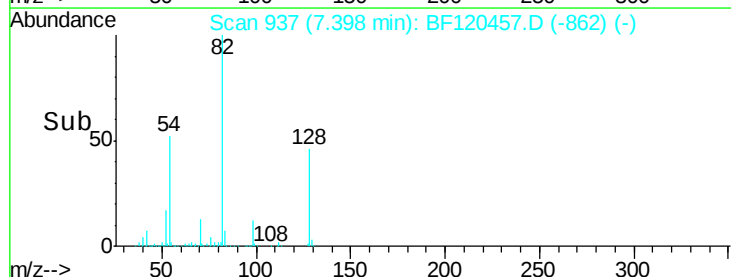
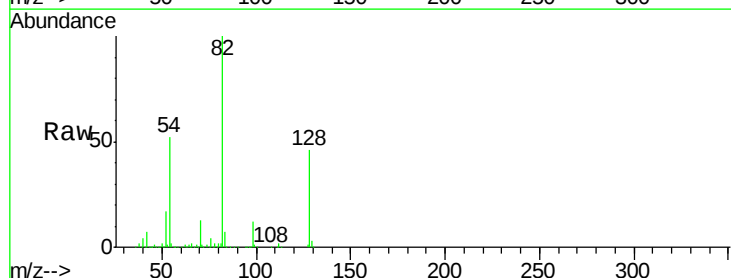
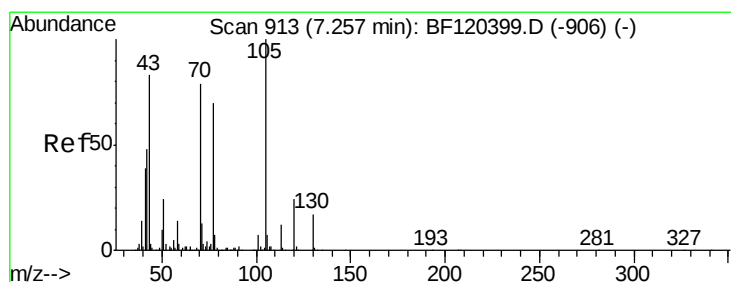
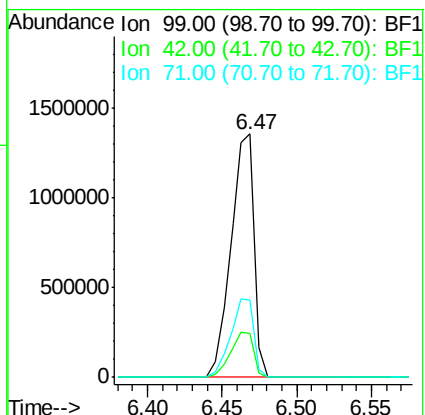
Tot Ion: 99 Resp: 1475571

Ion Ratio Lower Upper

99 100

42 18.0 15.2 22.8

71 31.9 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.333 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

Tgt Ion: 70 Resp: 127453

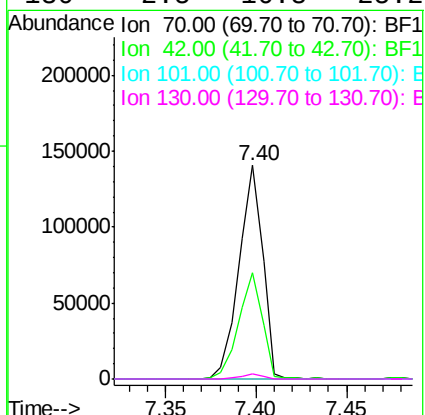
Ion Ratio Lower Upper

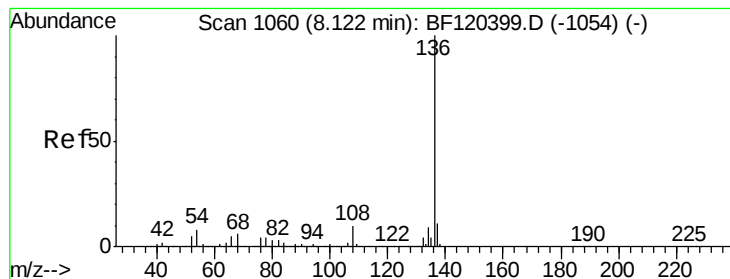
70 100

42 49.7 48.9 73.3

101 0.0 7.4 11.2#

130 2.5 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 891489

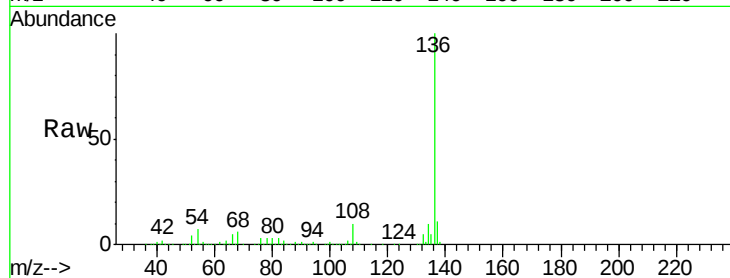
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.3 6.7 10.1

68 5.6 5.0 7.4

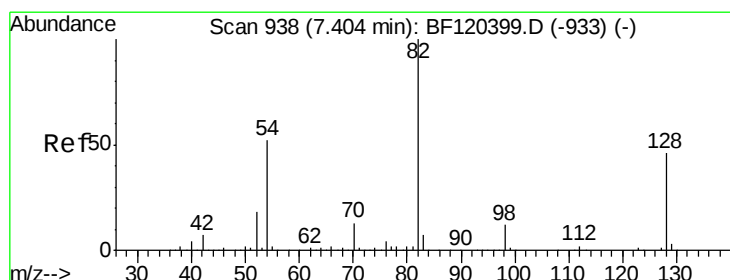
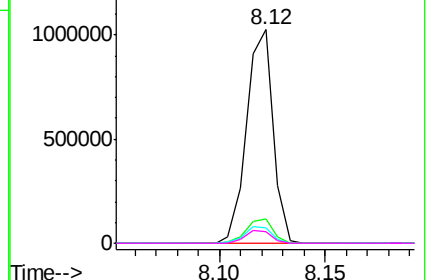
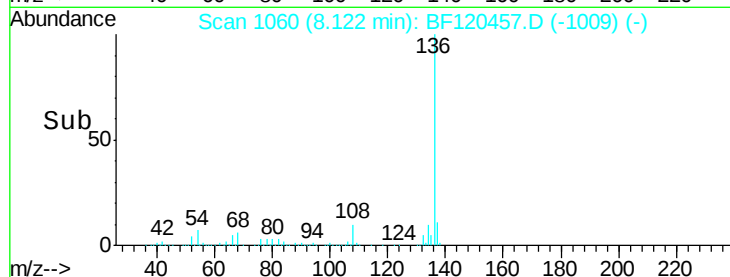


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.690 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

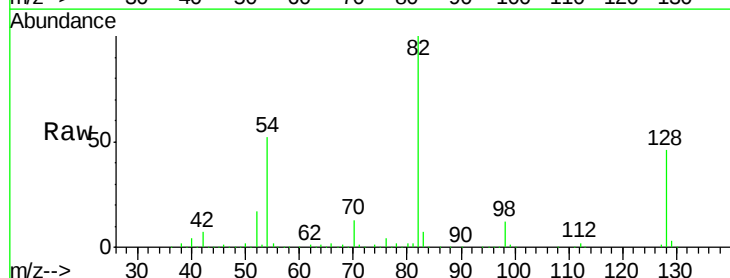
Tgt Ion: 82 Resp: 963406

Ion Ratio Lower Upper

82 100

128 46.4 36.8 55.2

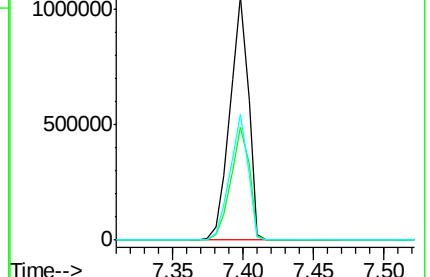
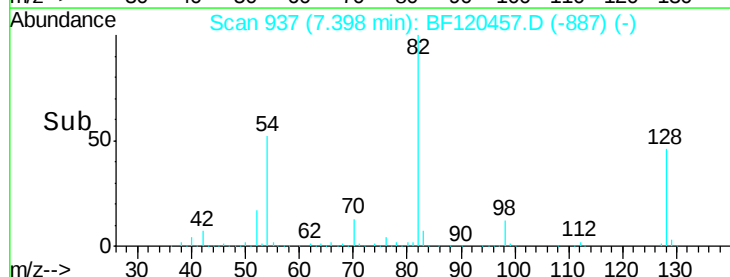
54 51.6 41.6 62.4

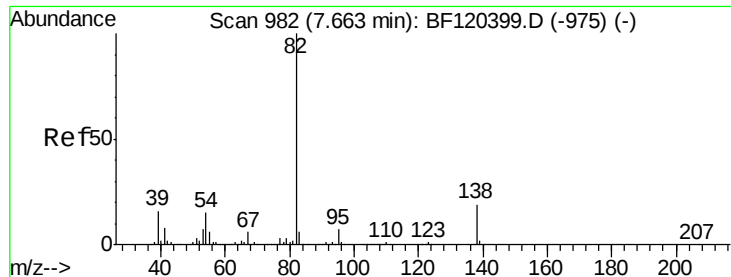


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.032 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

Instrument :

BNA_F

ClientSampled :

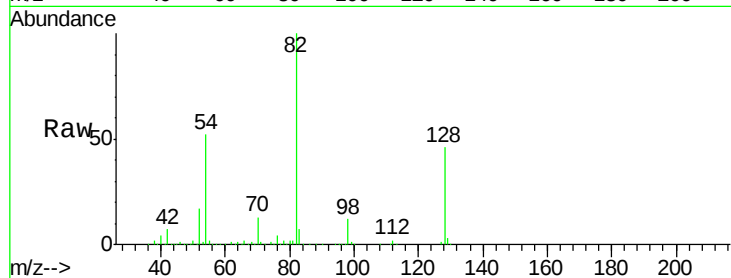
Tot Ion: 82 Resp: 959586

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

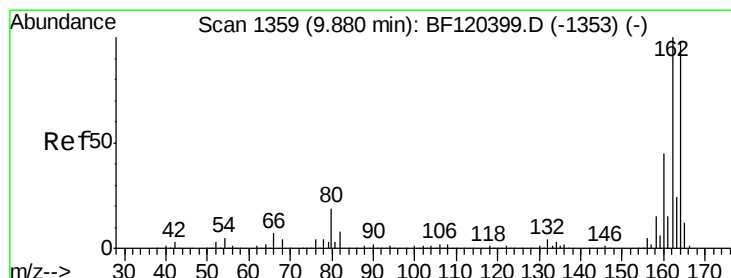
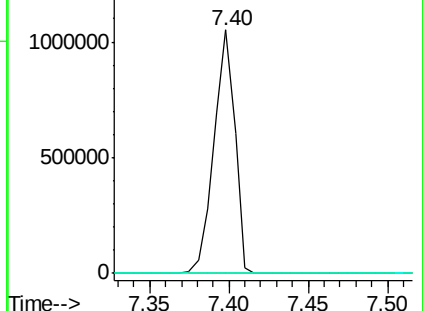
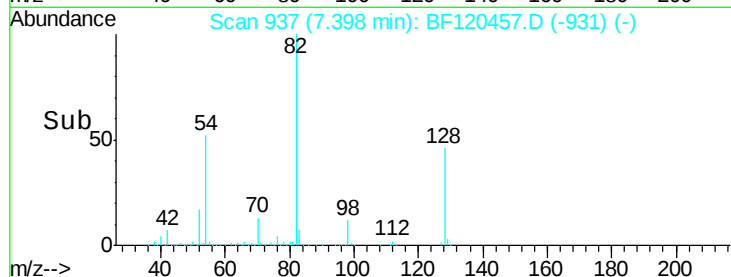
138 0.0 15.0 22.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.00 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

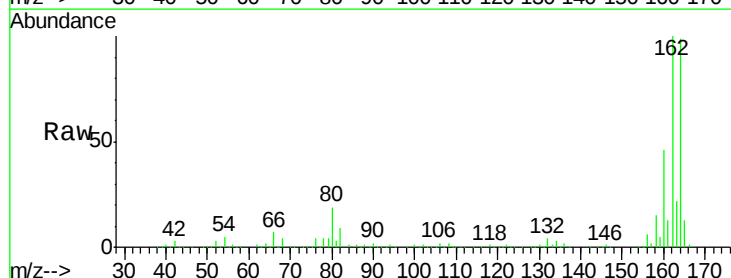
Tgt Ion:164 Resp: 406626

Ion Ratio Lower Upper

164 100

162 100.7 81.3 121.9

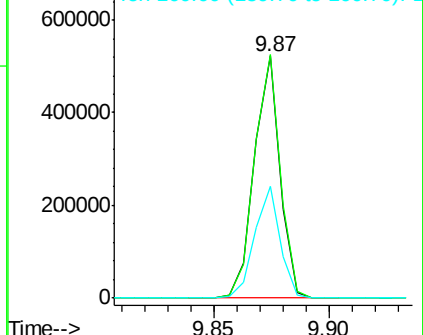
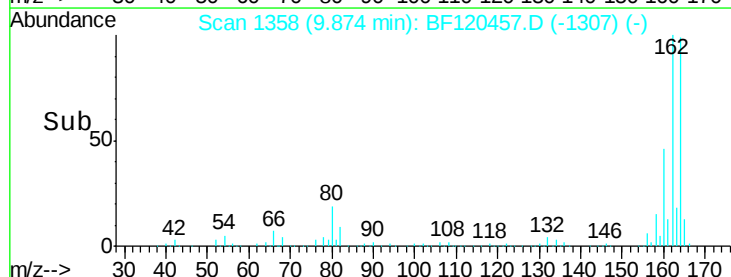
160 46.0 36.9 55.3

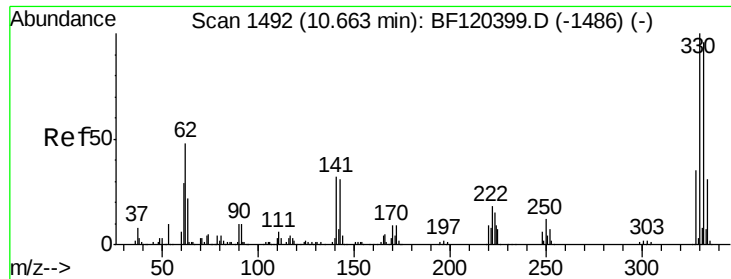


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

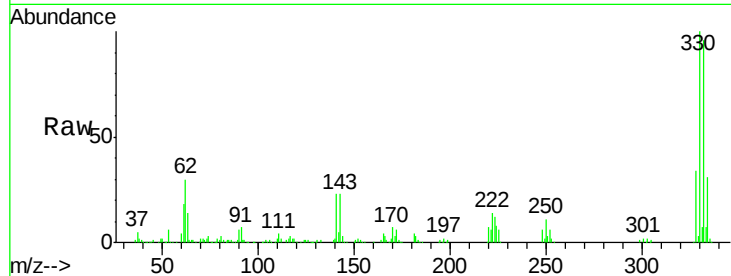




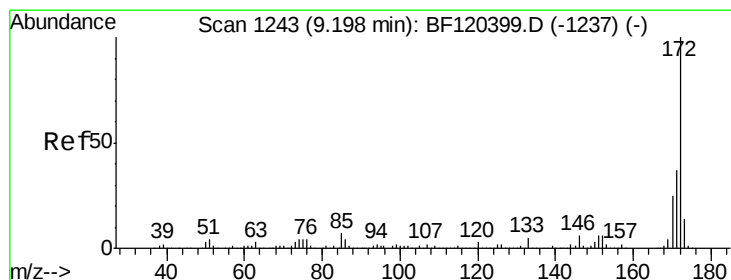
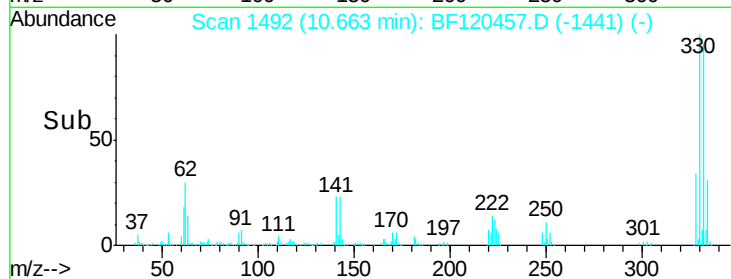
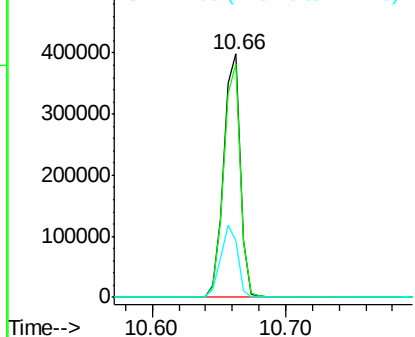
#42
 2,4,6-Tribromophenol
 Concen: 94.080 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: BF120457.D
 Acq: 29 May 2020 23:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	30.3	25.3	37.9

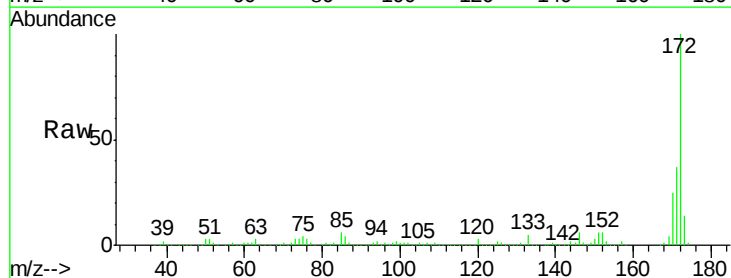


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

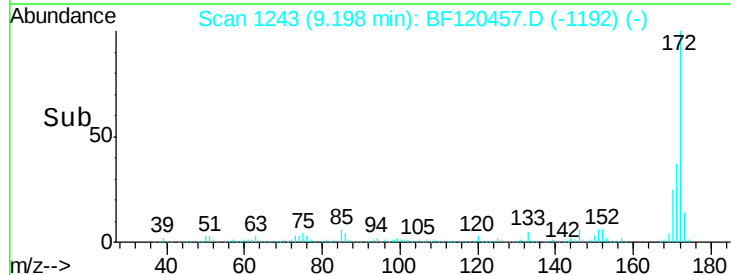
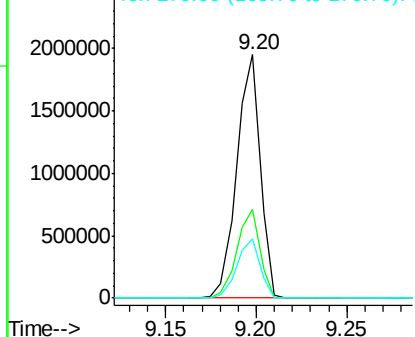


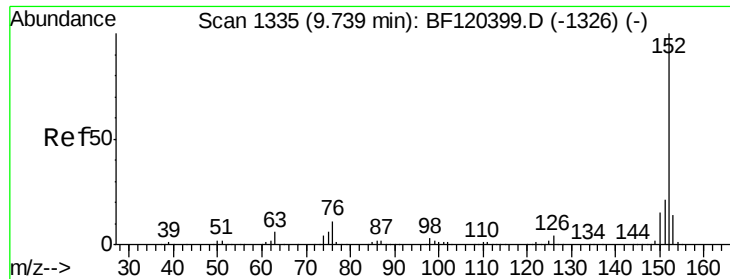
#45
 2-Fluorobiphenyl
 Concen: 73.259 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: BF120457.D
 Acq: 29 May 2020 23:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.6	19.9	29.9



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





#49

Acenaphthylene

Concen: 3.596 ng

RT: 9.73 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

Instrument :

BNA_F

ClientSampleId :

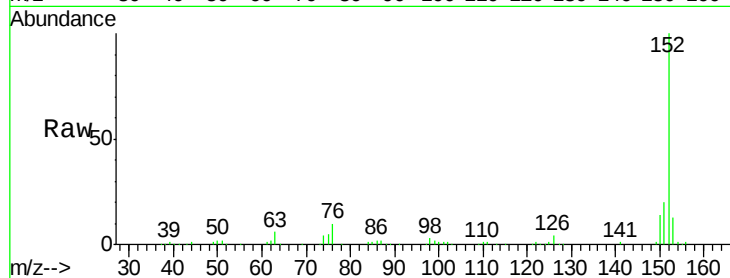
Tot Ion:152 Resp: 122231

Ion Ratio Lower Upper

152 100

151 19.9 16.8 25.2

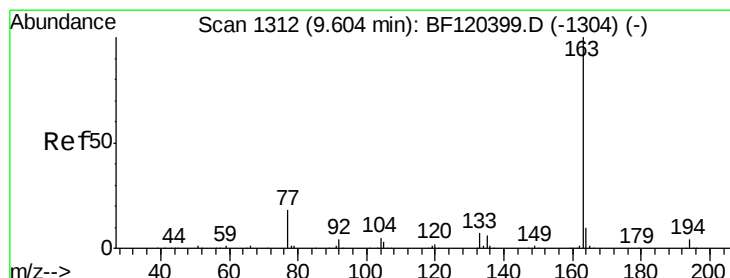
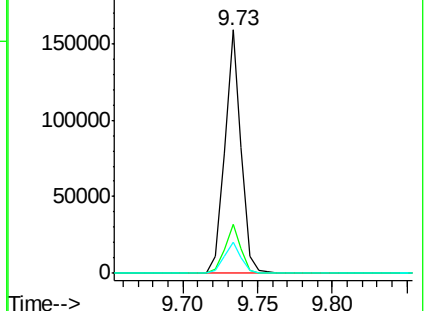
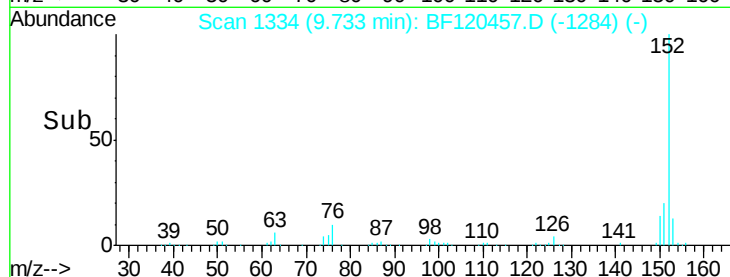
153 13.0 11.2 16.8



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: 11.126 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

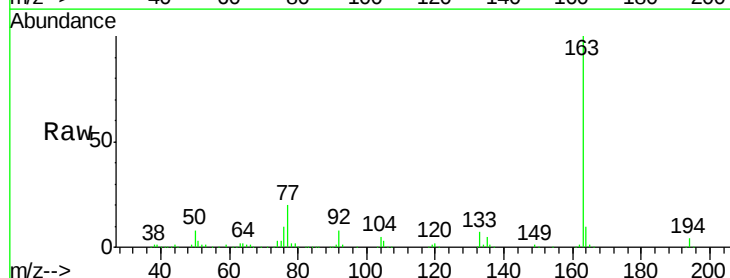
Tgt Ion:163 Resp: 282827

Ion Ratio Lower Upper

163 100

194 3.7 3.3 4.9

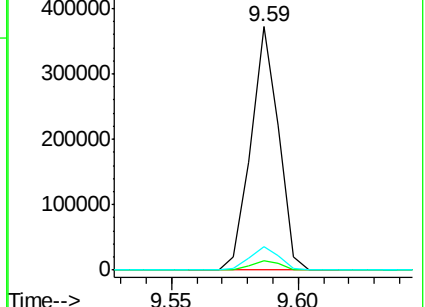
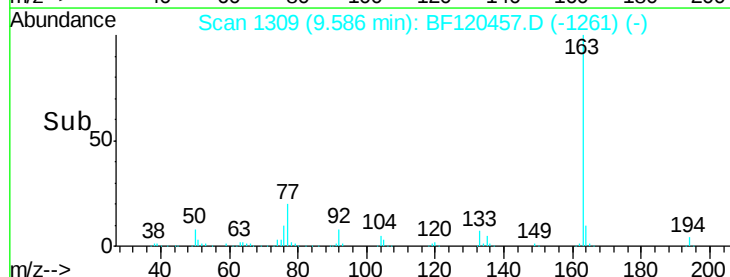
164 9.9 8.3 12.5

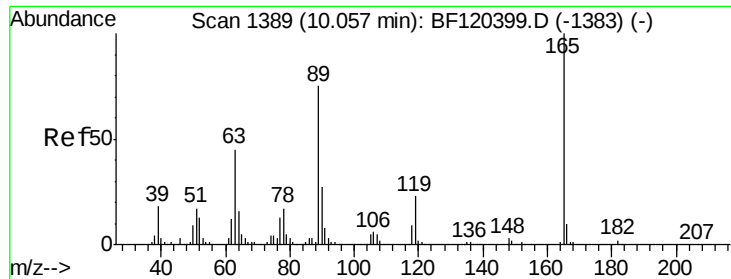


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

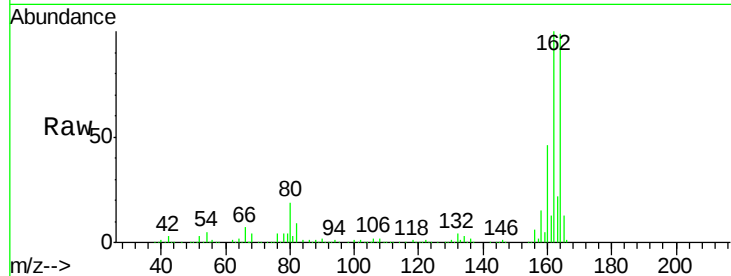




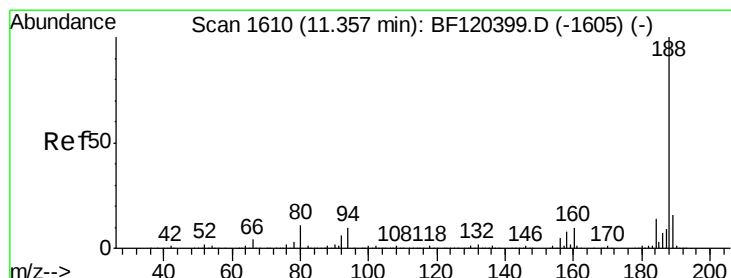
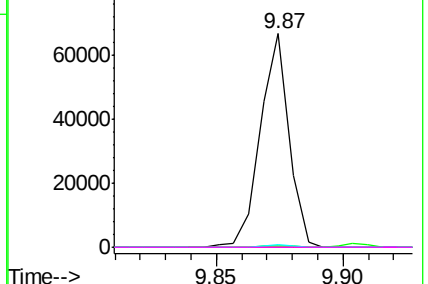
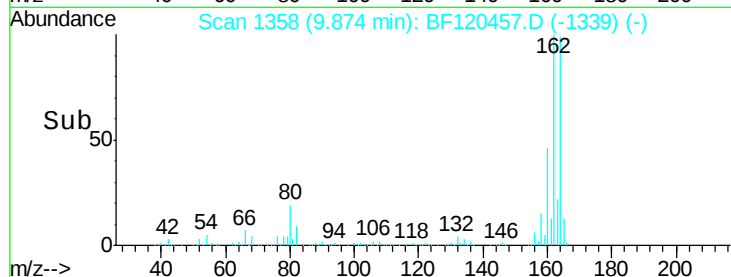
#57
 2,4-Dinitrotoluene
 Concen: 7.249 ng
 RT: 9.87 min Scan# 1358
 Delta R.T. -0.19 min
 Lab File: BF120457.D
 Acq: 29 May 2020 23:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 52410
 Ion Ratio Lower Upper
 165 100
 63 0.9 35.9 53.9#
 89 1.3 60.0 90.0#
 182 0.0 2.0 3.0#

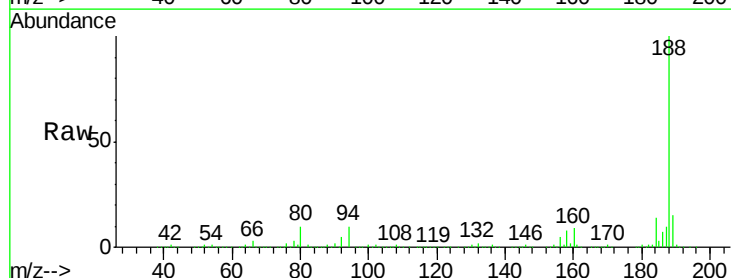


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

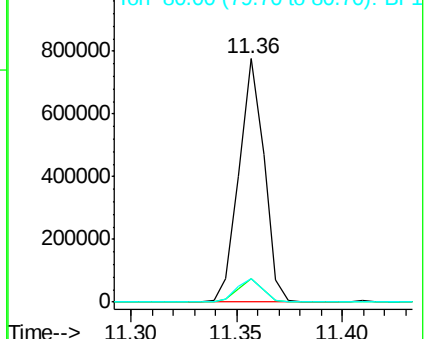
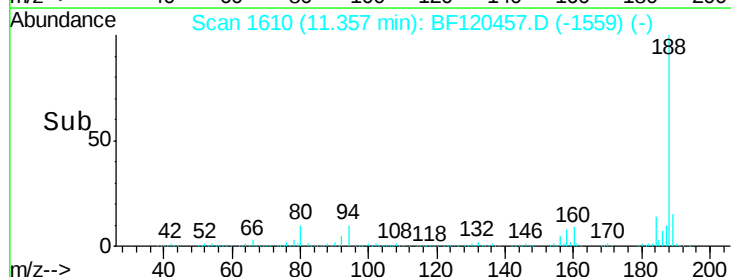


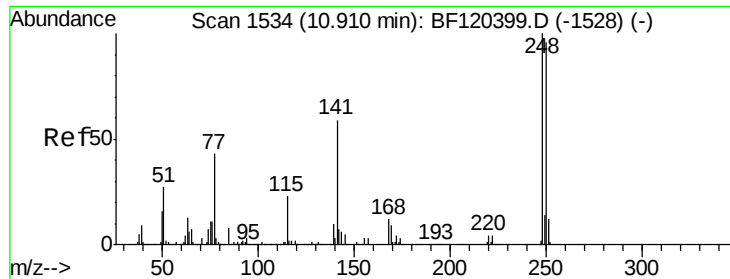
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BF120457.D
 Acq: 29 May 2020 23:29

Tgt Ion:188 Resp: 638269
 Ion Ratio Lower Upper
 188 100
 94 9.6 7.9 11.9
 80 9.9 8.6 13.0



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

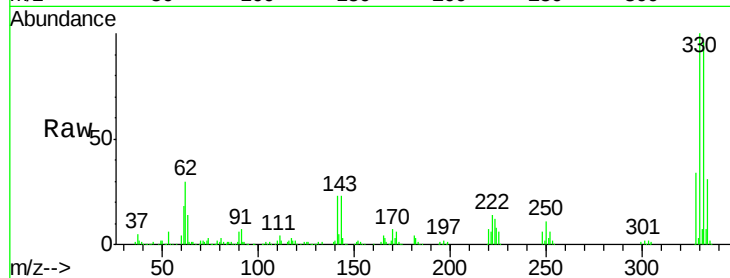




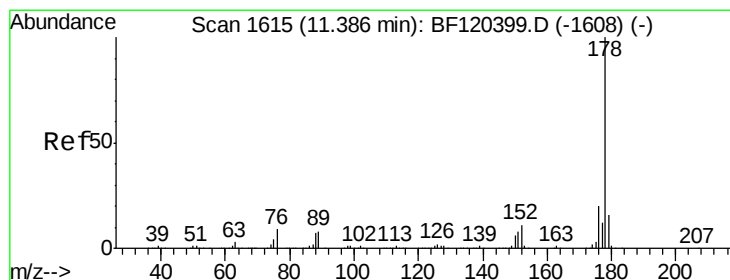
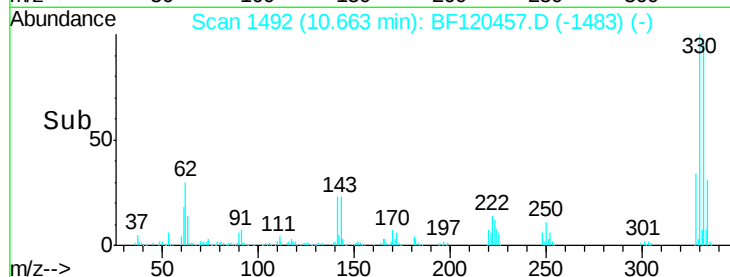
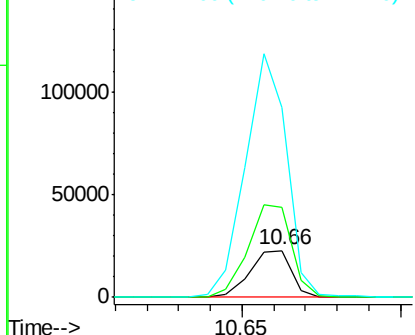
#67
 4-Bromophenyl-phenylether
 Concen: 3.236 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.25 min
 Lab File: BF120457.D
 Acq: 29 May 2020 23:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 20847
 Ion Ratio Lower Upper
 248 100
 250 192.9 76.5 114.7#
 141 408.8 47.2 70.8#

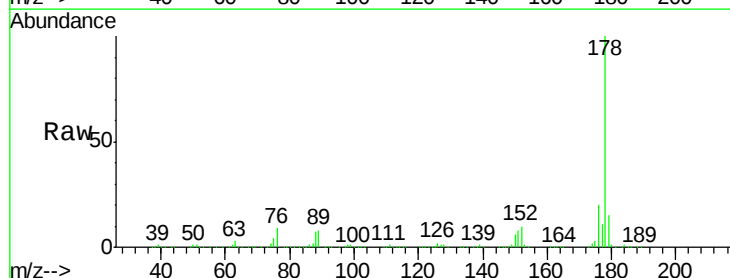


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

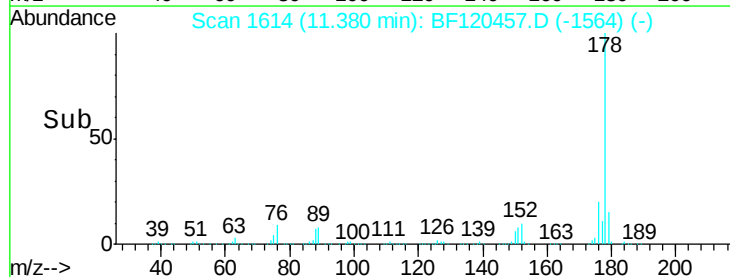
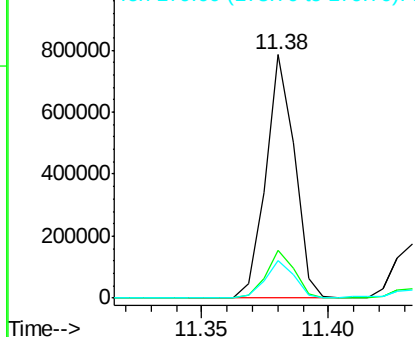


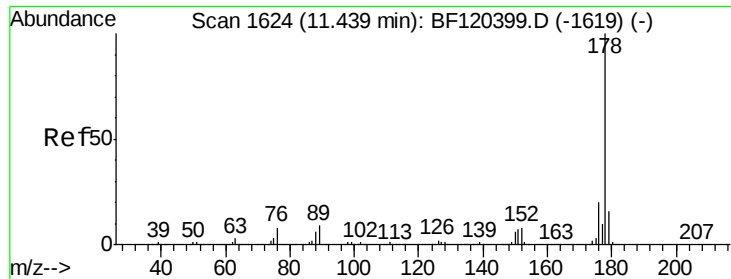
#71
 Phenanthrene
 Concen: 21.851 ng
 RT: 11.38 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF120457.D
 Acq: 29 May 2020 23:29

Tgt Ion:178 Resp: 614531
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.4 24.6
 179 15.4 13.0 19.4



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: 4.930 ng

RT: 11.43 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

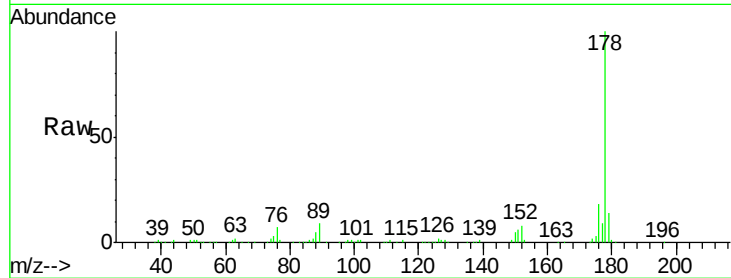
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 139116

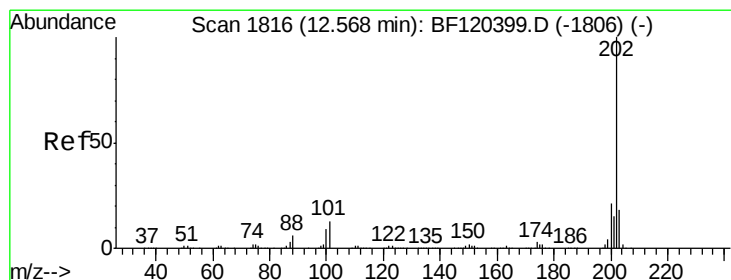
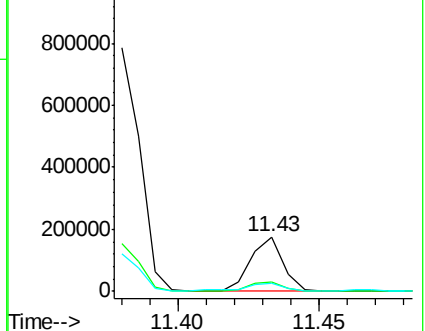
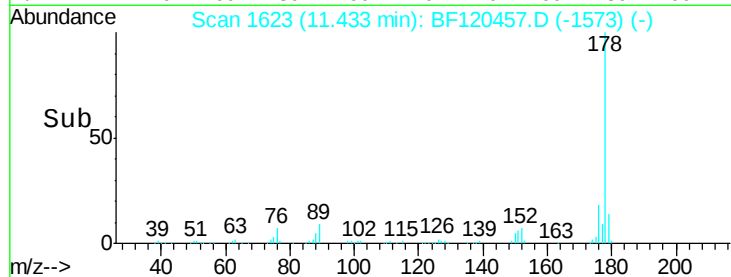
Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.6
179	14.3	12.8	19.2



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



#75

Fluoranthene

Concen: 42.453 ng

RT: 12.57 min Scan# 1816

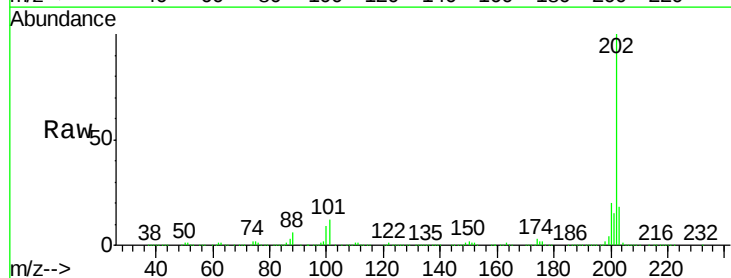
Delta R.T. -0.01 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

Tgt Ion:202 Resp: 1284694

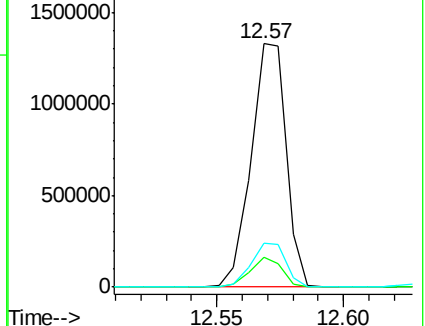
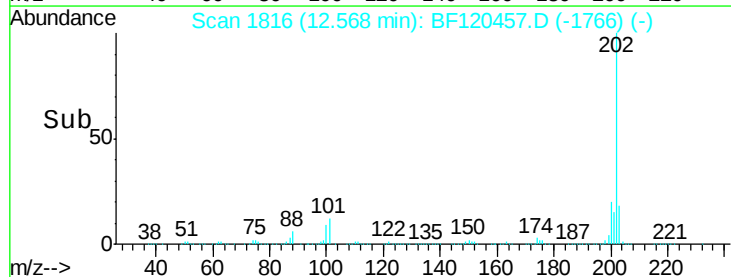
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.6
203	18.2	0.0	38.4

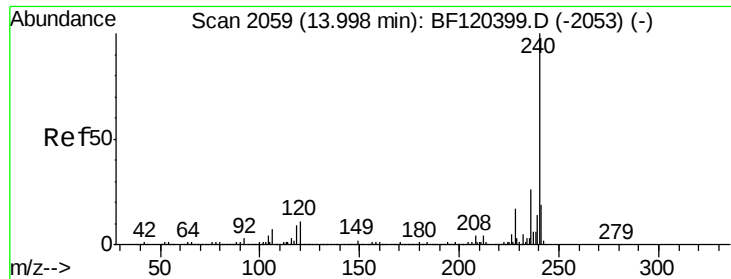


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

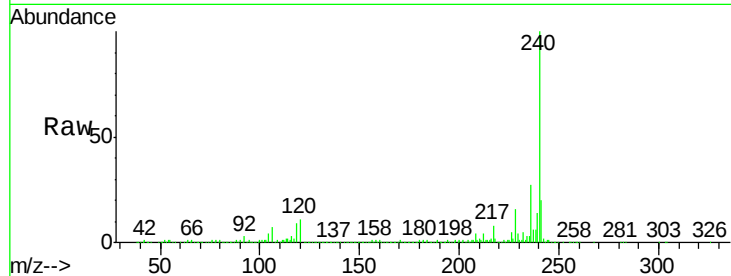




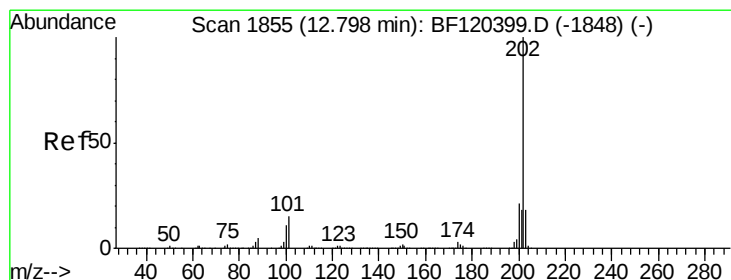
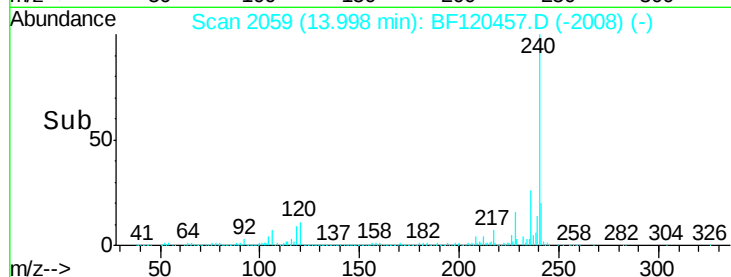
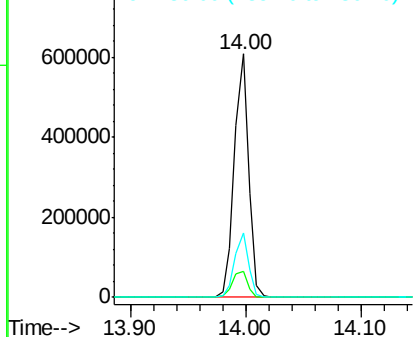
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.00 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 521404
Ion Ratio Lower Upper
240 100
120 10.7 8.8 13.2
236 26.6 21.0 31.4

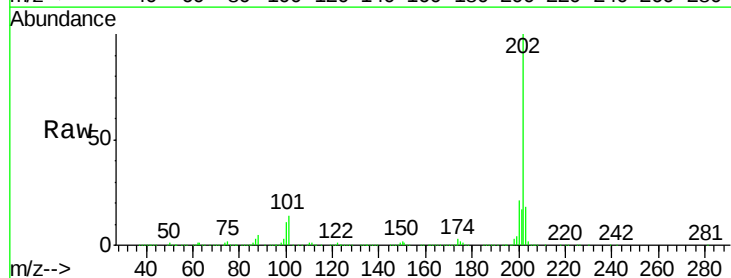


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

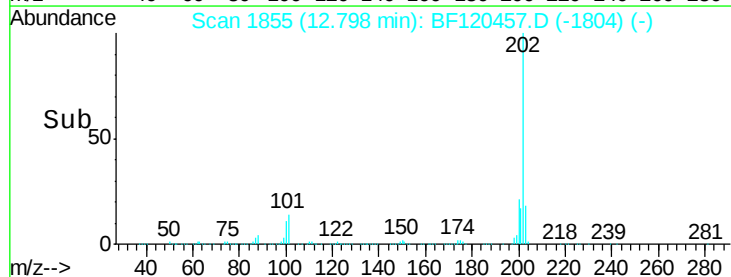
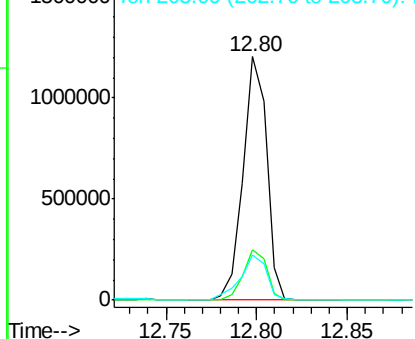


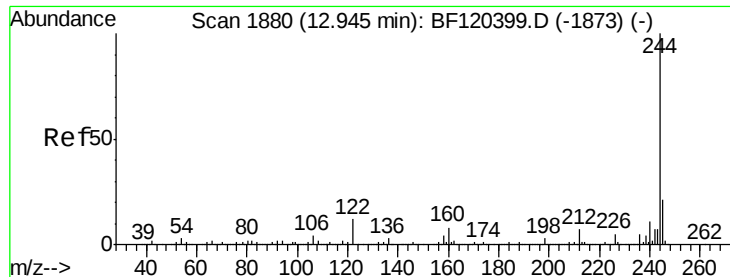
#78
Pyrene
Concen: 30.187 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

Tgt Ion:202 Resp: 1094591
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.4
203 18.3 14.7 22.1



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: 66.410 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.00 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

Instrument :

BNA_F

ClientSampleId :

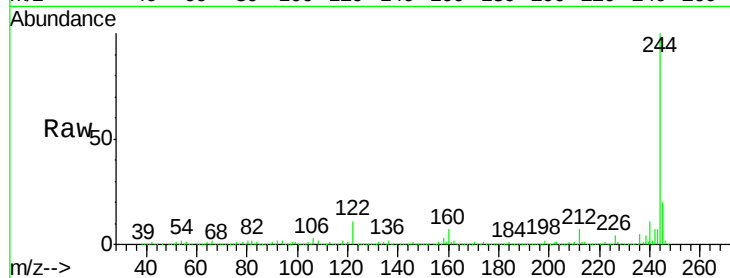
Tot Ion:244 Resp: 1556067

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

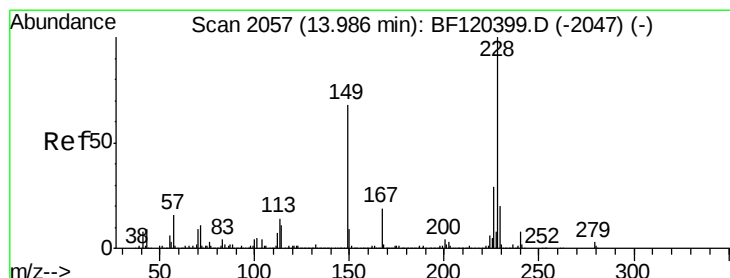
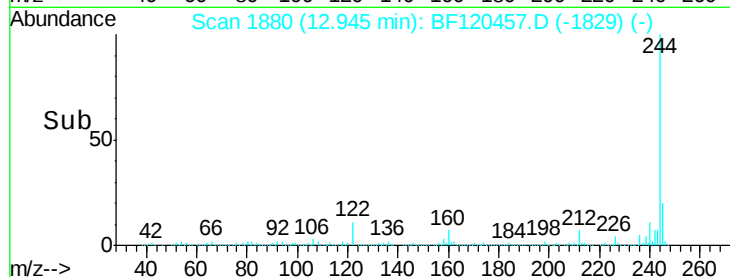
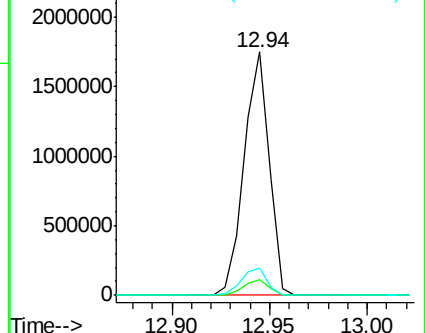
122 11.0 9.2 13.8



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



#81

Benzo(a)anthracene

Concen: 22.983 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

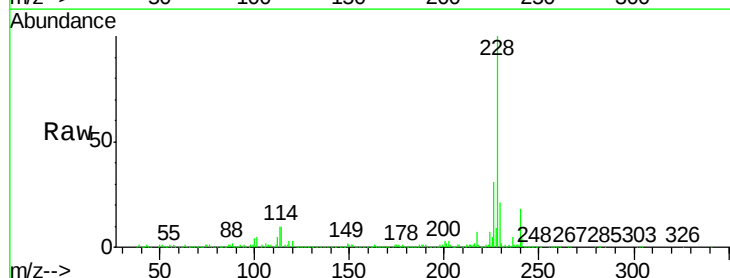
Tgt Ion:228 Resp: 642234

Ion Ratio Lower Upper

228 100

226 30.7 23.0 34.4

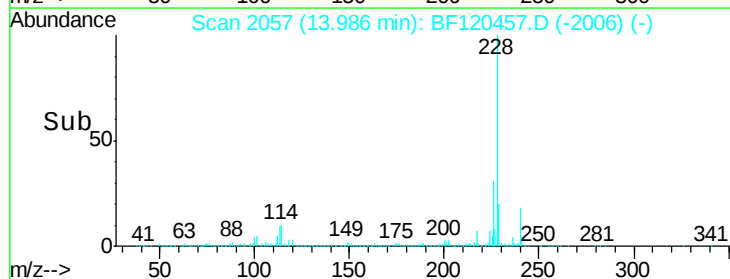
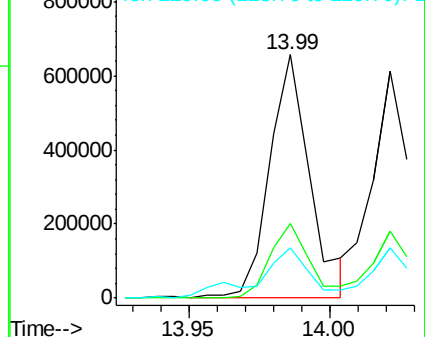
229 20.6 16.2 24.4

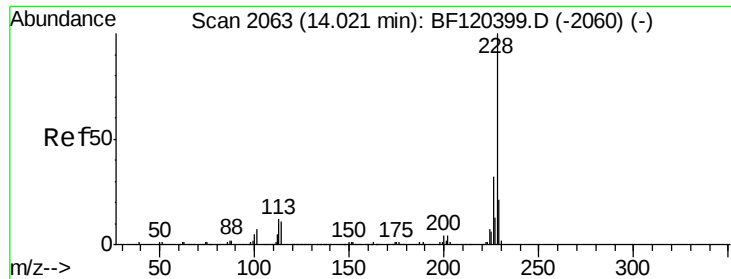


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

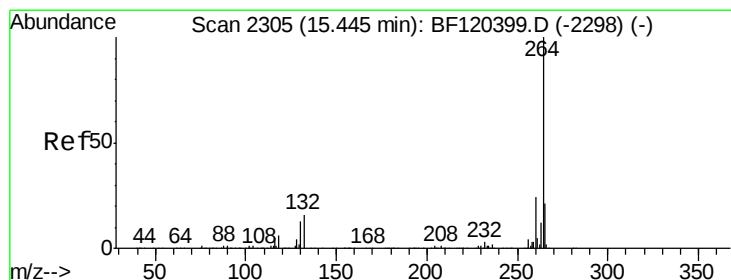
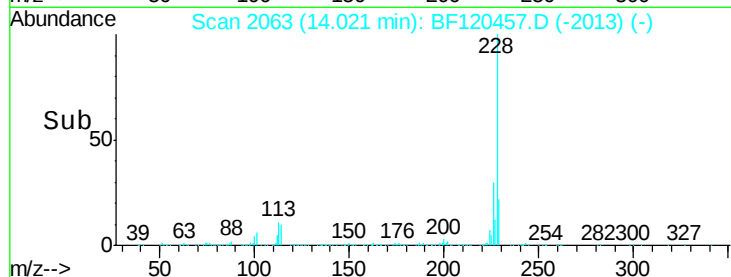
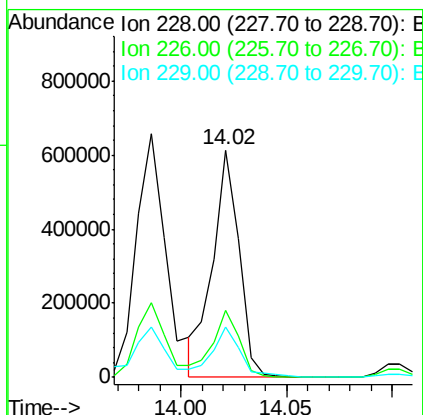
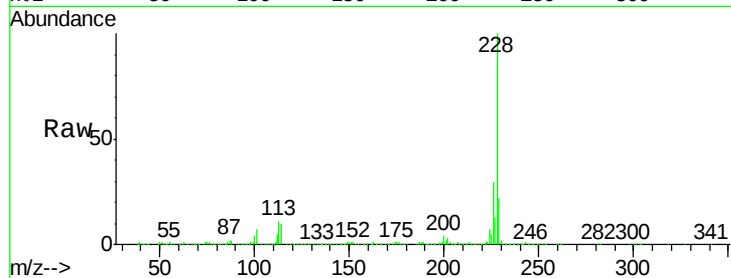




#83
Chrysene
Concen: 18.185 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.01 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

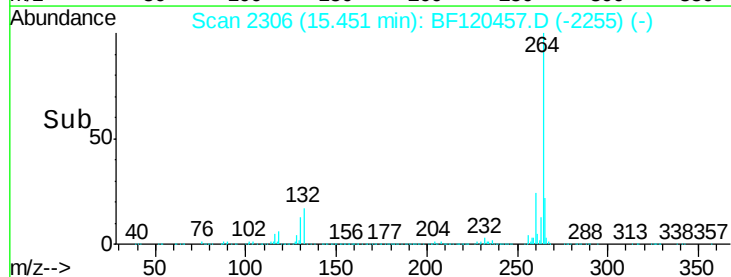
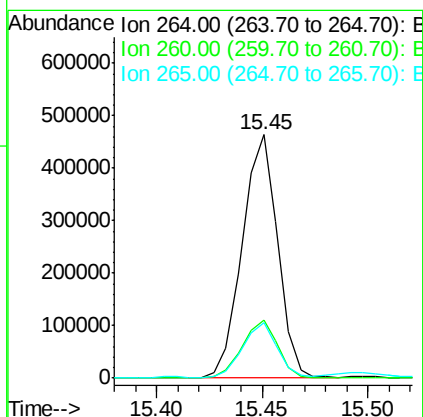
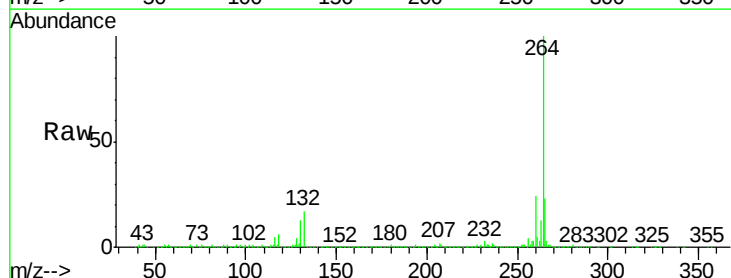
Instrument :
BNA_F
ClientSampled :

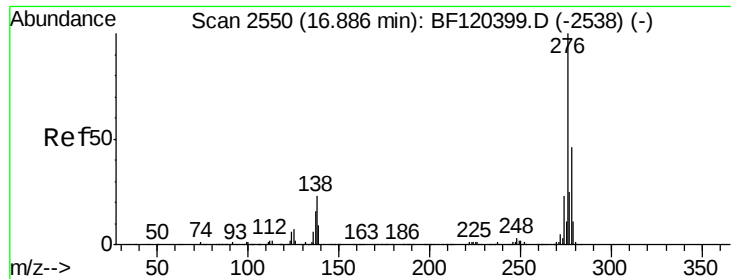
Tot Ion:228 Resp: 532764
Ion Ratio Lower Upper
228 100
226 29.7 25.6 38.4
229 22.4 16.6 25.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

Tgt Ion:264 Resp: 538819
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.6 16.9 25.3

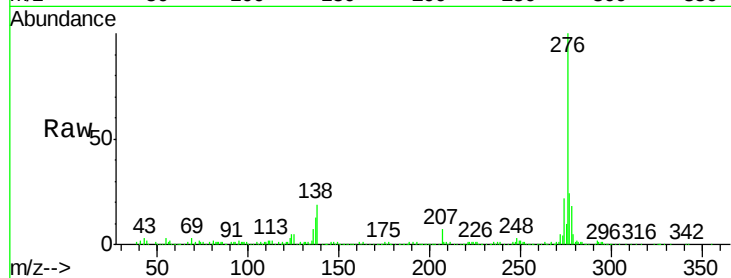




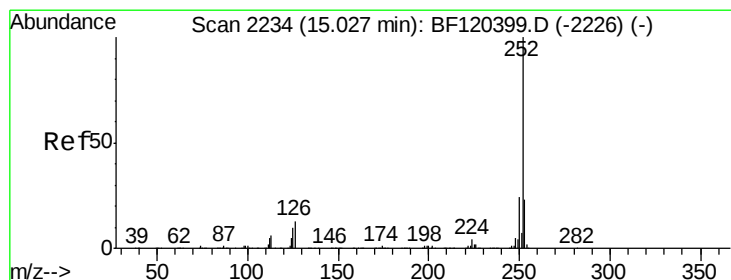
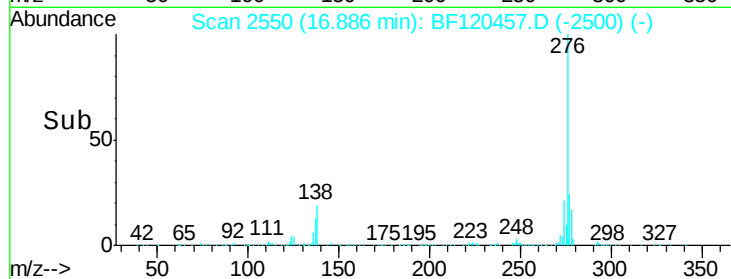
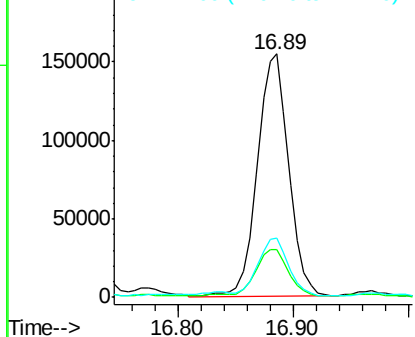
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.890 ng
 RT: 16.89 min Scan# 2550
 Delta R.T. -0.01 min
 Lab File: BF120457.D
 Acq: 29 May 2020 23:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.7	20.4	30.6
277	23.5	20.4	30.6

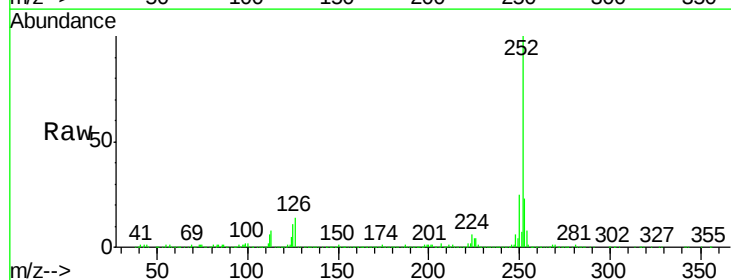


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

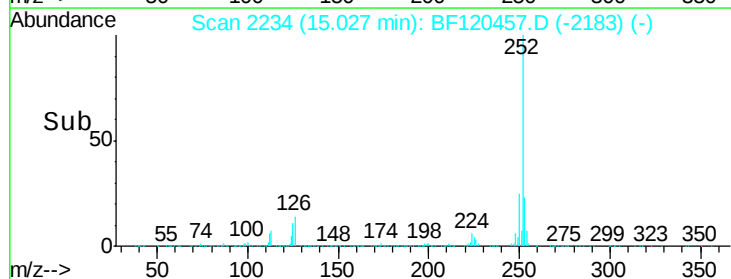
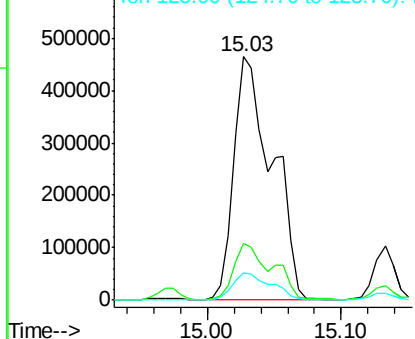


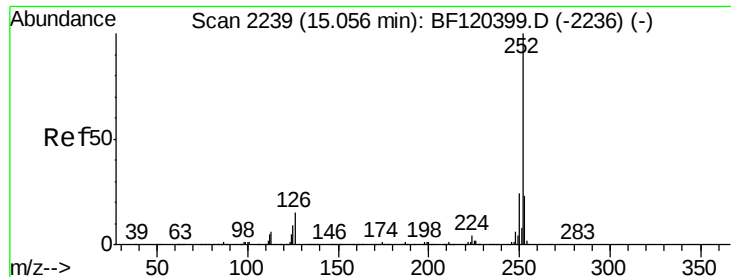
#88
 Benzo(b)fluoranthene
 Concen: 30.959 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. -0.00 min
 Lab File: BF120457.D
 Acq: 29 May 2020 23:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	11.2	7.8	11.8



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

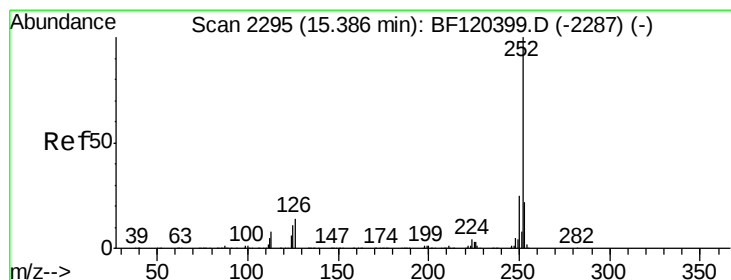
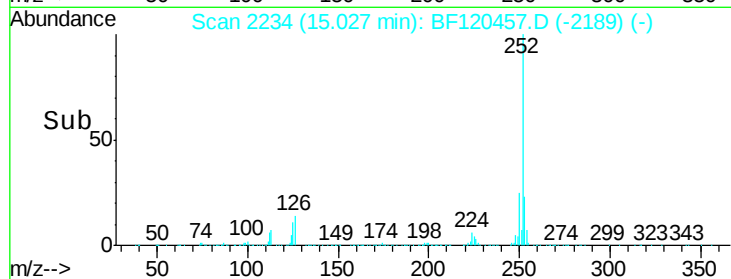
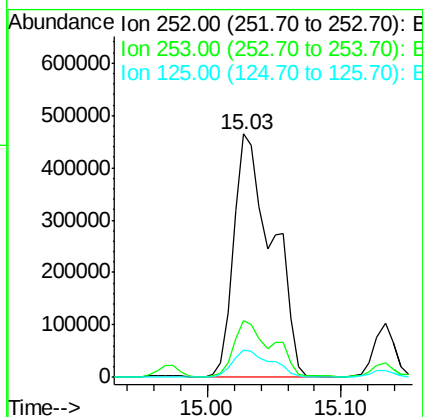
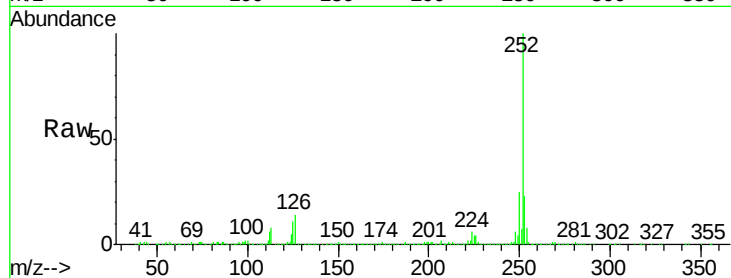




#89
Benzo(k)fluoranthene
Concen: 33.163 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

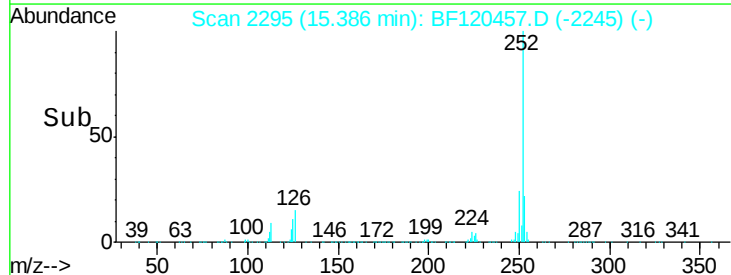
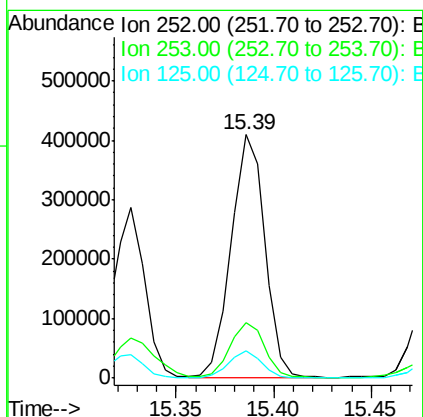
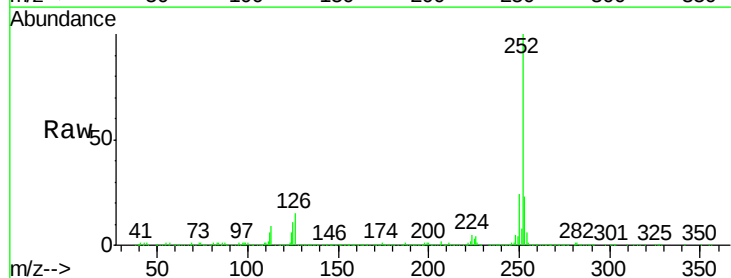
Instrument :
BNA_F
ClientSampleId :

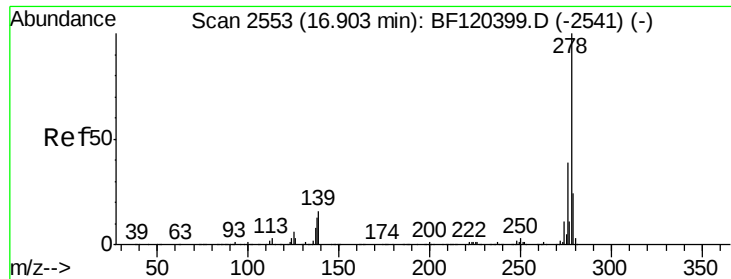
Tot Ion:252 Resp: 926533
Ion Ratio Lower Upper
252 100
253 23.1 18.5 27.7
125 11.2 8.0 12.0



#90
Benzo(a)pyrene
Concen: 18.602 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

Tgt Ion:252 Resp: 486952
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 11.0 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 3.016 ng

RT: 16.89 min Scan# 2551

Delta R.T. -0.02 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

Instrument :

BNA_F

ClientSampleId :

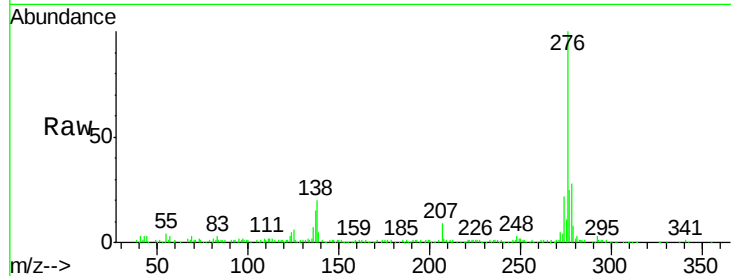
Tot Ion:278 Resp: 72476

Ion Ratio Lower Upper

278 100

139 18.6 12.8 19.2

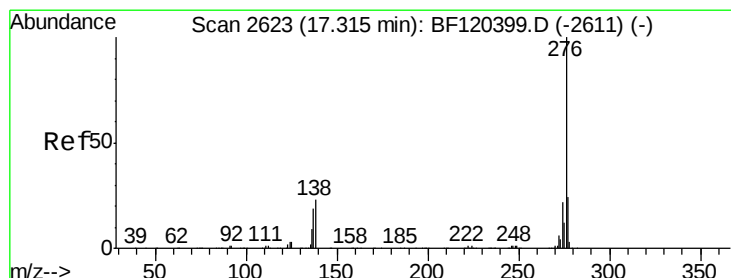
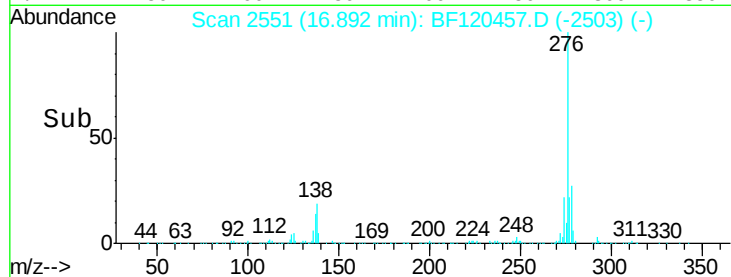
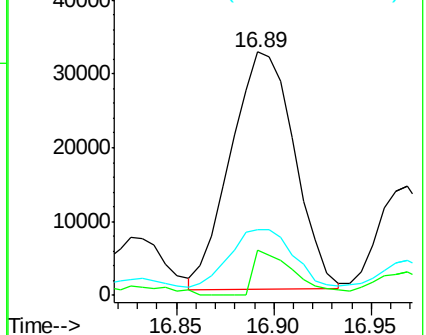
279 27.2 19.0 28.4



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: 10.778 ng

RT: 17.32 min Scan# 2623

Delta R.T. -0.01 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

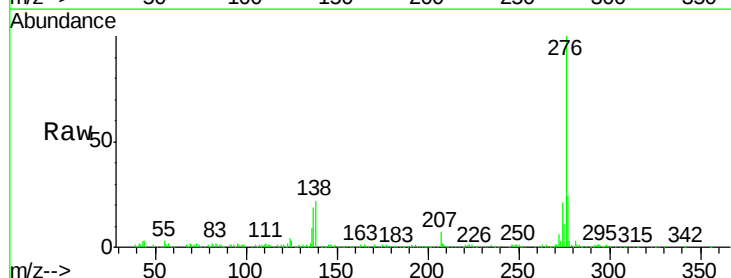
Tgt Ion:276 Resp: 255406

Ion Ratio Lower Upper

276 100

277 23.6 19.5 29.3

138 21.8 18.1 27.1



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

