

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060622\
 Data File : BP010703.D
 Acq On : 06 Jun 2022 15:07
 Operator : CG/JU
 Sample : N3159-01DL 100X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PT-1-060122DL

Quant Time: Jun 06 15:46:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 06 15:39:44 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

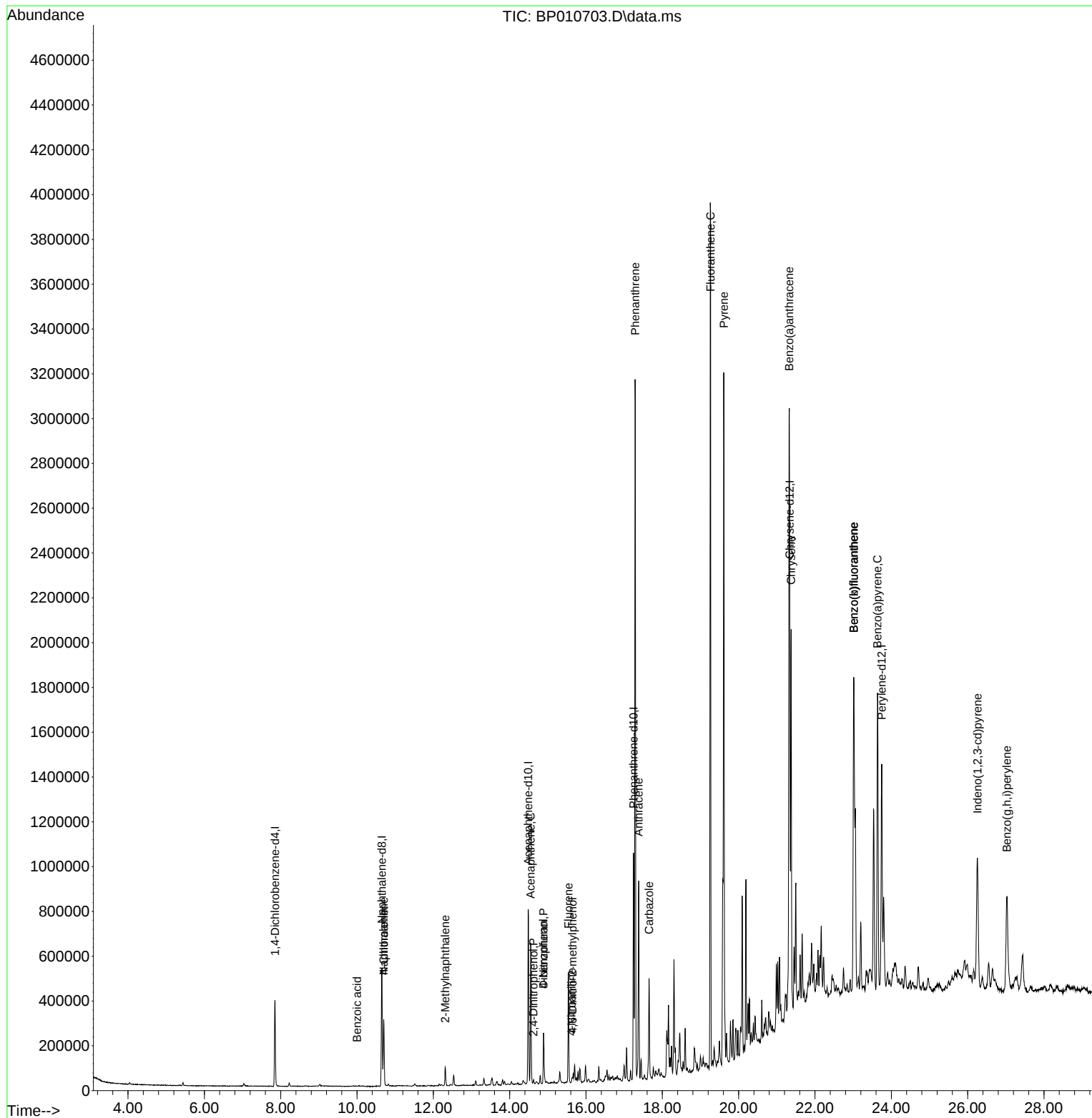
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	100060	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	416136	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	264968	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	587073	20.000	ng	0.00
76) Chrysene-d12	21.339	240	698196	20.000	ng	0.00
86) Perylene-d12	23.751	264	794398	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	5180	0.944	ng	0.00
7) Phenol-d6	7.034	99	6437	0.827	ng	0.00
23) Nitrobenzene-d5	9.022	82	4315	0.490	ng	0.01
42) 2,4,6-Tribromophenol	15.992	330	2793	0.931	ng	0.01
45) 2-Fluorobiphenyl	13.110	172	10349	0.554	ng	0.00
79) Terphenyl-d14	19.804	244	21084	0.567	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.698	128	227684	10.386	ng	99
32) Benzoic acid	9.998	122	187	7.365	ng	# 55
33) 4-Chloroaniline	10.698	127	29928	3.534	ng	# 29
37) 2-Methylnaphthalene	12.310	142	40466	2.645	ng	100
52) Acenaphthene	14.551	154	214833	14.665	ng	97
54) 2,4-Dinitrophenol	14.622	184	11	6.650	ng	# 1
55) Dibenzofuran	14.886	168	140486	6.064	ng	99
56) 4-Nitrophenol	14.886	139	56490	19.740	ng	# 1
58) Fluorene	15.539	166	210328	11.106	ng	99
62) 4-Nitroaniline	15.622	138	148	2.166	ng	94
65) 4,6-Dinitro-2-methylph...	15.651	198	7	4.604	ng	# 1
71) Phenanthrene	17.286	178	1796013	55.786	ng	100
72) Anthracene	17.380	178	542159	17.586	ng	100
73) Carbazole	17.651	167	249062	9.506	ng	99
75) Fluoranthene	19.263	202	2310588	66.077	ng	99
78) Pyrene	19.610	202	1898569	39.019	ng	99
81) Benzo(a)anthracene	21.321	228	1145312	25.002	ng	98
83) Chrysene	21.374	228	944834	21.028	ng	98
87) Indeno(1,2,3-cd)pyrene	26.256	276	612858	10.583	ng	# 96
88) Benzo(b)fluoranthene	23.015	252	1323929	26.470	ng	99
89) Benzo(k)fluoranthene	23.015	252	1323929	26.112	ng	97
90) Benzo(a)pyrene	23.639	252	1029373	24.881	ng	96
92) Benzo(g,h,i)perylene	27.027	276	573938	11.919	ng	95

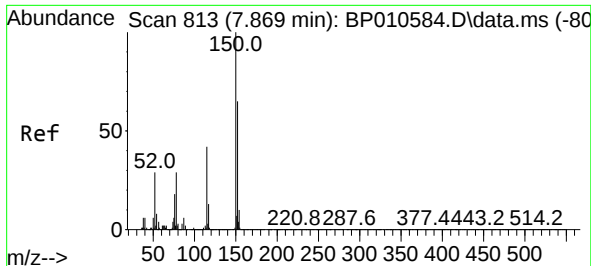
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060622\
Data File : BP010703.D
Acq On : 06 Jun 2022 15:07
Operator : CG/JU
Sample : N3159-01DL 100X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL

Quant Time: Jun 06 15:46:09 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 06 15:39:44 2022
Response via : Initial Calibration

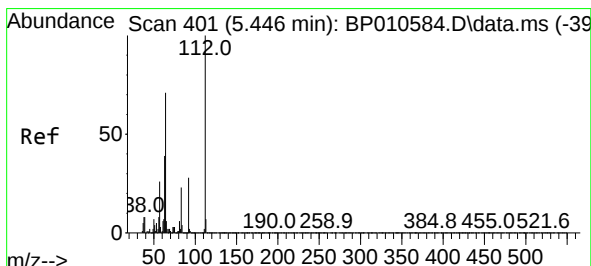
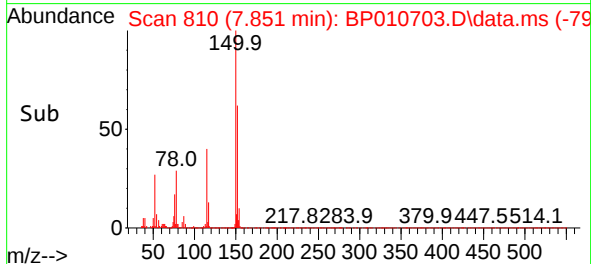
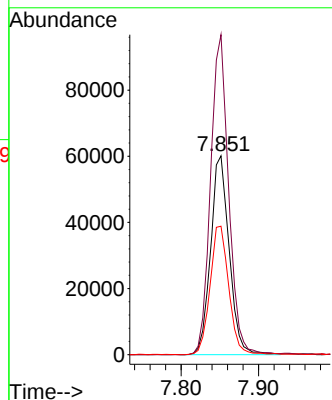
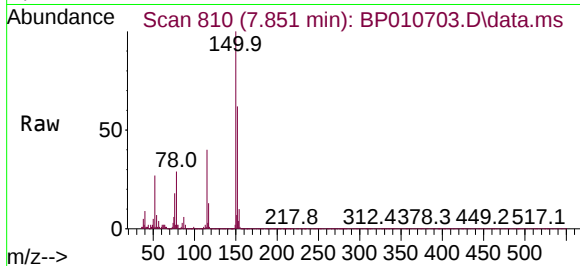




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 813
Delta R.T. -0.001 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

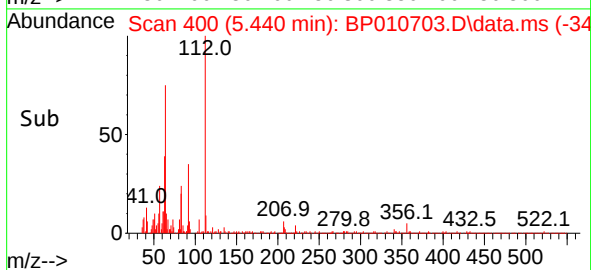
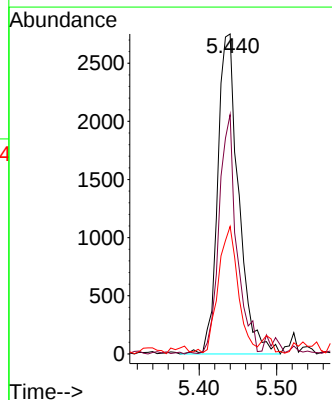
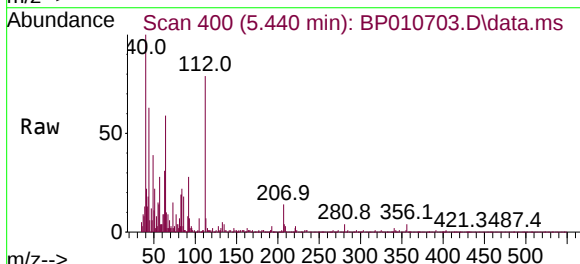
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL

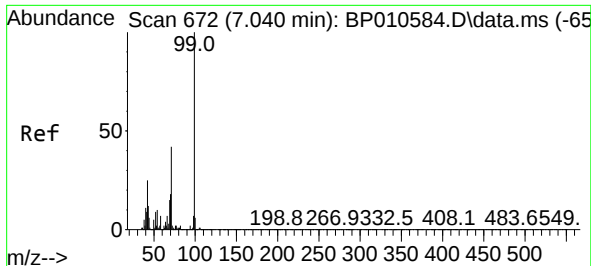
Tgt Ion:152 Resp: 100060
Ion Ratio Lower Upper
152 100
150 160.9 123.4 185.2
115 64.6 51.3 76.9



#5
2-Fluorophenol
Concen: 0.944 ng
RT: 5.440 min Scan# 400
Delta R.T. 0.006 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

Tgt Ion:112 Resp: 5180
Ion Ratio Lower Upper
112 100
64 74.8 56.9 85.3
63 39.8 31.2 46.8





#7

Phenol-d6

Concen: 0.827 ng

RT: 7.034 min Scan# 61

Delta R.T. 0.006 min

Lab File: BP010703.D

Acq: 06 Jun 2022 15:07

Instrument :

BNA_P

ClientSampleId :

PT-1-060122DL

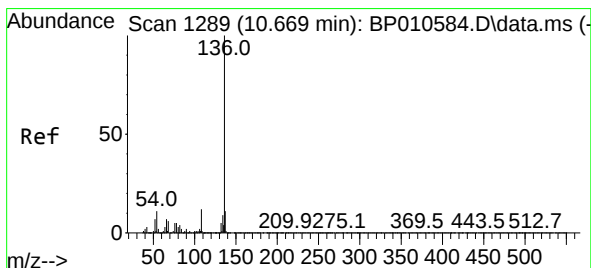
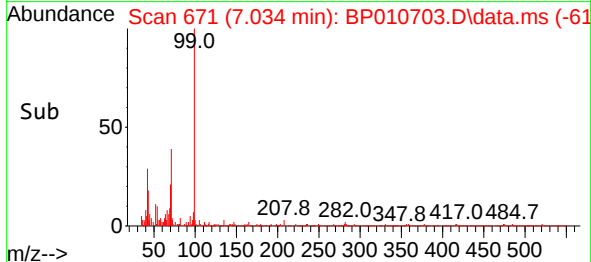
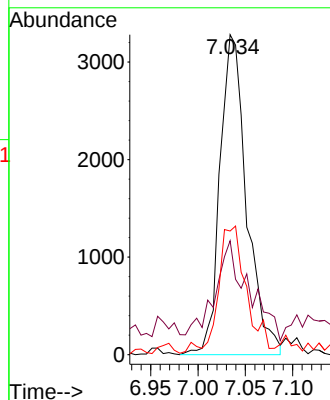
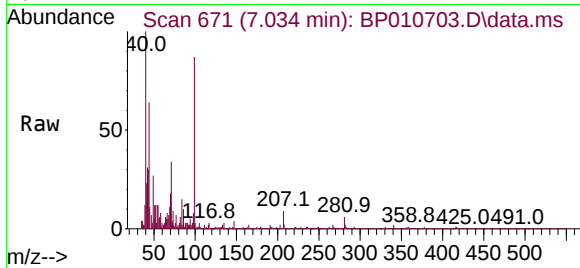
Tgt Ion: 99 Resp: 6437

Ion Ratio Lower Upper

99 100

42 35.6 20.3 30.5#

71 38.7 33.9 50.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.651 min Scan# 1286

Delta R.T. 0.006 min

Lab File: BP010703.D

Acq: 06 Jun 2022 15:07

Tgt Ion:136 Resp: 416136

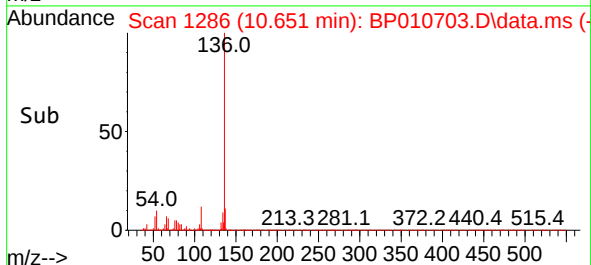
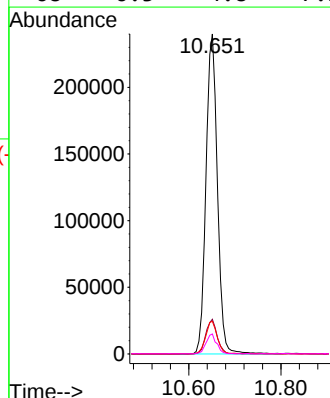
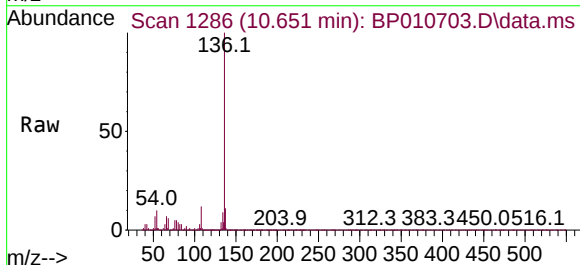
Ion Ratio Lower Upper

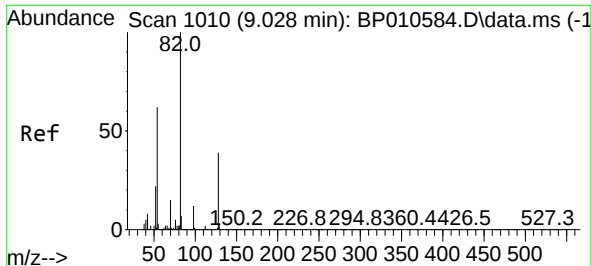
136 100

137 10.8 9.0 13.4

54 10.2 8.7 13.1

68 6.3 4.8 7.2





#23

Nitrobenzene-d5

Concen: 0.490 ng

RT: 9.022 min Scan# 1009

Delta R.T. 0.011 min

Lab File: BP010703.D

Acq: 06 Jun 2022 15:07

Instrument :

BNA_P

ClientSampleId :

PT-1-060122DL

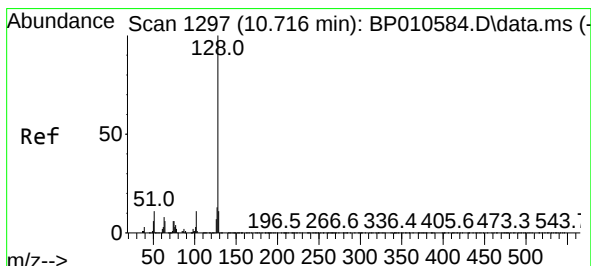
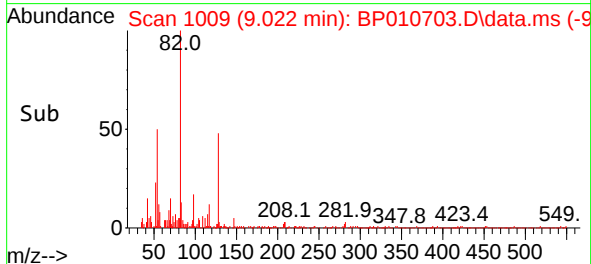
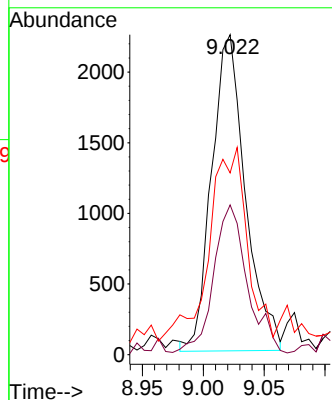
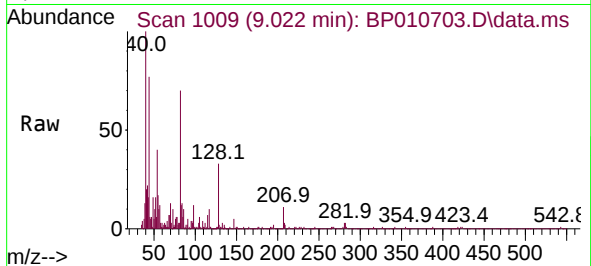
Tgt Ion: 82 Resp: 4315

Ion Ratio Lower Upper

82 100

128 46.8 31.3 46.9

54 56.8 49.8 74.8



#31

Naphthalene

Concen: 10.386 ng

RT: 10.698 min Scan# 1294

Delta R.T. -0.000 min

Lab File: BP010703.D

Acq: 06 Jun 2022 15:07

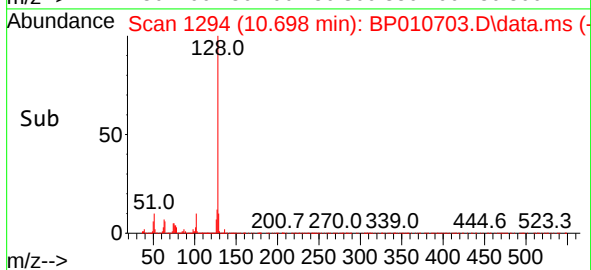
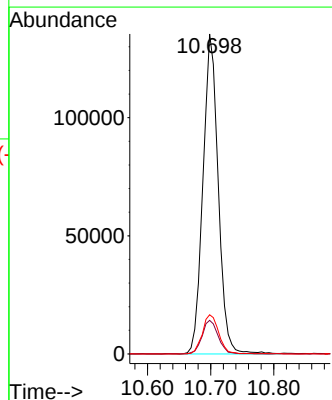
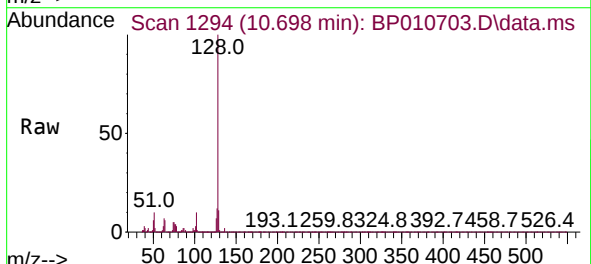
Tgt Ion: 128 Resp: 227684

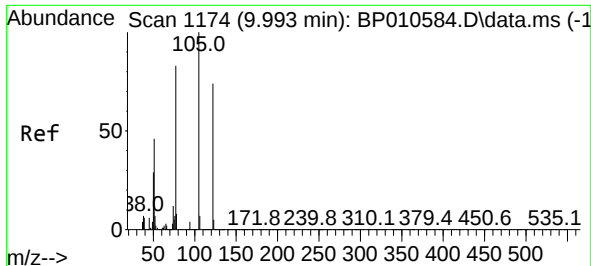
Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

127 12.3 10.3 15.5

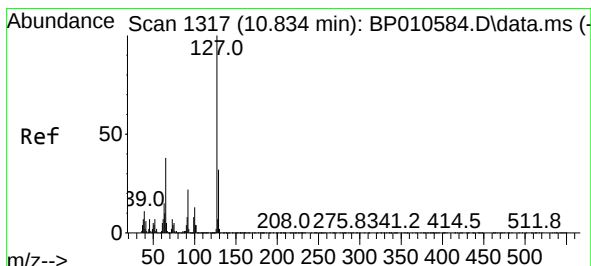
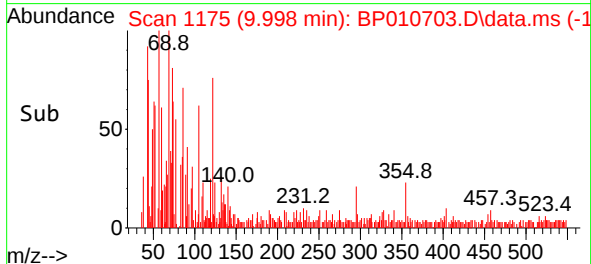
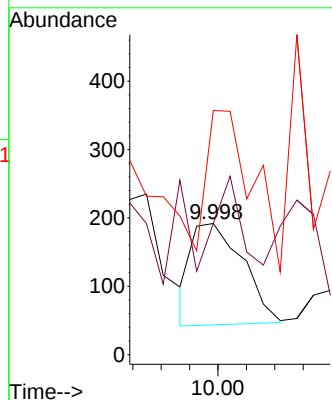
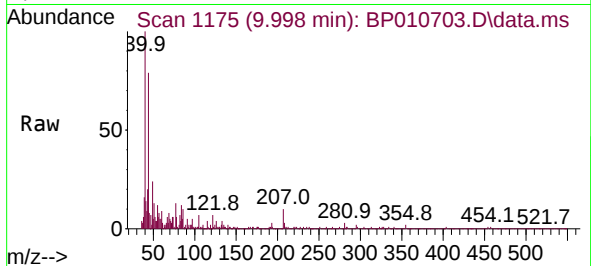




#32
Benzoic acid
Concen: 7.365 ng
RT: 9.998 min Scan# 1174
Delta R.T. 0.006 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

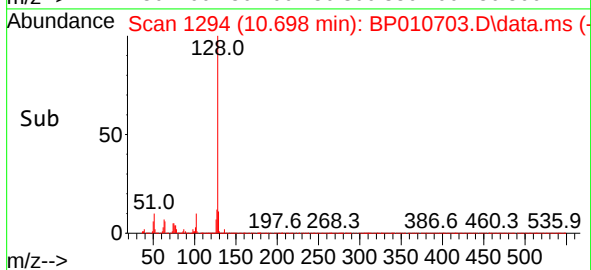
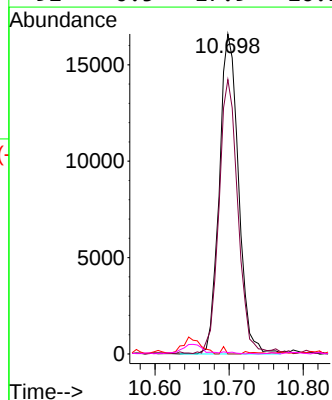
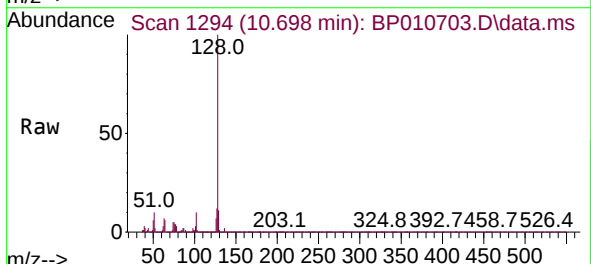
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL

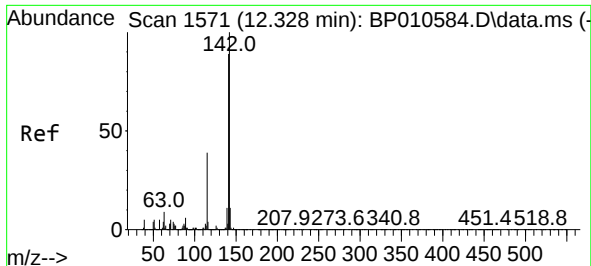
Tgt Ion:122 Resp: 187
Ion Ratio Lower Upper
122 100
105 92.8 112.6 152.6#
77 172.5 90.2 130.2#



#33
4-Chloroaniline
Concen: 3.534 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.118 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

Tgt Ion:127 Resp: 29928
Ion Ratio Lower Upper
127 100
129 85.7 25.4 38.2#
65 0.0 30.4 45.6#
92 0.5 17.9 26.9#

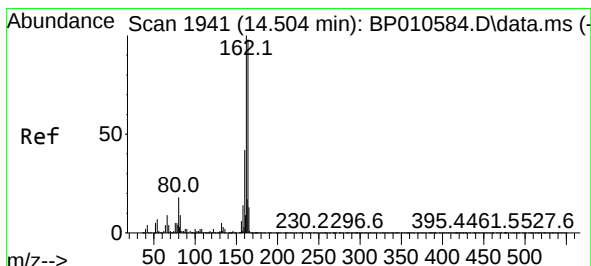
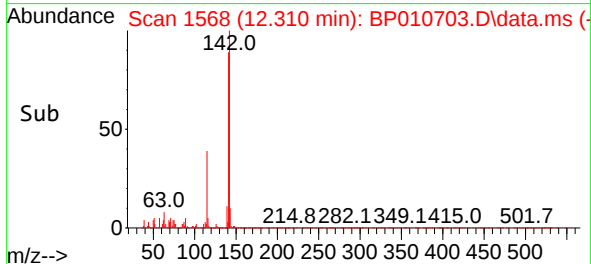
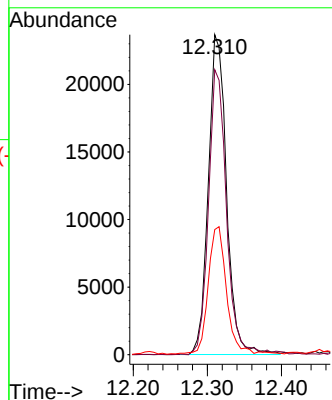
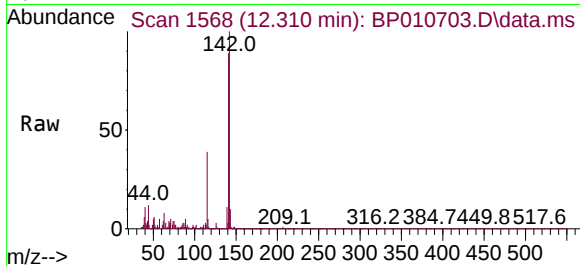




#37
2-Methylnaphthalene
Concen: 2.645 ng
RT: 12.310 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

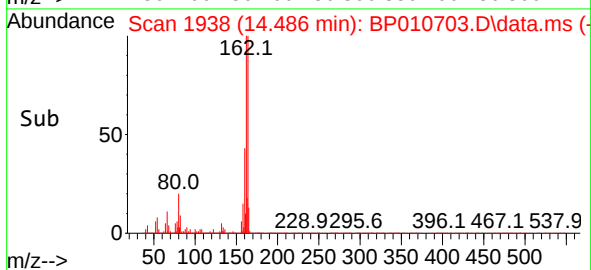
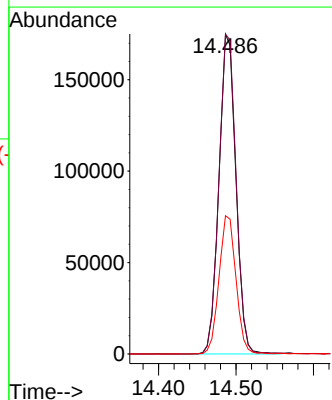
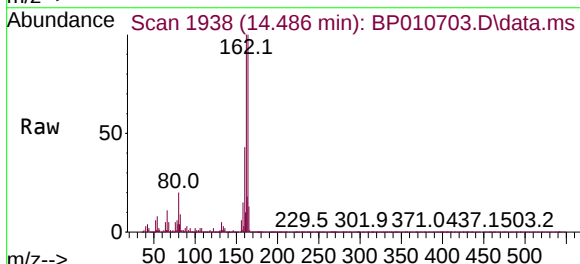
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL

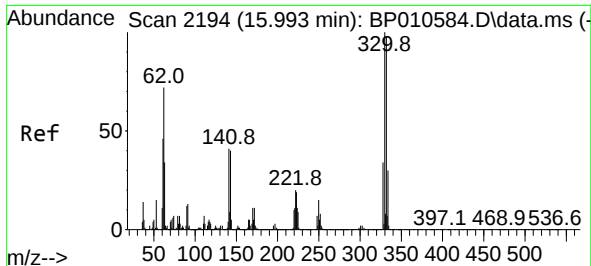
Tgt Ion:142 Resp: 40466
Ion Ratio Lower Upper
142 100
141 89.1 71.3 106.9
115 39.1 31.4 47.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1938
Delta R.T. -0.000 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

Tgt Ion:164 Resp: 264968
Ion Ratio Lower Upper
164 100
162 100.1 81.9 122.9
160 43.2 34.6 51.8

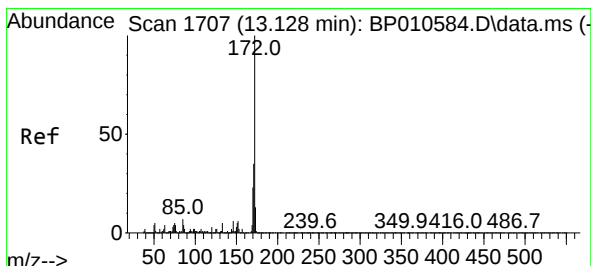
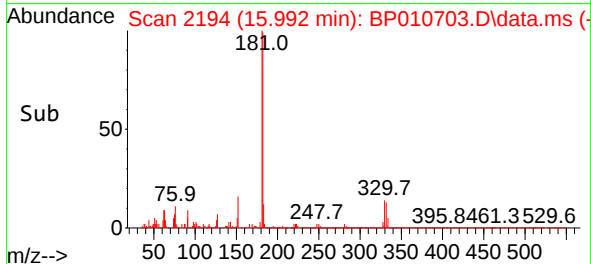
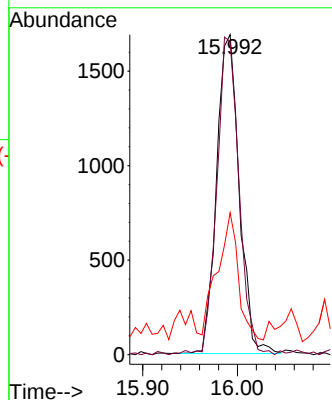
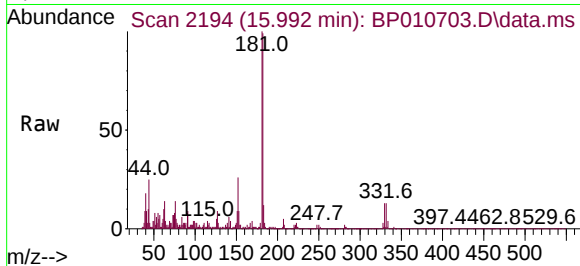




#42
2,4,6-Tribromophenol
Concen: 0.931 ng
RT: 15.992 min Scan# 2194
Delta R.T. 0.011 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

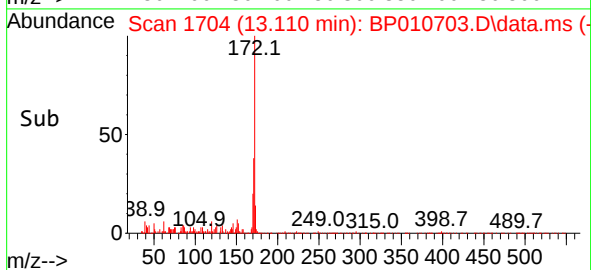
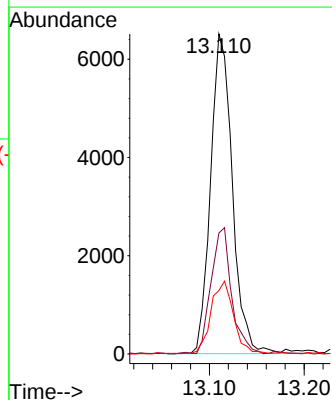
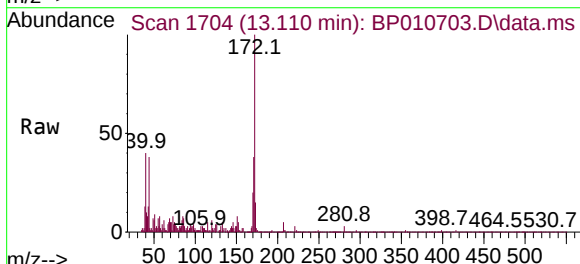
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL

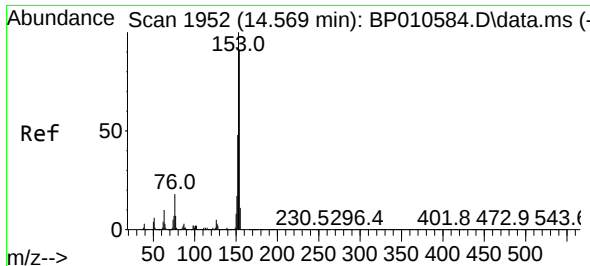
Tgt Ion: 330 Resp: 2793
Ion Ratio Lower Upper
330 100
332 97.5 78.1 117.1
141 39.0 31.4 47.2



#45
2-Fluorobiphenyl
Concen: 0.554 ng
RT: 13.110 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

Tgt Ion: 172 Resp: 10349
Ion Ratio Lower Upper
172 100
171 37.8 27.9 41.9
170 19.8 18.2 27.2

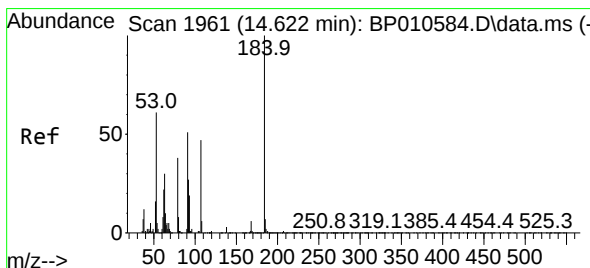
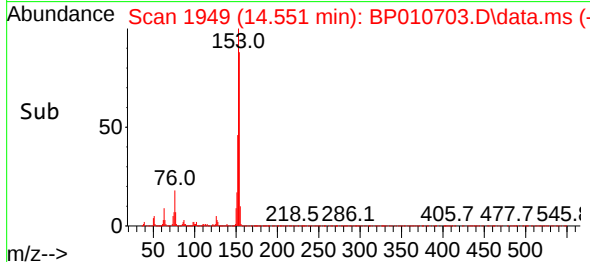
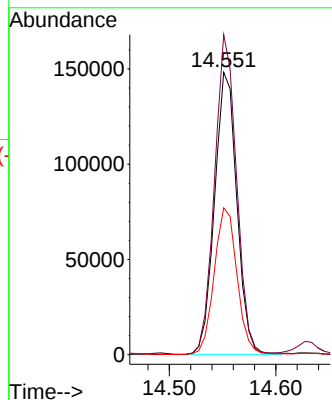
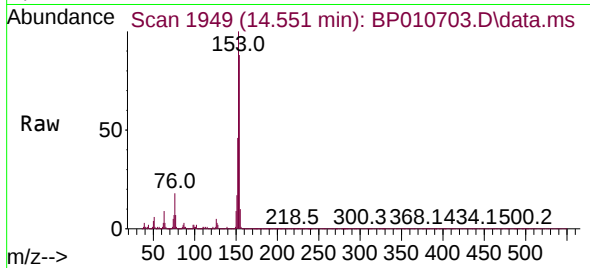




#52
Acenaphthene
Concen: 14.665 ng
RT: 14.551 min Scan# 1949
Delta R.T. -0.000 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

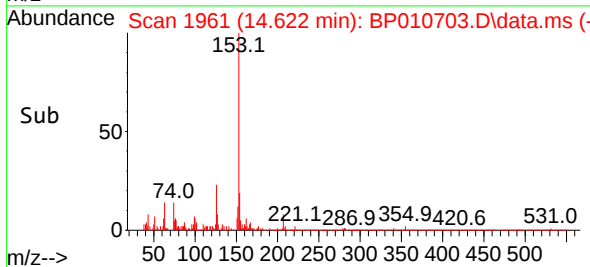
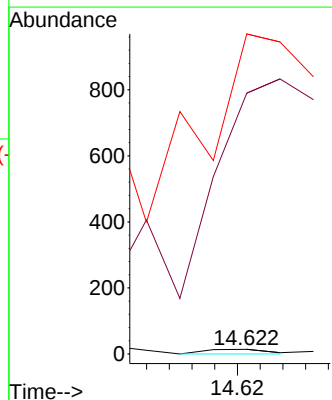
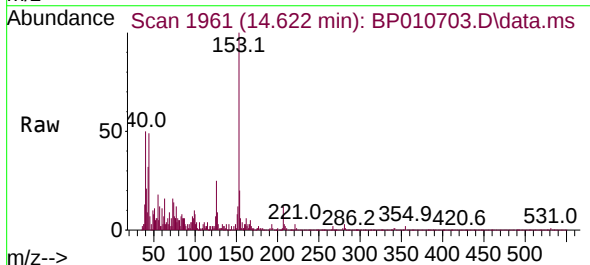
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL

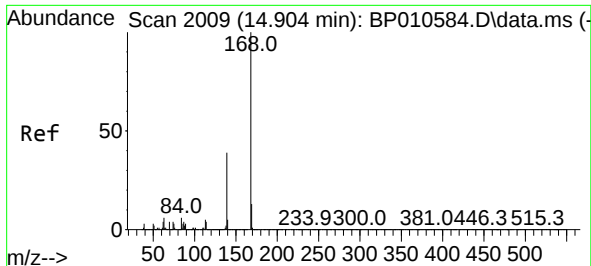
Tgt Ion:154 Resp: 214833
Ion Ratio Lower Upper
154 100
153 113.3 87.4 131.2
152 52.0 41.7 62.5



#54
2,4-Dinitrophenol
Concen: 6.650 ng
RT: 14.622 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

Tgt Ion:184 Resp: 11
Ion Ratio Lower Upper
184 100
63 5642.9 65.4 98.2#
154 6921.4 55.4 83.2#

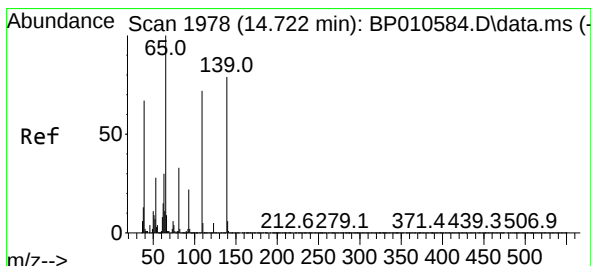
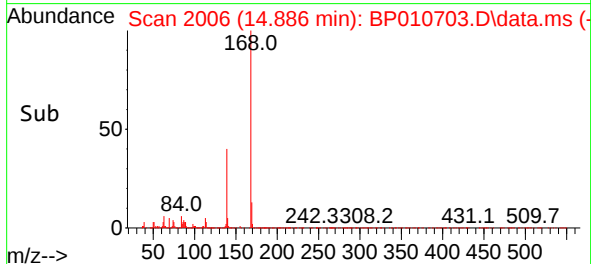
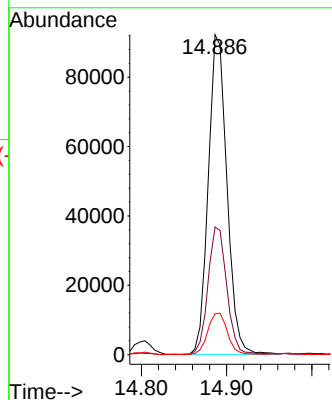
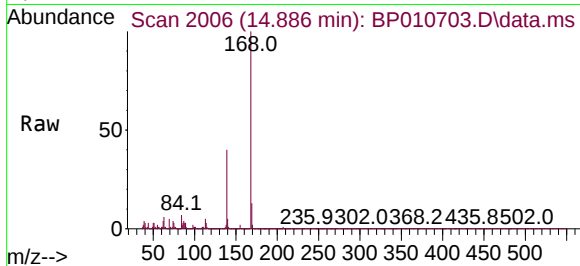




#55
Dibenzofuran
Concen: 6.064 ng
RT: 14.886 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

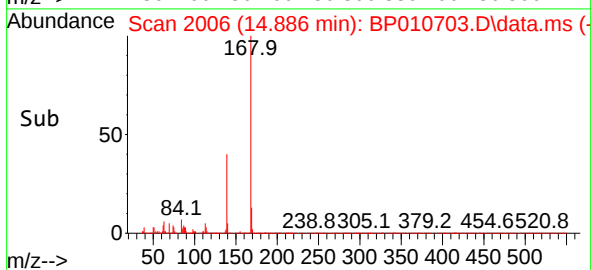
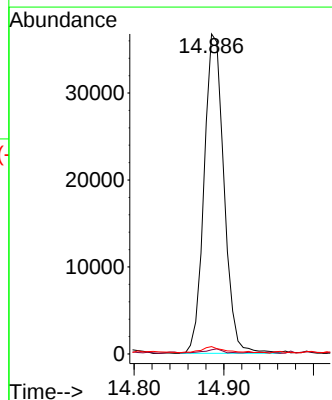
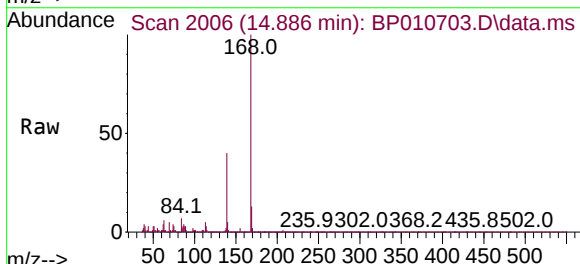
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL

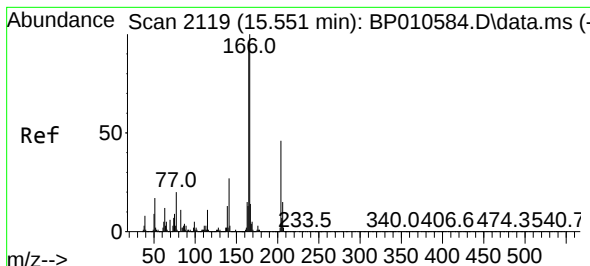
Tgt Ion:168 Resp: 140486
Ion Ratio Lower Upper
168 100
139 39.9 31.5 47.3
169 12.8 10.3 15.5



#56
4-Nitrophenol
Concen: 19.740 ng
RT: 14.886 min Scan# 2006
Delta R.T. 0.164 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

Tgt Ion:139 Resp: 56490
Ion Ratio Lower Upper
139 100
109 1.3 70.6 110.6#
65 2.3 106.6 146.6#





#58

Fluorene

Concen: 11.106 ng

RT: 15.539 min Scan# 2117

Delta R.T. -0.000 min

Lab File: BP010703.D

Acq: 06 Jun 2022 15:07

Instrument :

BNA_P

ClientSampleId :

PT-1-060122DL

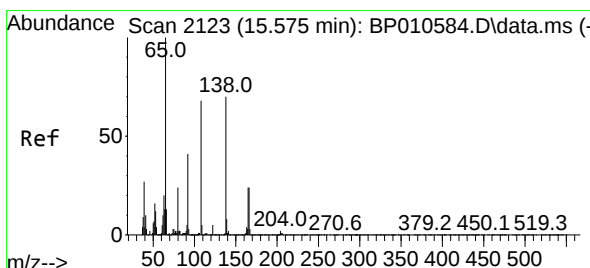
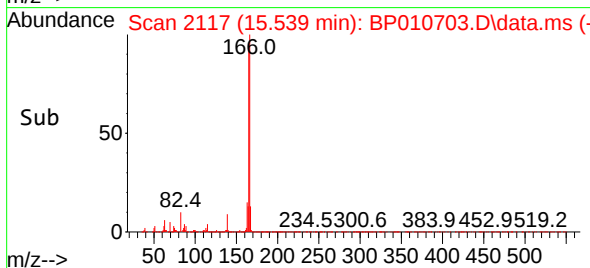
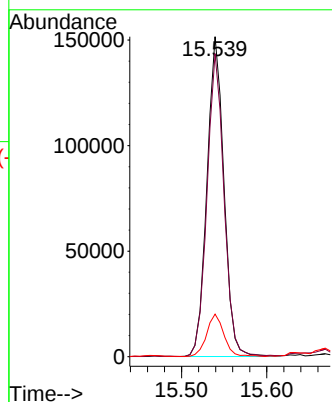
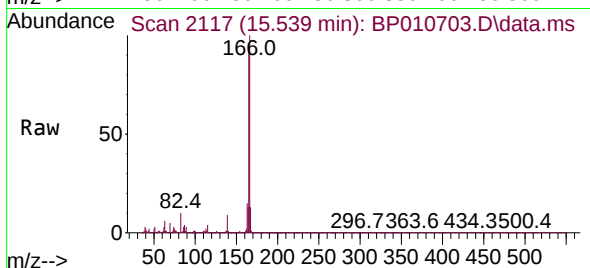
Tgt Ion:166 Resp: 210328

Ion Ratio Lower Upper

166 100

165 94.7 77.0 115.4

167 13.3 10.9 16.3



#62

4-Nitroaniline

Concen: 2.166 ng

RT: 15.622 min Scan# 2131

Delta R.T. 0.058 min

Lab File: BP010703.D

Acq: 06 Jun 2022 15:07

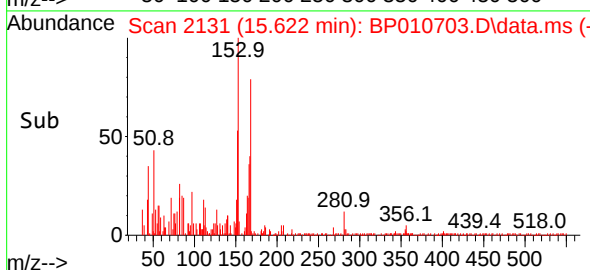
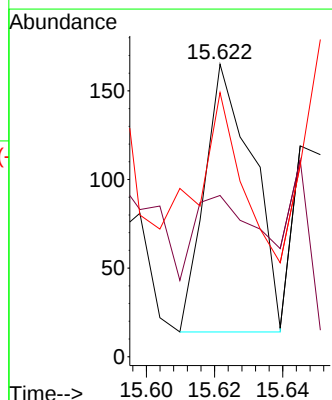
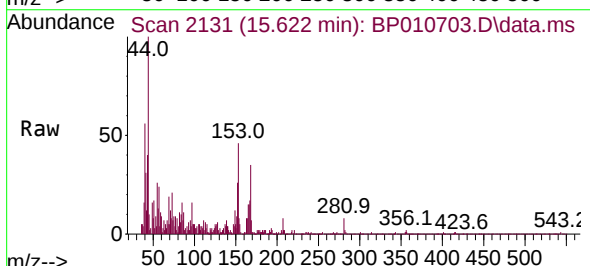
Tgt Ion:138 Resp: 148

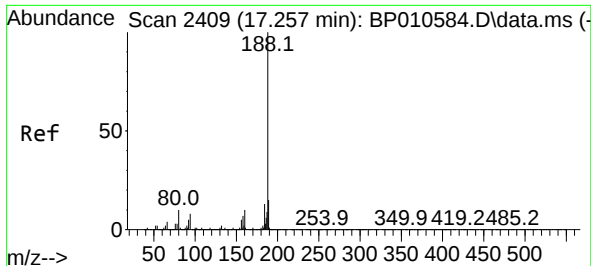
Ion Ratio Lower Upper

138 100

92 55.2 38.0 78.0

108 90.3 77.6 117.6

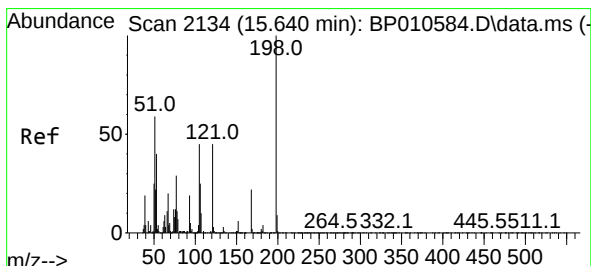
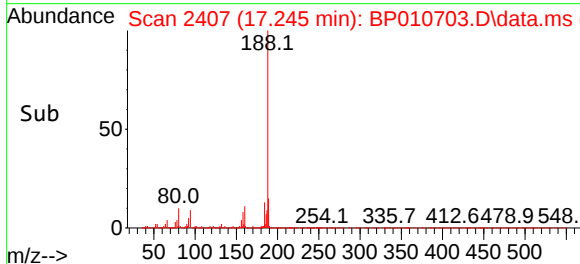
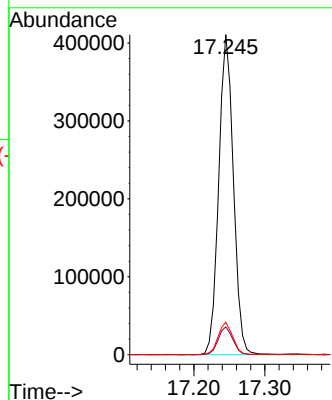
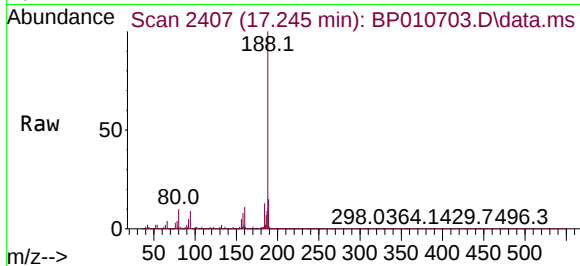




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2409
Delta R.T. 0.006 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

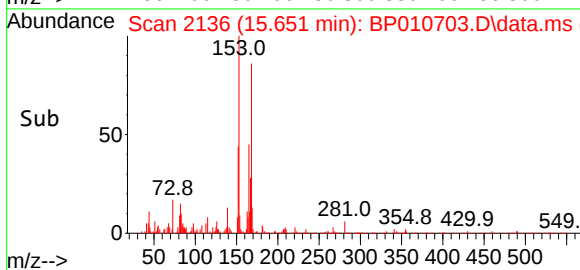
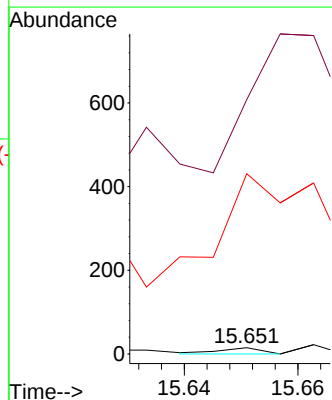
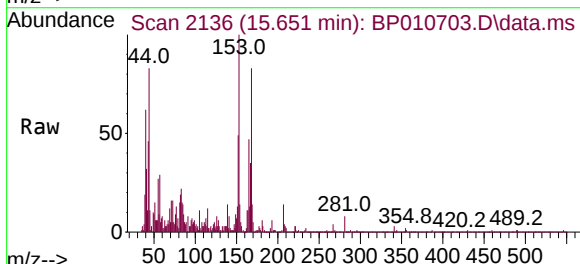
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL

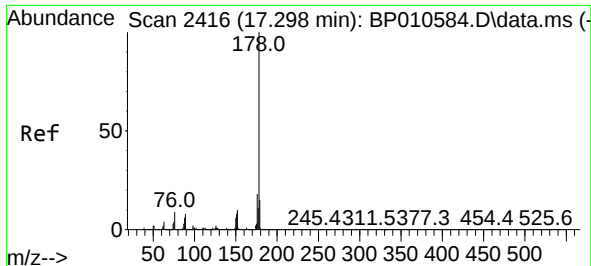
Tgt Ion:188 Resp: 587073
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 10.2 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 4.604 ng
RT: 15.651 min Scan# 2136
Delta R.T. 0.017 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

Tgt Ion:198 Resp: 7
Ion Ratio Lower Upper
198 100
51 4053.3 41.2 81.2#
105 2873.3 25.3 65.3#

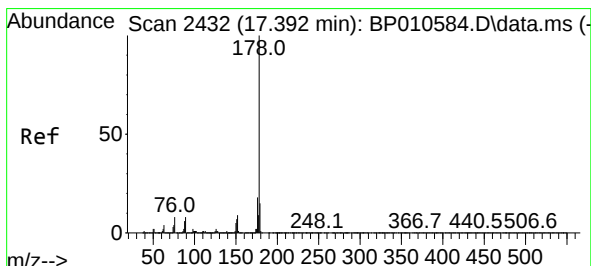
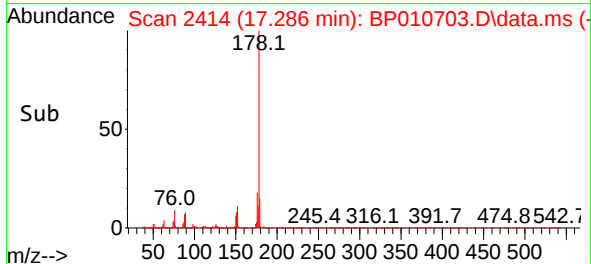
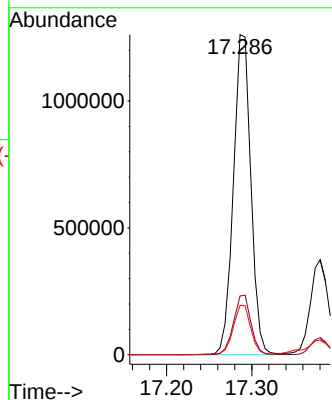
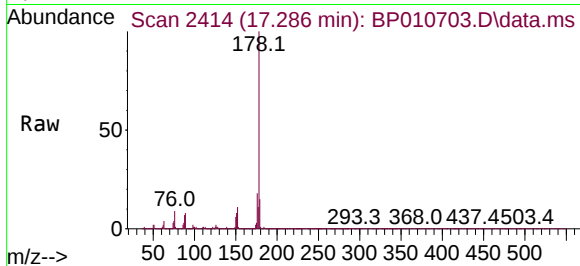




#71
Phenanthrene
Concen: 55.786 ng
RT: 17.286 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

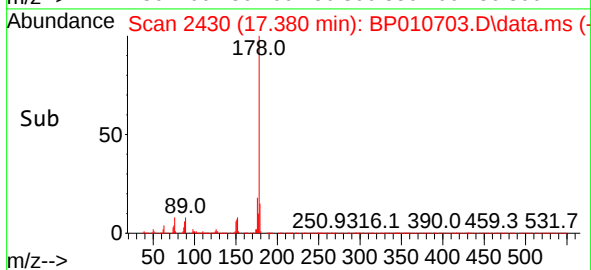
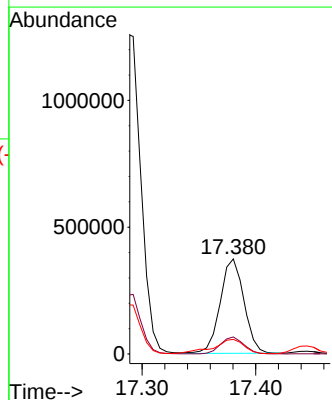
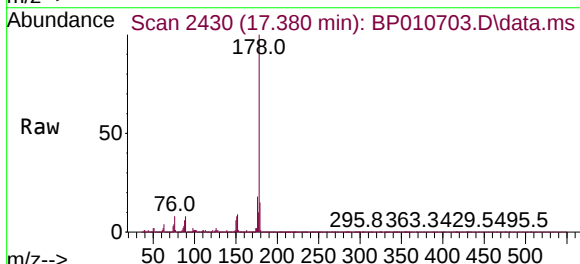
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL

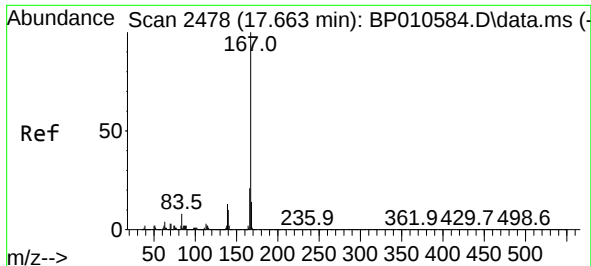
Tgt Ion:178 Resp: 1796013
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.4 12.2 18.2



#72
Anthracene
Concen: 17.586 ng
RT: 17.380 min Scan# 2430
Delta R.T. 0.006 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

Tgt Ion:178 Resp: 542159
Ion Ratio Lower Upper
178 100
176 17.9 14.5 21.7
179 15.4 12.2 18.4

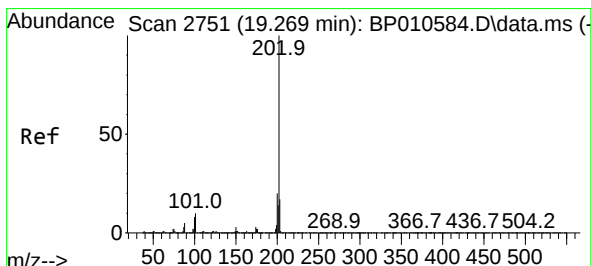
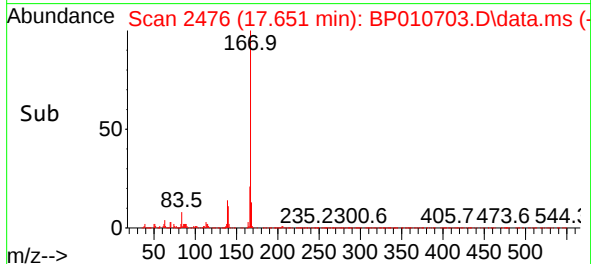
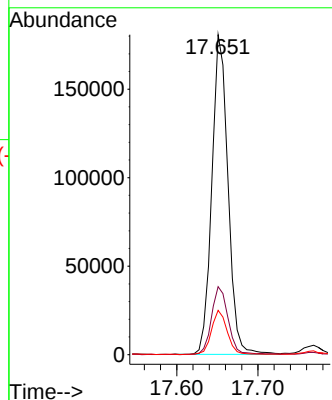
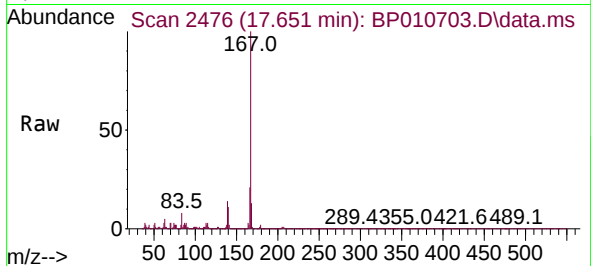




#73
 Carbazole
 Concen: 9.506 ng
 RT: 17.651 min Scan# 2476
 Delta R.T. -0.000 min
 Lab File: BP010703.D
 Acq: 06 Jun 2022 15:07

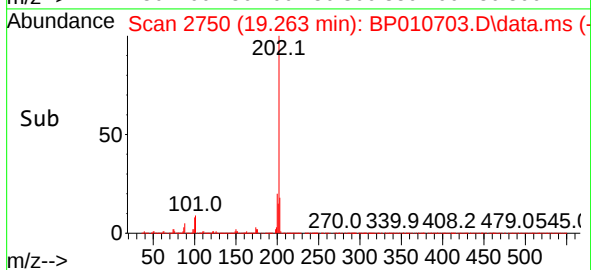
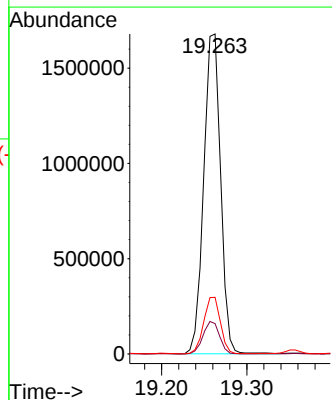
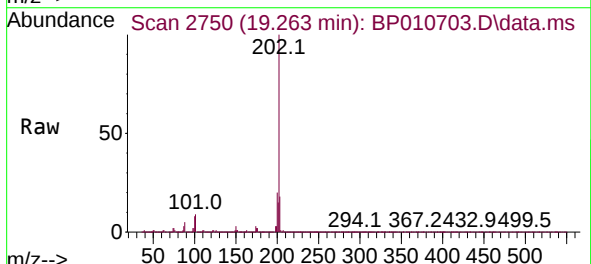
Instrument :
 BNA_P
 ClientSampleId :
 PT-1-060122DL

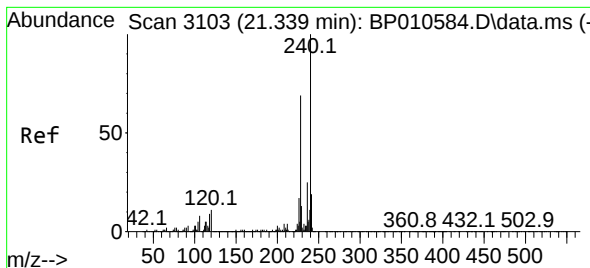
Tgt Ion:167 Resp: 249062
 Ion Ratio Lower Upper
 167 100
 166 21.2 16.9 25.3
 139 13.8 10.6 15.8



#75
 Fluoranthene
 Concen: 66.077 ng
 RT: 19.263 min Scan# 2750
 Delta R.T. 0.011 min
 Lab File: BP010703.D
 Acq: 06 Jun 2022 15:07

Tgt Ion:202 Resp: 2310588
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 29.6
 203 17.7 0.0 36.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.339 min Scan# 3103

Delta R.T. 0.006 min

Lab File: BP010703.D

Acq: 06 Jun 2022 15:07

Instrument :

BNA_P

ClientSampleId :

PT-1-060122DL

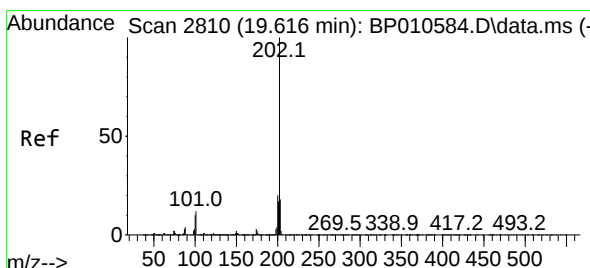
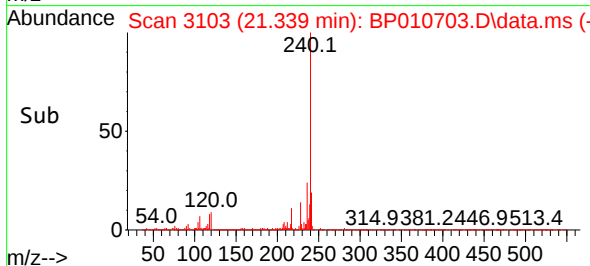
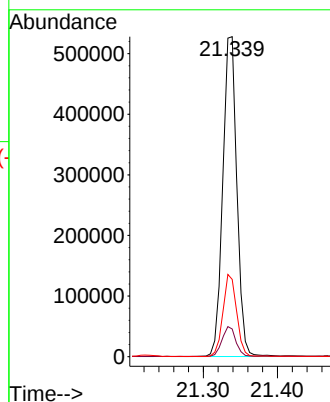
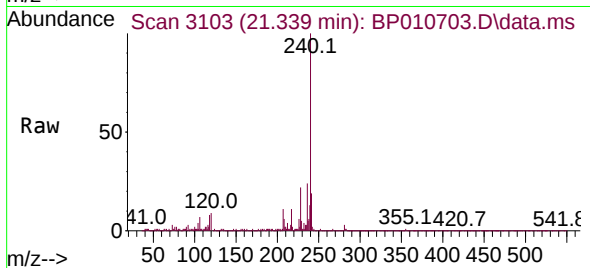
Tgt Ion:240 Resp: 698196

Ion Ratio Lower Upper

240 100

120 8.6 8.6 12.8

236 24.1 19.8 29.6



#78

Pyrene

Concen: 39.019 ng

RT: 19.610 min Scan# 2809

Delta R.T. 0.006 min

Lab File: BP010703.D

Acq: 06 Jun 2022 15:07

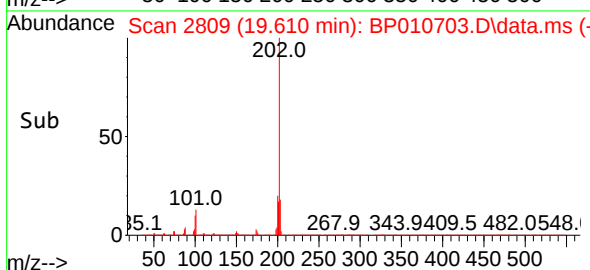
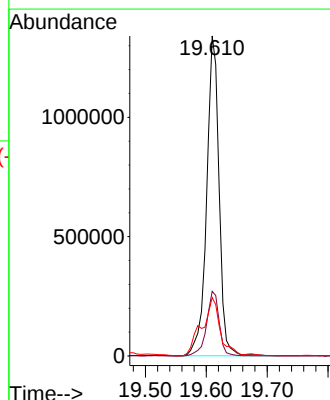
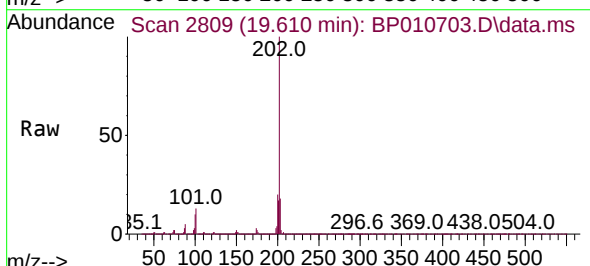
Tgt Ion:202 Resp: 1898569

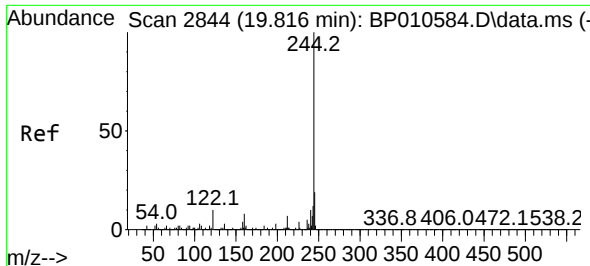
Ion Ratio Lower Upper

202 100

200 20.2 16.3 24.5

203 18.3 14.2 21.4

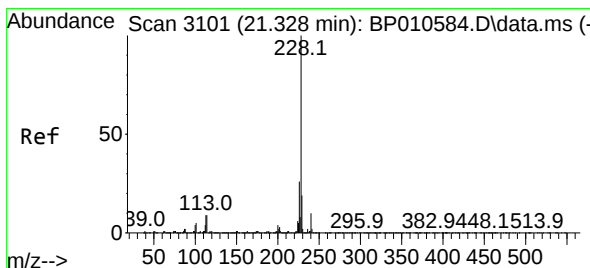
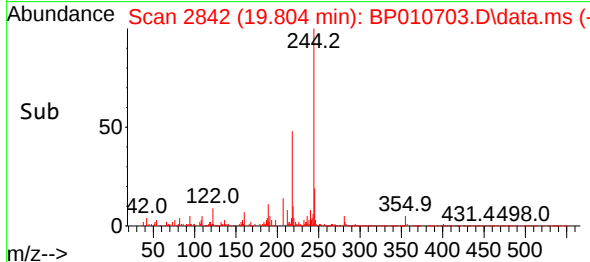
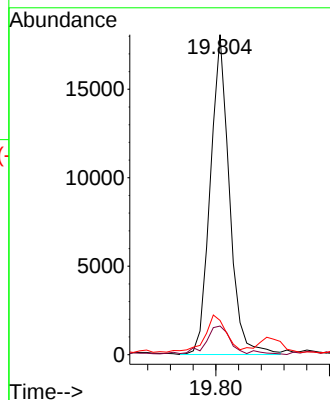
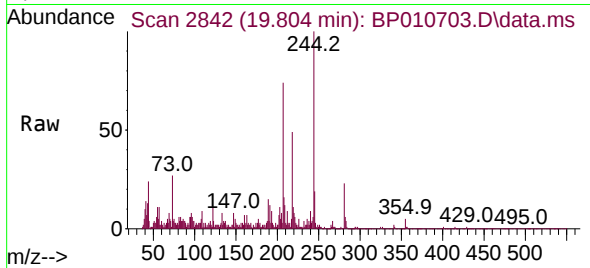




#79
 Terphenyl-d14
 Concen: 0.567 ng
 RT: 19.804 min Scan# 21084
 Delta R.T. -0.000 min
 Lab File: BP010703.D
 Acq: 06 Jun 2022 15:07

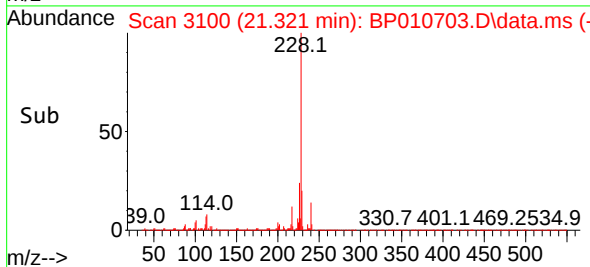
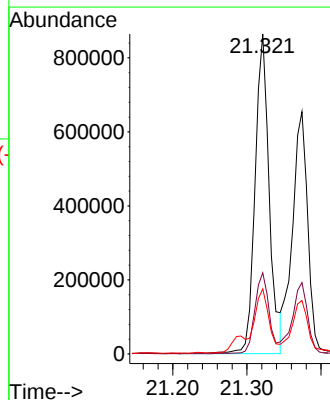
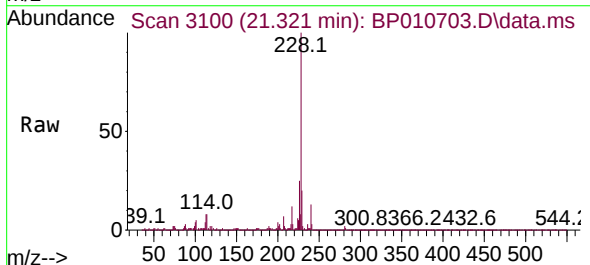
Instrument :
 BNA_P
 ClientSampleId :
 PT-1-060122DL

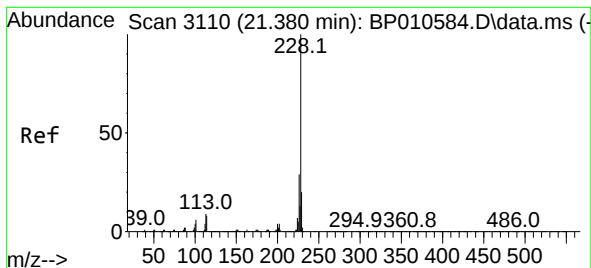
Tgt Ion:244 Resp: 21084
 Ion Ratio Lower Upper
 244 100
 212 9.0 5.8 8.8#
 122 10.7 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 25.002 ng
 RT: 21.321 min Scan# 3100
 Delta R.T. 0.006 min
 Lab File: BP010703.D
 Acq: 06 Jun 2022 15:07

Tgt Ion:228 Resp: 1145312
 Ion Ratio Lower Upper
 228 100
 226 25.4 20.8 31.2
 229 20.3 15.2 22.8





#83

Chrysene

Concen: 21.028 ng

RT: 21.374 min Scan# 3110

Delta R.T. 0.006 min

Lab File: BP010703.D

Acq: 06 Jun 2022 15:07

Instrument :

BNA_P

ClientSampleId :

PT-1-060122DL

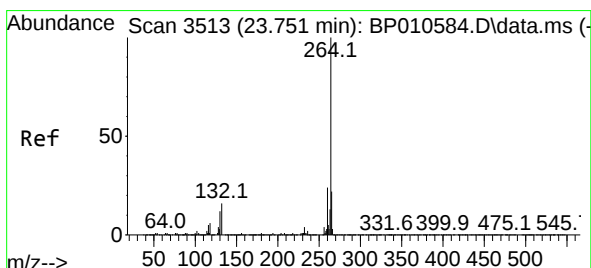
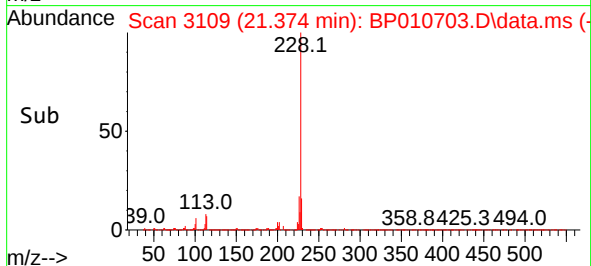
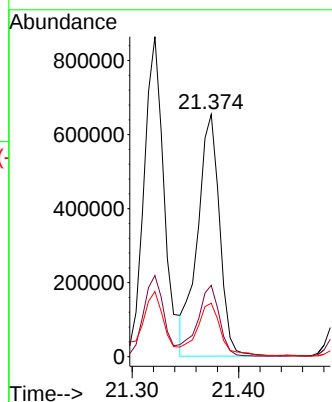
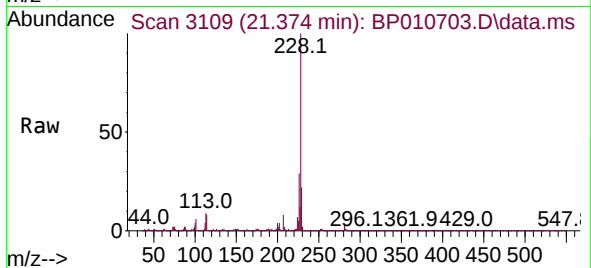
Tgt Ion:228 Resp: 944834

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.2

229 22.1 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.751 min Scan# 3513

Delta R.T. 0.011 min

Lab File: BP010703.D

Acq: 06 Jun 2022 15:07

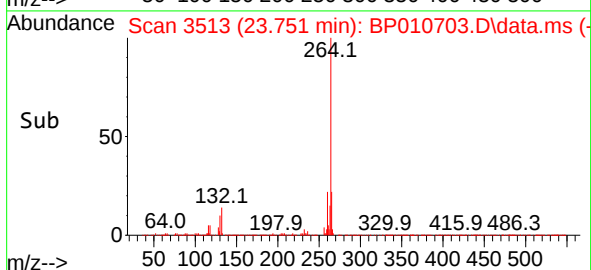
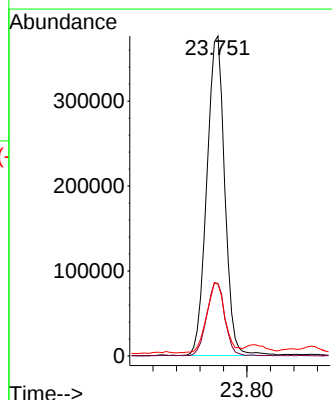
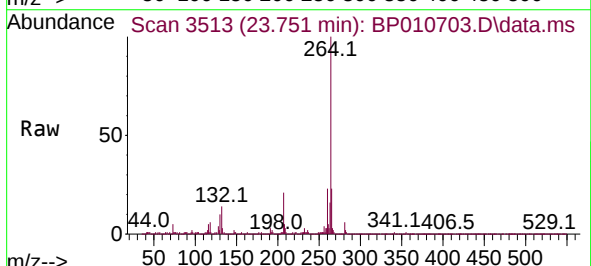
Tgt Ion:264 Resp: 794398

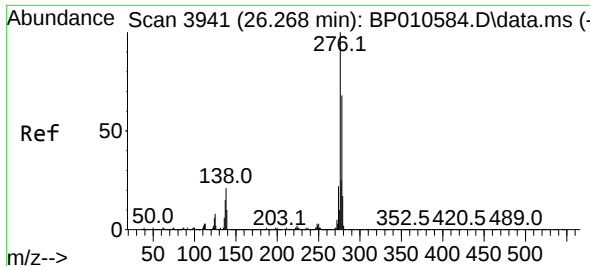
Ion Ratio Lower Upper

264 100

260 22.6 19.3 28.9

265 22.5 18.0 27.0

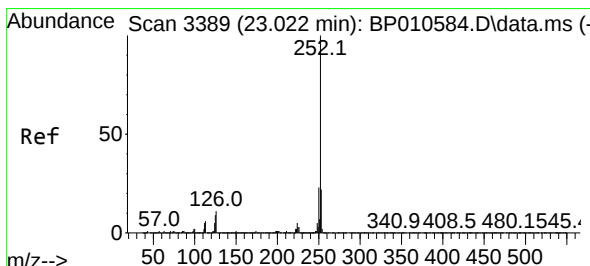
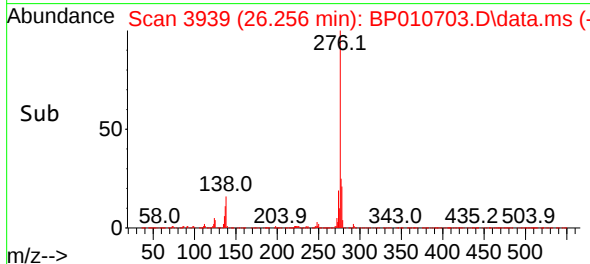
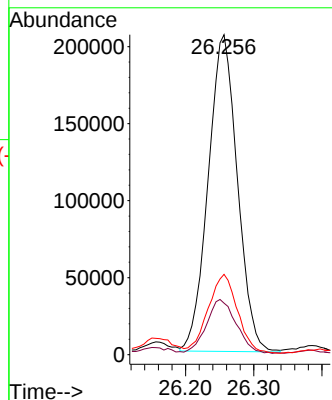
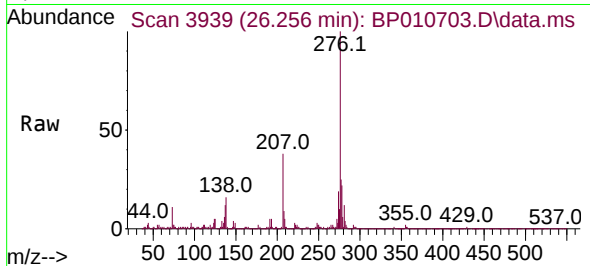




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.583 ng
 RT: 26.256 min Scan# 3941
 Delta R.T. -0.006 min
 Lab File: BP010703.D
 Acq: 06 Jun 2022 15:07

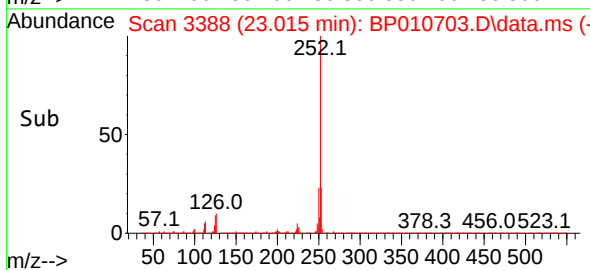
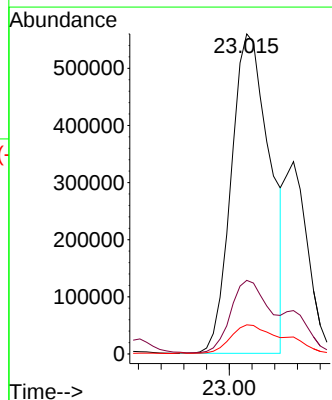
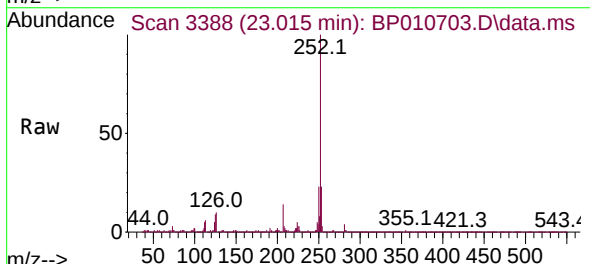
Instrument :
 BNA_P
 ClientSampleId :
 PT-1-060122DL

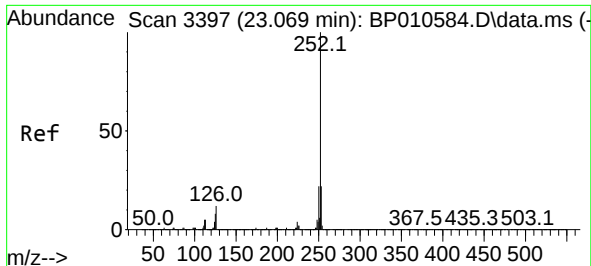
Tgt Ion:276 Resp: 612858
 Ion Ratio Lower Upper
 276 100
 138 17.4 17.5 26.3#
 277 25.3 20.2 30.4



#88
 Benzo(b)fluoranthene
 Concen: 26.470 ng
 RT: 23.015 min Scan# 3388
 Delta R.T. 0.006 min
 Lab File: BP010703.D
 Acq: 06 Jun 2022 15:07

Tgt Ion:252 Resp: 1323929
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.8 26.6
 125 9.1 7.0 10.6

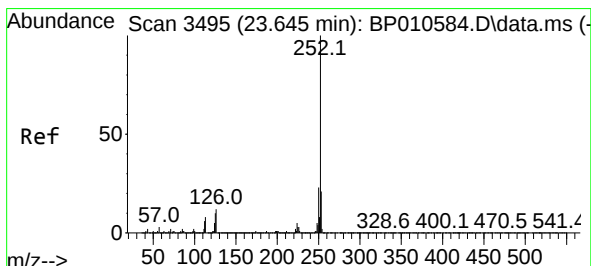
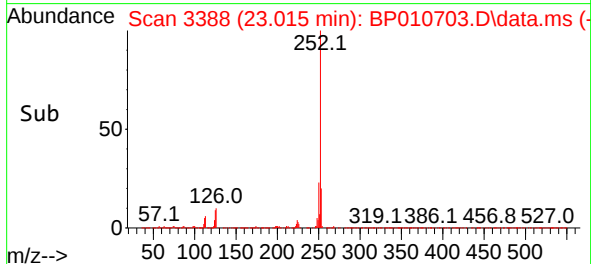
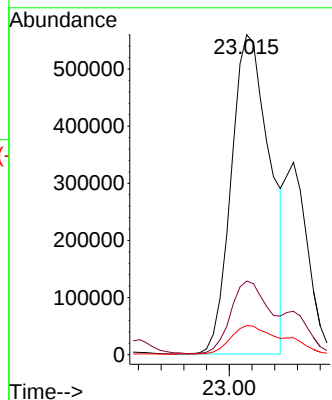
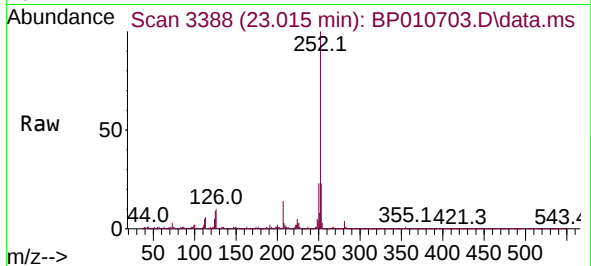




#89
Benzo(k)fluoranthene
Concen: 26.112 ng
RT: 23.015 min Scan# 31
Delta R.T. -0.042 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

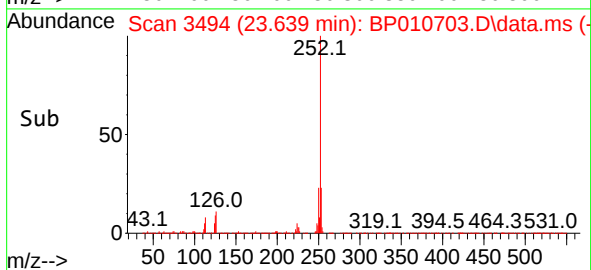
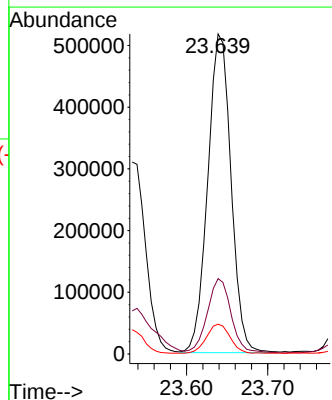
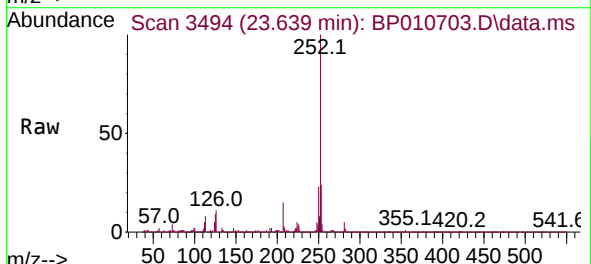
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL

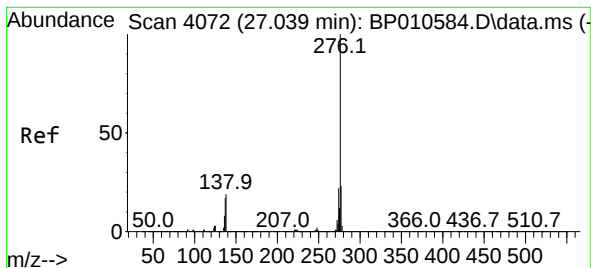
Tgt Ion:252 Resp: 1323929
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 9.1 7.0 10.4



#90
Benzo(a)pyrene
Concen: 24.881 ng
RT: 23.639 min Scan# 3494
Delta R.T. 0.006 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

Tgt Ion:252 Resp: 1029373
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 9.3 7.9 11.9





#92

Benzo(g,h,i)perylene

Concen: 11.919 ng

RT: 27.027 min Scan# 4070

Delta R.T. -0.000 min

Lab File: BP010703.D

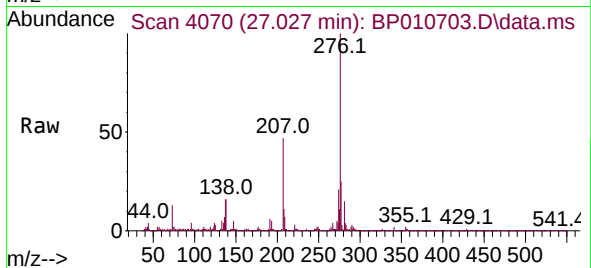
Acq: 06 Jun 2022 15:07

Instrument :

BNA_P

ClientSampleId :

PT-1-060122DL



Tgt Ion:276 Resp: 573938

Ion Ratio Lower Upper

276 100

277 25.2 18.7 28.1

138 16.1 15.2 22.8

