

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060822\
 Data File : BP010722.D
 Acq On : 08 Jun 2022 12:06
 Operator : CG/JU
 Sample : N3194-03 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-2

Quant Time: Jun 08 12:33:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 19:29:31 2022
 Response via : Initial Calibration

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

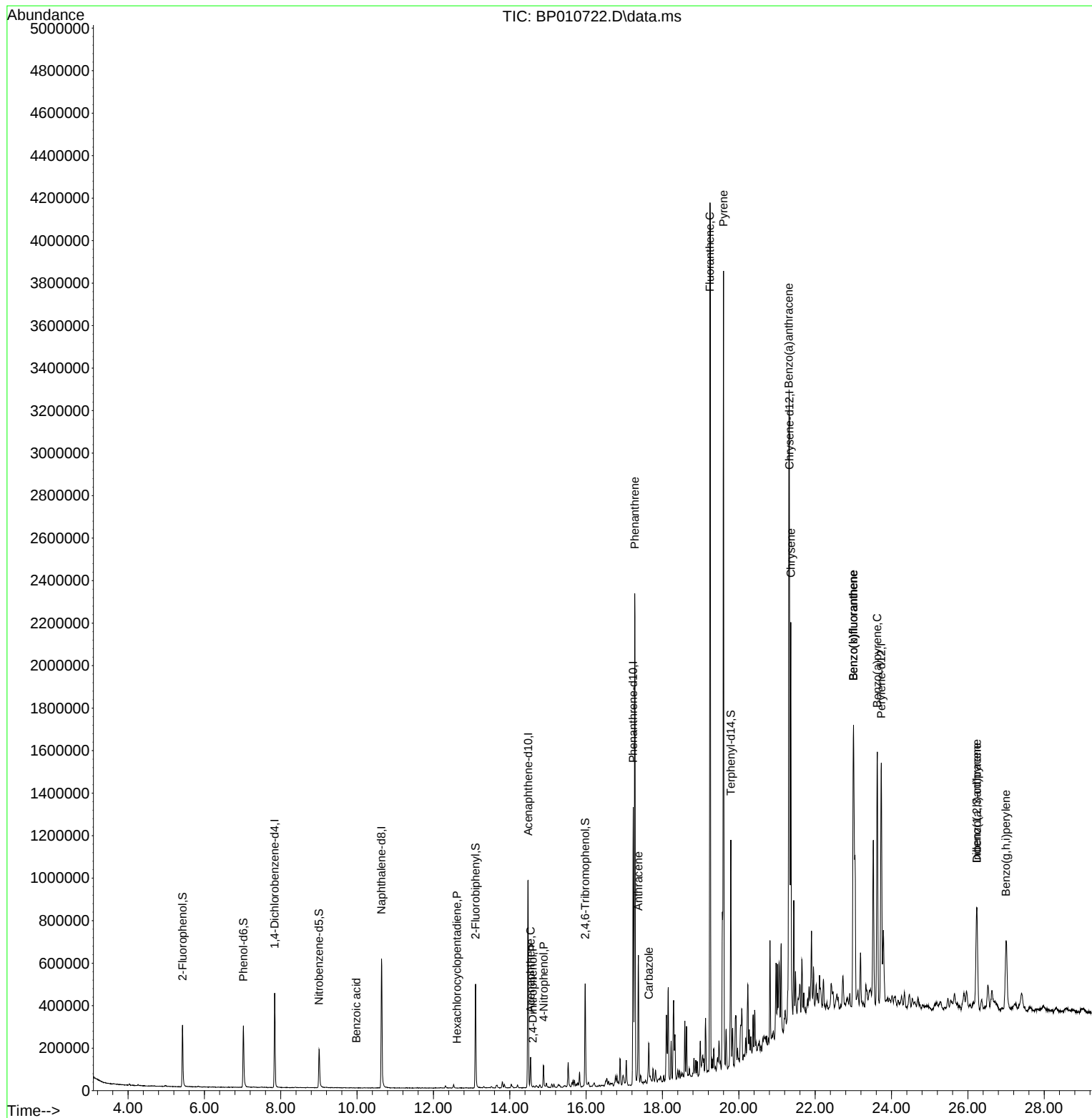
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	115075	20.000	ng	0.00
21) Naphthalene-d8	10.640	136	501271	20.000	ng	0.00
39) Acenaphthene-d10	14.481	164	334557	20.000	ng	0.00
64) Phenanthrene-d10	17.234	188	741908	20.000	ng	0.00
76) Chrysene-d12	21.328	240	891080	20.000	ng	# 0.00
86) Perylene-d12	23.733	264	893137	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	118278	17.739	ng	0.00
7) Phenol-d6	7.022	99	169879	18.630	ng	0.00
23) Nitrobenzene-d5	9.005	82	118764	11.157	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	73028	16.029	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	249614	10.733	ng	0.00
79) Terphenyl-d14	19.792	244	452708	9.500	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.981	122	47	6.089	ng	# 47
41) Hexachlorocyclopentadiene	12.616	237	16	6.197	ng	91
52) Acenaphthene	14.546	154	48521	2.614	ng	97
54) 2,4-Dinitrophenol	14.604	184	25	5.321	ng	# 1
56) 4-Nitrophenol	14.887	139	23592	5.682	ng	# 1
71) Phenanthrene	17.275	178	1359267	33.321	ng	99
72) Anthracene	17.369	178	362092	9.180	ng	99
73) Carbazole	17.645	167	115689	3.286	ng	100
75) Fluoranthene	19.245	202	2383874	49.380	ng	98
78) Pyrene	19.598	202	2103993	34.998	ng	99
81) Benzo(a)anthracene	21.310	228	1234974	20.846	ng	99
83) Chrysene	21.363	228	980036	17.324	ng	97
87) Indeno(1,2,3-cd)pyrene	26.233	276	495149	7.619	ng	# 95
88) Benzo(b)fluoranthene	23.004	252	1258399	22.579	ng	99
89) Benzo(k)fluoranthene	23.004	252	1258399	22.154	ng	97
90) Benzo(a)pyrene	23.627	252	905742	19.413	ng	96
91) Dibenzo(a,h)anthracene	26.233	278	139040	2.558	ng	# 86
92) Benzo(g,h,i)perylene	26.998	276	448983	8.333	ng	97

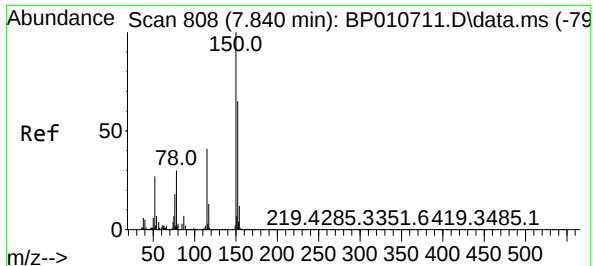
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 08 12:33:03 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 07 19:29:31 2022
Response via : Initial Calibration

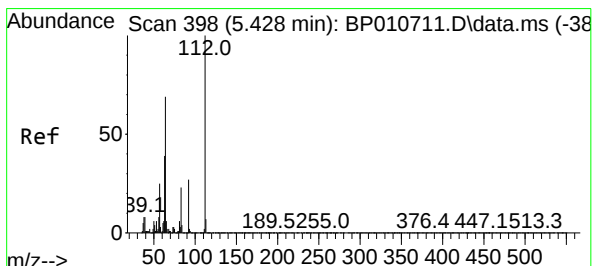
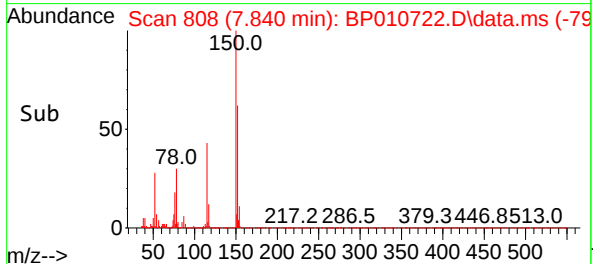
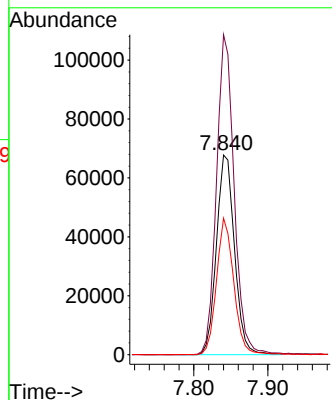
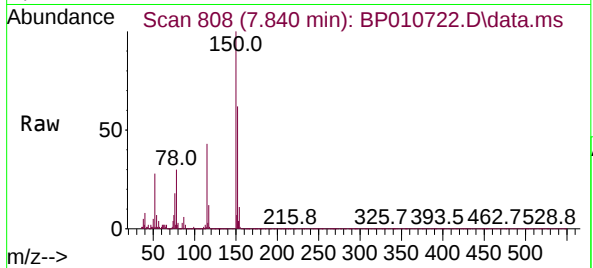




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.840 min Scan# 808
 Delta R.T. 0.000 min
 Lab File: BP010722.D
 Acq: 08 Jun 2022 12:06

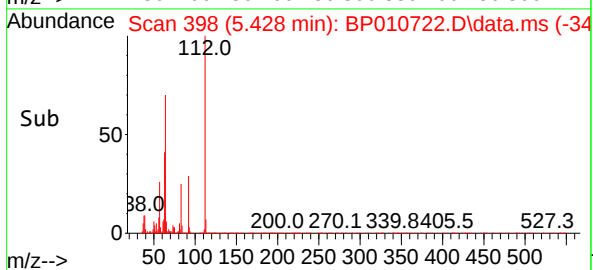
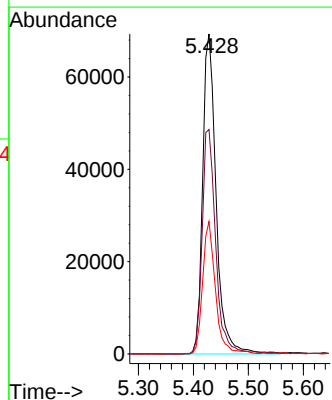
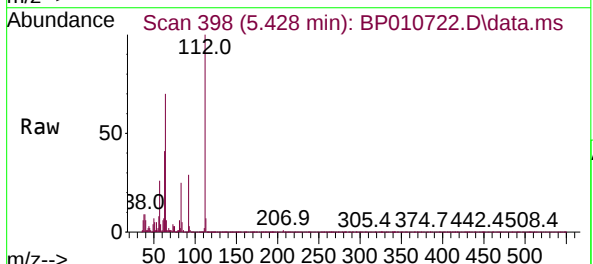
Instrument :
 BNA_P
 ClientSampleId :
 TP-2

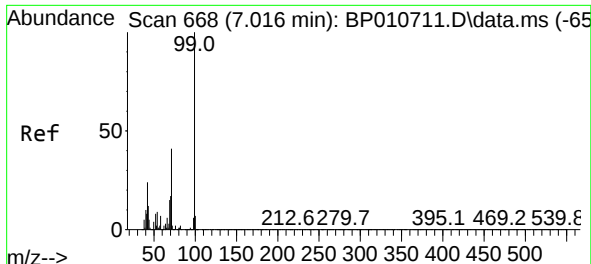
Tgt Ion:152 Resp: 115075
 Ion Ratio Lower Upper
 152 100
 150 160.3 123.4 185.2
 115 68.4 51.3 76.9



#5
 2-Fluorophenol
 Concen: 17.739 ng
 RT: 5.428 min Scan# 398
 Delta R.T. 0.000 min
 Lab File: BP010722.D
 Acq: 08 Jun 2022 12:06

Tgt Ion:112 Resp: 118278
 Ion Ratio Lower Upper
 112 100
 64 70.1 56.9 85.3
 63 41.4 31.2 46.8

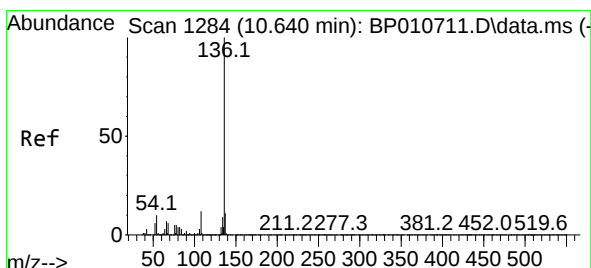
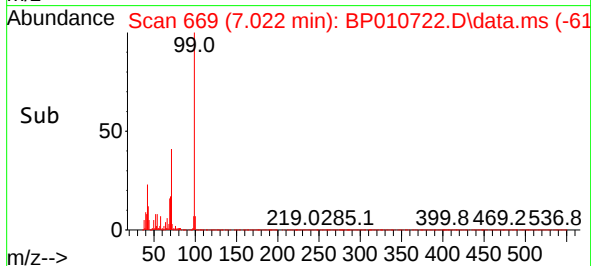
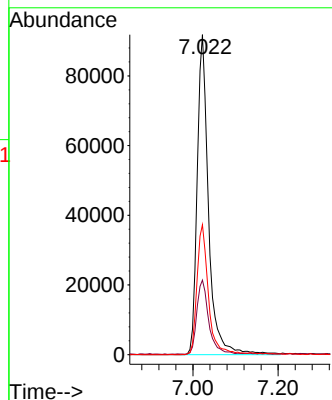
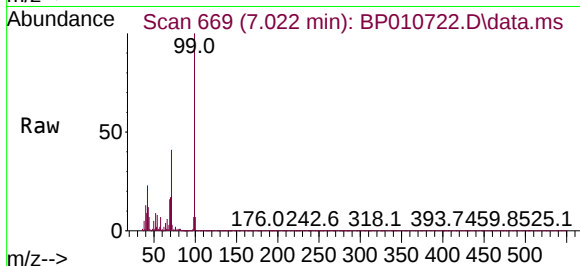




#7
Phenol-d6
Concen: 18.630 ng
RT: 7.022 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06

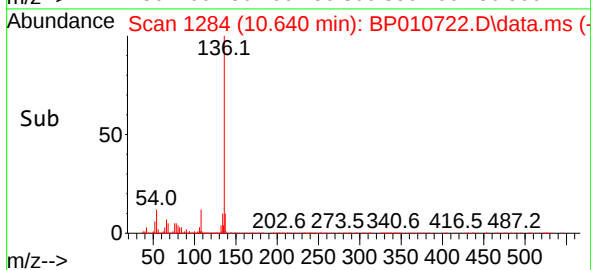
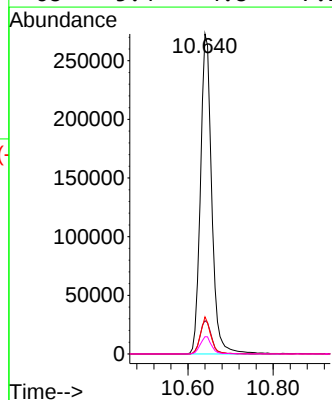
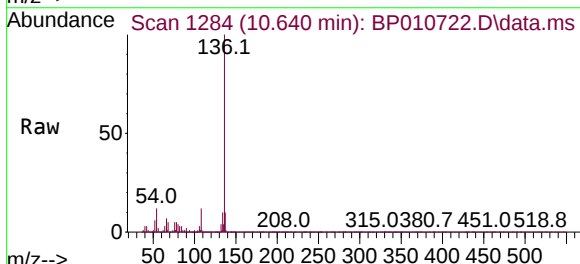
Instrument :
BNA_P
ClientSampleId :
TP-2

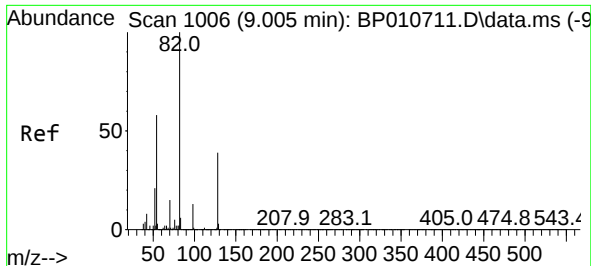
Tgt Ion: 99 Resp: 169879
Ion Ratio Lower Upper
99 100
42 23.3 20.3 30.5
71 40.6 33.9 50.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.640 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06

Tgt Ion: 136 Resp: 501271
Ion Ratio Lower Upper
136 100
137 10.4 9.0 13.4
54 11.6 8.7 13.1
68 5.4 4.8 7.2

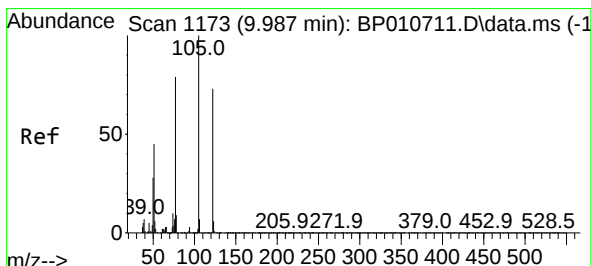
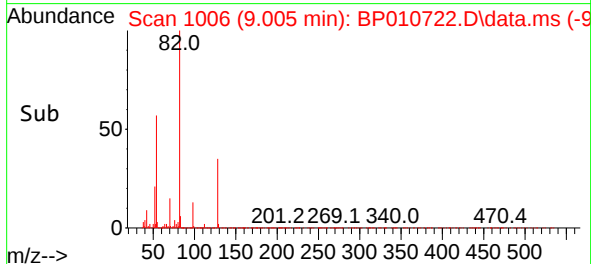
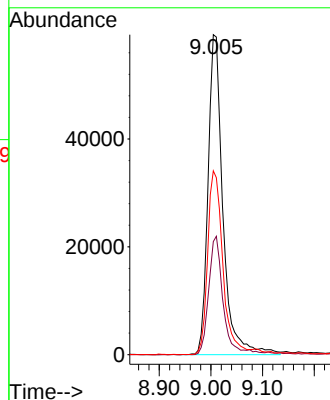
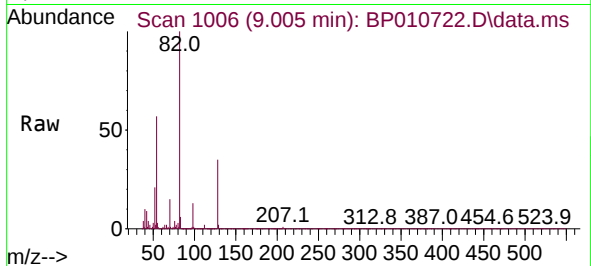




#23
Nitrobenzene-d5
Concen: 11.157 ng
RT: 9.005 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06

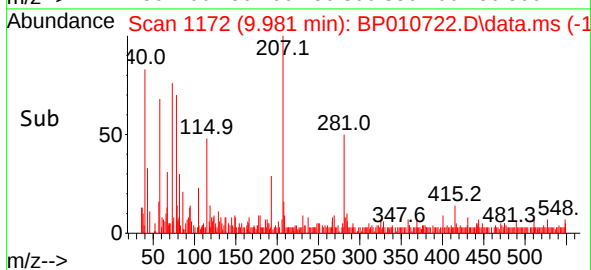
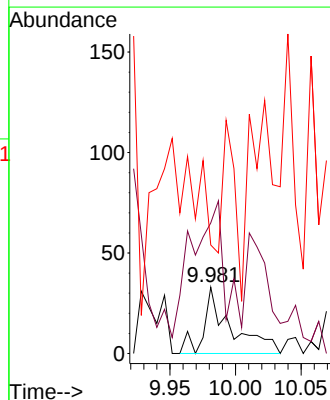
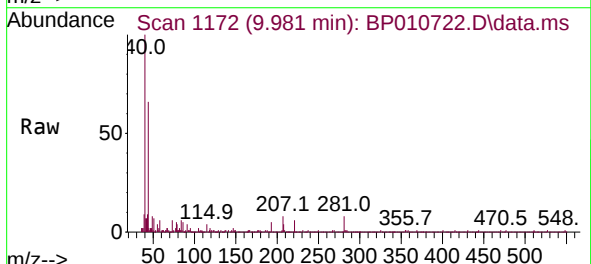
Instrument :
BNA_P
ClientSampleId :
TP-2

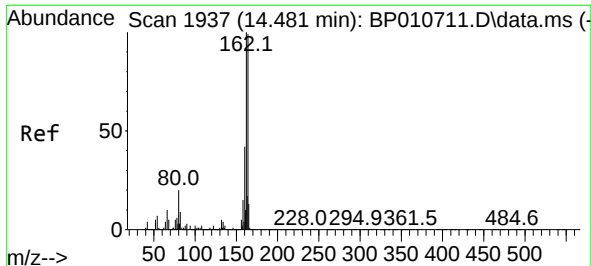
Tgt Ion: 82 Resp: 118764
Ion Ratio Lower Upper
82 100
128 35.3 31.3 46.9
54 57.5 49.8 74.8



#32
Benzoic acid
Concen: 6.089 ng
RT: 9.981 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06

Tgt Ion: 122 Resp: 47
Ion Ratio Lower Upper
122 100
105 197.0 112.6 152.6#
77 163.6 90.2 130.2#

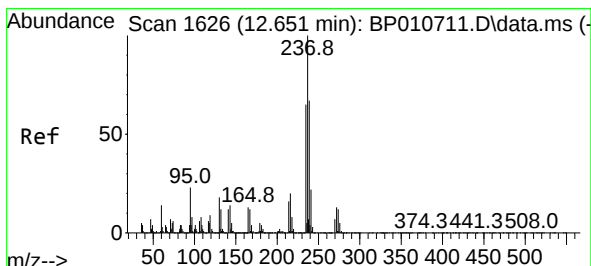
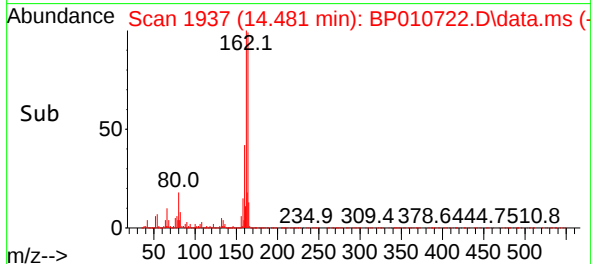
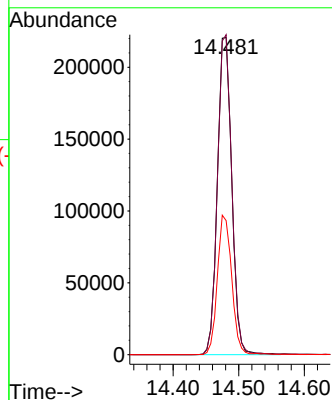
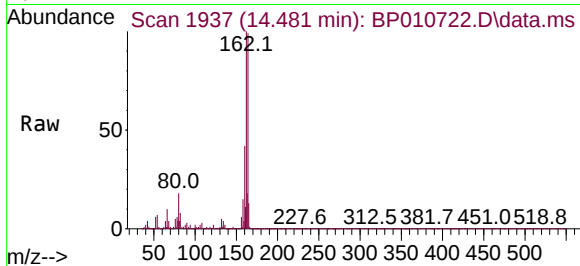




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06

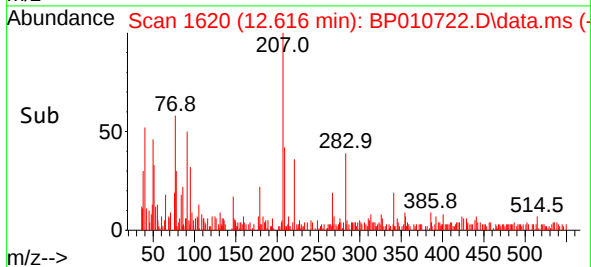
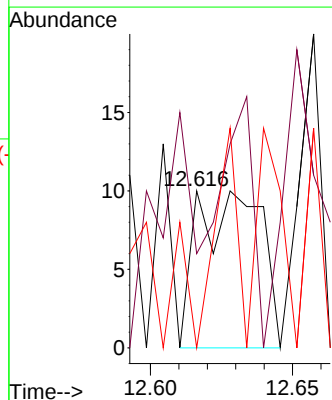
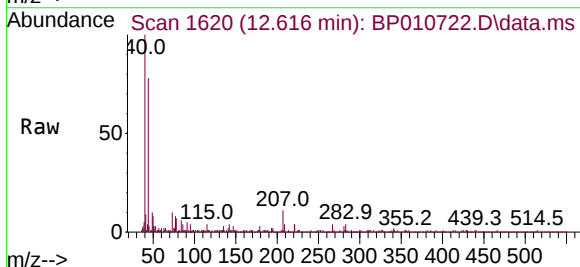
Instrument :
BNA_P
ClientSampleId :
TP-2

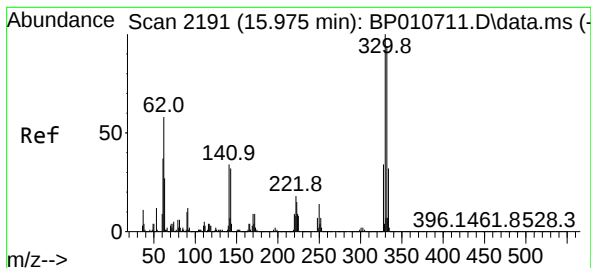
Tgt Ion:164 Resp: 334557
Ion Ratio Lower Upper
164 100
162 100.9 81.9 122.9
160 42.3 34.6 51.8



#41
Hexachlorocyclopentadiene
Concen: 6.197 ng
RT: 12.616 min Scan# 1620
Delta R.T. -0.035 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06

Tgt Ion:237 Resp: 16
Ion Ratio Lower Upper
237 100
235 60.0 43.3 83.3
272 0.0 0.0 33.0





#42

2,4,6-Tribromophenol

Concen: 16.029 ng

RT: 15.975 min Scan# 2191

Delta R.T. 0.000 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

Instrument :

BNA_P

ClientSampleId :

TP-2

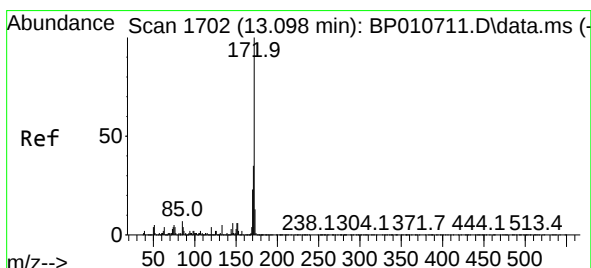
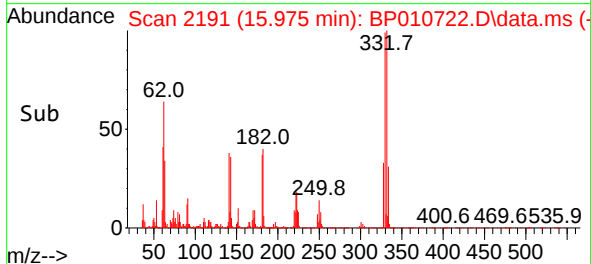
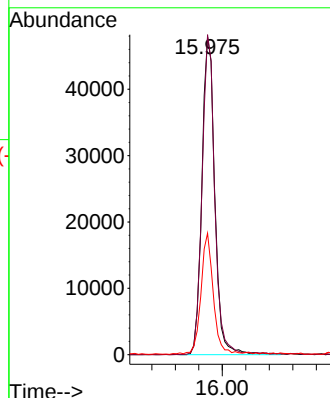
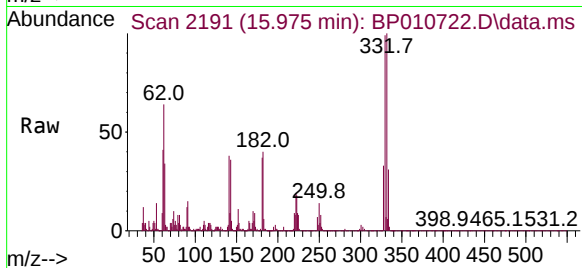
Tgt Ion:330 Resp: 73028

Ion Ratio Lower Upper

330 100

332 99.3 78.1 117.1

141 36.6 31.4 47.2



#45

2-Fluorobiphenyl

Concen: 10.733 ng

RT: 13.104 min Scan# 1703

Delta R.T. 0.006 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

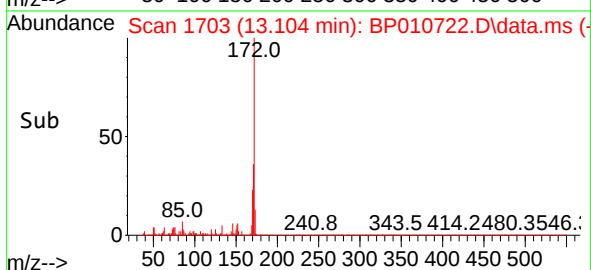
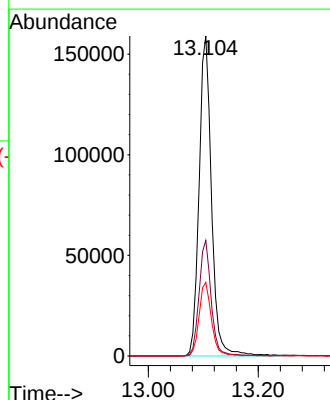
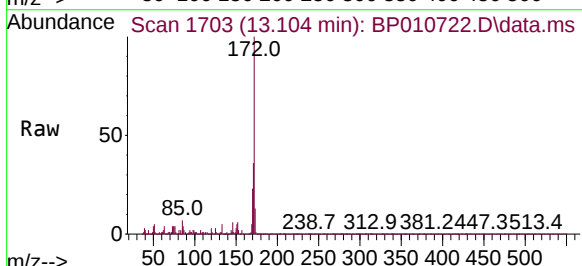
Tgt Ion:172 Resp: 249614

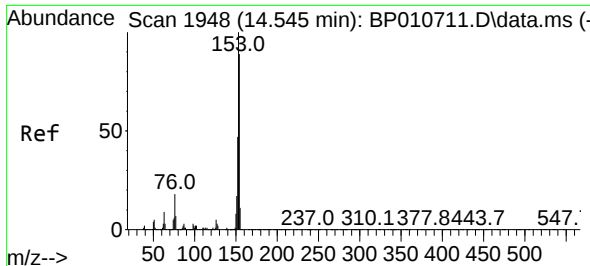
Ion Ratio Lower Upper

172 100

171 36.1 27.9 41.9

170 23.0 18.2 27.2

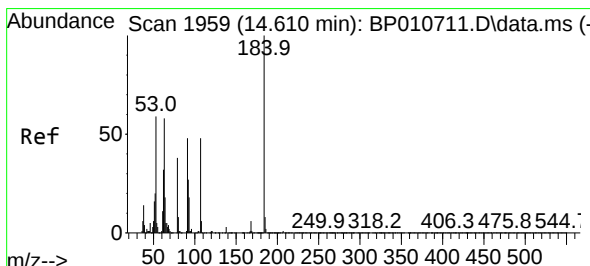
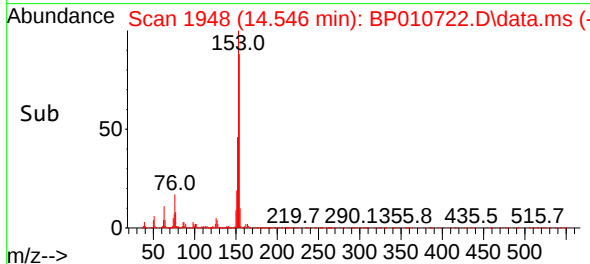
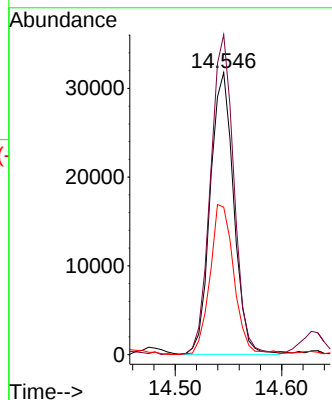
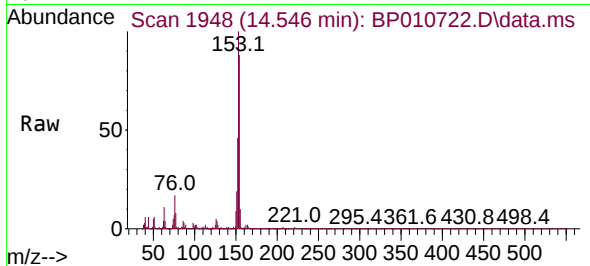




#52
Acenaphthene
Concen: 2.614 ng
RT: 14.546 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06

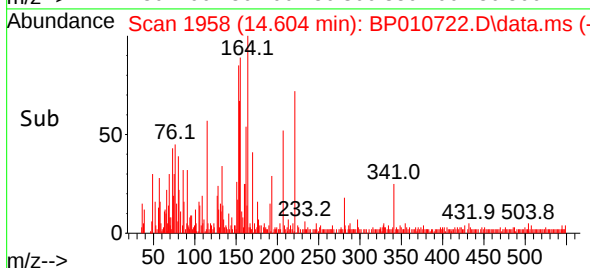
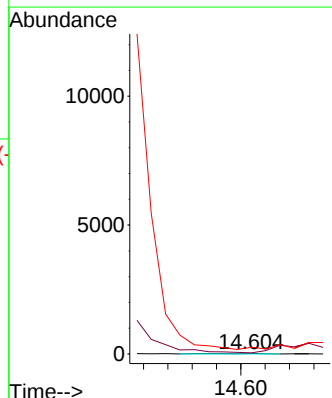
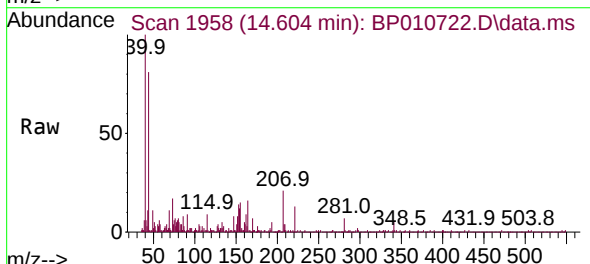
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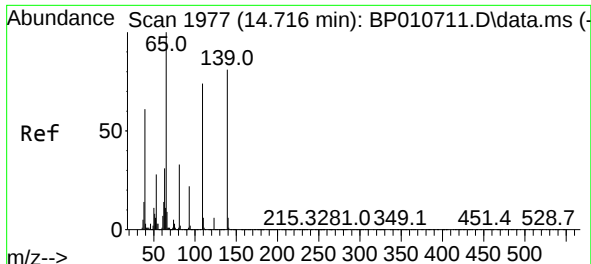
Tgt Ion:	154	Resp:	48521
Ion Ratio	Lower	Upper	
154	100		
153	113.4	87.4	131.2
152	52.3	41.7	62.5



#54
2,4-Dinitrophenol
Concen: 5.321 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06

Tgt Ion:	184	Resp:	25
Ion Ratio	Lower	Upper	
184	100		
63	233.3	65.4	98.2#
154	1444.4	55.4	83.2#

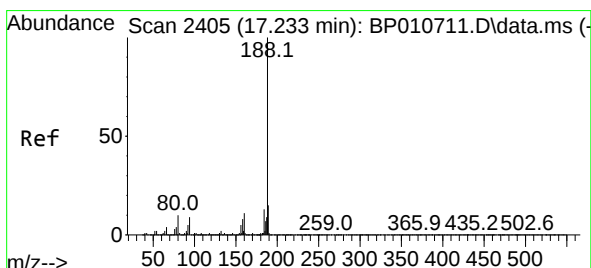
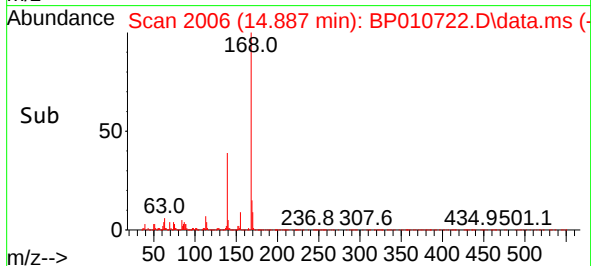
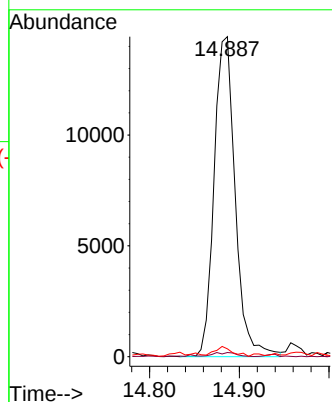
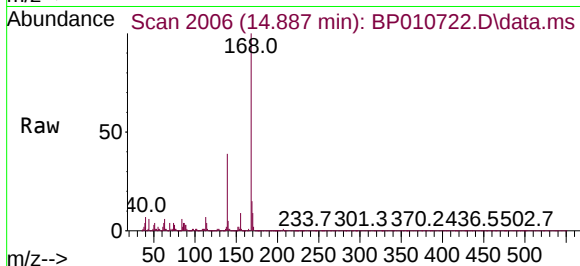




#56
4-Nitrophenol
Concen: 5.682 ng
RT: 14.887 min Scan# 2006
Delta R.T. 0.171 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06

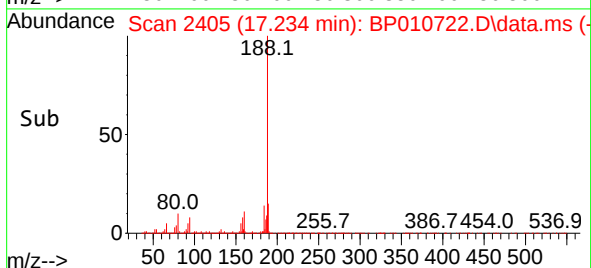
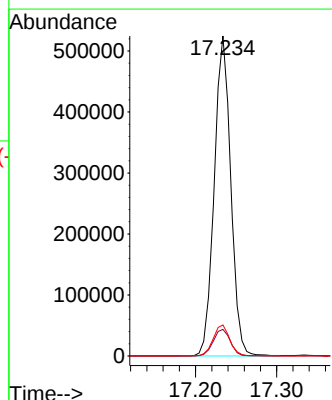
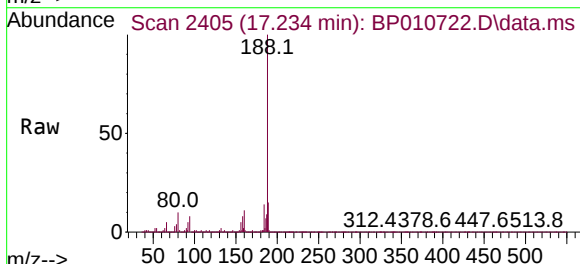
Instrument :
BNA_P
ClientSampleId :
TP-2

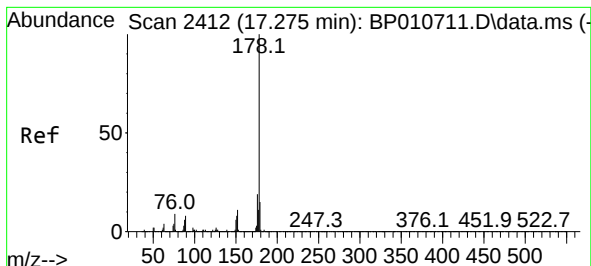
Tgt Ion:139 Resp: 23592
Ion Ratio Lower Upper
139 100
109 1.3 70.6 110.6#
65 2.5 106.6 146.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.234 min Scan# 2405
Delta R.T. 0.000 min
Lab File: BP010722.D
Acq: 08 Jun 2022 12:06

Tgt Ion:188 Resp: 741908
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 9.7 8.0 12.0





#71

Phenanthrene

Concen: 33.321 ng

RT: 17.275 min Scan# 2412

Delta R.T. 0.000 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

Instrument :

BNA_P

ClientSampleId :

TP-2

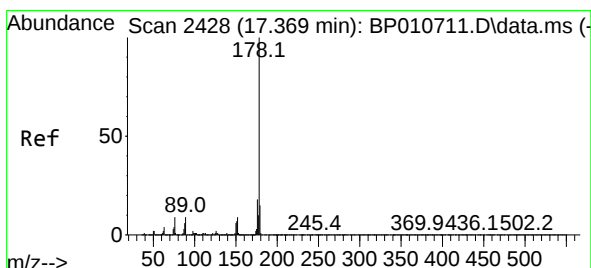
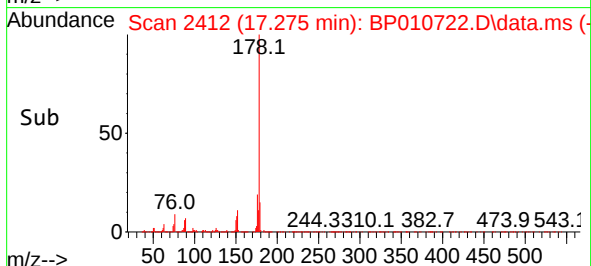
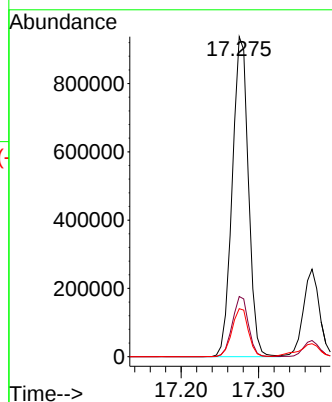
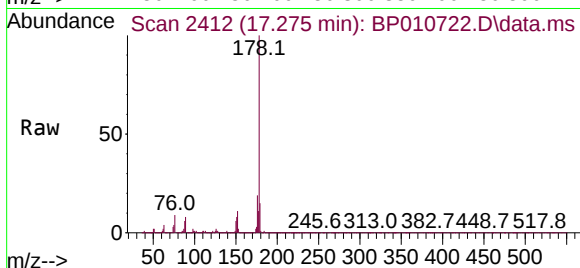
Tgt Ion:178 Resp: 1359267

Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

179 15.0 12.2 18.2



#72

Anthracene

Concen: 9.180 ng

RT: 17.369 min Scan# 2428

Delta R.T. 0.000 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

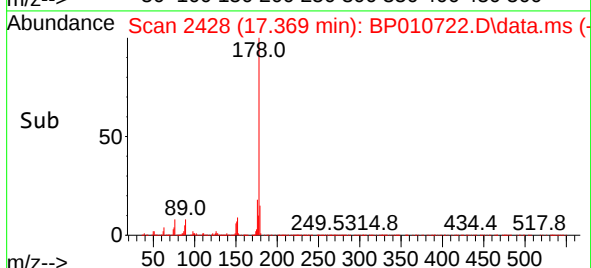
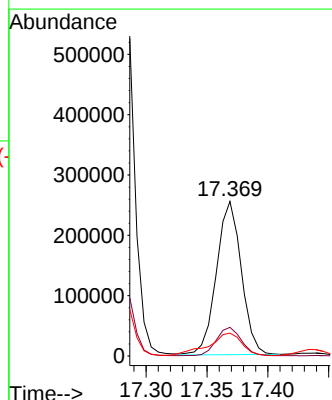
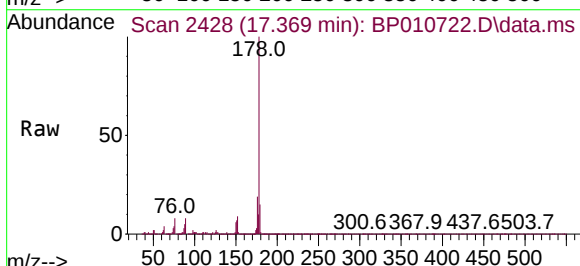
Tgt Ion:178 Resp: 362092

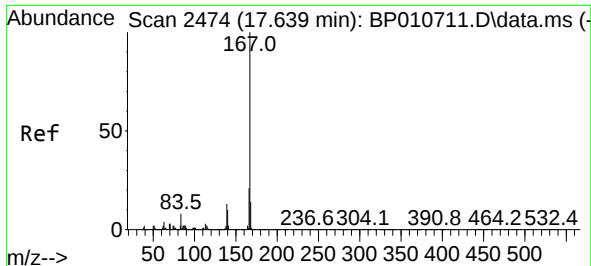
Ion Ratio Lower Upper

178 100

176 18.5 14.5 21.7

179 14.9 12.2 18.4

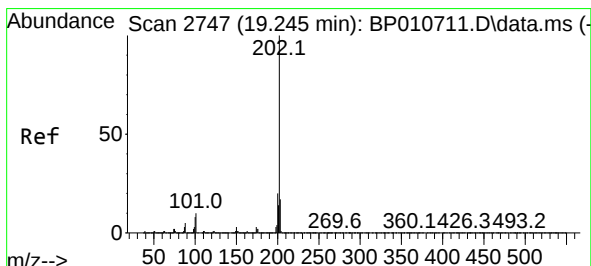
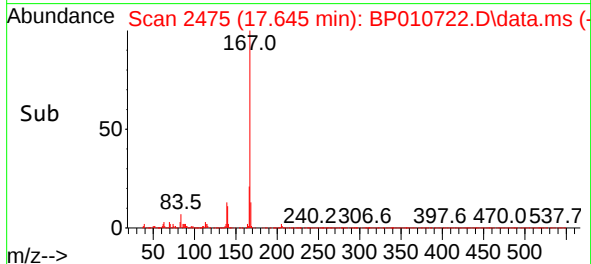
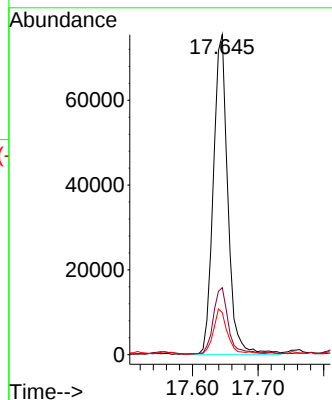
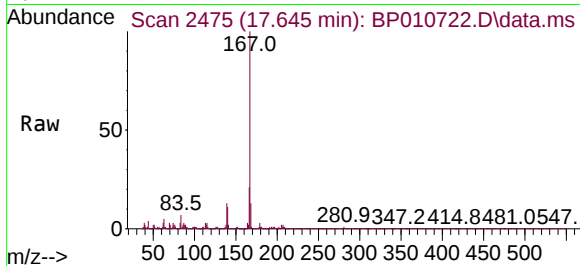




#73
 Carbazole
 Concen: 3.286 ng
 RT: 17.645 min Scan# 2474
 Delta R.T. 0.006 min
 Lab File: BP010722.D
 Acq: 08 Jun 2022 12:06

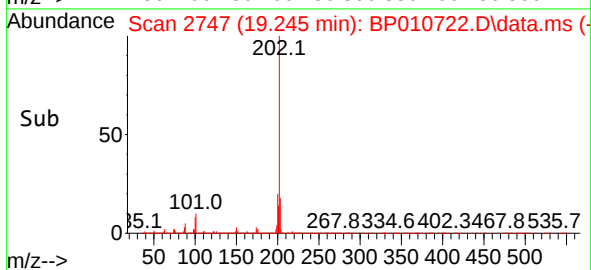
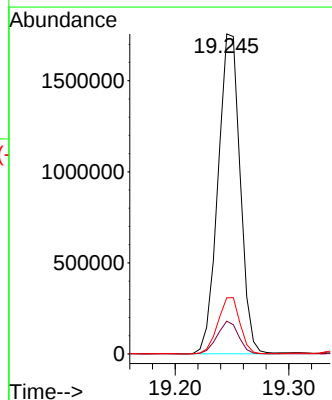
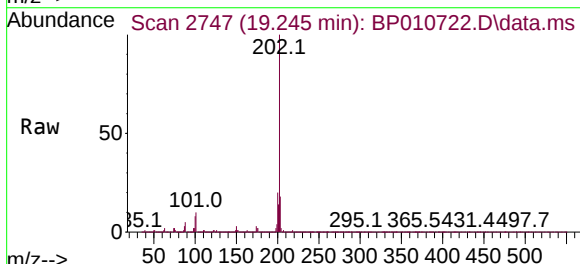
Instrument :
 BNA_P
 ClientSampleId :
 TP-2

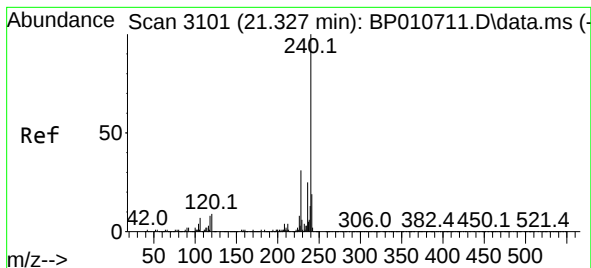
Tgt Ion:167 Resp: 115689
 Ion Ratio Lower Upper
 167 100
 166 21.0 16.9 25.3
 139 13.1 10.6 15.8



#75
 Fluoranthene
 Concen: 49.380 ng
 RT: 19.245 min Scan# 2747
 Delta R.T. 0.000 min
 Lab File: BP010722.D
 Acq: 08 Jun 2022 12:06

Tgt Ion:202 Resp: 2383874
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 29.6
 203 17.5 0.0 36.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.328 min Scan# 3101

Delta R.T. 0.000 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

Instrument :

BNA_P

ClientSampleId :

TP-2

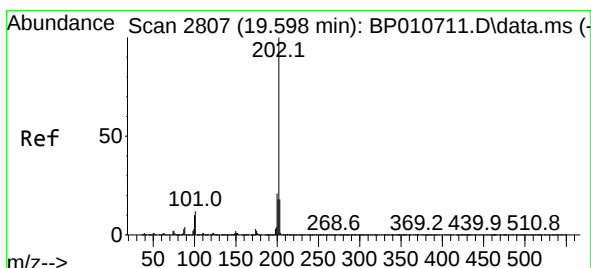
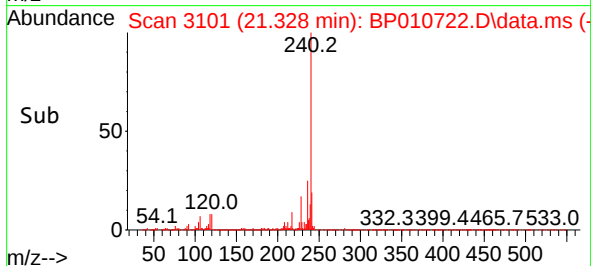
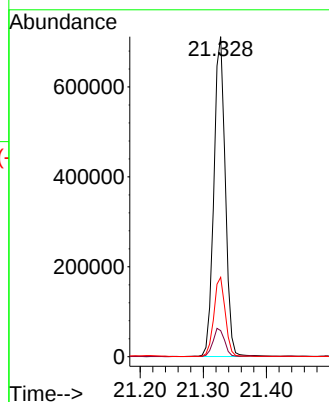
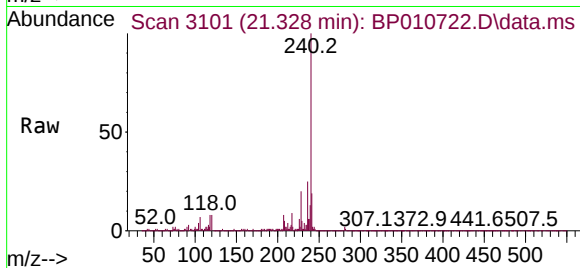
Tgt Ion:240 Resp: 891080

Ion Ratio Lower Upper

240 100

120 8.2 8.6 12.8#

236 24.8 19.8 29.6



#78

Pyrene

Concen: 34.998 ng

RT: 19.598 min Scan# 2807

Delta R.T. 0.000 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

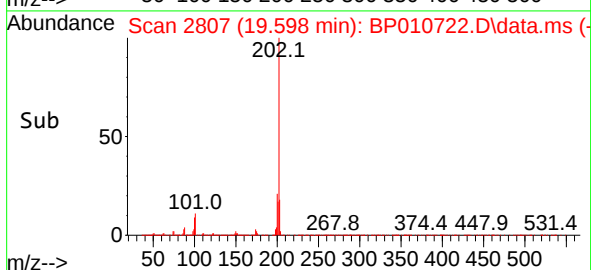
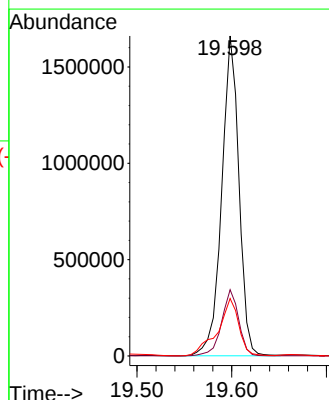
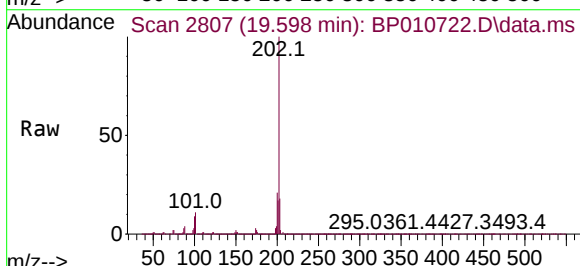
Tgt Ion:202 Resp: 2103993

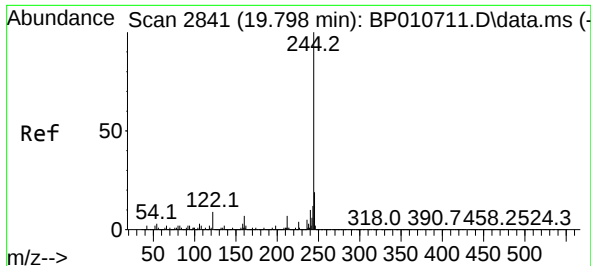
Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

203 18.0 14.2 21.4

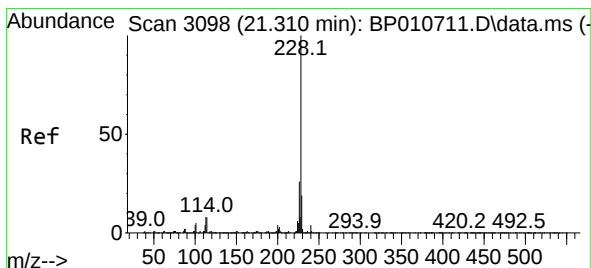
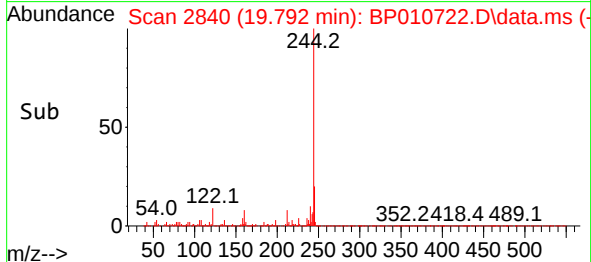
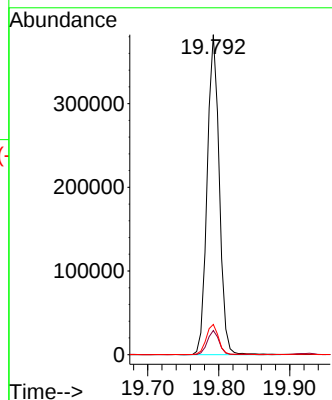
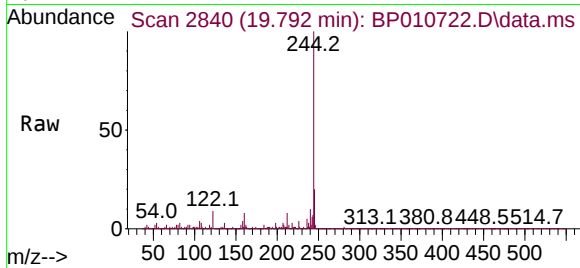




#79
 Terphenyl-d14
 Concen: 9.500 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP010722.D
 Acq: 08 Jun 2022 12:06

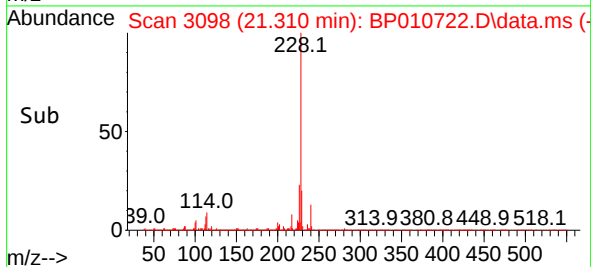
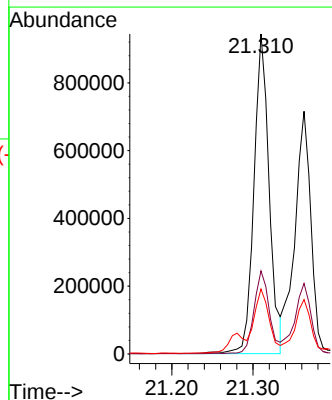
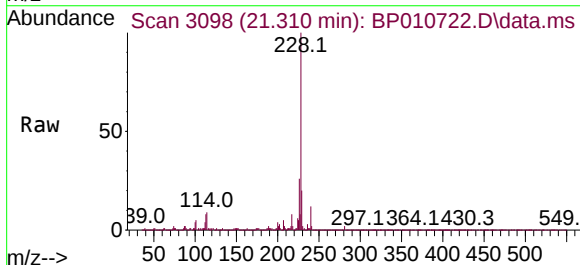
Instrument :
 BNA_P
 ClientSampleId :
 TP-2

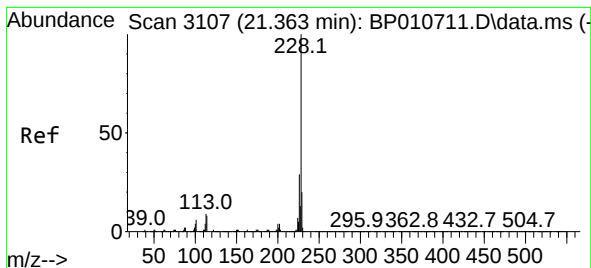
Tgt Ion:244 Resp: 452708
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.8
 122 9.5 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 20.846 ng
 RT: 21.310 min Scan# 3098
 Delta R.T. 0.000 min
 Lab File: BP010722.D
 Acq: 08 Jun 2022 12:06

Tgt Ion:228 Resp: 1234974
 Ion Ratio Lower Upper
 228 100
 226 25.9 20.8 31.2
 229 20.3 15.2 22.8





#83

Chrysene

Concen: 17.324 ng

RT: 21.363 min Scan# 3107

Delta R.T. 0.000 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

Instrument :

BNA_P

ClientSampleId :

TP-2

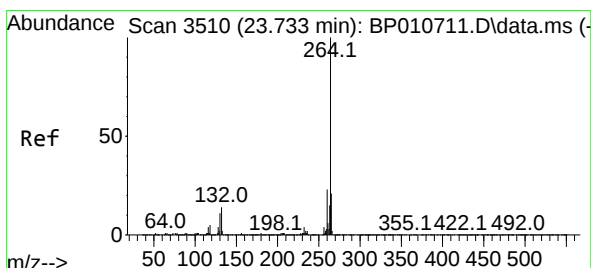
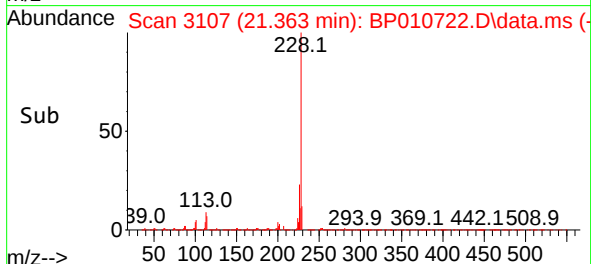
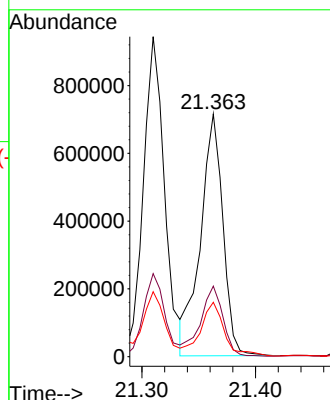
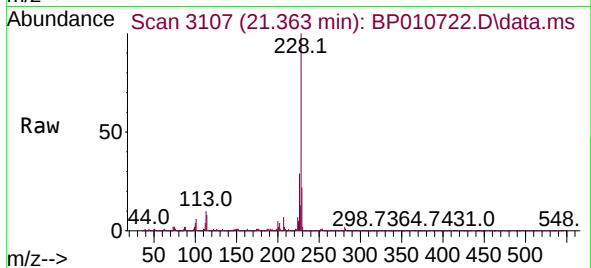
Tgt Ion:228 Resp: 980036

Ion Ratio Lower Upper

228 100

226 29.1 23.4 35.2

229 22.4 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.733 min Scan# 3510

Delta R.T. 0.000 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

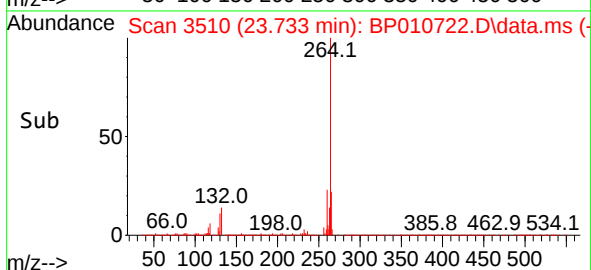
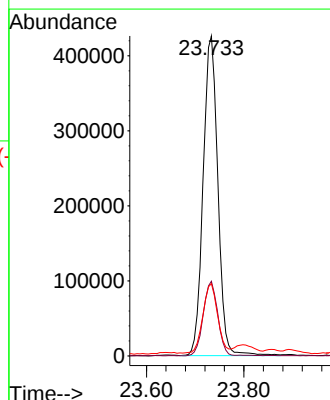
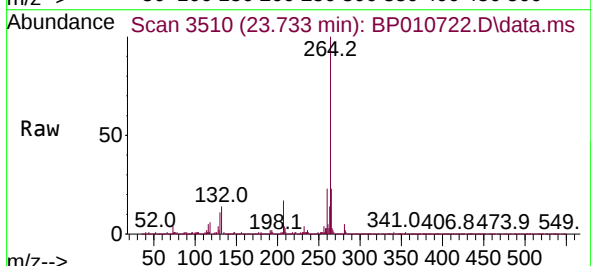
Tgt Ion:264 Resp: 893137

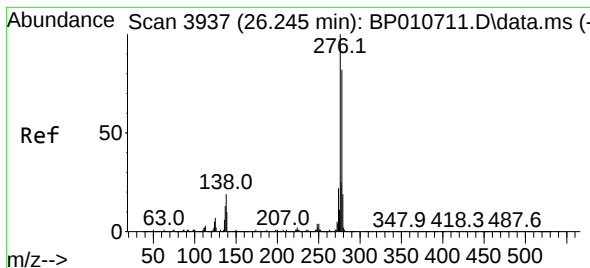
Ion Ratio Lower Upper

264 100

260 23.4 19.3 28.9

265 22.6 18.0 27.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.619 ng

RT: 26.233 min Scan# 3935

Delta R.T. -0.012 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

Instrument :

BNA_P

ClientSampleId :

TP-2

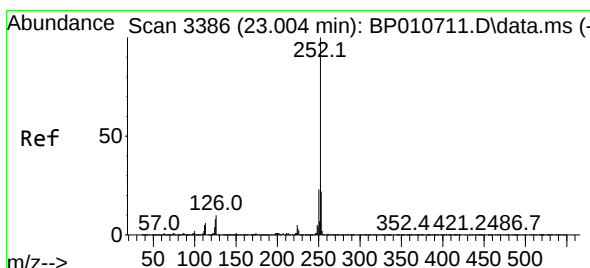
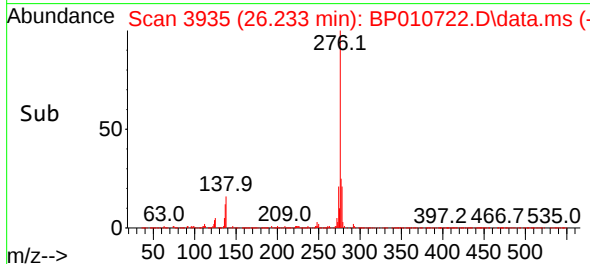
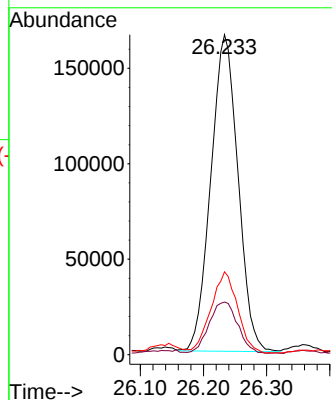
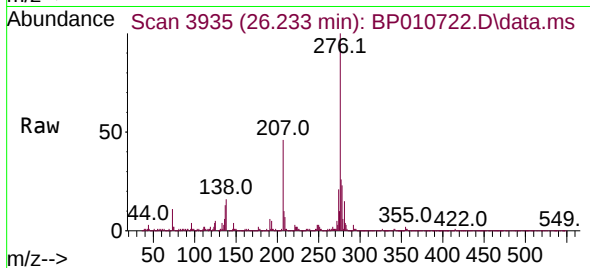
Tgt Ion:276 Resp: 495149

Ion Ratio Lower Upper

276 100

138 17.2 17.5 26.3#

277 25.2 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 22.579 ng

RT: 23.004 min Scan# 3386

Delta R.T. 0.000 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

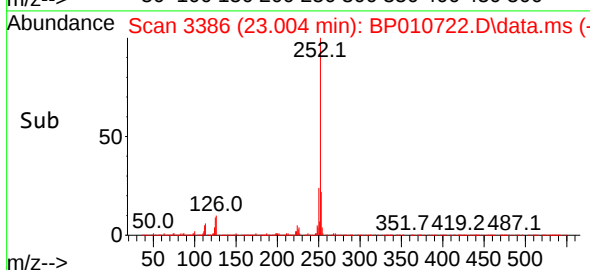
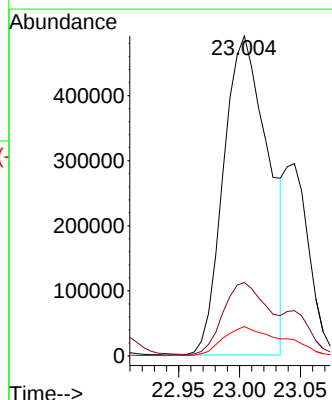
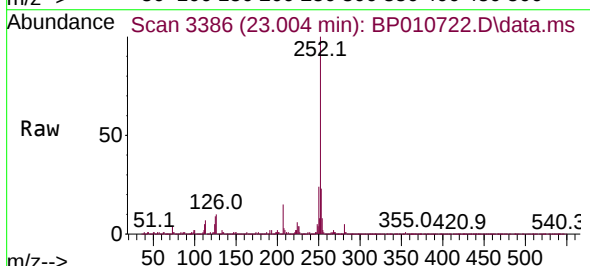
Tgt Ion:252 Resp: 1258399

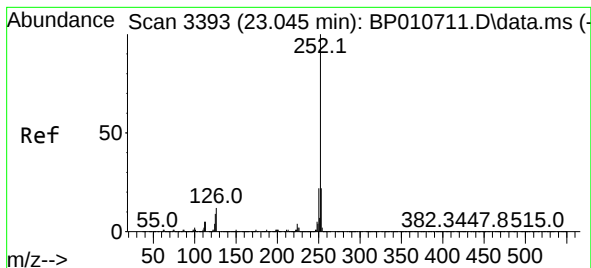
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 9.2 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 22.154 ng

RT: 23.004 min Scan# 31

Delta R.T. -0.041 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

Instrument :

BNA_P

ClientSampleId :

TP-2

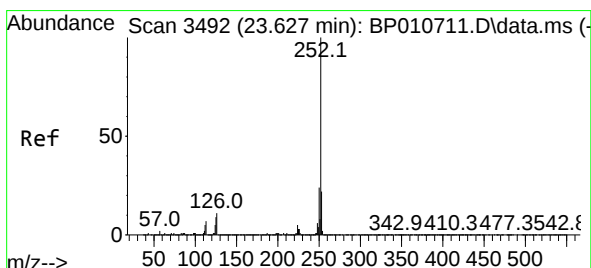
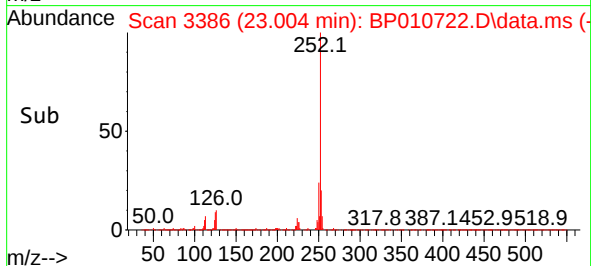
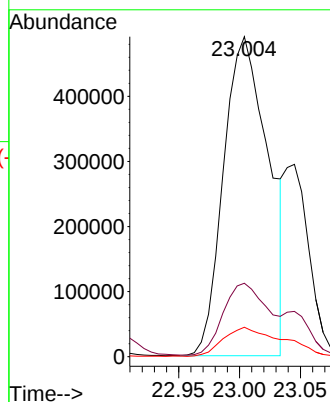
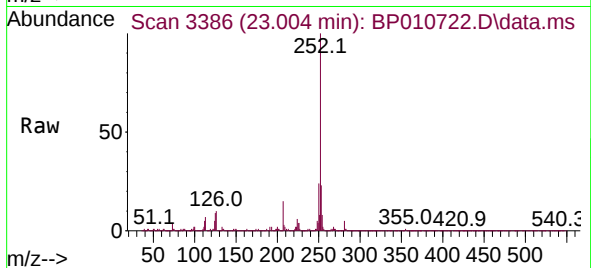
Tgt Ion:252 Resp: 1258399

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

125 9.2 7.0 10.4



#90

Benzo(a)pyrene

Concen: 19.413 ng

RT: 23.627 min Scan# 3492

Delta R.T. 0.000 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

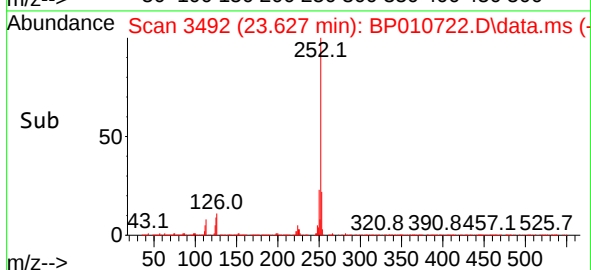
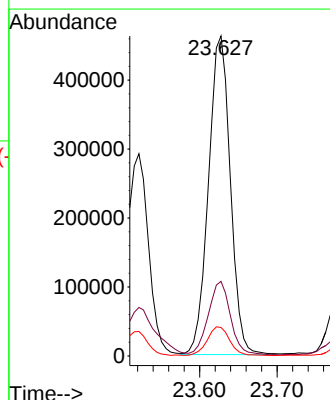
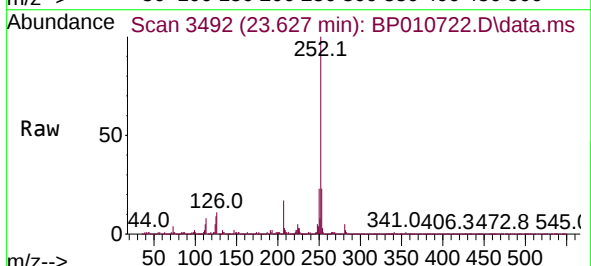
Tgt Ion:252 Resp: 905742

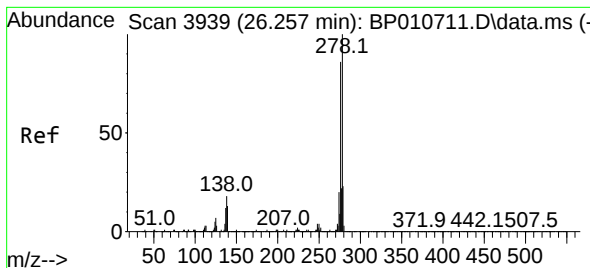
Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

125 8.9 7.9 11.9





#91

Dibenzo(a,h)anthracene

Concen: 2.558 ng

RT: 26.233 min Scan# 3939

Delta R.T. -0.023 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

Instrument :

BNA_P

ClientSampleId :

TP-2

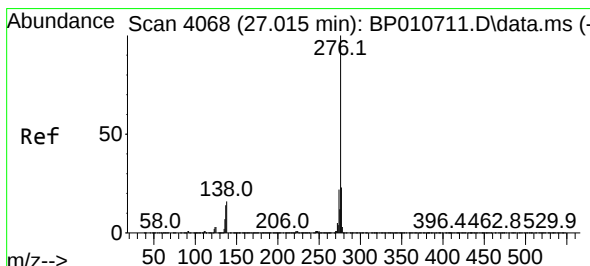
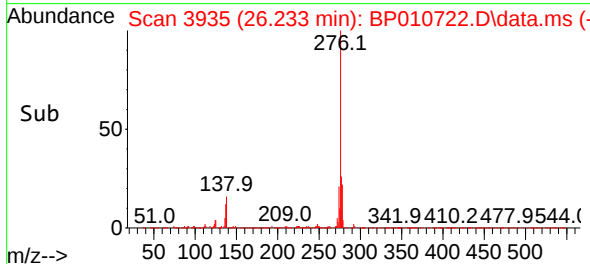
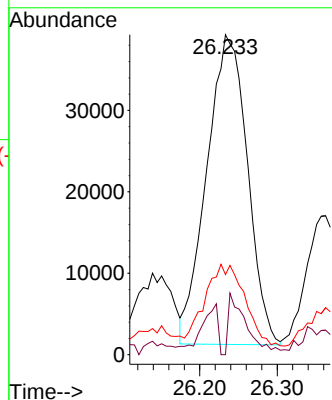
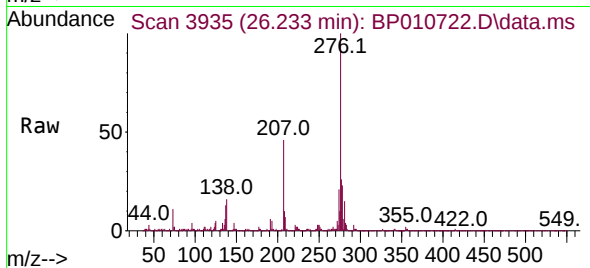
Tgt Ion:278 Resp: 139040

Ion Ratio Lower Upper

278 100

139 0.0 11.4 17.0#

279 25.0 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 8.333 ng

RT: 26.998 min Scan# 4065

Delta R.T. -0.018 min

Lab File: BP010722.D

Acq: 08 Jun 2022 12:06

Tgt Ion:276 Resp: 448983

Ion Ratio Lower Upper

276 100

277 24.2 18.7 28.1

138 16.7 15.2 22.8

