

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
 Data File : BP014118.D
 Acq On : 17 Mar 2023 13:20
 Operator : CG/JU
 Sample : 01924-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RB21136

Quant Time: Mar 18 00:23:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 18 00:19:43 2023
 Response via : Initial Calibration

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

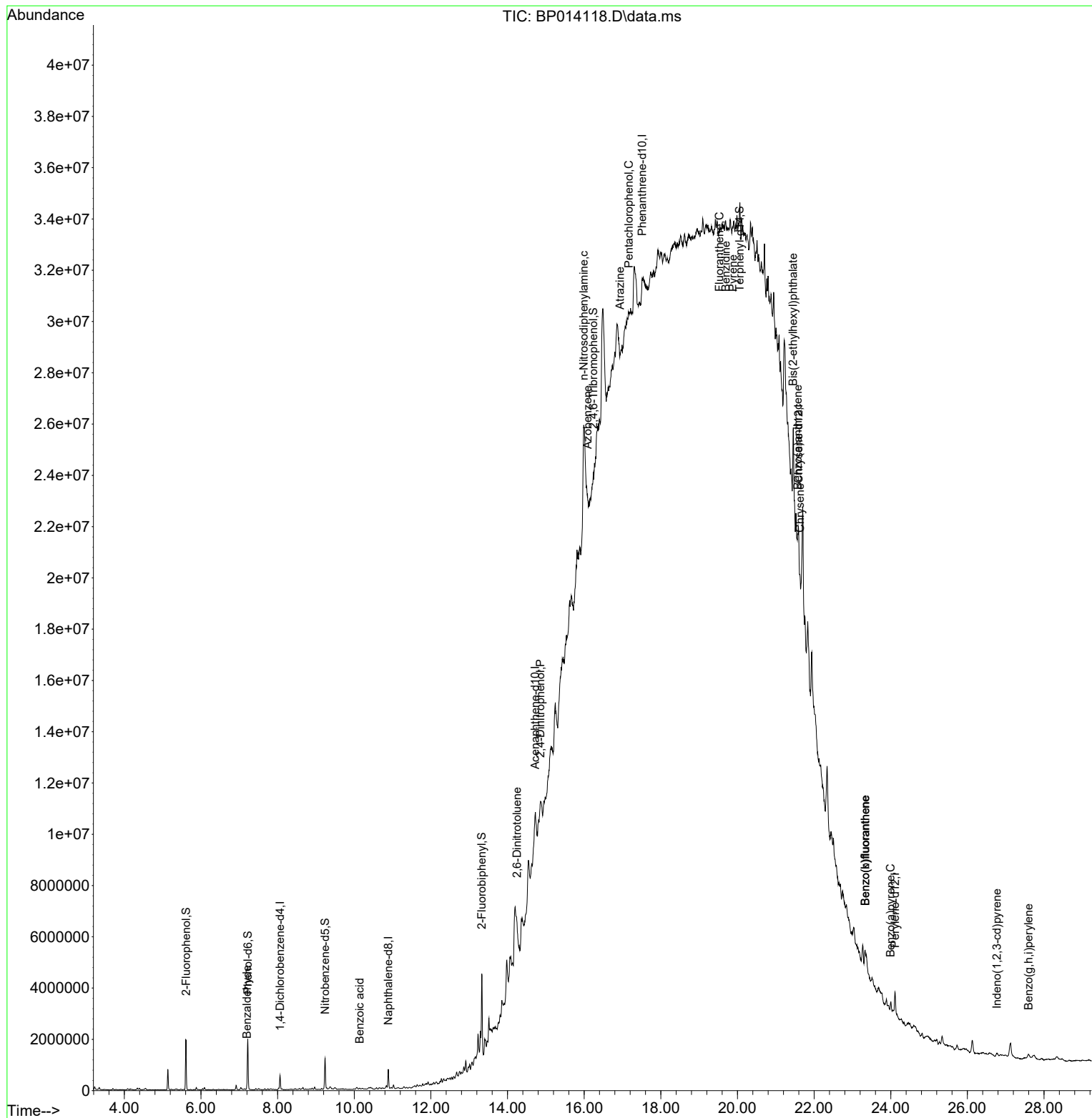
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.063	152	133352	20.000	ng	0.00
21) Naphthalene-d8	10.887	136	541612	20.000	ng	# 0.00
39) Acenaphthene-d10	14.722	164	332074	20.000	ng	# 0.01
64) Phenanthrene-d10	17.516	188	489603	20.000	ng	# 0.05
76) Chrysene-d12	21.592	240	720024	20.000	ng	# 0.04
86) Perylene-d12	24.110	264	744374	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.611	112	807138	98.159	ng	0.00
7) Phenol-d6	7.222	99	1071960	99.294	ng	0.00
23) Nitrobenzene-d5	9.240	82	691426	58.348	ng	0.00
42) 2,4,6-Tribromophenol	16.239	330	506160	94.010	ng	0.04
45) 2-Fluorobiphenyl	13.328	172	1570387	61.268	ng	0.00
79) Terphenyl-d14	20.057	244	1768290	40.496	ng	0.05
Target Compounds						Qvalue
9) Benzaldehyde	7.199	77	19979	3.698	ng	98
32) Benzoic acid	10.140	122	8477	3.827	ng	92
51) 2,6-Dinitrotoluene	14.245	165	134021	23.231	ng	# 32
54) 2,4-Dinitrophenol	14.857	184	360	3.159	ng	# 1
63) Azobenzene	16.086	77	359674	14.370	ng	# 24
66) n-Nitrosodiphenylamine	15.986	169	417031	26.955	ng	# 76
69) Atrazine	16.933	200	20382	3.752	ng	# 1
70) Pentachlorophenol	17.163	266	19213	3.838	ng	# 1
75) Fluoranthene	19.527	202	156707	4.793	ng	# 1
77) Benzidine	19.698	184	4431	3.086	ng	# 1
78) Pyrene	19.886	202	161395	2.920	ng	# 1
81) Benzo(a)anthracene	21.574	228	129918	2.459	ng	# 54
83) Chrysene	21.633	228	182596	3.650	ng	# 60
84) Bis(2-ethylhexyl)phtha...	21.451	149	444978	14.477	ng	# 80
87) Indeno(1,2,3-cd)pyrene	26.768	276	147765	2.569	ng	99
88) Benzo(b)fluoranthene	23.333	252	266423	5.466	ng	# 63
89) Benzo(k)fluoranthene	23.333	252	266423	5.513	ng	# 63
90) Benzo(a)pyrene	23.998	252	153228	3.296	ng	# 69
92) Benzo(g,h,i)perylene	27.598	276	210184	4.436	ng	94

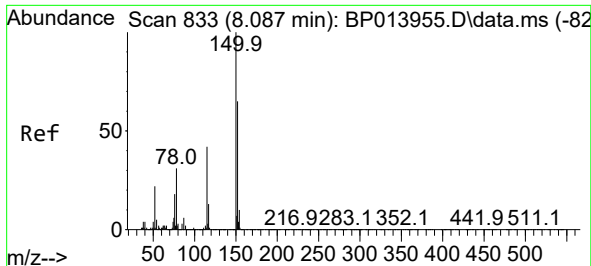
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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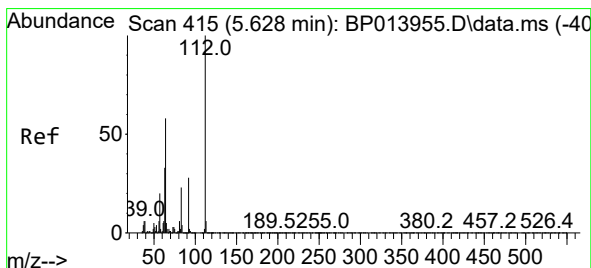
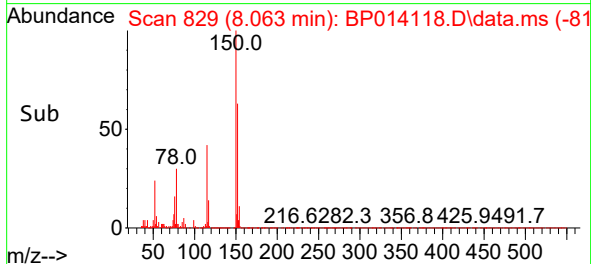
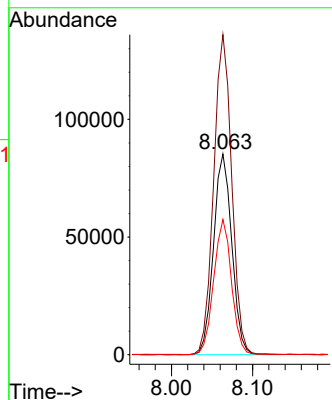
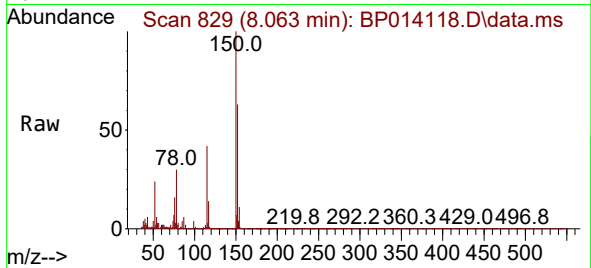




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.063 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP014118.D
Acq: 17 Mar 2023 13:20

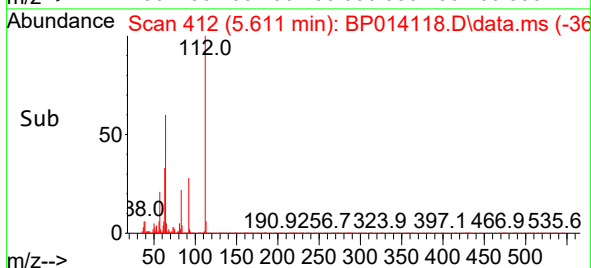
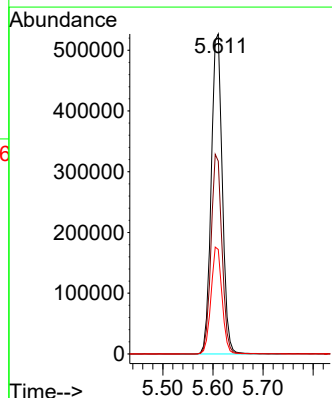
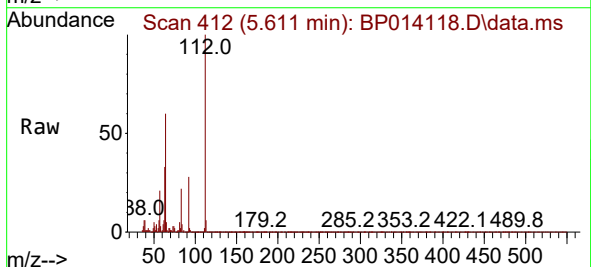
Instrument :
BNA_P
ClientSampleId :
RB21136

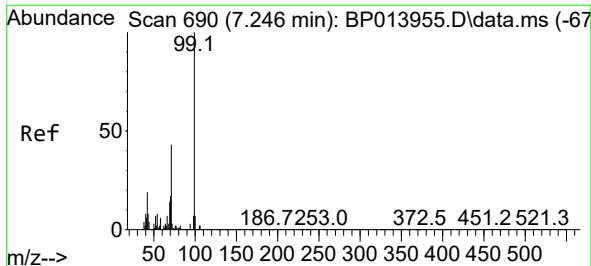
Tgt Ion:152 Resp: 133352
Ion Ratio Lower Upper
152 100
150 159.5 122.3 183.5
115 67.4 51.6 77.4



#5
2-Fluorophenol
Concen: 98.159 ng
RT: 5.611 min Scan# 412
Delta R.T. 0.006 min
Lab File: BP014118.D
Acq: 17 Mar 2023 13:20

Tgt Ion:112 Resp: 807138
Ion Ratio Lower Upper
112 100
64 60.3 46.7 70.1
63 32.7 26.6 40.0

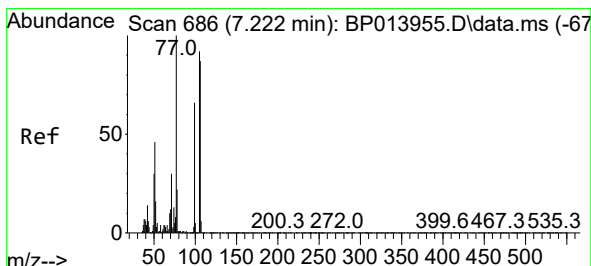
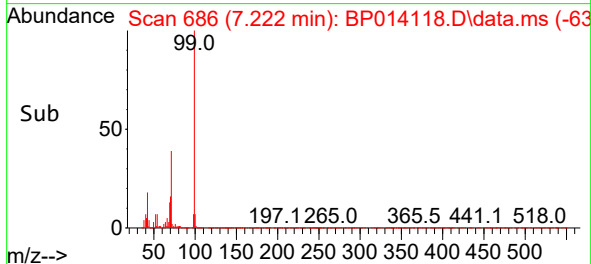
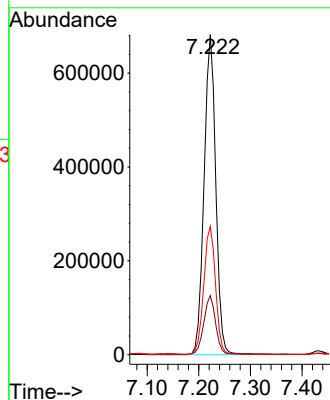
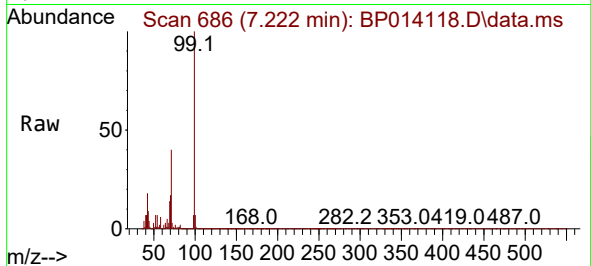




#7
Phenol-d6
Concen: 99.294 ng
RT: 7.222 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP014118.D
Acq: 17 Mar 2023 13:20

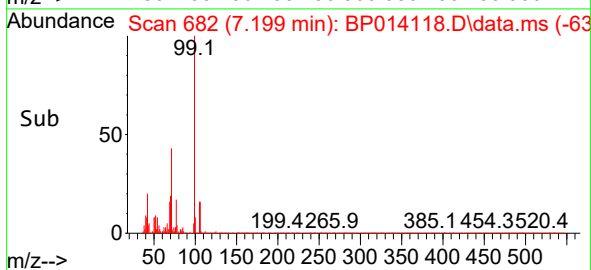
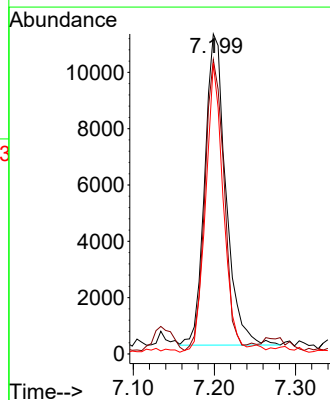
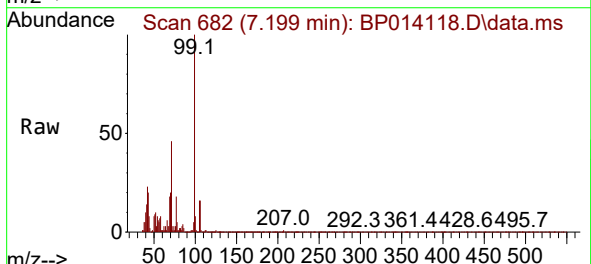
Instrument :
BNA_P
ClientSampleId :
RB21136

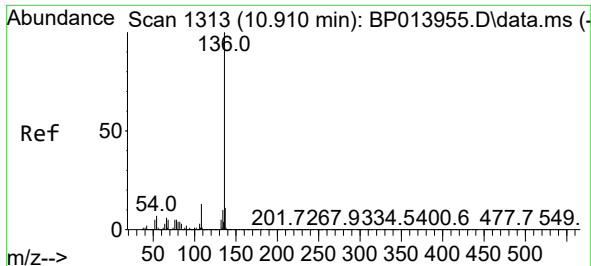
Tgt Ion: 99 Resp: 1071960
Ion Ratio Lower Upper
99 100
42 18.5 15.0 22.6
71 40.0 34.3 51.5



#9
Benzaldehyde
Concen: 3.698 ng
RT: 7.199 min Scan# 682
Delta R.T. -0.000 min
Lab File: BP014118.D
Acq: 17 Mar 2023 13:20

Tgt Ion: 77 Resp: 19979
Ion Ratio Lower Upper
77 100
105 91.9 72.4 112.4
106 90.8 66.9 106.9

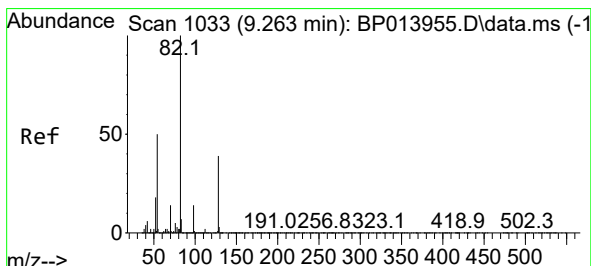
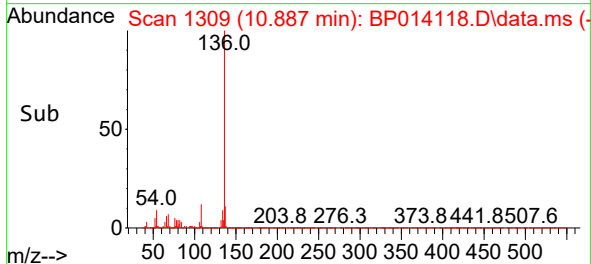
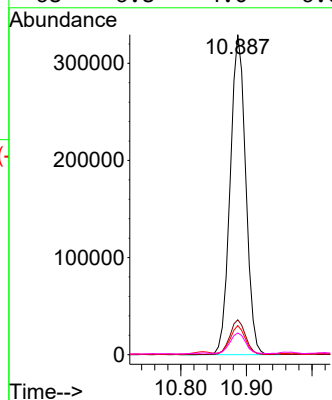
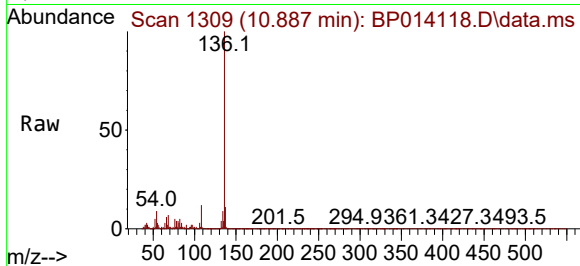




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.887 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP014118.D
Acq: 17 Mar 2023 13:20

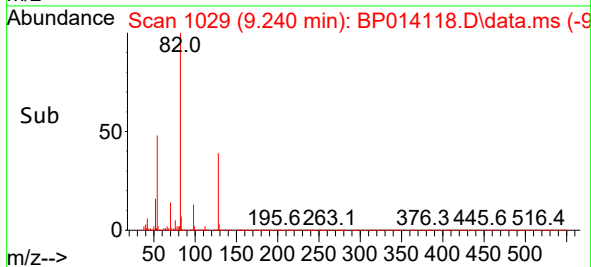
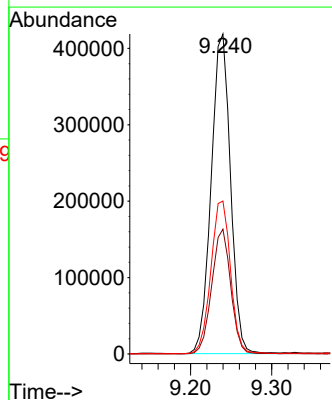
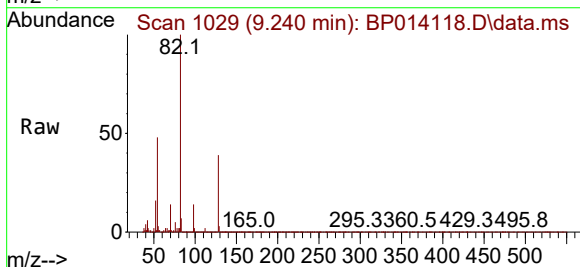
Instrument :
BNA_P
ClientSampleId :
RB21136

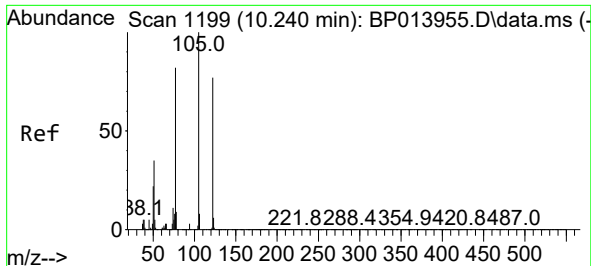
Tgt Ion:136 Resp: 541612
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 9.1 5.8 8.8#
68 6.8 4.0 6.0#



#23
Nitrobenzene-d5
Concen: 58.348 ng
RT: 9.240 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BP014118.D
Acq: 17 Mar 2023 13:20

Tgt Ion: 82 Resp: 691426
Ion Ratio Lower Upper
82 100
128 39.0 31.1 46.7
54 47.8 40.0 60.0

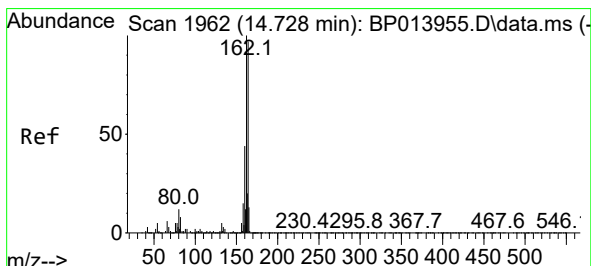
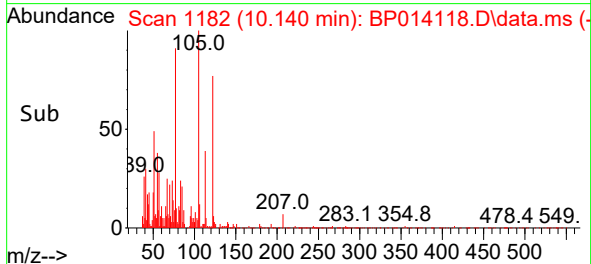
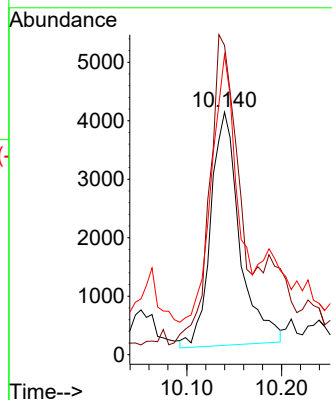
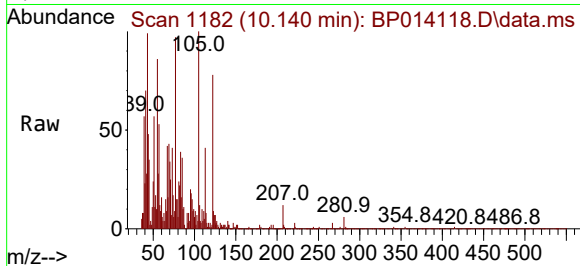




#32
Benzoic acid
Concen: 3.827 ng
RT: 10.140 min Scan# 1199
Delta R.T. -0.088 min
Lab File: BP014118.D
Acq: 17 Mar 2023 13:20

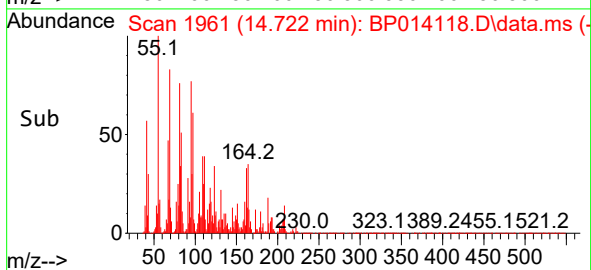
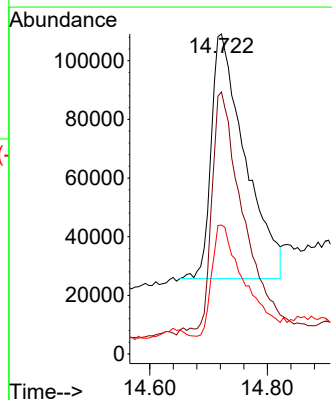
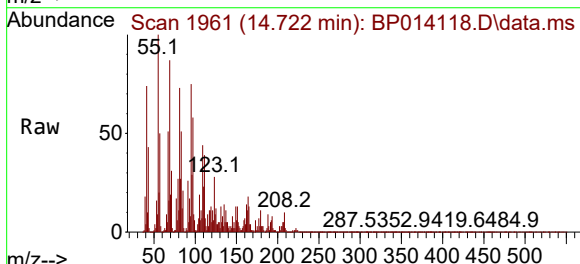
Instrument :
BNA_P
ClientSampleId :
RB21136

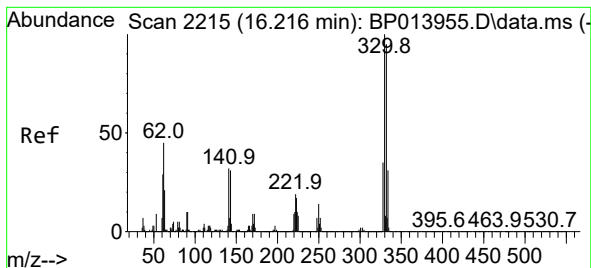
Tgt Ion:	122	Resp:	8477
Ion	Ratio	Lower	Upper
122	100		
105	127.5	108.2	148.2
77	123.7	85.2	125.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.722 min Scan# 1961
Delta R.T. 0.012 min
Lab File: BP014118.D
Acq: 17 Mar 2023 13:20

Tgt Ion:	164	Resp:	332074
Ion	Ratio	Lower	Upper
164	100		
162	81.9	82.1	123.1#
160	40.3	36.2	54.2





#42

2,4,6-Tribromophenol

Concen: 94.010 ng

RT: 16.239 min Scan# 21

Delta R.T. 0.035 min

Lab File: BP014118.D

Acq: 17 Mar 2023 13:20

Instrument :

BNA_P

ClientSampleId :

RB21136

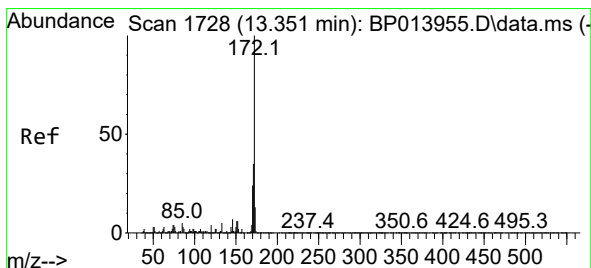
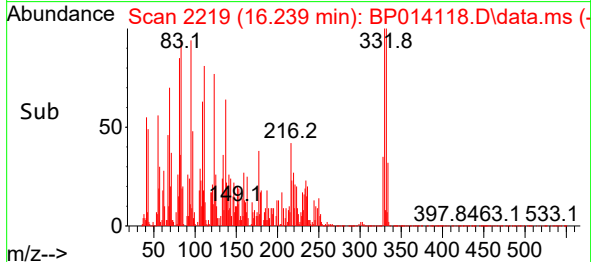
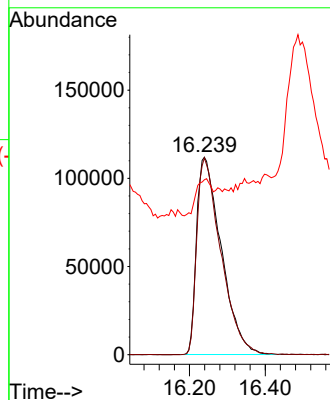
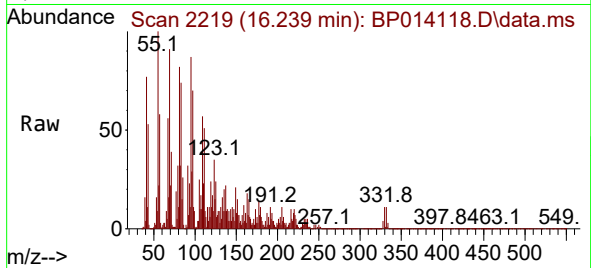
Tgt Ion:330 Resp: 506160

Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

141 11.0 25.6 38.4#



#45

2-Fluorobiphenyl

Concen: 61.268 ng

RT: 13.328 min Scan# 1724

Delta R.T. -0.006 min

Lab File: BP014118.D

Acq: 17 Mar 2023 13:20

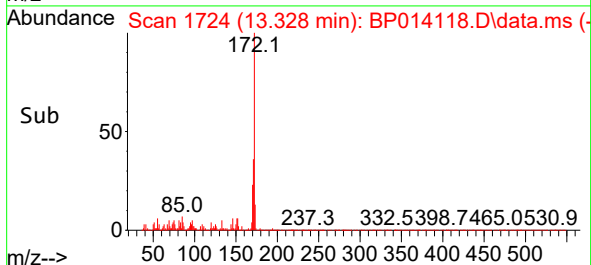
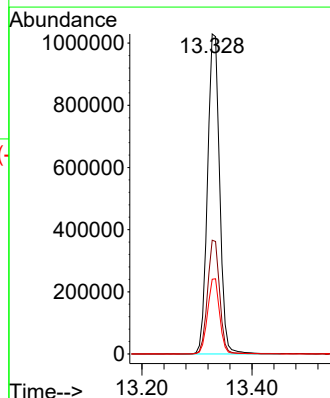
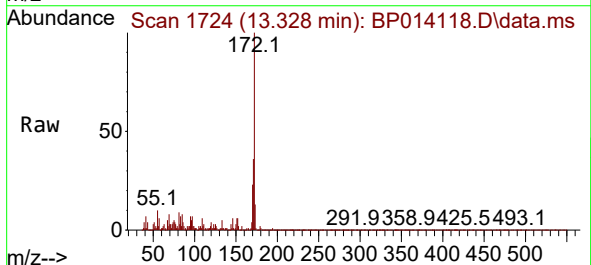
Tgt Ion:172 Resp: 1570387

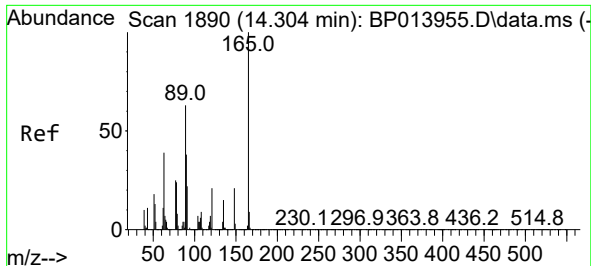
Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.4 19.0 28.4

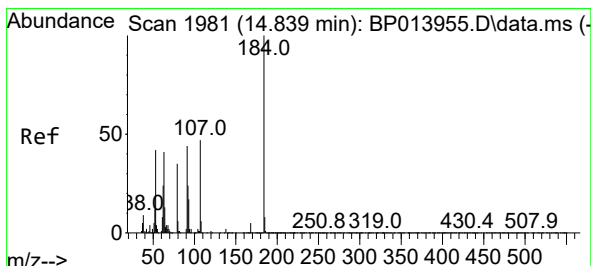
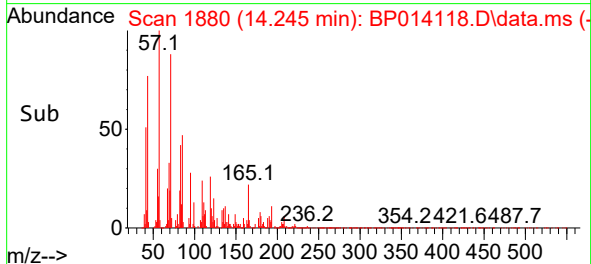
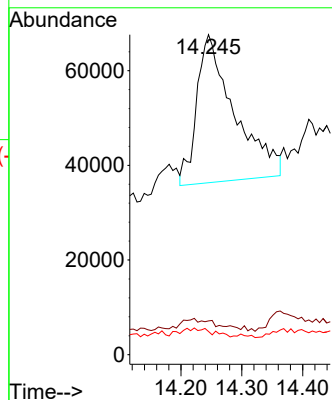
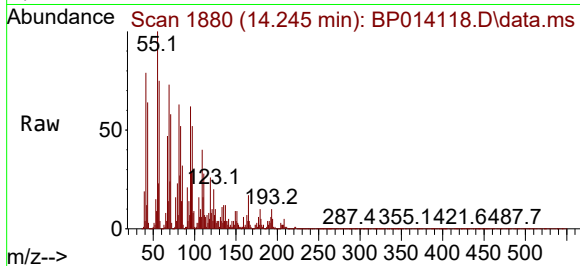




#51
2,6-Dinitrotoluene
Concen: 23.231 ng
RT: 14.245 min Scan# 1890
Delta R.T. -0.041 min
Lab File: BP014118.D
Acq: 17 Mar 2023 13:20

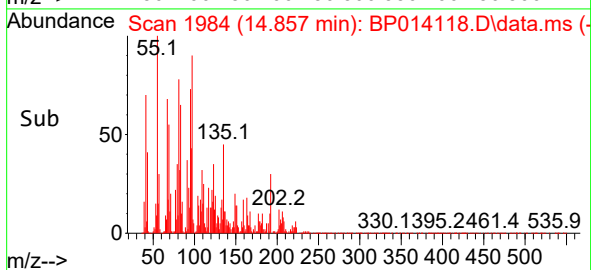
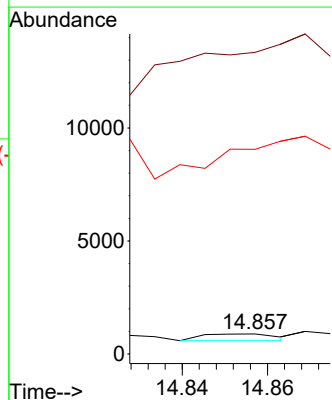
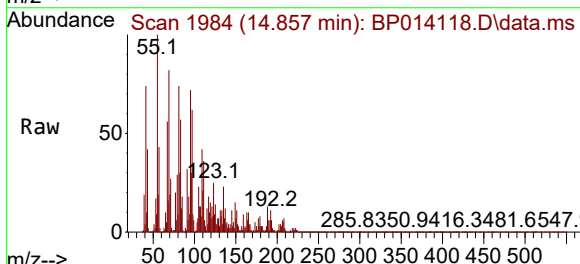
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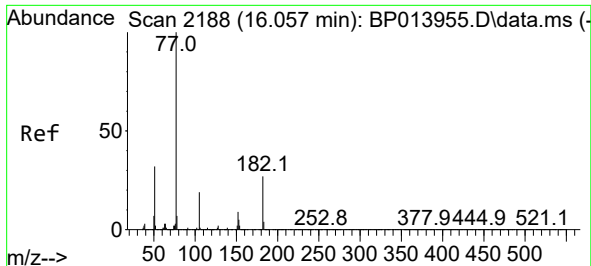
Tgt Ion:165 Resp: 134021
Ion Ratio Lower Upper
165 100
63 10.6 46.7 70.1#
89 7.2 50.8 76.2#



#54
2,4-Dinitrophenol
Concen: 3.159 ng
RT: 14.857 min Scan# 1984
Delta R.T. 0.035 min
Lab File: BP014118.D
Acq: 17 Mar 2023 13:20

Tgt Ion:184 Resp: 360
Ion Ratio Lower Upper
184 100
63 1508.4 52.4 78.6#
154 1023.3 59.4 89.2#

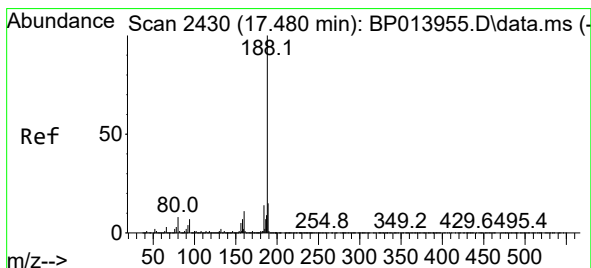
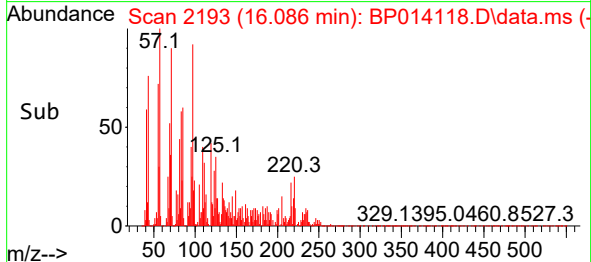
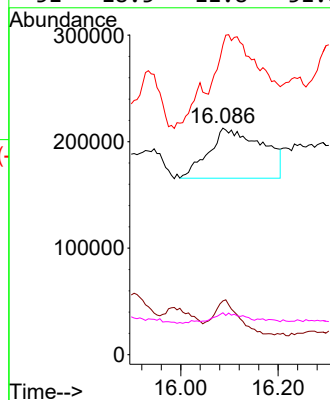
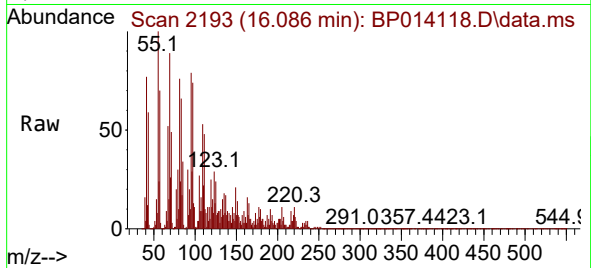




#63
Azobenzene
Concen: 14.370 ng
RT: 16.086 min Scan# 2188
Delta R.T. 0.047 min
Lab File: BP014118.D
Acq: 17 Mar 2023 13:20

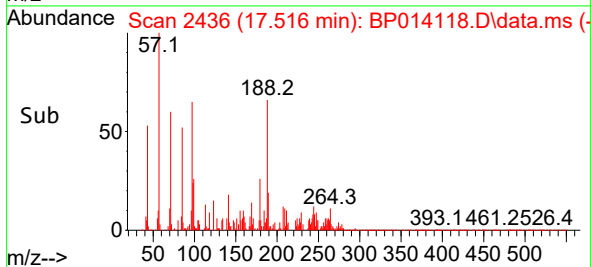
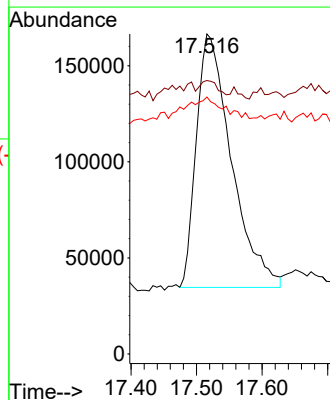
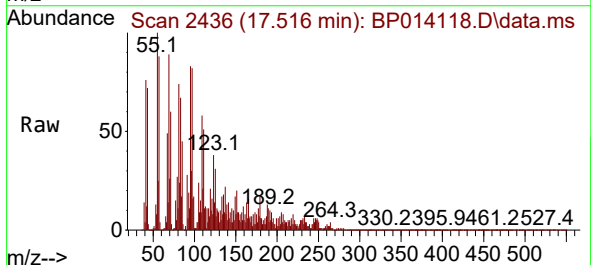
Instrument :
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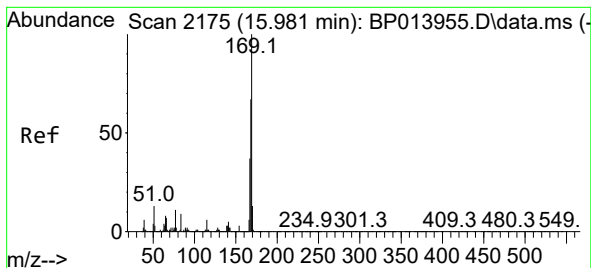
Tgt Ion: 77 Resp: 359674
Ion Ratio Lower Upper
77 100
182 23.8 6.9 46.9
105 136.7 0.0 39.4#
51 18.5 11.8 51.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.516 min Scan# 2436
Delta R.T. 0.047 min
Lab File: BP014118.D
Acq: 17 Mar 2023 13:20

Tgt Ion:188 Resp: 489603
Ion Ratio Lower Upper
188 100
94 85.5 5.8 8.6#
80 80.3 6.6 9.8#





#66

n-Nitrosodiphenylamine

Concen: 26.955 ng

RT: 15.986 min Scan# 2175

Delta R.T. 0.023 min

Lab File: BP014118.D

Acq: 17 Mar 2023 13:20

Instrument :

BNA_P

ClientSampleId :

RB21136

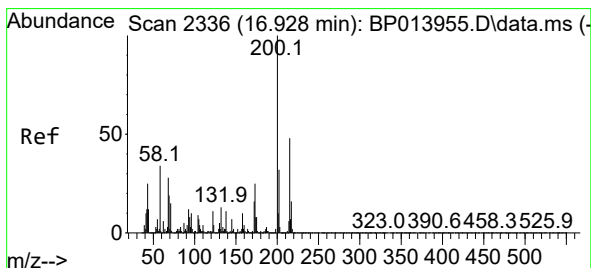
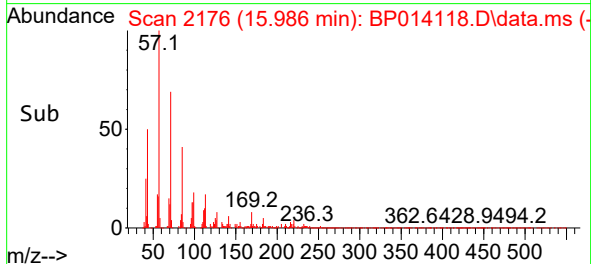
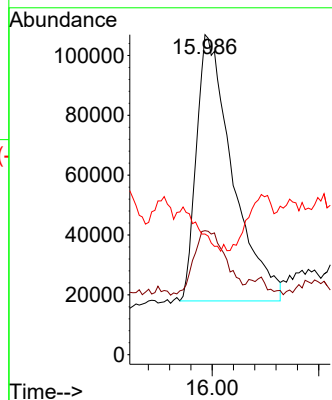
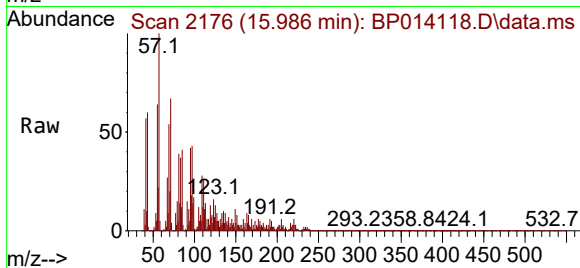
Tgt Ion:169 Resp: 417031

Ion Ratio Lower Upper

169 100

168 38.8 54.0 81.0#

167 37.7 29.4 44.2



#69

Atrazine

Concen: 3.752 ng

RT: 16.933 min Scan# 2337

Delta R.T. 0.012 min

Lab File: BP014118.D

Acq: 17 Mar 2023 13:20

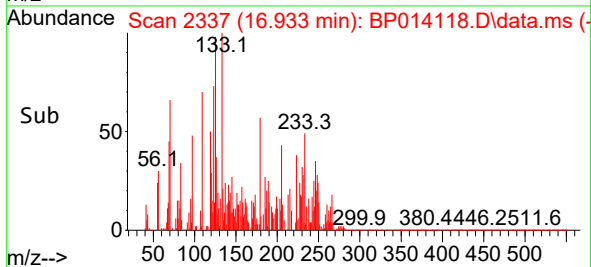
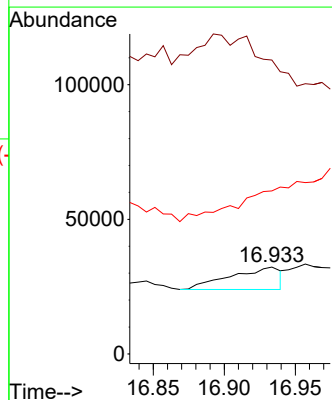
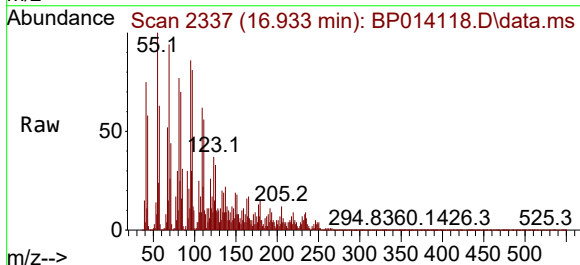
Tgt Ion:200 Resp: 20382

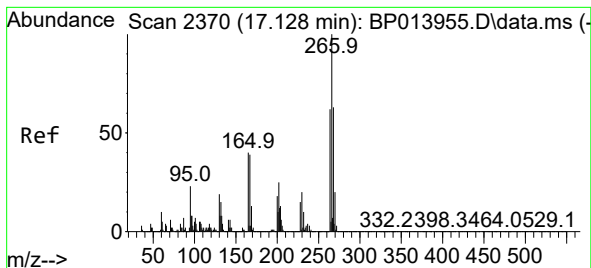
Ion Ratio Lower Upper

200 100

173 338.0 5.5 45.5#

215 187.6 27.9 67.9#





#70

Pentachlorophenol

Concen: 3.838 ng

RT: 17.163 min Scan# 21

Delta R.T. 0.047 min

Lab File: BP014118.D

Acq: 17 Mar 2023 13:20

Instrument :

BNA_P

ClientSampleId :

RB21136

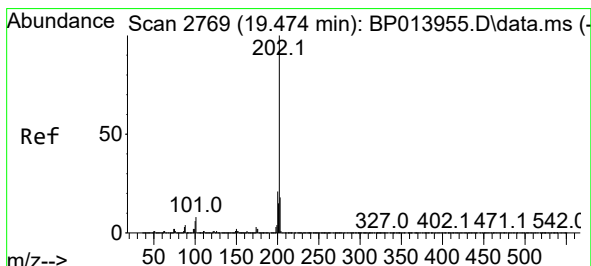
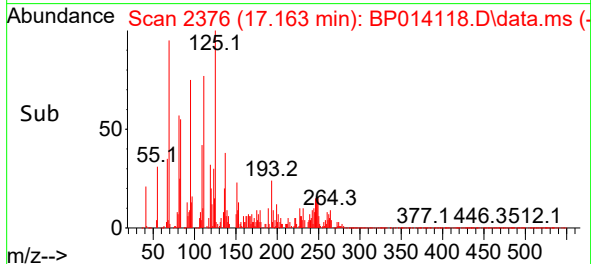
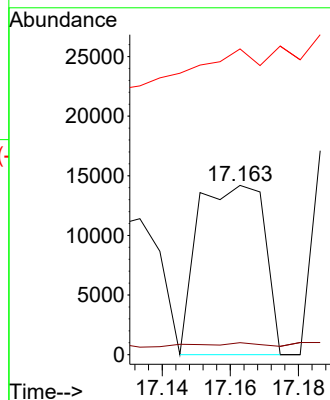
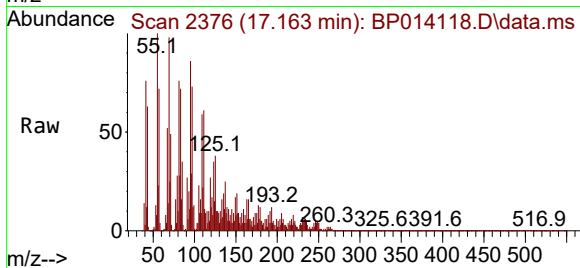
Tgt Ion:266 Resp: 19213

Ion Ratio Lower Upper

266 100

268 7.1 50.4 75.6#

264 180.7 49.2 73.8#



#75

Fluoranthene

Concen: 4.793 ng

RT: 19.527 min Scan# 2778

Delta R.T. 0.065 min

Lab File: BP014118.D

Acq: 17 Mar 2023 13:20

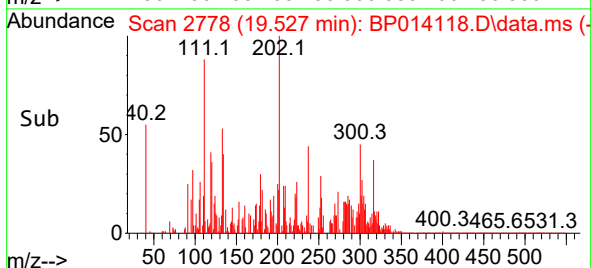
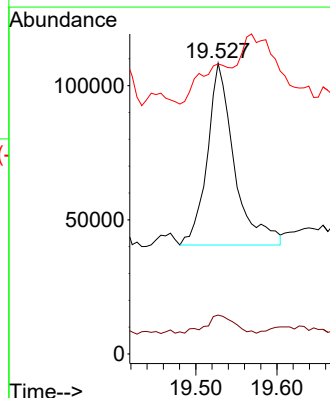
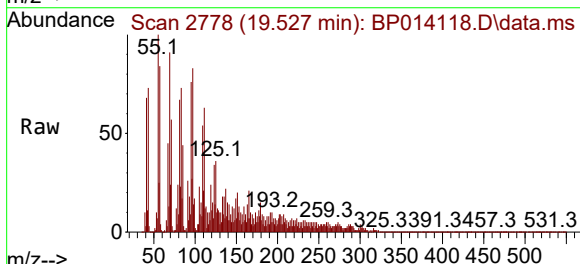
Tgt Ion:202 Resp: 156707

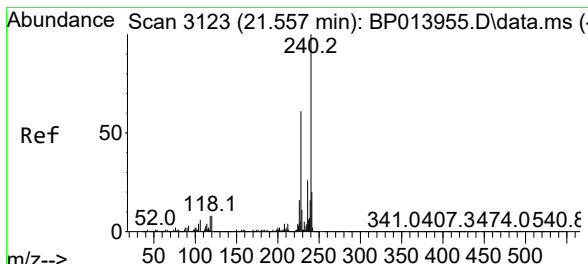
Ion Ratio Lower Upper

202 100

101 13.4 0.0 27.9

203 99.8 0.0 37.7#



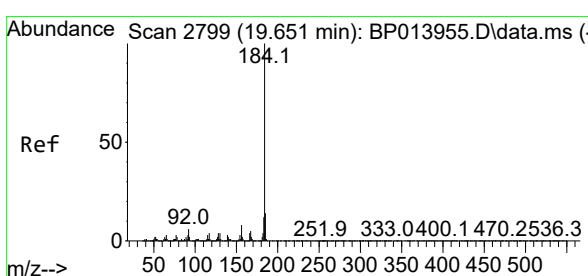
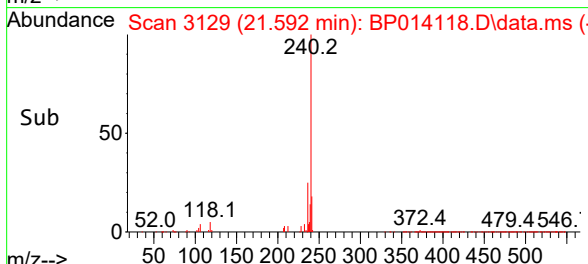
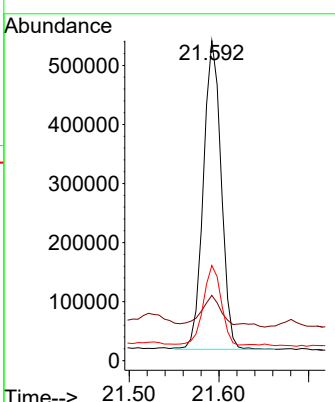
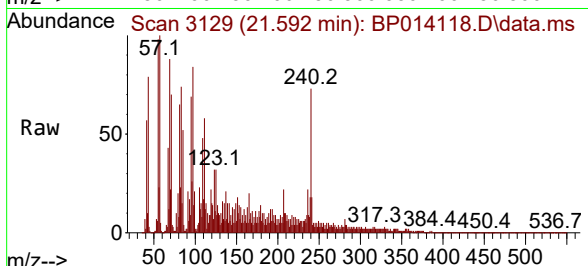


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.592 min Scan# 3123
 Delta R.T. 0.041 min
 Lab File: BP014118.D
 Acq: 17 Mar 2023 13:20

Instrument :
 BNA_P
 ClientSampleId :
 RB21136

Tgt Ion: 240 Resp: 720024

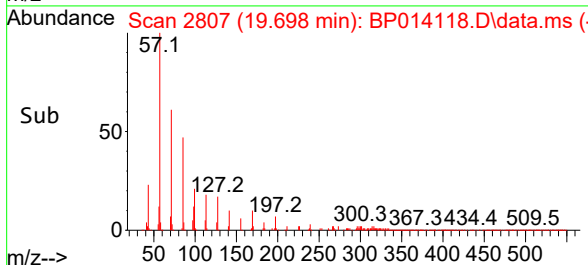
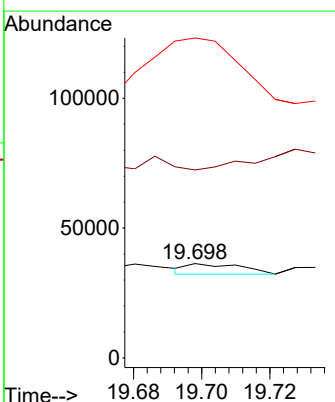
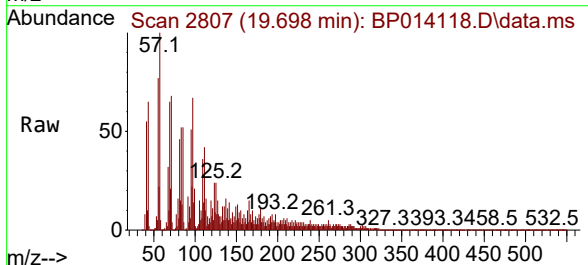
Ion	Ratio	Lower	Upper
240	100		
120	20.4	6.4	9.6#
236	29.7	21.2	31.8

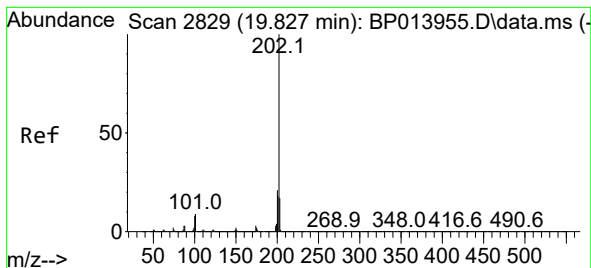


#77
 Benzidine
 Concen: 3.086 ng
 RT: 19.698 min Scan# 2807
 Delta R.T. 0.053 min
 Lab File: BP014118.D
 Acq: 17 Mar 2023 13:20

Tgt Ion: 184 Resp: 4431

Ion	Ratio	Lower	Upper
184	100		
185	199.3	11.6	17.4#
183	339.2	9.7	14.5#





#78

Pyrene

Concen: 2.920 ng

RT: 19.886 min Scan# 2

Delta R.T. 0.065 min

Lab File: BP014118.D

Acq: 17 Mar 2023 13:20

Instrument :

BNA_P

ClientSampleId :

RB21136

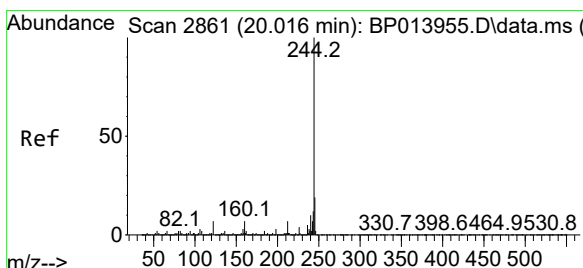
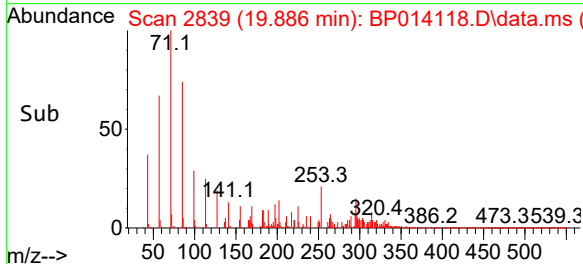
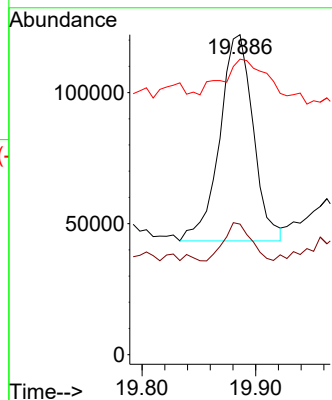
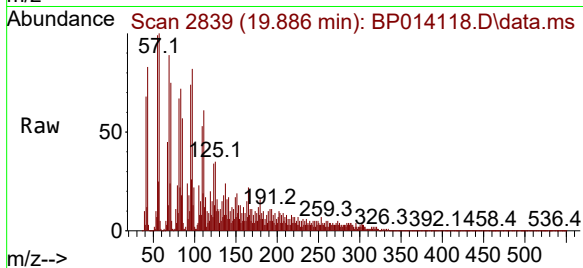
Tgt Ion:202 Resp: 161395

Ion Ratio Lower Upper

202 100

200 40.8 16.9 25.3#

203 92.3 13.9 20.9#



#79

Terphenyl-d14

Concen: 40.496 ng

RT: 20.057 min Scan# 2868

Delta R.T. 0.053 min

Lab File: BP014118.D

Acq: 17 Mar 2023 13:20

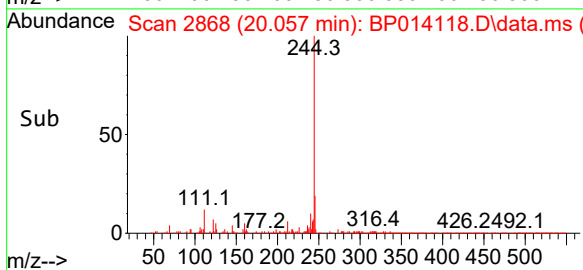
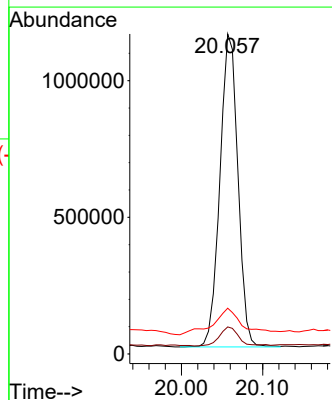
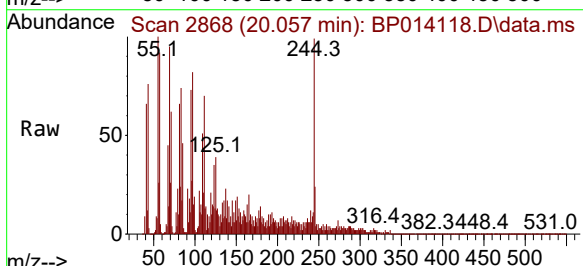
Tgt Ion:244 Resp: 1768290

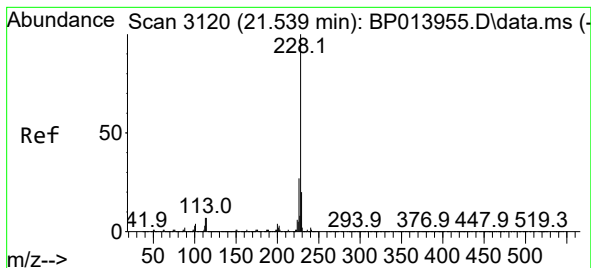
Ion Ratio Lower Upper

244 100

212 8.4 6.0 9.0

122 14.3 5.8 8.6#





#81

Benzo(a)anthracene

Concen: 2.459 ng

RT: 21.574 min Scan# 3126

Delta R.T. 0.041 min

Lab File: BP014118.D

Acq: 17 Mar 2023 13:20

Instrument :

BNA_P

ClientSampleId :

RB21136

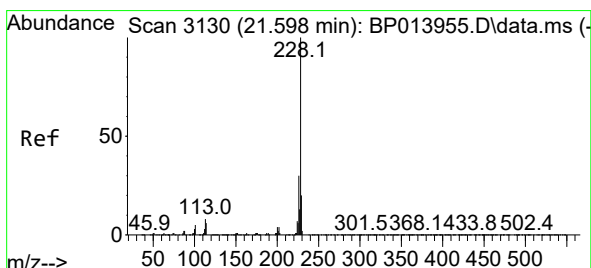
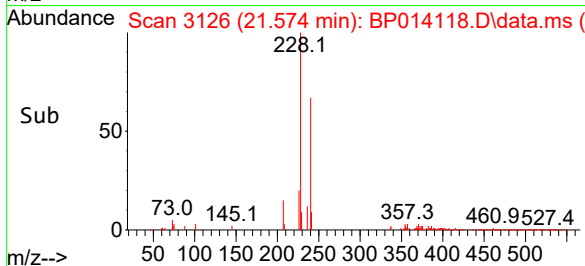
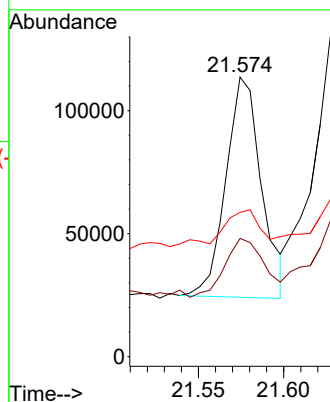
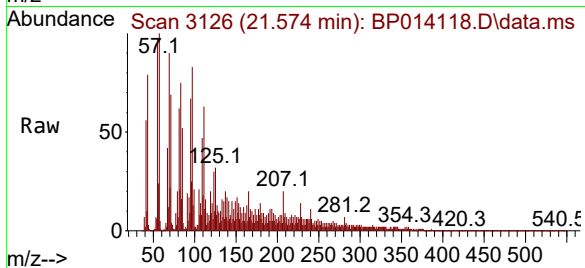
Tgt Ion:228 Resp: 129918

Ion Ratio Lower Upper

228 100

226 42.3 21.8 32.8#

229 51.6 15.8 23.6#



#83

Chrysene

Concen: 3.650 ng

RT: 21.633 min Scan# 3136

Delta R.T. 0.041 min

Lab File: BP014118.D

Acq: 17 Mar 2023 13:20

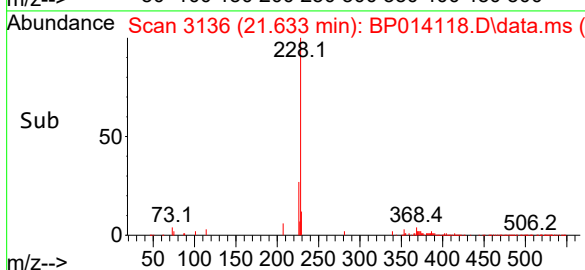
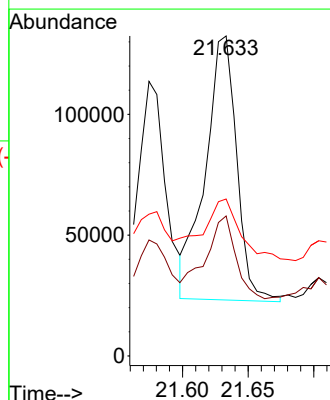
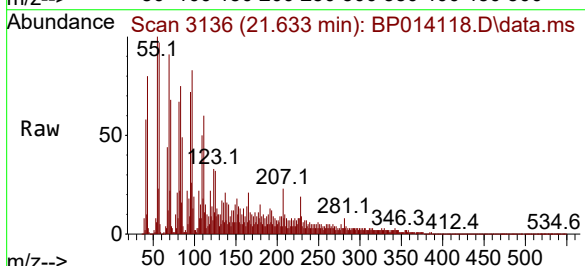
Tgt Ion:228 Resp: 182596

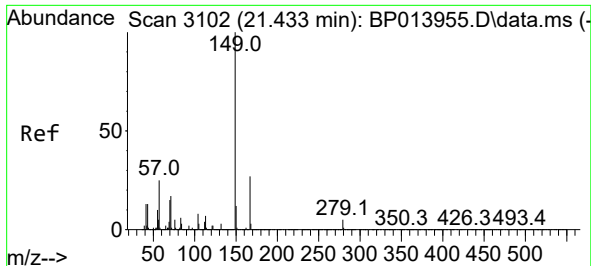
Ion Ratio Lower Upper

228 100

226 43.8 24.2 36.4#

229 49.0 15.8 23.8#

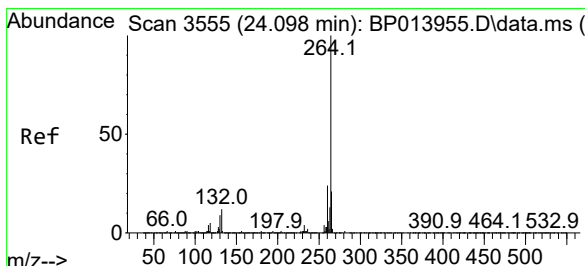
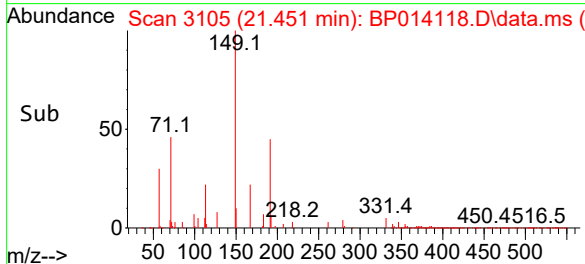
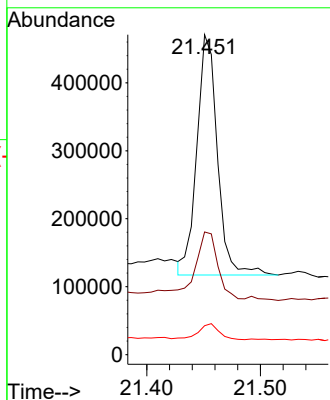
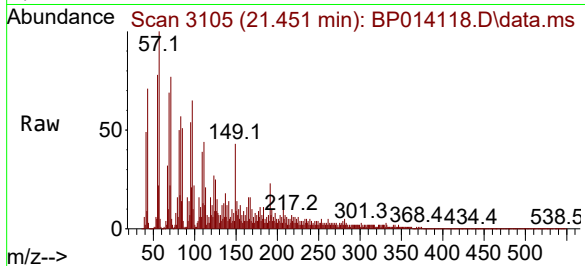




#84
Bis(2-ethylhexyl)phthalate
Concen: 14.477 ng
RT: 21.451 min Scan# 3102
Delta R.T. 0.023 min
Lab File: BP014118.D
Acq: 17 Mar 2023 13:20

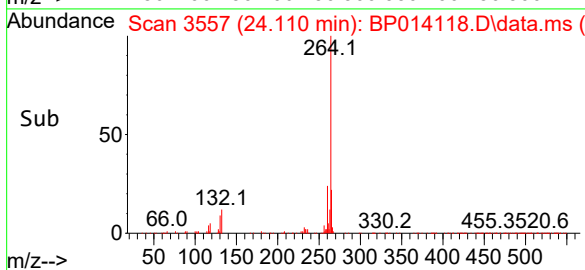
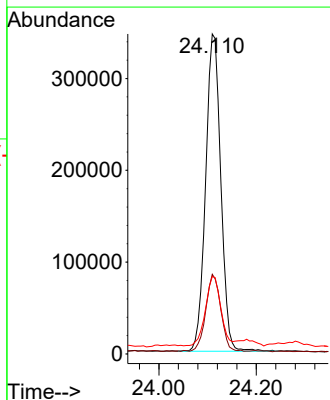
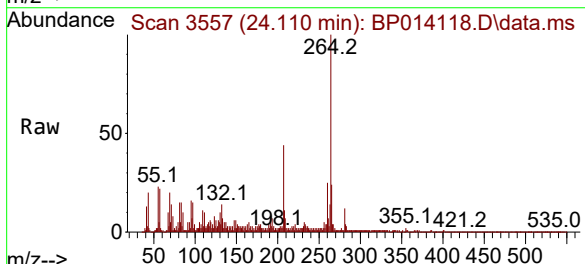
Instrument :
BNA_P
ClientSampleId :
RB21136

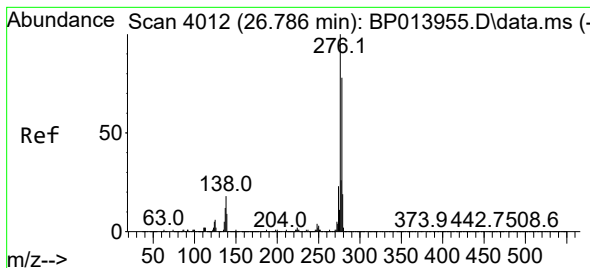
Tgt Ion:149 Resp: 444978
Ion Ratio Lower Upper
149 100
167 38.4 21.8 32.6#
279 9.1 4.0 6.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.110 min Scan# 3557
Delta R.T. 0.023 min
Lab File: BP014118.D
Acq: 17 Mar 2023 13:20

Tgt Ion:264 Resp: 744374
Ion Ratio Lower Upper
264 100
260 24.9 19.4 29.2
265 24.2 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.569 ng

RT: 26.768 min Scan# 4012

Delta R.T. 0.006 min

Lab File: BP014118.D

Acq: 17 Mar 2023 13:20

Instrument :

BNA_P

ClientSampleId :

RB21136

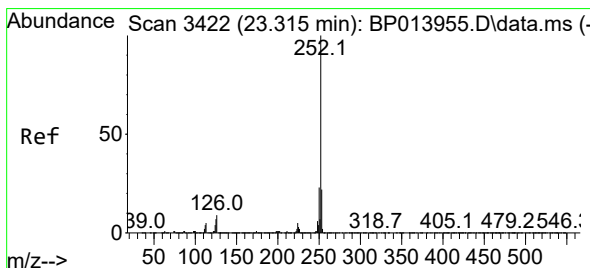
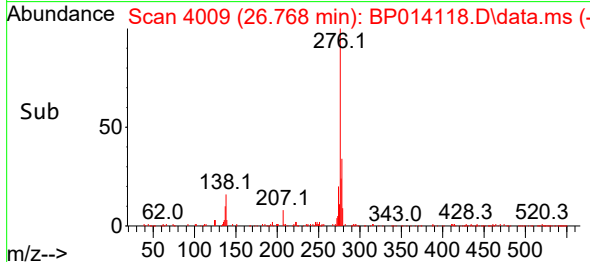
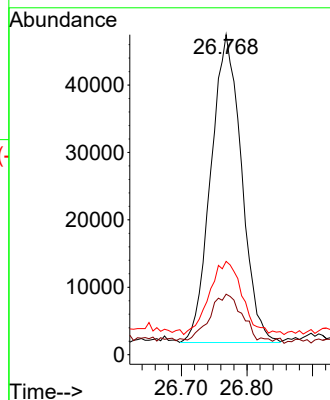
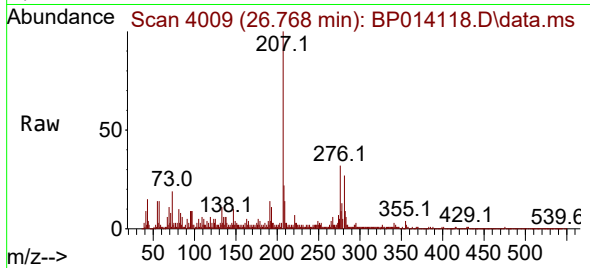
Tgt Ion:276 Resp: 147765

Ion Ratio Lower Upper

276 100

138 16.1 13.8 20.8

277 25.6 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 5.466 ng

RT: 23.333 min Scan# 3425

Delta R.T. 0.023 min

Lab File: BP014118.D

Acq: 17 Mar 2023 13:20

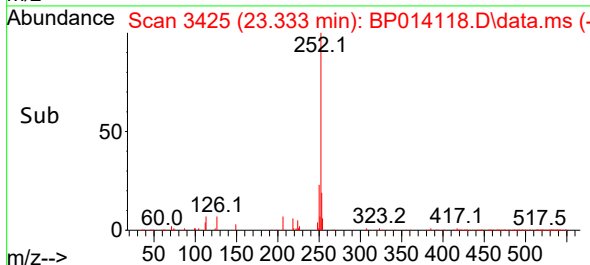
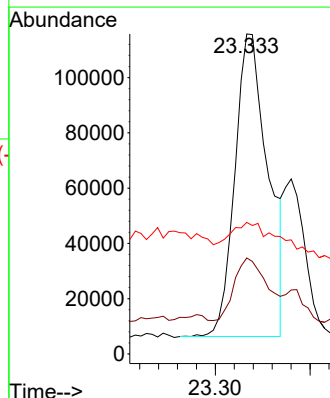
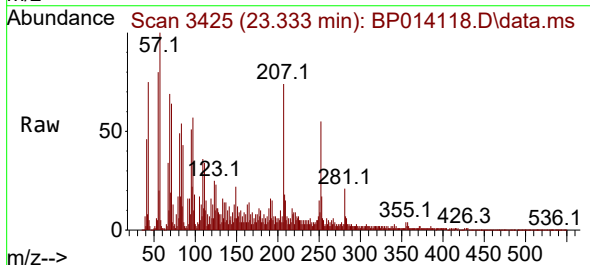
Tgt Ion:252 Resp: 266423

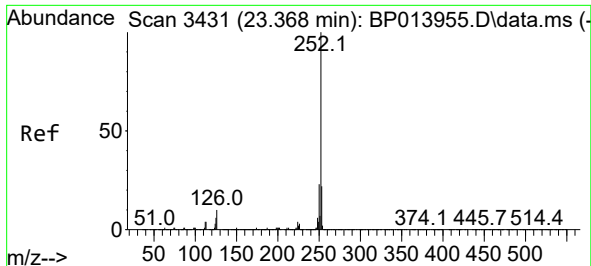
Ion Ratio Lower Upper

252 100

253 30.0 17.5 26.3#

125 41.1 5.6 8.4#

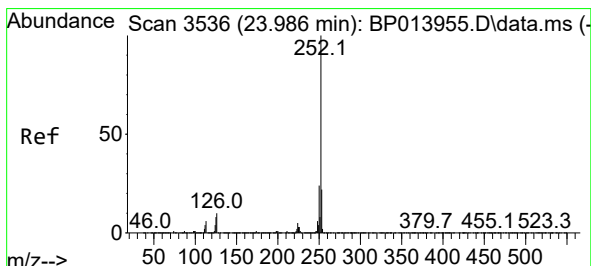
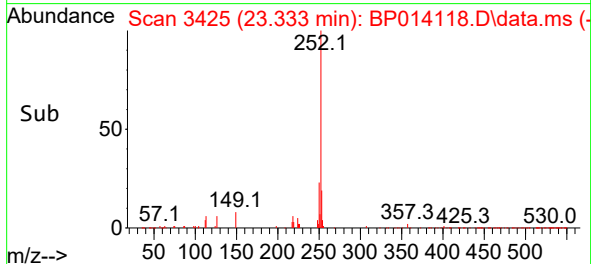
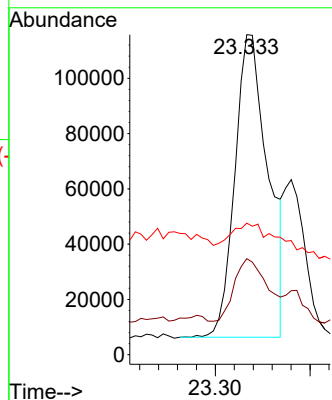
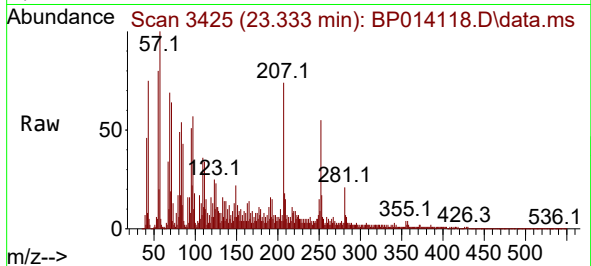




#89
Benzo(k)fluoranthene
Concen: 5.513 ng
RT: 23.333 min Scan# 34
Delta R.T. -0.030 min
Lab File: BP014118.D
Acq: 17 Mar 2023 13:20

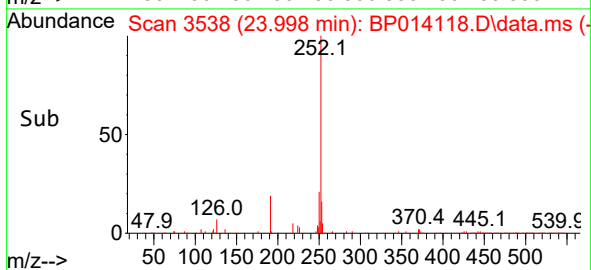
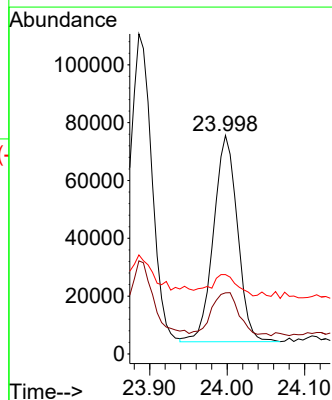
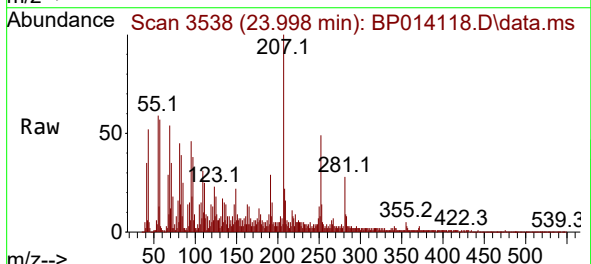
Instrument :
BNA_P
ClientSampleId :
RB21136

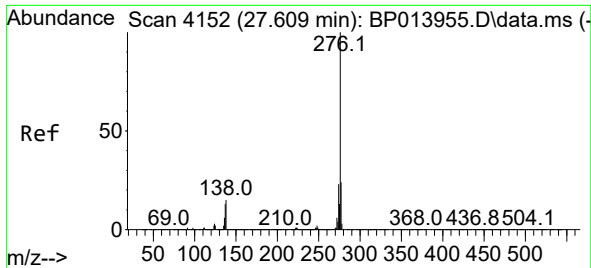
Tgt Ion:252 Resp: 266423
Ion Ratio Lower Upper
252 100
253 30.0 17.4 26.0#
125 41.1 5.4 8.0#



#90
Benzo(a)pyrene
Concen: 3.296 ng
RT: 23.998 min Scan# 3538
Delta R.T. 0.023 min
Lab File: BP014118.D
Acq: 17 Mar 2023 13:20

Tgt Ion:252 Resp: 153228
Ion Ratio Lower Upper
252 100
253 27.9 17.4 26.2#
125 36.3 6.2 9.4#





#92
 Benzo(g,h,i)perylene
 Concen: 4.436 ng
 RT: 27.598 min Scan# 4150
 Delta R.T. 0.012 min
 Lab File: BP014118.D
 Acq: 17 Mar 2023 13:20

Instrument :
 BNA_P
 ClientSampleId :
 RB21136

Tgt Ion:276 Resp: 210184
 Ion Ratio Lower Upper
 276 100
 277 28.5 19.4 29.0
 138 15.9 12.2 18.4

