

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
 Data File : BP014123.D
 Acq On : 17 Mar 2023 16:25
 Operator : CG/JU
 Sample : 01944-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MC-1

Quant Time: Mar 18 00:24:48 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)

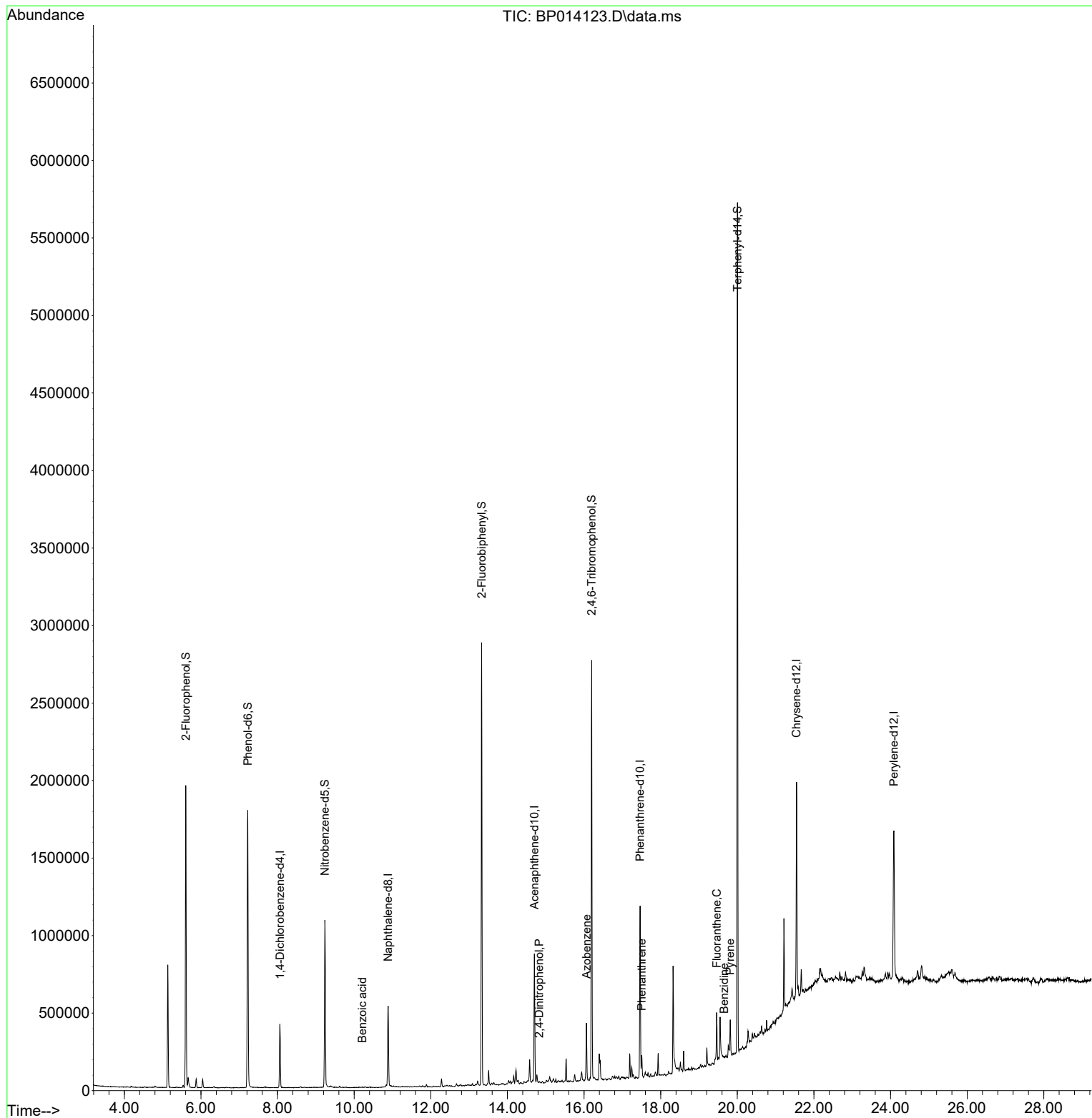
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.063	152	108657	20.000	ng	0.00
21) Naphthalene-d8	10.886	136	415318	20.000	ng	0.00
39) Acenaphthene-d10	14.704	164	269043	20.000	ng	0.00
64) Phenanthrene-d10	17.463	188	638372	20.000	ng	0.00
76) Chrysene-d12	21.545	240	678440	20.000	ng	0.00
86) Perylene-d12	24.086	264	801623	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	767666	114.577	ng	0.00
7) Phenol-d6	7.222	99	993028	112.888	ng	0.00
23) Nitrobenzene-d5	9.234	82	638863	70.307	ng	0.00
42) 2,4,6-Tribromophenol	16.198	330	533165	122.226	ng	0.00
45) 2-Fluorobiphenyl	13.328	172	1390261	66.948	ng	0.00
79) Terphenyl-d14	20.004	244	2597857	63.141	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.210	122	129	2.724	ng	# 1
54) 2,4-Dinitrophenol	14.827	184	9	3.081	ng	# 1
63) Azobenzene	16.063	77	105112	5.183	ng	# 1
71) Phenanthrene	17.504	178	79575	2.231	ng	99
75) Fluoranthene	19.462	202	174768	4.100	ng	99
77) Benzidine	19.657	184	243	2.850	ng	# 1
78) Pyrene	19.815	202	136942	2.630	ng	98

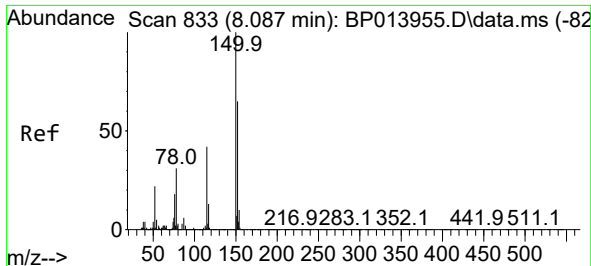
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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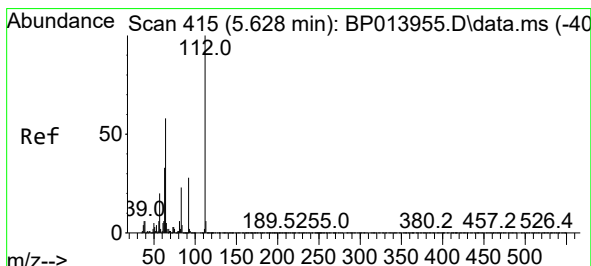
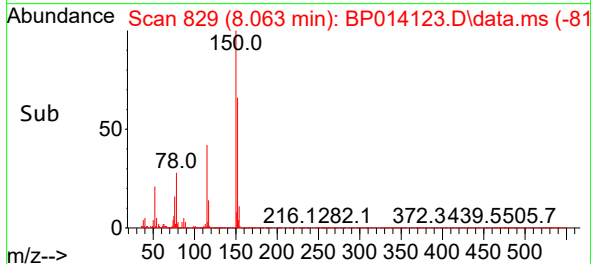
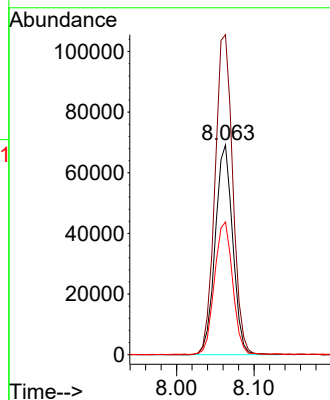
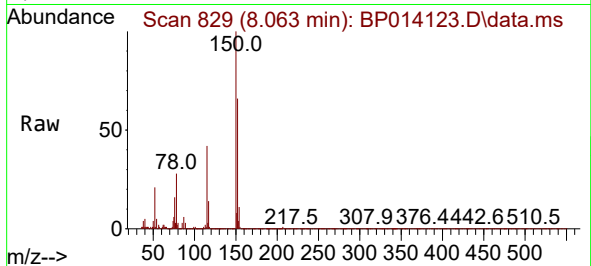




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.063 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP014123.D
Acq: 17 Mar 2023 16:25

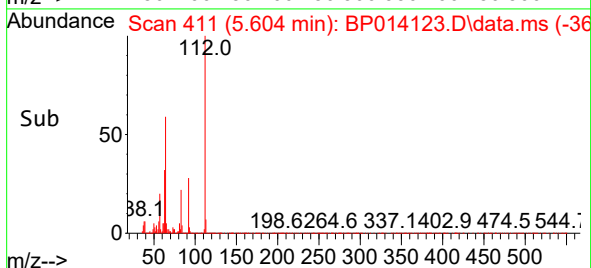
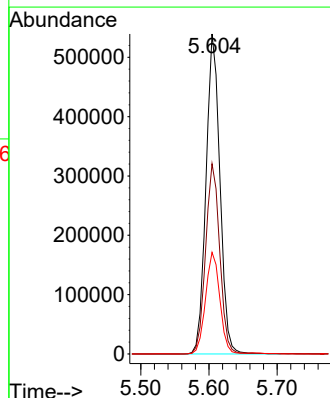
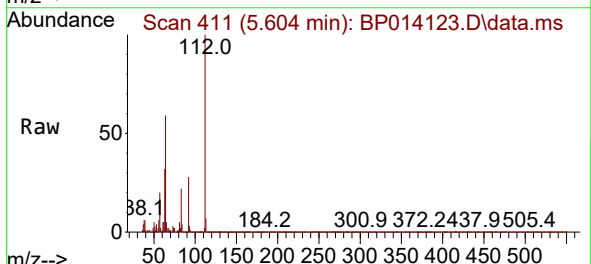
Instrument :
BNA_P
ClientSampleId :
MC-1

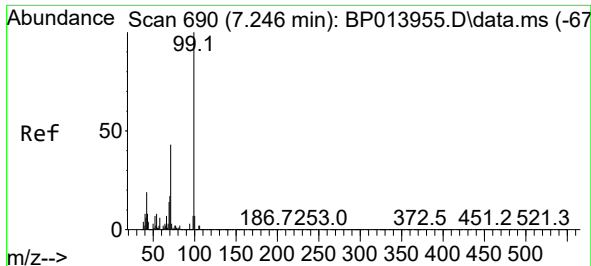
Tgt Ion:152 Resp: 108657
Ion Ratio Lower Upper
152 100
150 152.5 122.3 183.5
115 63.3 51.6 77.4



#5
2-Fluorophenol
Concen: 114.577 ng
RT: 5.604 min Scan# 411
Delta R.T. -0.000 min
Lab File: BP014123.D
Acq: 17 Mar 2023 16:25

Tgt Ion:112 Resp: 767666
Ion Ratio Lower Upper
112 100
64 59.5 46.7 70.1
63 31.8 26.6 40.0

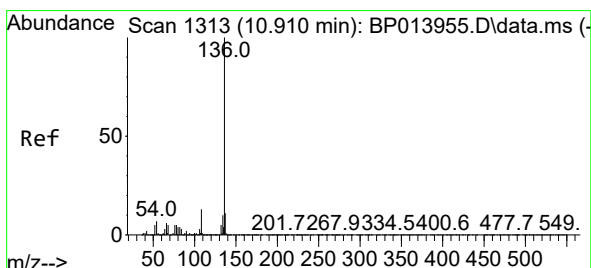
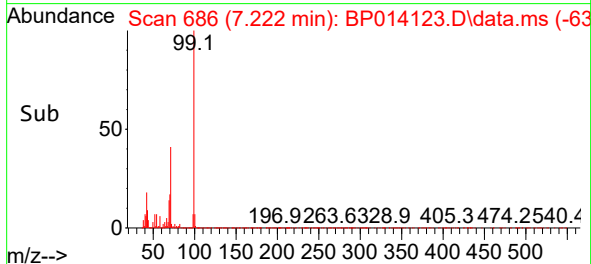
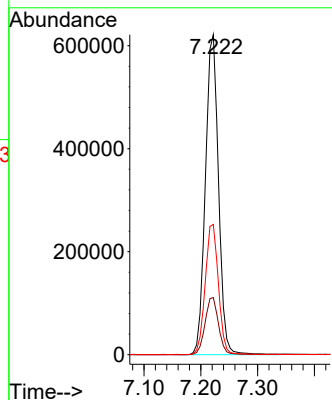
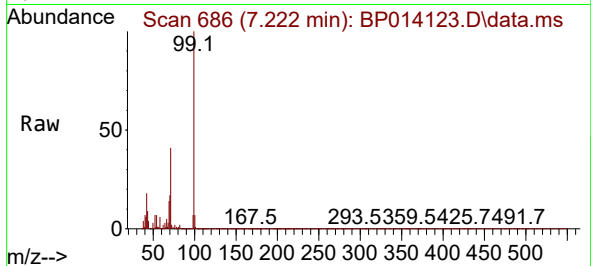




#7
Phenol-d6
Concen: 112.888 ng
RT: 7.222 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP014123.D
Acq: 17 Mar 2023 16:25

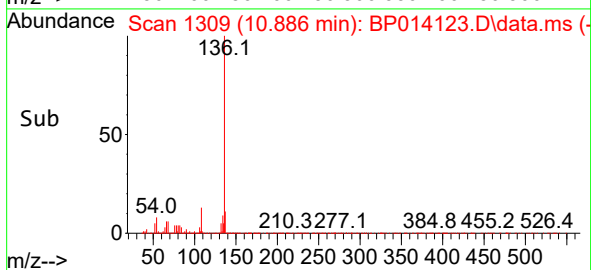
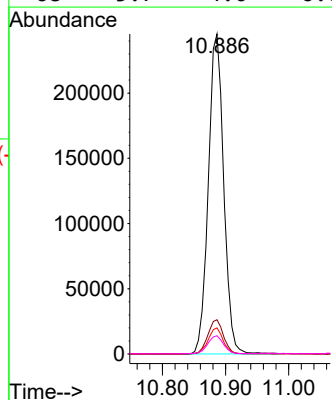
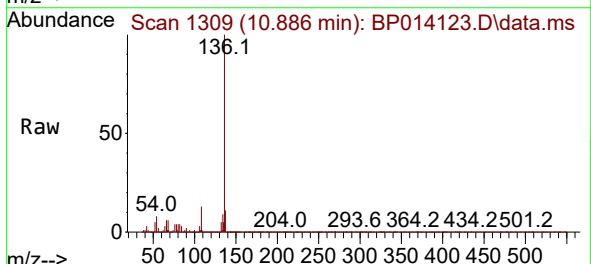
Instrument :
BNA_P
ClientSampleId :
MC-1

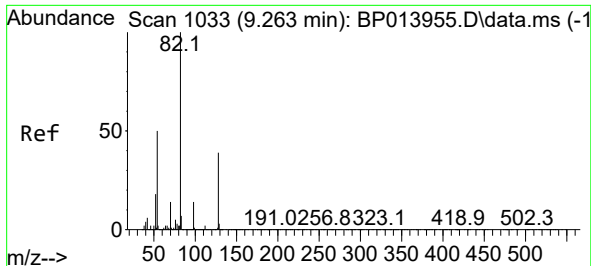
Tgt Ion: 99 Resp: 993028
Ion Ratio Lower Upper
99 100
42 17.9 15.0 22.6
71 40.7 34.3 51.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.886 min Scan# 1309
Delta R.T. -0.000 min
Lab File: BP014123.D
Acq: 17 Mar 2023 16:25

Tgt Ion:136 Resp: 415318
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 8.2 5.8 8.8
68 5.7 4.0 6.0





#23

Nitrobenzene-d5

Concen: 70.307 ng

RT: 9.234 min Scan# 110

Delta R.T. -0.006 min

Lab File: BP014123.D

Acq: 17 Mar 2023 16:25

Instrument :

BNA_P

ClientSampleId :

MC-1

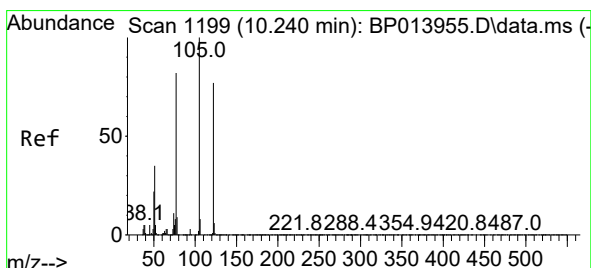
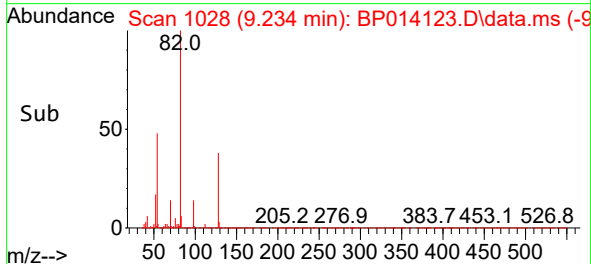
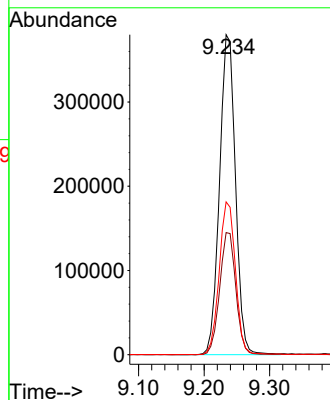
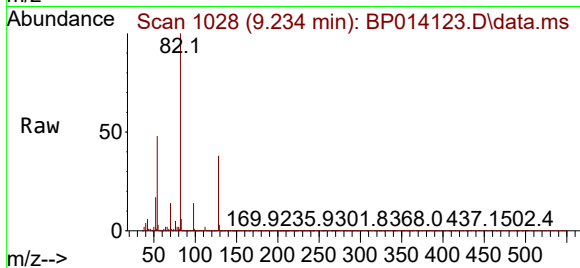
Tgt Ion: 82 Resp: 638863

Ion Ratio Lower Upper

82 100

128 38.2 31.1 46.7

54 47.8 40.0 60.0



#32

Benzoic acid

Concen: 2.724 ng

RT: 10.210 min Scan# 1194

Delta R.T. -0.018 min

Lab File: BP014123.D

Acq: 17 Mar 2023 16:25

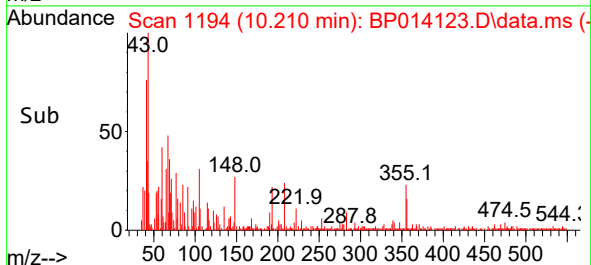
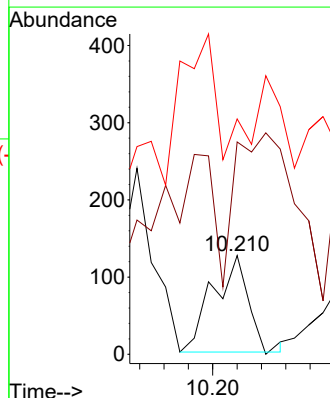
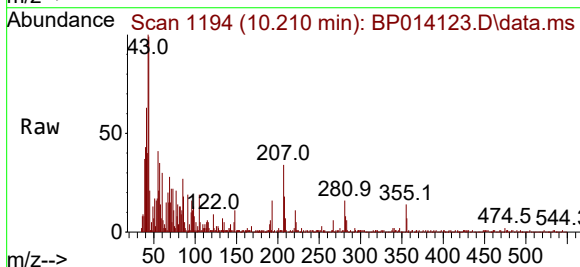
Tgt Ion:122 Resp: 129

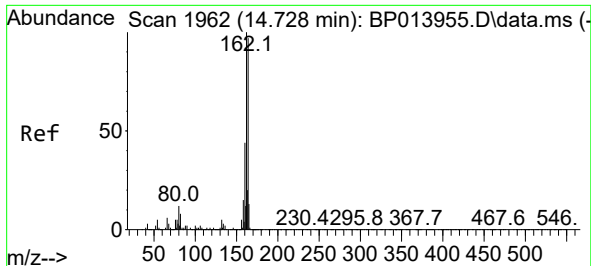
Ion Ratio Lower Upper

122 100

105 214.8 108.2 148.2#

77 238.3 85.2 125.2#

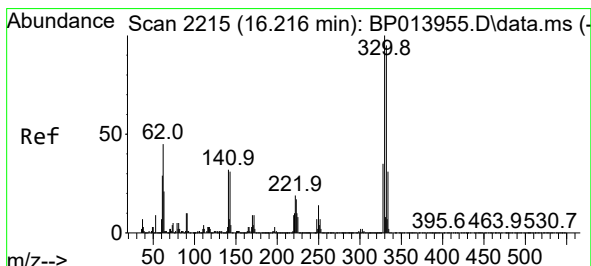
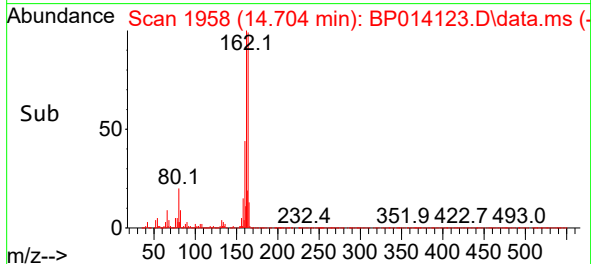
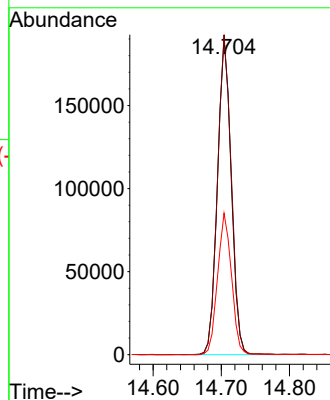
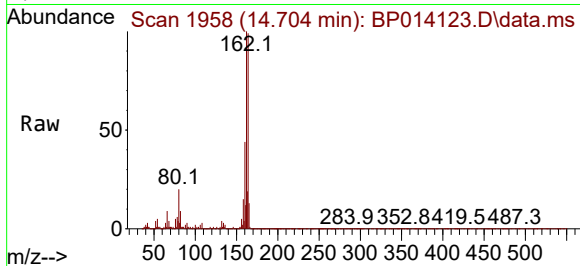




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.704 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP014123.D
Acq: 17 Mar 2023 16:25

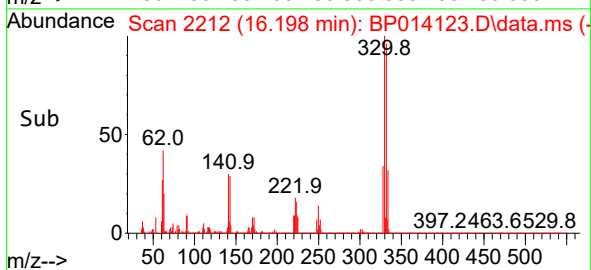
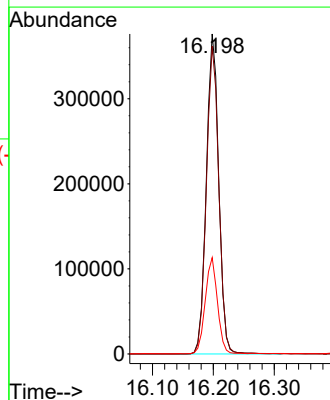
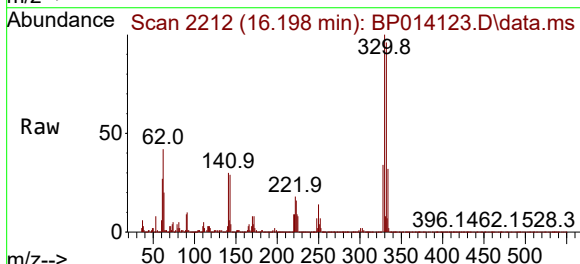
Instrument :
BNA_P
ClientSampleId :
MC-1

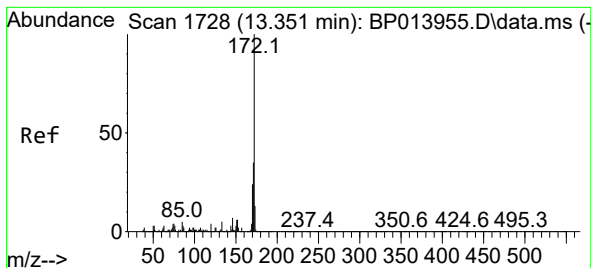
Tgt Ion:164 Resp: 269043
Ion Ratio Lower Upper
164 100
162 101.1 82.1 123.1
160 44.7 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 122.226 ng
RT: 16.198 min Scan# 2212
Delta R.T. -0.006 min
Lab File: BP014123.D
Acq: 17 Mar 2023 16:25

Tgt Ion:330 Resp: 533165
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 29.6 25.6 38.4





#45

2-Fluorobiphenyl

Concen: 66.948 ng

RT: 13.328 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP014123.D

Acq: 17 Mar 2023 16:25

Instrument :

BNA_P

ClientSampleId :

MC-1

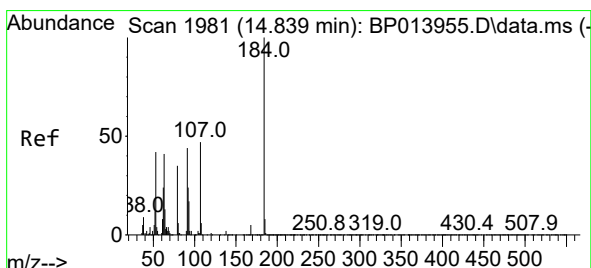
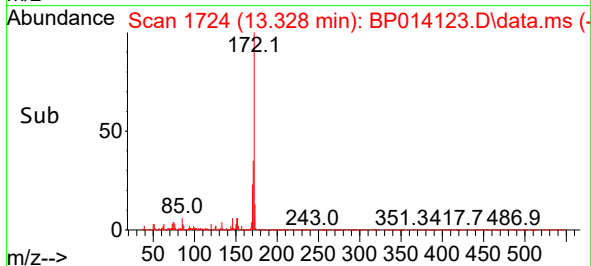
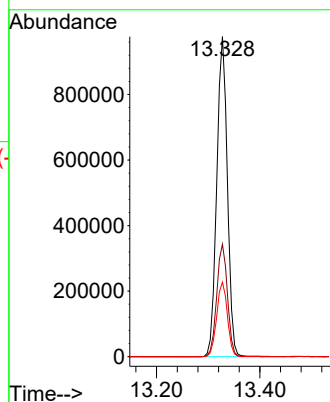
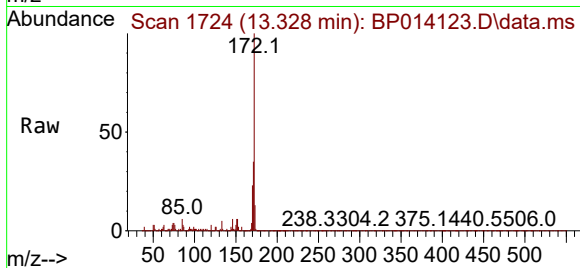
Tgt Ion:172 Resp: 1390261

Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.3 19.0 28.4



#54

2,4-Dinitrophenol

Concen: 3.081 ng

RT: 14.827 min Scan# 1979

Delta R.T. 0.005 min

Lab File: BP014123.D

Acq: 17 Mar 2023 16:25

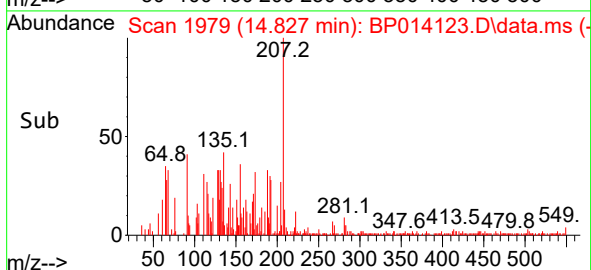
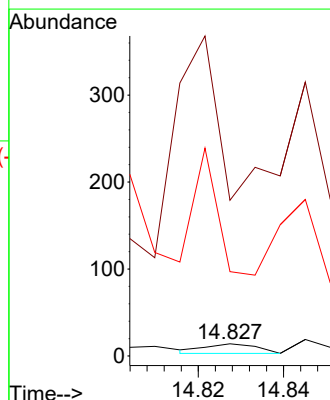
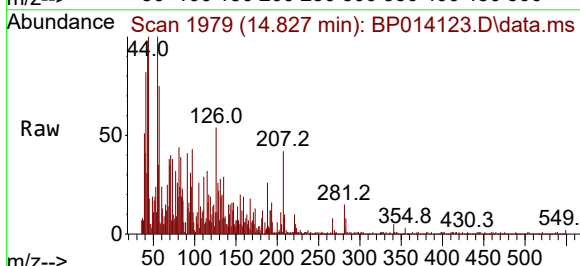
Tgt Ion:184 Resp: 9

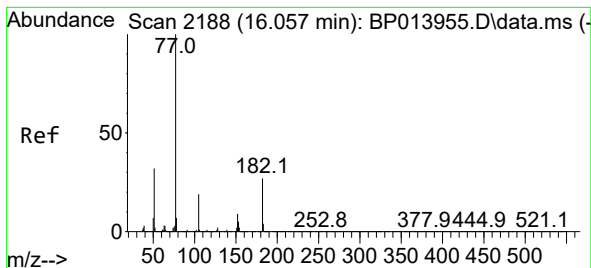
Ion Ratio Lower Upper

184 100

63 1278.6 52.4 78.6#

154 692.9 59.4 89.2#





#63

Azobenzene

Concen: 5.183 ng

RT: 16.063 min Scan# 21

Delta R.T. 0.023 min

Lab File: BP014123.D

Acq: 17 Mar 2023 16:25

Instrument :

BNA_P

ClientSampleId :

MC-1

Tgt Ion: 77 Resp: 105112

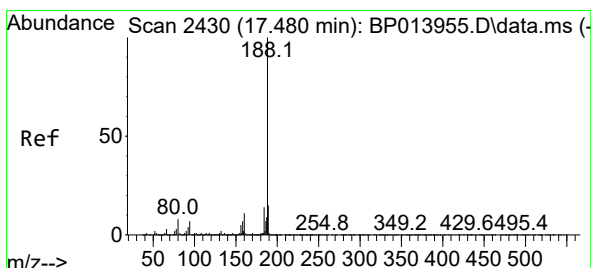
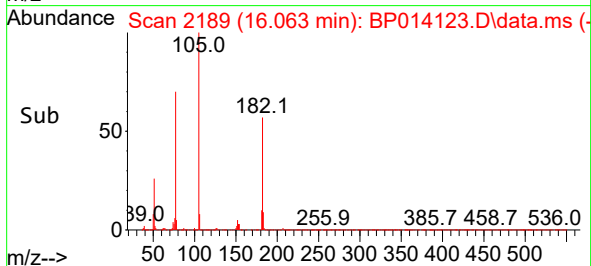
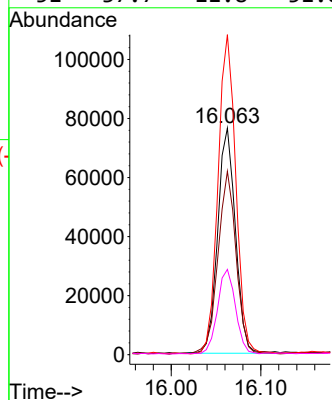
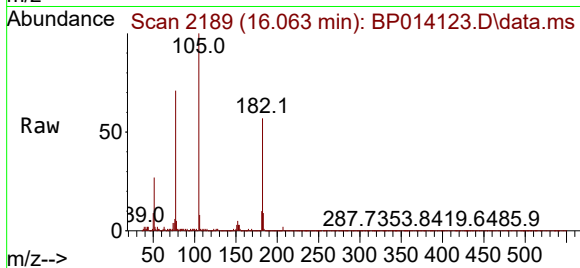
Ion Ratio Lower Upper

77 100

182 81.0 6.9 46.9#

105 141.3 0.0 39.4#

51 37.7 11.8 51.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.463 min Scan# 2427

Delta R.T. -0.006 min

Lab File: BP014123.D

Acq: 17 Mar 2023 16:25

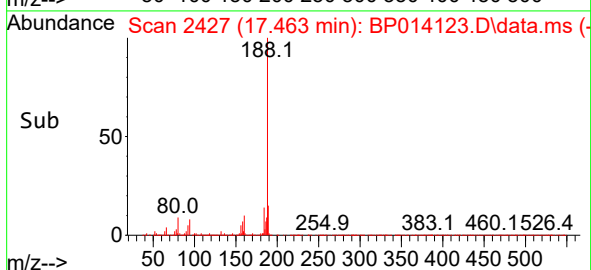
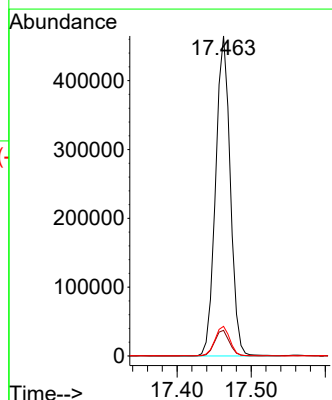
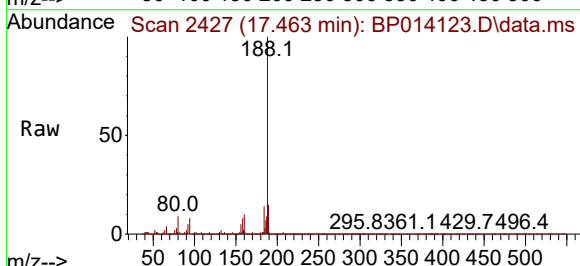
Tgt Ion:188 Resp: 638372

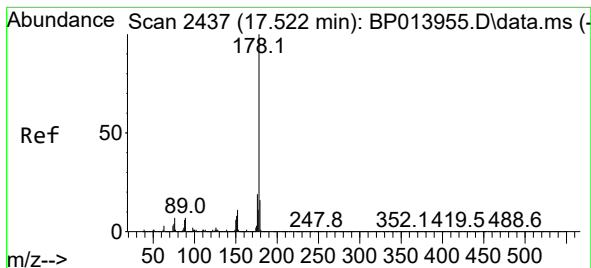
Ion Ratio Lower Upper

188 100

94 8.0 5.8 8.6

80 9.2 6.6 9.8





#71

Phenanthrene

Concen: 2.231 ng

RT: 17.504 min Scan# 2437

Delta R.T. -0.006 min

Lab File: BP014123.D

Acq: 17 Mar 2023 16:25

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ClientSampleId :

MC-1

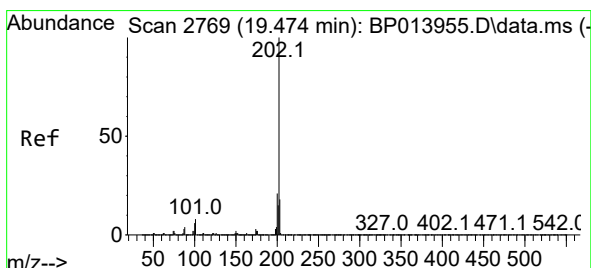
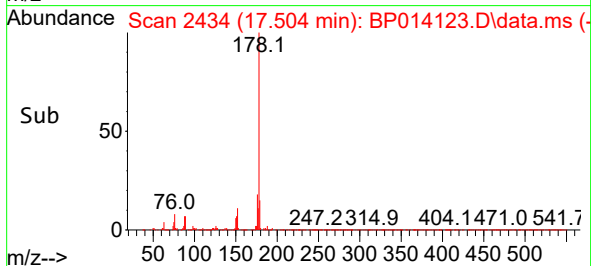
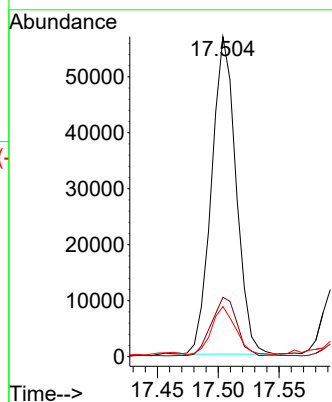
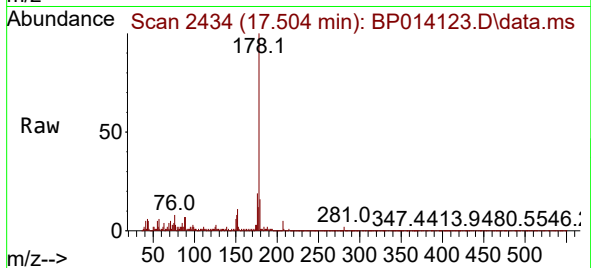
Tgt Ion:178 Resp: 79575

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

179 15.7 12.6 19.0



#75

Fluoranthene

Concen: 4.100 ng

RT: 19.462 min Scan# 2767

Delta R.T. -0.000 min

Lab File: BP014123.D

Acq: 17 Mar 2023 16:25

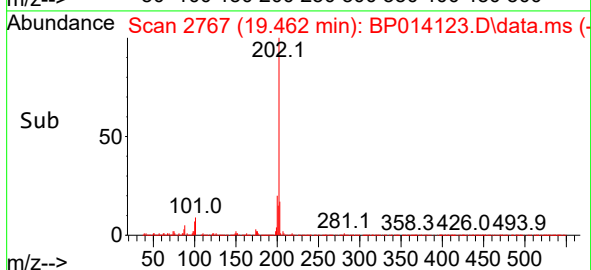
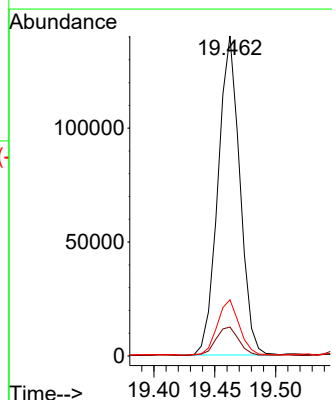
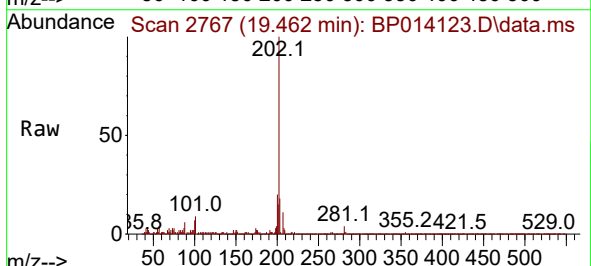
Tgt Ion:202 Resp: 174768

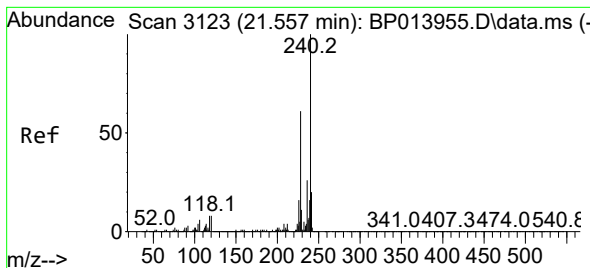
Ion Ratio Lower Upper

202 100

101 9.1 0.0 27.9

203 17.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.545 min Scan# 3123

Delta R.T. -0.006 min

Lab File: BP014123.D

Acq: 17 Mar 2023 16:25

Instrument :

BNA_P

ClientSampleId :

MC-1

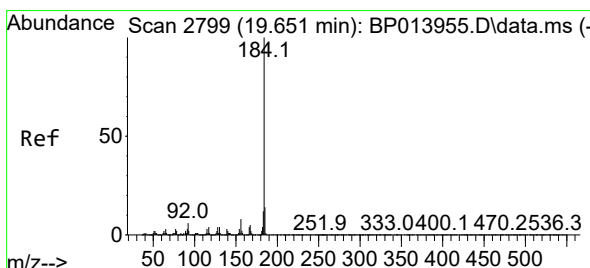
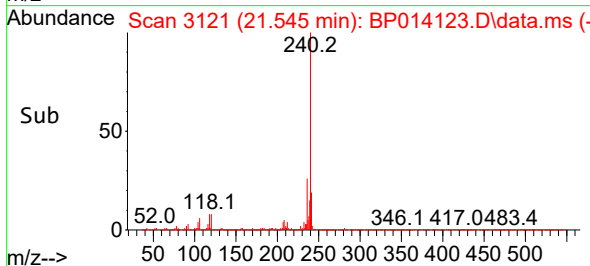
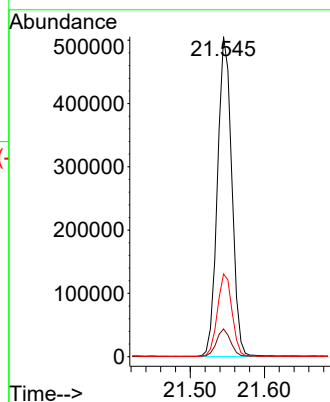
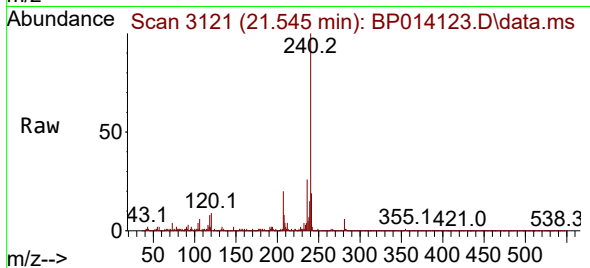
Tgt Ion:240 Resp: 678440

Ion Ratio Lower Upper

240 100

120 8.6 6.4 9.6

236 25.8 21.2 31.8



#77

Benzidine

Concen: 2.850 ng

RT: 19.657 min Scan# 2800

Delta R.T. 0.011 min

Lab File: BP014123.D

Acq: 17 Mar 2023 16:25

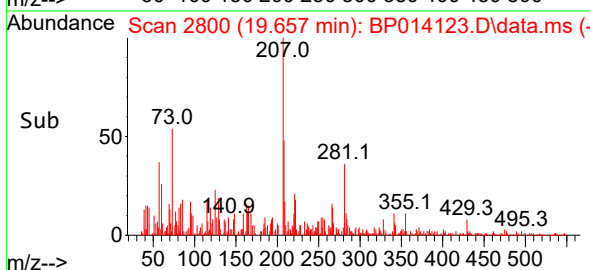
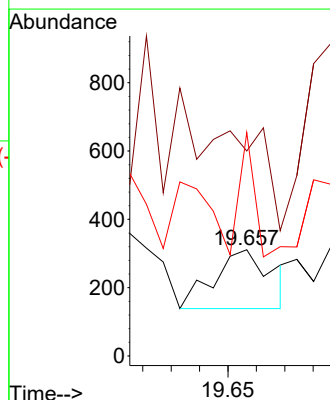
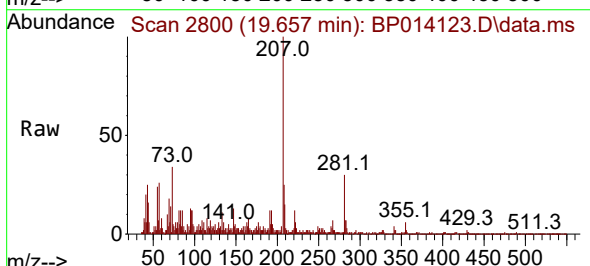
Tgt Ion:184 Resp: 243

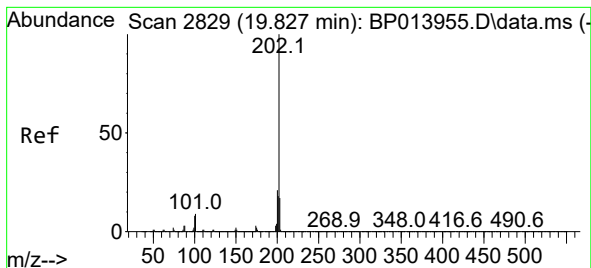
Ion Ratio Lower Upper

184 100

185 192.9 11.6 17.4#

183 210.3 9.7 14.5#





#78

Pyrene

Concen: 2.630 ng

RT: 19.815 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BP014123.D

Acq: 17 Mar 2023 16:25

Instrument :

BNA_P

ClientSampleId :

MC-1

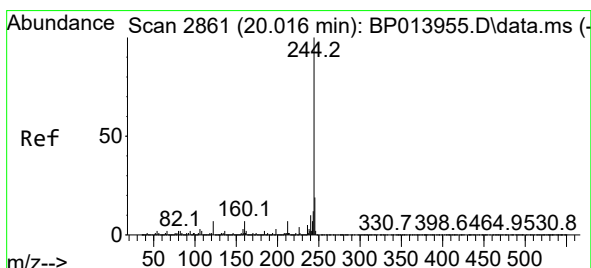
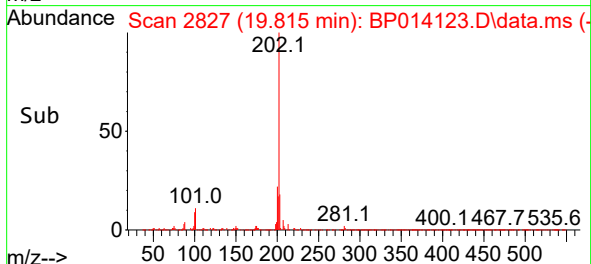
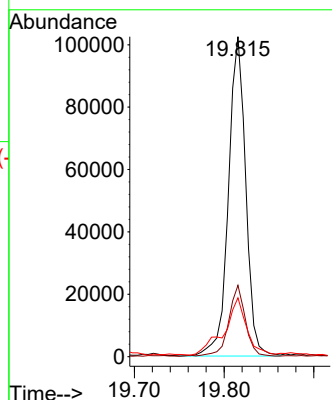
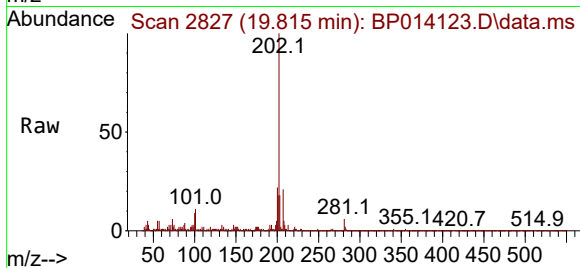
Tgt Ion:202 Resp: 136942

Ion Ratio Lower Upper

202 100

200 22.3 16.9 25.3

203 18.4 13.9 20.9



#79

Terphenyl-d14

Concen: 63.141 ng

RT: 20.004 min Scan# 2859

Delta R.T. -0.000 min

Lab File: BP014123.D

Acq: 17 Mar 2023 16:25

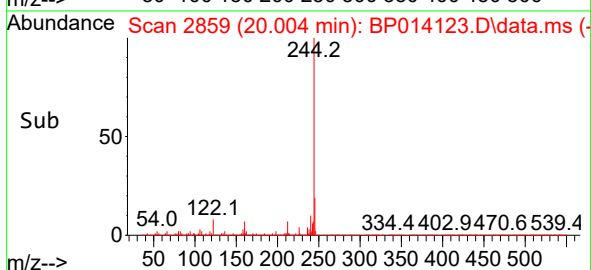
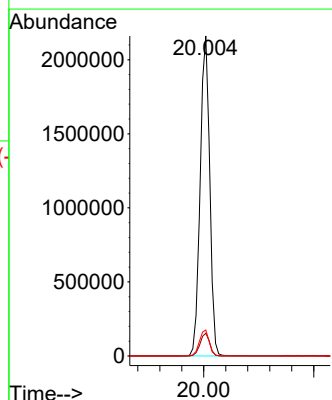
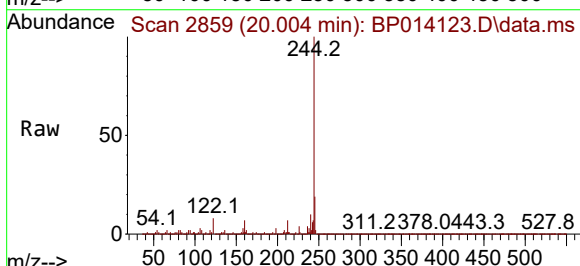
Tgt Ion:244 Resp: 2597857

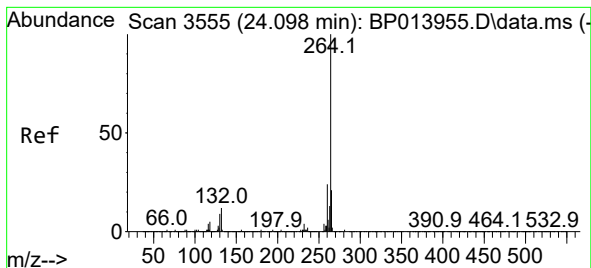
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 8.1 5.8 8.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.086 min Scan# 3

Delta R.T. -0.000 min

Lab File: BP014123.D

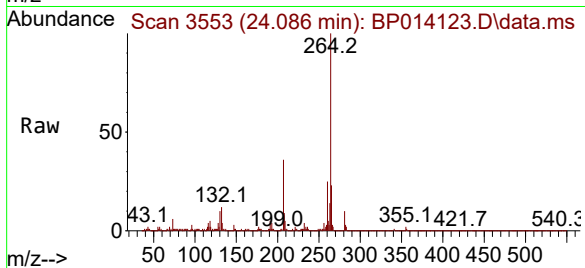
Acq: 17 Mar 2023 16:25

Instrument :

BNA_P

ClientSampleId :

MC-1



Tgt Ion:264 Resp: 801623

Ion Ratio Lower Upper

264 100

260 25.0 19.4 29.2

265 22.9 17.8 26.8

