

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
 Data File : BP014132.D
 Acq On : 17 Mar 2023 21:38
 Operator : CG/JU
 Sample : 01964-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MAPLE-4

Quant Time: Mar 18 00:28:22 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)

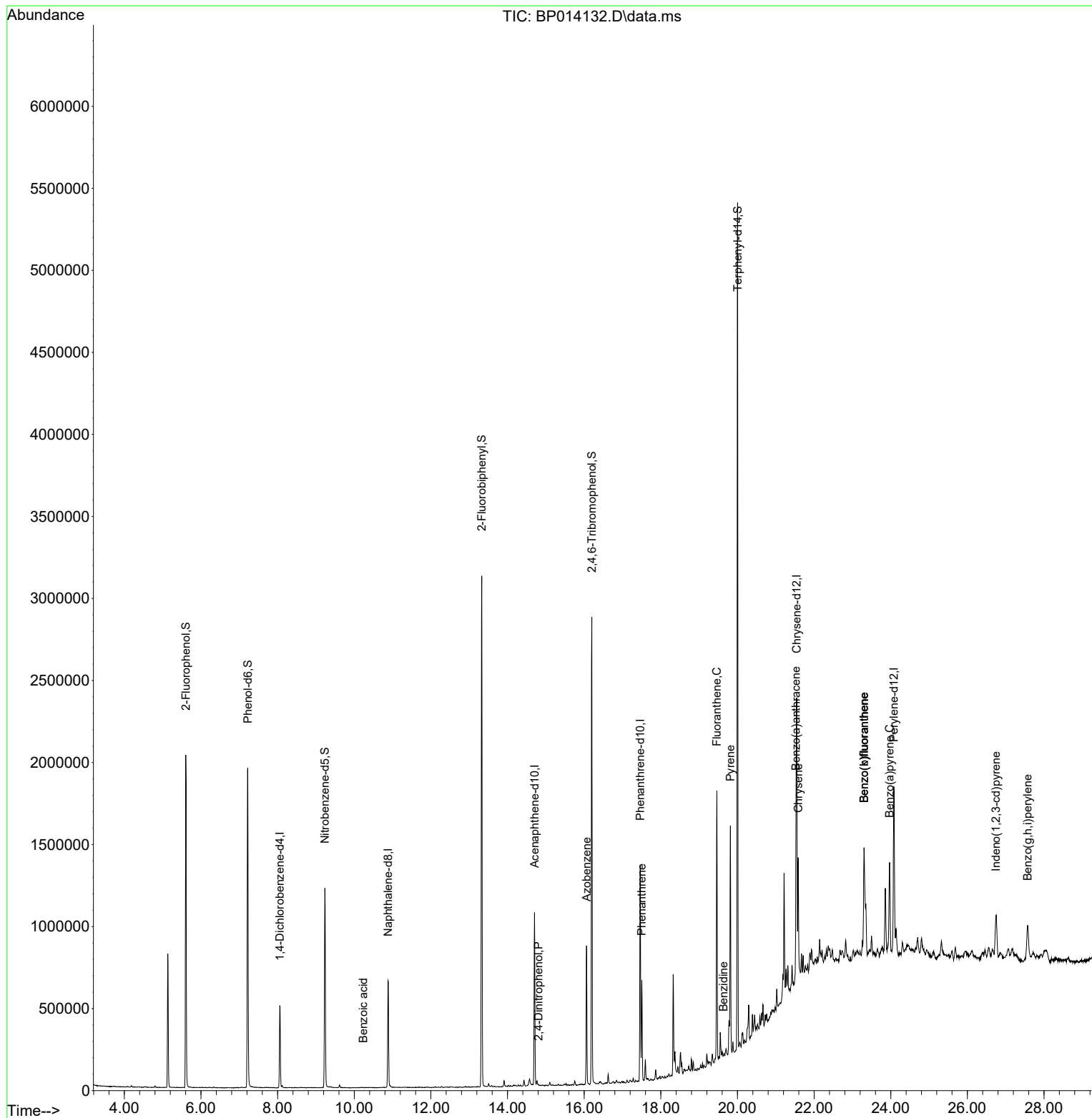
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.058	152	132269	20.000	ng	0.00
21) Naphthalene-d8	10.881	136	526858	20.000	ng	# 0.00
39) Acenaphthene-d10	14.704	164	339044	20.000	ng	0.00
64) Phenanthrene-d10	17.463	188	765037	20.000	ng	0.00
76) Chrysene-d12	21.545	240	709666	20.000	ng	0.00
86) Perylene-d12	24.080	264	834847	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.605	112	816757	100.142	ng	0.00
7) Phenol-d6	7.222	99	1092719	102.045	ng	0.00
23) Nitrobenzene-d5	9.234	82	720333	62.490	ng	0.00
42) 2,4,6-Tribromophenol	16.198	330	555027	100.967	ng	0.00
45) 2-Fluorobiphenyl	13.328	172	1554146	59.388	ng	0.00
79) Terphenyl-d14	20.004	244	2485518	57.752	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.234	122	229	2.732	ng	# 58
54) 2,4-Dinitrophenol	14.810	184	8	3.080	ng	# 1
63) Azobenzene	16.063	77	241990	9.470	ng	# 1
71) Phenanthrene	17.504	178	358377	8.385	ng	99
75) Fluoranthene	19.463	202	933943	18.283	ng	99
77) Benzidine	19.633	184	101	2.841	ng	# 1
78) Pyrene	19.816	202	800600	14.698	ng	99
81) Benzo(a)anthracene	21.528	228	466052	8.950	ng	99
83) Chrysene	21.586	228	439213	8.907	ng	98
87) Indeno(1,2,3-cd)pyrene	26.745	276	321401	4.982	ng	98
88) Benzo(b)fluoranthene	23.304	252	652236	11.931	ng	97
89) Benzo(k)fluoranthene	23.304	252	652236	12.034	ng	# 96
90) Benzo(a)pyrene	23.969	252	452107	8.671	ng	96
92) Benzo(g,h,i)perylene	27.574	276	311192	5.855	ng	97

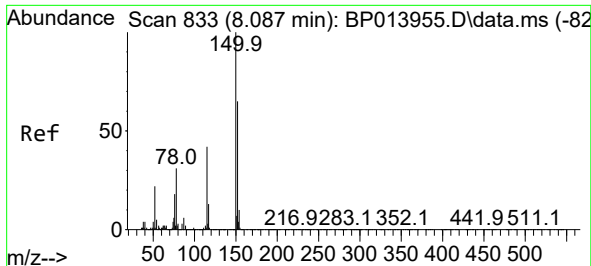
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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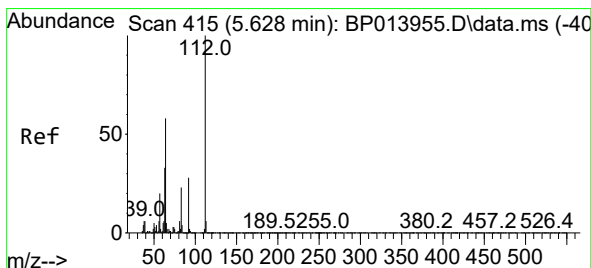
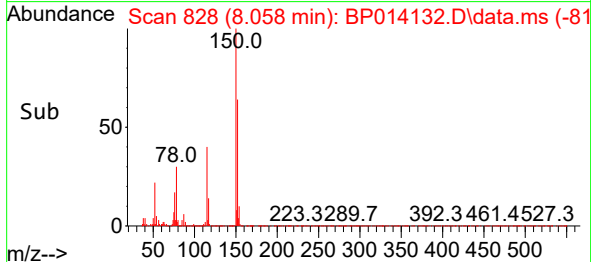
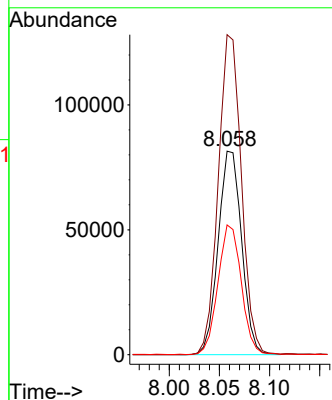
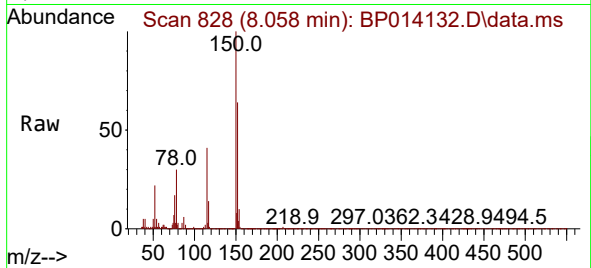




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.058 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

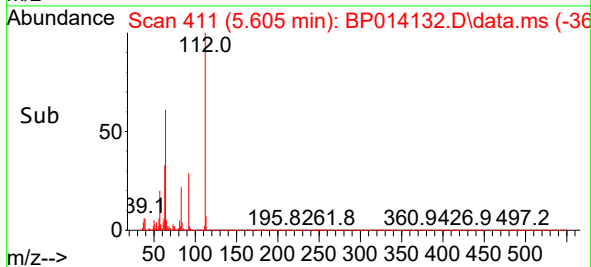
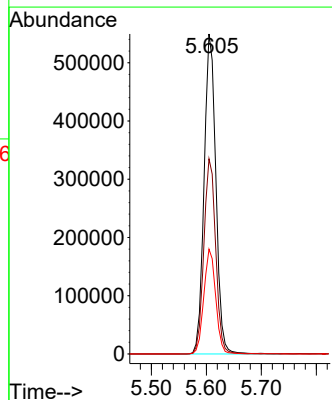
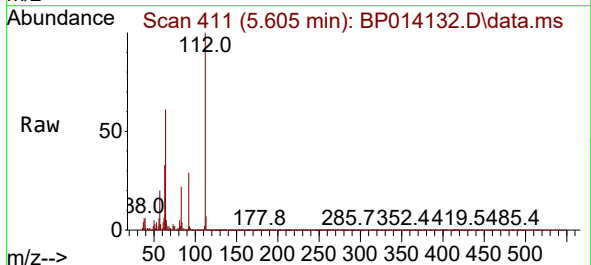
Instrument :
BNA_P
ClientSampleId :
MAPLE-4

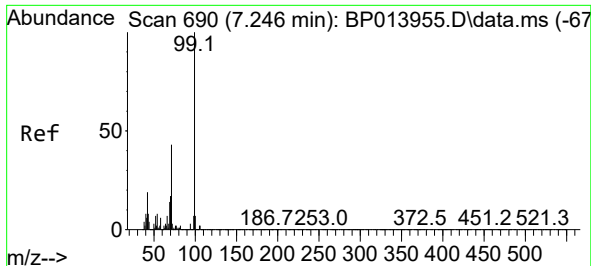
Tgt Ion:152 Resp: 132269
Ion Ratio Lower Upper
152 100
150 157.2 122.3 183.5
115 63.8 51.6 77.4



#5
2-Fluorophenol
Concen: 100.142 ng
RT: 5.605 min Scan# 411
Delta R.T. 0.000 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

Tgt Ion:112 Resp: 816757
Ion Ratio Lower Upper
112 100
64 61.0 46.7 70.1
63 32.8 26.6 40.0

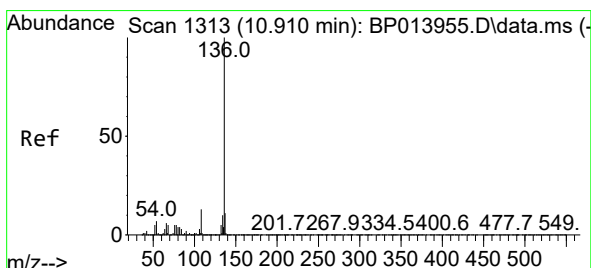
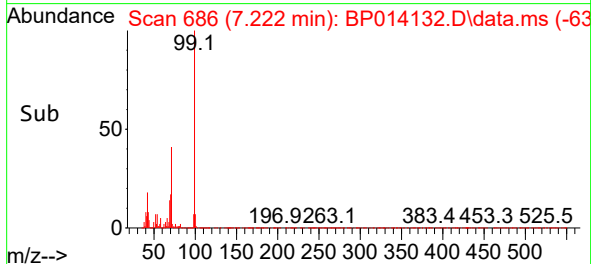
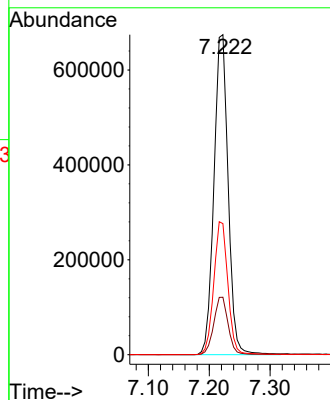
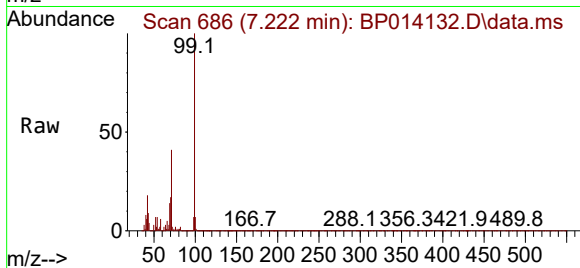




#7
Phenol-d6
Concen: 102.045 ng
RT: 7.222 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

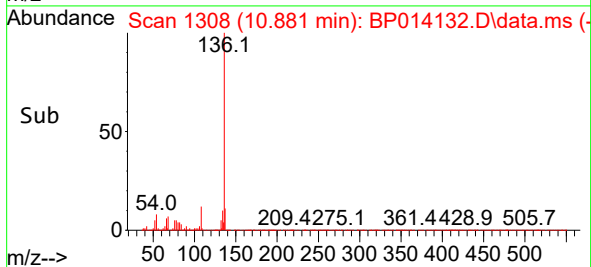
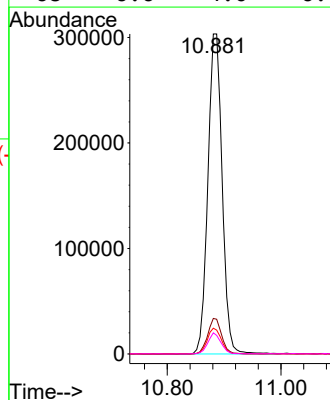
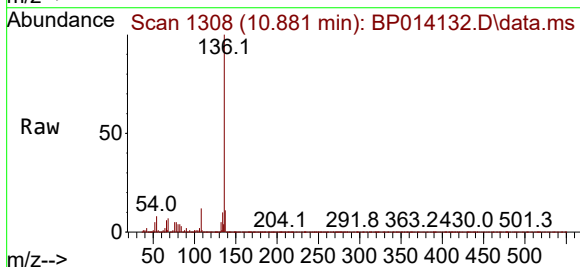
Instrument :
BNA_P
ClientSampleId :
MAPLE-4

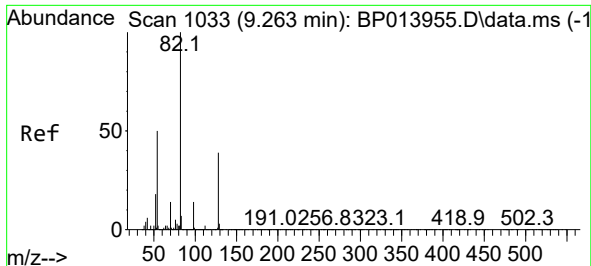
Tgt Ion: 99 Resp: 1092719
Ion Ratio Lower Upper
99 100
42 17.9 15.0 22.6
71 41.0 34.3 51.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.881 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

Tgt Ion:136 Resp: 526858
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.0 5.8 8.8
68 6.6 4.0 6.0#

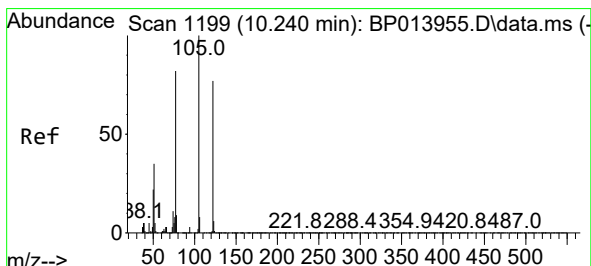
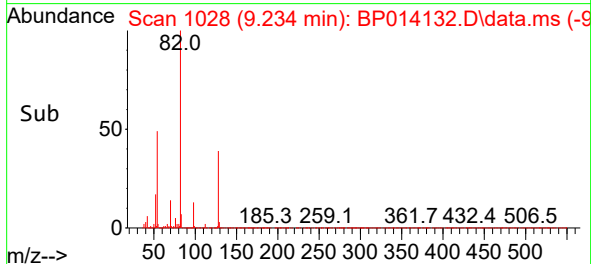
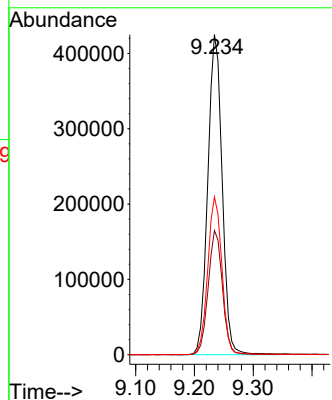
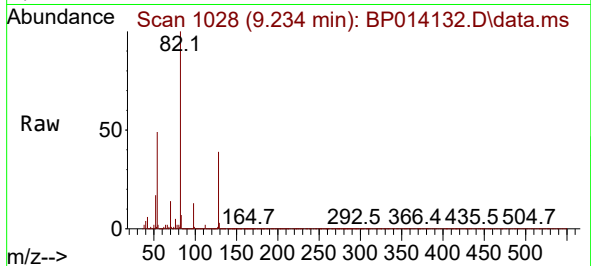




#23
Nitrobenzene-d5
Concen: 62.490 ng
RT: 9.234 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

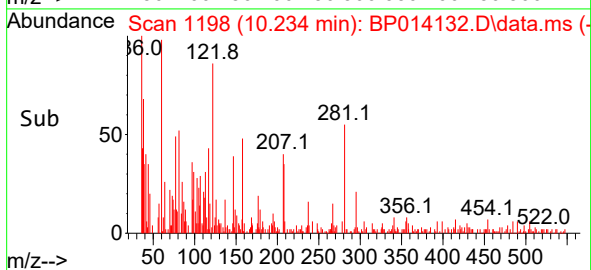
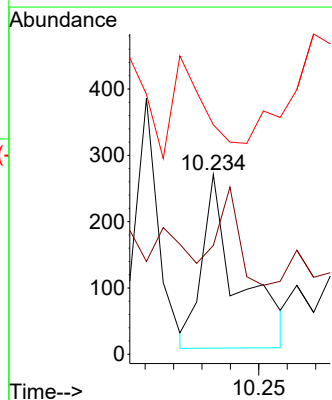
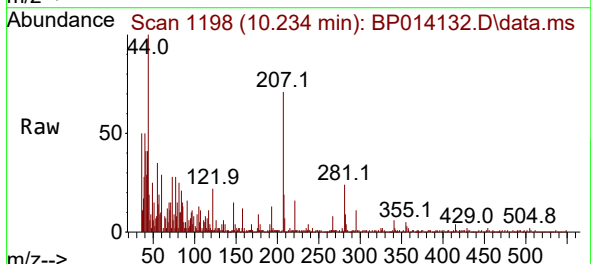
Instrument :
BNA_P
ClientSampleId :
MAPLE-4

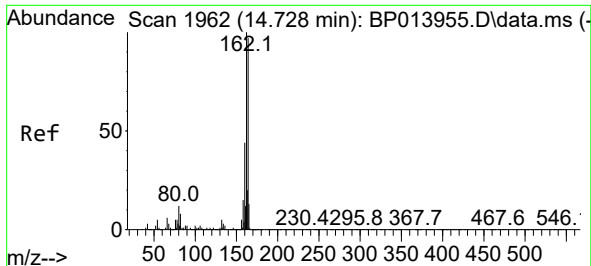
Tgt Ion: 82 Resp: 720333
Ion Ratio Lower Upper
82 100
128 38.8 31.1 46.7
54 49.3 40.0 60.0



#32
Benzoic acid
Concen: 2.732 ng
RT: 10.234 min Scan# 1198
Delta R.T. 0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

Tgt Ion: 122 Resp: 229
Ion Ratio Lower Upper
122 100
105 60.5 108.2 148.2#
77 127.7 85.2 125.2#

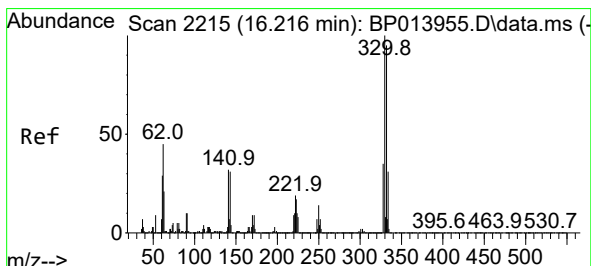
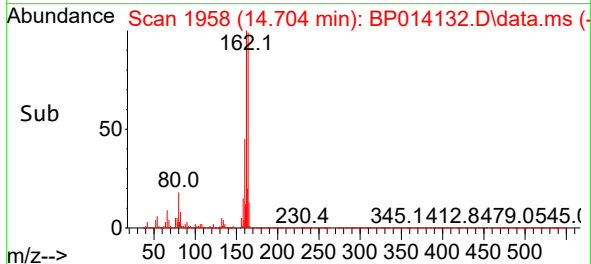
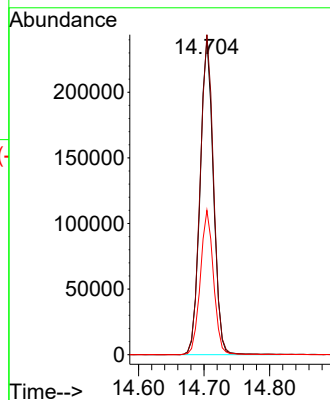
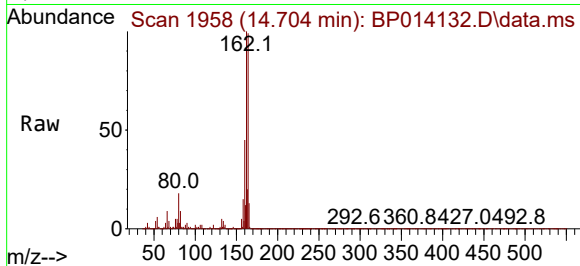




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.704 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

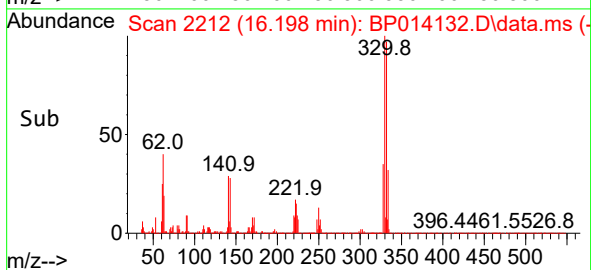
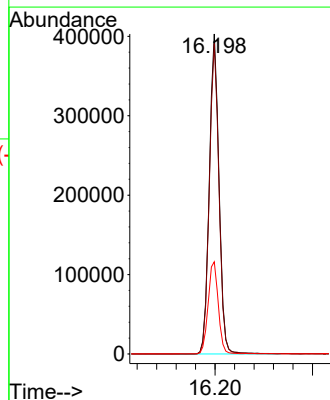
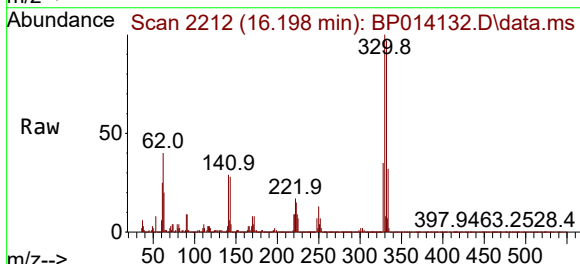
Instrument :
BNA_P
ClientSampleId :
MAPLE-4

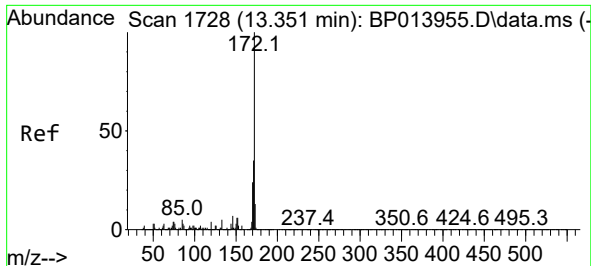
Tgt Ion:164 Resp: 339044
Ion Ratio Lower Upper
164 100
162 101.4 82.1 123.1
160 45.7 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 100.967 ng
RT: 16.198 min Scan# 2212
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

Tgt Ion:330 Resp: 555027
Ion Ratio Lower Upper
330 100
332 96.2 77.1 115.7
141 29.9 25.6 38.4





#45

2-Fluorobiphenyl

Concen: 59.388 ng

RT: 13.328 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP014132.D

Acq: 17 Mar 2023 21:38

Instrument :

BNA_P

ClientSampleId :

MAPLE-4

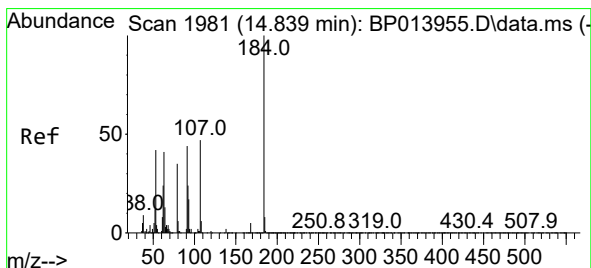
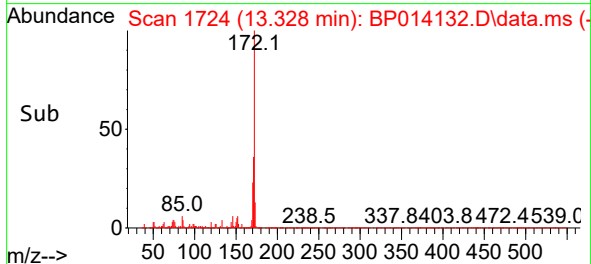
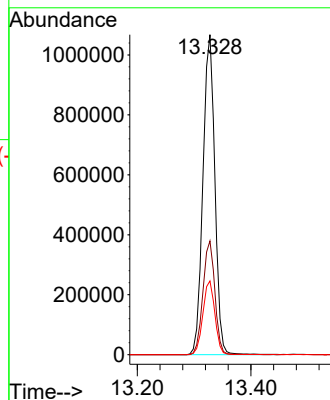
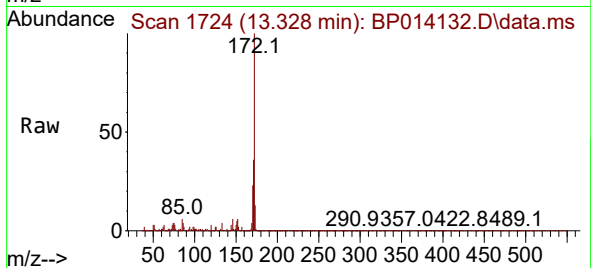
Tgt Ion:172 Resp: 1554146

Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.1 19.0 28.4



#54

2,4-Dinitrophenol

Concen: 3.080 ng

RT: 14.810 min Scan# 1976

Delta R.T. -0.012 min

Lab File: BP014132.D

Acq: 17 Mar 2023 21:38

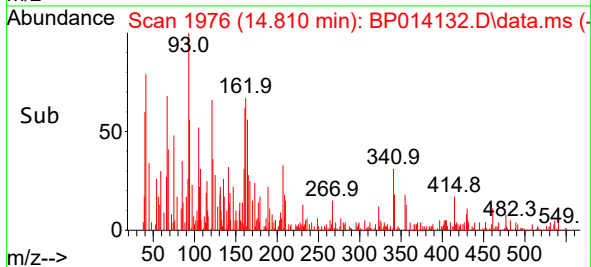
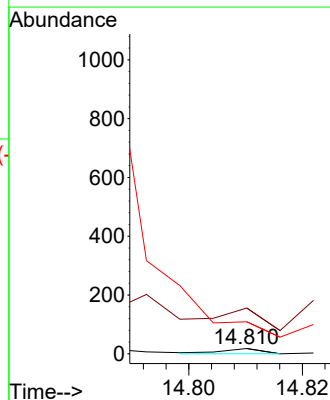
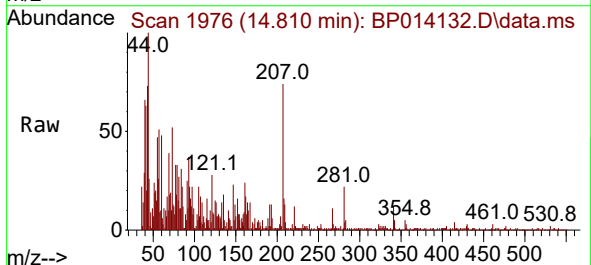
Tgt Ion:184 Resp: 8

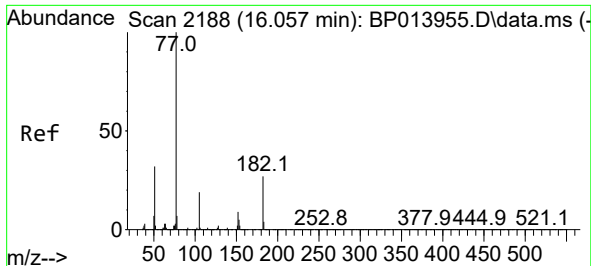
Ion Ratio Lower Upper

184 100

63 866.7 52.4 78.6#

154 605.6 59.4 89.2#

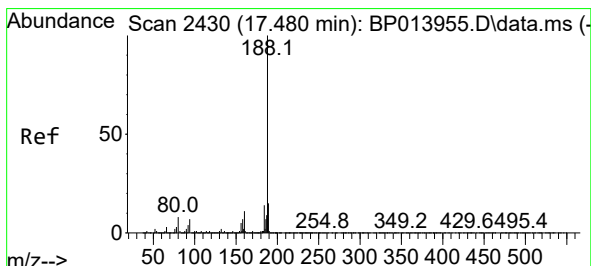
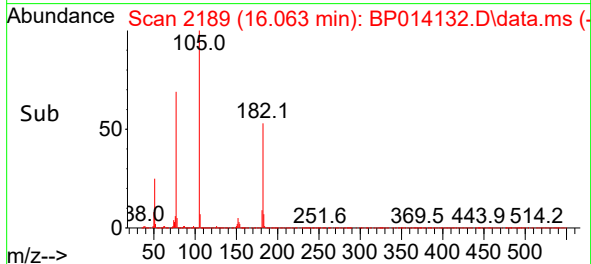
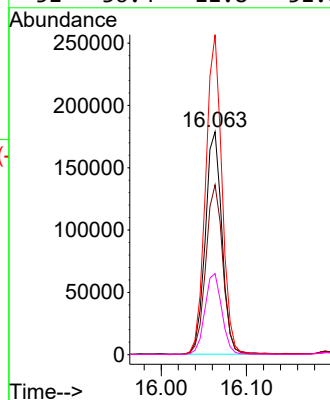
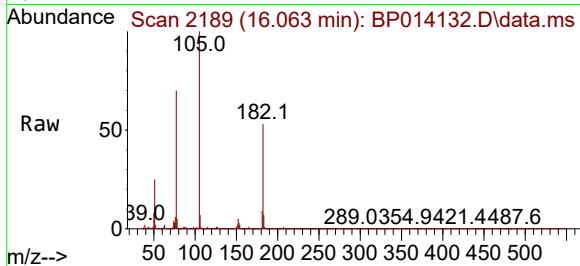




#63
Azobenzene
Concen: 9.470 ng
RT: 16.063 min Scan# 2188
Delta R.T. 0.024 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

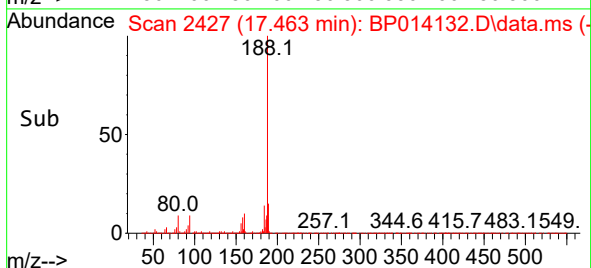
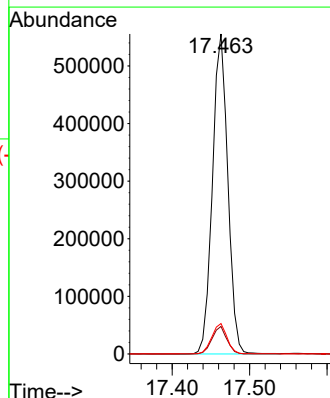
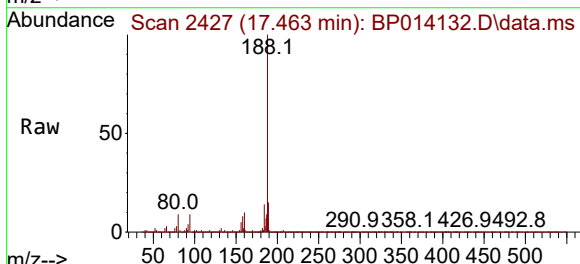
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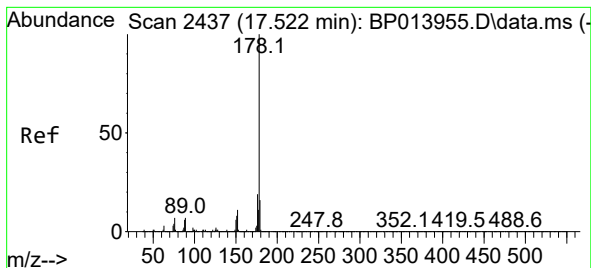
Tgt Ion: 77 Resp: 241990
Ion Ratio Lower Upper
77 100
182 76.2 6.9 46.9#
105 143.6 0.0 39.4#
51 36.4 11.8 51.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.463 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

Tgt Ion: 188 Resp: 765037
Ion Ratio Lower Upper
188 100
94 8.6 5.8 8.6
80 9.5 6.6 9.8





#71

Phenanthrene

Concen: 8.385 ng

RT: 17.504 min Scan# 2434

Delta R.T. -0.006 min

Lab File: BP014132.D

Acq: 17 Mar 2023 21:38

Instrument :

BNA_P

ClientSampleId :

MAPLE-4

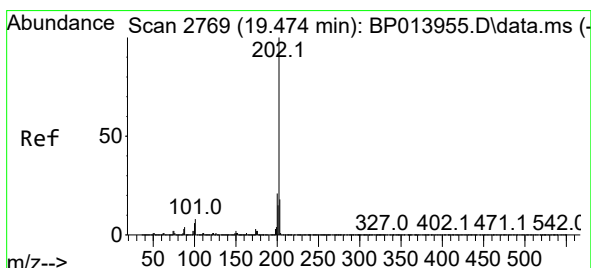
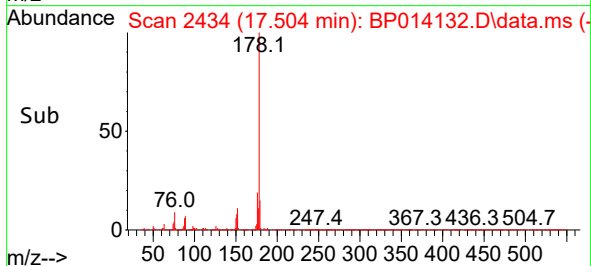
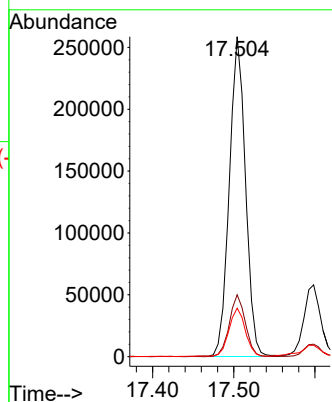
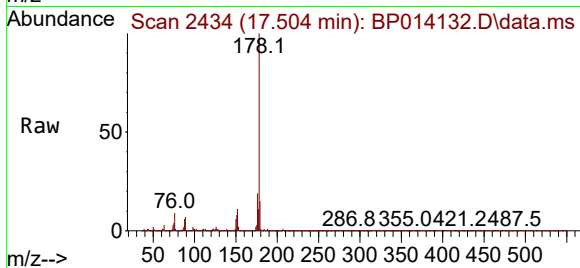
Tgt Ion:178 Resp: 358377

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 15.1 12.6 19.0



#75

Fluoranthene

Concen: 18.283 ng

RT: 19.463 min Scan# 2767

Delta R.T. 0.000 min

Lab File: BP014132.D

Acq: 17 Mar 2023 21:38

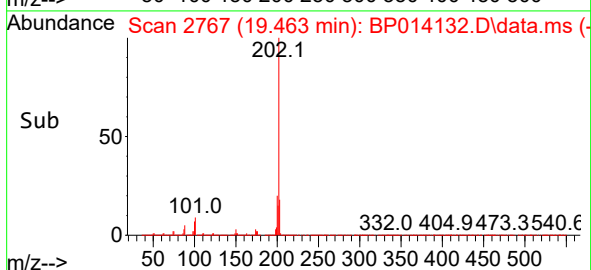
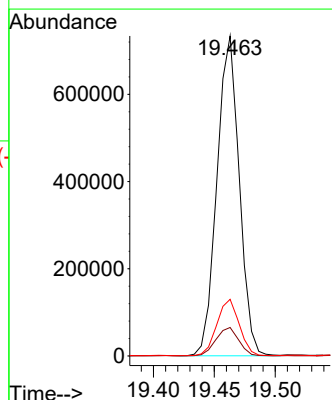
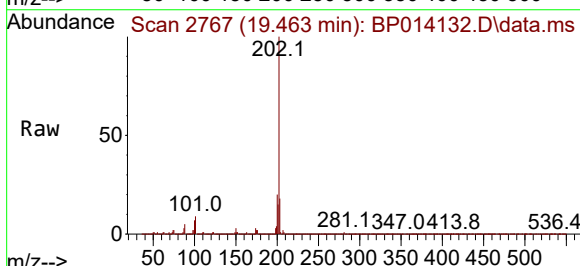
Tgt Ion:202 Resp: 933943

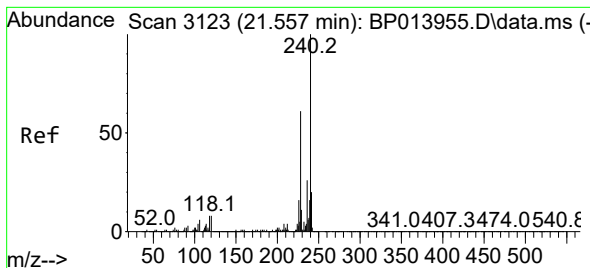
Ion Ratio Lower Upper

202 100

101 8.9 0.0 27.9

203 17.7 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: BP014132.D

Acq: 17 Mar 2023 21:38

Instrument :

BNA_P

ClientSampleId :

MAPLE-4

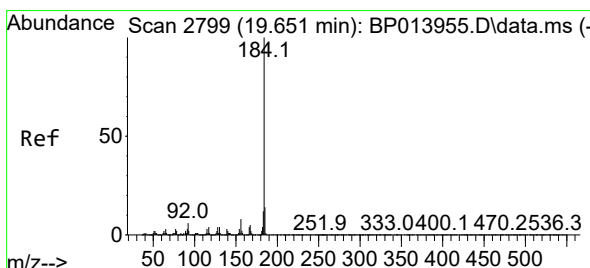
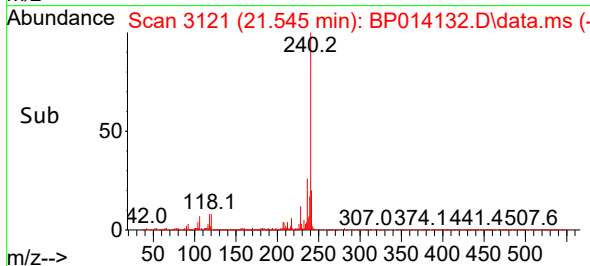
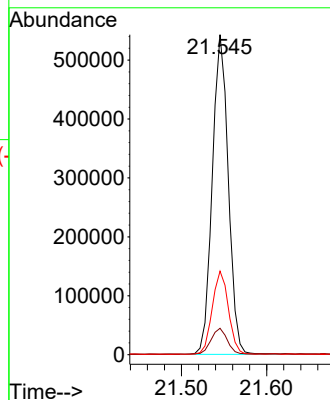
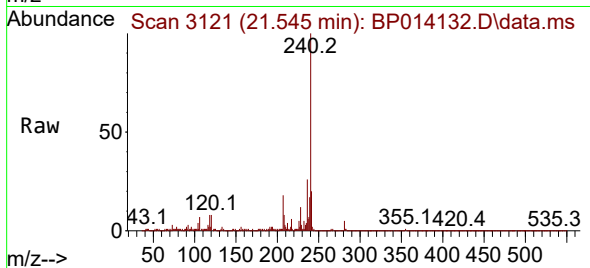
Tgt Ion:240 Resp: 709666

Ion Ratio Lower Upper

240 100

120 8.3 6.4 9.6

236 26.1 21.2 31.8



#77

Benzidine

Concen: 2.841 ng

RT: 19.633 min Scan# 2796

Delta R.T. -0.012 min

Lab File: BP014132.D

Acq: 17 Mar 2023 21:38

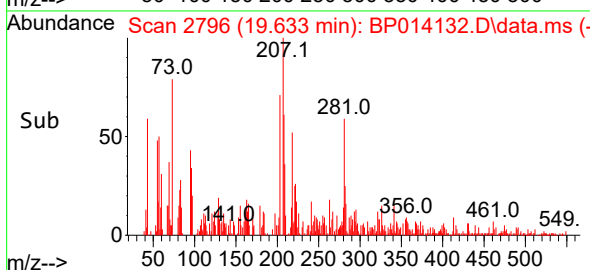
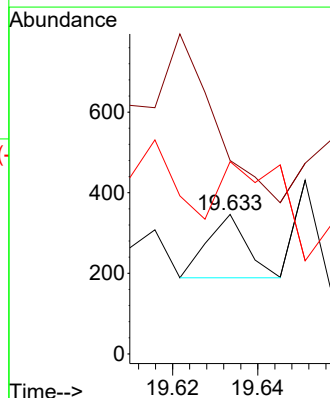
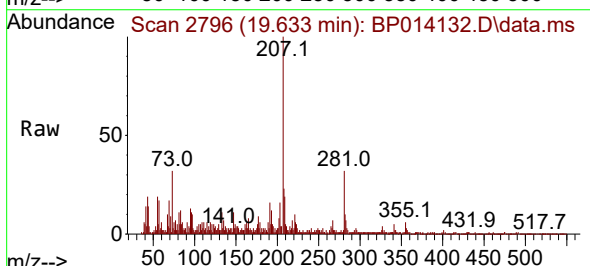
Tgt Ion:184 Resp: 101

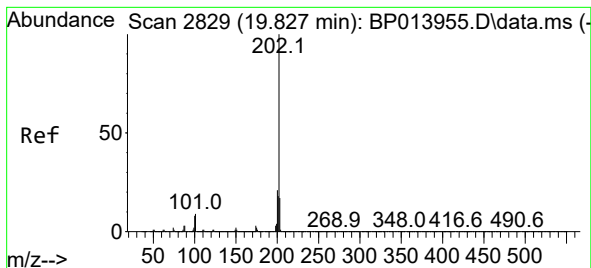
Ion Ratio Lower Upper

184 100

185 138.7 11.6 17.4#

183 137.9 9.7 14.5#





#78

Pyrene

Concen: 14.698 ng

RT: 19.816 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BP014132.D

Acq: 17 Mar 2023 21:38

Instrument :

BNA_P

ClientSampleId :

MAPLE-4

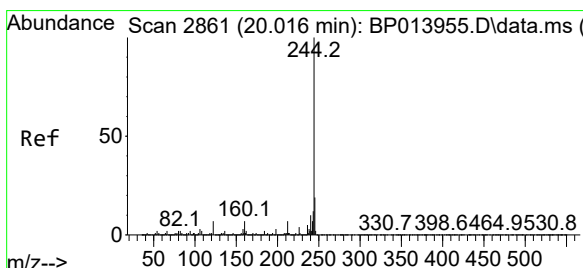
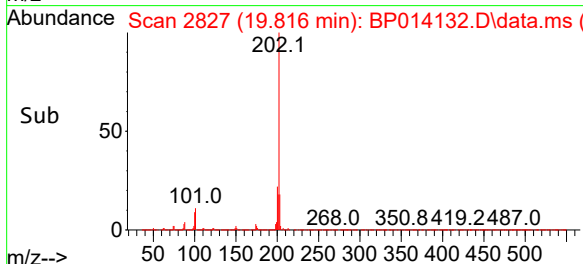
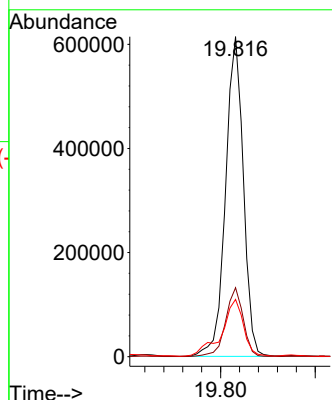
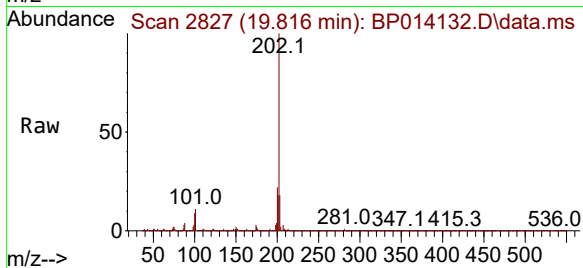
Tgt Ion:202 Resp: 800600

Ion Ratio Lower Upper

202 100

200 21.6 16.9 25.3

203 17.9 13.9 20.9



#79

Terphenyl-d14

Concen: 57.752 ng

RT: 20.004 min Scan# 2859

Delta R.T. 0.000 min

Lab File: BP014132.D

Acq: 17 Mar 2023 21:38

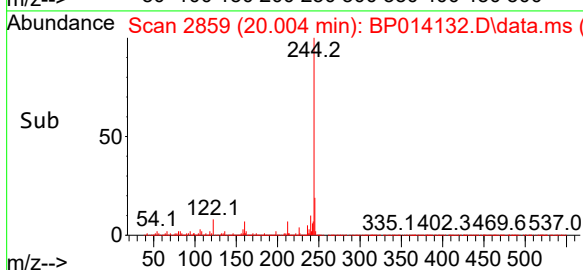
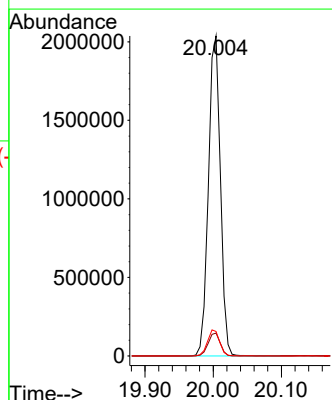
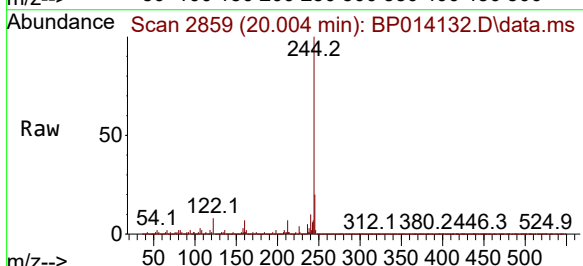
Tgt Ion:244 Resp: 2485518

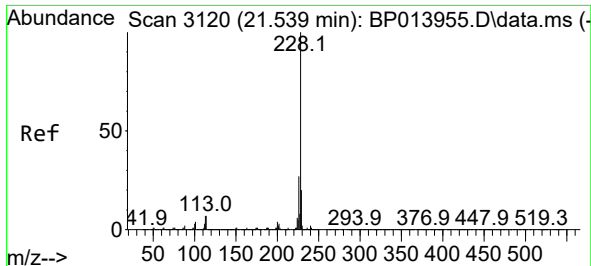
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 7.6 5.8 8.6

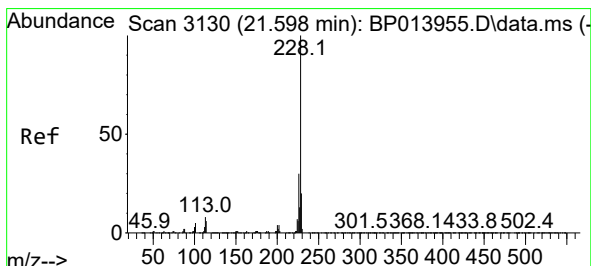
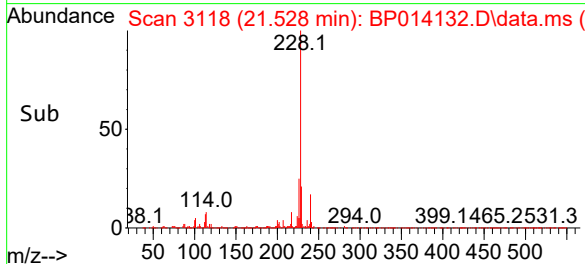
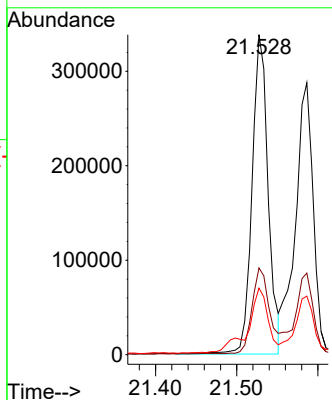
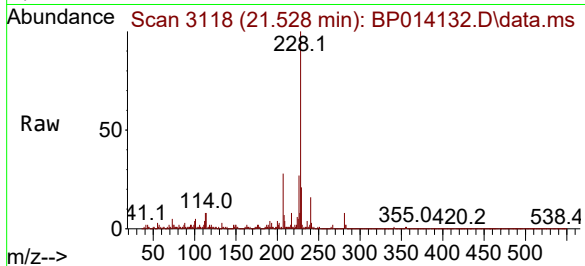




#81
Benzo(a)anthracene
Concen: 8.950 ng
RT: 21.528 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

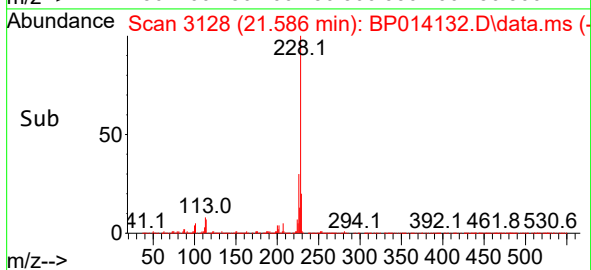
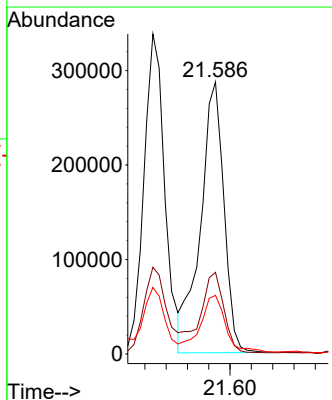
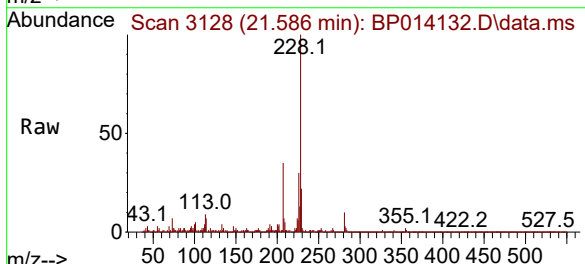
Instrument :
BNA_P
ClientSampleId :
MAPLE-4

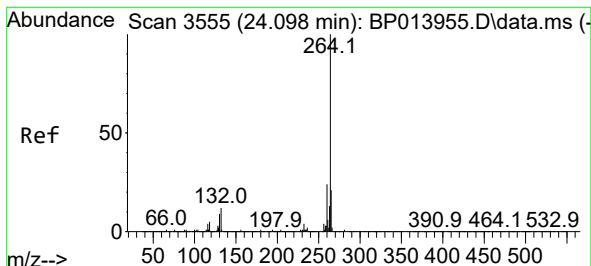
Tgt Ion:228 Resp: 466052
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.8
229 20.8 15.8 23.6



#83
Chrysene
Concen: 8.907 ng
RT: 21.586 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

Tgt Ion:228 Resp: 439213
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.4
229 21.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.080 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP014132.D

Acq: 17 Mar 2023 21:38

Instrument :

BNA_P

ClientSampleId :

MAPLE-4

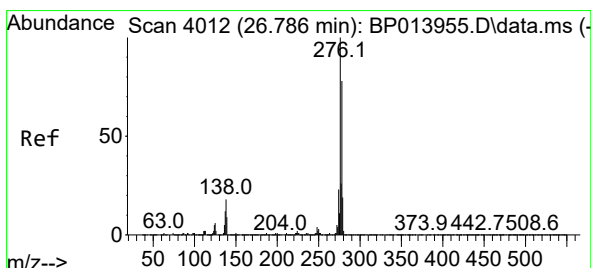
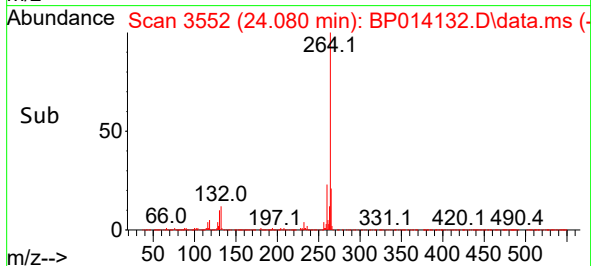
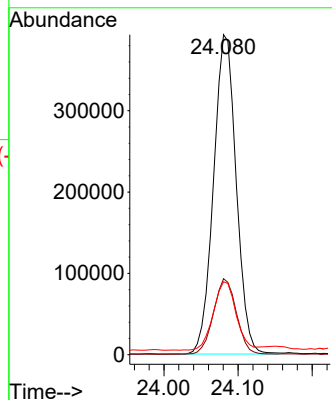
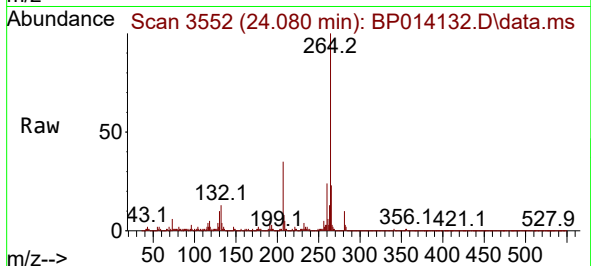
Tgt Ion:264 Resp: 834847

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 22.8 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.982 ng

RT: 26.745 min Scan# 4005

Delta R.T. -0.018 min

Lab File: BP014132.D

Acq: 17 Mar 2023 21:38

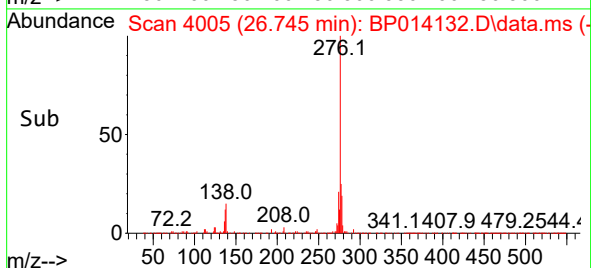
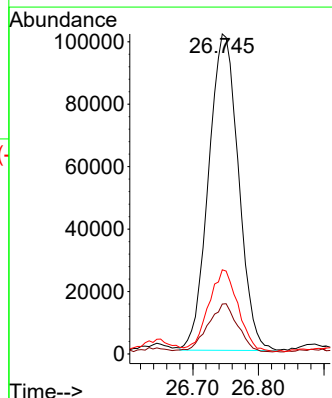
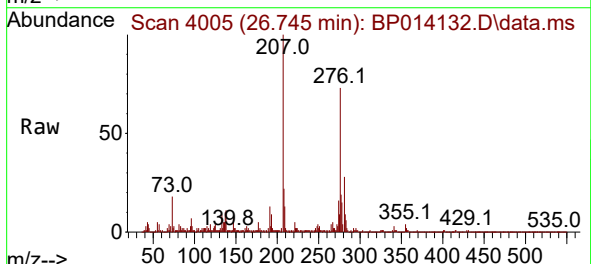
Tgt Ion:276 Resp: 321401

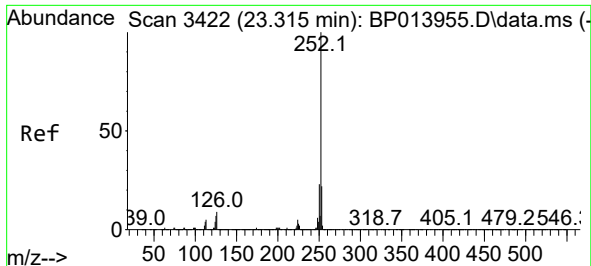
Ion Ratio Lower Upper

276 100

138 15.2 13.8 20.8

277 25.3 20.4 30.6

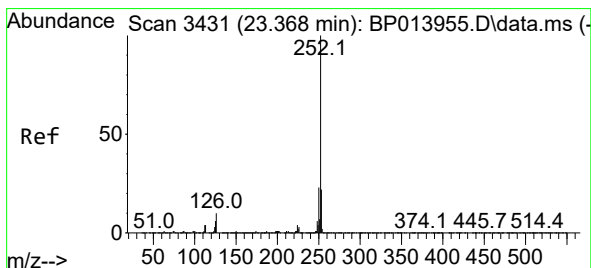
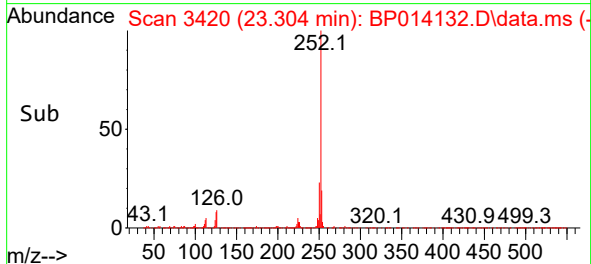
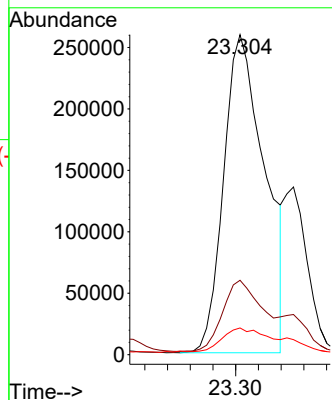
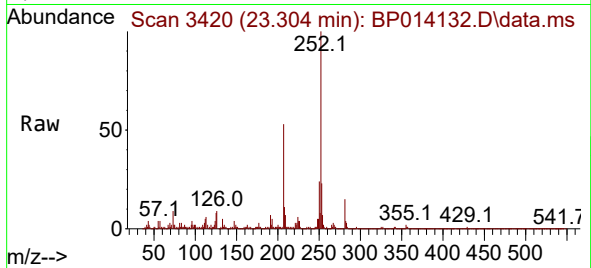




#88
Benzo(b)fluoranthene
Concen: 11.931 ng
RT: 23.304 min Scan# 3420
Delta R.T. -0.006 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

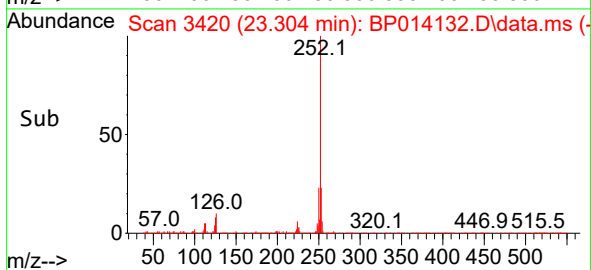
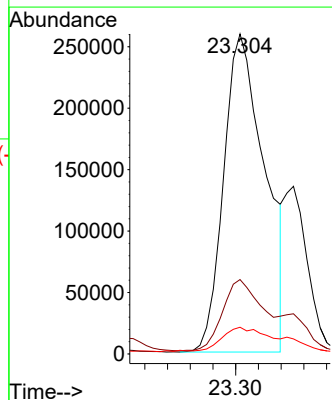
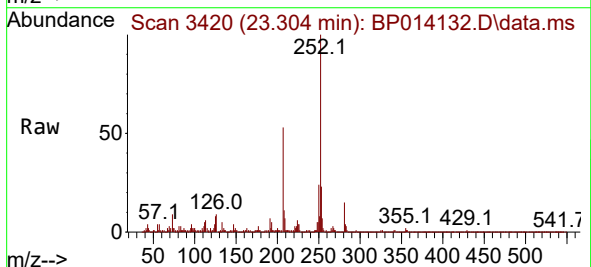
Instrument :
BNA_P
ClientSampleId :
MAPLE-4

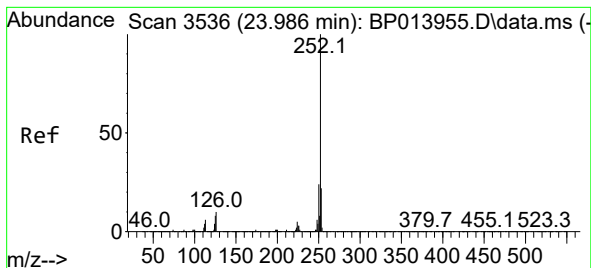
Tgt Ion:252 Resp: 652236
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 8.3 5.6 8.4



#89
Benzo(k)fluoranthene
Concen: 12.034 ng
RT: 23.304 min Scan# 3420
Delta R.T. -0.059 min
Lab File: BP014132.D
Acq: 17 Mar 2023 21:38

Tgt Ion:252 Resp: 652236
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 8.3 5.4 8.0#





#90

Benzo(a)pyrene

Concen: 8.671 ng

RT: 23.969 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP014132.D

Acq: 17 Mar 2023 21:38

Instrument :

BNA_P

ClientSampleId :

MAPLE-4

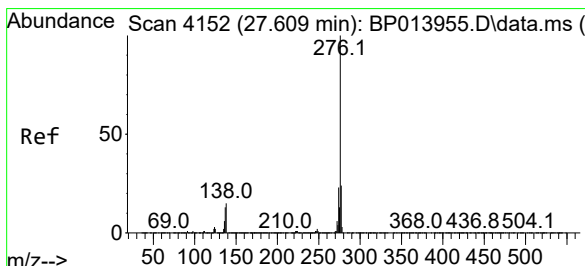
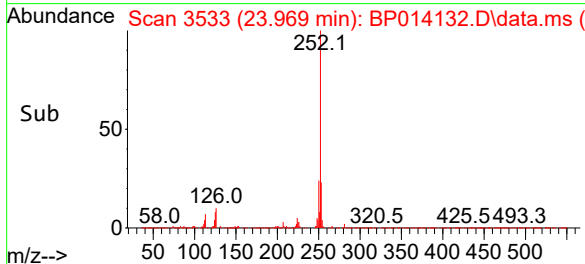
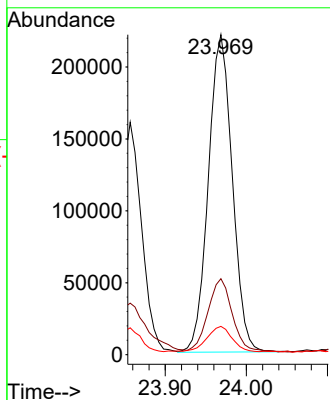
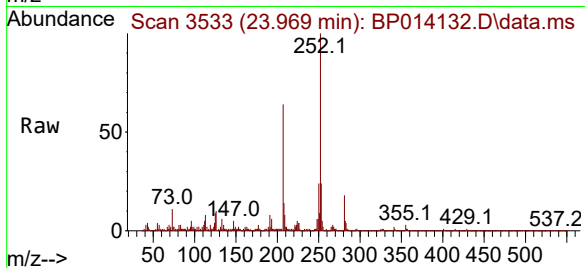
Tgt Ion:252 Resp: 452107

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.2

125 8.8 6.2 9.4



#92

Benzo(g,h,i)perylene

Concen: 5.855 ng

RT: 27.574 min Scan# 4146

Delta R.T. -0.012 min

Lab File: BP014132.D

Acq: 17 Mar 2023 21:38

Tgt Ion:276 Resp: 311192

Ion Ratio Lower Upper

276 100

277 26.4 19.4 29.0

138 15.5 12.2 18.4

