

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
 Data File : BP013574.D
 Acq On : 24 Jan 2023 17:02
 Operator : CG/JU
 Sample : 01252-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-9

Quant Time: Jan 25 03:49:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 25 03:43:27 2023
 Response via : Initial Calibration

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

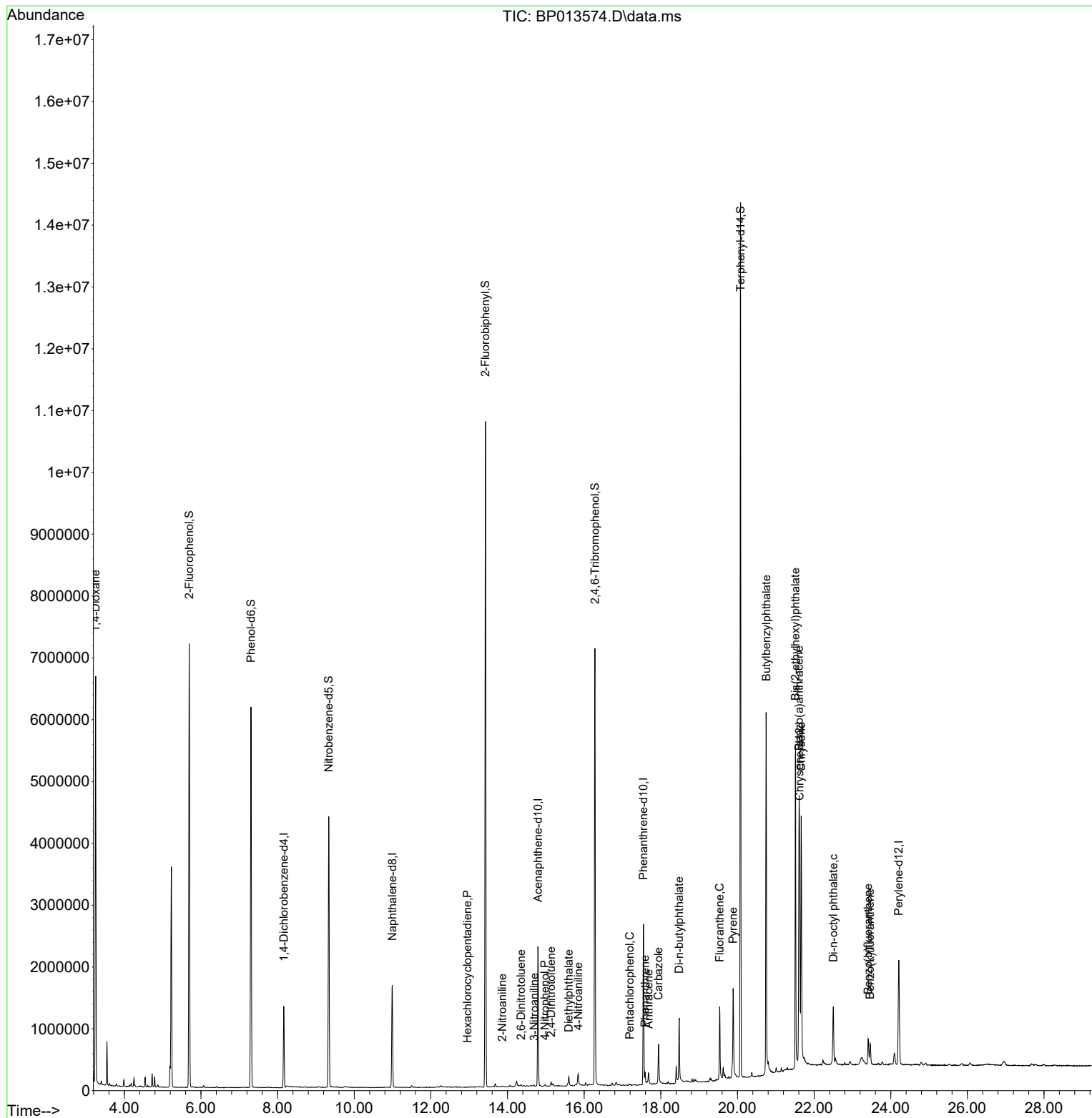
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	367509	20.000	ng	0.00
21) Naphthalene-d8	10.993	136	1414538	20.000	ng	0.00
39) Acenaphthene-d10	14.793	164	774819	20.000	ng	0.00
64) Phenanthrene-d10	17.545	188	1498405	20.000	ng	0.00
76) Chrysene-d12	21.622	240	1153069	20.000	ng	0.00
86) Perylene-d12	24.210	264	1358530	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.693	112	3219183	150.081	ng	0.00
7) Phenol-d6	7.305	99	3724914	129.031	ng	0.00
23) Nitrobenzene-d5	9.334	82	2497057	116.538	ng	0.00
42) 2,4,6-Tribromophenol	16.281	330	1398346	179.926	ng	0.00
45) 2-Fluorobiphenyl	13.422	172	5618183	99.530	ng	0.00
79) Terphenyl-d14	20.081	244	6713143	104.737	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.252	88	39850	4.609	ng	# 1
41) Hexachlorocyclopentadiene	12.951	237	37	3.906	ng	83
48) 2-Nitroaniline	13.863	65	7817	6.801	ng	95
51) 2,6-Dinitrotoluene	14.351	165	8766	5.859	ng	# 82
53) 3-Nitroaniline	14.693	138	7878	5.951	ng	# 93
54) 2,4-Dinitrophenol	14.893	184	221	Below Cal		# 1
56) 4-Nitrophenol	14.975	139	7050	5.868	ng	97
57) 2,4-Dinitrotoluene	15.140	165	22493	6.696	ng	98
60) Diethylphthalate	15.598	149	119490	2.124	ng	98
62) 4-Nitroaniline	15.845	138	44955	7.036	ng	96
70) Pentachlorophenol	17.187	266	3268	5.584	ng	# 86
71) Phenanthrene	17.587	178	174929	2.098	ng	98
72) Anthracene	17.681	178	185730	2.195	ng	99
73) Carbazole	17.939	167	534699	7.032	ng	99
74) Di-n-butylphthalate	18.481	149	962672	11.375	ng	100
75) Fluoranthene	19.533	202	920411	10.382	ng	99
78) Pyrene	19.886	202	1064467	12.073	ng	99
80) Butylbenzylphthalate	20.751	149	2092177	74.530	ng	96
81) Benzo(a)anthracene	21.610	228	2387520	29.721	ng	100
83) Chrysene	21.663	228	2503635	32.586	ng	99
84) Bis(2-ethylhexyl)phtha...	21.516	149	2191677	48.784	ng	100
85) Di-n-octyl phthalate	22.504	149	694155	9.584	ng	97
88) Benzo(b)fluoranthene	23.410	252	323101	3.866	ng	98
89) Benzo(k)fluoranthene	23.463	252	294975	3.460	ng	99

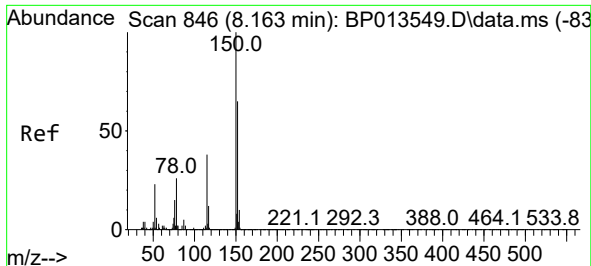
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
Data File : BP013574.D
Acq On : 24 Jan 2023 17:02
Operator : CG/JU
Sample : 01252-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-9

Quant Time: Jan 25 03:49:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
Response via : Initial Calibration

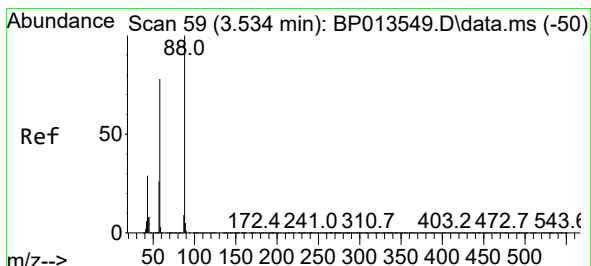
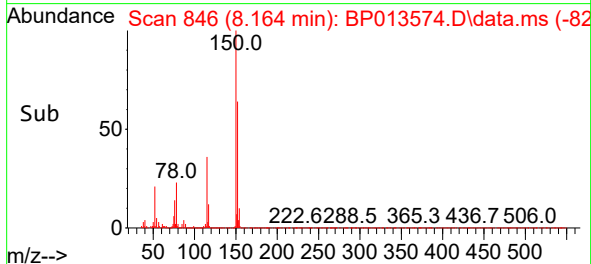
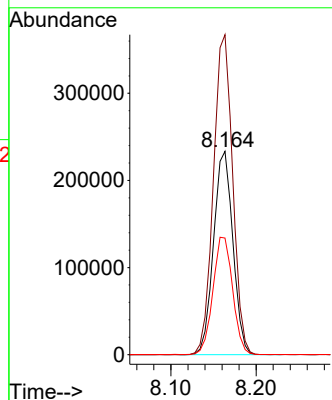
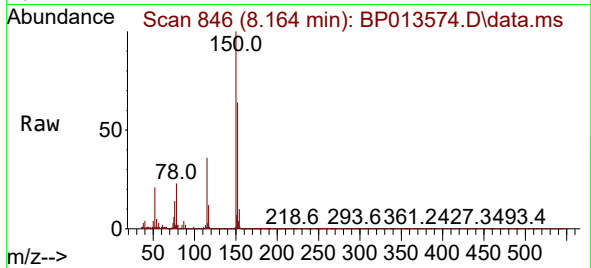




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 84
Delta R.T. -0.000 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

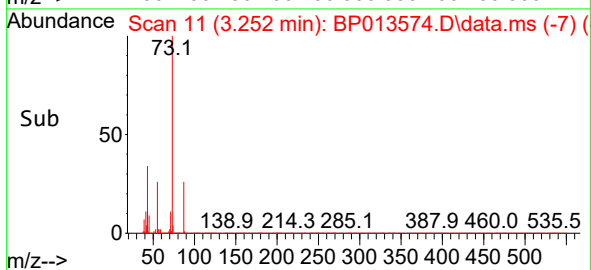
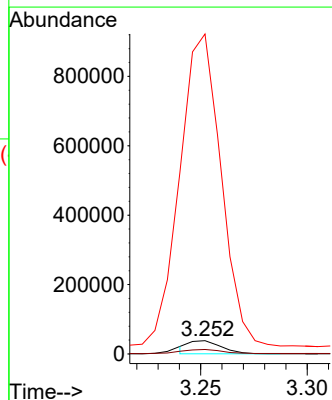
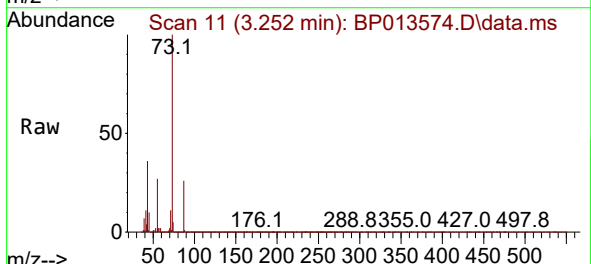
Instrument :
BNA_P
ClientSampleId :
MH-9

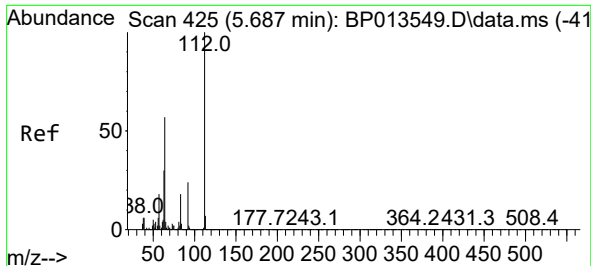
Tgt Ion:152 Resp: 367509
Ion Ratio Lower Upper
152 100
150 157.4 122.4 183.6
115 57.4 46.1 69.1



#2
1,4-Dioxane
Concen: 4.609 ng
RT: 3.252 min Scan# 11
Delta R.T. -0.277 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Tgt Ion: 88 Resp: 39850
Ion Ratio Lower Upper
88 100
58 30.6 63.6 95.4#
43 2480.9 24.2 36.2#

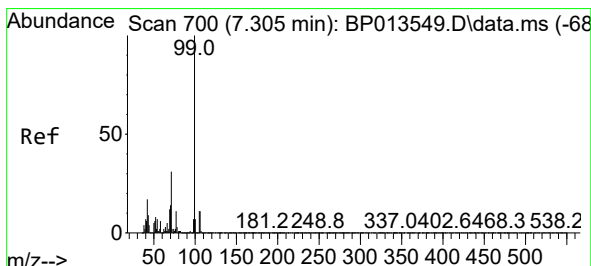
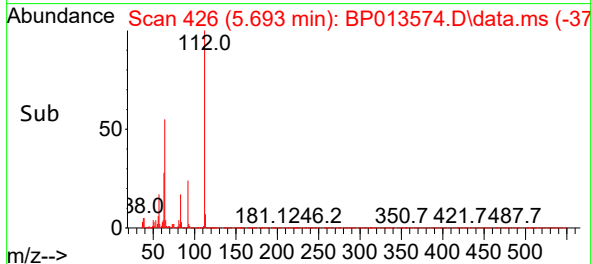
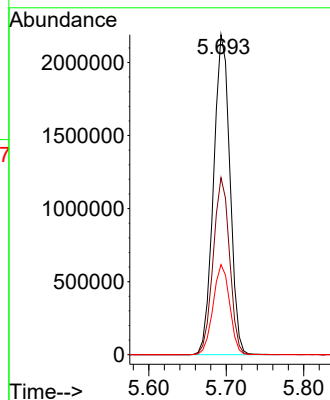
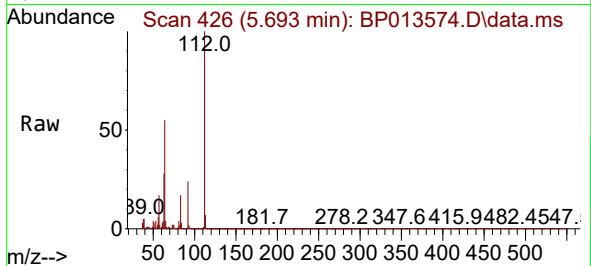




#5
2-Fluorophenol
Concen: 150.081 ng
RT: 5.693 min Scan# 41
Delta R.T. 0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

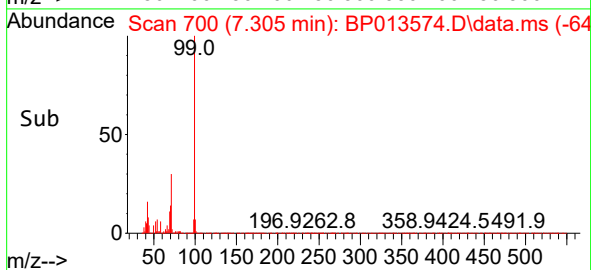
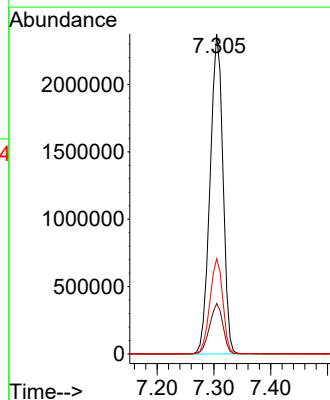
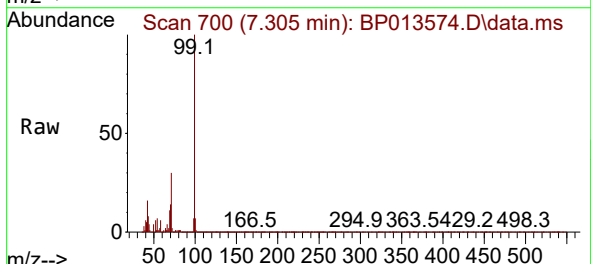
Instrument :
BNA_P
ClientSampleId :
MH-9

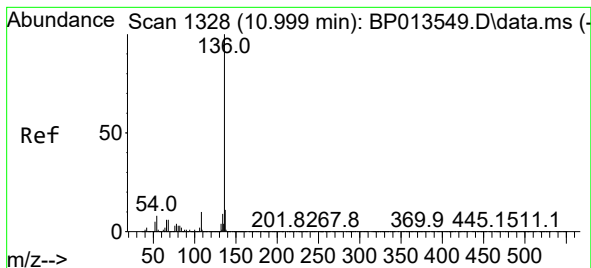
Tgt Ion:112 Resp: 3219183
Ion Ratio Lower Upper
112 100
64 55.3 45.4 68.0
63 28.1 24.1 36.1



#7
Phenol-d6
Concen: 129.031 ng
RT: 7.305 min Scan# 700
Delta R.T. 0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Tgt Ion: 99 Resp: 3724914
Ion Ratio Lower Upper
99 100
42 15.8 14.0 21.0
71 29.8 24.7 37.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.993 min Scan# 11

Delta R.T. -0.000 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

Instrument :

BNA_P

ClientSampleId :

MH-9

Tgt Ion:136 Resp: 1414538

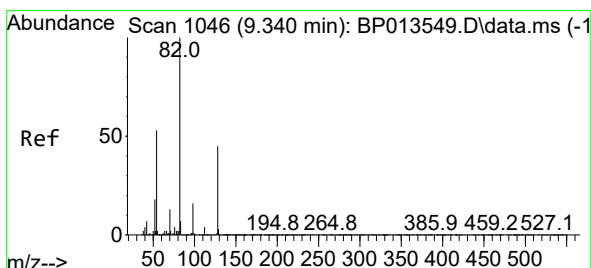
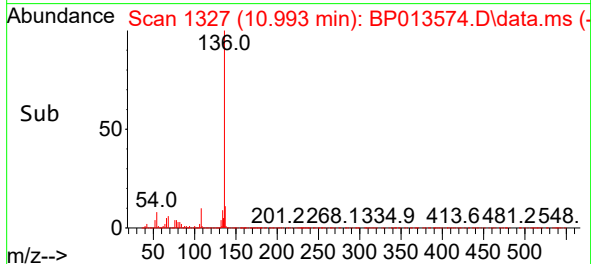
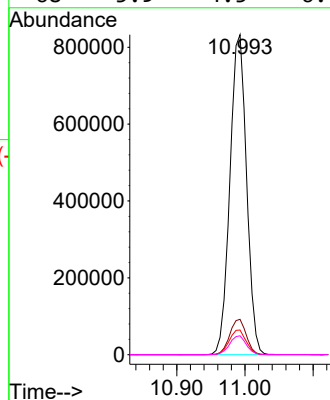
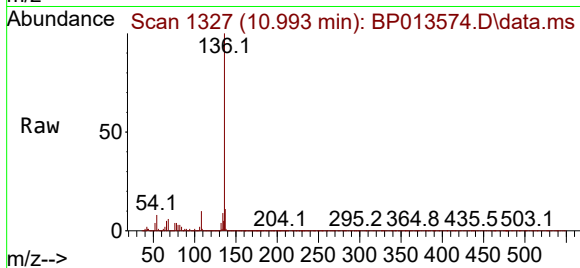
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.7 6.6 9.8

68 5.9 4.5 6.7



#23

Nitrobenzene-d5

Concen: 116.538 ng

RT: 9.334 min Scan# 1045

Delta R.T. -0.000 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

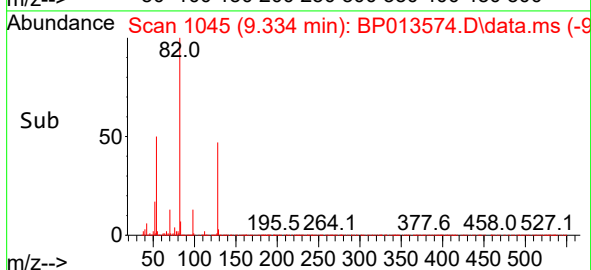
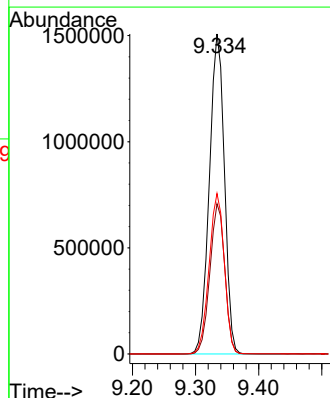
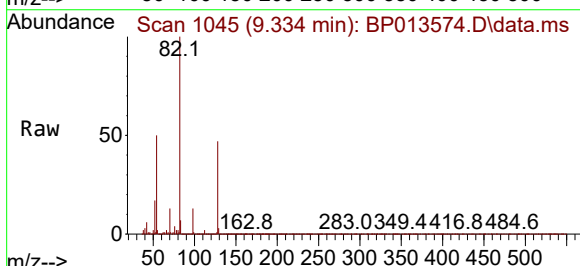
Tgt Ion: 82 Resp: 2497057

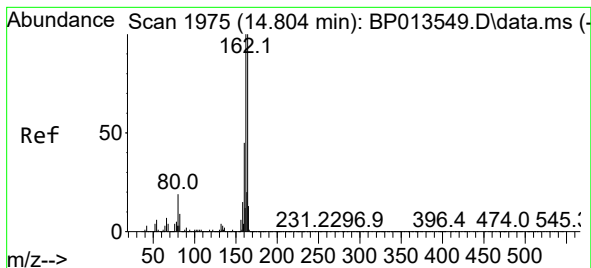
Ion Ratio Lower Upper

82 100

128 47.0 35.8 53.6

54 50.1 42.6 64.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.793 min Scan# 1975

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

Instrument :

BNA_P

ClientSampleId :

MH-9

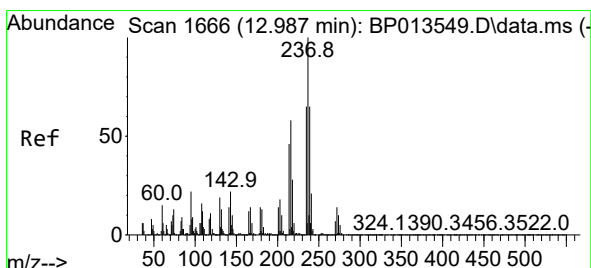
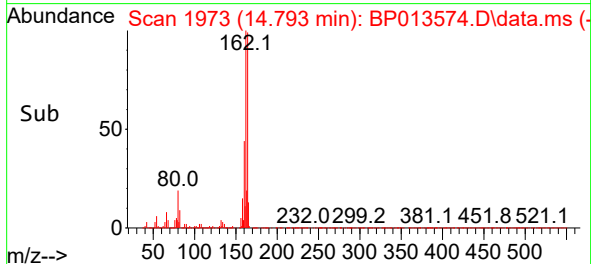
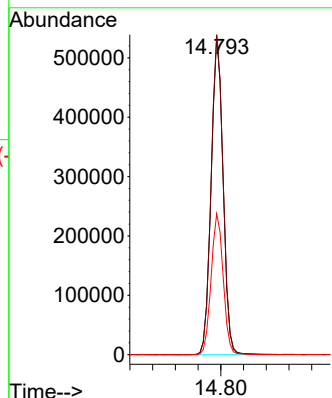
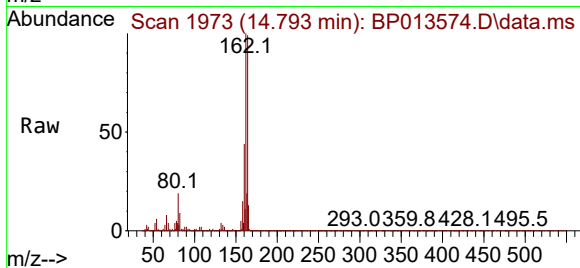
Tgt Ion:164 Resp: 774819

Ion Ratio Lower Upper

164 100

162 100.6 80.1 120.1

160 44.3 35.9 53.9



#41

Hexachlorocyclopentadiene

Concen: 3.906 ng

RT: 12.951 min Scan# 1660

Delta R.T. -0.029 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

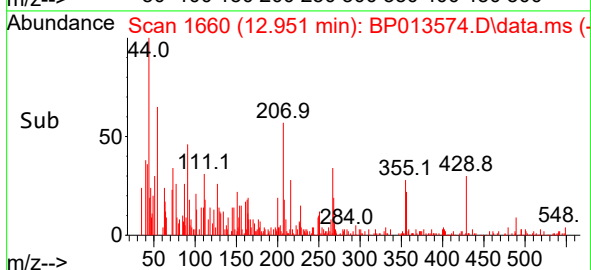
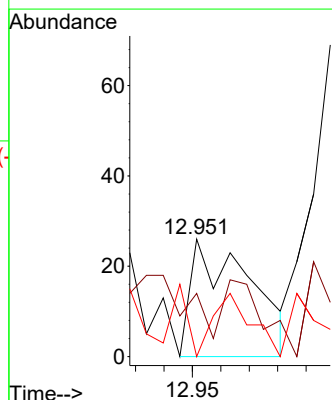
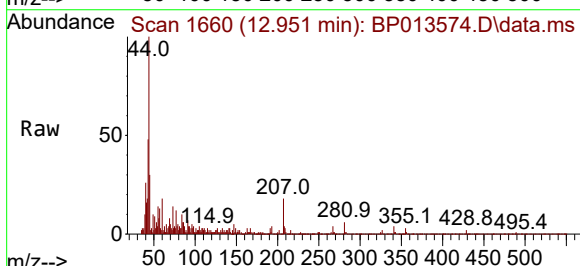
Tgt Ion:237 Resp: 37

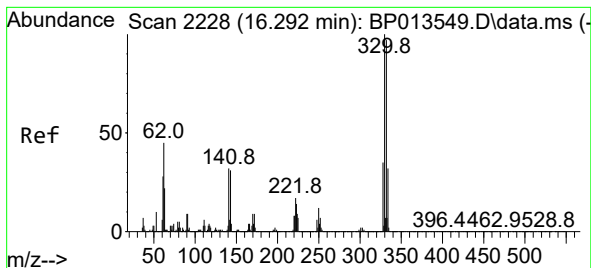
Ion Ratio Lower Upper

237 100

235 53.8 44.6 84.6

272 0.0 0.0 33.9





#42

2,4,6-Tribromophenol

Concen: 179.926 ng

RT: 16.281 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

Instrument :

BNA_P

ClientSampleId :

MH-9

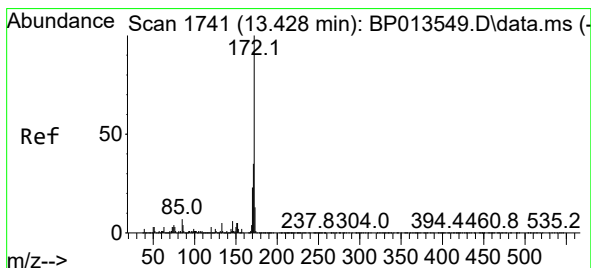
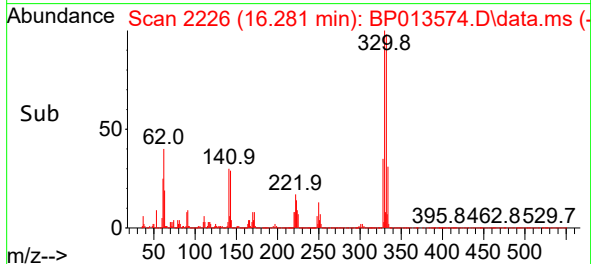
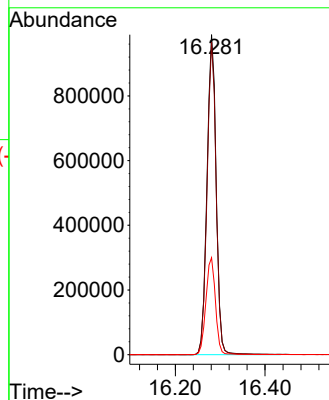
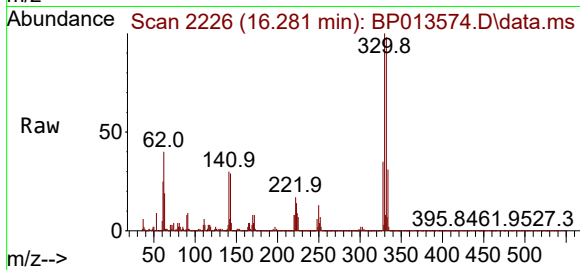
Tgt Ion:330 Resp: 1398346

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.2

141 31.6 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 99.530 ng

RT: 13.422 min Scan# 1740

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

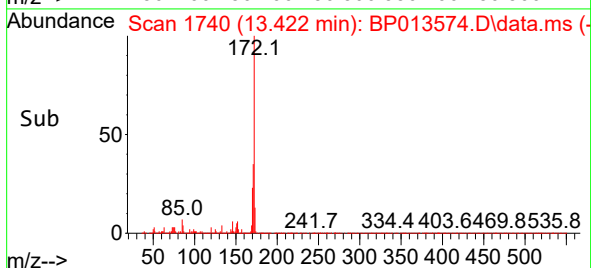
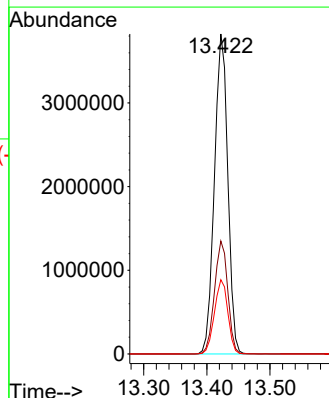
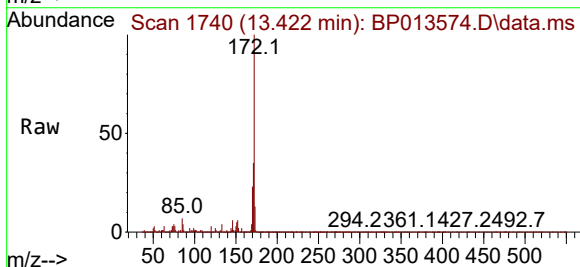
Tgt Ion:172 Resp: 5618183

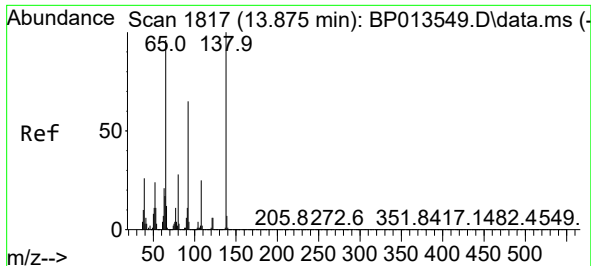
Ion Ratio Lower Upper

172 100

171 35.3 27.8 41.8

170 23.2 18.6 27.8

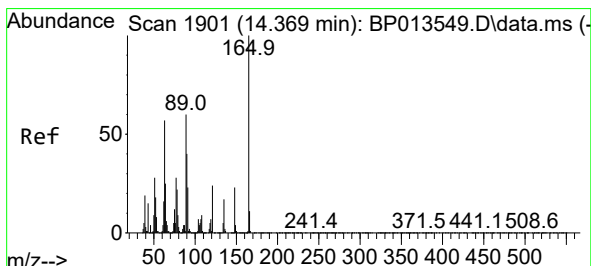
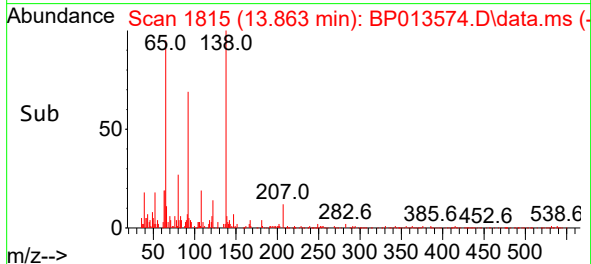
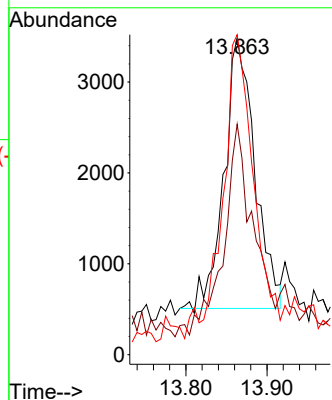
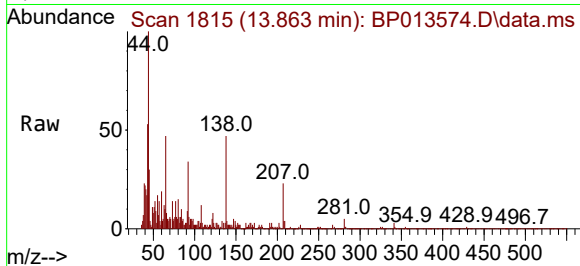




#48
2-Nitroaniline
Concen: 6.801 ng
RT: 13.863 min Scan# 1817
Delta R.T. -0.012 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

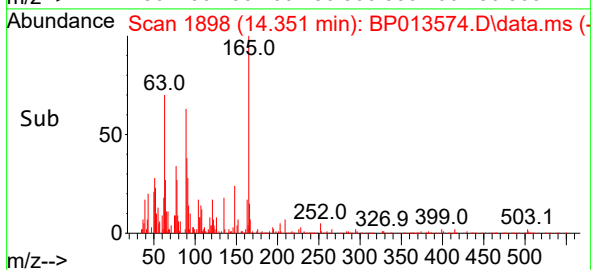
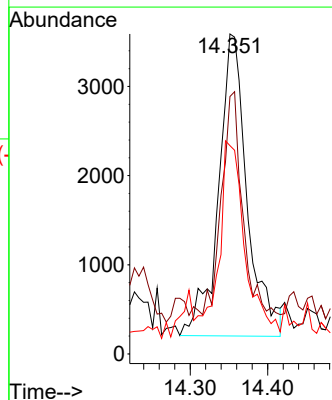
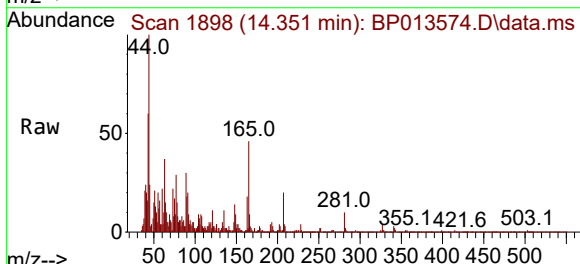
Instrument :
BNA_P
ClientSampleId :
MH-9

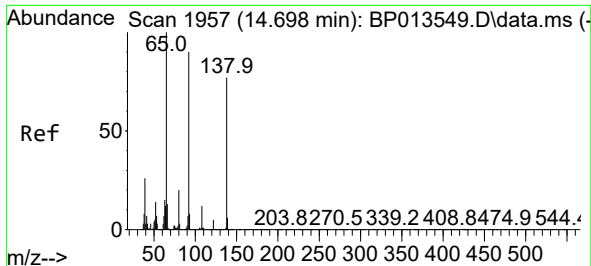
Tgt Ion: 65 Resp: 7817
Ion Ratio Lower Upper
65 100
92 72.8 54.1 81.1
138 101.1 83.6 125.4



#51
2,6-Dinitrotoluene
Concen: 5.859 ng
RT: 14.351 min Scan# 1898
Delta R.T. -0.012 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Tgt Ion: 165 Resp: 8766
Ion Ratio Lower Upper
165 100
63 80.4 47.2 70.8#
89 65.1 47.8 71.6

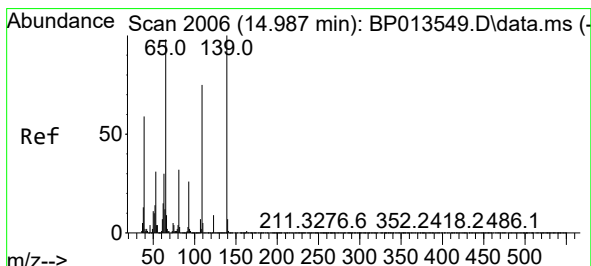
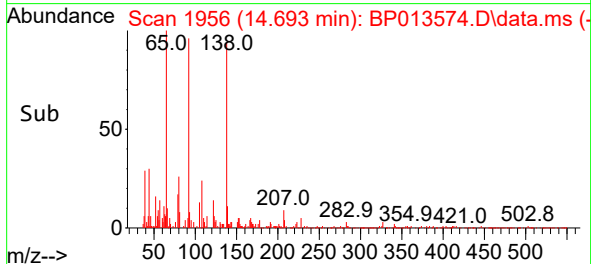
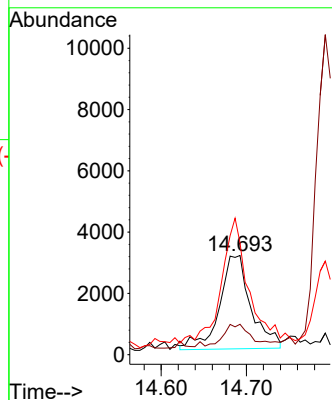
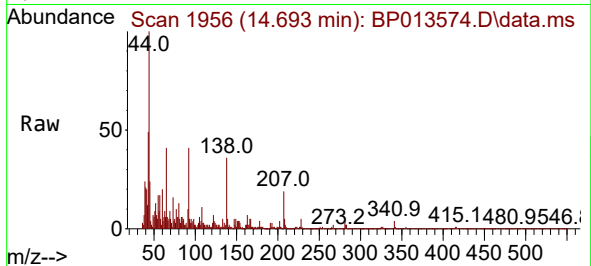




#53
3-Nitroaniline
Concen: 5.951 ng
RT: 14.693 min Scan# 1957
Delta R.T. -0.000 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

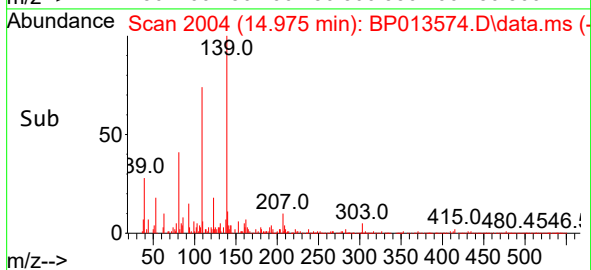
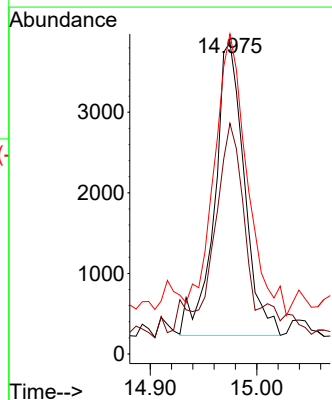
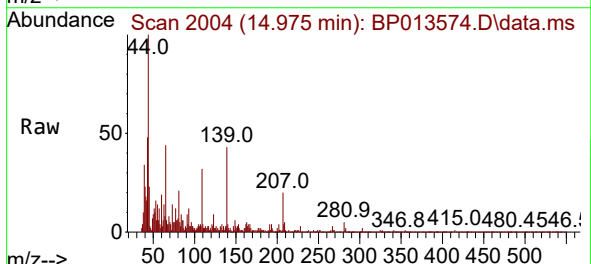
Instrument :
BNA_P
ClientSampleId :
MH-9

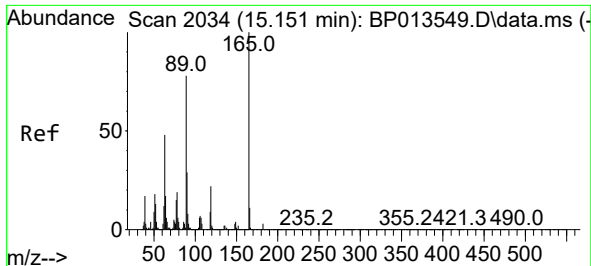
Tgt Ion:138 Resp: 7878
Ion Ratio Lower Upper
138 100
108 30.7 12.8 19.2#
92 112.5 93.3 139.9



#56
4-Nitrophenol
Concen: 5.868 ng
RT: 14.975 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Tgt Ion:139 Resp: 7050
Ion Ratio Lower Upper
139 100
109 73.9 55.0 95.0
65 102.6 77.7 117.7

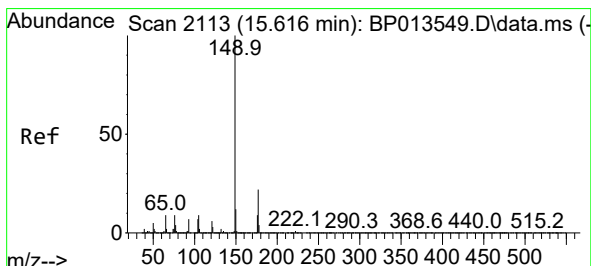
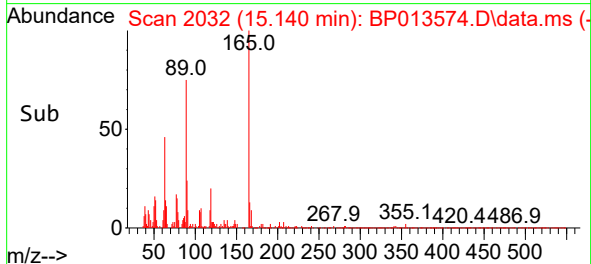
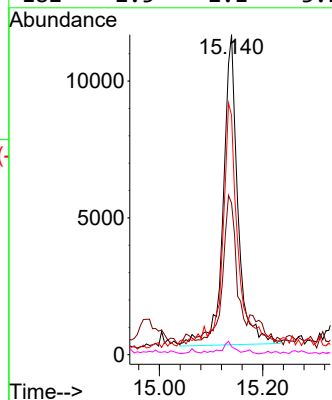
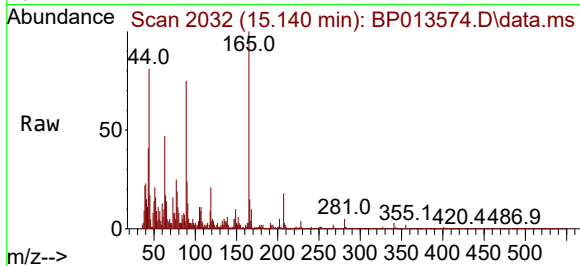




#57
2,4-Dinitrotoluene
Concen: 6.696 ng
RT: 15.140 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

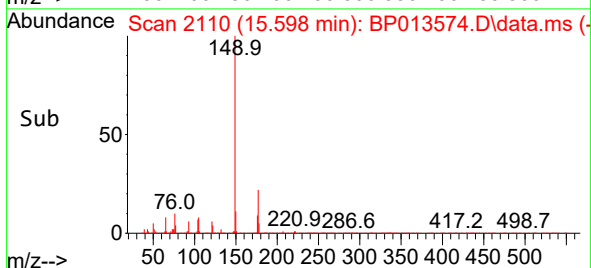
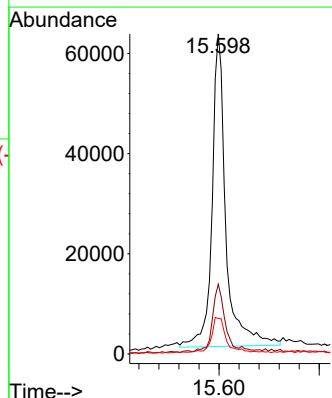
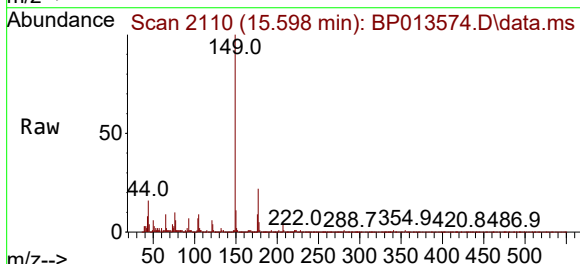
Instrument :
BNA_P
ClientSampleId :
MH-9

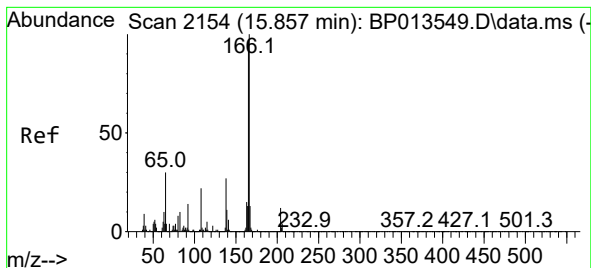
Tgt Ion:165	Resp:	22493
Ion Ratio	Lower	Upper
165	100	
63	47.4	38.3 57.5
89	74.8	62.1 93.1
182	2.5	2.1 3.1



#60
Diethylphthalate
Concen: 2.124 ng
RT: 15.598 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Tgt Ion:149	Resp:	119490
Ion Ratio	Lower	Upper
149	100	
177	21.8	17.8 26.6
150	11.1	9.8 14.6

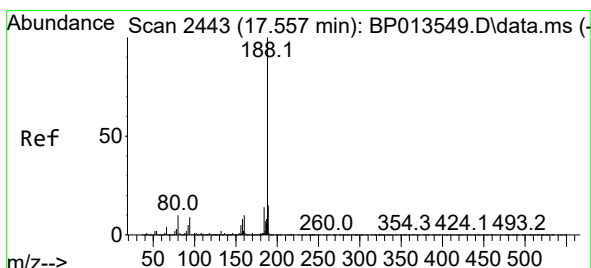
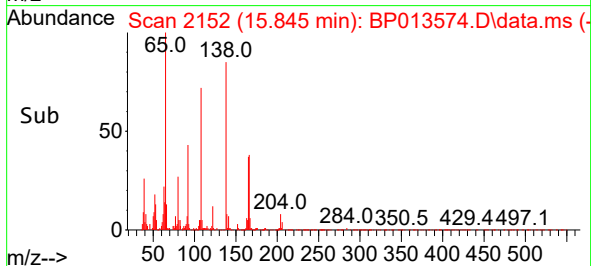
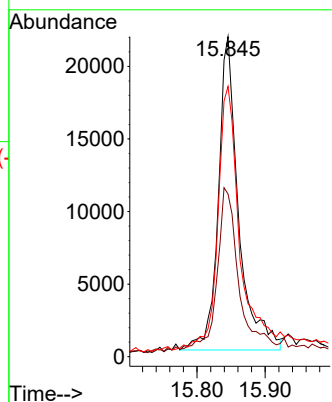
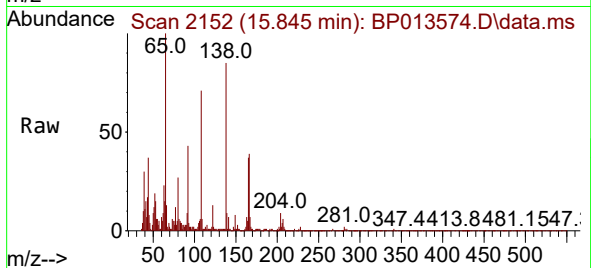




#62
4-Nitroaniline
Concen: 7.036 ng
RT: 15.845 min Scan# 2154
Delta R.T. -0.012 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

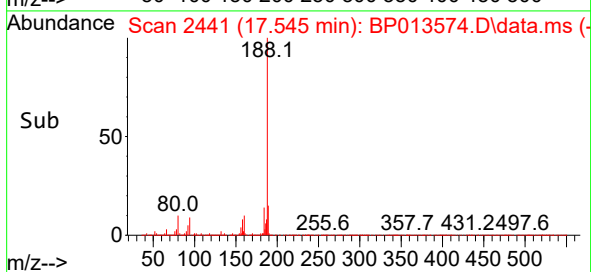
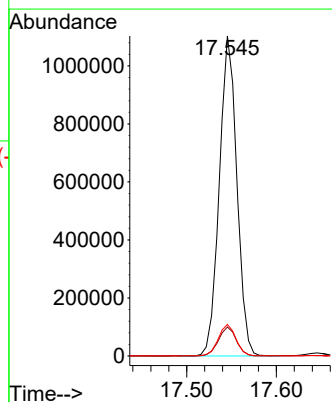
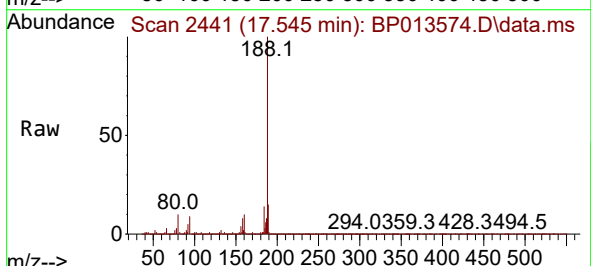
Instrument :
BNA_P
ClientSampleId :
MH-9

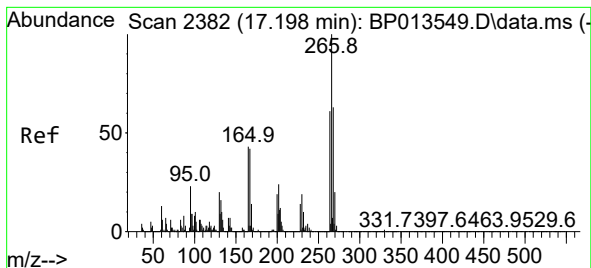
Tgt Ion:138 Resp: 44955
Ion Ratio Lower Upper
138 100
92 50.8 32.3 72.3
108 84.5 59.2 99.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.545 min Scan# 2441
Delta R.T. -0.006 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Tgt Ion:188 Resp: 1498405
Ion Ratio Lower Upper
188 100
94 9.0 7.2 10.8
80 9.9 8.2 12.2





#70

Pentachlorophenol

Concen: 5.584 ng

RT: 17.187 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

Instrument :

BNA_P

ClientSampleId :

MH-9

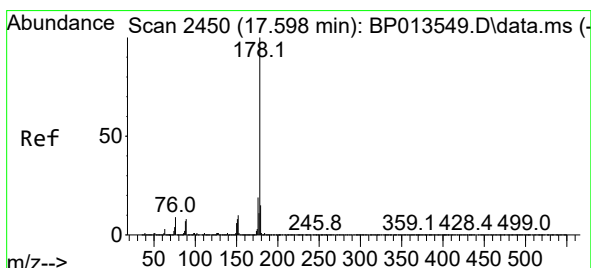
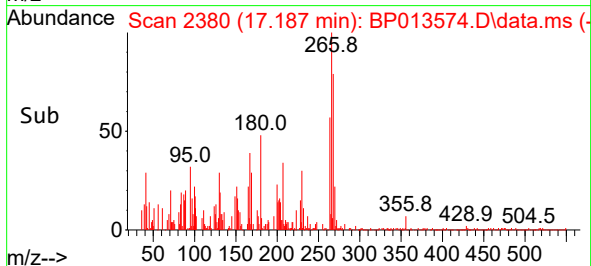
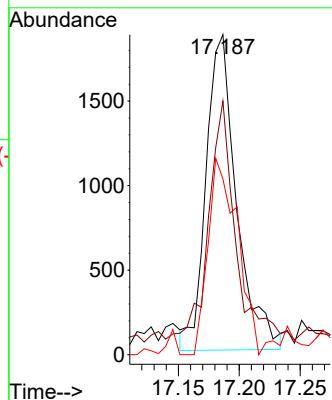
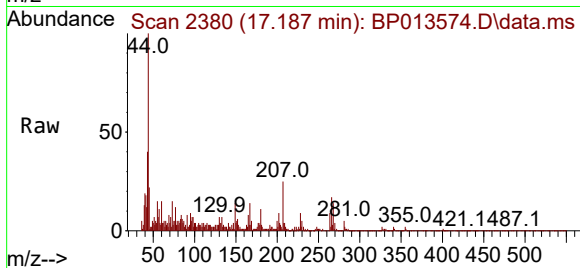
Tgt Ion:266 Resp: 3268

Ion Ratio Lower Upper

266 100

268 79.2 50.7 76.1#

264 54.9 48.9 73.3



#71

Phenanthrene

Concen: 2.098 ng

RT: 17.587 min Scan# 2448

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

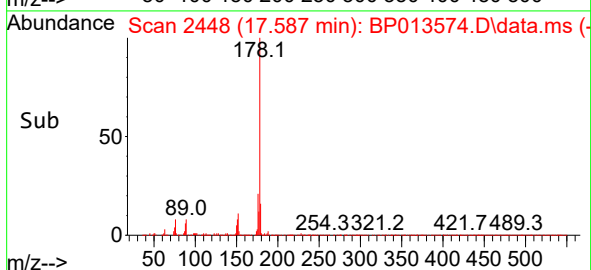
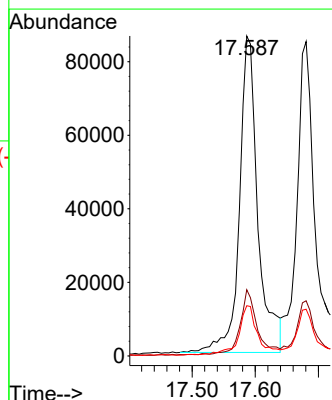
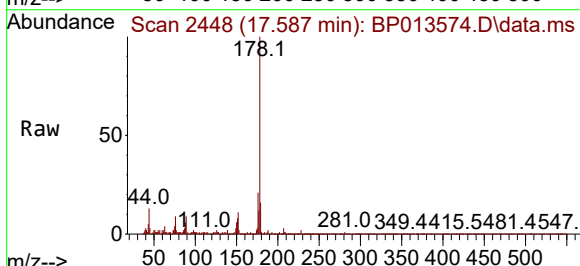
Tgt Ion:178 Resp: 174929

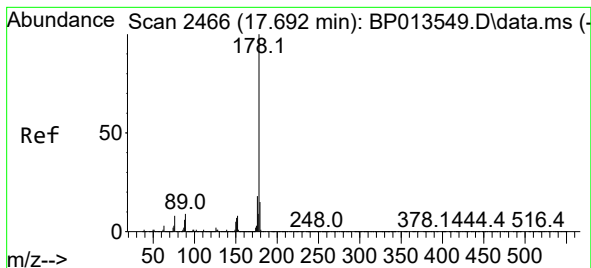
Ion Ratio Lower Upper

178 100

176 20.7 15.5 23.3

179 15.7 12.2 18.4





#72

Anthracene

Concen: 2.195 ng

RT: 17.681 min Scan# 2466

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

Instrument :

BNA_P

ClientSampleId :

MH-9

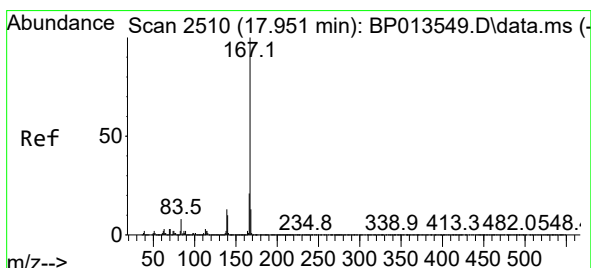
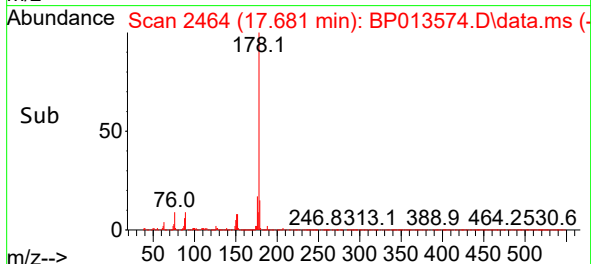
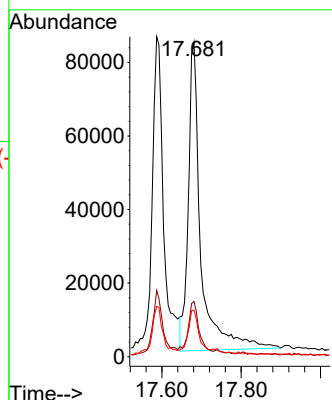
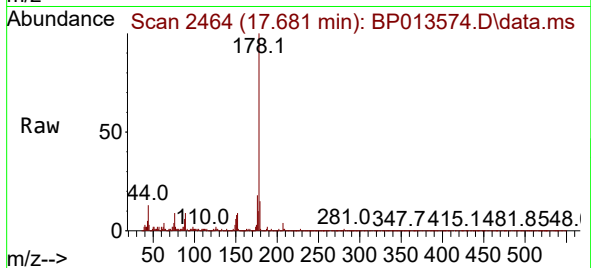
Tgt Ion:178 Resp: 185730

Ion Ratio Lower Upper

178 100

176 17.5 14.6 22.0

179 14.9 12.3 18.5



#73

Carbazole

Concen: 7.032 ng

RT: 17.939 min Scan# 2508

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

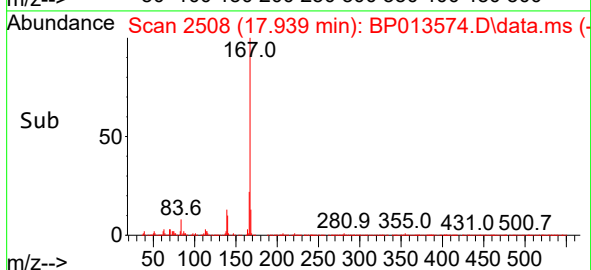
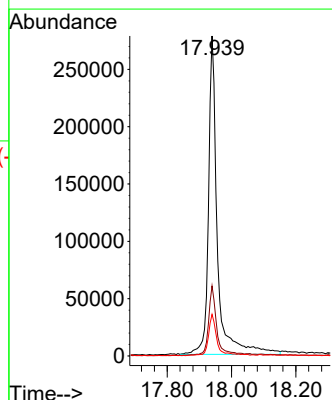
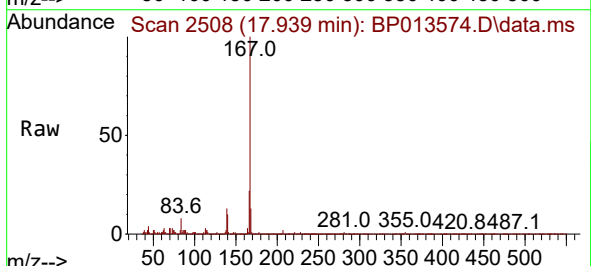
Tgt Ion:167 Resp: 534699

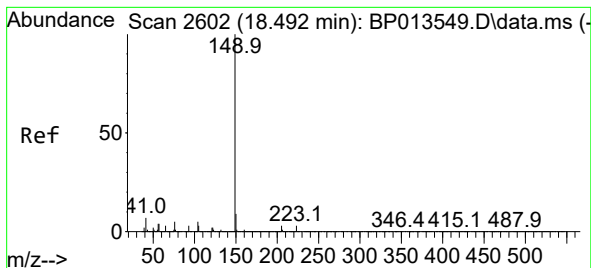
Ion Ratio Lower Upper

167 100

166 21.9 17.2 25.8

139 13.0 10.3 15.5





#74

Di-n-butylphthalate

Concen: 11.375 ng

RT: 18.481 min Scan# 2

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

Instrument :

BNA_P

ClientSampleId :

MH-9

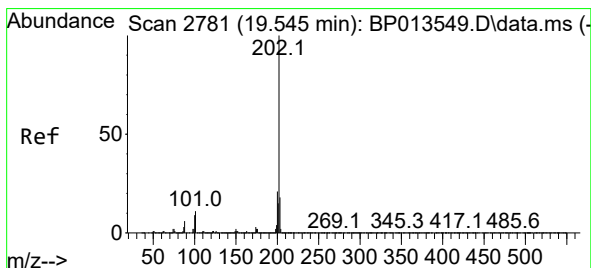
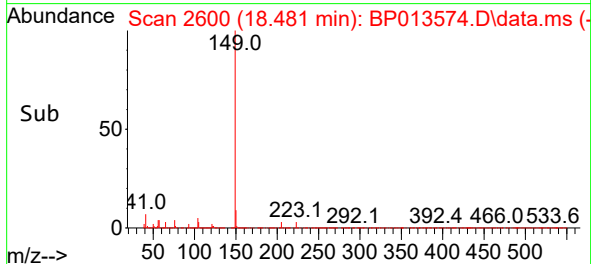
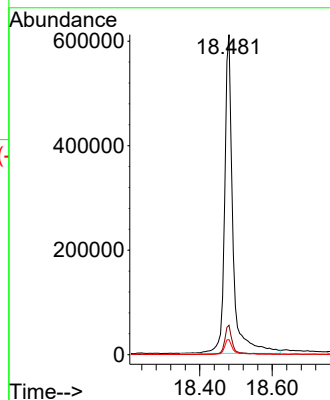
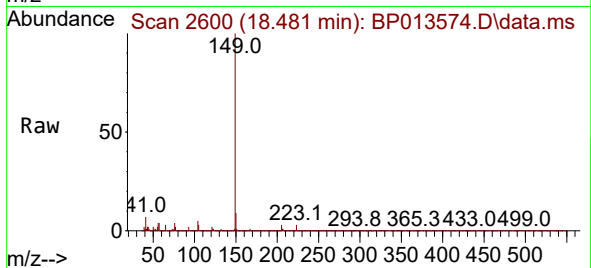
Tgt Ion:149 Resp: 962672

Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

104 4.7 3.9 5.9



#75

Fluoranthene

Concen: 10.382 ng

RT: 19.533 min Scan# 2779

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

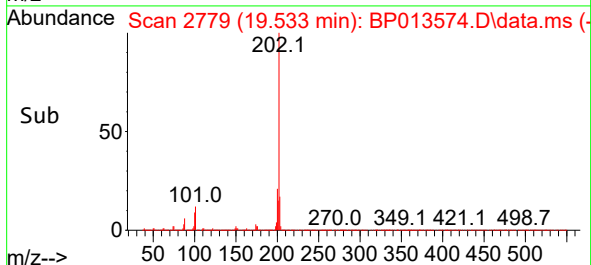
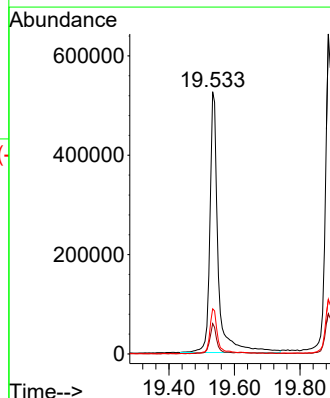
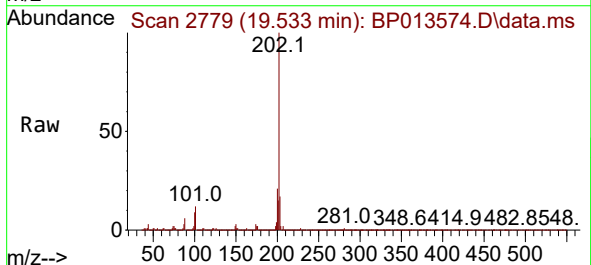
Tgt Ion:202 Resp: 920411

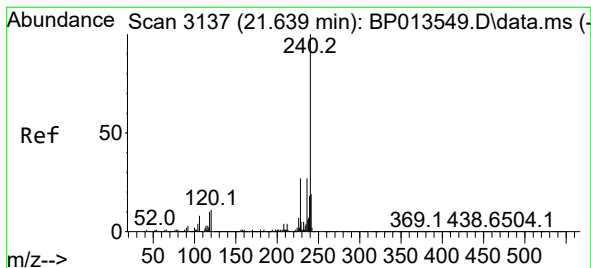
Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.4

203 17.2 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.622 min Scan# 3137

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

Instrument :

BNA_P

ClientSampleId :

MH-9

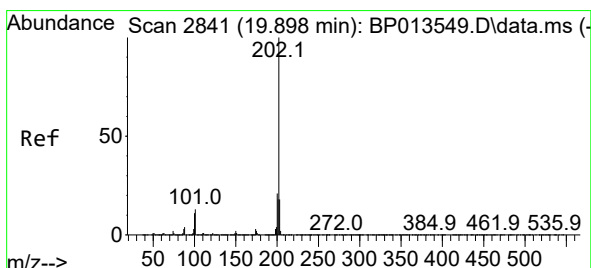
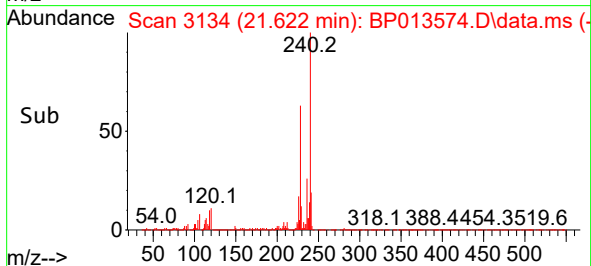
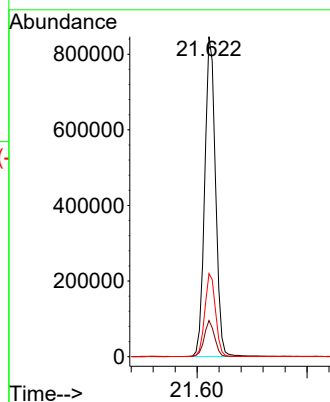
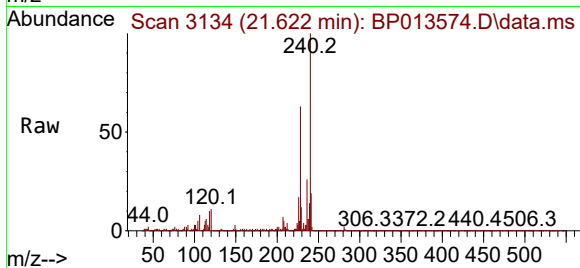
Tgt Ion:240 Resp: 1153069

Ion Ratio Lower Upper

240 100

120 11.3 8.6 13.0

236 25.9 21.3 31.9



#78

Pyrene

Concen: 12.073 ng

RT: 19.886 min Scan# 2839

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

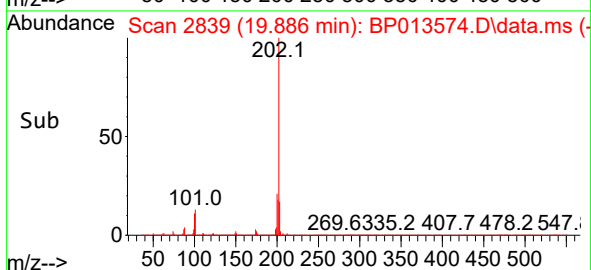
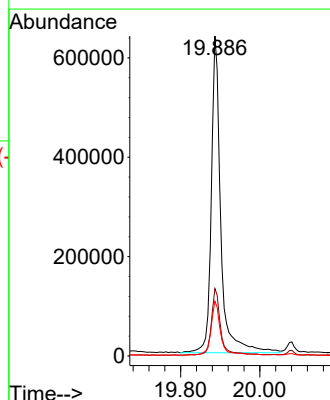
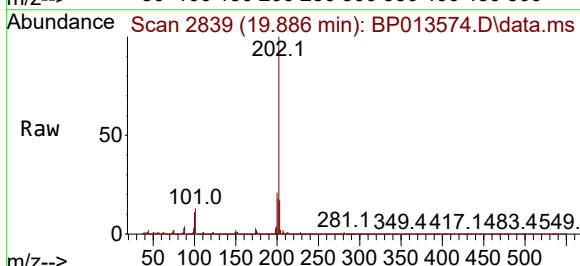
Tgt Ion:202 Resp: 1064467

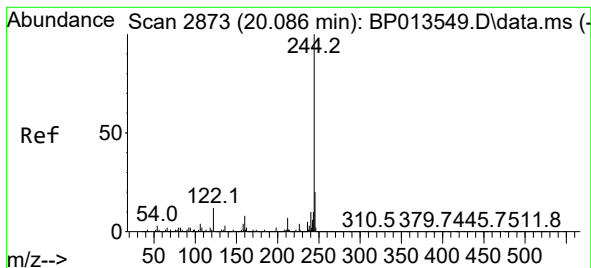
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.6

203 17.1 14.2 21.2





#79

Terphenyl-d14

Concen: 104.737 ng

RT: 20.081 min Scan# 2873

Delta R.T. -0.000 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

Instrument :

BNA_P

ClientSampleId :

MH-9

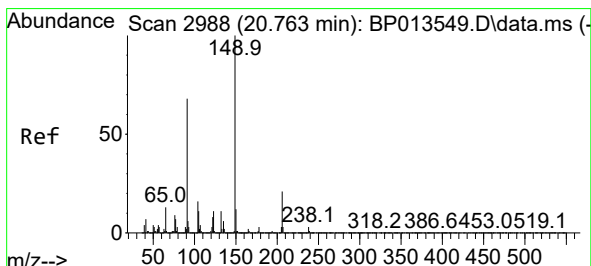
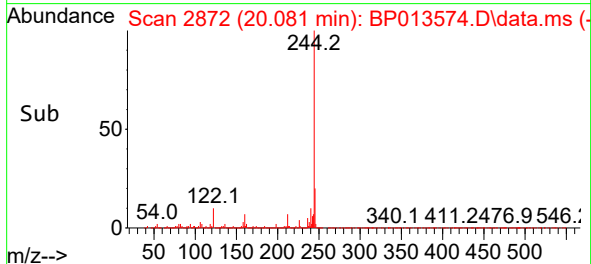
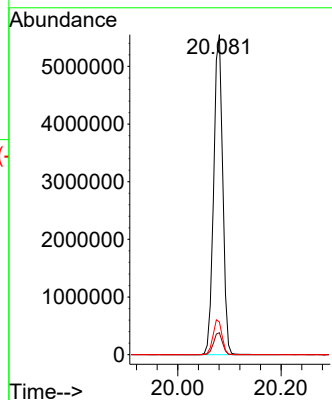
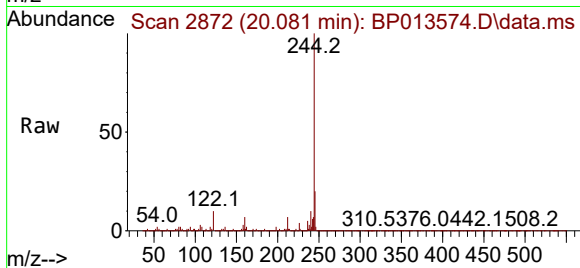
Tgt Ion:244 Resp: 6713143

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 10.3 9.2 13.8



#80

Butylbenzylphthalate

Concen: 74.530 ng

RT: 20.751 min Scan# 2986

Delta R.T. -0.000 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

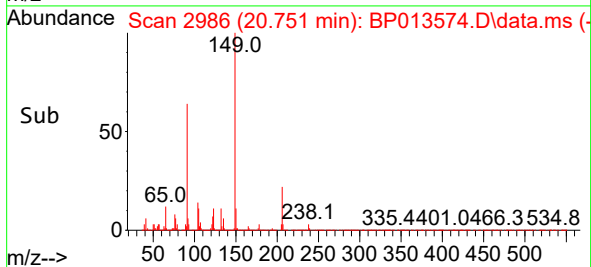
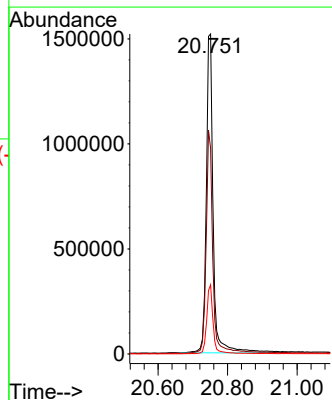
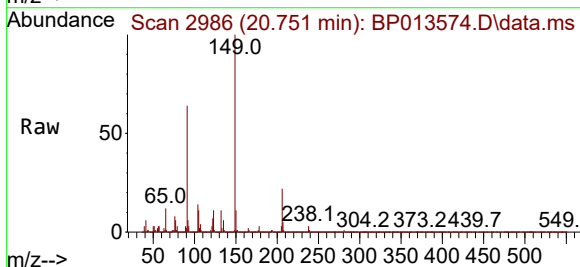
Tgt Ion:149 Resp: 2092177

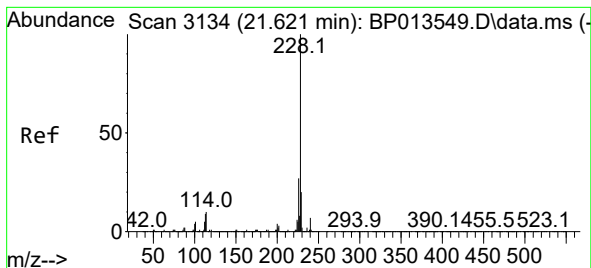
Ion Ratio Lower Upper

149 100

91 64.2 54.6 81.8

206 21.6 16.7 25.1





#81

Benzo(a)anthracene

Concen: 29.721 ng

RT: 21.610 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

Instrument :

BNA_P

ClientSampleId :

MH-9

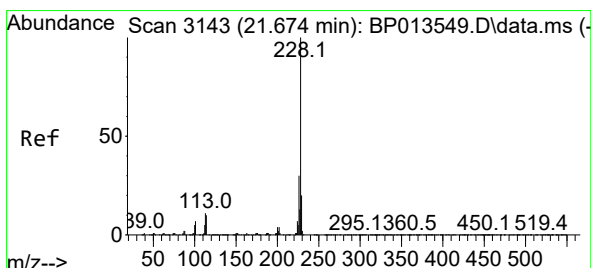
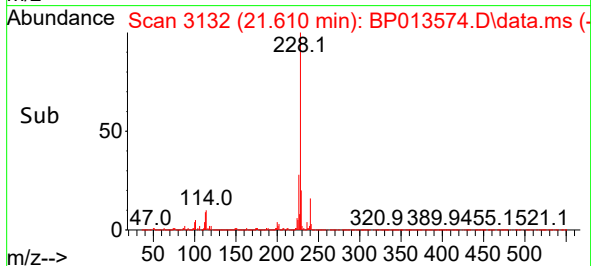
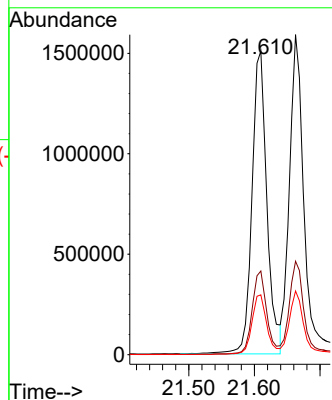
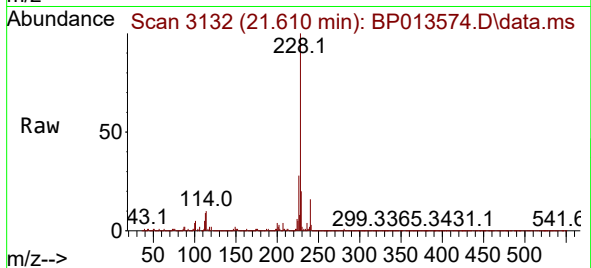
Tgt Ion:228 Resp: 2387520

Ion Ratio Lower Upper

228 100

226 27.6 21.8 32.8

229 19.7 15.8 23.6



#83

Chrysene

Concen: 32.586 ng

RT: 21.663 min Scan# 3141

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

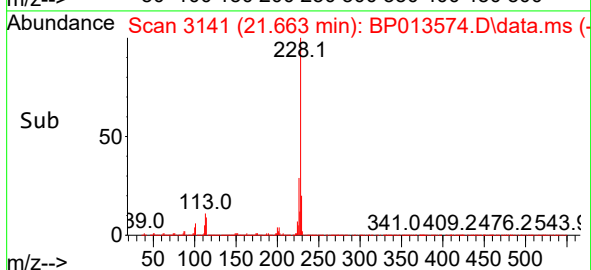
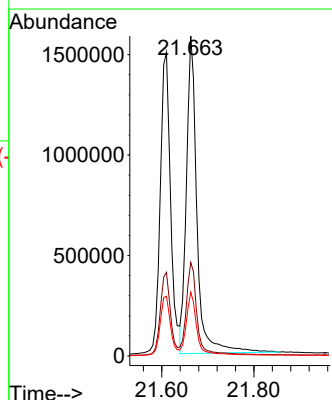
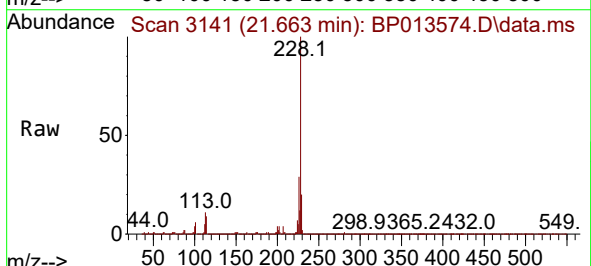
Tgt Ion:228 Resp: 2503635

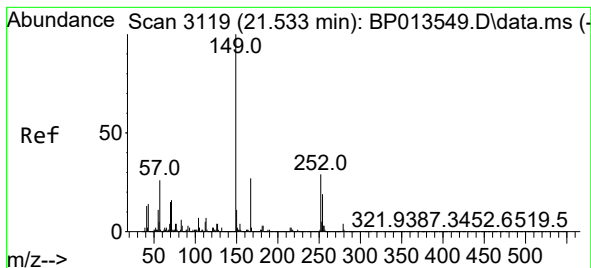
Ion Ratio Lower Upper

228 100

226 29.2 24.1 36.1

229 19.9 16.2 24.2

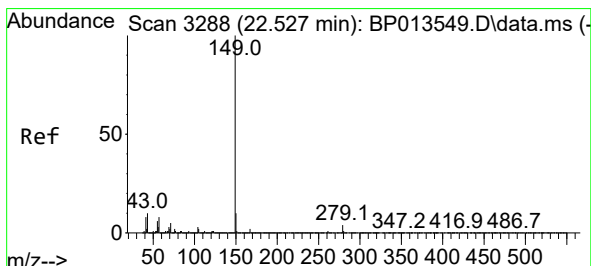
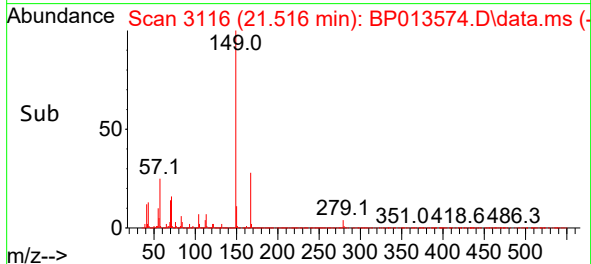
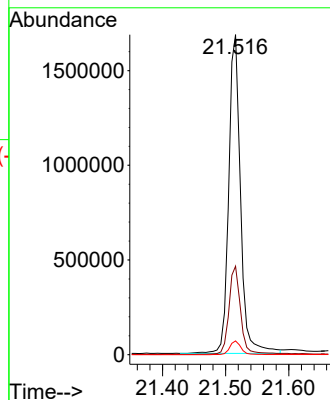
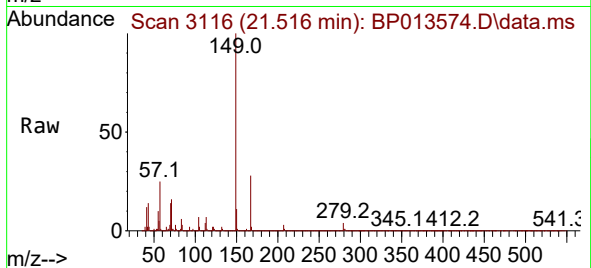




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 48.784 ng
 RT: 21.516 min Scan# 3119
 Delta R.T. -0.000 min
 Lab File: BP013574.D
 Acq: 24 Jan 2023 17:02

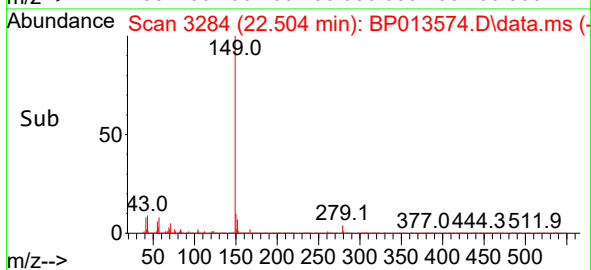
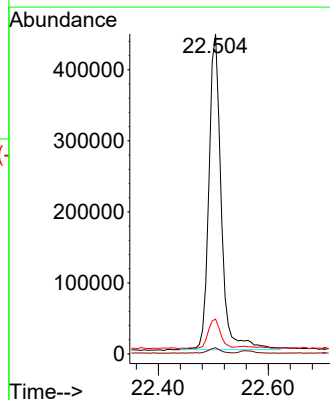
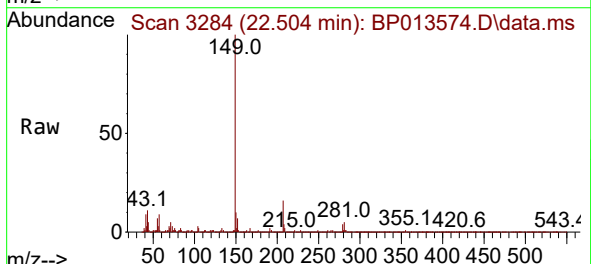
Instrument :
 BNA_P
 ClientSampleId :
 MH-9

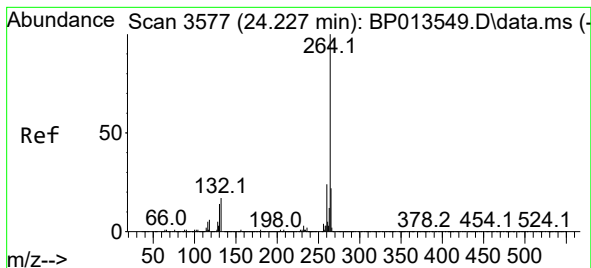
Tgt Ion:149 Resp: 2191677
 Ion Ratio Lower Upper
 149 100
 167 27.7 22.0 33.0
 279 4.3 3.5 5.3



#85
 Di-n-octyl phthalate
 Concen: 9.584 ng
 RT: 22.504 min Scan# 3284
 Delta R.T. -0.006 min
 Lab File: BP013574.D
 Acq: 24 Jan 2023 17:02

Tgt Ion:149 Resp: 694155
 Ion Ratio Lower Upper
 149 100
 167 1.8 1.2 1.8
 43 9.2 8.2 12.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.210 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

Instrument :

BNA_P

ClientSampleId :

MH-9

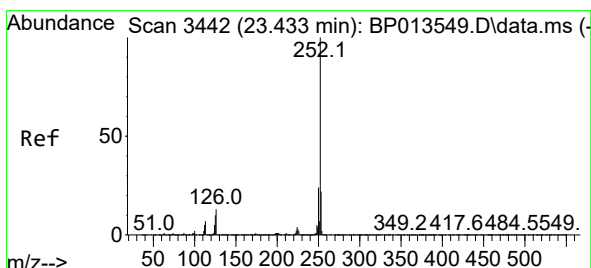
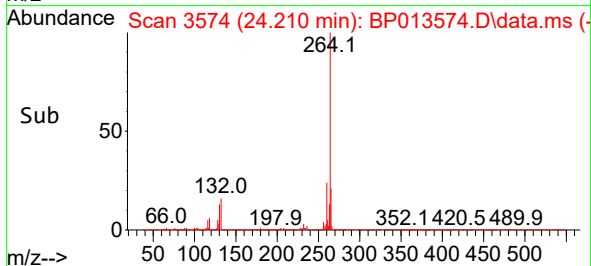
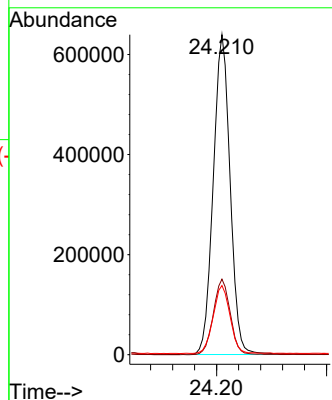
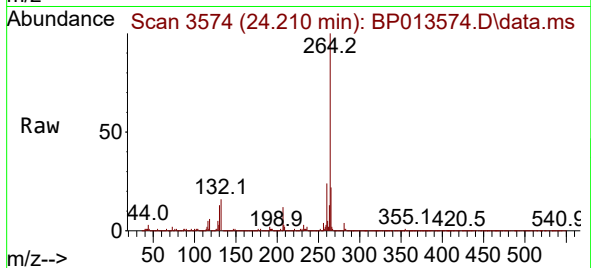
Tgt Ion:264 Resp: 1358530

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 21.6 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 3.866 ng

RT: 23.410 min Scan# 3438

Delta R.T. -0.012 min

Lab File: BP013574.D

Acq: 24 Jan 2023 17:02

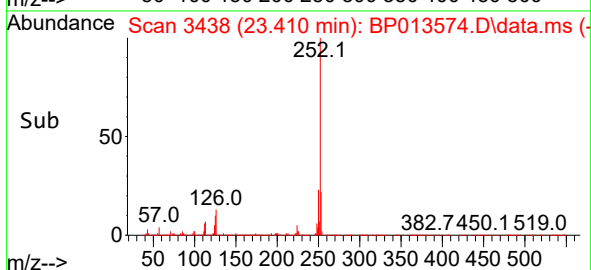
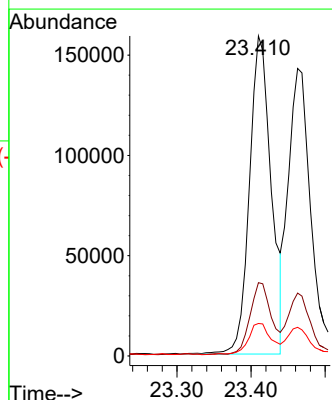
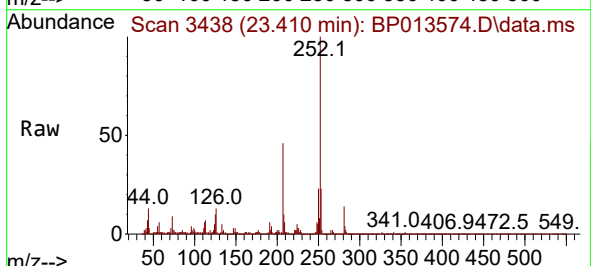
Tgt Ion:252 Resp: 323101

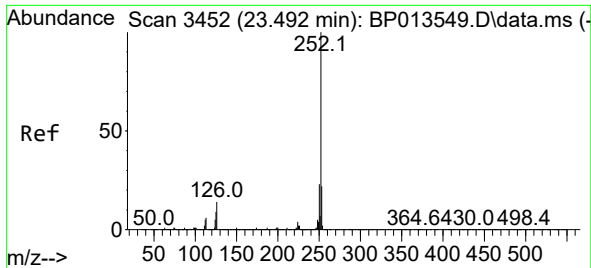
Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

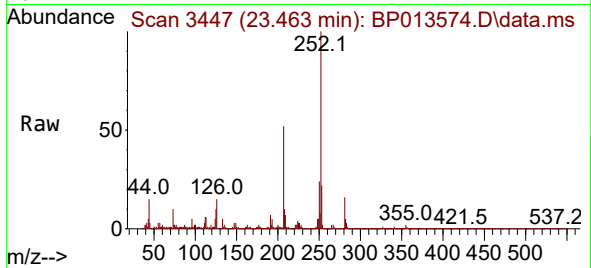
125 10.2 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 3.460 ng
RT: 23.463 min Scan# 34
Delta R.T. -0.012 min
Lab File: BP013574.D
Acq: 24 Jan 2023 17:02

Instrument :
BNA_P
ClientSampleId :
MH-9



Tgt Ion:252 Resp: 294975
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 10.0 7.5 11.3

