

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031423\
 Data File : BP014091.D
 Acq On : 14 Mar 2023 20:00
 Operator : CG/JU
 Sample : 01905-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 UNION-1

Quant Time: Mar 15 04:36:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 04:15:47 2023
 Response via : Initial Calibration

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

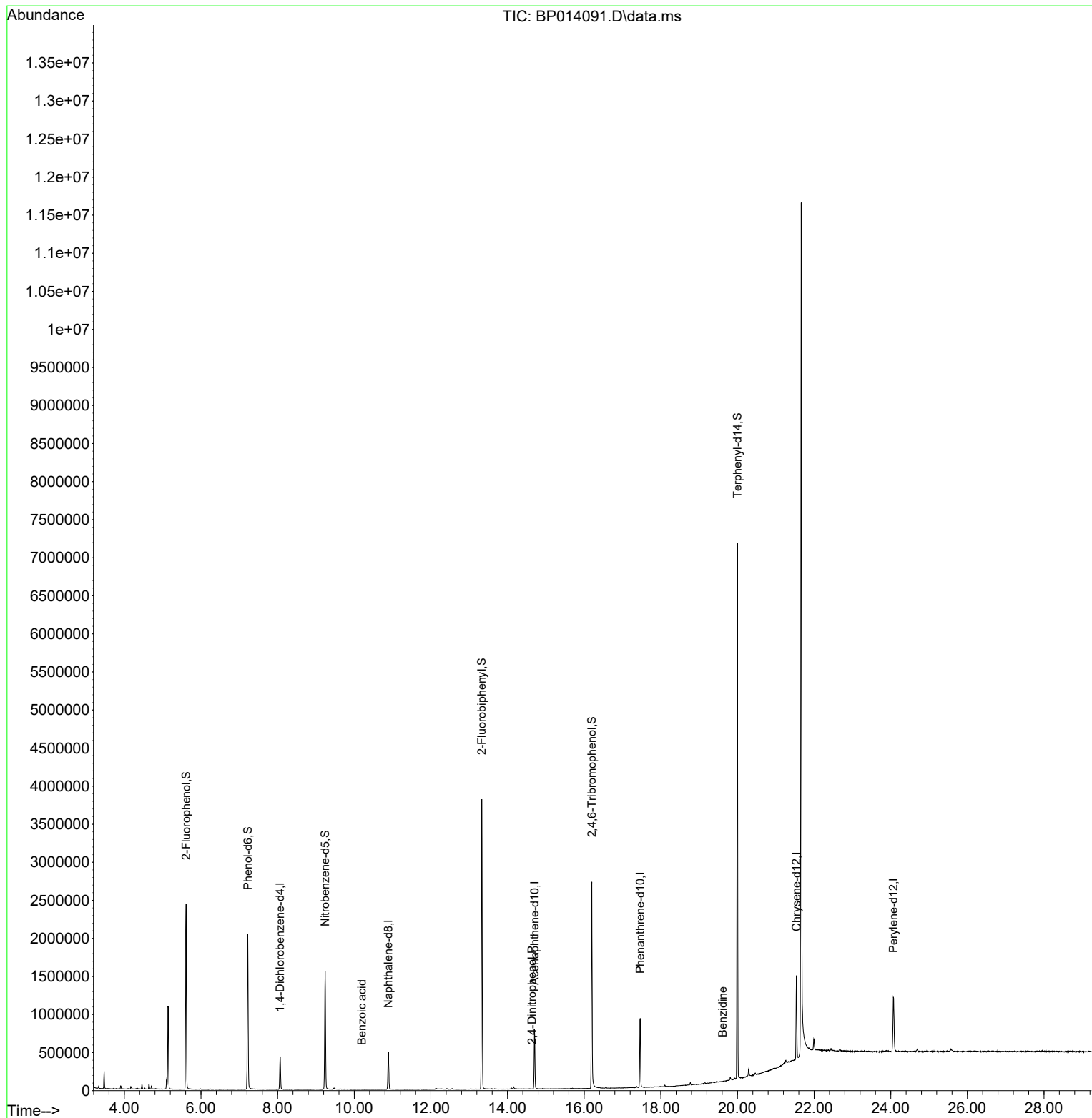
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.063	152	113533	20.000	ng	-0.01
21) Naphthalene-d8	10.887	136	408503	20.000	ng	#-0.01
39) Acenaphthene-d10	14.704	164	249891	20.000	ng	-0.01
64) Phenanthrene-d10	17.463	188	549880	20.000	ng	# 0.00
76) Chrysene-d12	21.539	240	553027	20.000	ng	0.00
86) Perylene-d12	24.069	264	588149	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.611	112	963754	137.666	ng	0.00
7) Phenol-d6	7.222	99	1126771	122.590	ng	0.00
23) Nitrobenzene-d5	9.240	82	889603	99.534	ng	-0.01
42) 2,4,6-Tribromophenol	16.198	330	555224	137.038	ng	0.00
45) 2-Fluorobiphenyl	13.328	172	1842443	95.523	ng	-0.01
79) Terphenyl-d14	19.998	244	3135948	93.504	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.199	122	8	2.703	ng	# 1
54) 2,4-Dinitrophenol	14.640	184	9	3.081	ng	99
77) Benzidine	19.616	184	170	2.848	ng	# 1

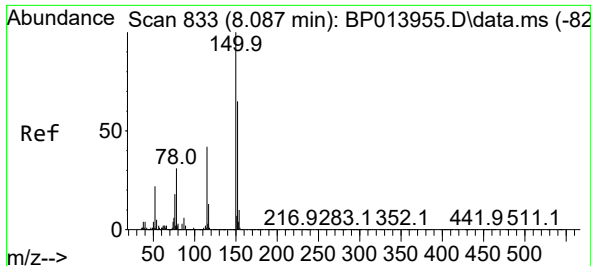
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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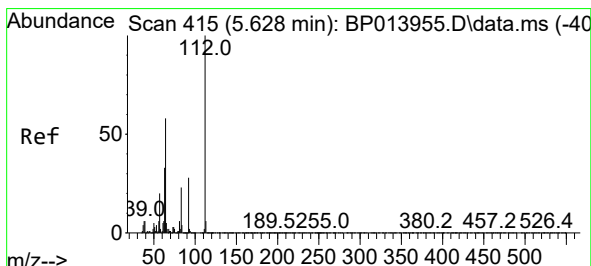
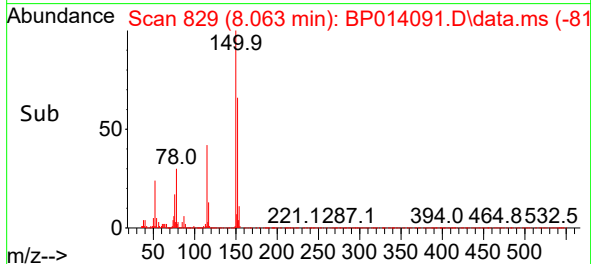
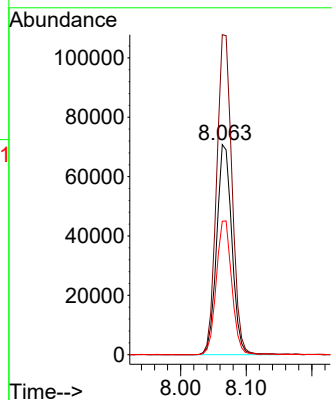
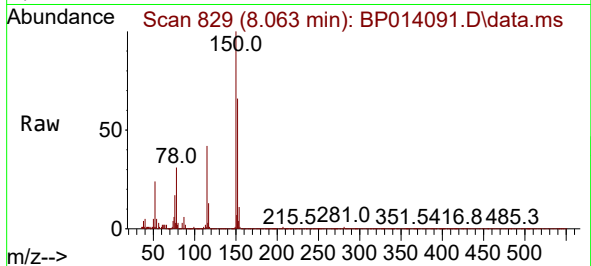




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.063 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP014091.D
Acq: 14 Mar 2023 20:00

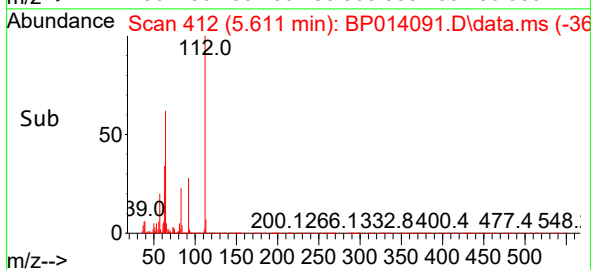
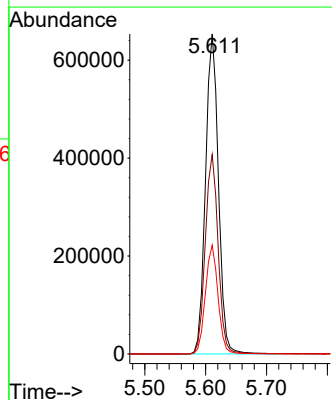
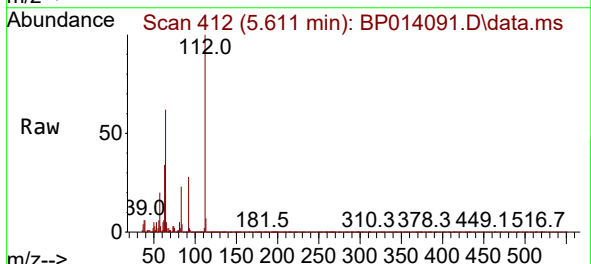
Instrument :
BNA_P
ClientSampleId :
UNION-1

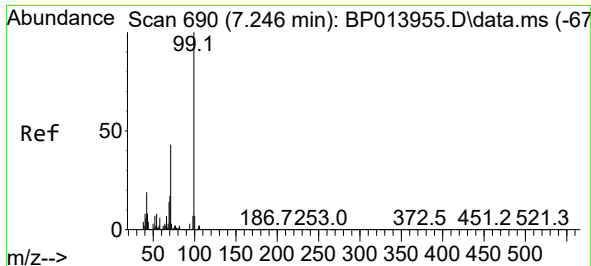
Tgt Ion:152 Resp: 113533
Ion Ratio Lower Upper
152 100
150 152.3 122.3 183.5
115 63.5 51.6 77.4



#5
2-Fluorophenol
Concen: 137.666 ng
RT: 5.611 min Scan# 412
Delta R.T. -0.006 min
Lab File: BP014091.D
Acq: 14 Mar 2023 20:00

Tgt Ion:112 Resp: 963754
Ion Ratio Lower Upper
112 100
64 62.3 46.7 70.1
63 34.0 26.6 40.0

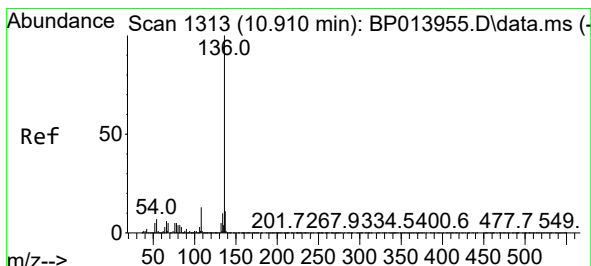
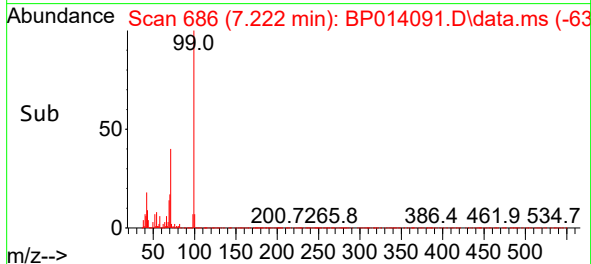
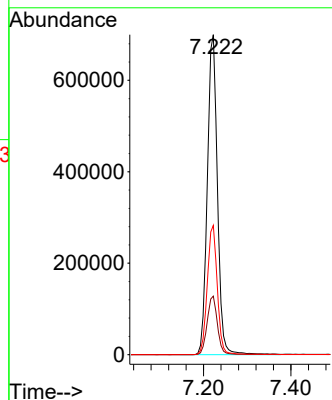
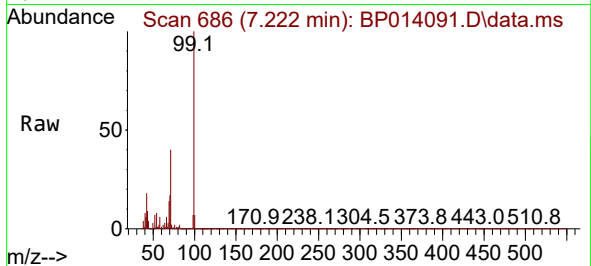




#7
Phenol-d6
Concen: 122.590 ng
RT: 7.222 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP014091.D
Acq: 14 Mar 2023 20:00

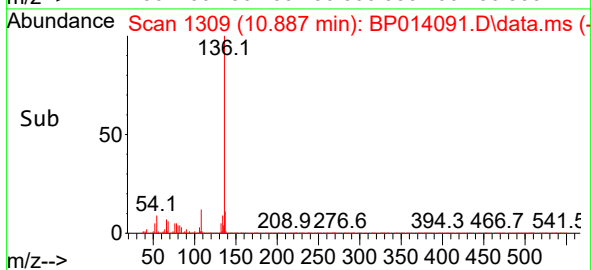
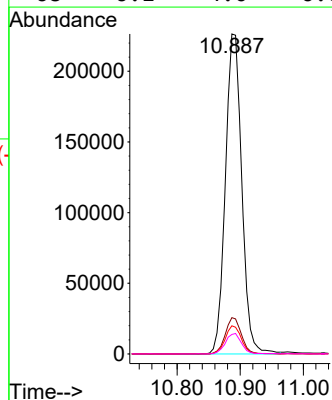
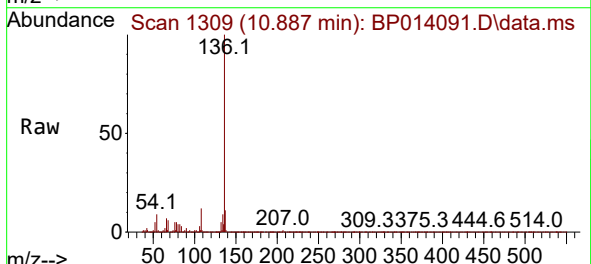
Instrument :
BNA_P
ClientSampleId :
UNION-1

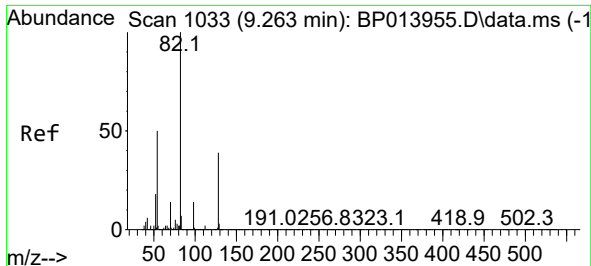
Tgt Ion: 99 Resp: 1126771
Ion Ratio Lower Upper
99 100
42 18.3 15.0 22.6
71 40.4 34.3 51.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.887 min Scan# 1309
Delta R.T. -0.012 min
Lab File: BP014091.D
Acq: 14 Mar 2023 20:00

Tgt Ion:136 Resp: 408503
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 8.8 5.8 8.8#
68 6.1 4.0 6.0#

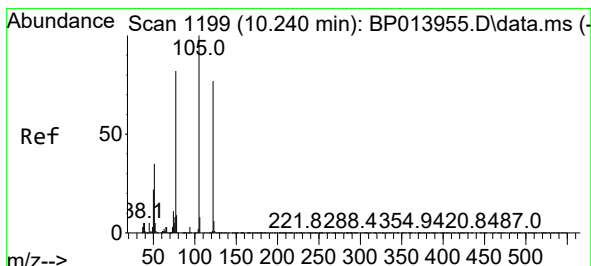
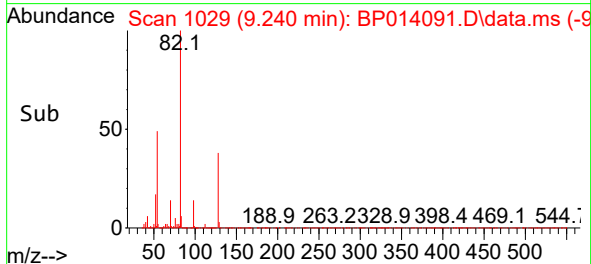
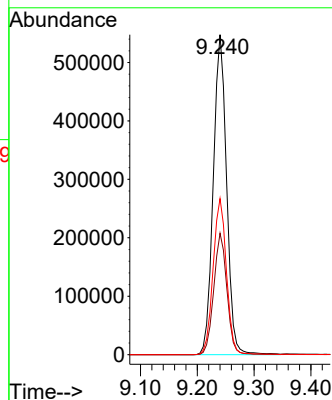
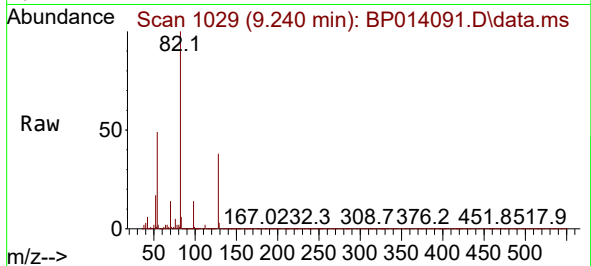




#23
Nitrobenzene-d5
Concen: 99.534 ng
RT: 9.240 min Scan# 1109
Delta R.T. -0.012 min
Lab File: BP014091.D
Acq: 14 Mar 2023 20:00

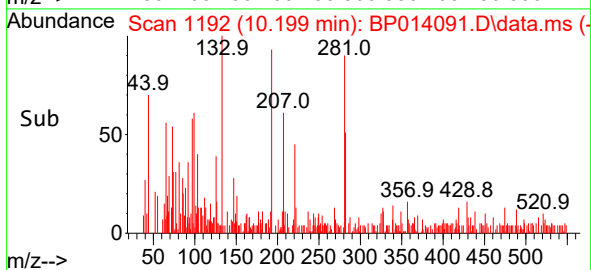
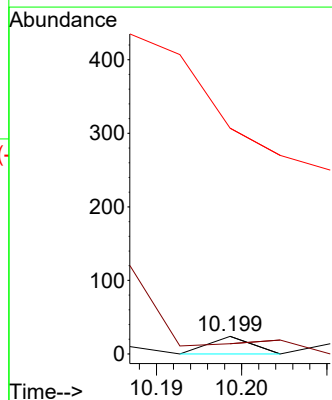
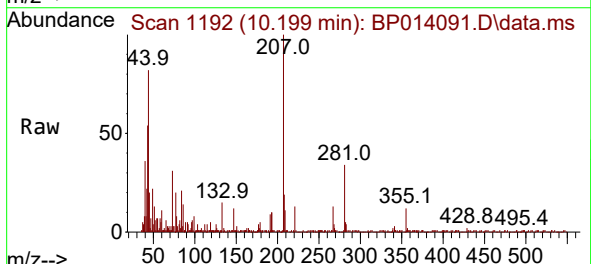
Instrument :
BNA_P
ClientSampleId :
UNION-1

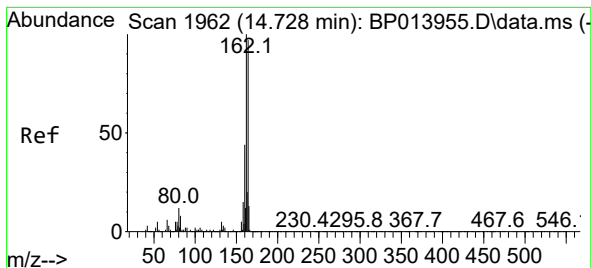
Tgt Ion: 82 Resp: 889603
Ion Ratio Lower Upper
82 100
128 37.9 31.1 46.7
54 48.8 40.0 60.0



#32
Benzoic acid
Concen: 2.703 ng
RT: 10.199 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BP014091.D
Acq: 14 Mar 2023 20:00

Tgt Ion: 122 Resp: 8
Ion Ratio Lower Upper
122 100
105 58.3 108.2 148.2#
77 1279.2 85.2 125.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.704 min Scan# 1958

Delta R.T. -0.012 min

Lab File: BP014091.D

Acq: 14 Mar 2023 20:00

Instrument :

BNA_P

ClientSampleId :

UNION-1

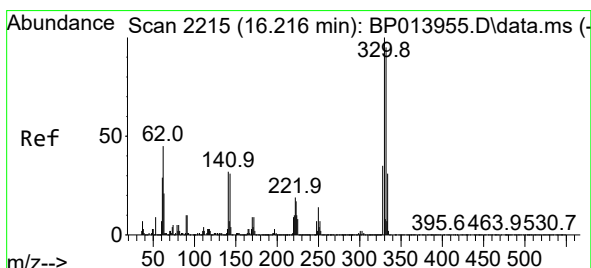
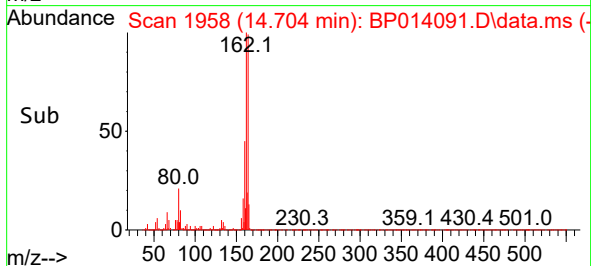
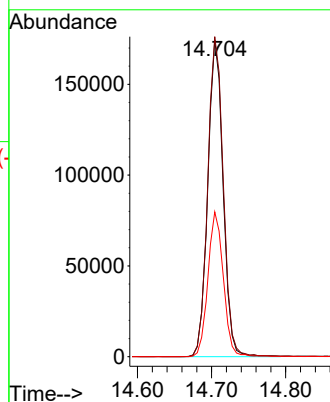
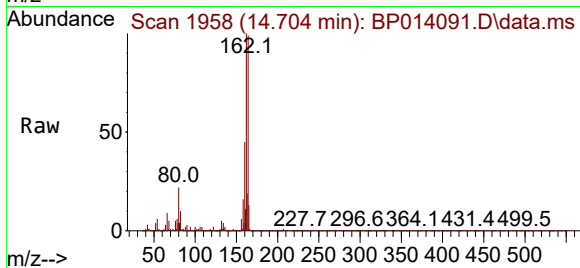
Tgt Ion:164 Resp: 249891

Ion Ratio Lower Upper

164 100

162 101.0 82.1 123.1

160 45.7 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 137.038 ng

RT: 16.198 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BP014091.D

Acq: 14 Mar 2023 20:00

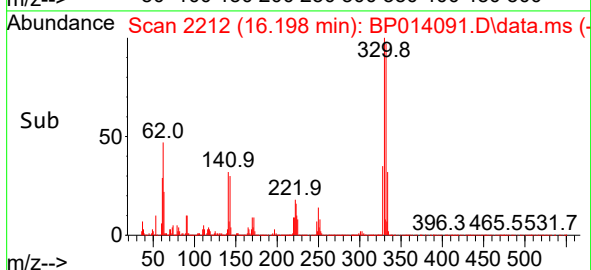
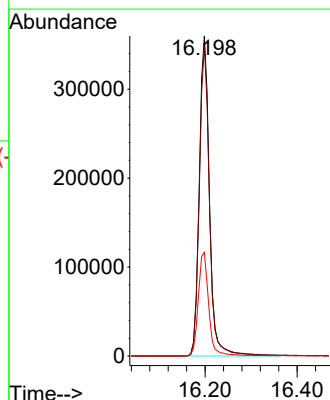
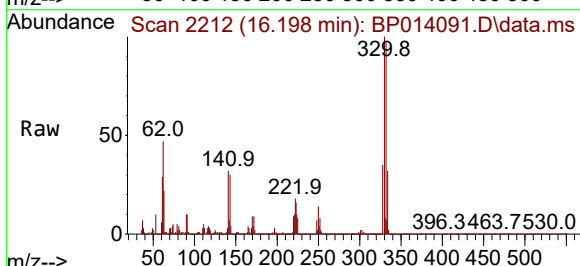
Tgt Ion:330 Resp: 555224

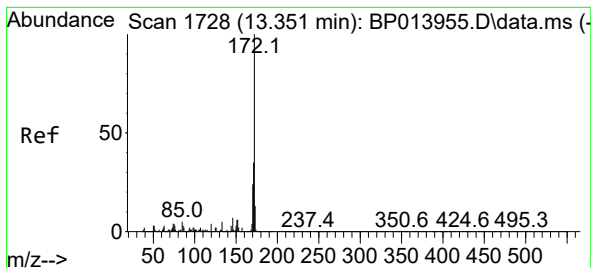
Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

141 32.9 25.6 38.4





#45

2-Fluorobiphenyl

Concen: 95.523 ng

RT: 13.328 min Scan# 11

Delta R.T. -0.012 min

Lab File: BP014091.D

Acq: 14 Mar 2023 20:00

Instrument :

BNA_P

ClientSampleId :

UNION-1

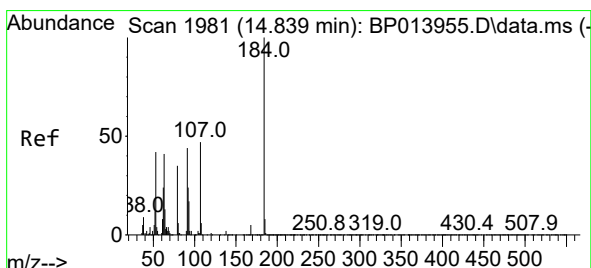
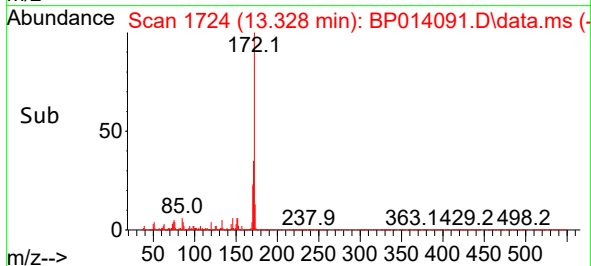
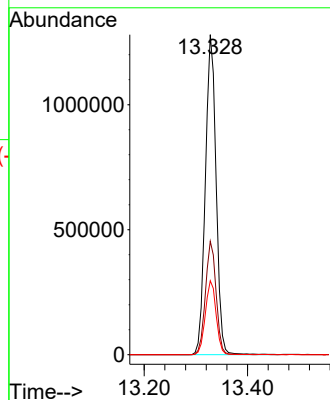
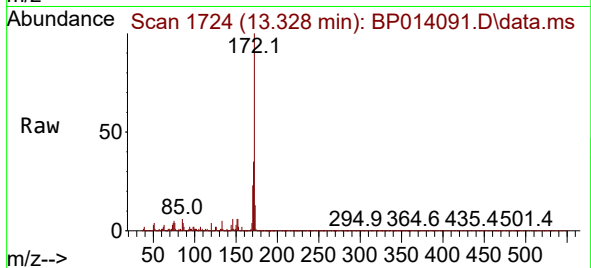
Tgt Ion:172 Resp: 1842443

Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.1 19.0 28.4



#54

2,4-Dinitrophenol

Concen: 3.081 ng

RT: 14.640 min Scan# 1947

Delta R.T. -0.188 min

Lab File: BP014091.D

Acq: 14 Mar 2023 20:00

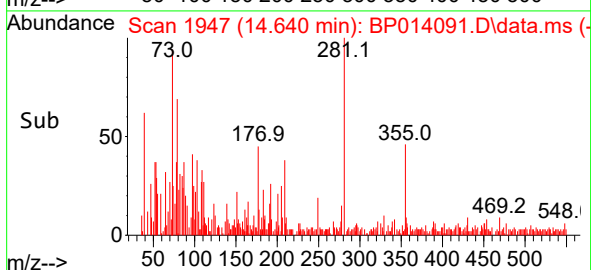
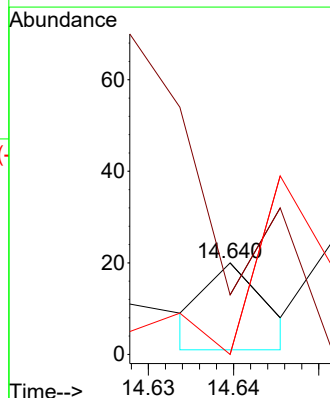
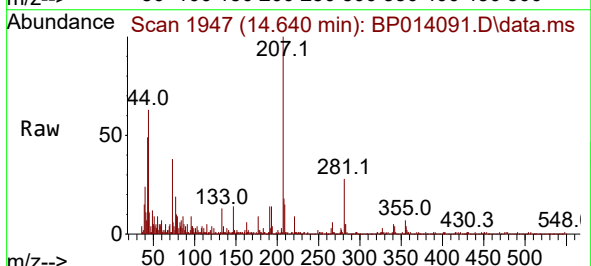
Tgt Ion:184 Resp: 9

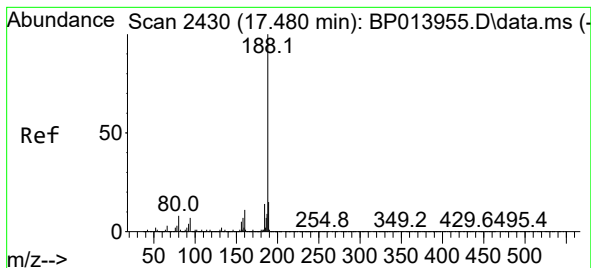
Ion Ratio Lower Upper

184 100

63 65.0 52.4 78.6

154 75.0 59.4 89.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.463 min Scan# 2430

Delta R.T. -0.006 min

Lab File: BP014091.D

Acq: 14 Mar 2023 20:00

Instrument :

BNA_P

ClientSampleId :

UNION-1

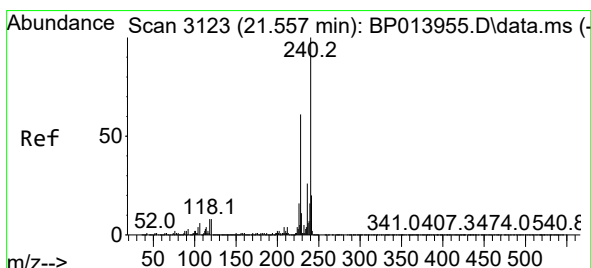
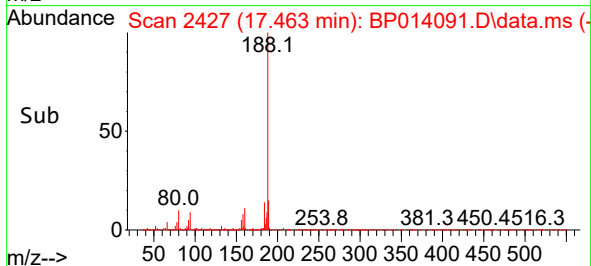
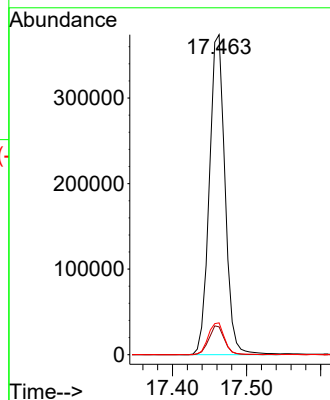
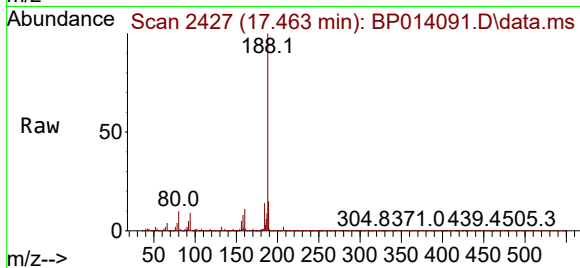
Tgt Ion:188 Resp: 549880

Ion Ratio Lower Upper

188 100

94 8.7 5.8 8.6#

80 10.0 6.6 9.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.539 min Scan# 3120

Delta R.T. -0.006 min

Lab File: BP014091.D

Acq: 14 Mar 2023 20:00

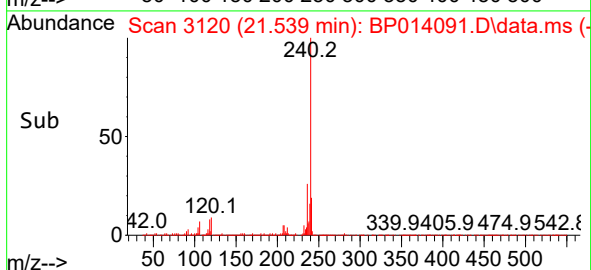
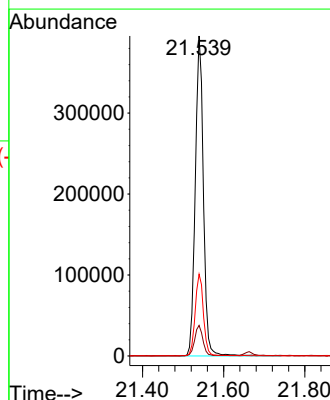
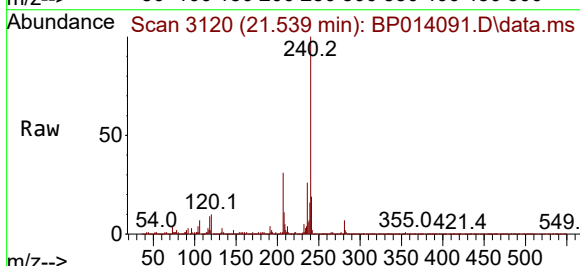
Tgt Ion:240 Resp: 553027

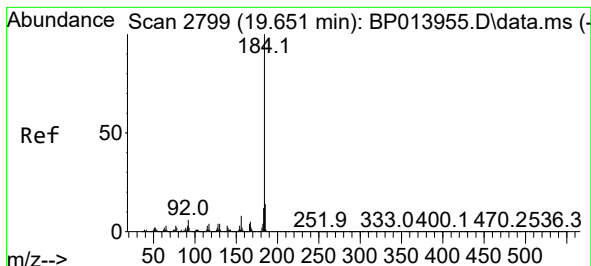
Ion Ratio Lower Upper

240 100

120 9.6 6.4 9.6

236 25.5 21.2 31.8





#77

Benzidine

Concen: 2.848 ng

RT: 19.616 min Scan# 21

Delta R.T. -0.023 min

Lab File: BP014091.D

Acq: 14 Mar 2023 20:00

Instrument :

BNA_P

ClientSampleId :

UNION-1

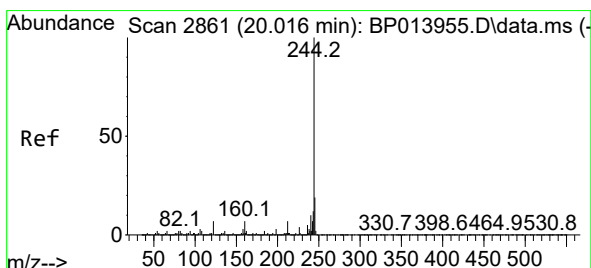
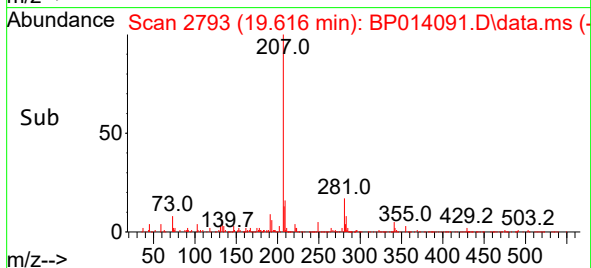
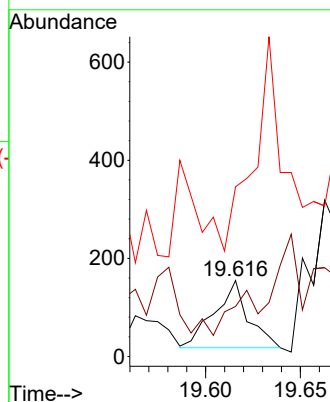
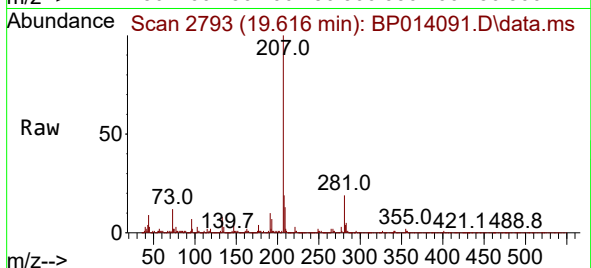
Tgt Ion:184 Resp: 170

Ion Ratio Lower Upper

184 100

185 65.8 11.6 17.4#

183 223.2 9.7 14.5#



#79

Terphenyl-d14

Concen: 93.504 ng

RT: 19.998 min Scan# 2858

Delta R.T. -0.006 min

Lab File: BP014091.D

Acq: 14 Mar 2023 20:00

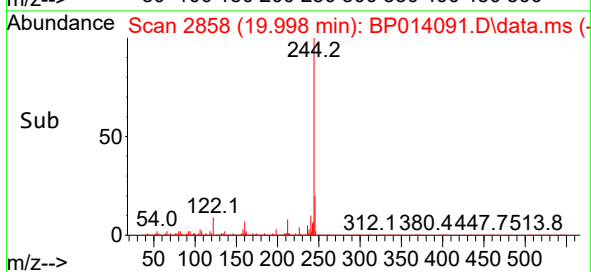
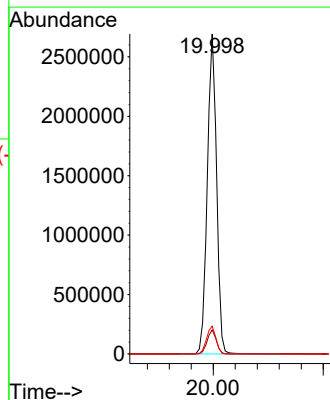
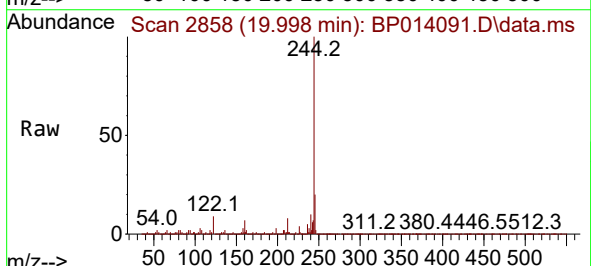
Tgt Ion:244 Resp: 3135948

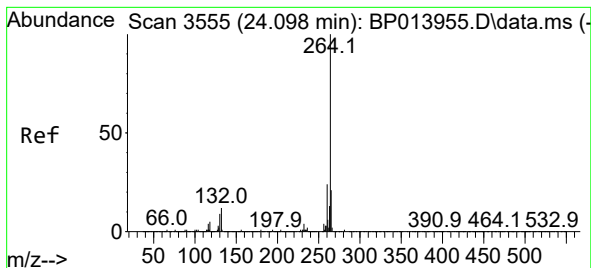
Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 8.7 5.8 8.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.069 min Scan# 3

Delta R.T. -0.012 min

Lab File: BP014091.D

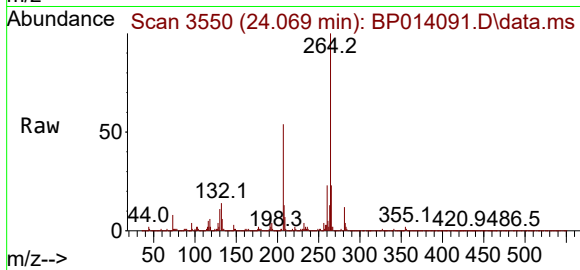
Acq: 14 Mar 2023 20:00

Instrument :

BNA_P

ClientSampleId :

UNION-1



Tgt Ion:264 Resp: 588149

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.2

265 22.8 17.8 26.8

