

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
 Data File : BP014121.D
 Acq On : 17 Mar 2023 15:15
 Operator : CG/JU
 Sample : 01928-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 031423-1

Quant Time: Mar 18 00:24:06 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)

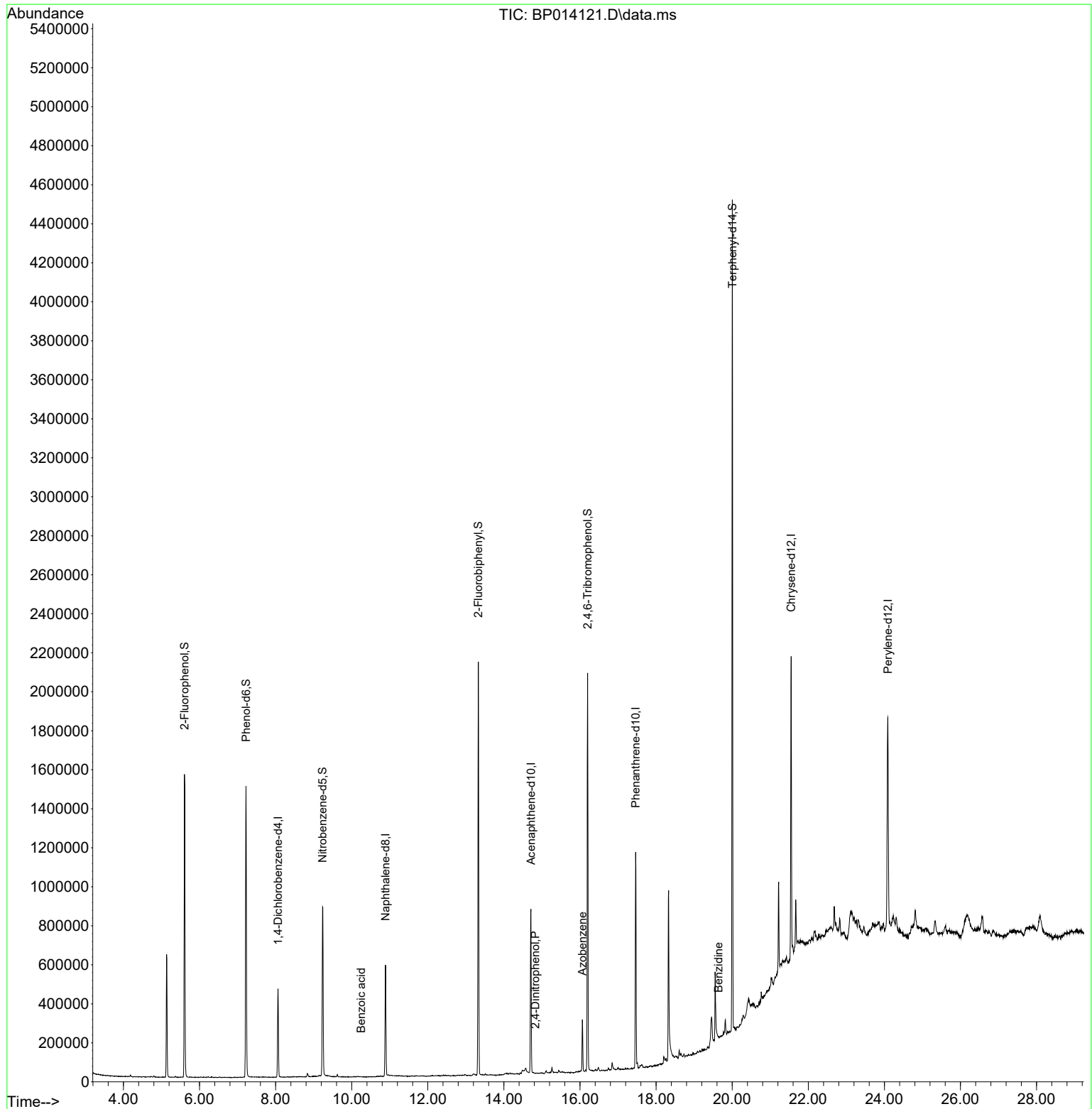
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.063	152	118135	20.000	ng	0.00
21) Naphthalene-d8	10.887	136	435977	20.000	ng	# 0.00
39) Acenaphthene-d10	14.710	164	279341	20.000	ng	0.00
64) Phenanthrene-d10	17.463	188	654567	20.000	ng	# 0.00
76) Chrysene-d12	21.551	240	738707	20.000	ng	0.00
86) Perylene-d12	24.092	264	918910	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.605	112	637183	87.472	ng	0.00
7) Phenol-d6	7.222	99	810978	84.796	ng	0.00
23) Nitrobenzene-d5	9.234	82	516311	54.127	ng	0.00
42) 2,4,6-Tribromophenol	16.198	330	395910	87.415	ng	0.00
45) 2-Fluorobiphenyl	13.328	172	1008867	46.791	ng	0.00
79) Terphenyl-d14	20.004	244	1924040	42.949	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.246	122	104	2.718	ng	# 47
54) 2,4-Dinitrophenol	14.828	184	65	3.096	ng	# 1
63) Azobenzene	16.063	77	76575	3.637	ng	# 1
77) Benzidine	19.639	184	170	2.844	ng	# 1

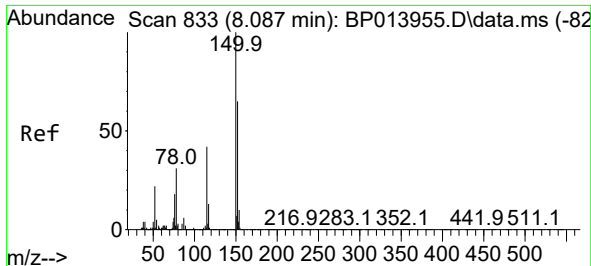
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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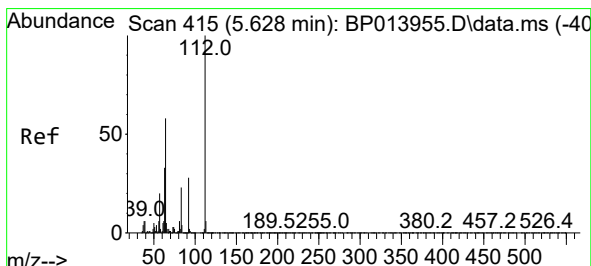
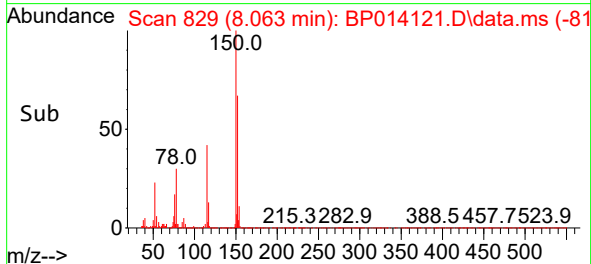
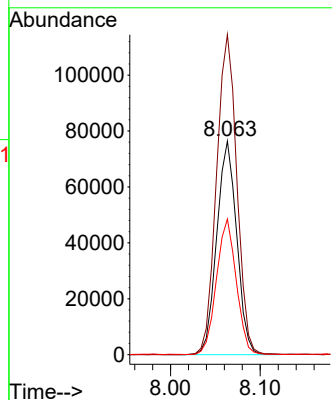
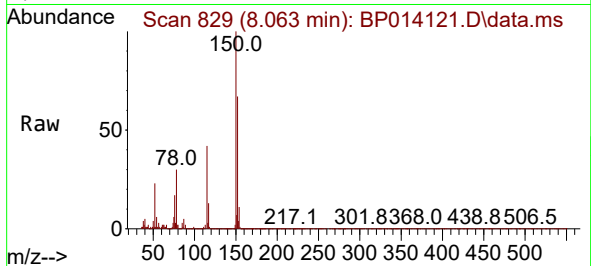




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.063 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP014121.D
Acq: 17 Mar 2023 15:15

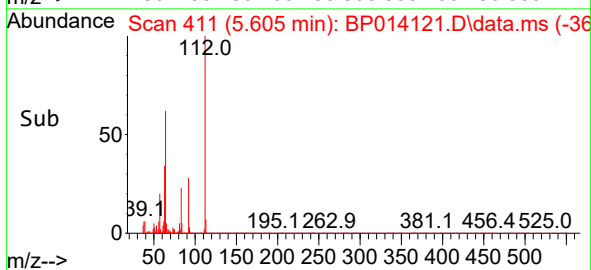
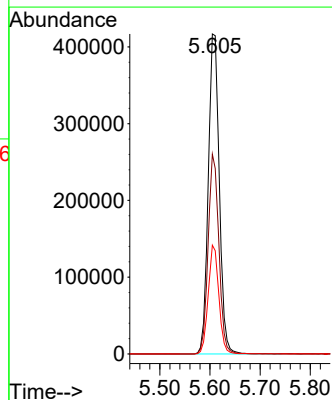
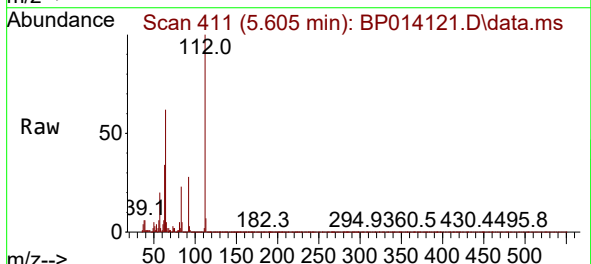
Instrument :
BNA_P
ClientSampleId :
031423-1

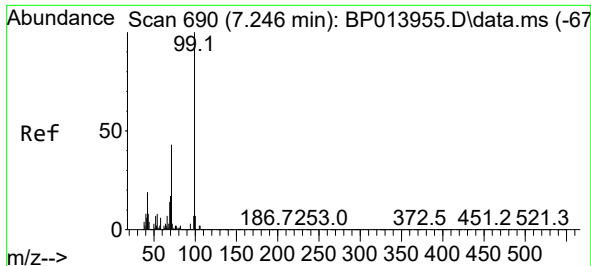
Tgt Ion:152 Resp: 118135
Ion Ratio Lower Upper
152 100
150 149.8 122.3 183.5
115 63.5 51.6 77.4



#5
2-Fluorophenol
Concen: 87.472 ng
RT: 5.605 min Scan# 411
Delta R.T. -0.000 min
Lab File: BP014121.D
Acq: 17 Mar 2023 15:15

Tgt Ion:112 Resp: 637183
Ion Ratio Lower Upper
112 100
64 62.5 46.7 70.1
63 34.0 26.6 40.0

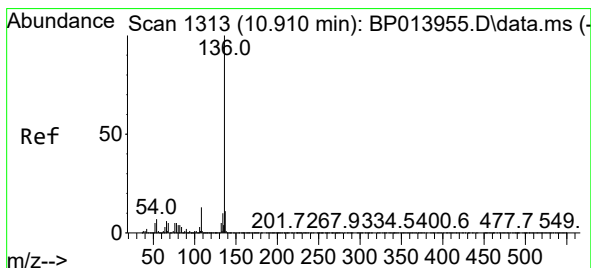
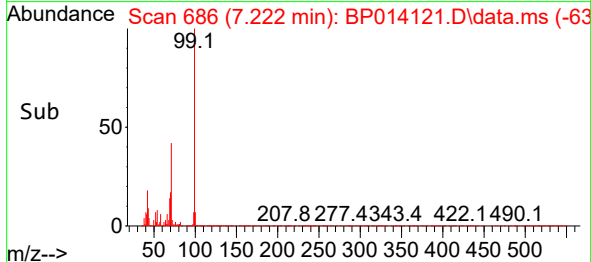
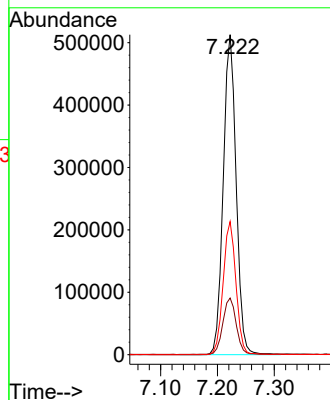
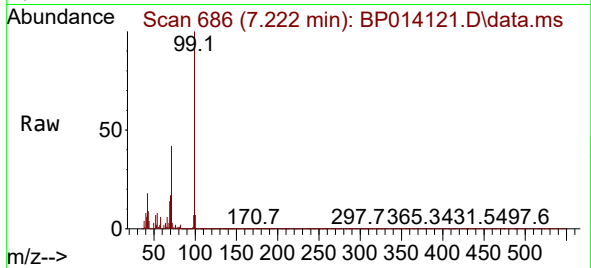




#7
Phenol-d6
Concen: 84.796 ng
RT: 7.222 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP014121.D
Acq: 17 Mar 2023 15:15

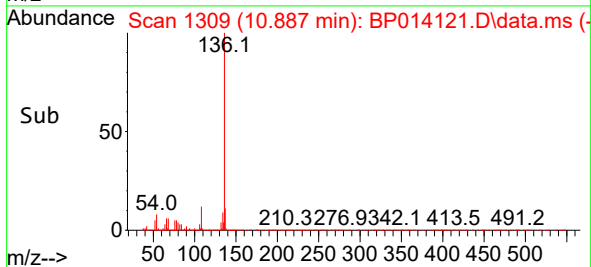
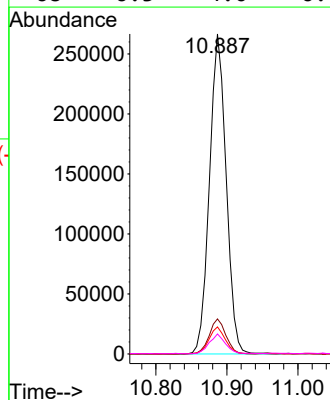
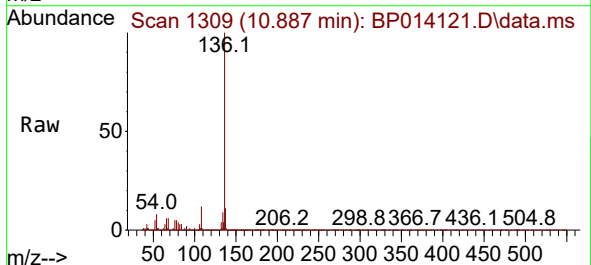
Instrument :
BNA_P
ClientSampleId :
031423-1

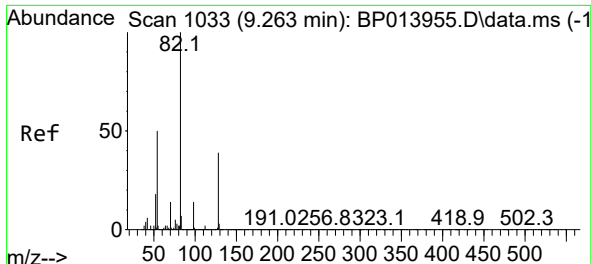
Tgt Ion: 99 Resp: 810978
Ion Ratio Lower Upper
99 100
42 17.7 15.0 22.6
71 41.6 34.3 51.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.887 min Scan# 1309
Delta R.T. -0.000 min
Lab File: BP014121.D
Acq: 17 Mar 2023 15:15

Tgt Ion: 136 Resp: 435977
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 8.5 5.8 8.8
68 6.3 4.0 6.0#





#23

Nitrobenzene-d5

Concen: 54.127 ng

RT: 9.234 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP014121.D

Acq: 17 Mar 2023 15:15

Instrument :

BNA_P

ClientSampleId :

031423-1

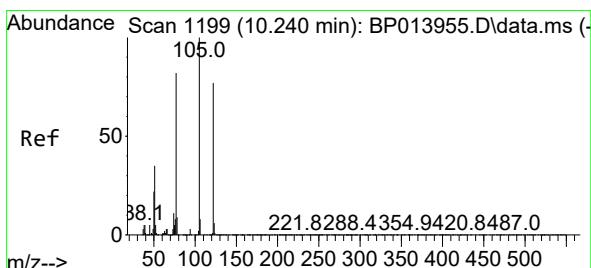
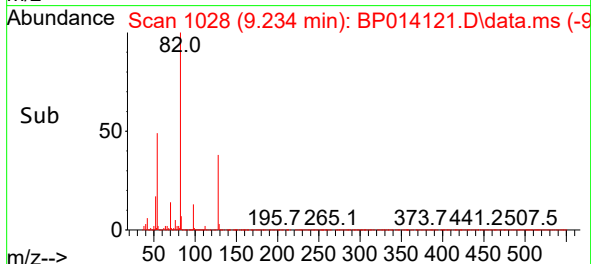
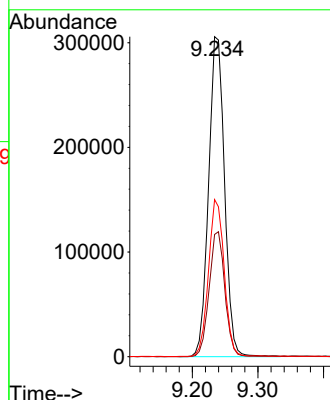
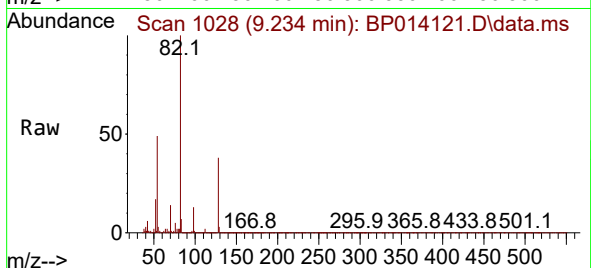
Tgt Ion: 82 Resp: 516311

Ion Ratio Lower Upper

82 100

128 38.2 31.1 46.7

54 49.1 40.0 60.0



#32

Benzoic acid

Concen: 2.718 ng

RT: 10.246 min Scan# 1200

Delta R.T. 0.018 min

Lab File: BP014121.D

Acq: 17 Mar 2023 15:15

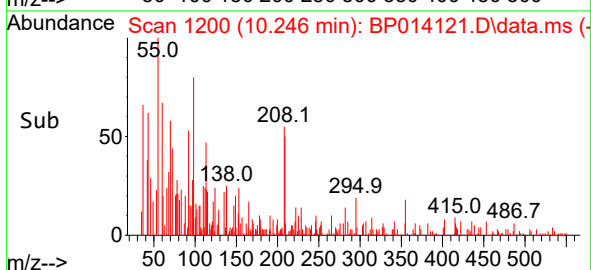
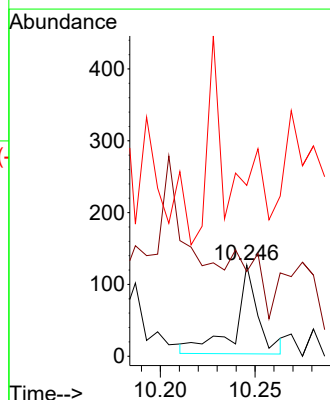
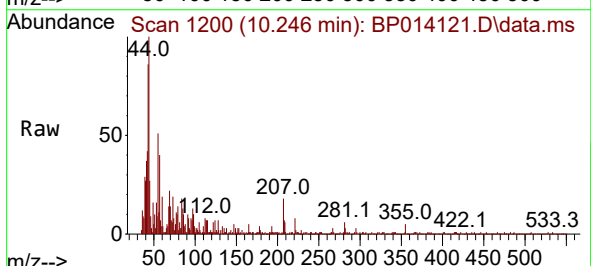
Tgt Ion:122 Resp: 104

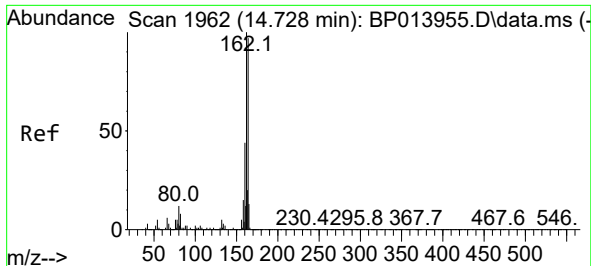
Ion Ratio Lower Upper

122 100

105 92.9 108.2 148.2#

77 187.4 85.2 125.2#

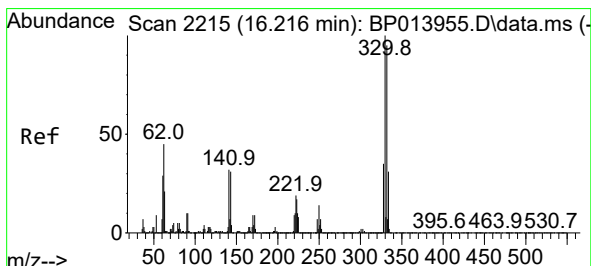
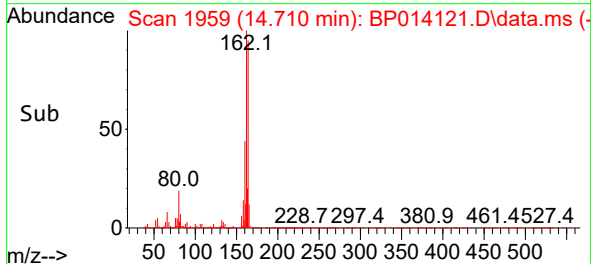
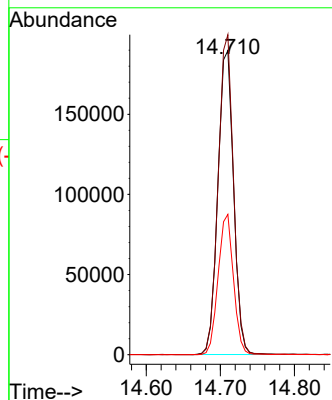
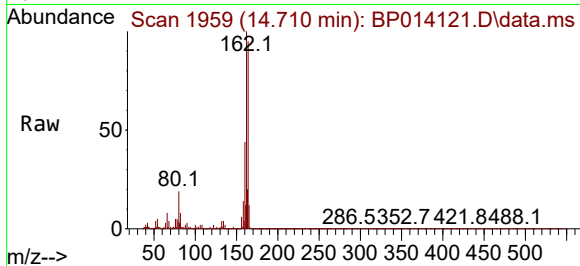




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.710 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BP014121.D
Acq: 17 Mar 2023 15:15

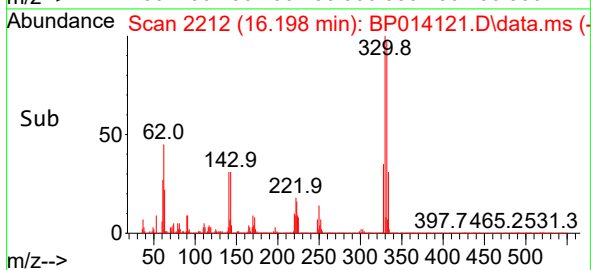
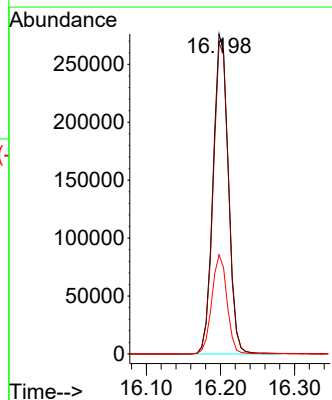
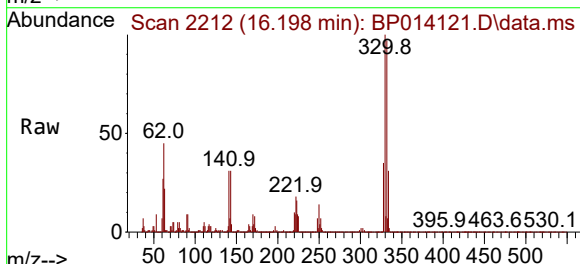
Instrument :
BNA_P
ClientSampleId :
031423-1

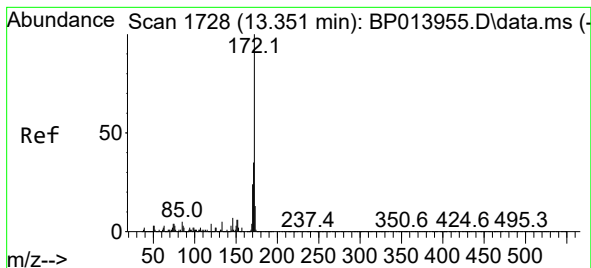
Tgt Ion:164 Resp: 279341
Ion Ratio Lower Upper
164 100
162 105.2 82.1 123.1
160 46.2 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 87.415 ng
RT: 16.198 min Scan# 2212
Delta R.T. -0.006 min
Lab File: BP014121.D
Acq: 17 Mar 2023 15:15

Tgt Ion:330 Resp: 395910
Ion Ratio Lower Upper
330 100
332 97.2 77.1 115.7
141 30.6 25.6 38.4





#45

2-Fluorobiphenyl

Concen: 46.791 ng

RT: 13.328 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP014121.D

Acq: 17 Mar 2023 15:15

Instrument :

BNA_P

ClientSampleId :

031423-1

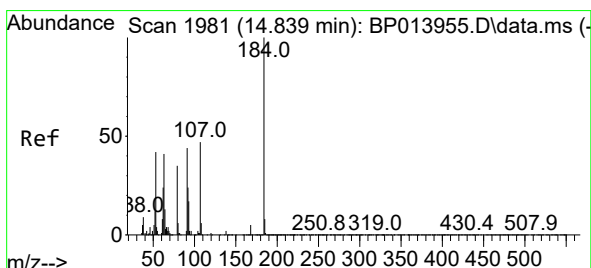
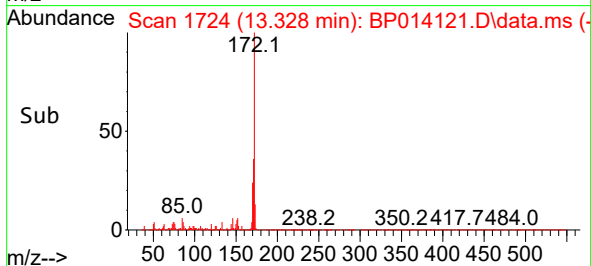
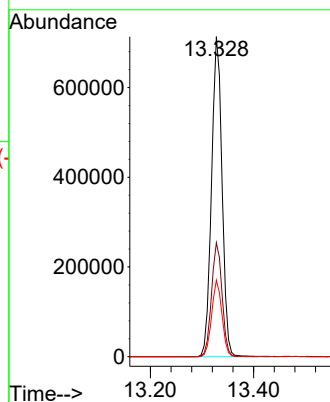
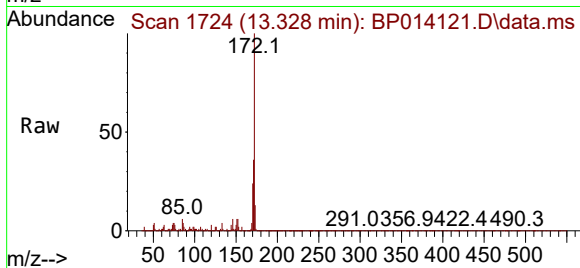
Tgt Ion:172 Resp: 1008867

Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.9 19.0 28.4



#54

2,4-Dinitrophenol

Concen: 3.096 ng

RT: 14.828 min Scan# 1979

Delta R.T. 0.006 min

Lab File: BP014121.D

Acq: 17 Mar 2023 15:15

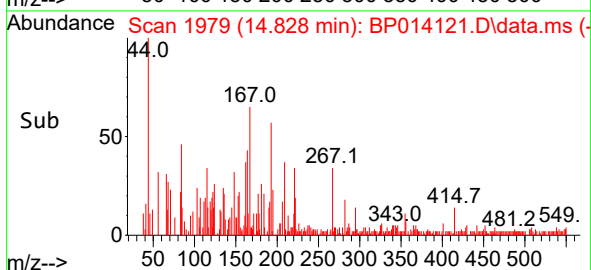
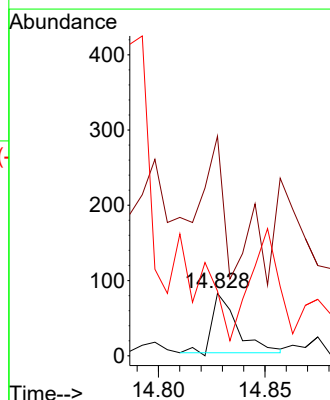
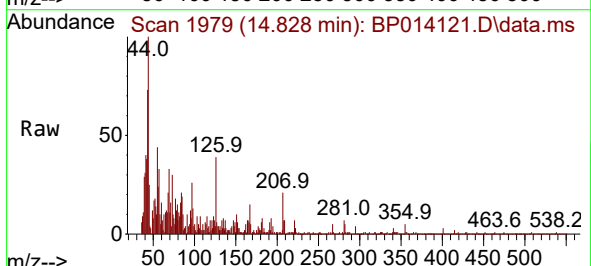
Tgt Ion:184 Resp: 65

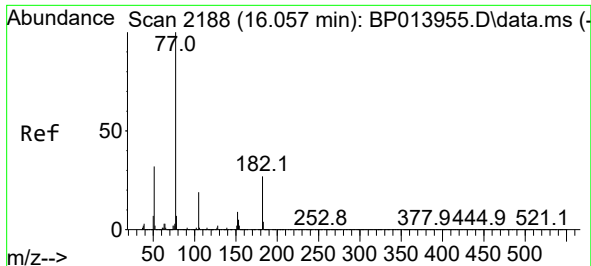
Ion Ratio Lower Upper

184 100

63 298.0 52.4 78.6#

154 87.8 59.4 89.2

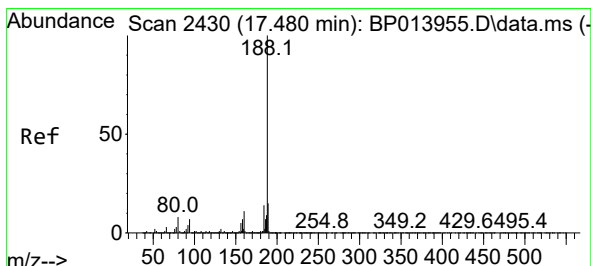
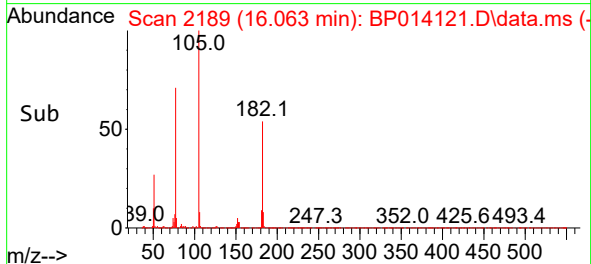
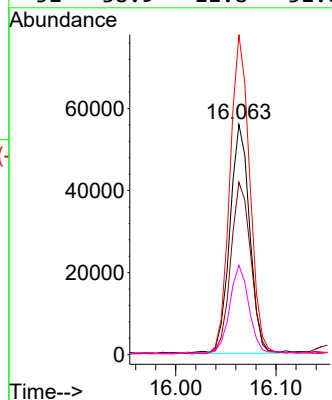
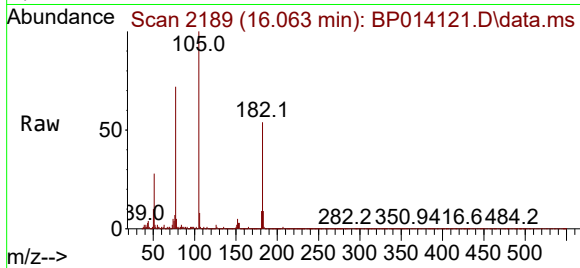




#63
Azobenzene
Concen: 3.637 ng
RT: 16.063 min Scan# 2188
Delta R.T. 0.023 min
Lab File: BP014121.D
Acq: 17 Mar 2023 15:15

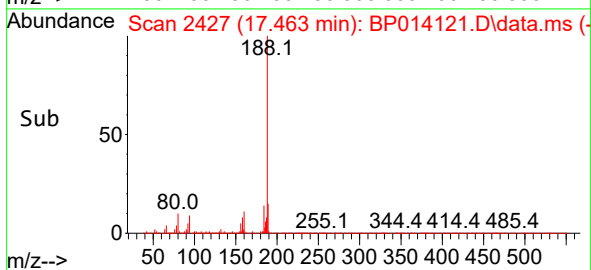
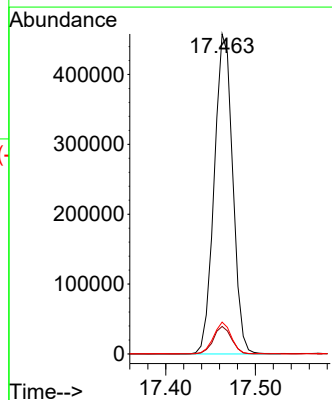
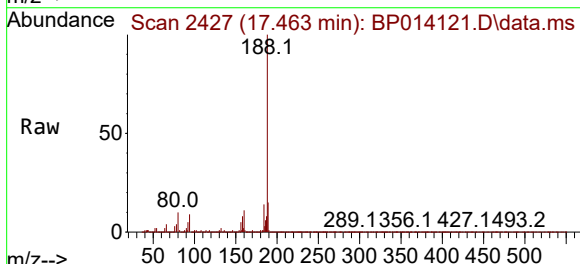
Instrument :
BNA_P
ClientSampleId :
031423-1

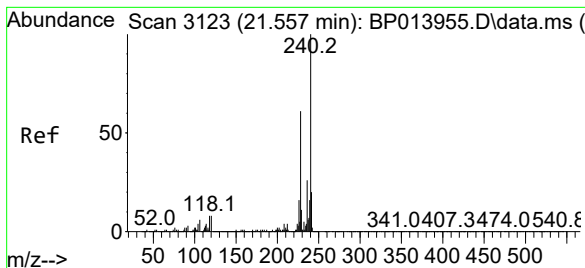
Tgt Ion: 77 Resp: 76575
Ion Ratio Lower Upper
77 100
182 74.9 6.9 46.9#
105 138.9 0.0 39.4#
51 38.9 11.8 51.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.463 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BP014121.D
Acq: 17 Mar 2023 15:15

Tgt Ion: 188 Resp: 654567
Ion Ratio Lower Upper
188 100
94 8.6 5.8 8.6
80 10.0 6.6 9.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.551 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP014121.D

Acq: 17 Mar 2023 15:15

Instrument :

BNA_P

ClientSampleId :

031423-1

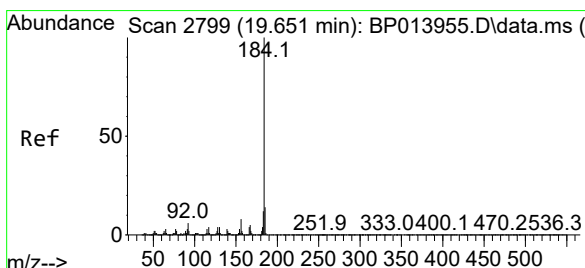
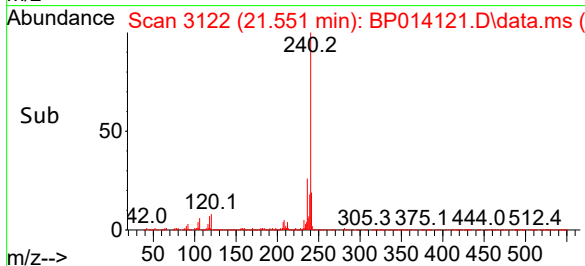
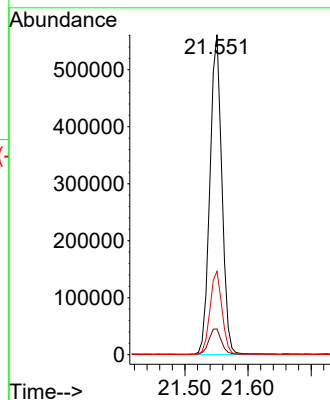
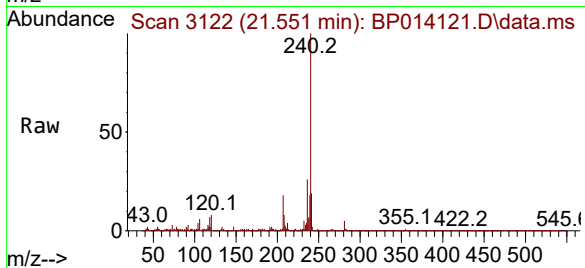
Tgt Ion:240 Resp: 738707

Ion Ratio Lower Upper

240 100

120 8.1 6.4 9.6

236 26.0 21.2 31.8



#77

Benzidine

Concen: 2.844 ng

RT: 19.639 min Scan# 2797

Delta R.T. -0.006 min

Lab File: BP014121.D

Acq: 17 Mar 2023 15:15

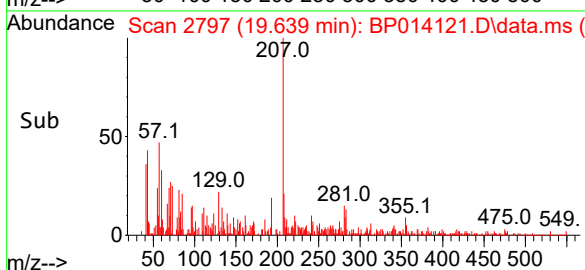
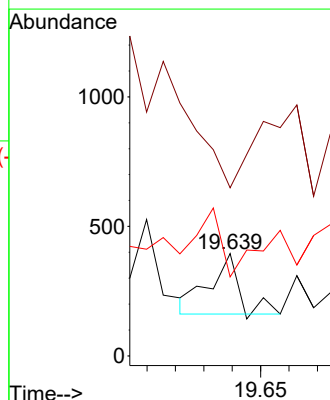
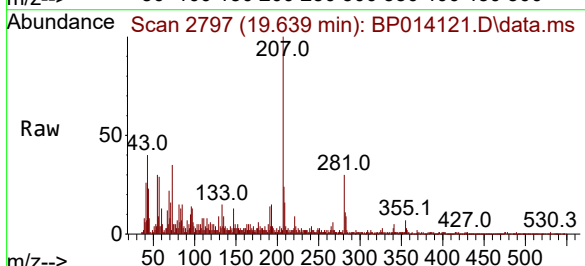
Tgt Ion:184 Resp: 170

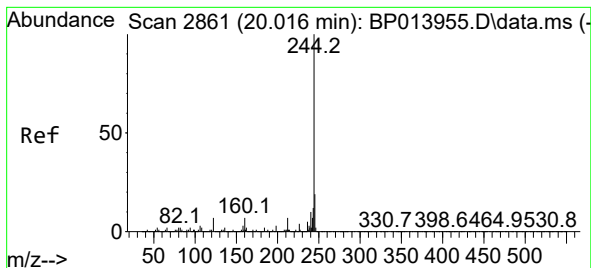
Ion Ratio Lower Upper

184 100

185 164.3 11.6 17.4#

183 77.2 9.7 14.5#





#79

Terphenyl-d14

Concen: 42.949 ng

RT: 20.004 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP014121.D

Acq: 17 Mar 2023 15:15

Instrument :

BNA_P

ClientSampleId :

031423-1

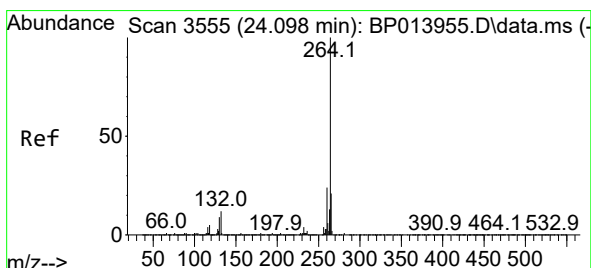
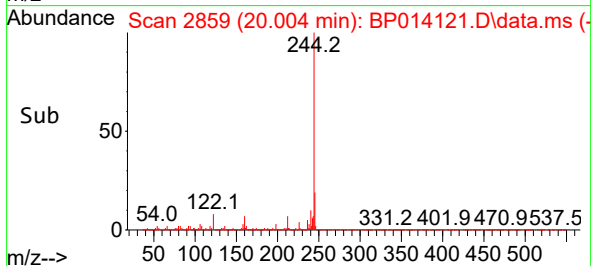
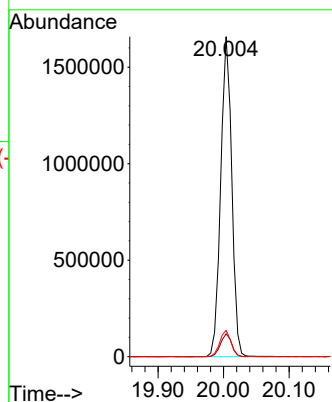
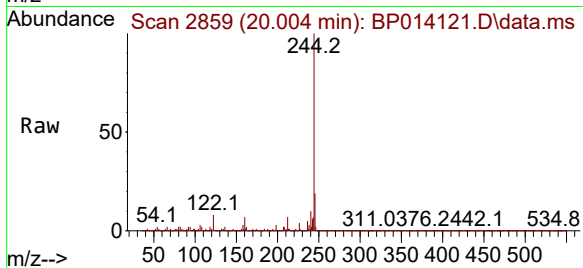
Tgt Ion:244 Resp: 1924040

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 8.2 5.8 8.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.092 min Scan# 3554

Delta R.T. 0.006 min

Lab File: BP014121.D

Acq: 17 Mar 2023 15:15

Tgt Ion:264 Resp: 918910

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

265 22.2 17.8 26.8

