

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
 Data File : BP014327.D
 Acq On : 27 Mar 2023 23:28
 Operator : CG/JU
 Sample : 02055-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-4B

Quant Time: Mar 28 02:13:40 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 25 03:19:01 2023
 Response via : Initial Calibration

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

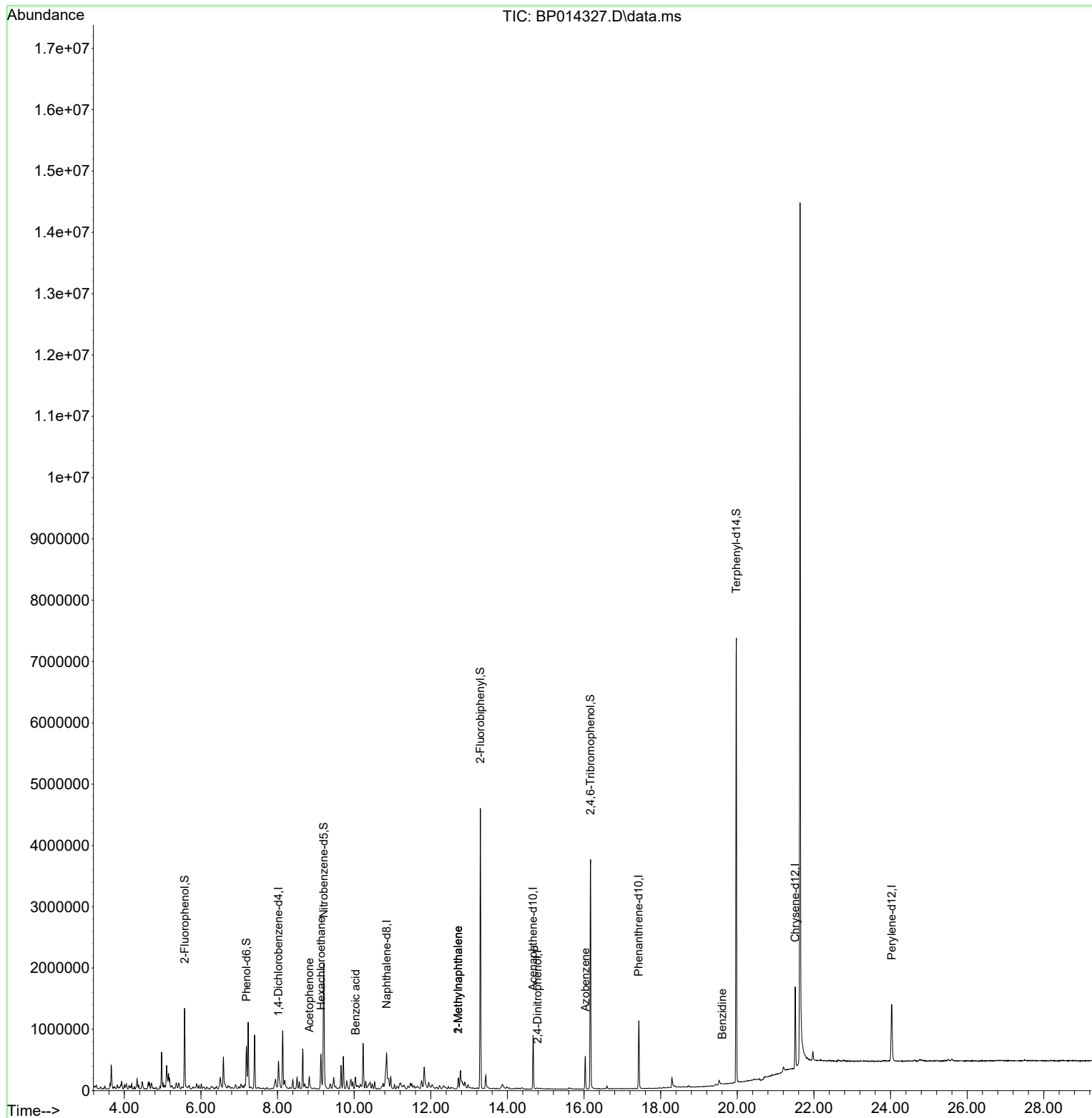
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.022	152	111061	20.000	ng	0.00
21) Naphthalene-d8	10.845	136	437574	20.000	ng	# 0.00
39) Acenaphthene-d10	14.669	164	283488	20.000	ng	0.00
64) Phenanthrene-d10	17.427	188	662200	20.000	ng	# 0.00
76) Chrysene-d12	21.509	240	675263	20.000	ng	0.00
86) Perylene-d12	24.027	264	754620	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	495785	72.396	ng	0.00
7) Phenol-d6	7.187	99	391884	43.585	ng	0.00
23) Nitrobenzene-d5	9.204	82	1046954	109.357	ng	0.00
42) 2,4,6-Tribromophenol	16.169	330	705705	153.536	ng	0.00
45) 2-Fluorobiphenyl	13.292	172	2199922	100.539	ng	0.00
79) Terphenyl-d14	19.974	244	3457276	84.424	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	9.134	117	85415	27.884	ng	# 1
22) Acetophenone	8.828	105	123553	10.066	ng	# 59
32) Benzoic acid	10.040	122	4948	3.515	ng	# 1
37) 2-Methylnaphthalene	12.716	142	54368	3.065	ng	# 91
38) 1-Methylnaphthalene	12.716	142	54376	3.289	ng	# 99
54) 2,4-Dinitrophenol	14.786	184	23	3.085	ng	# 1
63) Azobenzene	16.033	77	162639	7.612	ng	# 1
77) Benzidine	19.610	184	278	2.852	ng	# 1

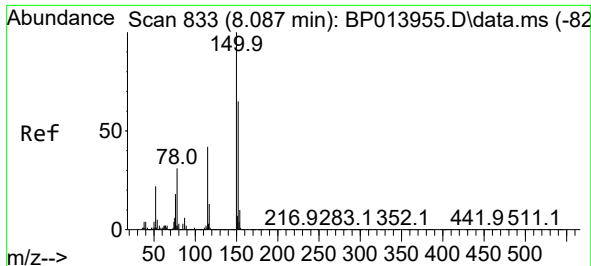
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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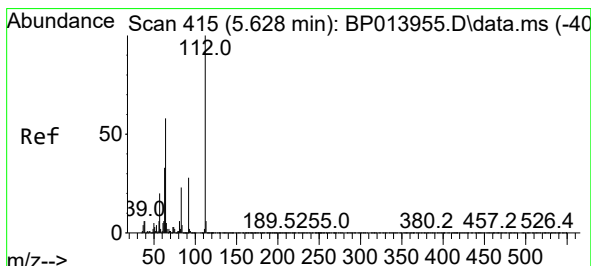
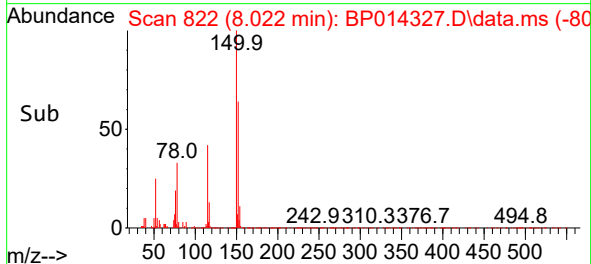
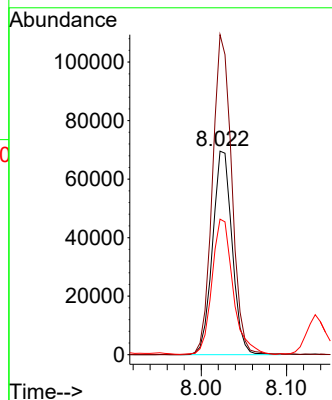
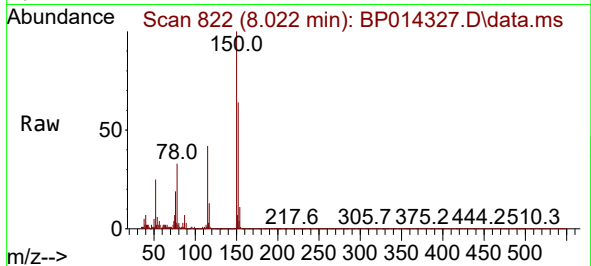




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.022 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP014327.D
Acq: 27 Mar 2023 23:28

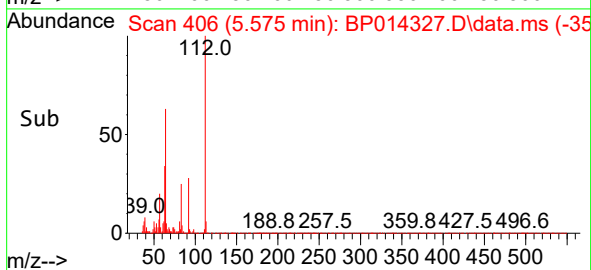
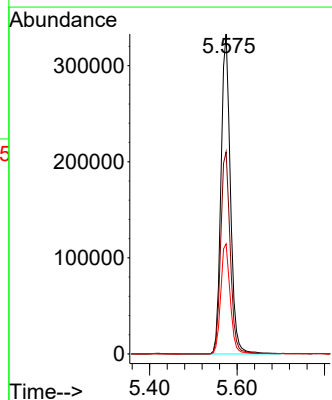
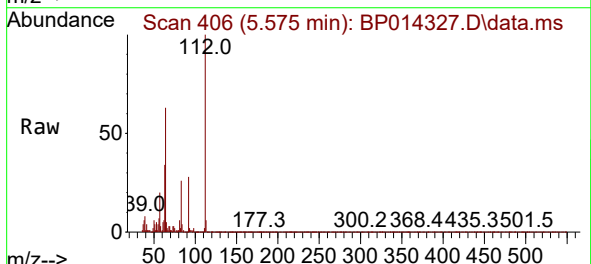
Instrument :
BNA_P
ClientSampleId :
MW-4B

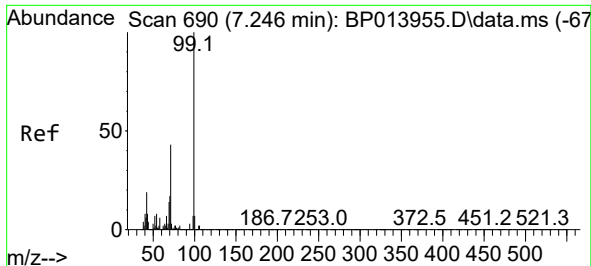
Tgt Ion:152 Resp: 111061
Ion Ratio Lower Upper
152 100
150 157.2 122.3 183.5
115 66.6 51.6 77.4



#5
2-Fluorophenol
Concen: 72.396 ng
RT: 5.575 min Scan# 406
Delta R.T. -0.000 min
Lab File: BP014327.D
Acq: 27 Mar 2023 23:28

Tgt Ion:112 Resp: 495785
Ion Ratio Lower Upper
112 100
64 63.1 46.7 70.1
63 34.4 26.6 40.0

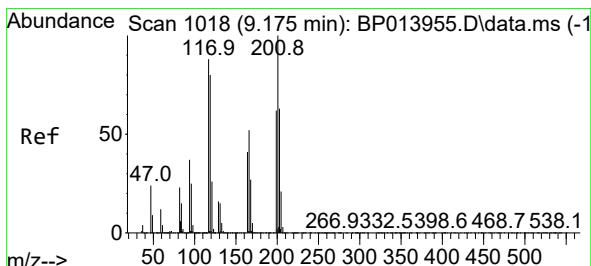
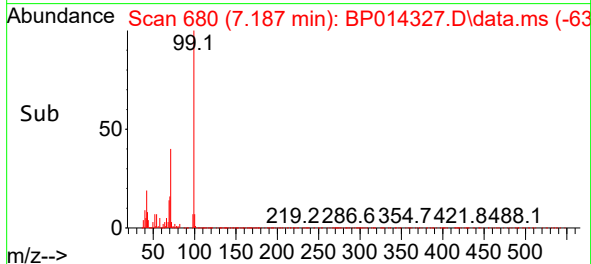
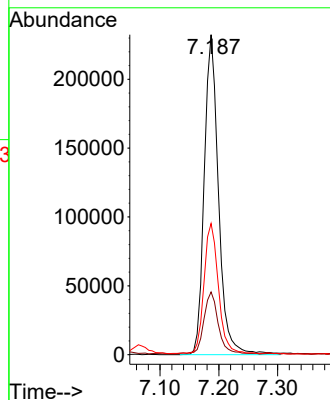
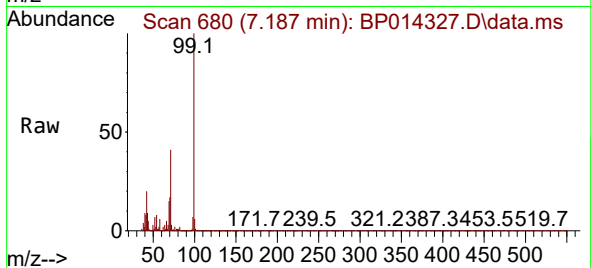




#7
Phenol-d6
Concen: 43.585 ng
RT: 7.187 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP014327.D
Acq: 27 Mar 2023 23:28

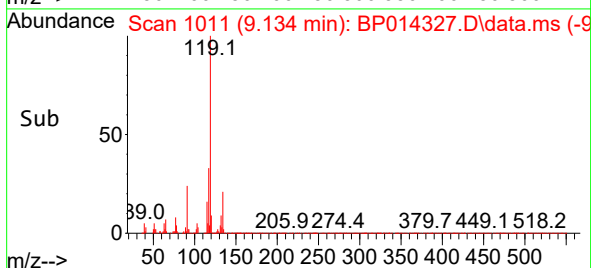
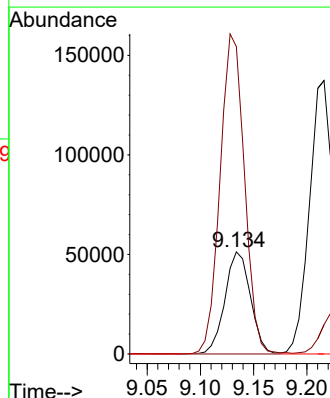
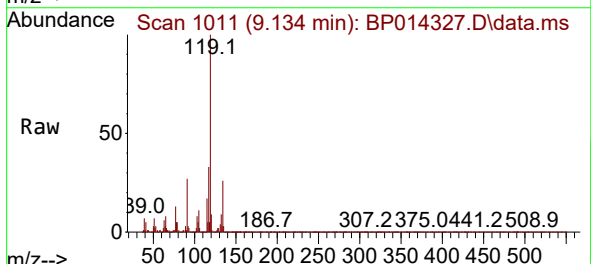
Instrument :
BNA_P
ClientSampleId :
MW-4B

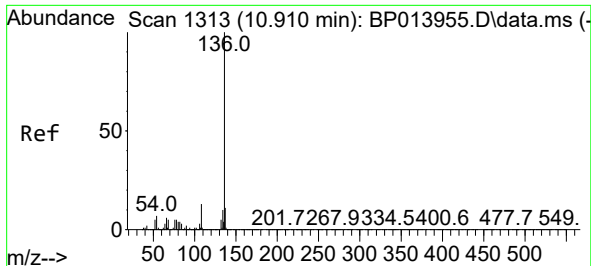
Tgt Ion: 99 Resp: 391884
Ion Ratio Lower Upper
99 100
42 19.6 15.0 22.6
71 41.0 34.3 51.5



#18
Hexachloroethane
Concen: 27.884 ng
RT: 9.134 min Scan# 1011
Delta R.T. 0.017 min
Lab File: BP014327.D
Acq: 27 Mar 2023 23:28

Tgt Ion: 117 Resp: 85415
Ion Ratio Lower Upper
117 100
119 300.9 73.3 109.9#
201 0.0 91.1 136.7#

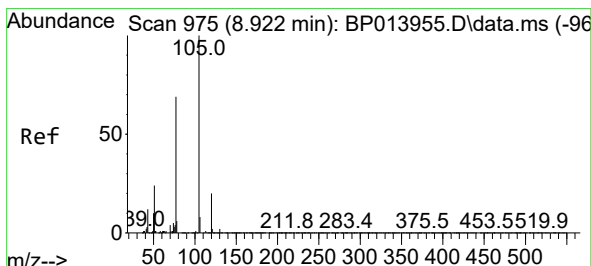
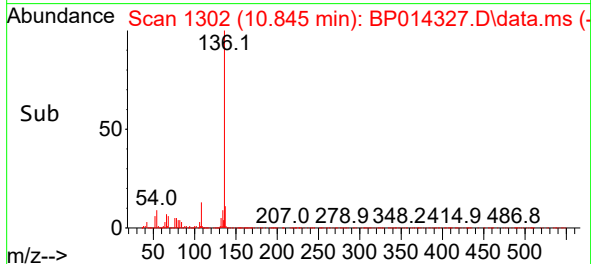
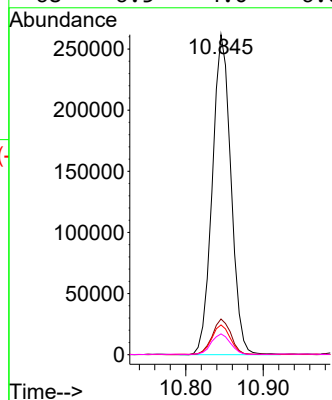
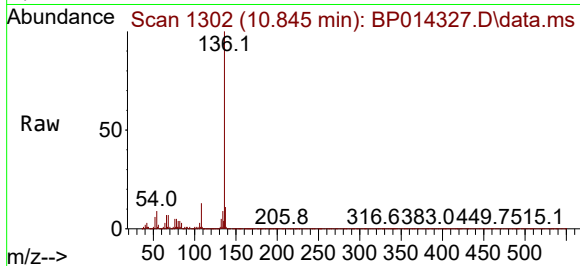




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP014327.D
Acq: 27 Mar 2023 23:28

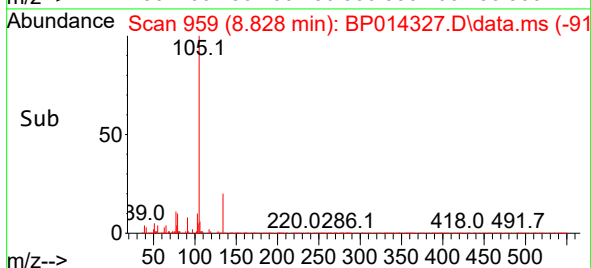
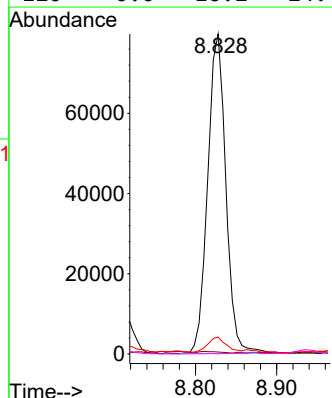
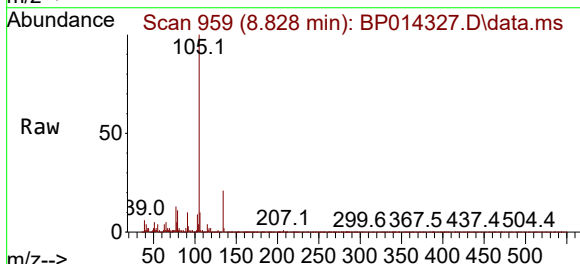
Instrument :
BNA_P
ClientSampleId :
MW-4B

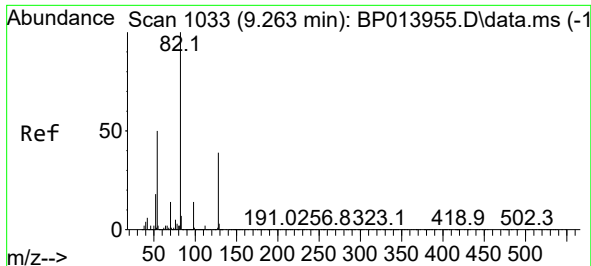
Tgt Ion:136 Resp: 437574
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 9.3 5.8 8.8#
68 6.5 4.0 6.0#



#22
Acetophenone
Concen: 10.066 ng
RT: 8.828 min Scan# 959
Delta R.T. -0.036 min
Lab File: BP014327.D
Acq: 27 Mar 2023 23:28

Tgt Ion:105 Resp: 123553
Ion Ratio Lower Upper
105 100
71 0.6 1.4 2.0#
51 5.3 21.5 32.3#
120 0.0 16.2 24.4#

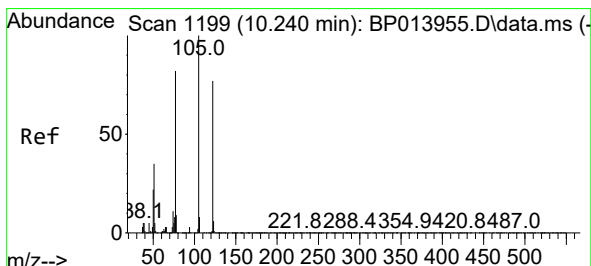
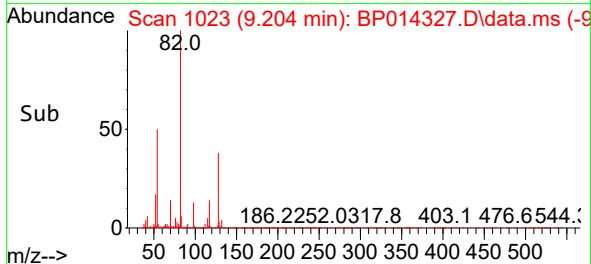
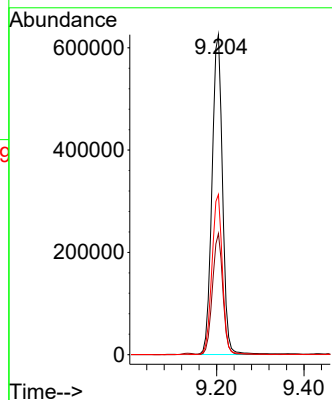
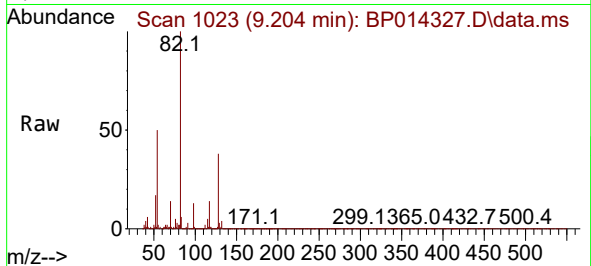




#23
Nitrobenzene-d5
Concen: 109.357 ng
RT: 9.204 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BP014327.D
Acq: 27 Mar 2023 23:28

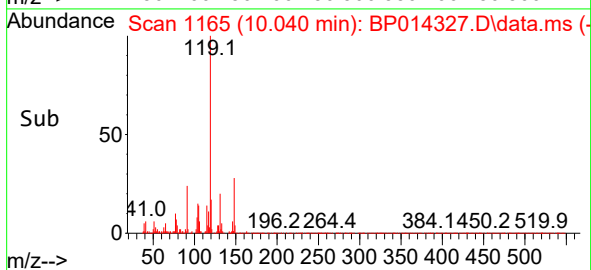
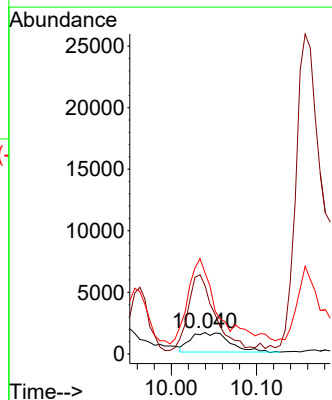
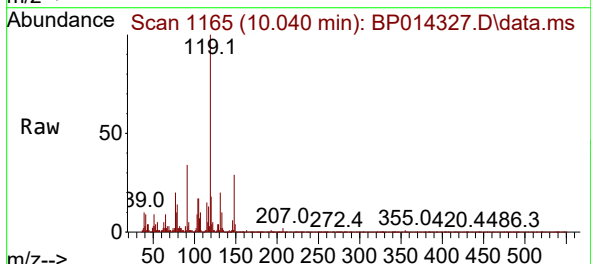
Instrument :
BNA_P
ClientSampleId :
MW-4B

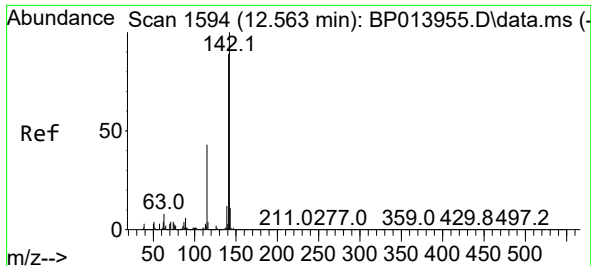
Tgt Ion: 82 Resp: 1046954
Ion Ratio Lower Upper
82 100
128 37.9 31.1 46.7
54 50.1 40.0 60.0



#32
Benzoic acid
Concen: 3.515 ng
RT: 10.040 min Scan# 1165
Delta R.T. -0.141 min
Lab File: BP014327.D
Acq: 27 Mar 2023 23:28

Tgt Ion: 122 Resp: 4948
Ion Ratio Lower Upper
122 100
105 319.3 108.2 148.2#
77 378.8 85.2 125.2#

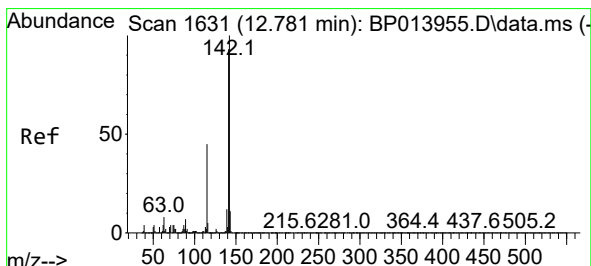
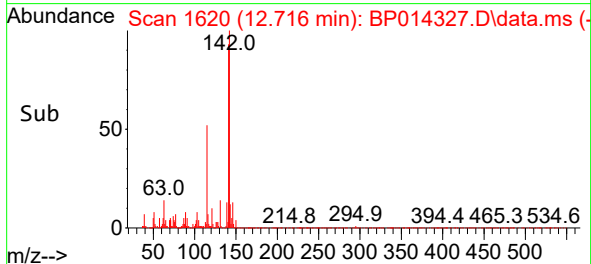
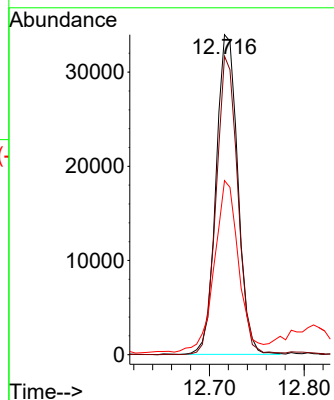
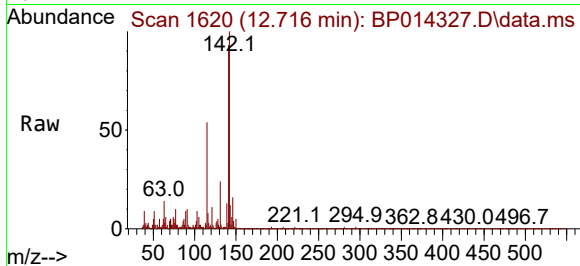




#37
2-Methylnaphthalene
Concen: 3.065 ng
RT: 12.716 min Scan# 1620
Delta R.T. 0.212 min
Lab File: BP014327.D
Acq: 27 Mar 2023 23:28

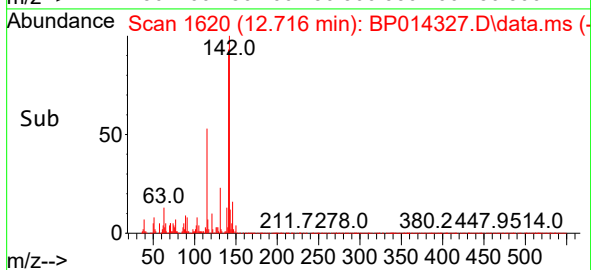
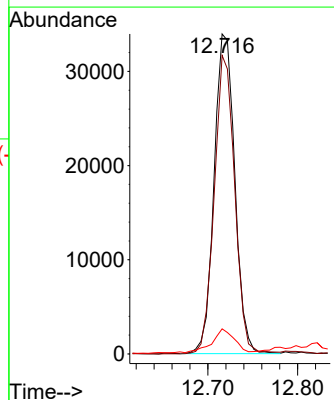
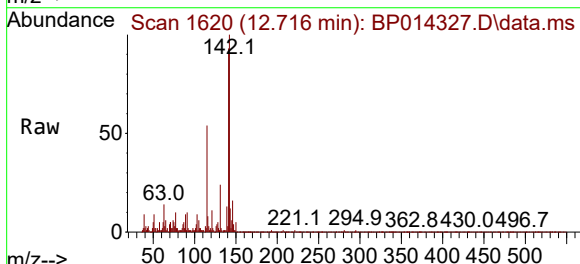
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ClientSampleId :
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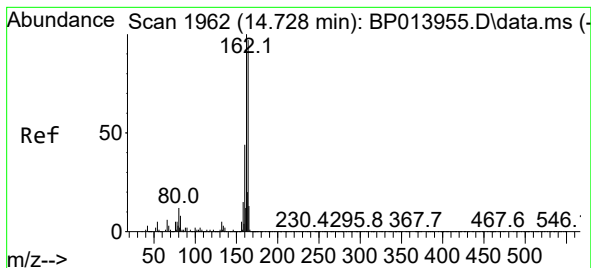
Tgt Ion:142 Resp: 54368
Ion Ratio Lower Upper
142 100
141 93.3 71.0 106.4
115 54.4 34.5 51.7#



#38
1-Methylnaphthalene
Concen: 3.289 ng
RT: 12.716 min Scan# 1620
Delta R.T. -0.012 min
Lab File: BP014327.D
Acq: 27 Mar 2023 23:28

Tgt Ion:142 Resp: 54376
Ion Ratio Lower Upper
142 100
141 93.3 74.4 111.6
116 7.9 3.6 5.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.669 min Scan# 1962

Delta R.T. -0.006 min

Lab File: BP014327.D

Acq: 27 Mar 2023 23:28

Instrument :

BNA_P

ClientSampleId :

MW-4B

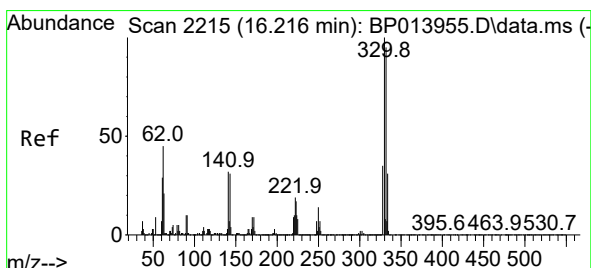
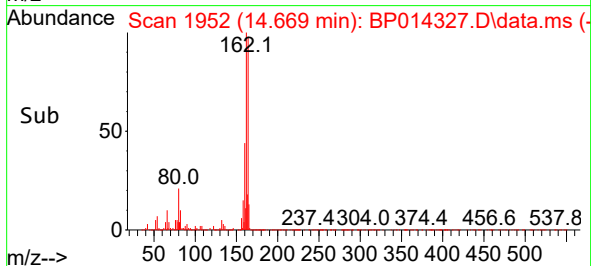
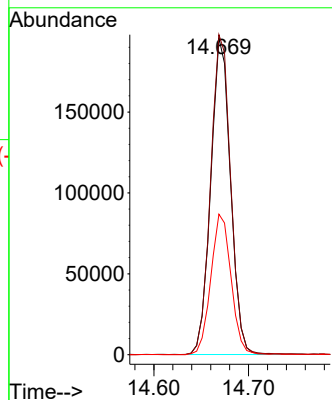
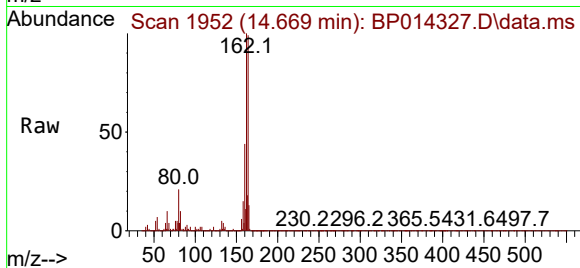
Tgt Ion:164 Resp: 283488

Ion Ratio Lower Upper

164 100

162 101.1 82.1 123.1

160 44.4 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 153.536 ng

RT: 16.169 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BP014327.D

Acq: 27 Mar 2023 23:28

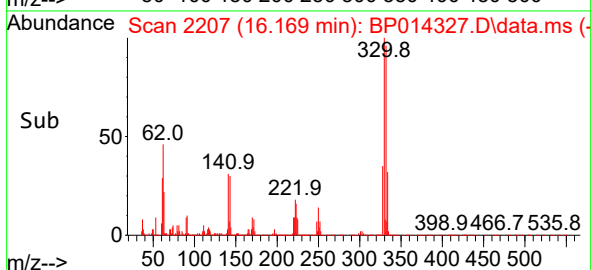
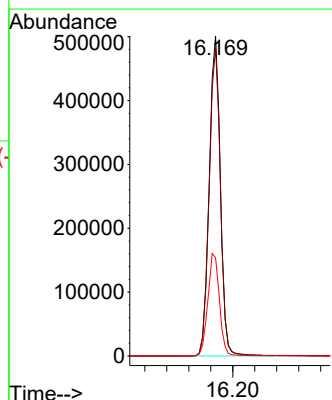
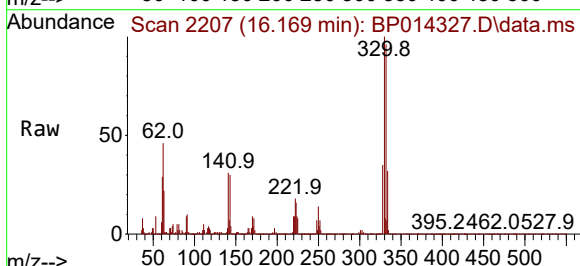
Tgt Ion:330 Resp: 705705

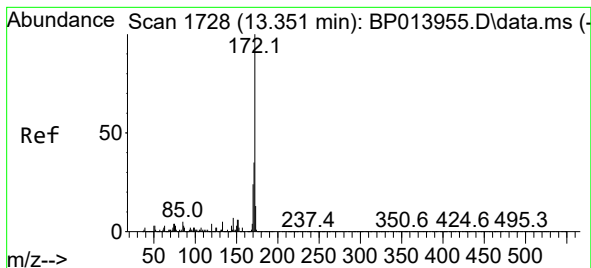
Ion Ratio Lower Upper

330 100

332 96.9 77.1 115.7

141 33.3 25.6 38.4





#45

2-Fluorobiphenyl

Concen: 100.539 ng

RT: 13.292 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP014327.D

Acq: 27 Mar 2023 23:28

Instrument :

BNA_P

ClientSampleId :

MW-4B

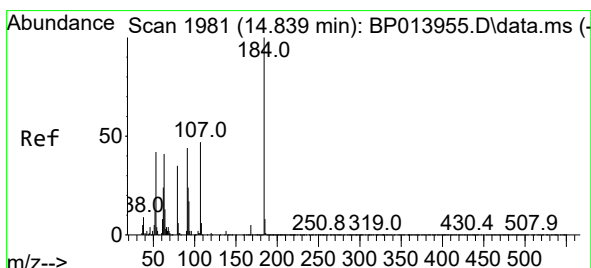
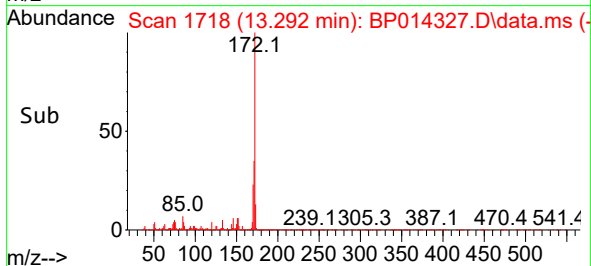
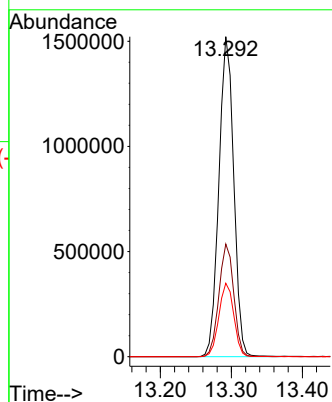
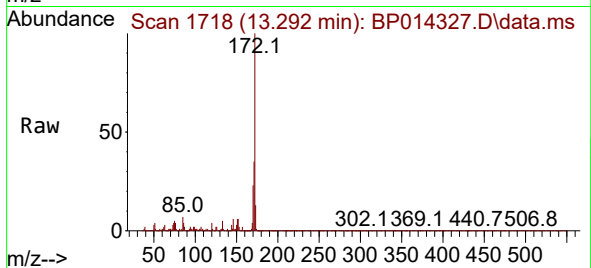
Tgt Ion:172 Resp: 2199922

Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.0 19.0 28.4



#54

2,4-Dinitrophenol

Concen: 3.085 ng

RT: 14.786 min Scan# 1972

Delta R.T. -0.012 min

Lab File: BP014327.D

Acq: 27 Mar 2023 23:28

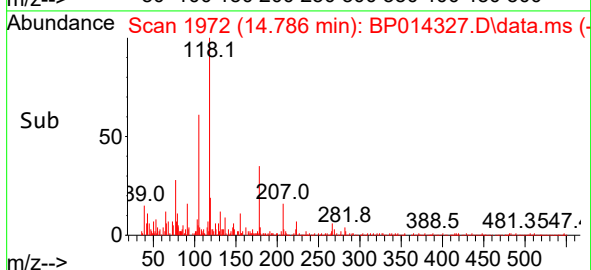
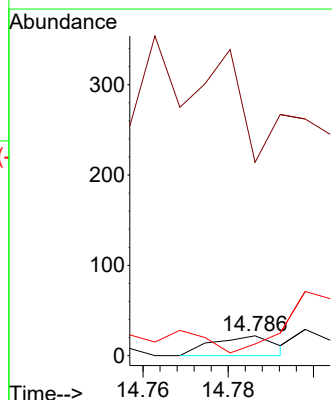
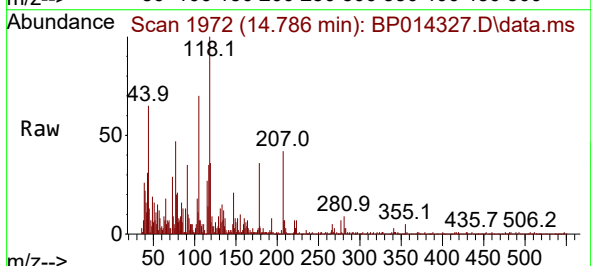
Tgt Ion:184 Resp: 23

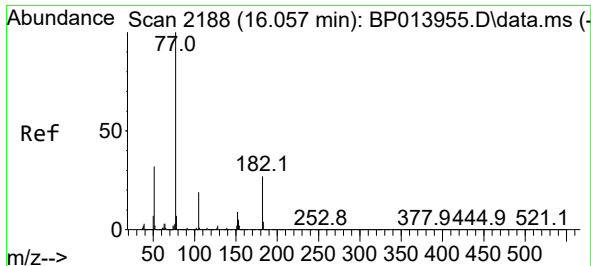
Ion Ratio Lower Upper

184 100

63 972.7 52.4 78.6#

154 59.1 59.4 89.2#

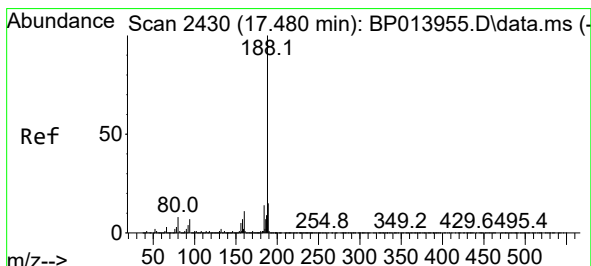
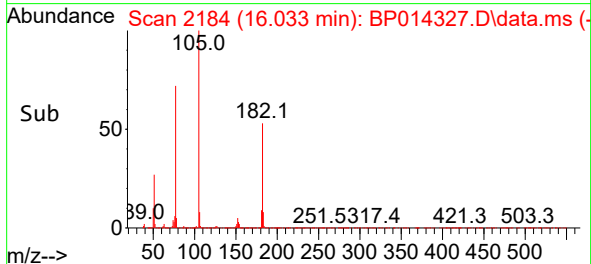
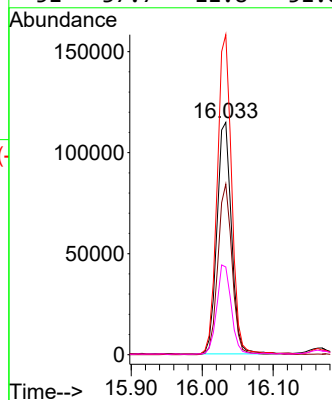
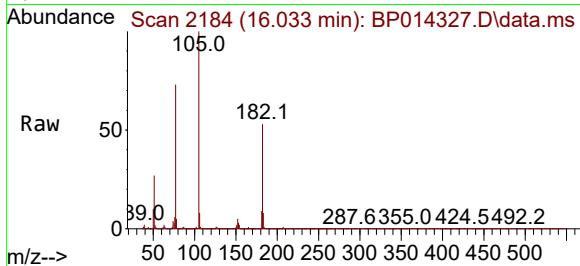




#63
Azobenzene
Concen: 7.612 ng
RT: 16.033 min Scan# 2188
Delta R.T. 0.023 min
Lab File: BP014327.D
Acq: 27 Mar 2023 23:28

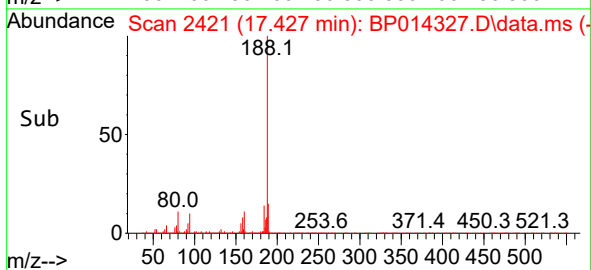
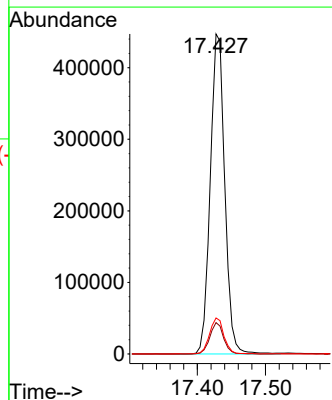
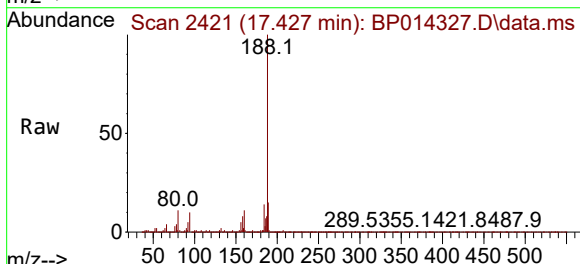
Instrument :
BNA_P
ClientSampleId :
MW-4B

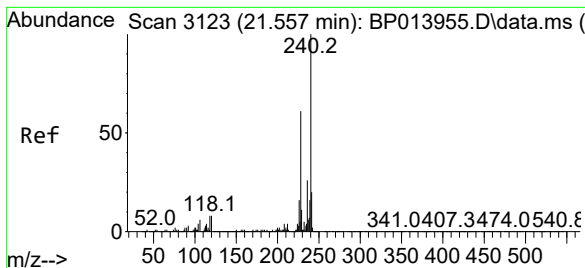
Tgt Ion: 77 Resp: 162639
Ion Ratio Lower Upper
77 100
182 73.5 6.9 46.9#
105 137.8 0.0 39.4#
51 37.7 11.8 51.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.427 min Scan# 2421
Delta R.T. -0.006 min
Lab File: BP014327.D
Acq: 27 Mar 2023 23:28

Tgt Ion: 188 Resp: 662200
Ion Ratio Lower Upper
188 100
94 9.8 5.8 8.6#
80 11.3 6.6 9.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.509 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BP014327.D

Acq: 27 Mar 2023 23:28

Instrument :

BNA_P

ClientSampleId :

MW-4B

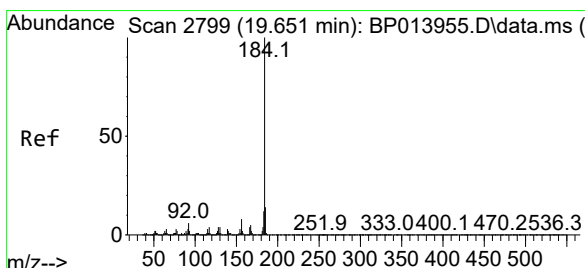
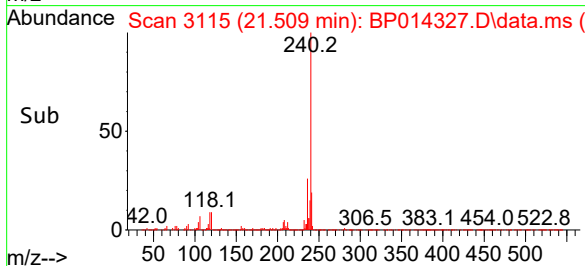
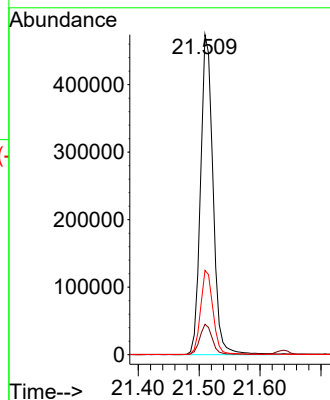
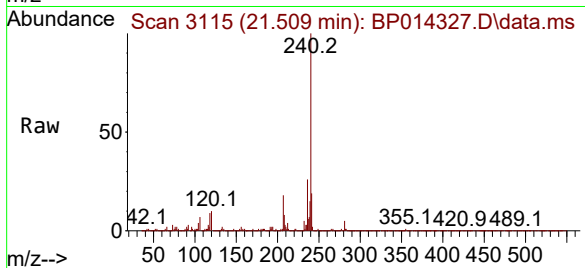
Tgt Ion:240 Resp: 675263

Ion Ratio Lower Upper

240 100

120 9.5 6.4 9.6

236 26.3 21.2 31.8



#77

Benzidine

Concen: 2.852 ng

RT: 19.610 min Scan# 2792

Delta R.T. -0.012 min

Lab File: BP014327.D

Acq: 27 Mar 2023 23:28

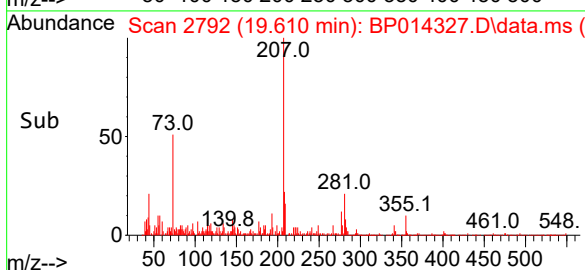
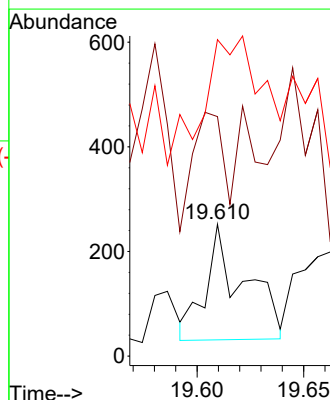
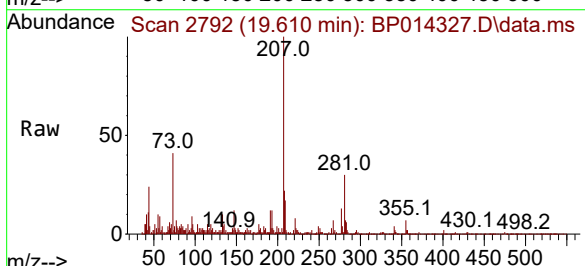
Tgt Ion:184 Resp: 278

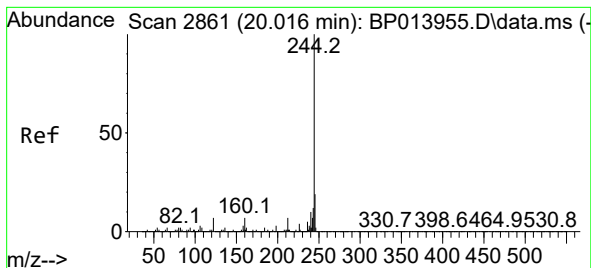
Ion Ratio Lower Upper

184 100

185 181.7 11.6 17.4#

183 240.1 9.7 14.5#





#79

Terphenyl-d14

Concen: 84.424 ng

RT: 19.974 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP014327.D

Acq: 27 Mar 2023 23:28

Instrument :

BNA_P

ClientSampleId :

MW-4B

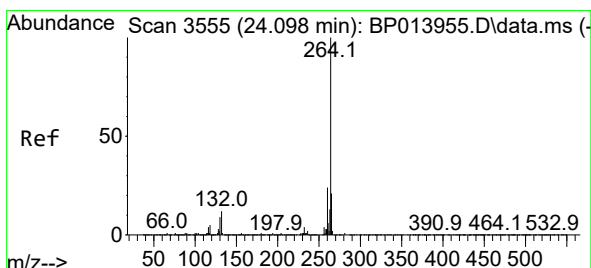
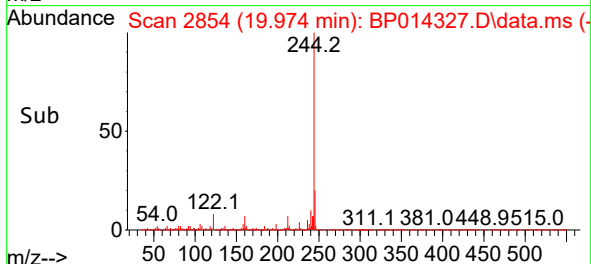
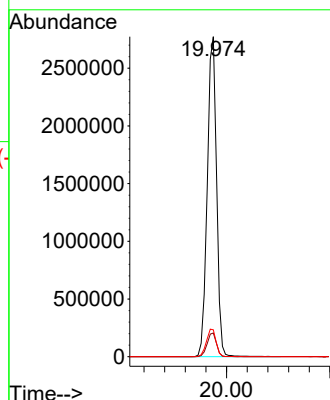
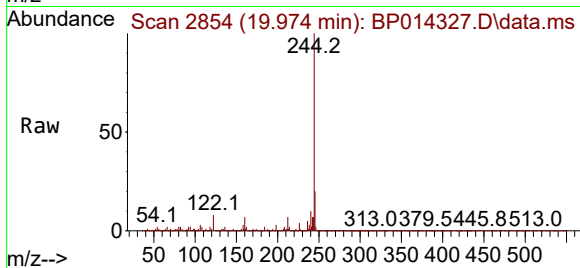
Tgt Ion:244 Resp: 3457276

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 8.4 5.8 8.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.027 min Scan# 3543

Delta R.T. -0.006 min

Lab File: BP014327.D

Acq: 27 Mar 2023 23:28

Tgt Ion:264 Resp: 754620

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

265 22.9 17.8 26.8

