

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015312.D
 Acq On : 26 May 2023 16:51
 Operator : CG/JU
 Sample : 02945-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TWP03

Quant Time: May 26 18:11:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

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

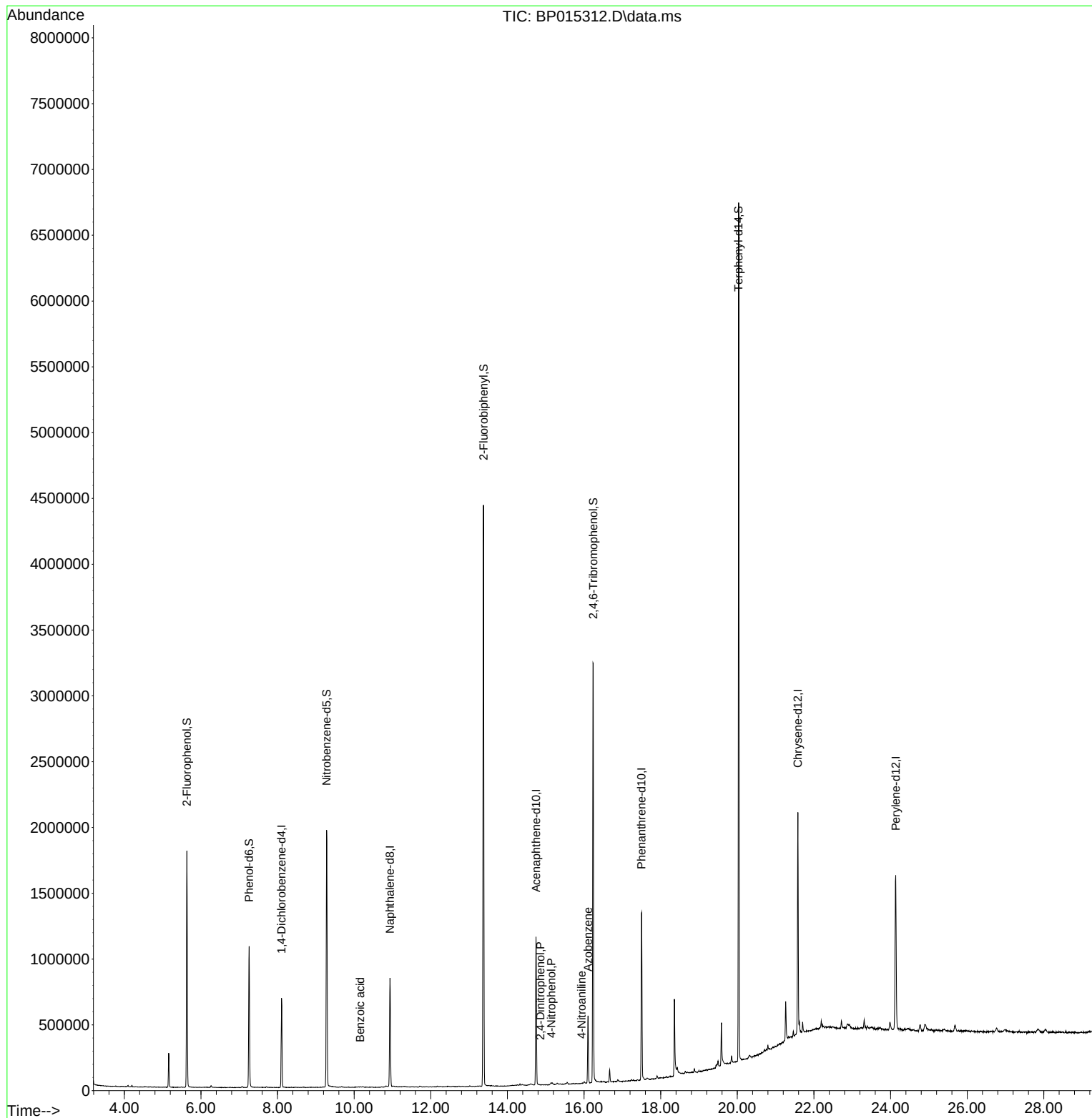
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	176716	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	662747	20.000	ng	0.00
39) Acenaphthene-d10	14.745	164	369112	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	784558	20.000	ng	0.00
76) Chrysene-d12	21.580	240	794067	20.000	ng	0.00
86) Perylene-d12	24.133	264	970937	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	727245	68.193	ng	0.00
7) Phenol-d6	7.258	99	594627	42.546	ng	0.00
23) Nitrobenzene-d5	9.281	82	1128010	83.103	ng	-0.01
42) 2,4,6-Tribromophenol	16.239	330	586267	116.880	ng	0.00
45) 2-Fluorobiphenyl	13.375	172	2235502	81.311	ng	0.00
79) Terphenyl-d14	20.033	244	3134592	74.251	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.258	77	1906	Below Cal	#	23
32) Benzoic acid	10.157	122	690	6.419	ng	95
54) 2,4-Dinitrophenol	14.857	184	23	5.193	ng	# 1
56) 4-Nitrophenol	15.145	139	810	3.571	ng	93
62) 4-Nitroaniline	15.939	138	279	2.345	ng	93
63) Azobenzene	16.104	77	147453	5.373	ng	# 1

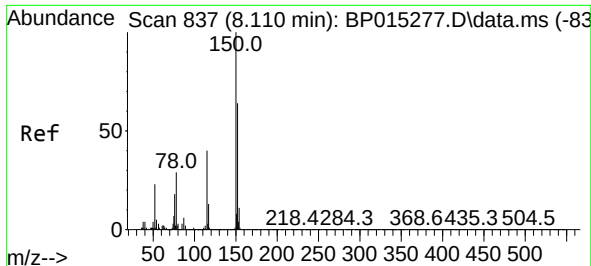
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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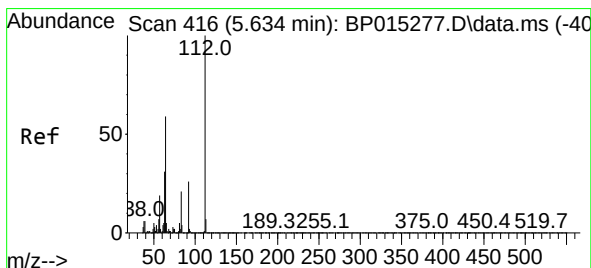
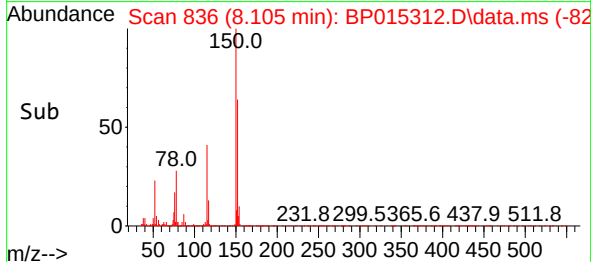
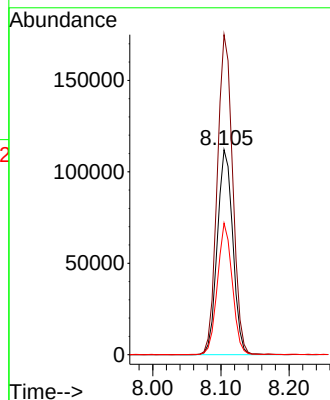
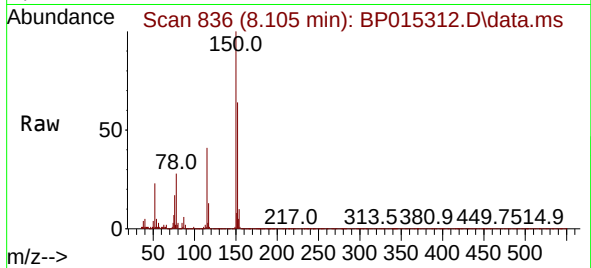




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.105 min Scan# 81
 Delta R.T. -0.005 min
 Lab File: BP015312.D
 Acq: 26 May 2023 16:51

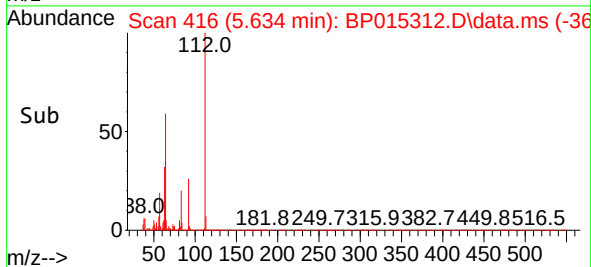
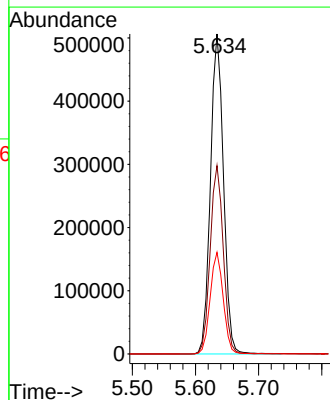
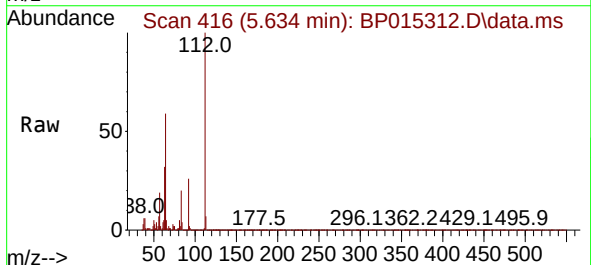
Instrument :
 BNA_P
 ClientSampleId :
 TWP03

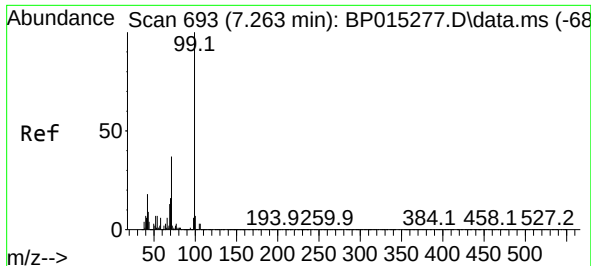
Tgt Ion:152 Resp: 176716
 Ion Ratio Lower Upper
 152 100
 150 156.1 124.2 186.2
 115 64.1 49.1 73.7



#5
 2-Fluorophenol
 Concen: 68.193 ng
 RT: 5.634 min Scan# 416
 Delta R.T. -0.000 min
 Lab File: BP015312.D
 Acq: 26 May 2023 16:51

Tgt Ion:112 Resp: 727245
 Ion Ratio Lower Upper
 112 100
 64 58.9 47.2 70.8
 63 31.8 24.6 37.0

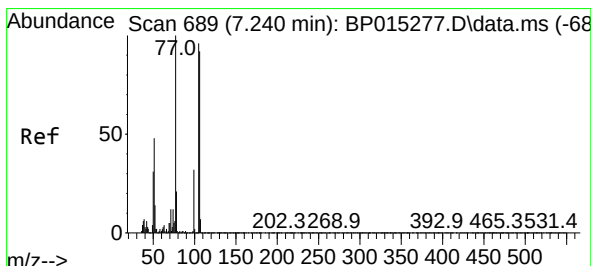
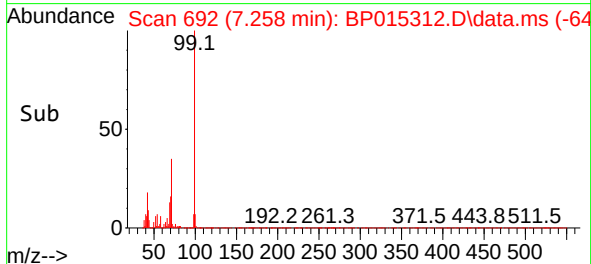
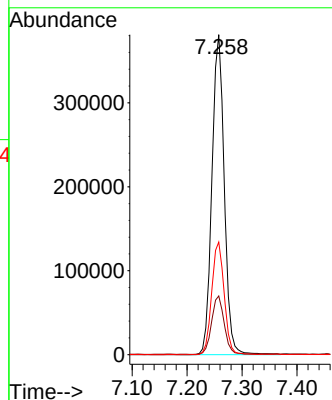
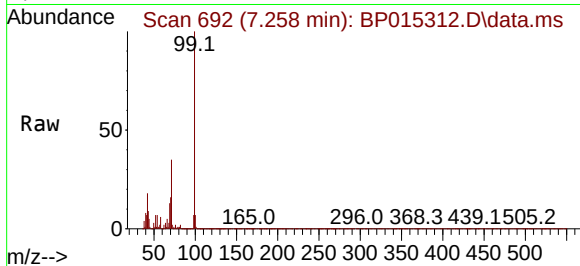




#7
Phenol-d6
Concen: 42.546 ng
RT: 7.258 min Scan# 692
Delta R.T. -0.006 min
Lab File: BP015312.D
Acq: 26 May 2023 16:51

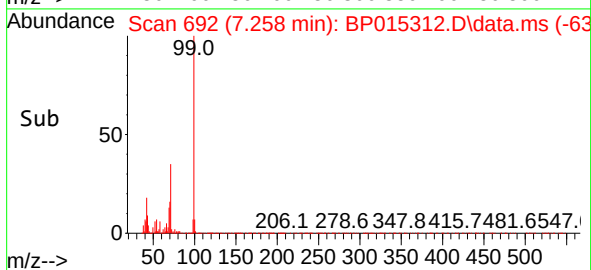
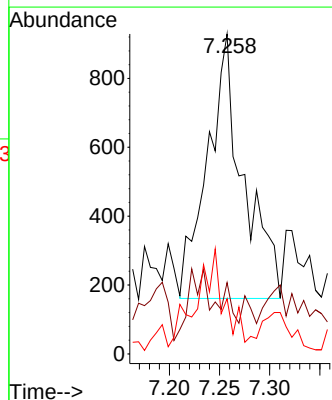
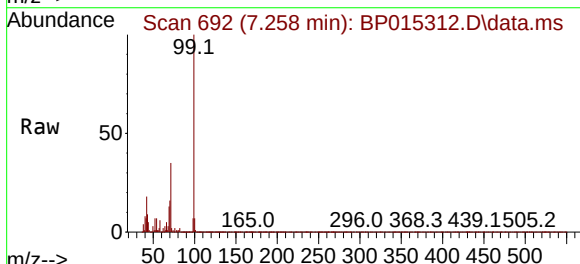
Instrument :
BNA_P
ClientSampleId :
TWP03

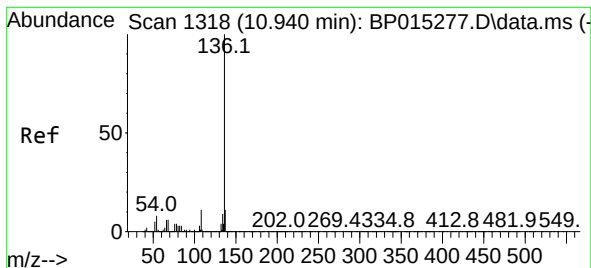
Tgt Ion: 99 Resp: 594627
Ion Ratio Lower Upper
99 100
42 18.4 14.6 22.0
71 35.2 29.4 44.2



#9
Benzaldehyde
Concen: Below Cal
RT: 7.258 min Scan# 692
Delta R.T. 0.018 min
Lab File: BP015312.D
Acq: 26 May 2023 16:51

Tgt Ion: 77 Resp: 1906
Ion Ratio Lower Upper
77 100
105 22.3 75.9 115.9#
106 17.2 72.3 112.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.934 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP015312.D

Acq: 26 May 2023 16:51

Instrument :

BNA_P

ClientSampleId :

TWP03

Tgt Ion:136 Resp: 662747

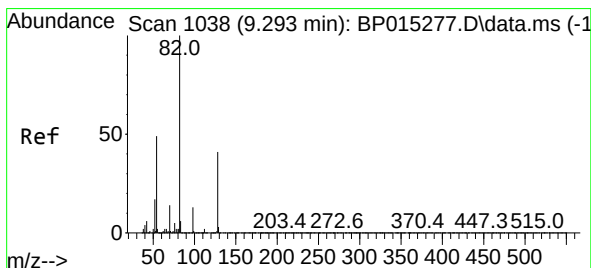
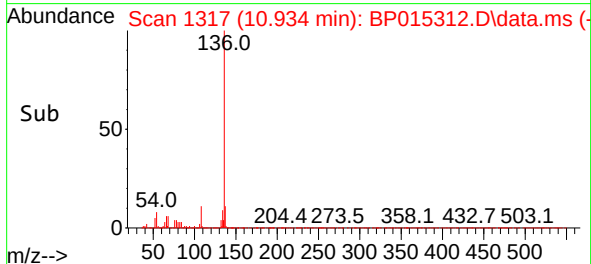
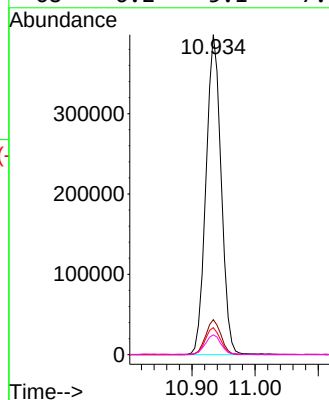
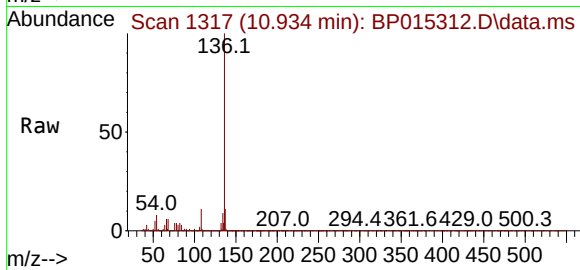
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.5 6.3 9.5

68 6.2 5.1 7.7



#23

Nitrobenzene-d5

Concen: 83.103 ng

RT: 9.281 min Scan# 1036

Delta R.T. -0.012 min

Lab File: BP015312.D

Acq: 26 May 2023 16:51

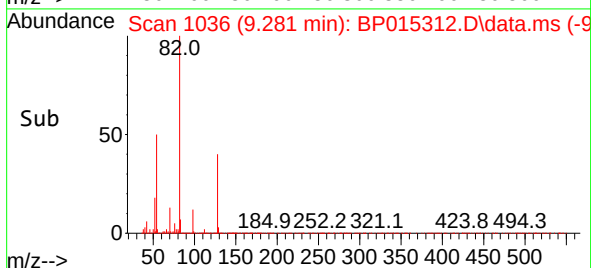
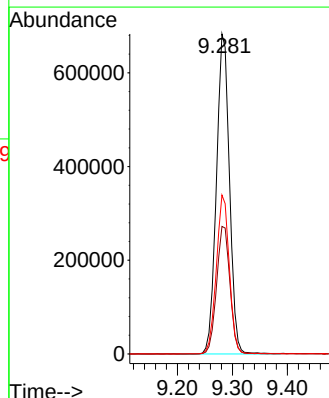
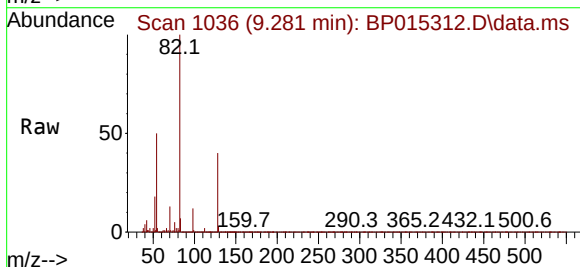
Tgt Ion: 82 Resp: 1128010

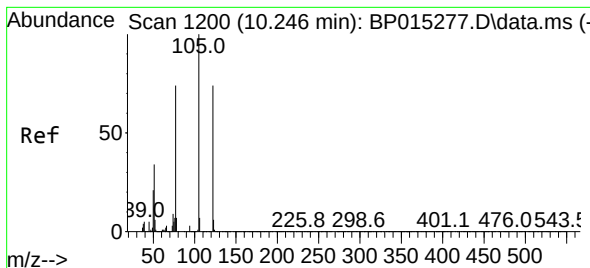
Ion Ratio Lower Upper

82 100

128 39.9 33.0 49.4

54 49.7 39.2 58.8





#32

Benzoic acid

Concen: 6.419 ng

RT: 10.157 min Scan# 1185

Delta R.T. -0.089 min

Lab File: BP015312.D

Acq: 26 May 2023 16:51

Instrument :

BNA_P

ClientSampleId :

TWP03

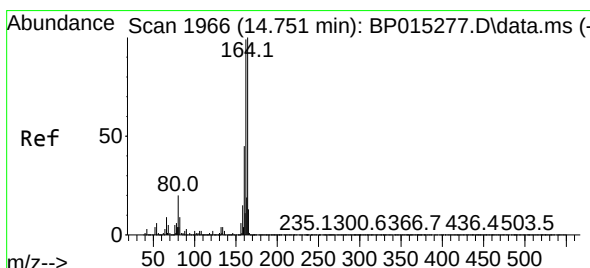
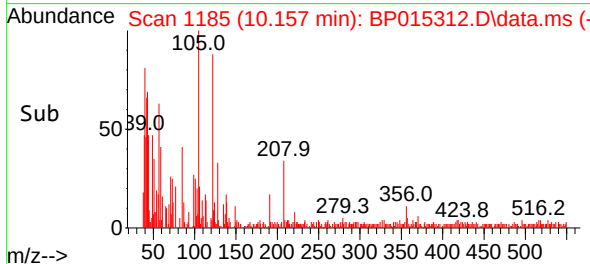
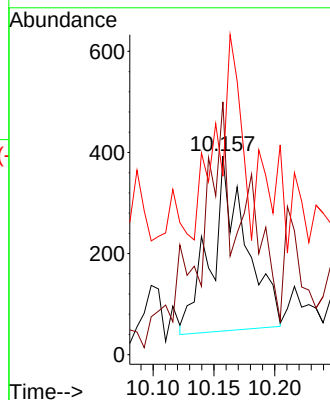
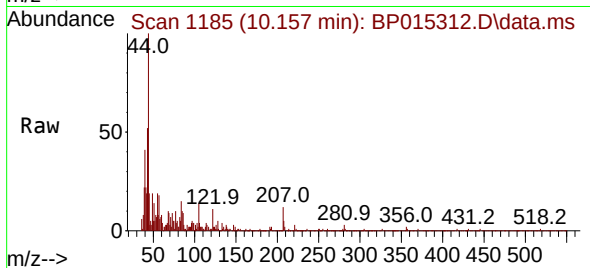
Tgt Ion:122 Resp: 690

Ion Ratio Lower Upper

122 100

105 127.2 109.5 149.5

77 89.8 78.2 118.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.745 min Scan# 1965

Delta R.T. -0.006 min

Lab File: BP015312.D

Acq: 26 May 2023 16:51

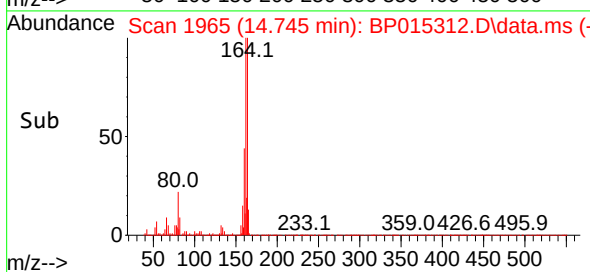
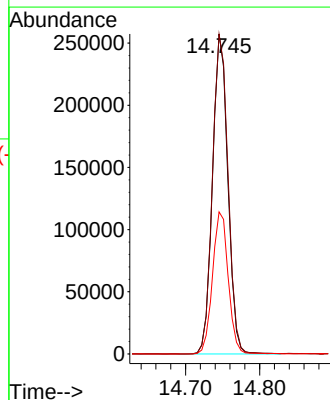
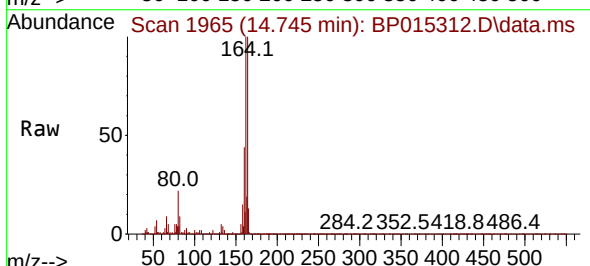
Tgt Ion:164 Resp: 369112

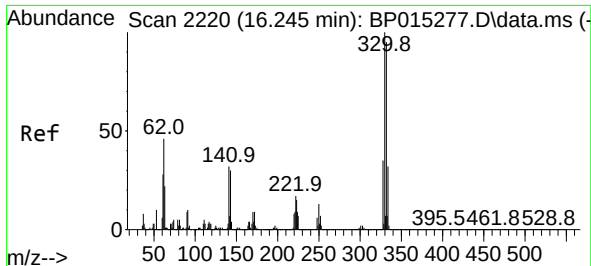
Ion Ratio Lower Upper

164 100

162 99.9 79.4 119.2

160 44.4 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 116.880 ng

RT: 16.239 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP015312.D

Acq: 26 May 2023 16:51

Instrument :

BNA_P

ClientSampleId :

TWP03

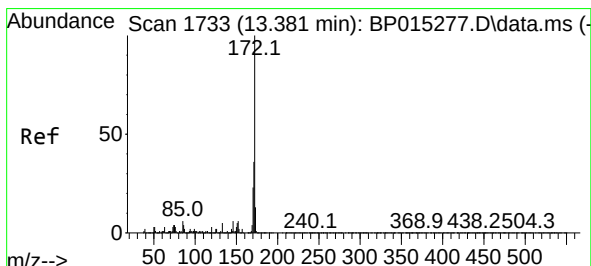
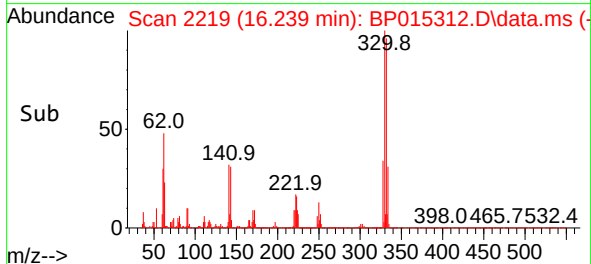
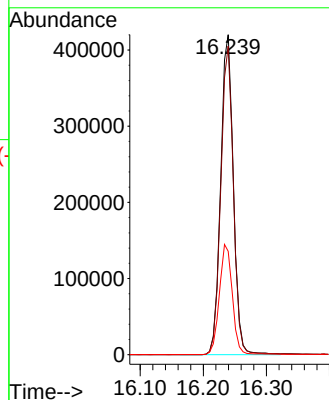
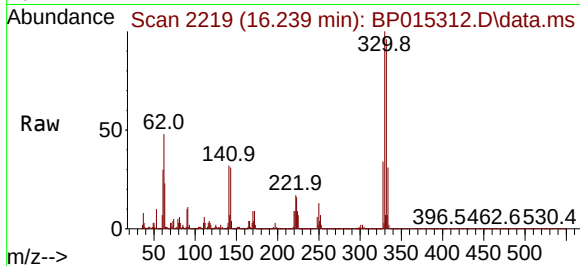
Tgt Ion:330 Resp: 586267

Ion Ratio Lower Upper

330 100

332 96.2 76.3 114.5

141 35.3 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 81.311 ng

RT: 13.375 min Scan# 1732

Delta R.T. -0.006 min

Lab File: BP015312.D

Acq: 26 May 2023 16:51

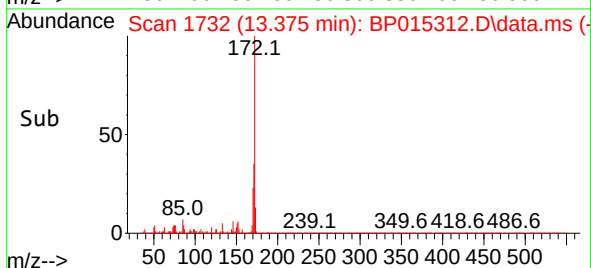
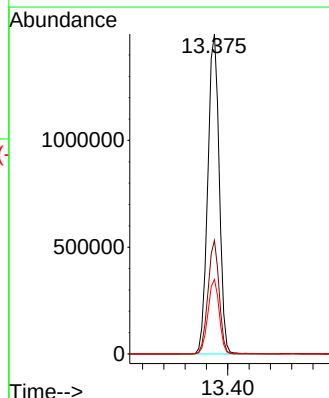
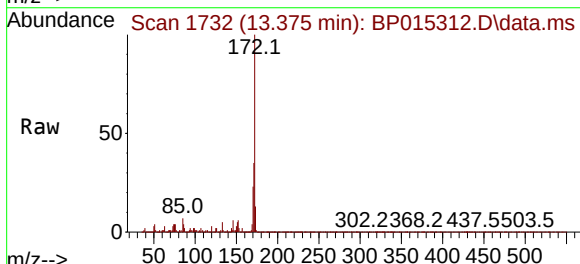
Tgt Ion:172 Resp: 2235502

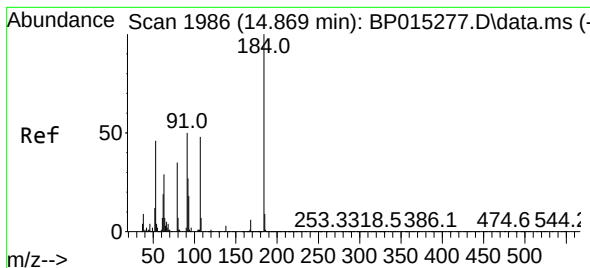
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.3 18.7 28.1





#54

2,4-Dinitrophenol

Concen: 5.193 ng

RT: 14.857 min Scan# 1984

Delta R.T. -0.012 min

Lab File: BP015312.D

Acq: 26 May 2023 16:51

Instrument :

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TWP03

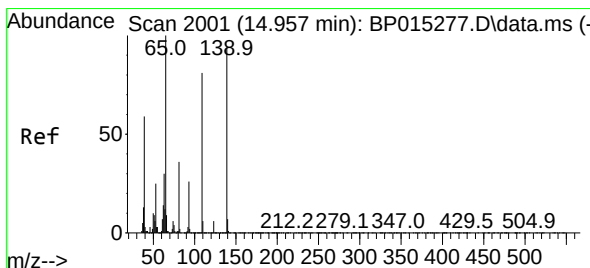
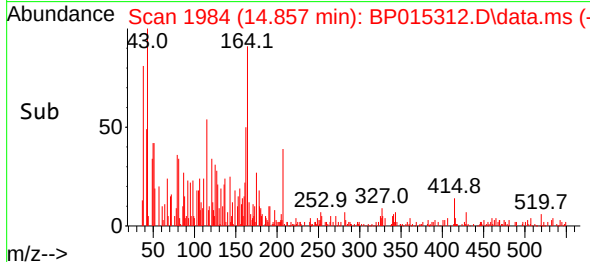
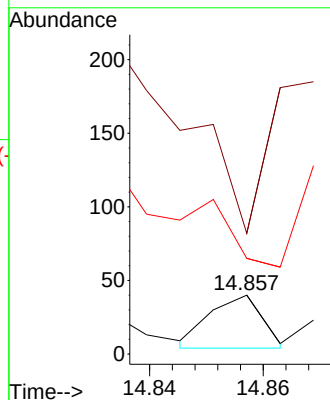
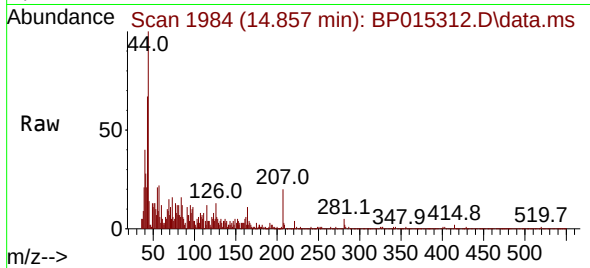
Tgt Ion:184 Resp: 23

Ion Ratio Lower Upper

184 100

63 205.0 56.2 84.4#

154 162.5 53.2 79.8#



#56

4-Nitrophenol

Concen: 3.571 ng

RT: 15.145 min Scan# 2033

Delta R.T. 0.188 min

Lab File: BP015312.D

Acq: 26 May 2023 16:51

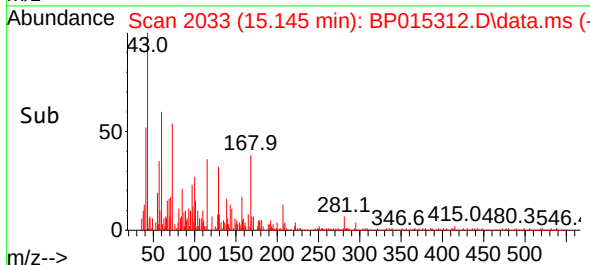
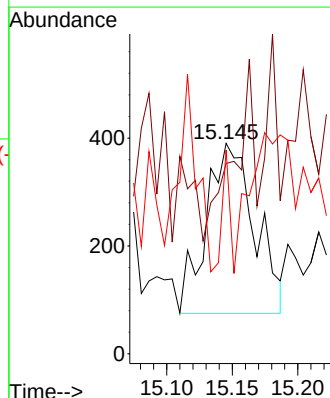
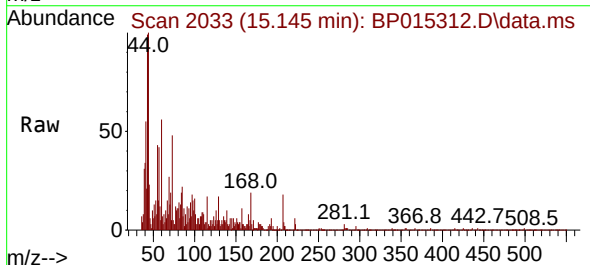
Tgt Ion:139 Resp: 810

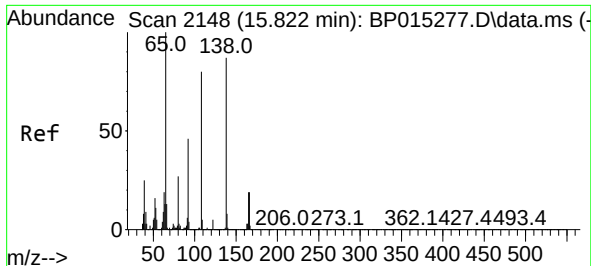
Ion Ratio Lower Upper

139 100

109 90.5 66.5 106.5

65 96.9 86.6 126.6

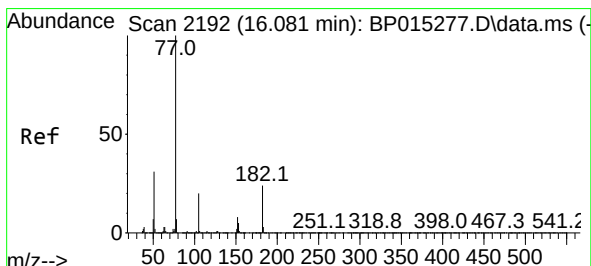
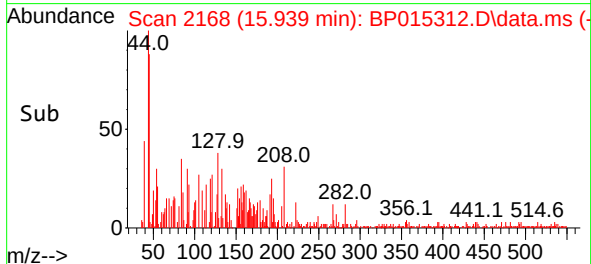
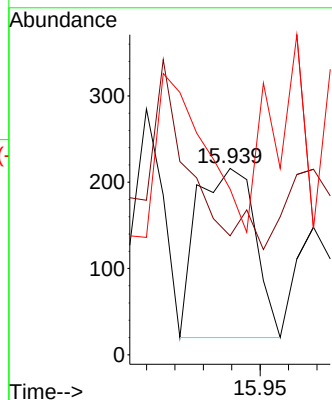
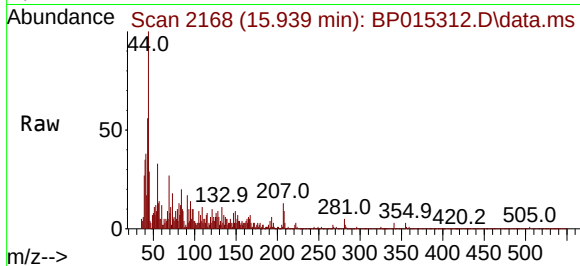




#62
4-Nitroaniline
Concen: 2.345 ng
RT: 15.939 min Scan# 2148
Delta R.T. 0.117 min
Lab File: BP015312.D
Acq: 26 May 2023 16:51

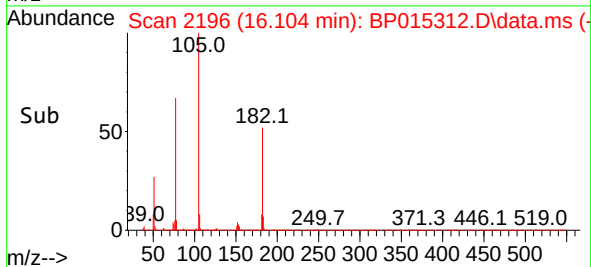
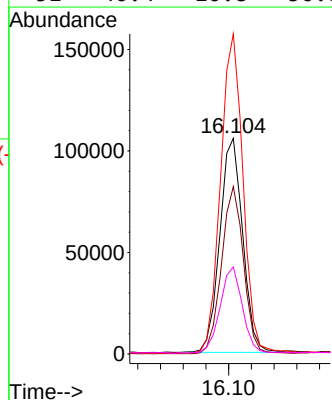
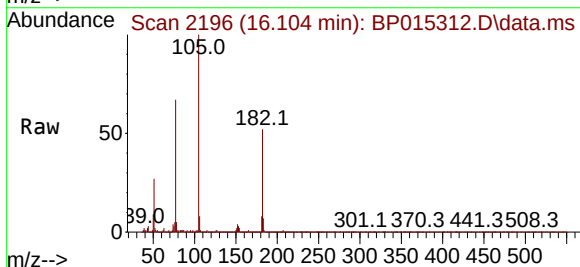
Instrument :
BNA_P
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TWP03

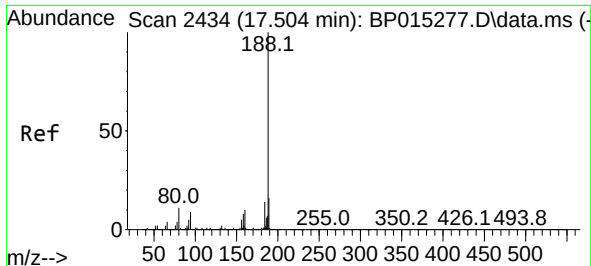
Tgt Ion:138 Resp: 279
Ion Ratio Lower Upper
138 100
92 63.9 33.1 73.1
108 88.9 71.0 111.0



#63
Azobenzene
Concen: 5.373 ng
RT: 16.104 min Scan# 2196
Delta R.T. 0.023 min
Lab File: BP015312.D
Acq: 26 May 2023 16:51

Tgt Ion: 77 Resp: 147453
Ion Ratio Lower Upper
77 100
182 77.6 3.9 43.9#
105 148.4 0.3 40.3#
51 40.4 10.8 50.8

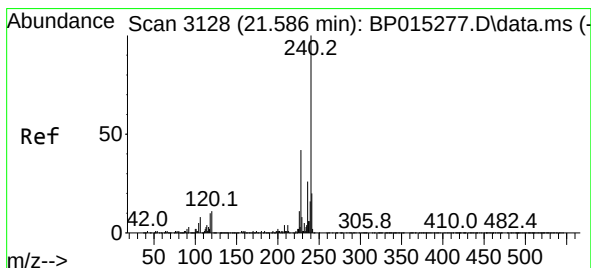
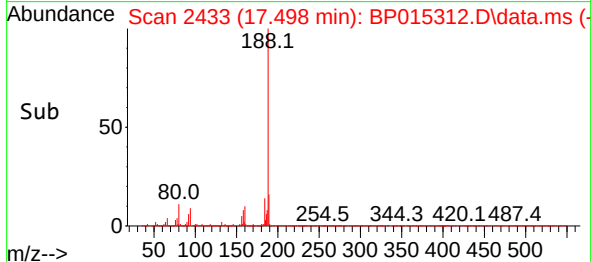
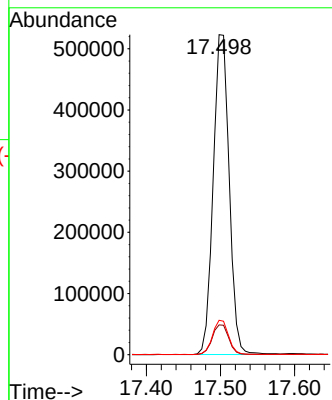
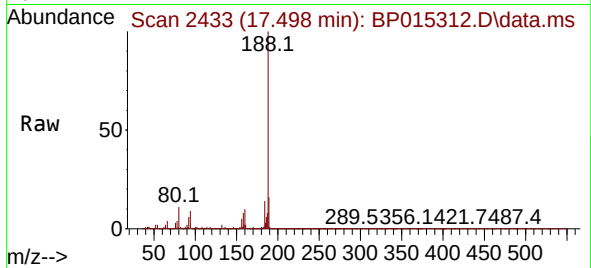




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.498 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP015312.D
Acq: 26 May 2023 16:51

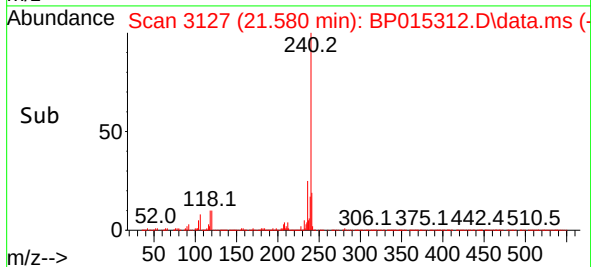
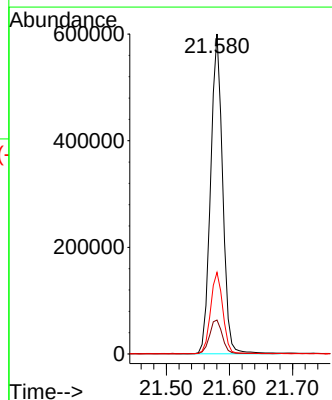
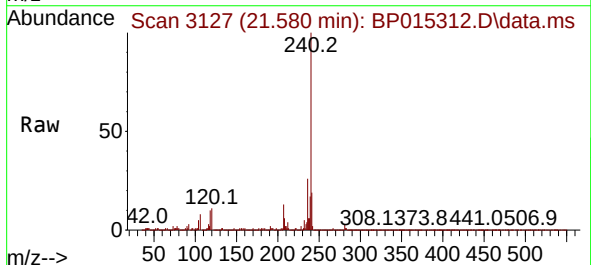
Instrument :
BNA_P
ClientSampleId :
TWP03

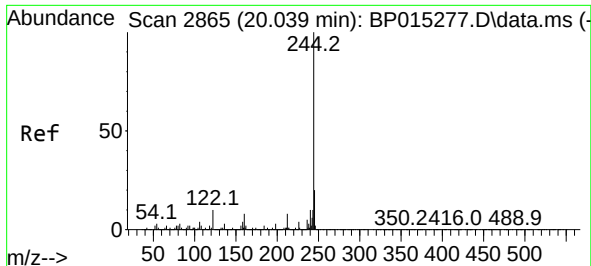
Tgt Ion:188 Resp: 784558
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.0
80 10.7 8.6 13.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.580 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BP015312.D
Acq: 26 May 2023 16:51

Tgt Ion:240 Resp: 794067
Ion Ratio Lower Upper
240 100
120 10.6 8.8 13.2
236 25.5 20.5 30.7

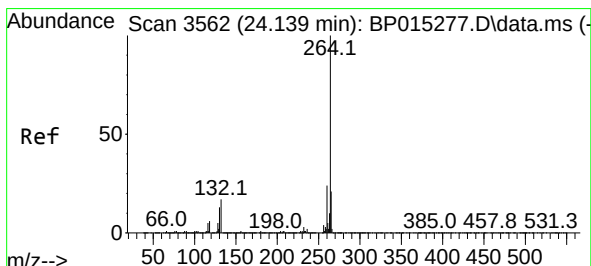
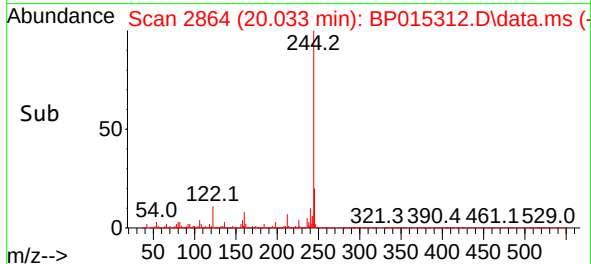
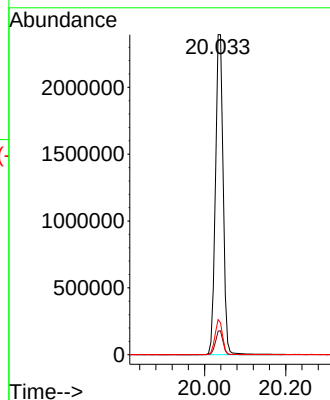
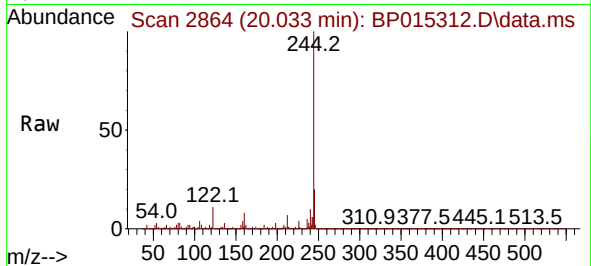




#79
 Terphenyl-d14
 Concen: 74.251 ng
 RT: 20.033 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP015312.D
 Acq: 26 May 2023 16:51

Instrument :
 BNA_P
 ClientSampleId :
 TWP03

Tgt Ion:244 Resp: 3134592
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 11.0 8.2 12.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.133 min Scan# 3561
 Delta R.T. -0.006 min
 Lab File: BP015312.D
 Acq: 26 May 2023 16:51

Tgt Ion:264 Resp: 970937
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.0 28.6
 265 21.1 17.5 26.3

