

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015327.D
 Acq On : 27 May 2023 01:16
 Operator : CG/JU
 Sample : 02937-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 AU-06-052423

Quant Time: May 29 02:10:49 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)

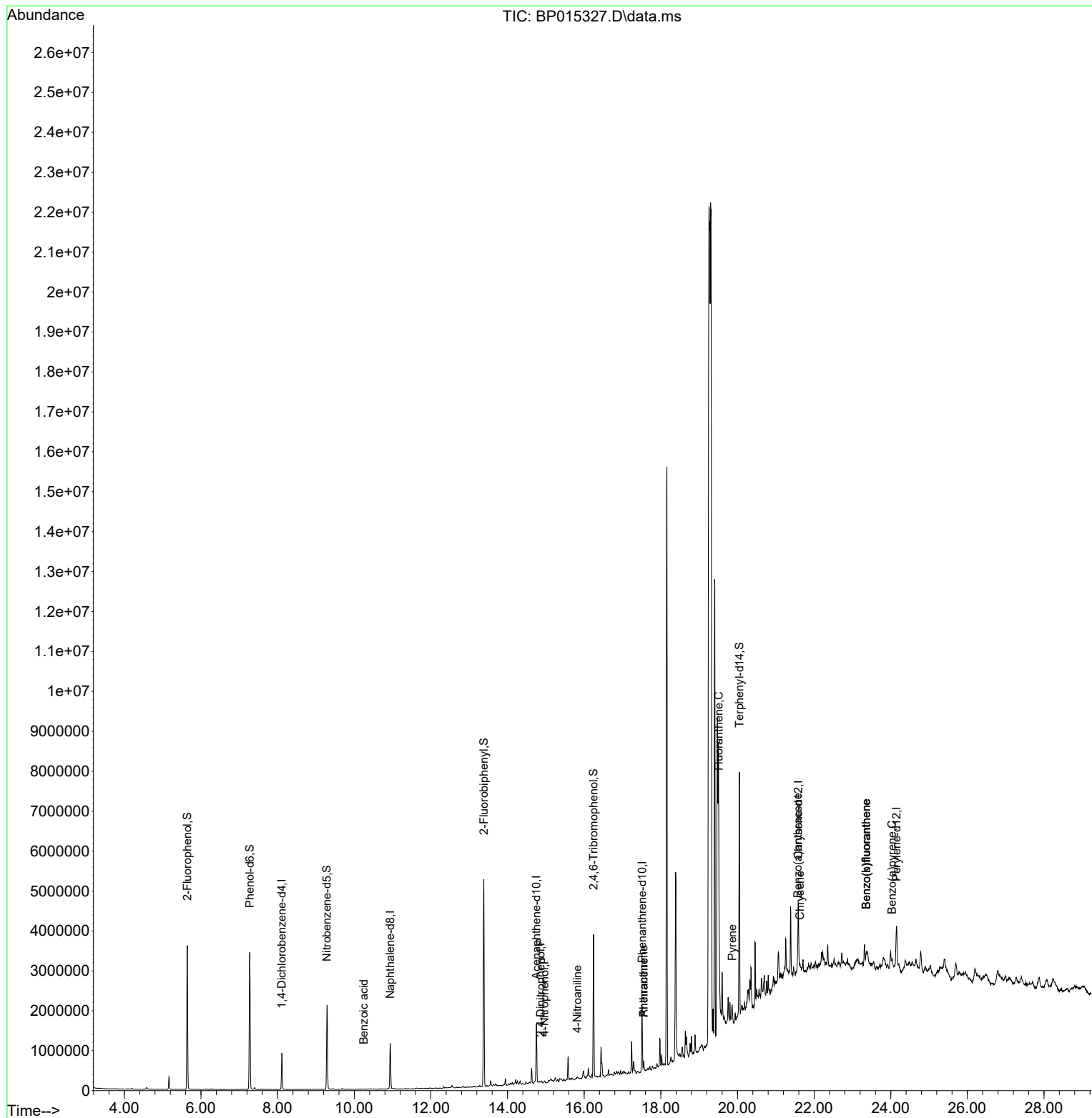
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	231360	20.000	ng	0.00
21) Naphthalene-d8	10.940	136	902818	20.000	ng	0.00
39) Acenaphthene-d10	14.751	164	494786	20.000	ng	0.00
64) Phenanthrene-d10	17.510	188	931498	20.000	ng	0.00
76) Chrysene-d12	21.586	240	769931	20.000	ng	0.00
86) Perylene-d12	24.151	264	951735	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.646	112	1530235	109.599	ng	0.01
7) Phenol-d6	7.275	99	1952148	106.689	ng	0.01
23) Nitrobenzene-d5	9.287	82	1215902	65.758	ng	0.00
42) 2,4,6-Tribromophenol	16.245	330	678667	100.935	ng	0.00
45) 2-Fluorobiphenyl	13.381	172	2559259	69.443	ng	0.00
79) Terphenyl-d14	20.051	244	2889832	70.599	ng	0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.269	77	4274	Below Cal	#	14
32) Benzoic acid	10.246	122	180	6.358	ng	# 11
54) 2,4-Dinitrophenol	14.863	184	139	5.211	ng	# 1
56) 4-Nitrophenol	14.963	139	1107	3.573	ng	# 22
62) 4-Nitroaniline	15.822	138	227	2.329	ng	# 1
71) Phenanthrene	17.551	178	116691	2.350	ng	99
72) Anthracene	17.551	178	116691	2.347	ng	99
75) Fluoranthene	19.510	202	190876	3.291	ng	81
78) Pyrene	19.863	202	236149	4.287	ng	97
81) Benzo(a)anthracene	21.574	228	122125	2.283	ng	# 81
83) Chrysene	21.627	228	144169	2.810	ng	# 84
88) Benzo(b)fluoranthene	23.363	252	174718	3.019	ng	# 67
89) Benzo(k)fluoranthene	23.363	252	174718	2.998	ng	# 66
90) Benzo(a)pyrene	24.033	252	114370	2.047	ng	# 62

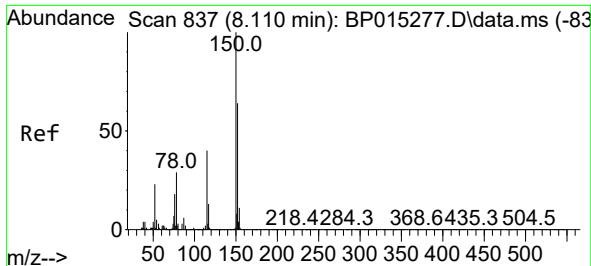
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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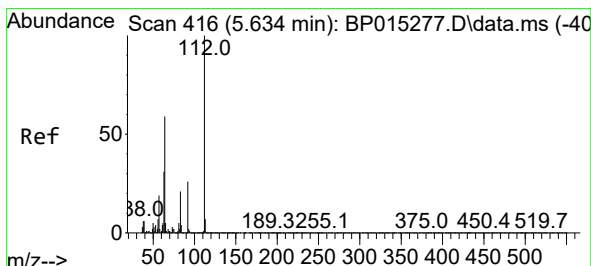
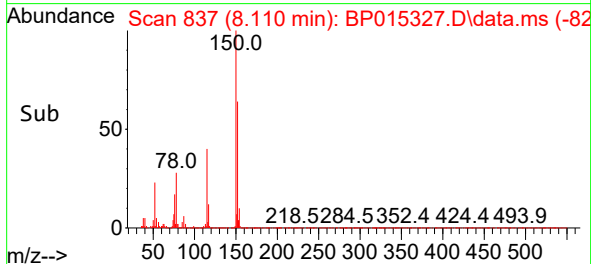
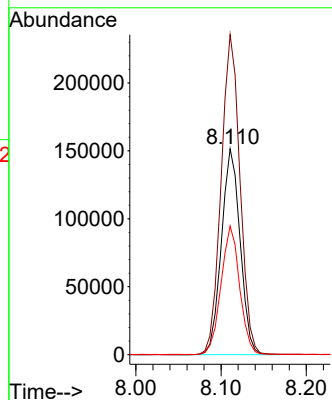
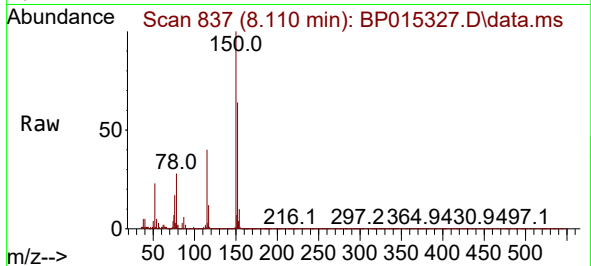




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.110 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP015327.D
Acq: 27 May 2023 01:16

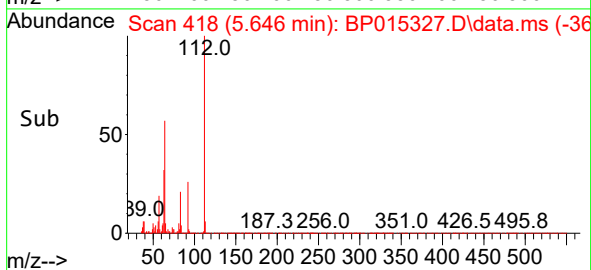
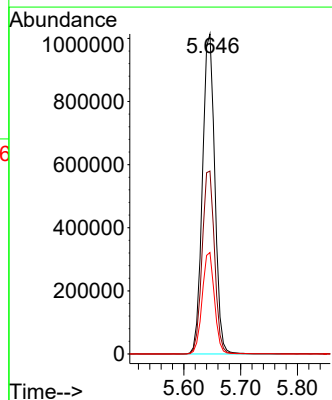
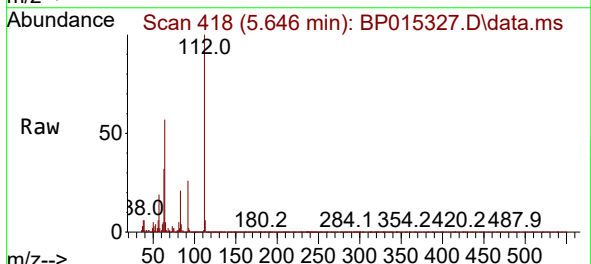
Instrument :
BNA_P
ClientSampleId :
AU-06-052423

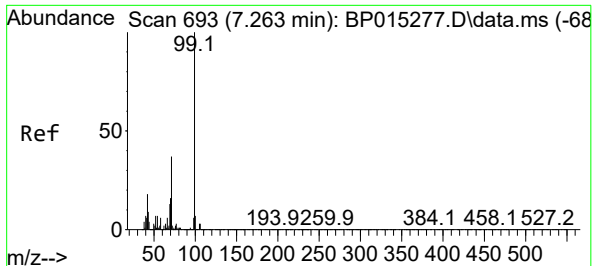
Tgt Ion:152 Resp: 231360
Ion Ratio Lower Upper
152 100
150 155.4 124.2 186.2
115 62.5 49.1 73.7



#5
2-Fluorophenol
Concen: 109.599 ng
RT: 5.646 min Scan# 418
Delta R.T. 0.012 min
Lab File: BP015327.D
Acq: 27 May 2023 01:16

Tgt Ion:112 Resp: 1530235
Ion Ratio Lower Upper
112 100
64 57.2 47.2 70.8
63 31.7 24.6 37.0



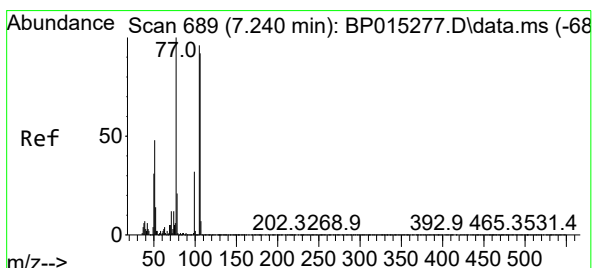
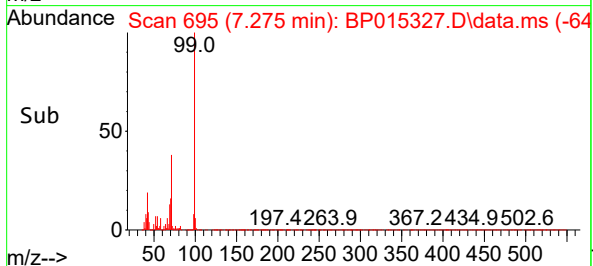
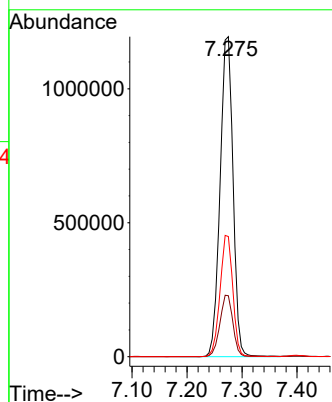
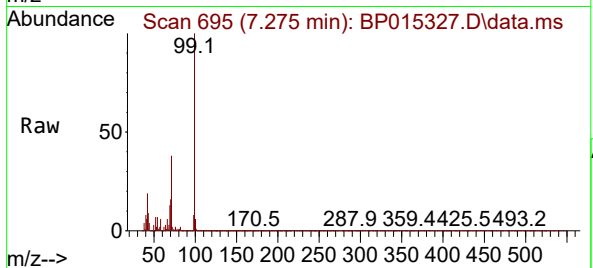


#7
Phenol-d6
Concen: 106.689 ng
RT: 7.275 min Scan# 694
Delta R.T. 0.012 min
Lab File: BP015327.D
Acq: 27 May 2023 01:16

Instrument :
BNA_P
ClientSampleId :
AU-06-052423

Tgt Ion: 99 Resp: 1952148

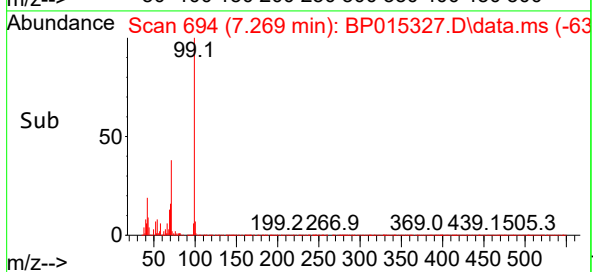
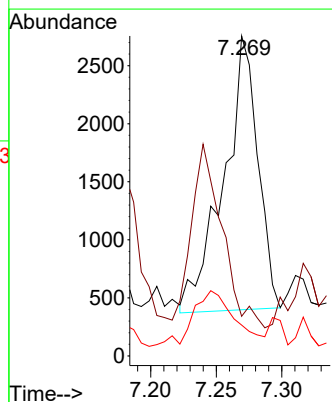
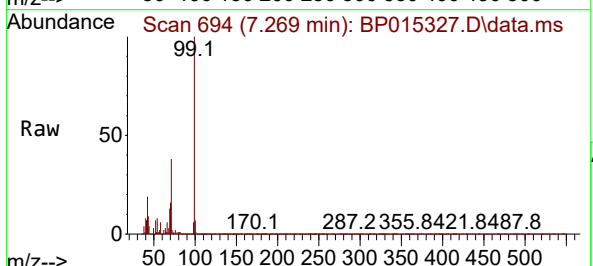
Ion	Ratio	Lower	Upper
99	100		
42	19.0	14.6	22.0
71	37.5	29.4	44.2

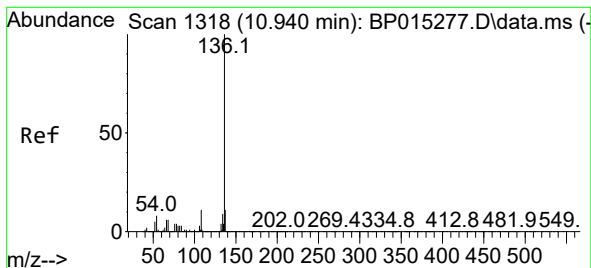


#9
Benzaldehyde
Concen: Below Cal
RT: 7.269 min Scan# 694
Delta R.T. 0.029 min
Lab File: BP015327.D
Acq: 27 May 2023 01:16

Tgt Ion: 77 Resp: 4274

Ion	Ratio	Lower	Upper
77	100		
105	12.4	75.9	115.9#
106	9.7	72.3	112.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.940 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

Instrument :

BNA_P

ClientSampleId :

AU-06-052423

Tgt Ion:136 Resp: 902818

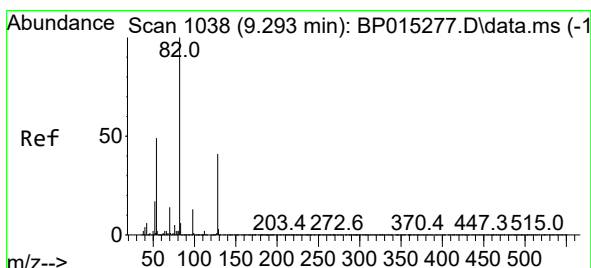
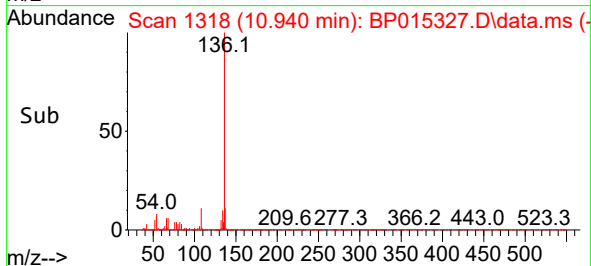
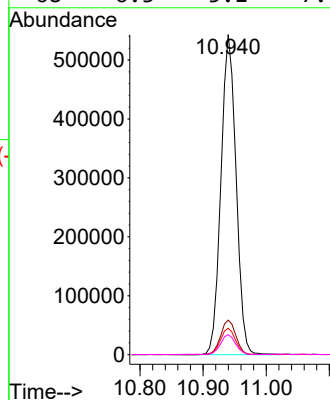
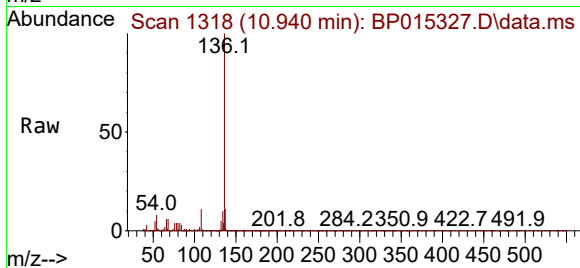
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.3 6.3 9.5

68 6.3 5.1 7.7



#23

Nitrobenzene-d5

Concen: 65.758 ng

RT: 9.287 min Scan# 1037

Delta R.T. -0.006 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

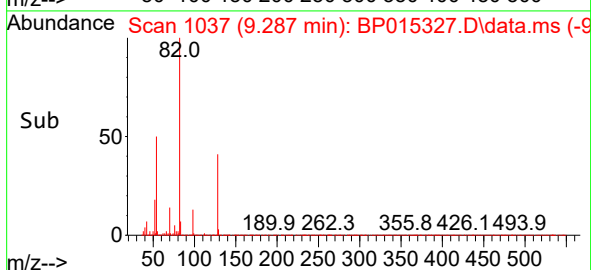
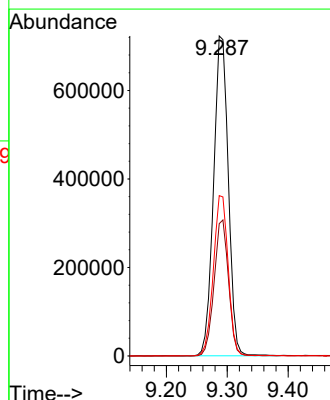
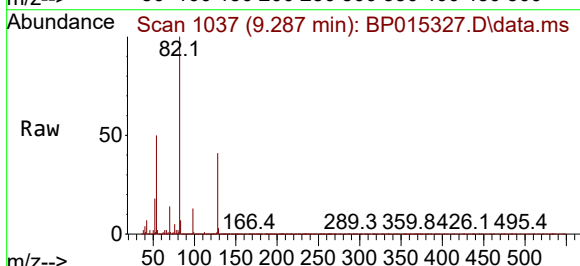
Tgt Ion: 82 Resp: 1215902

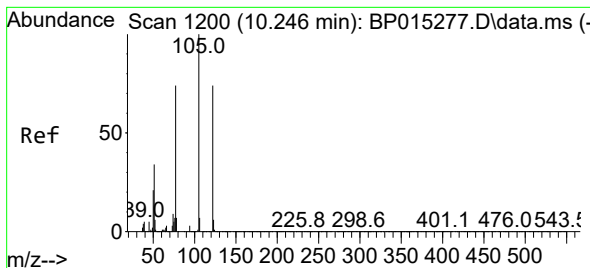
Ion Ratio Lower Upper

82 100

128 41.3 33.0 49.4

54 50.1 39.2 58.8





#32

Benzoic acid

Concen: 6.358 ng

RT: 10.246 min Scan# 11

Delta R.T. -0.000 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

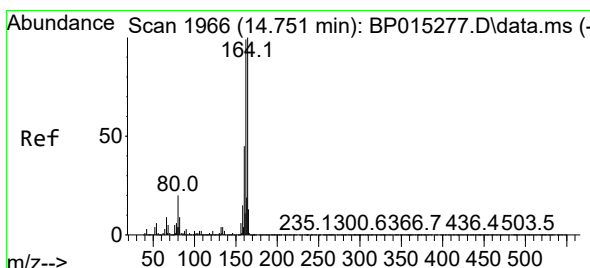
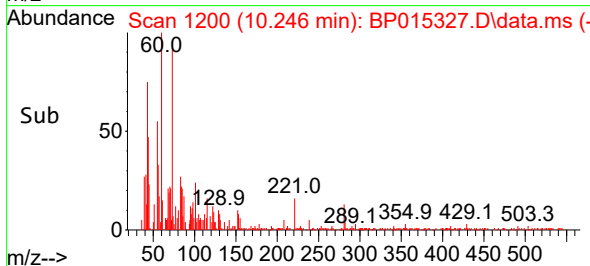
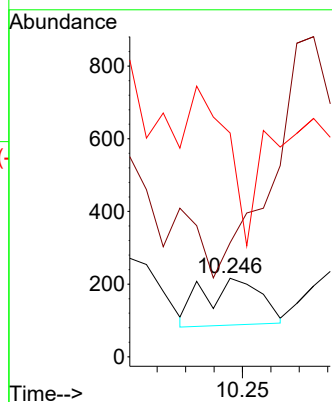
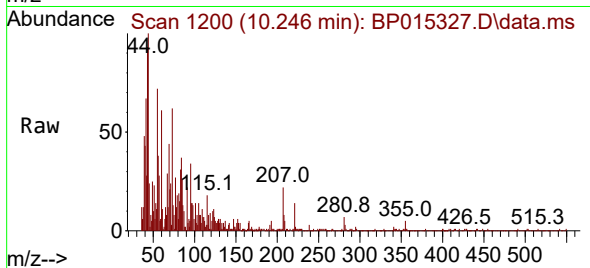
Instrument :

BNA_P

ClientSampleId :

AU-06-052423

Tgt Ion:	122	Resp:	180
Ion	Ratio	Lower	Upper
122	100		
105	145.4	109.5	149.5
77	285.2	78.2	118.2



#39

Acenaphthene-d10

Concen: 20.000 ng

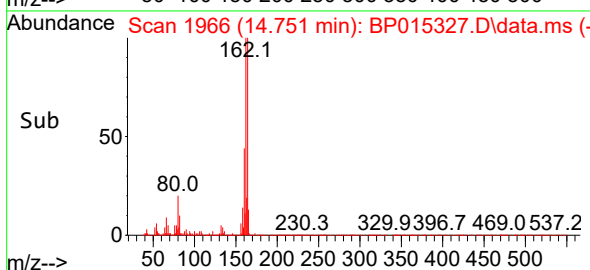
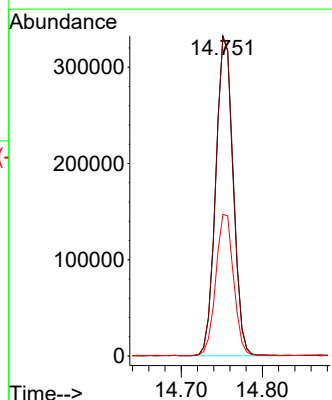
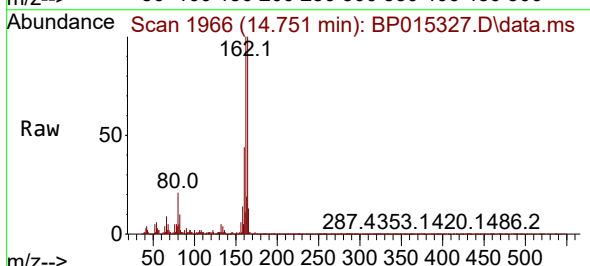
RT: 14.751 min Scan# 1966

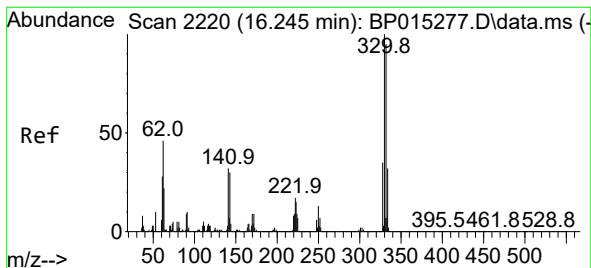
Delta R.T. 0.000 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

Tgt Ion:	164	Resp:	494786
Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.4	119.2
160	44.3	35.6	53.4





#42

2,4,6-Tribromophenol

Concen: 100.935 ng

RT: 16.245 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

Instrument :

BNA_P

ClientSampleId :

AU-06-052423

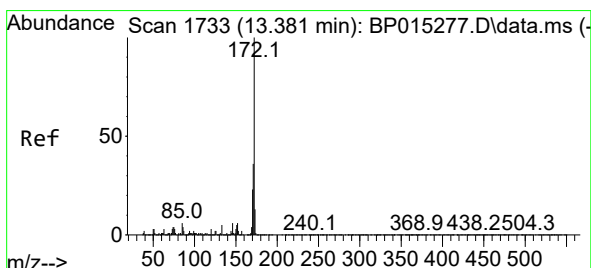
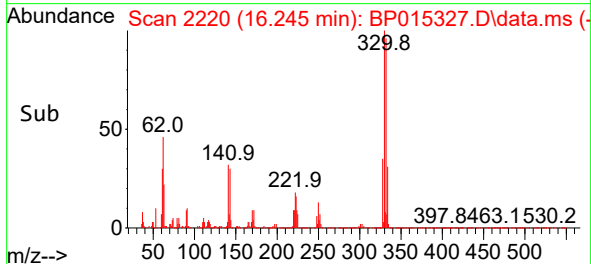
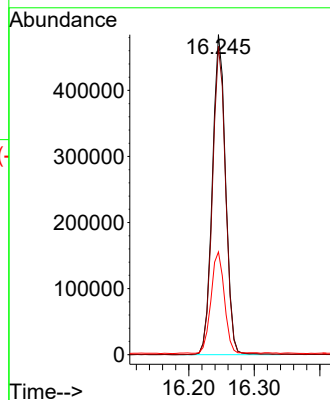
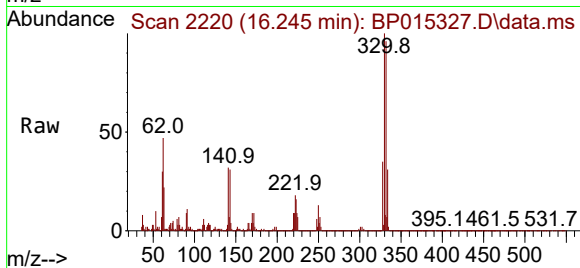
Tgt Ion:330 Resp: 678667

Ion Ratio Lower Upper

330 100

332 95.6 76.3 114.5

141 31.9 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 69.443 ng

RT: 13.381 min Scan# 1733

Delta R.T. 0.000 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

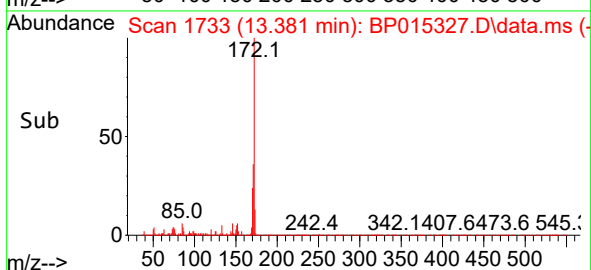
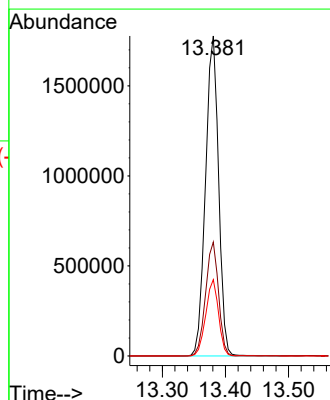
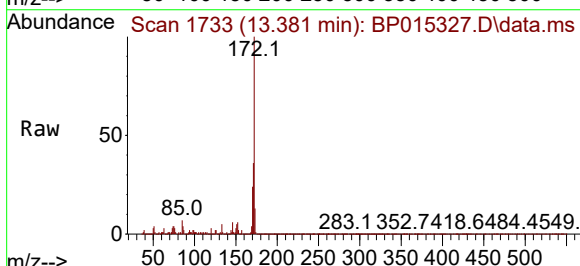
Tgt Ion:172 Resp: 2559259

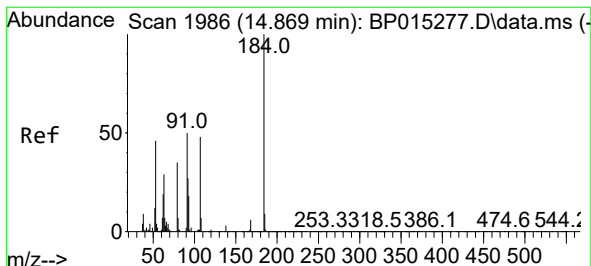
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.9 18.7 28.1





#54

2,4-Dinitrophenol

Concen: 5.211 ng

RT: 14.863 min Scan# 1986

Delta R.T. -0.006 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

Instrument :

BNA_P

ClientSampleId :

AU-06-052423

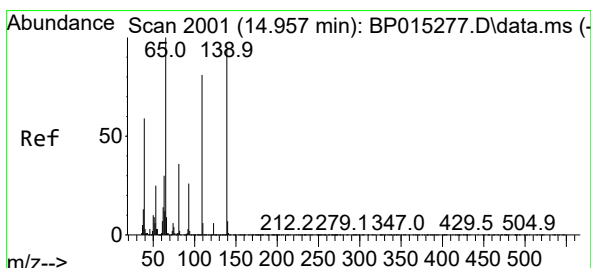
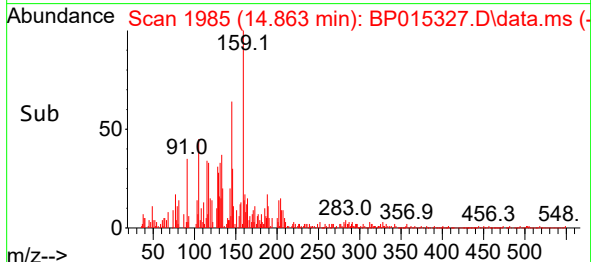
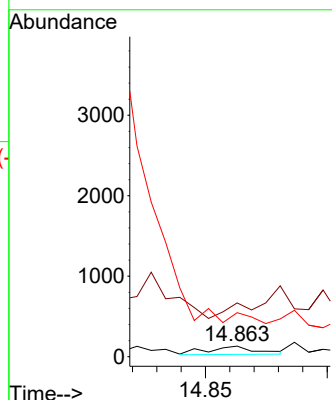
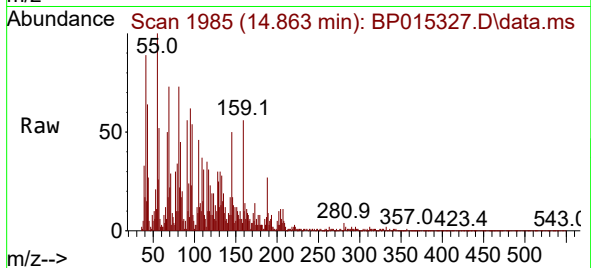
Tgt Ion:184 Resp: 139

Ion Ratio Lower Upper

184 100

63 509.9 56.2 84.4#

154 418.3 53.2 79.8#



#56

4-Nitrophenol

Concen: 3.573 ng

RT: 14.963 min Scan# 2002

Delta R.T. 0.006 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

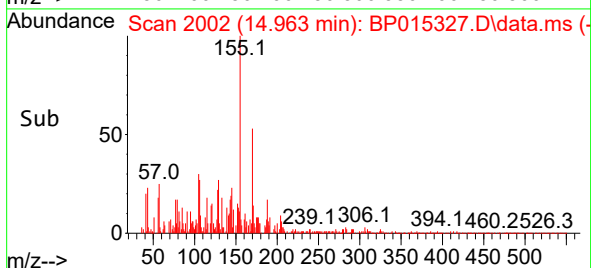
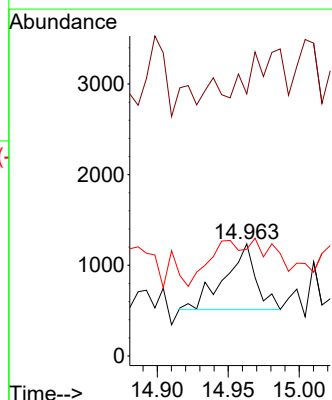
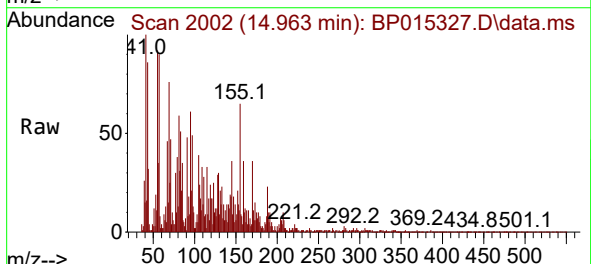
Tgt Ion:139 Resp: 1107

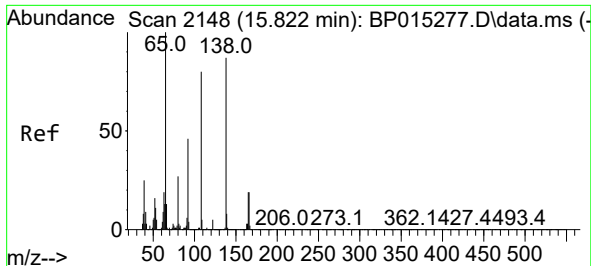
Ion Ratio Lower Upper

139 100

109 233.7 66.5 106.5#

65 95.1 86.6 126.6

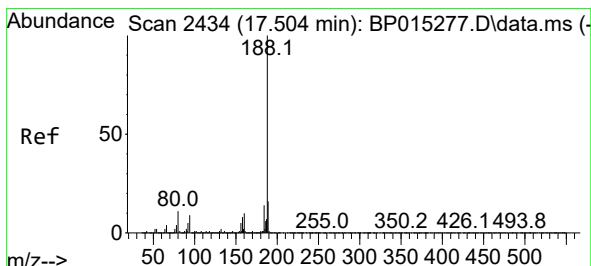
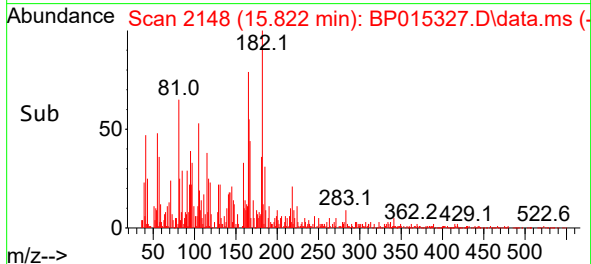
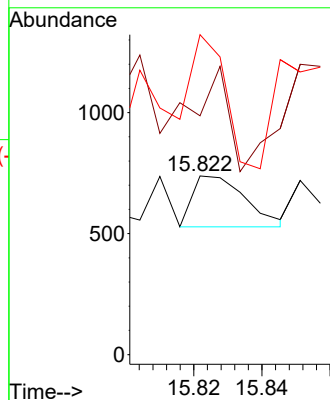
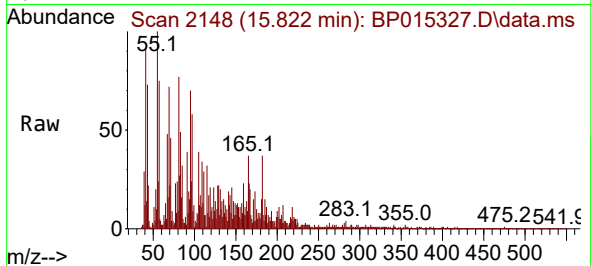




#62
4-Nitroaniline
Concen: 2.329 ng
RT: 15.822 min Scan# 2148
Delta R.T. -0.000 min
Lab File: BP015327.D
Acq: 27 May 2023 01:16

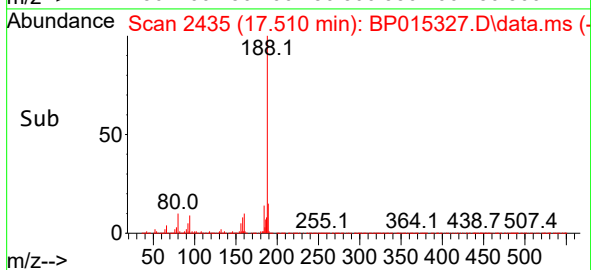
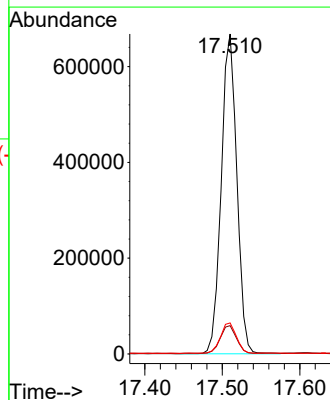
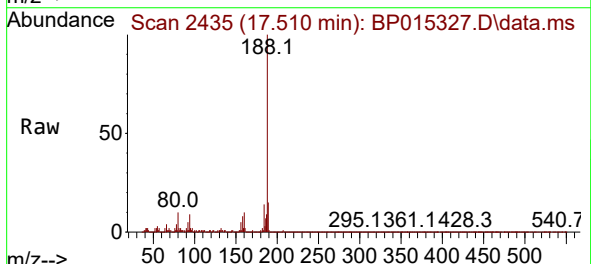
Instrument :
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AU-06-052423

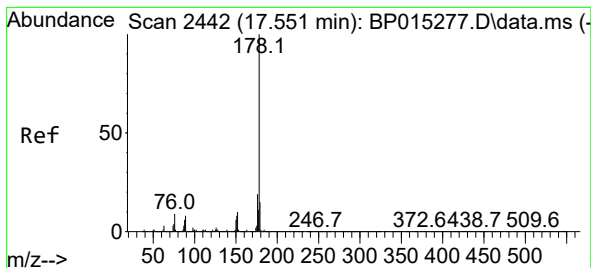
Tgt Ion:138 Resp: 227
Ion Ratio Lower Upper
138 100
92 133.7 33.1 73.1#
108 179.1 71.0 111.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.510 min Scan# 2435
Delta R.T. 0.006 min
Lab File: BP015327.D
Acq: 27 May 2023 01:16

Tgt Ion:188 Resp: 931498
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.0
80 9.7 8.6 13.0





#71

Phenanthrene

Concen: 2.350 ng

RT: 17.551 min Scan# 2442

Delta R.T. 0.000 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

Instrument :

BNA_P

ClientSampleId :

AU-06-052423

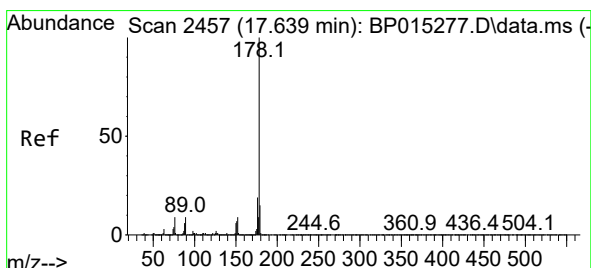
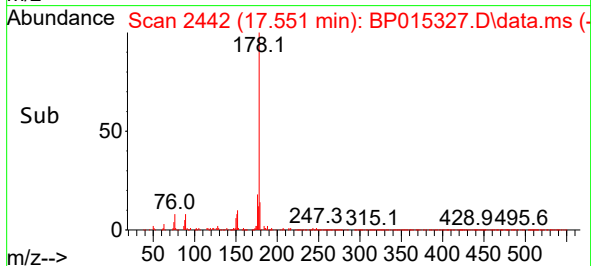
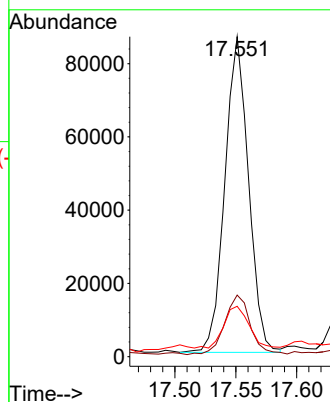
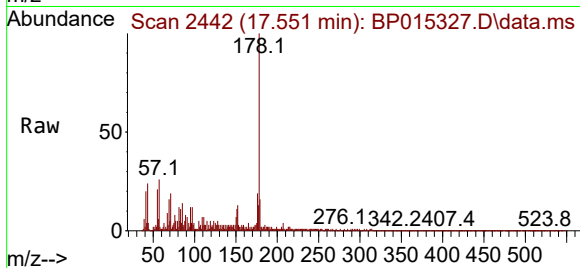
Tgt Ion:178 Resp: 116691

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.8 12.3 18.5



#72

Anthracene

Concen: 2.347 ng

RT: 17.551 min Scan# 2442

Delta R.T. -0.088 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

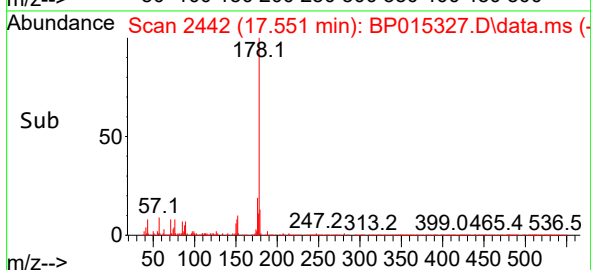
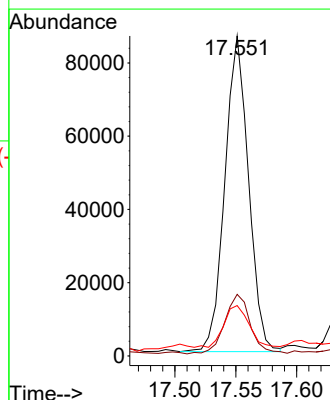
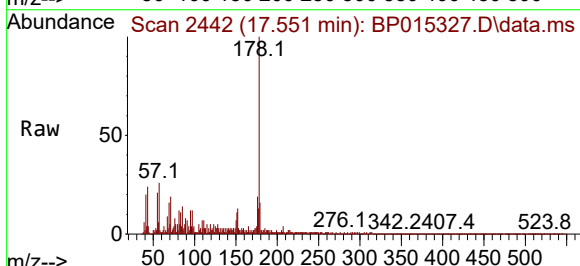
Tgt Ion:178 Resp: 116691

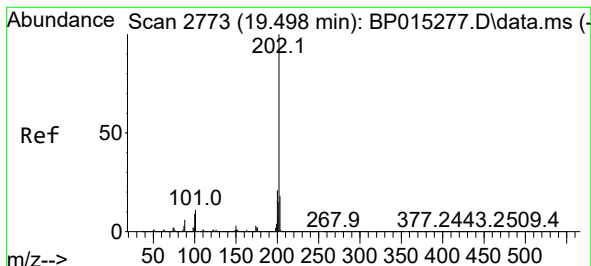
Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

179 15.8 12.2 18.4





#75

Fluoranthene

Concen: 3.291 ng

RT: 19.510 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

Instrument :

BNA_P

ClientSampleId :

AU-06-052423

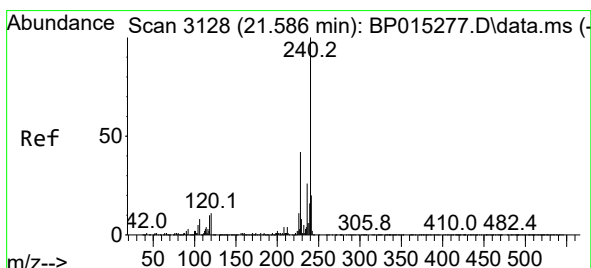
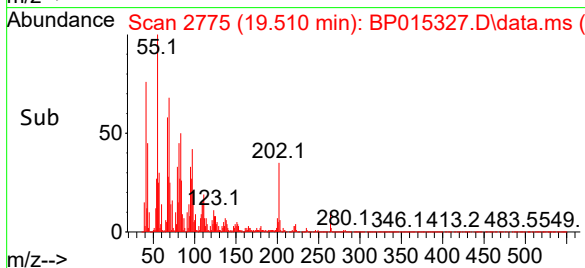
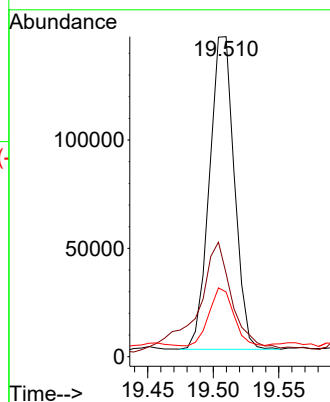
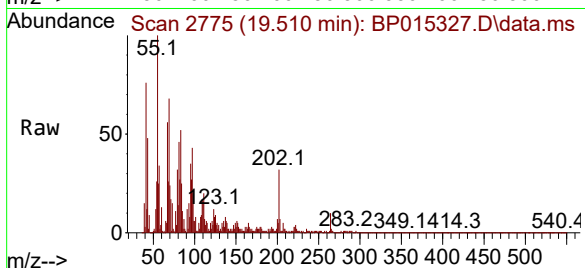
Tgt Ion:202 Resp: 190876

Ion Ratio Lower Upper

202 100

101 26.0 0.0 31.4

203 20.2 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.586 min Scan# 3128

Delta R.T. 0.000 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

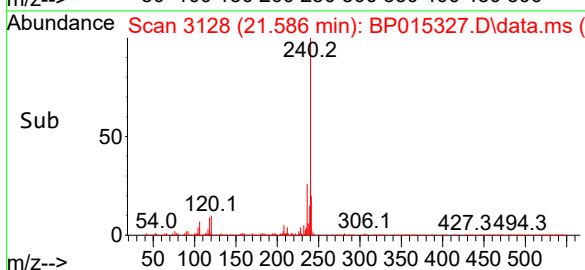
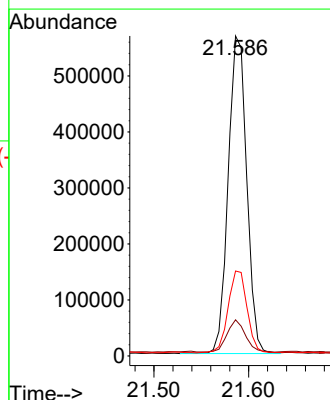
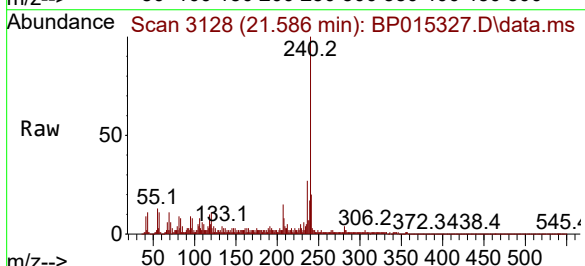
Tgt Ion:240 Resp: 769931

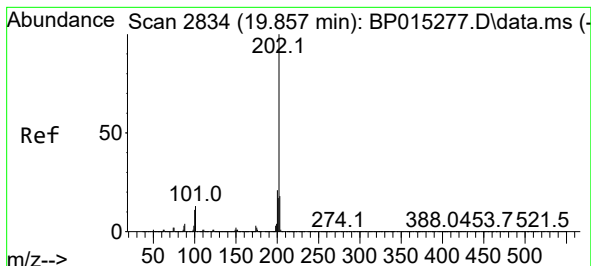
Ion Ratio Lower Upper

240 100

120 11.3 8.8 13.2

236 26.6 20.5 30.7





#78

Pyrene

Concen: 4.287 ng

RT: 19.863 min Scan# 2835

Delta R.T. 0.006 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

Instrument :

BNA_P

ClientSampleId :

AU-06-052423

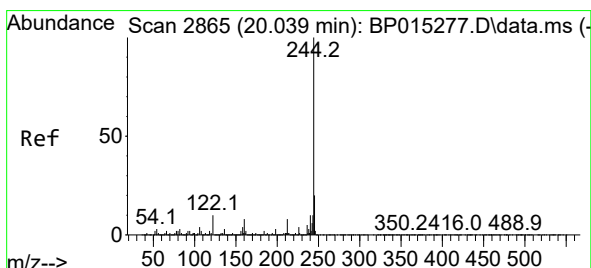
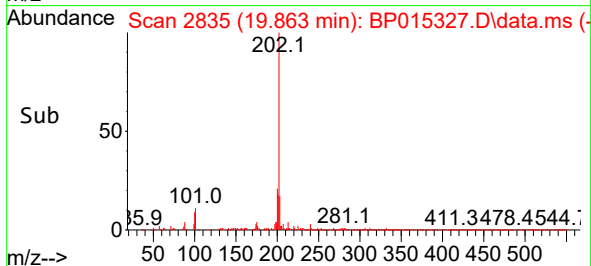
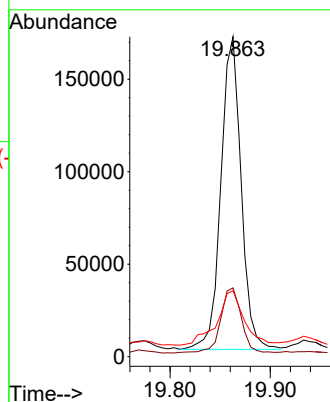
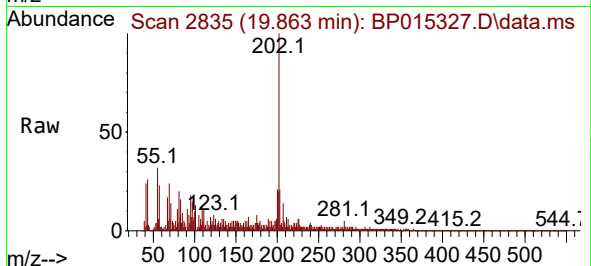
Tgt Ion:202 Resp: 236149

Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 20.6 14.2 21.2



#79

Terphenyl-d14

Concen: 70.599 ng

RT: 20.051 min Scan# 2867

Delta R.T. 0.012 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

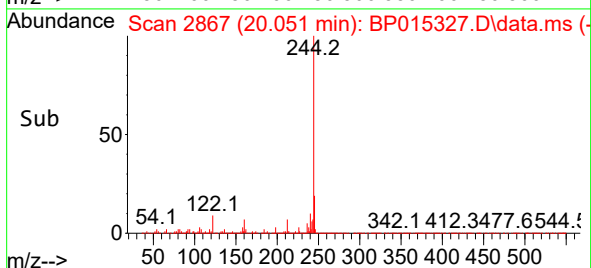
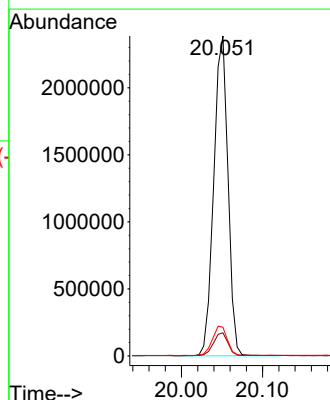
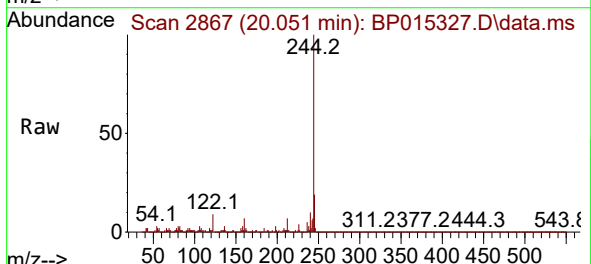
Tgt Ion:244 Resp: 2889832

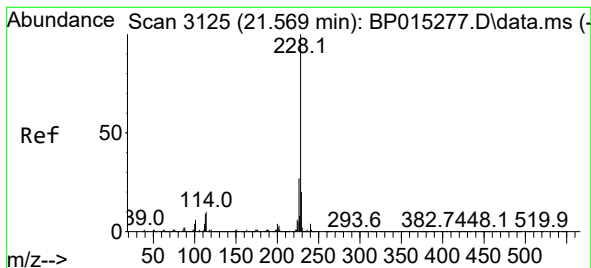
Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 9.0 8.2 12.4





#81

Benzo(a)anthracene

Concen: 2.283 ng

RT: 21.574 min Scan# 3125

Delta R.T. 0.006 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

Instrument :

BNA_P

ClientSampleId :

AU-06-052423

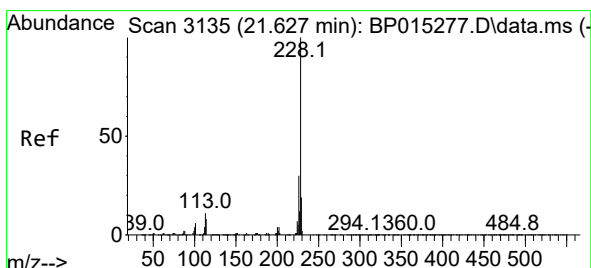
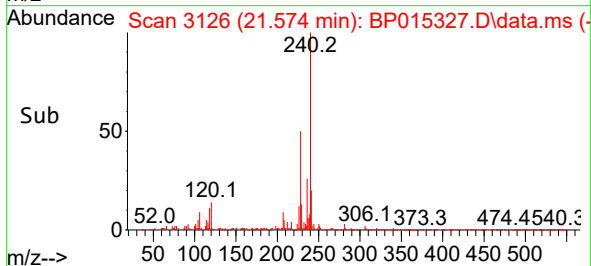
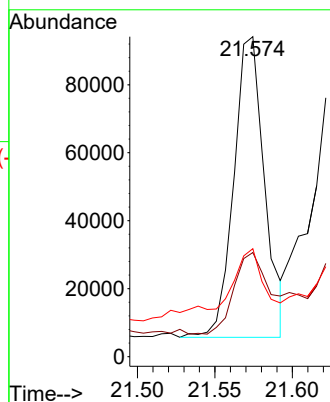
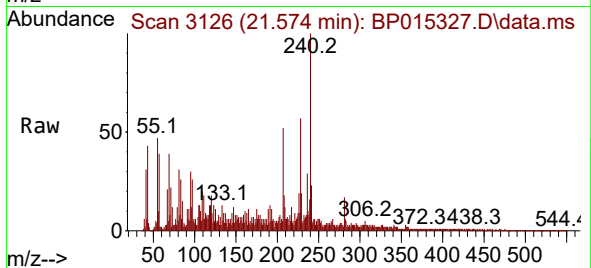
Tgt Ion:228 Resp: 122125

Ion Ratio Lower Upper

228 100

226 32.5 21.7 32.5#

229 33.8 15.8 23.8#



#83

Chrysene

Concen: 2.810 ng

RT: 21.627 min Scan# 3135

Delta R.T. 0.000 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

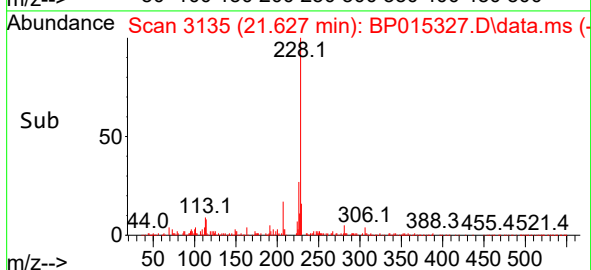
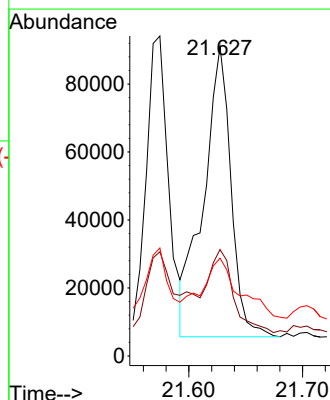
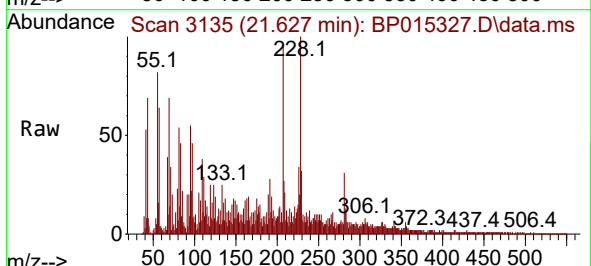
Tgt Ion:228 Resp: 144169

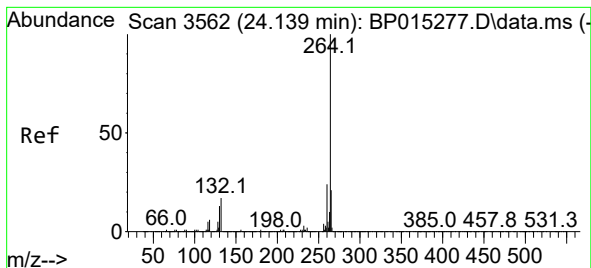
Ion Ratio Lower Upper

228 100

226 34.4 23.8 35.6

229 31.6 15.5 23.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.151 min Scan# 3

Delta R.T. 0.012 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

Instrument :

BNA_P

ClientSampleId :

AU-06-052423

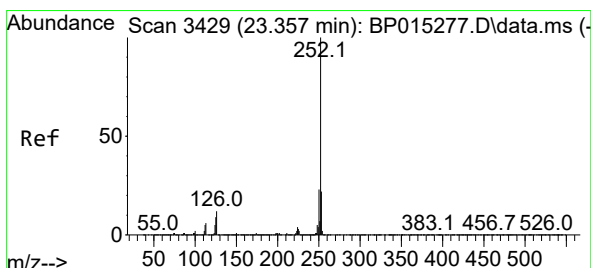
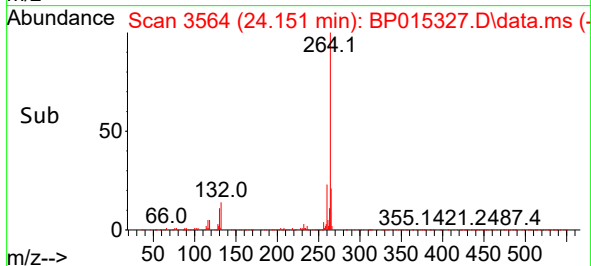
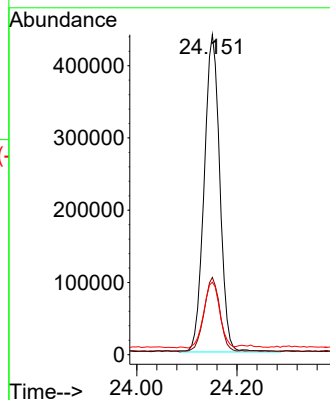
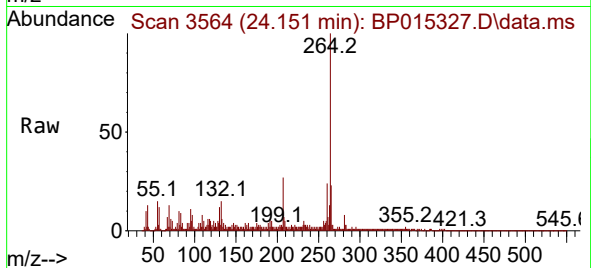
Tgt Ion:264 Resp: 951735

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 22.6 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 3.019 ng

RT: 23.363 min Scan# 3430

Delta R.T. 0.006 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

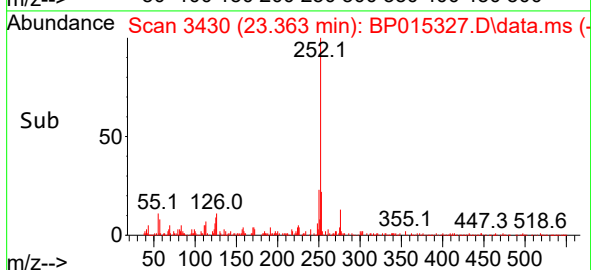
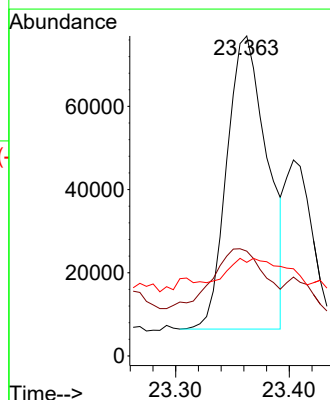
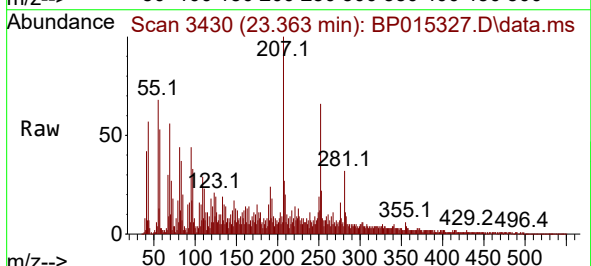
Tgt Ion:252 Resp: 174718

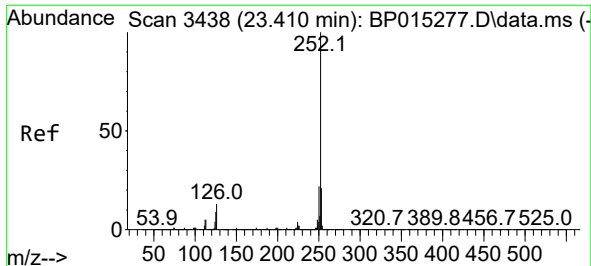
Ion Ratio Lower Upper

252 100

253 32.8 17.4 26.2#

125 29.2 7.2 10.8#

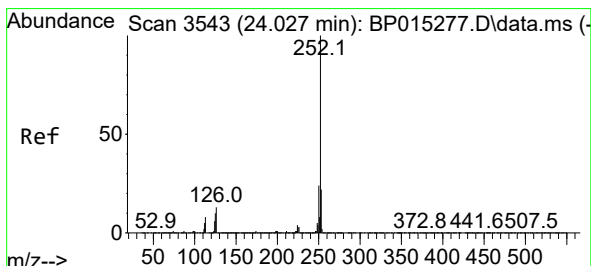
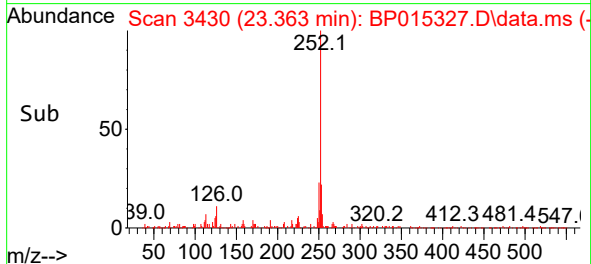
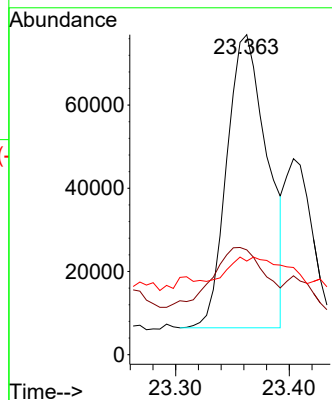
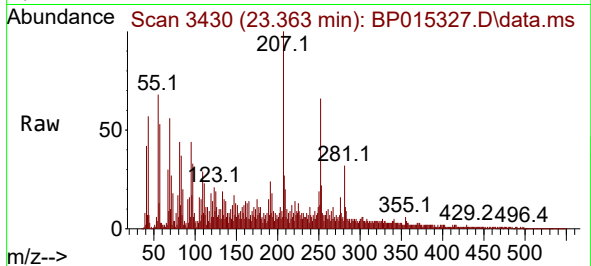




#89
Benzo(k)fluoranthene
Concen: 2.998 ng
RT: 23.363 min Scan# 3438
Delta R.T. -0.047 min
Lab File: BP015327.D
Acq: 27 May 2023 01:16

Instrument :
BNA_P
ClientSampleId :
AU-06-052423

Tgt Ion:252 Resp: 174718
Ion Ratio Lower Upper
252 100
253 32.8 17.0 25.4#
125 29.2 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 2.047 ng
RT: 24.033 min Scan# 3544
Delta R.T. 0.006 min
Lab File: BP015327.D
Acq: 27 May 2023 01:16

Tgt Ion:252 Resp: 114370
Ion Ratio Lower Upper
252 100
253 32.8 17.4 26.2#
125 36.9 8.4 12.6#

