

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)

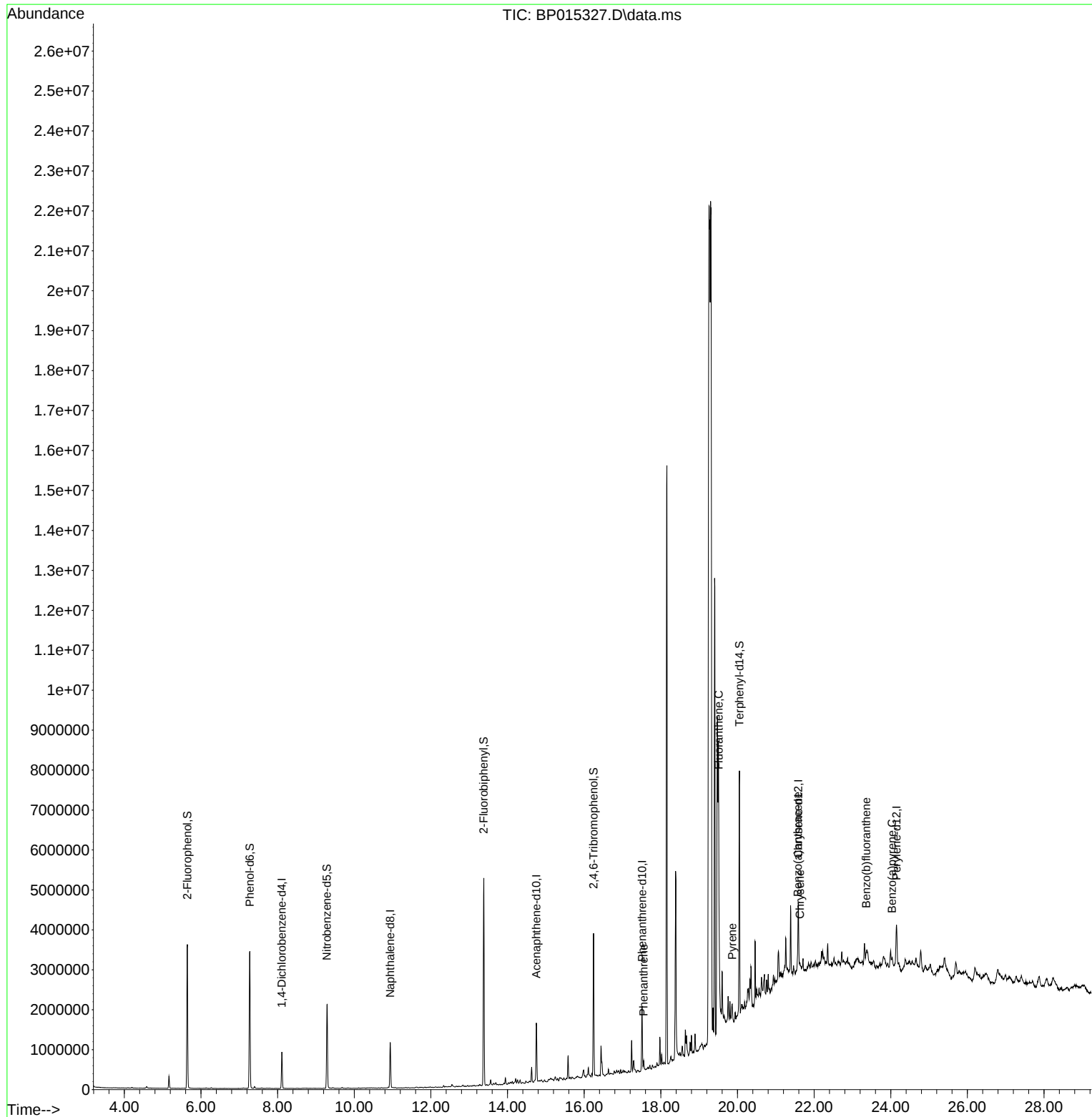
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	231360	20.000	ng	0.00
21) Naphthalene-d8	10.940	136	902818	20.000	ng	0.00
39) Acenaphthene-d10	14.751	164	494786	20.000	ng	0.00
64) Phenanthrene-d10	17.510	188	931498	20.000	ng	0.00
76) Chrysene-d12	21.586	240	769931	20.000	ng	0.00
86) Perylene-d12	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
71) Phenanthrene	17.551	178	116691	2.350	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
90) Benzo(a)pyrene	24.033	252	114370	2.047	ng	# 62

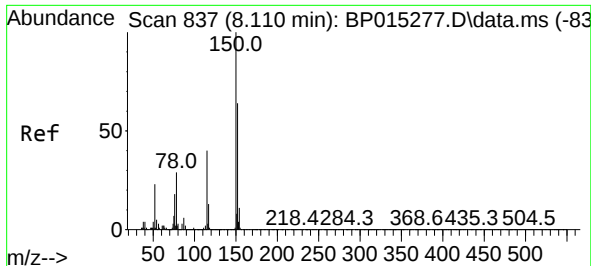
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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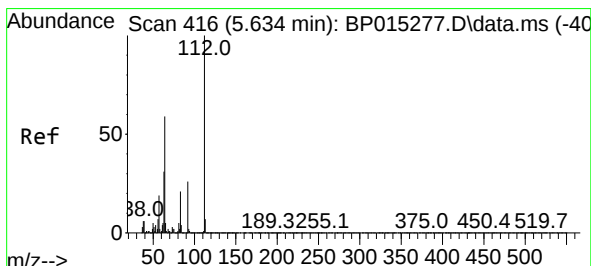
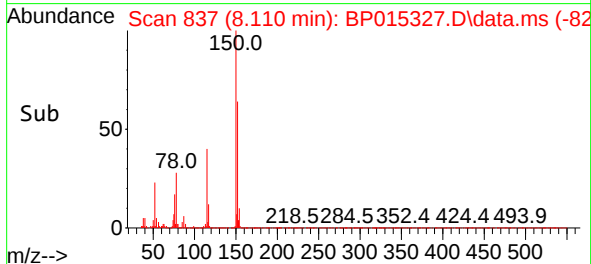
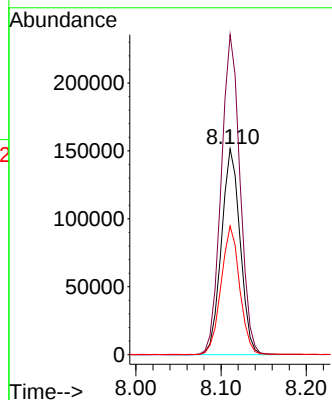
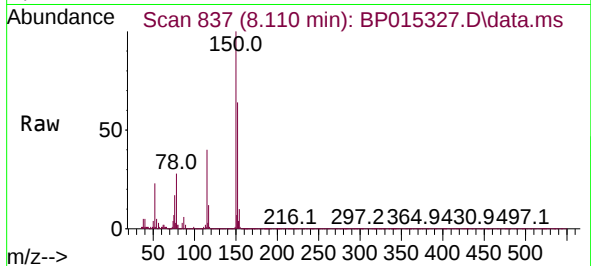




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.110 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BP015327.D
 Acq: 27 May 2023 01:16

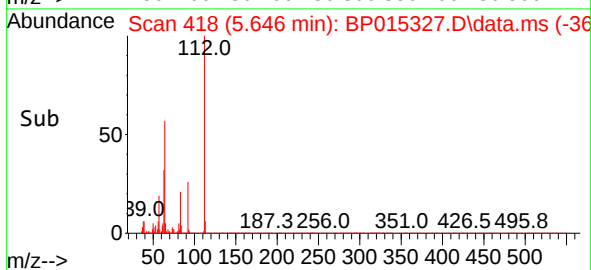
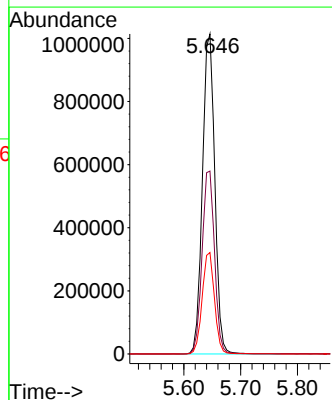
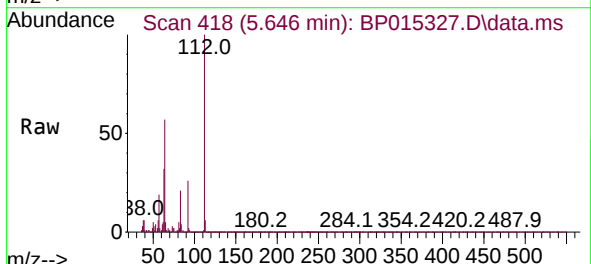
Instrument :
 BNA_P
 ClientSampleId :
 AU-06-052423

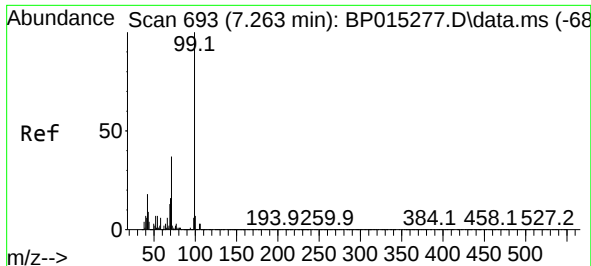
Tgt Ion:152 Resp: 231360
 Ion Ratio Lower Upper
 152 100
 150 155.4 124.2 186.2
 115 62.5 49.1 73.7



#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



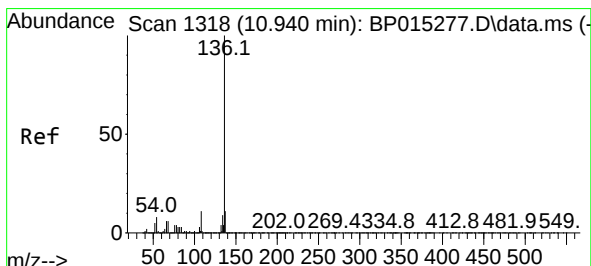
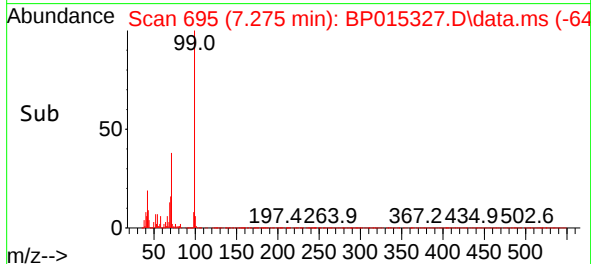
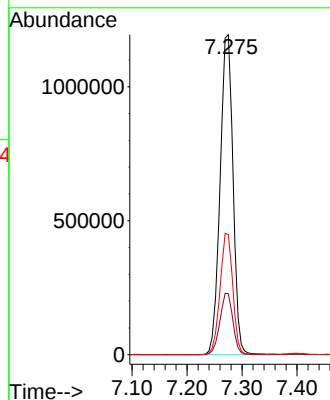
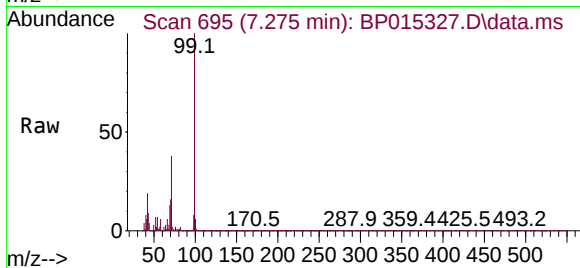


#7
Phenol-d6
Concen: 106.689 ng
RT: 7.275 min Scan# 693
Delta R.T. 0.012 min
Lab File: BP015327.D
Acq: 27 May 2023 01:16

Instrument :
BNA_P
ClientSampleId :
AU-06-052423

Tgt Ion: 99 Resp: 1952148

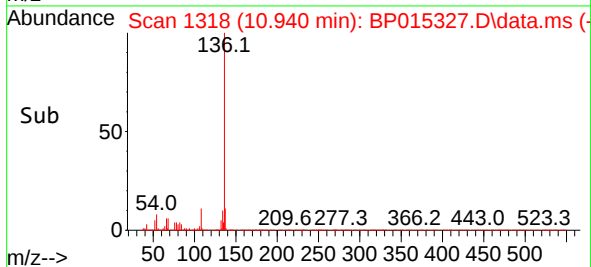
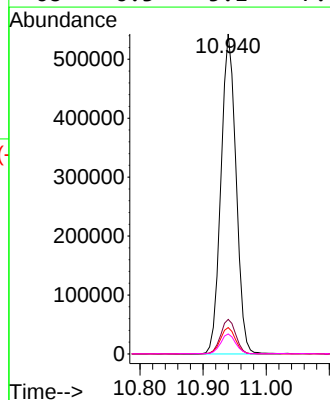
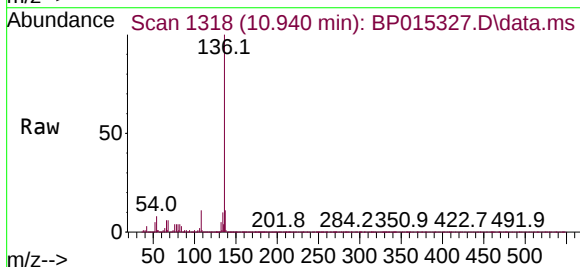
Ion	Ratio	Lower	Upper
99	100		
42	19.0	14.6	22.0
71	37.5	29.4	44.2

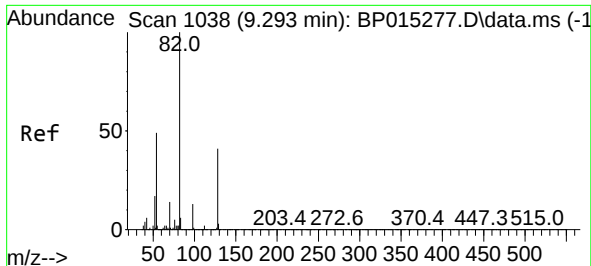


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.940 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BP015327.D
Acq: 27 May 2023 01:16

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

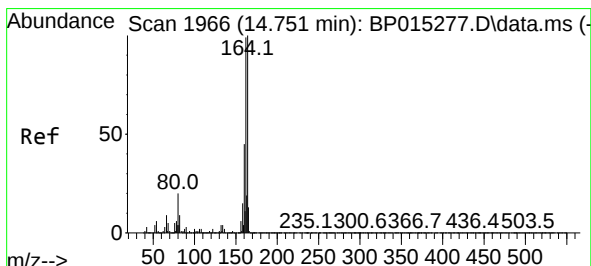
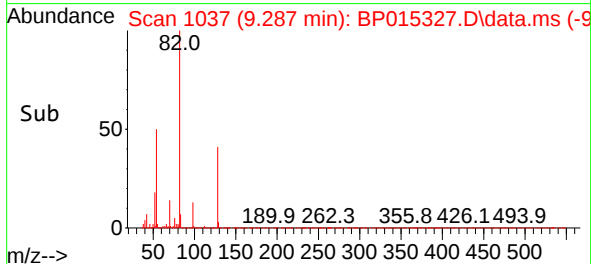
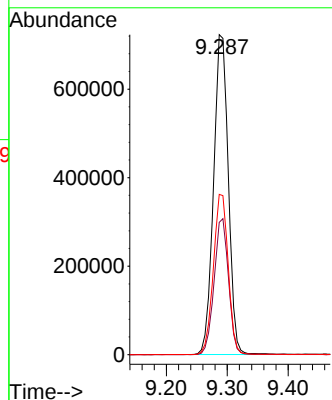
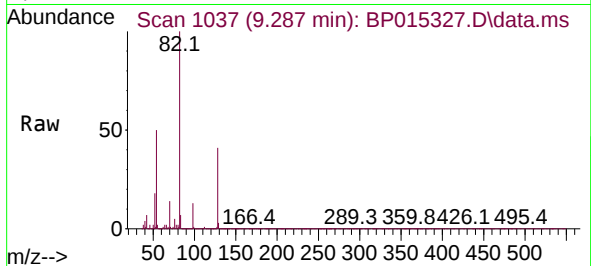




#23
Nitrobenzene-d5
Concen: 65.758 ng
RT: 9.287 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BP015327.D
Acq: 27 May 2023 01:16

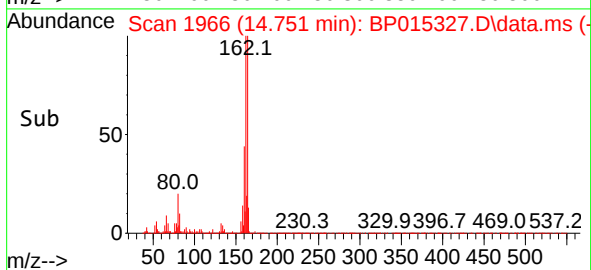
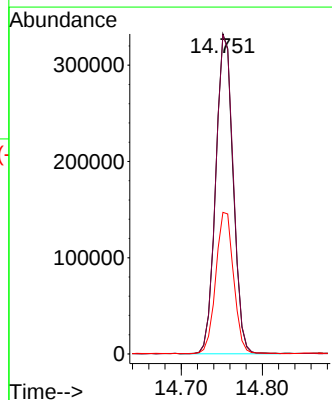
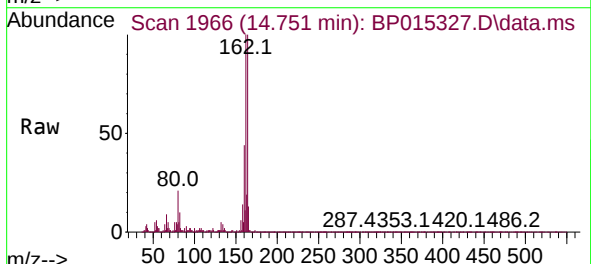
Instrument :
BNA_P
ClientSampleId :
AU-06-052423

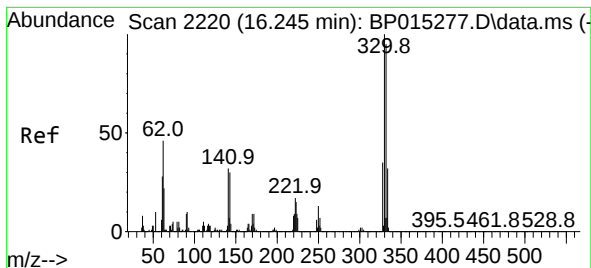
Tgt Ion: 82 Resp: 1215902
Ion Ratio Lower Upper
82 100
128 41.3 33.0 49.4
54 50.1 39.2 58.8



#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

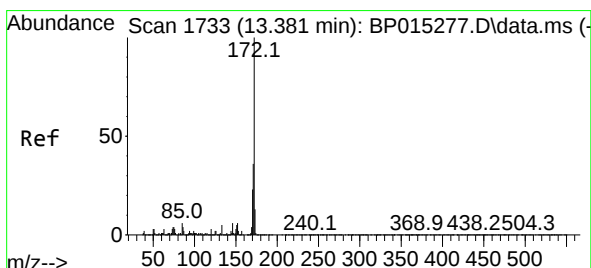
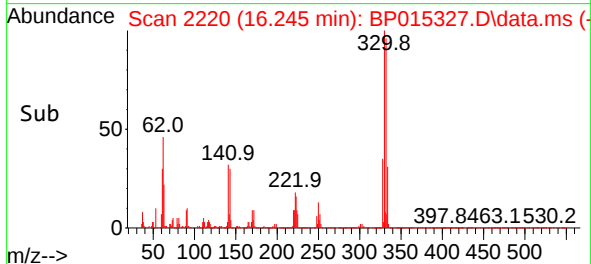
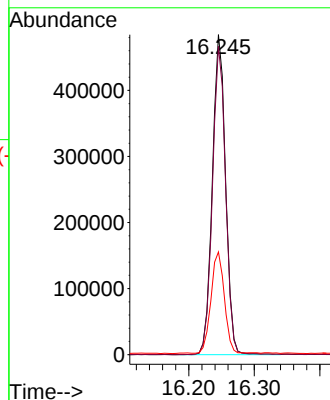
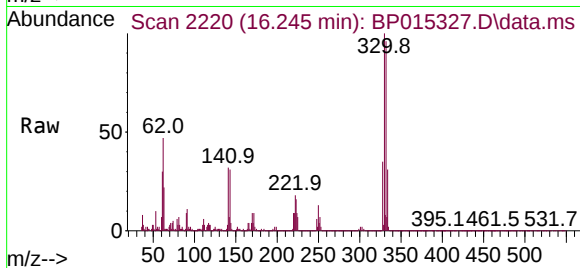
Tgt Ion:330 Resp: 678667

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

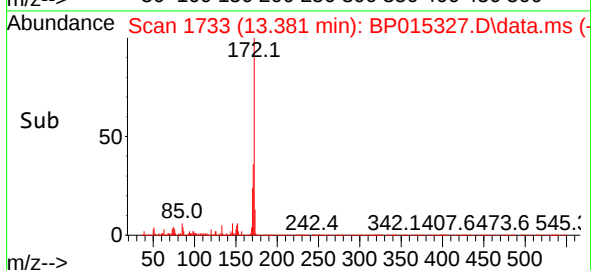
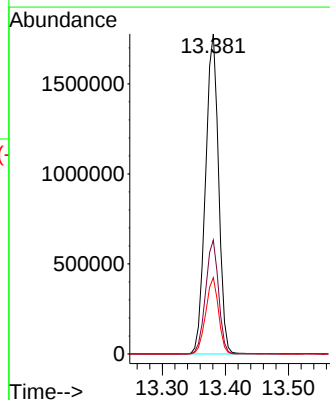
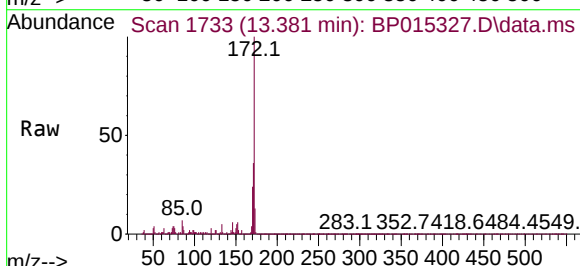
Tgt Ion:172 Resp: 2559259

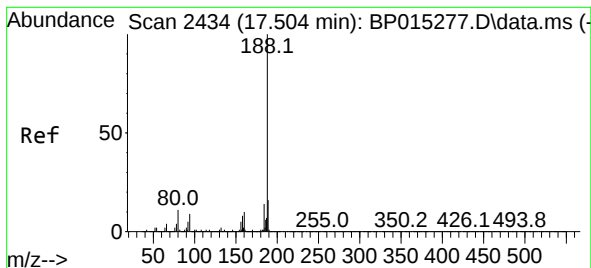
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.9 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.510 min Scan# 2434

Delta R.T. 0.006 min

Lab File: BP015327.D

Acq: 27 May 2023 01:16

Instrument :

BNA_P

ClientSampleId :

AU-06-052423

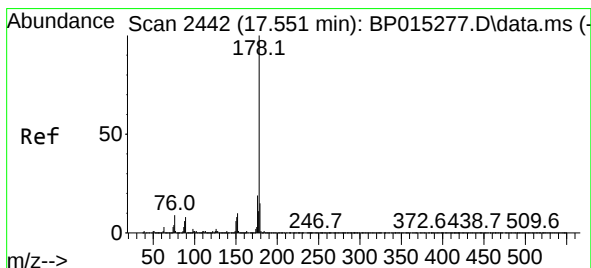
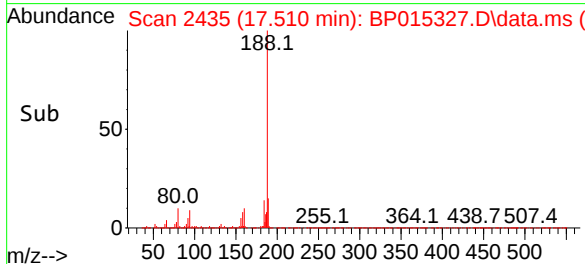
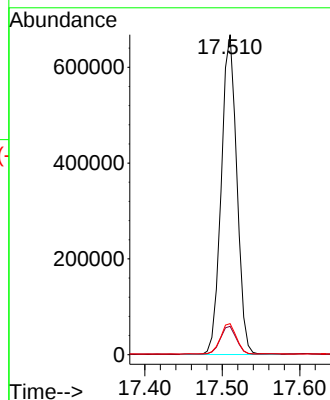
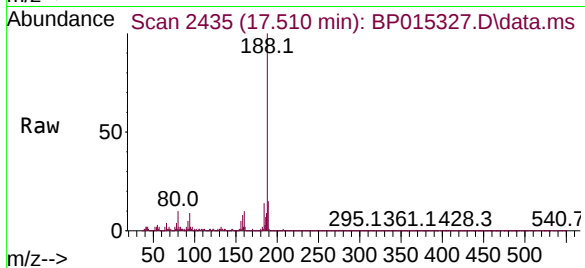
Tgt Ion:188 Resp: 931498

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

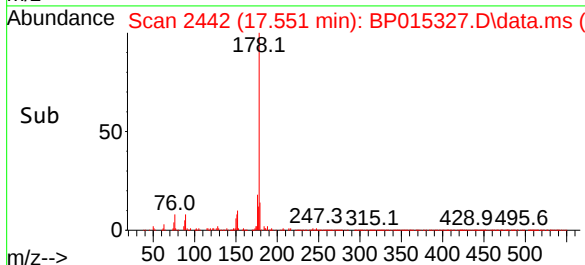
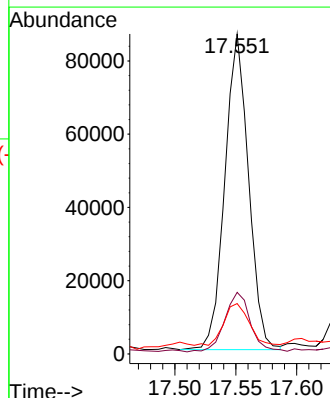
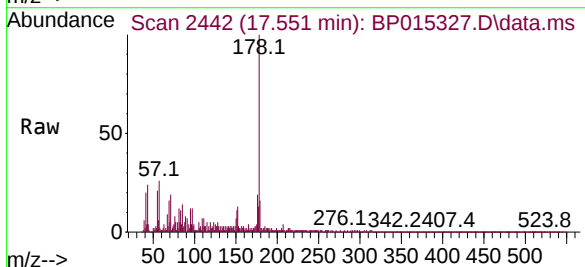
Tgt Ion:178 Resp: 116691

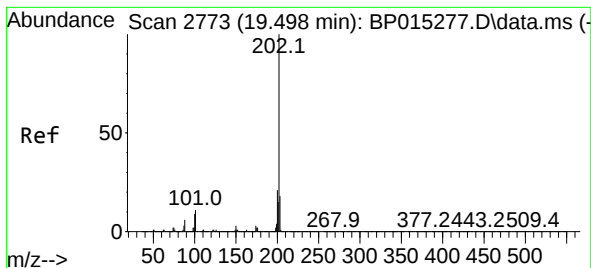
Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.8 12.3 18.5





#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

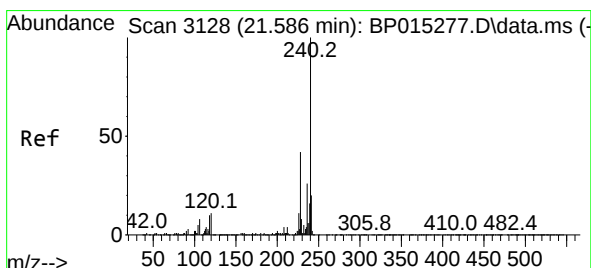
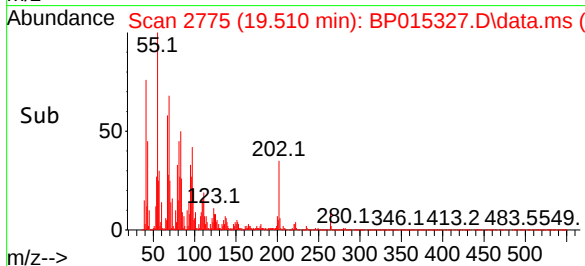
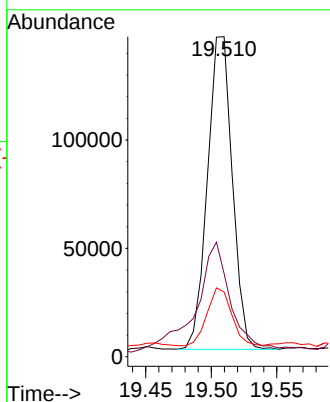
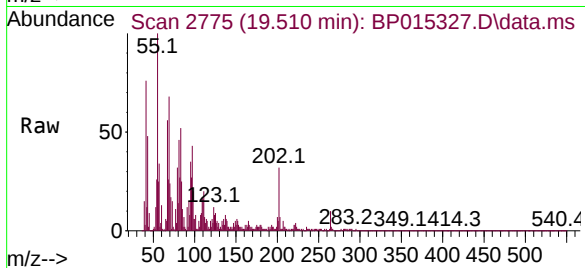
Tgt Ion:202 Resp: 190876

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

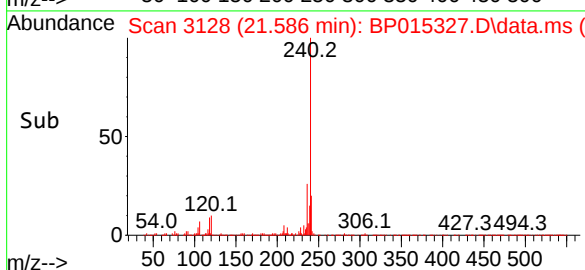
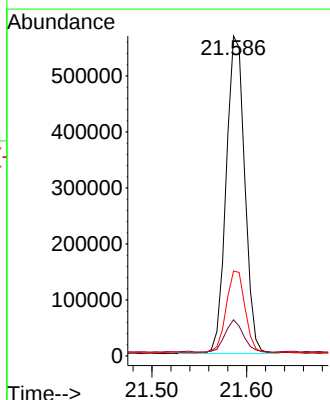
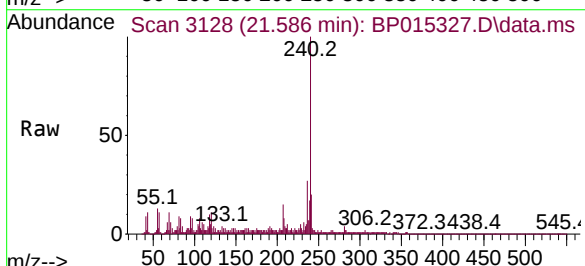
Tgt Ion:240 Resp: 769931

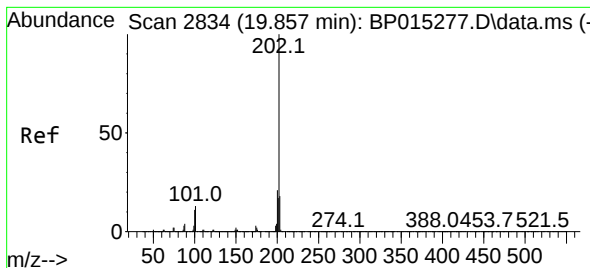
Ion Ratio Lower Upper

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

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AU-06-052423

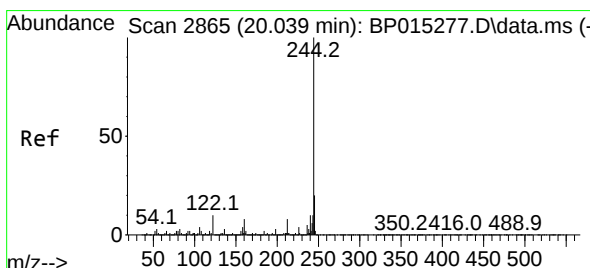
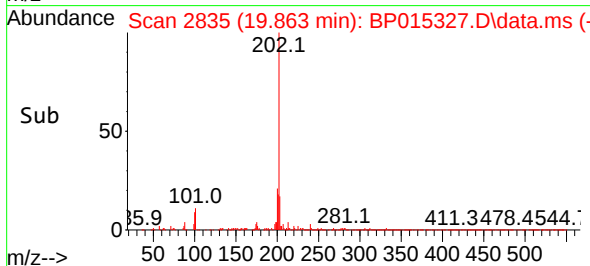
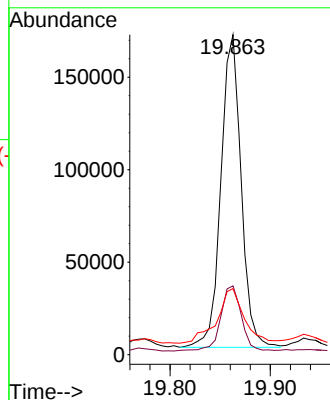
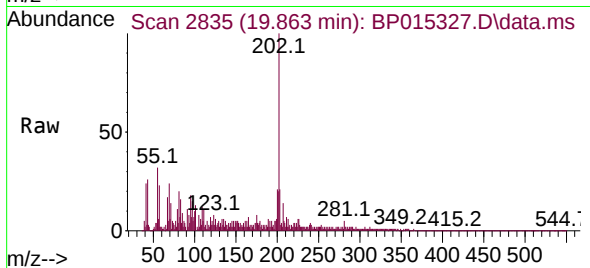
Tgt Ion:202 Resp: 236149

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

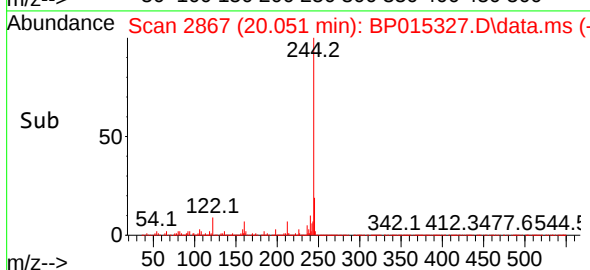
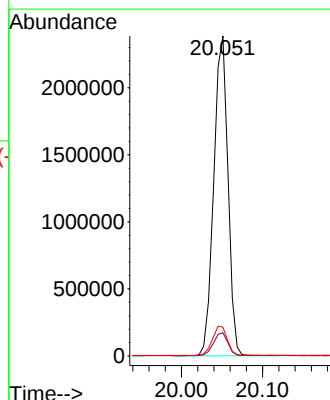
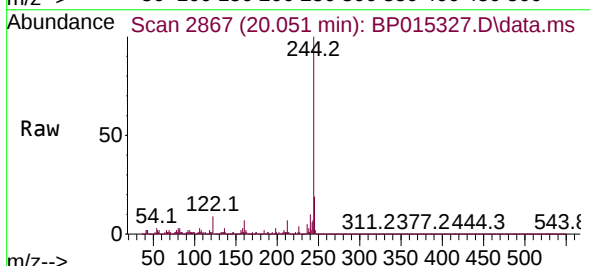
Tgt Ion:244 Resp: 2889832

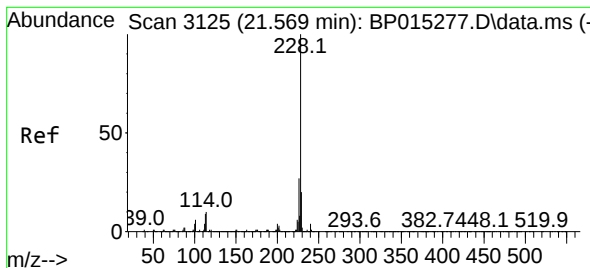
Ion Ratio Lower Upper

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

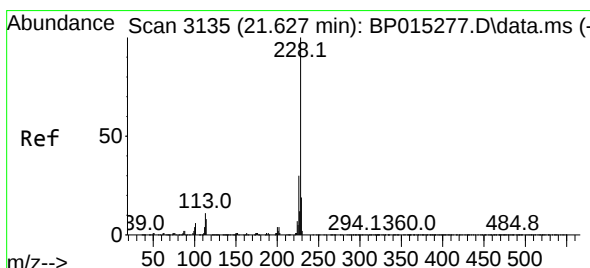
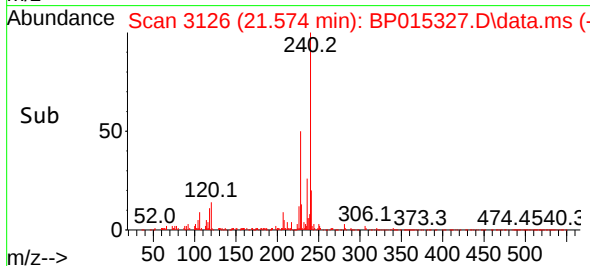
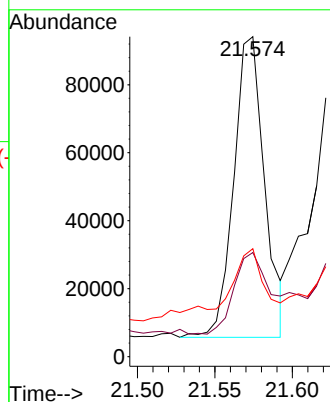
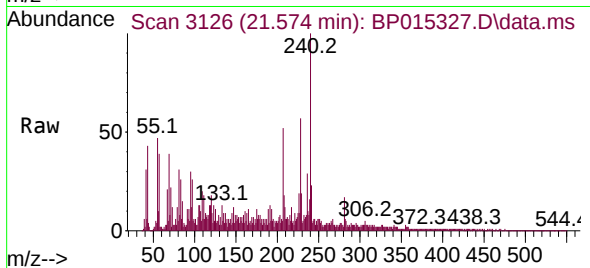
Tgt Ion:228 Resp: 122125

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

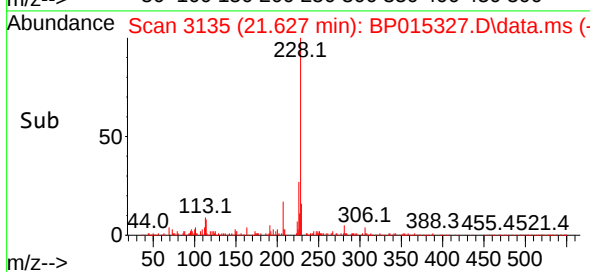
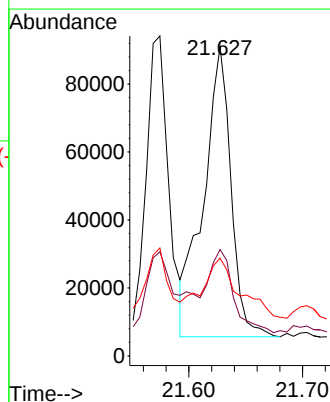
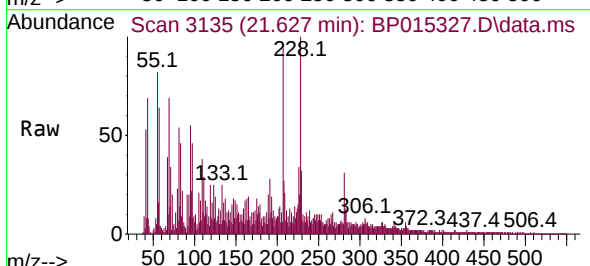
Tgt Ion:228 Resp: 144169

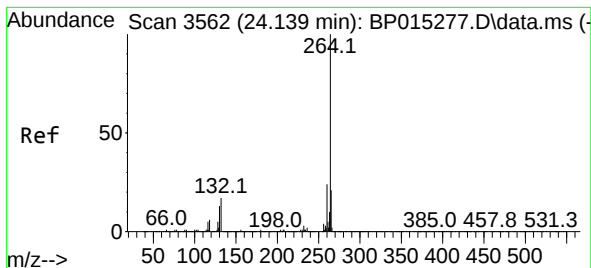
Ion Ratio Lower Upper

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

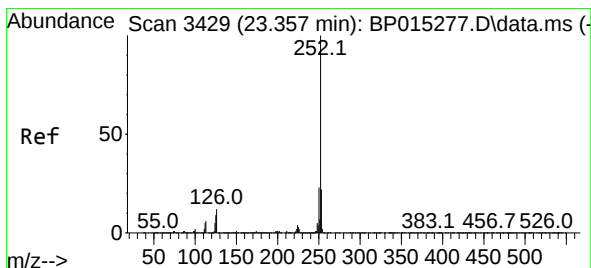
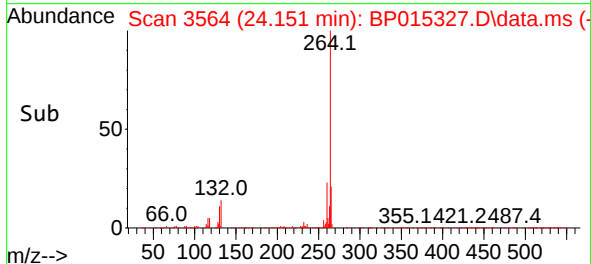
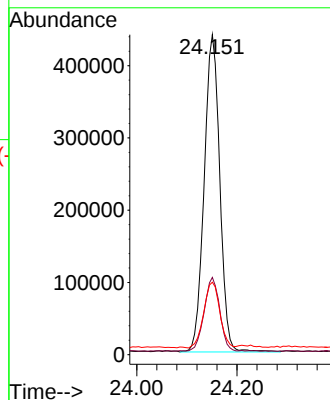
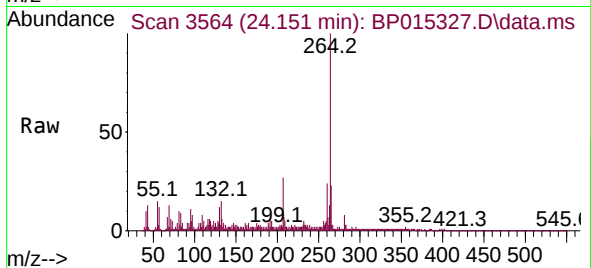
Tgt Ion:264 Resp: 951735

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

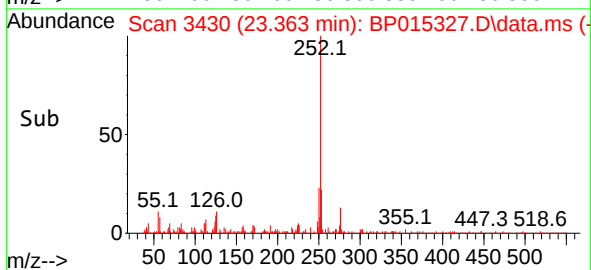
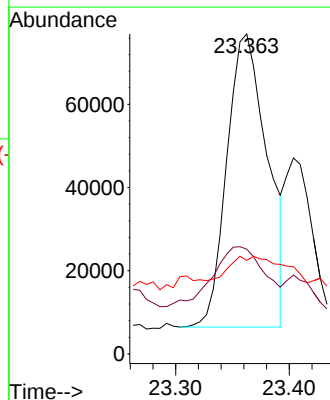
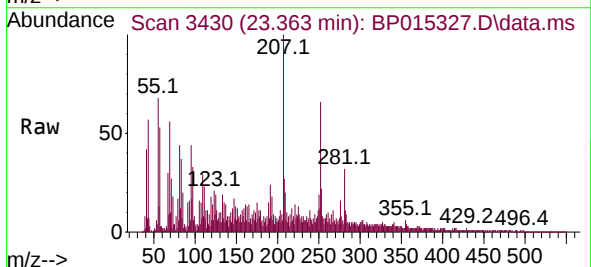
Tgt Ion:252 Resp: 174718

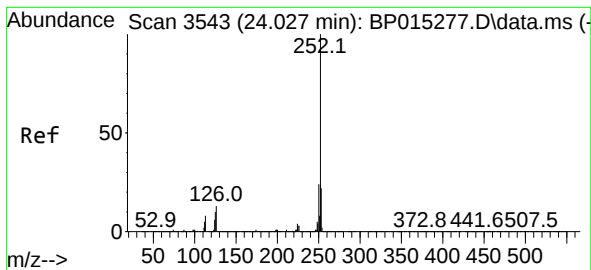
Ion Ratio Lower Upper

252 100

253 32.8 17.4 26.2#

125 29.2 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.047 ng

RT: 24.033 min Scan# 3

Delta R.T. 0.006 min

Lab File: BP015327.D

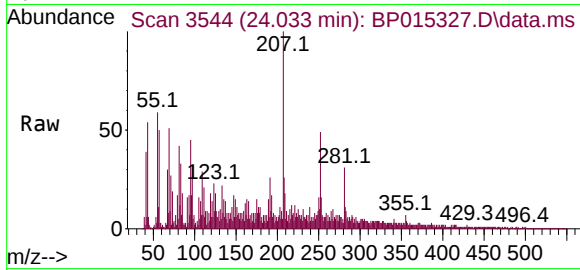
Acq: 27 May 2023 01:16

Instrument :

BNA_P

ClientSampleId :

AU-06-052423



Tgt Ion:252 Resp: 114370

Ion Ratio Lower Upper

252 100

253 32.8 17.4 26.2#

125 36.9 8.4 12.6#

