

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
 Data File : BP014129.D
 Acq On : 17 Mar 2023 19:54
 Operator : CG/JU
 Sample : 01964-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 UNION-2

Quant Time: Mar 18 00:27:29 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)

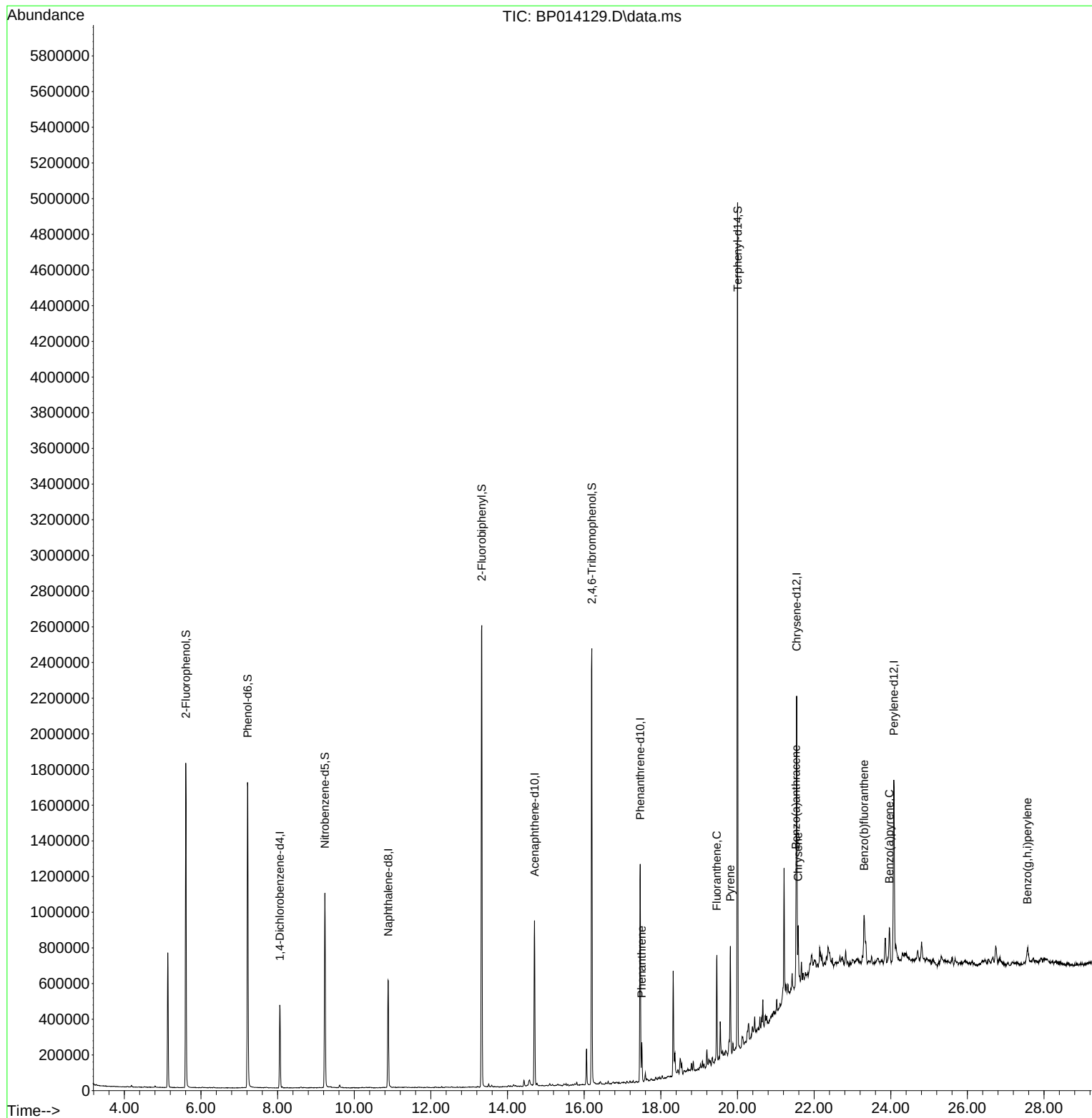
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.058	152	121332	20.000	ng	0.00
21) Naphthalene-d8	10.887	136	493779	20.000	ng	0.00
39) Acenaphthene-d10	14.704	164	312298	20.000	ng	0.00
64) Phenanthrene-d10	17.463	188	713640	20.000	ng	0.00
76) Chrysene-d12	21.545	240	724643	20.000	ng	0.00
86) Perylene-d12	24.080	264	838201	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.605	112	730794	97.679	ng	0.00
7) Phenol-d6	7.216	99	967116	98.457	ng	0.00
23) Nitrobenzene-d5	9.234	82	628246	58.152	ng	0.00
42) 2,4,6-Tribromophenol	16.198	330	489025	96.579	ng	0.00
45) 2-Fluorobiphenyl	13.328	172	1319624	54.745	ng	0.00
79) Terphenyl-d14	20.004	244	2254223	51.296	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.504	178	125150	3.139	ng	99
75) Fluoranthene	19.463	202	337560	7.084	ng	98
78) Pyrene	19.816	202	345834	6.218	ng	99
81) Benzo(a)anthracene	21.527	228	177747	3.343	ng	99
83) Chrysene	21.580	228	194169	3.856	ng	97
88) Benzo(b)fluoranthene	23.304	252	226293	4.123	ng	# 93
90) Benzo(a)pyrene	23.963	252	172776	3.300	ng	99
92) Benzo(g,h,i)perylene	27.568	276	122449	2.295	ng	96

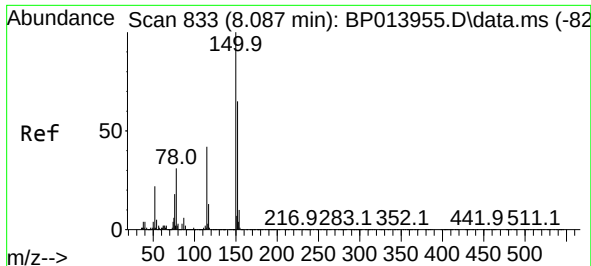
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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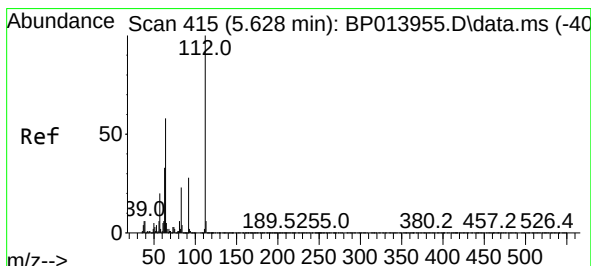
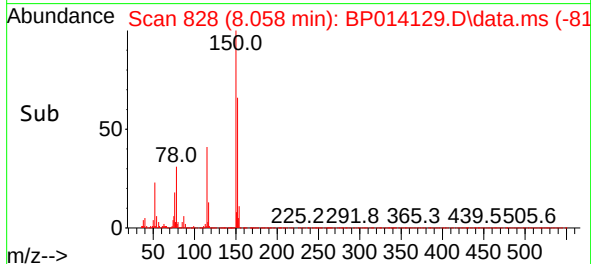
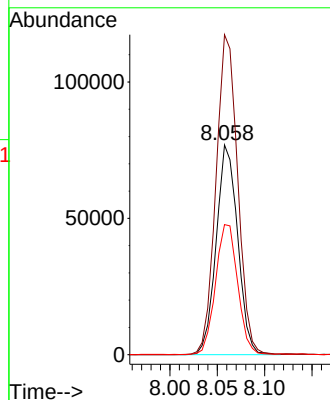
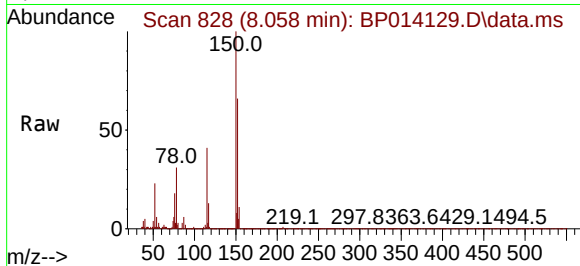




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.058 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

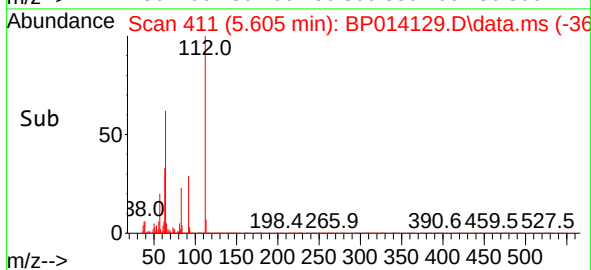
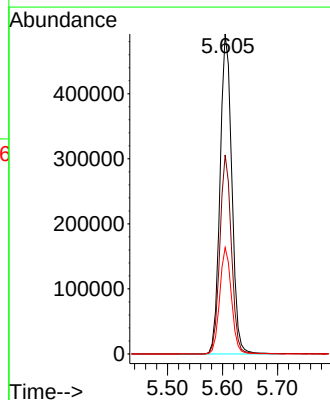
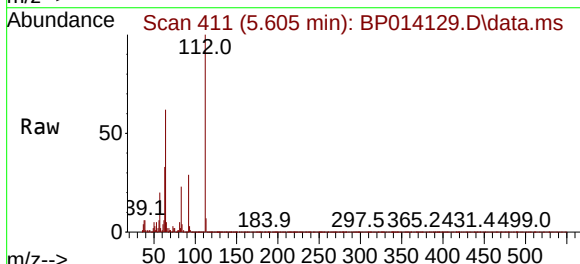
Instrument :
BNA_P
ClientSampleId :
UNION-2

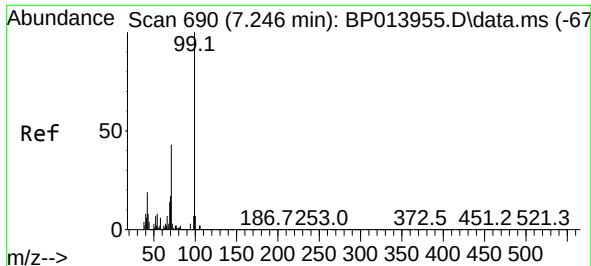
Tgt Ion:152 Resp: 121332
Ion Ratio Lower Upper
152 100
150 152.6 122.3 183.5
115 62.0 51.6 77.4



#5
2-Fluorophenol
Concen: 97.679 ng
RT: 5.605 min Scan# 411
Delta R.T. -0.000 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

Tgt Ion:112 Resp: 730794
Ion Ratio Lower Upper
112 100
64 62.2 46.7 70.1
63 33.2 26.6 40.0

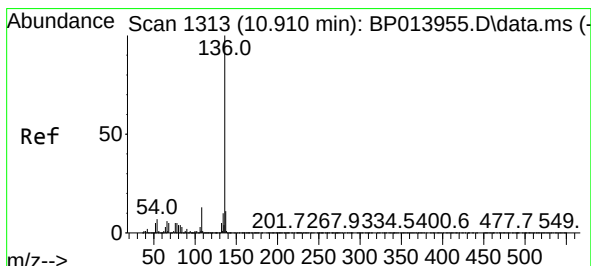
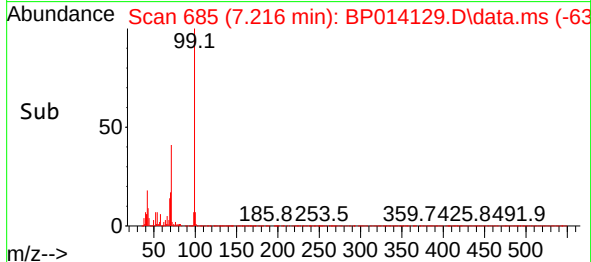
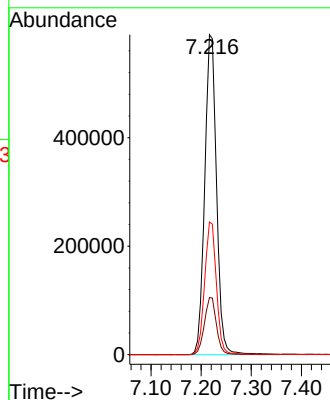
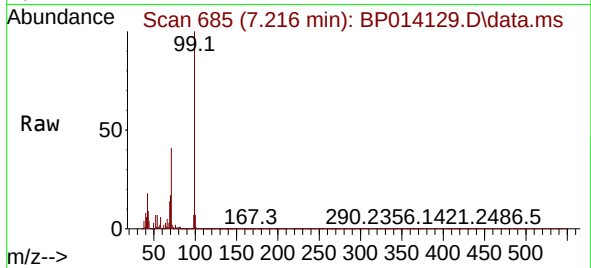




#7
Phenol-d6
Concen: 98.457 ng
RT: 7.216 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

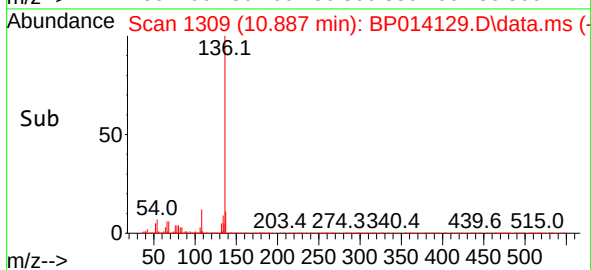
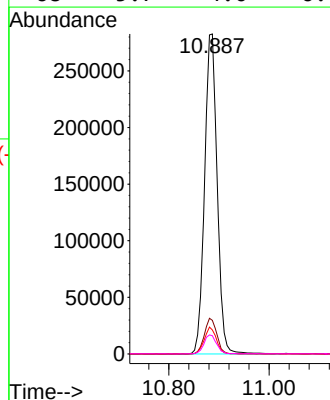
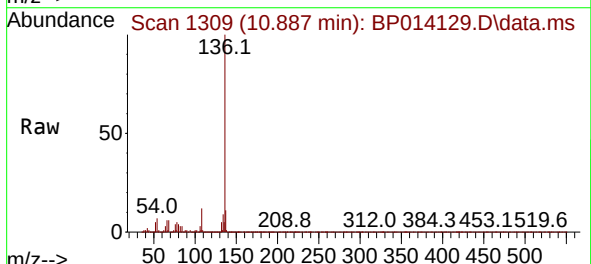
Instrument :
BNA_P
ClientSampleId :
UNION-2

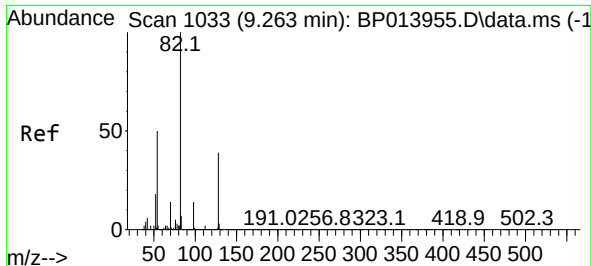
Tgt Ion: 99 Resp: 967116
Ion Ratio Lower Upper
99 100
42 17.9 15.0 22.6
71 41.5 34.3 51.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.887 min Scan# 1309
Delta R.T. -0.000 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

Tgt Ion: 136 Resp: 493779
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 7.5 5.8 8.8
68 5.7 4.0 6.0

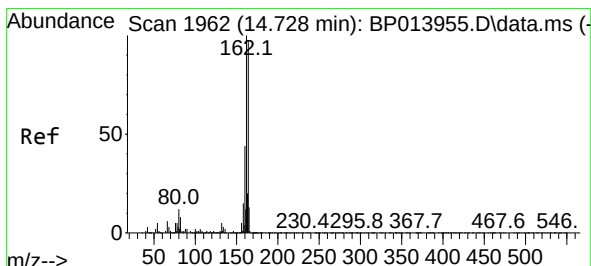
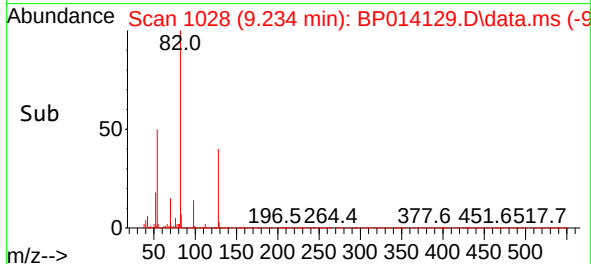
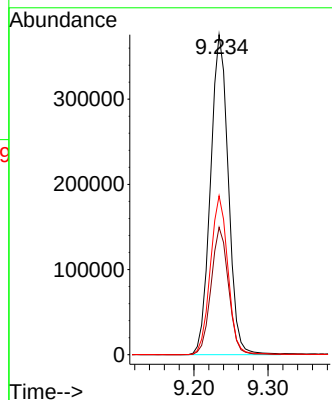
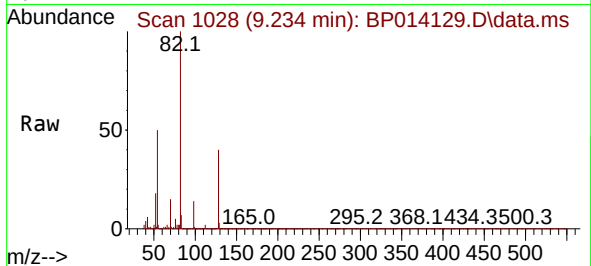




#23
Nitrobenzene-d5
Concen: 58.152 ng
RT: 9.234 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

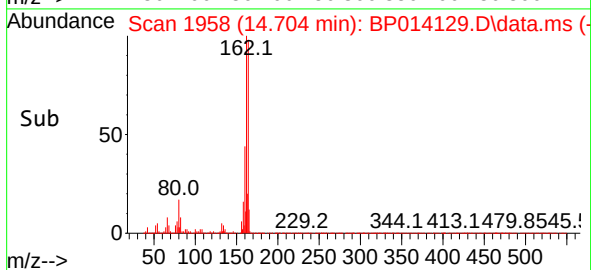
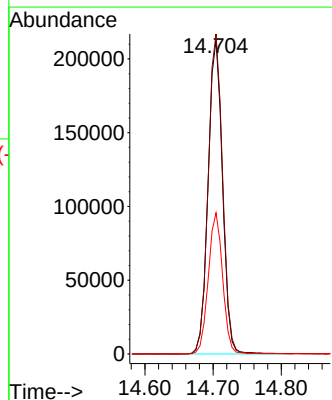
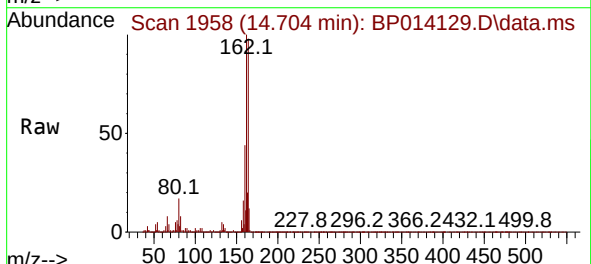
Instrument :
BNA_P
ClientSampleId :
UNION-2

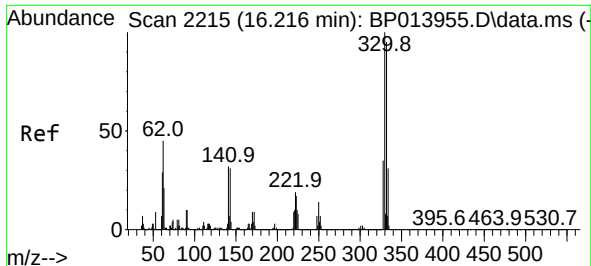
Tgt Ion: 82 Resp: 628246
Ion Ratio Lower Upper
82 100
128 39.8 31.1 46.7
54 49.7 40.0 60.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.704 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

Tgt Ion: 164 Resp: 312298
Ion Ratio Lower Upper
164 100
162 102.0 82.1 123.1
160 44.9 36.2 54.2



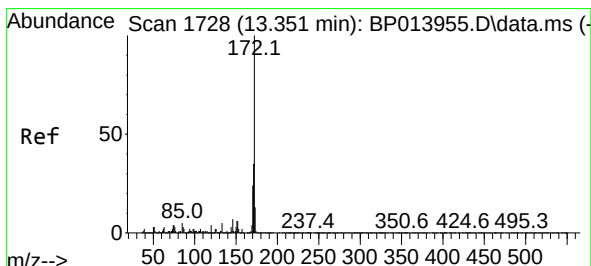
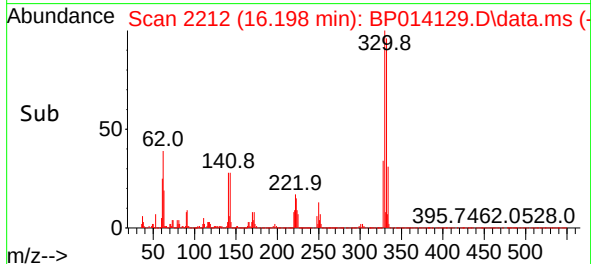
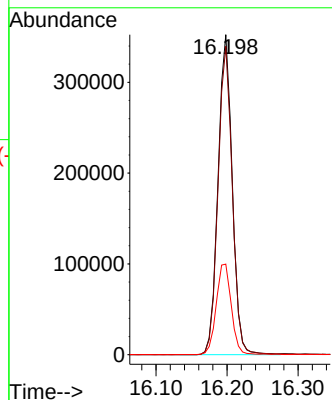
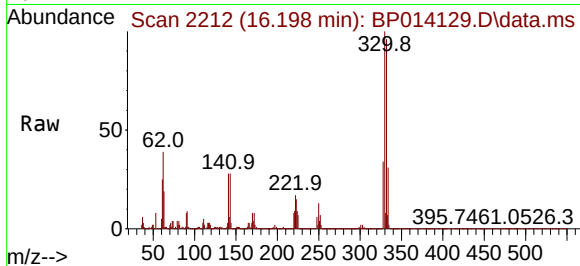


#42
 2,4,6-Tribromophenol
 Concen: 96.579 ng
 RT: 16.198 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP014129.D
 Acq: 17 Mar 2023 19:54

Instrument :
 BNA_P
 ClientSampleId :
 UNION-2

Tgt Ion: 330 Resp: 489025

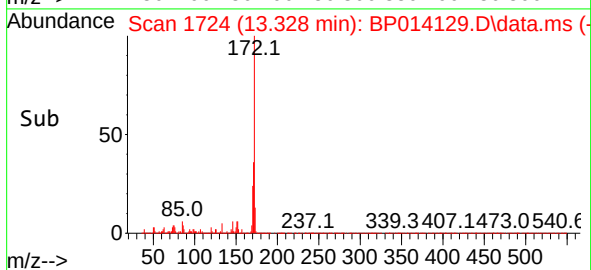
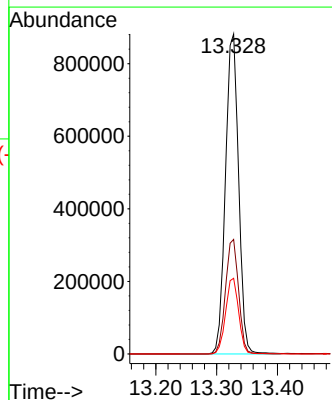
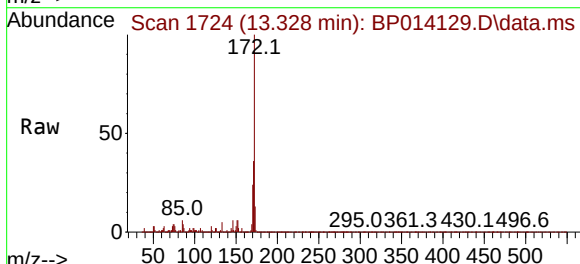
Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.1	115.7
141	30.0	25.6	38.4

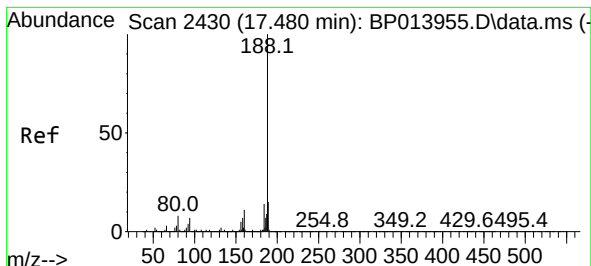


#45
 2-Fluorobiphenyl
 Concen: 54.745 ng
 RT: 13.328 min Scan# 1724
 Delta R.T. -0.006 min
 Lab File: BP014129.D
 Acq: 17 Mar 2023 19:54

Tgt Ion: 172 Resp: 1319624

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.3	42.5
170	23.6	19.0	28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.463 min Scan# 2430

Delta R.T. -0.006 min

Lab File: BP014129.D

Acq: 17 Mar 2023 19:54

Instrument :

BNA_P

ClientSampleId :

UNION-2

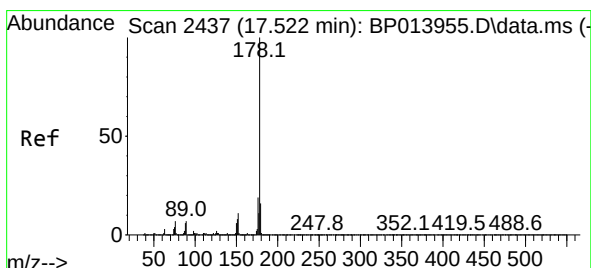
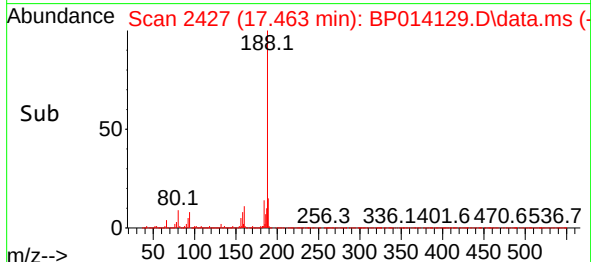
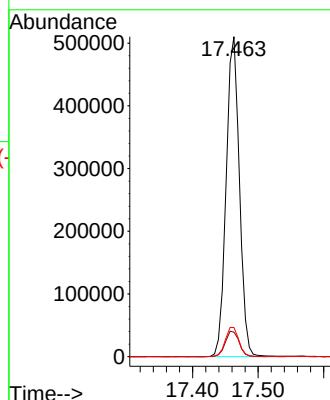
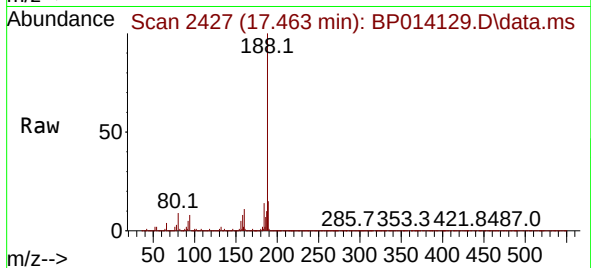
Tgt Ion:188 Resp: 713640

Ion Ratio Lower Upper

188 100

94 7.7 5.8 8.6

80 9.1 6.6 9.8



#71

Phenanthrene

Concen: 3.139 ng

RT: 17.504 min Scan# 2434

Delta R.T. -0.006 min

Lab File: BP014129.D

Acq: 17 Mar 2023 19:54

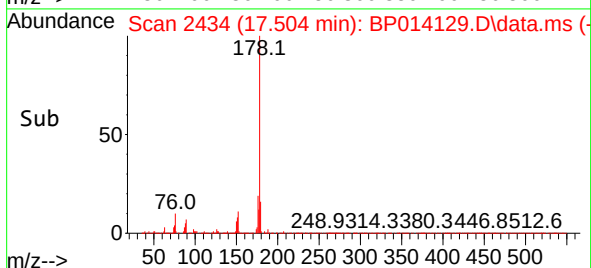
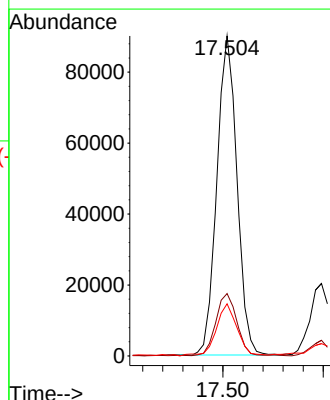
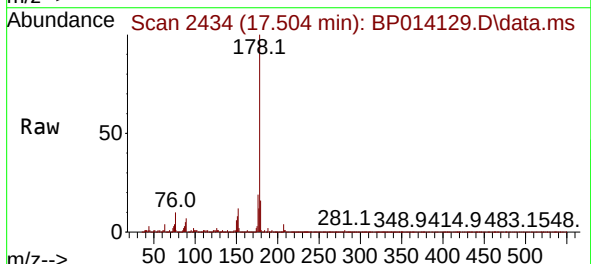
Tgt Ion:178 Resp: 125150

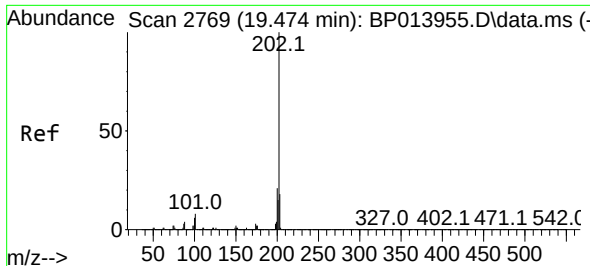
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

179 16.3 12.6 19.0

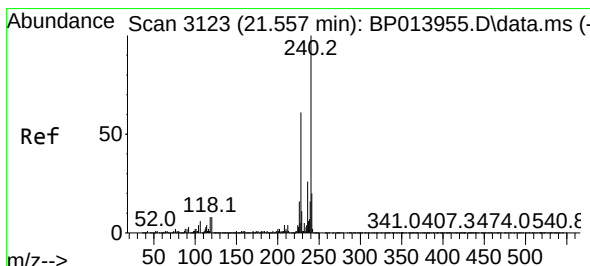
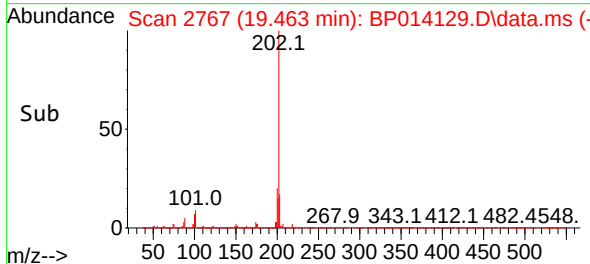
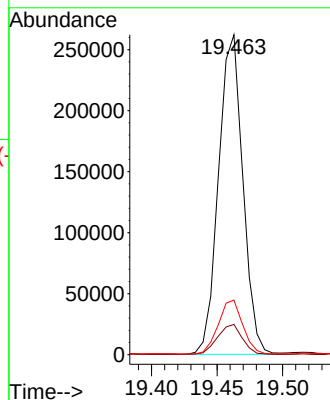
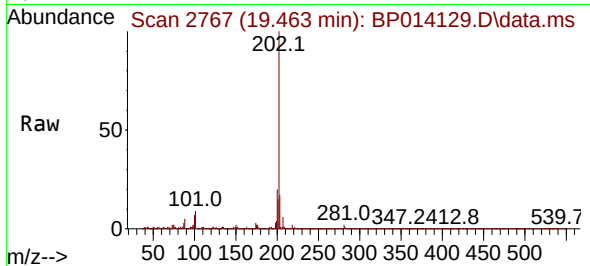




#75
Fluoranthene
Concen: 7.084 ng
RT: 19.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

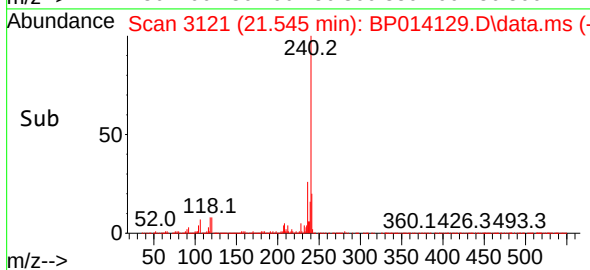
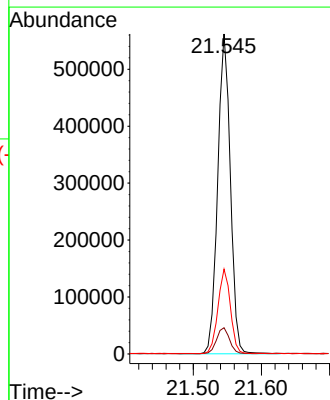
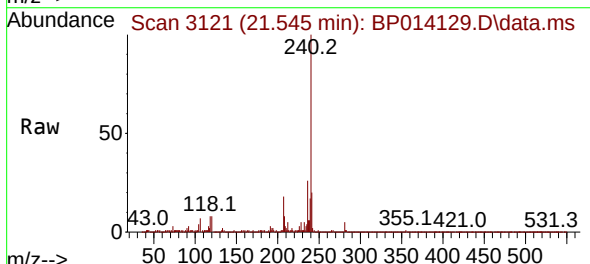
Instrument :
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ClientSampleId :
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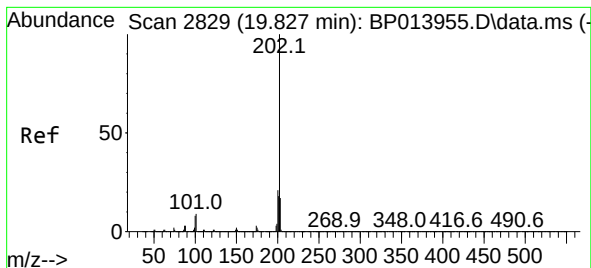
Tgt Ion:202 Resp: 337560
Ion Ratio Lower Upper
202 100
101 9.4 0.0 27.9
203 17.0 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.545 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

Tgt Ion:240 Resp: 724643
Ion Ratio Lower Upper
240 100
120 8.2 6.4 9.6
236 26.5 21.2 31.8





#78

Pyrene

Concen: 6.218 ng

RT: 19.816 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BP014129.D

Acq: 17 Mar 2023 19:54

Instrument :

BNA_P

ClientSampleId :

UNION-2

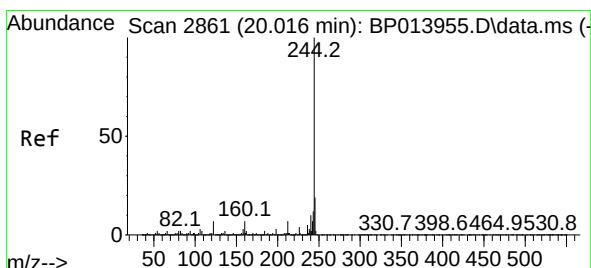
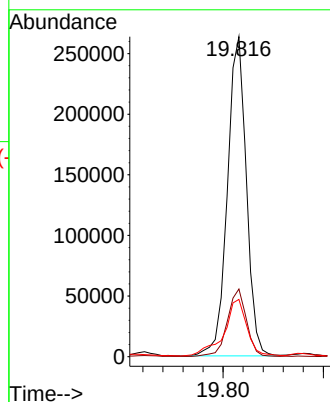
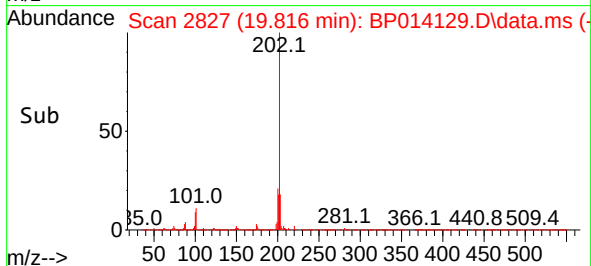
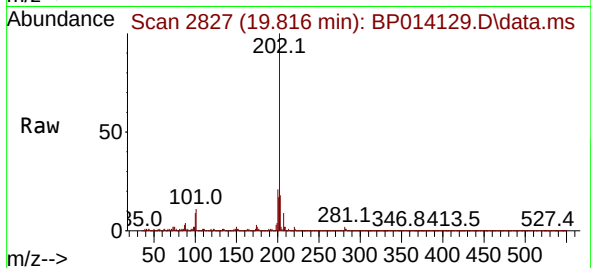
Tgt Ion:202 Resp: 345834

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 17.9 13.9 20.9



#79

Terphenyl-d14

Concen: 51.296 ng

RT: 20.004 min Scan# 2859

Delta R.T. -0.000 min

Lab File: BP014129.D

Acq: 17 Mar 2023 19:54

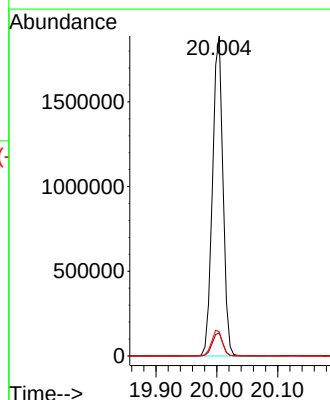
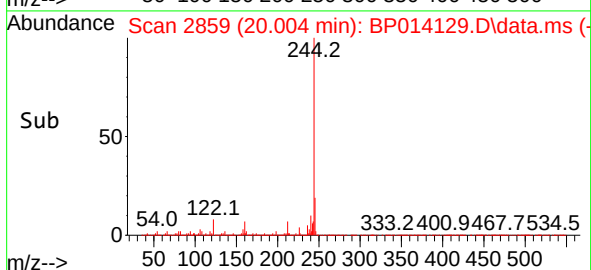
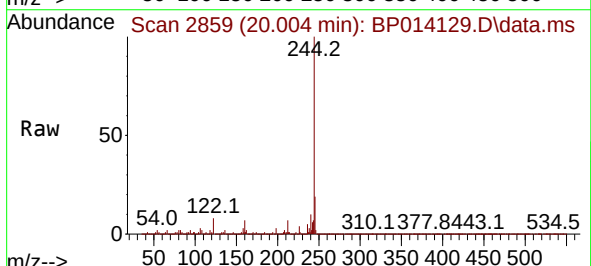
Tgt Ion:244 Resp: 2254223

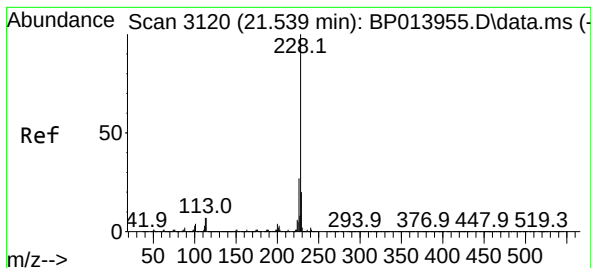
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 7.5 5.8 8.6





#81

Benzo(a)anthracene

Concen: 3.343 ng

RT: 21.527 min Scan# 3118

Delta R.T. -0.006 min

Lab File: BP014129.D

Acq: 17 Mar 2023 19:54

Instrument :

BNA_P

ClientSampleId :

UNION-2

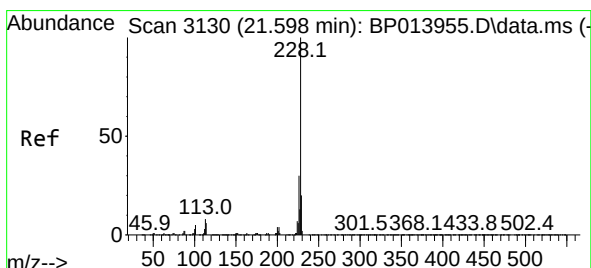
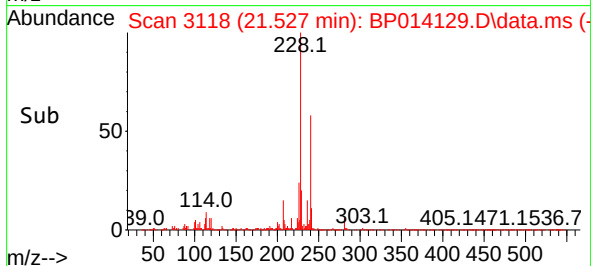
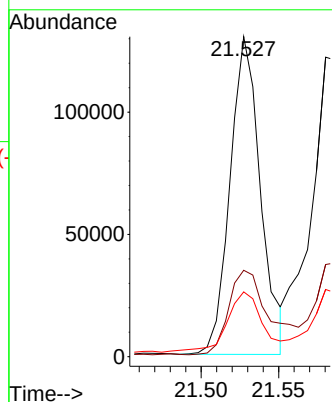
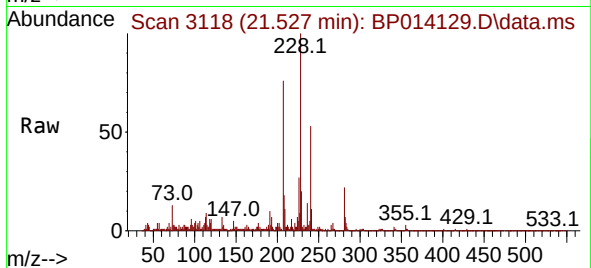
Tgt Ion:228 Resp: 177747

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.8

229 20.3 15.8 23.6



#83

Chrysene

Concen: 3.856 ng

RT: 21.580 min Scan# 3127

Delta R.T. -0.012 min

Lab File: BP014129.D

Acq: 17 Mar 2023 19:54

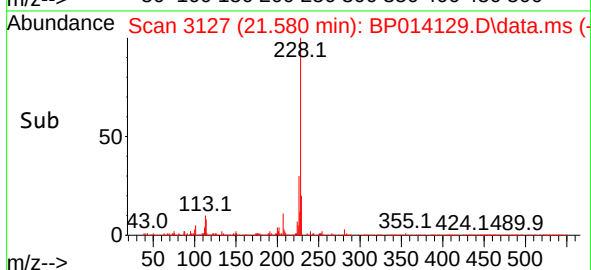
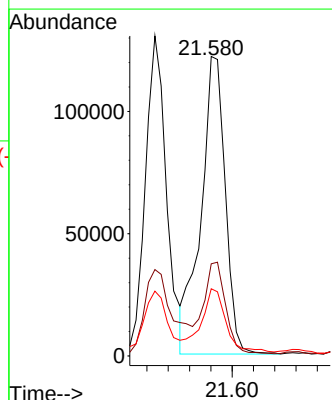
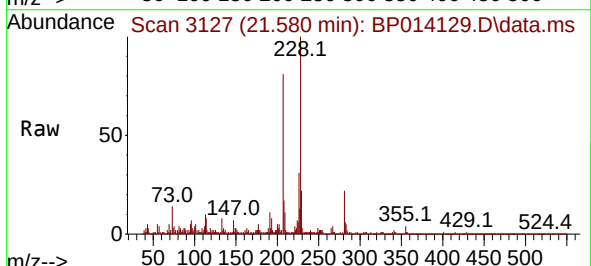
Tgt Ion:228 Resp: 194169

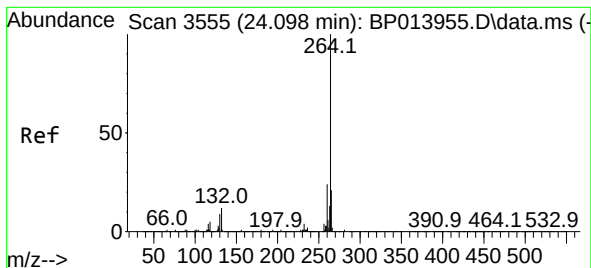
Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.4

229 22.4 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.080 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP014129.D

Acq: 17 Mar 2023 19:54

Instrument :

BNA_P

ClientSampleId :

UNION-2

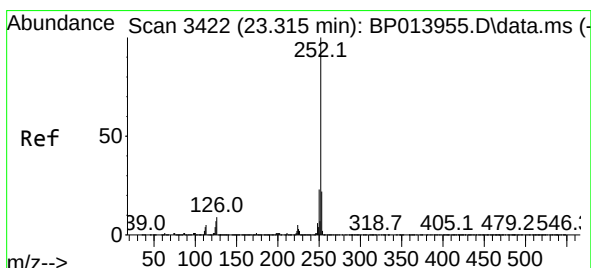
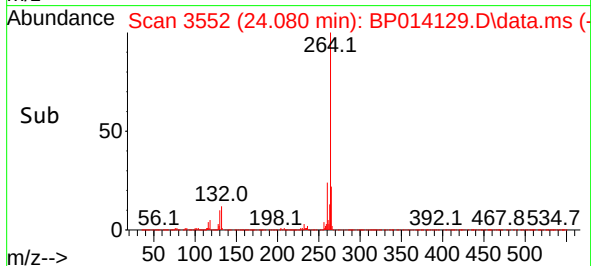
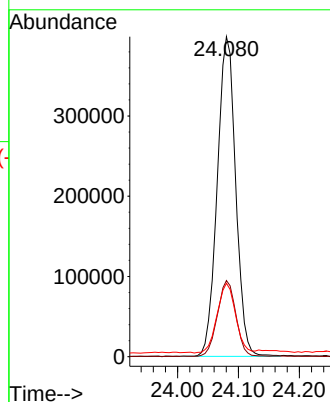
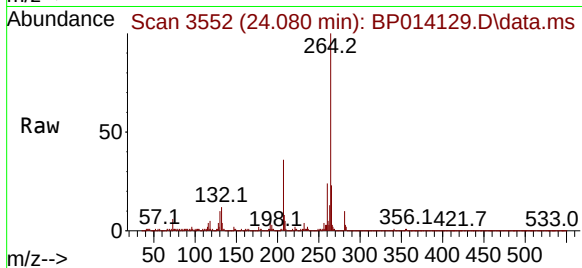
Tgt Ion:264 Resp: 838201

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 22.9 17.8 26.8



#88

Benzo(b)fluoranthene

Concen: 4.123 ng

RT: 23.304 min Scan# 3420

Delta R.T. -0.006 min

Lab File: BP014129.D

Acq: 17 Mar 2023 19:54

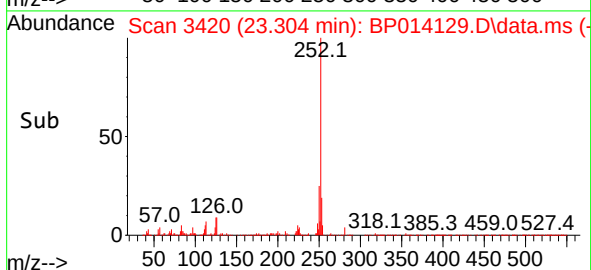
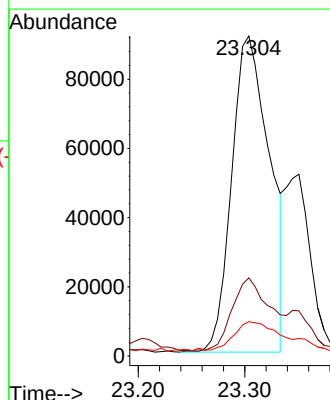
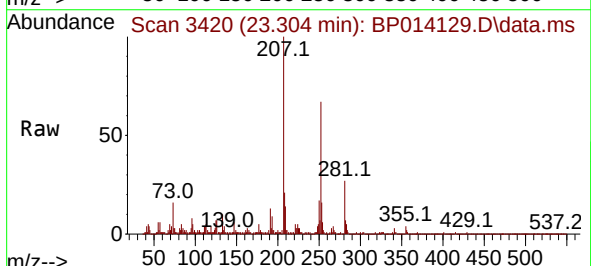
Tgt Ion:252 Resp: 226293

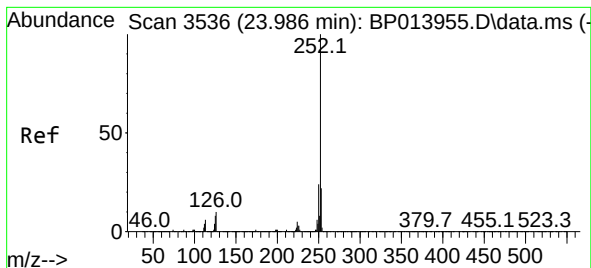
Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 10.7 5.6 8.4#





#90

Benzo(a)pyrene

Concen: 3.300 ng

RT: 23.963 min Scan# 3

Delta R.T. -0.012 min

Lab File: BP014129.D

Acq: 17 Mar 2023 19:54

Instrument :

BNA_P

ClientSampleId :

UNION-2

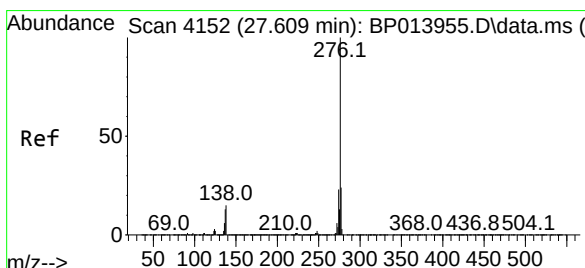
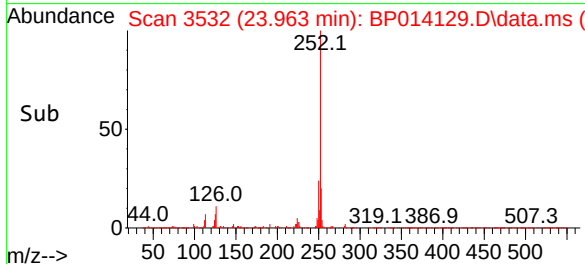
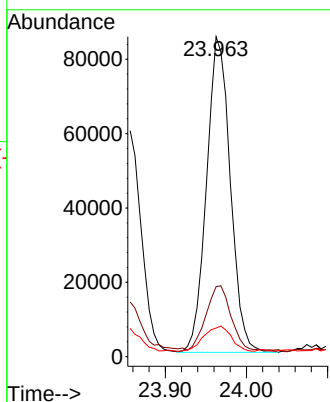
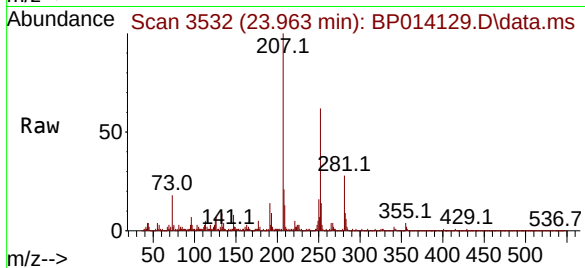
Tgt Ion:252 Resp: 172776

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 9.0 6.2 9.4



#92

Benzo(g,h,i)perylene

Concen: 2.295 ng

RT: 27.568 min Scan# 4145

Delta R.T. -0.018 min

Lab File: BP014129.D

Acq: 17 Mar 2023 19:54

Tgt Ion:276 Resp: 122449

Ion Ratio Lower Upper

276 100

277 27.0 19.4 29.0

138 15.9 12.2 18.4

