

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)

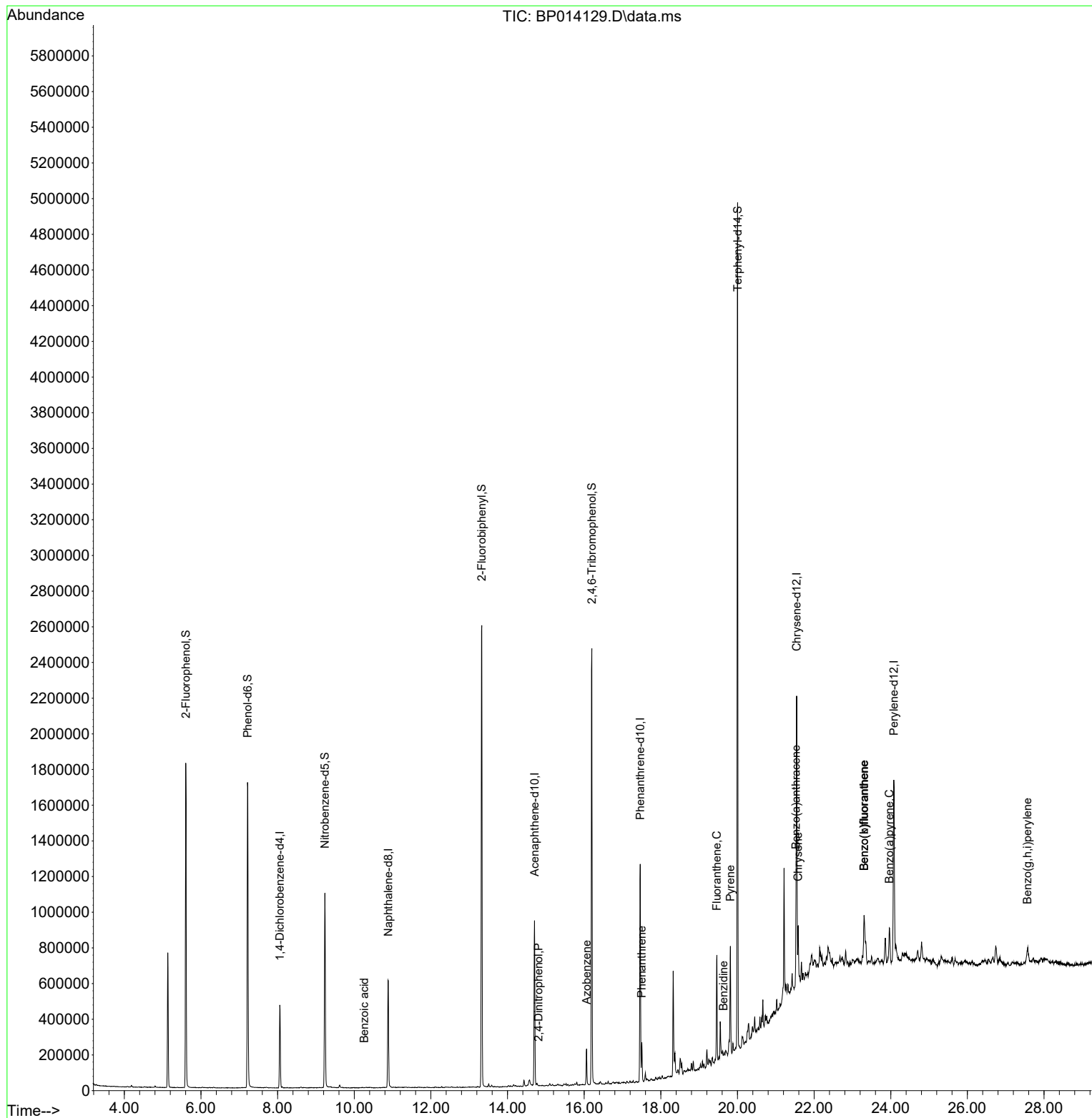
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.058	152	121332	20.000	ng	0.00
21) Naphthalene-d8	10.887	136	493779	20.000	ng	0.00
39) Acenaphthene-d10	14.704	164	312298	20.000	ng	0.00
64) Phenanthrene-d10	17.463	188	713640	20.000	ng	0.00
76) Chrysene-d12	21.545	240	724643	20.000	ng	0.00
86) Perylene-d12	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	
32) Benzoic acid	10.263	122	149	2.723	ng	# 1
54) 2,4-Dinitrophenol	14.810	184	20	3.083	ng	# 1
63) Azobenzene	16.063	77	56470	2.399	ng	# 1
71) Phenanthrene	17.504	178	125150	3.139	ng	99
75) Fluoranthene	19.463	202	337560	7.084	ng	98
77) Benzidine	19.633	184	256	2.849	ng	# 1
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
89) Benzo(k)fluoranthene	23.304	252	226293	4.158	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

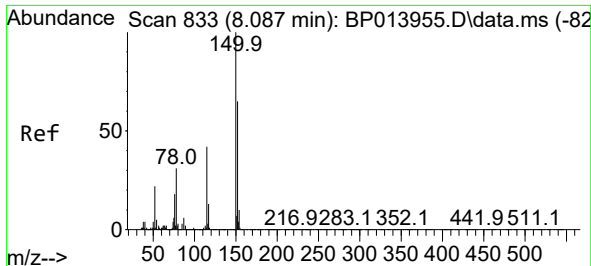
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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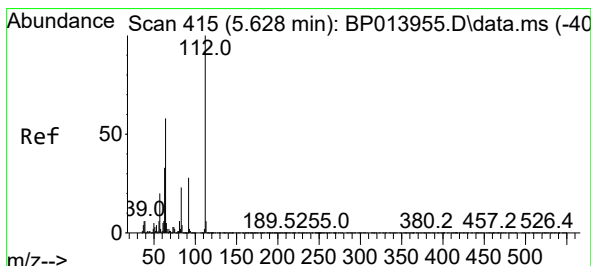
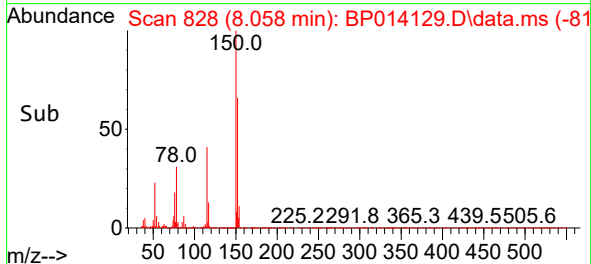
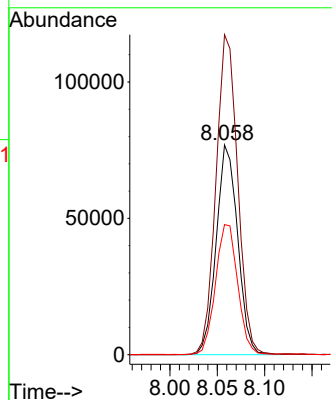
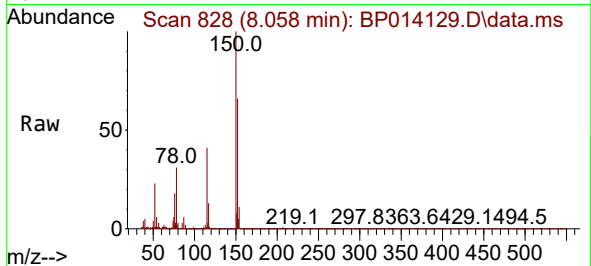




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.058 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

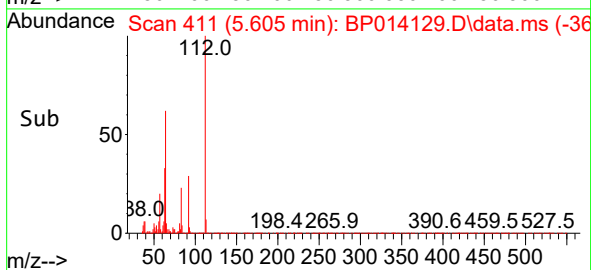
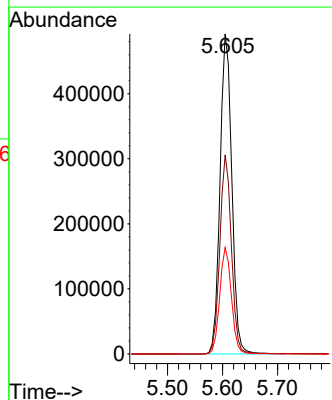
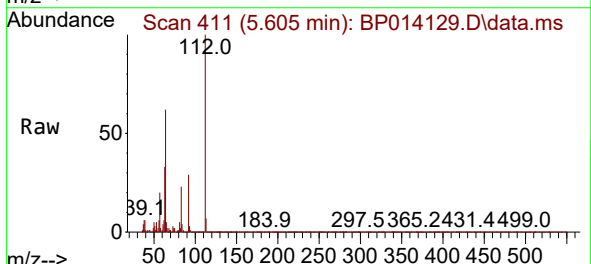
Instrument :
BNA_P
ClientSampleId :
UNION-2

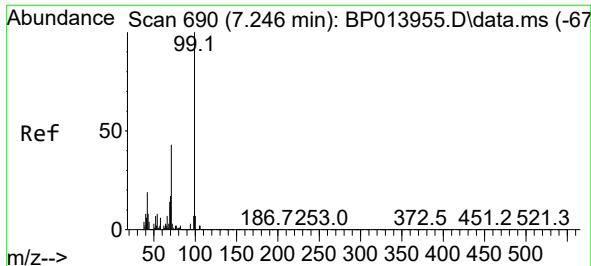
Tgt Ion:152 Resp: 121332
Ion Ratio Lower Upper
152 100
150 152.6 122.3 183.5
115 62.0 51.6 77.4



#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

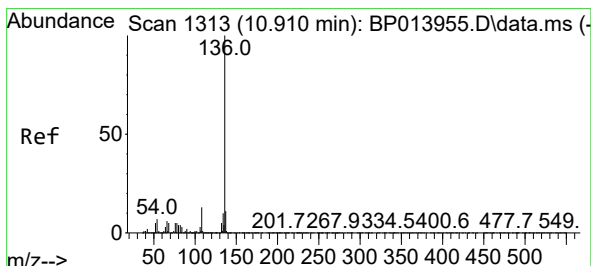
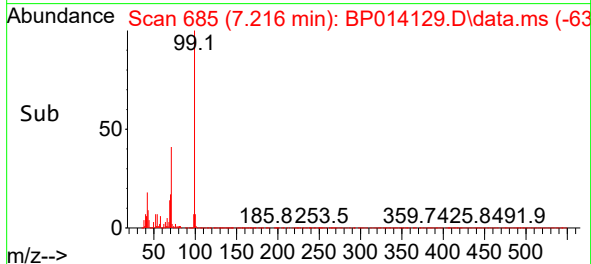
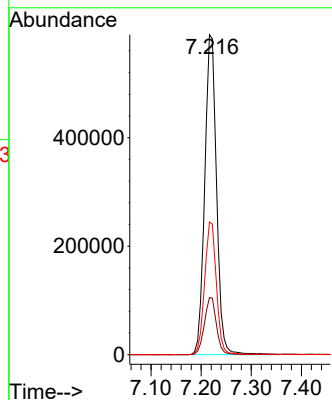
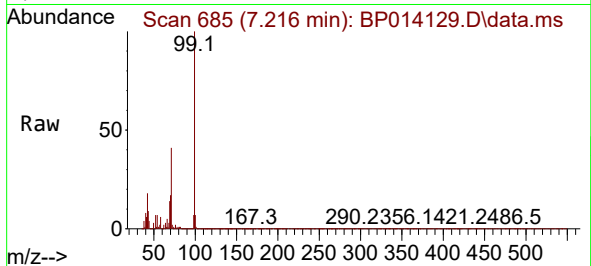




#7
Phenol-d6
Concen: 98.457 ng
RT: 7.216 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

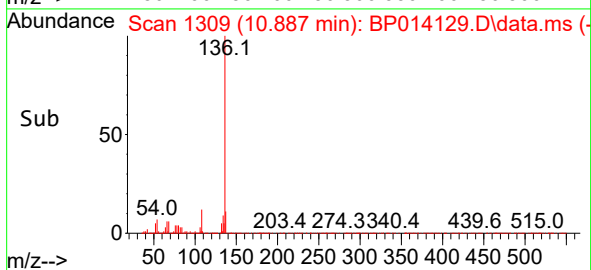
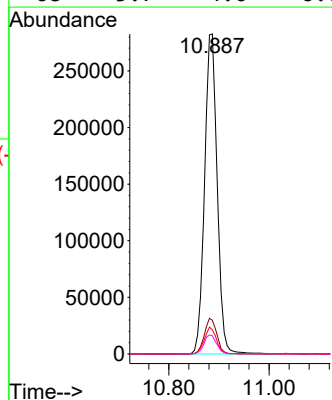
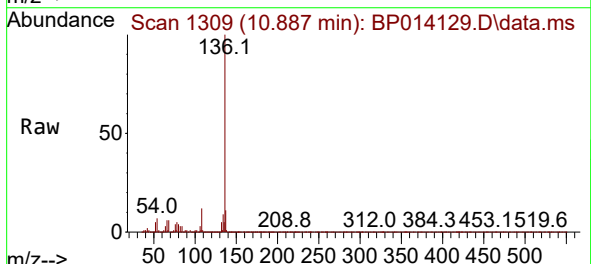
Instrument :
BNA_P
ClientSampleId :
UNION-2

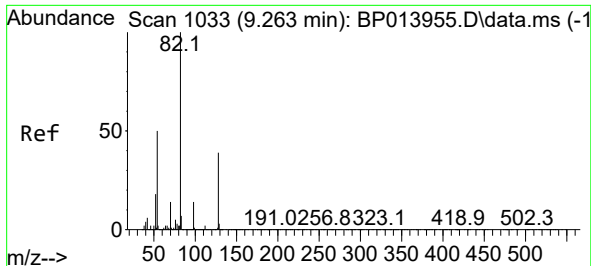
Tgt Ion: 99 Resp: 967116
Ion Ratio Lower Upper
99 100
42 17.9 15.0 22.6
71 41.5 34.3 51.5



#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

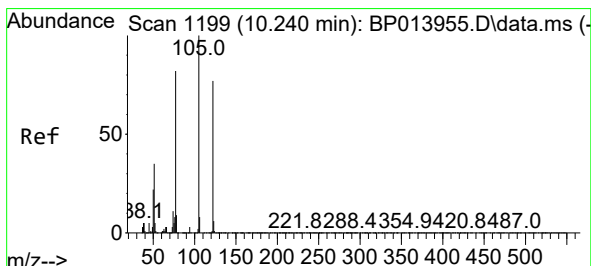
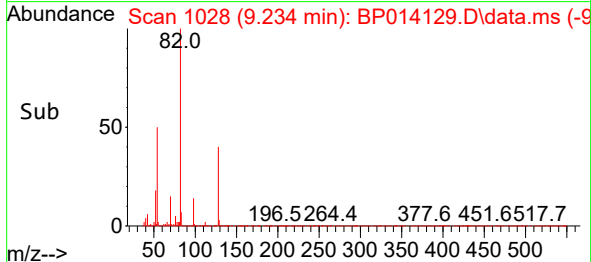
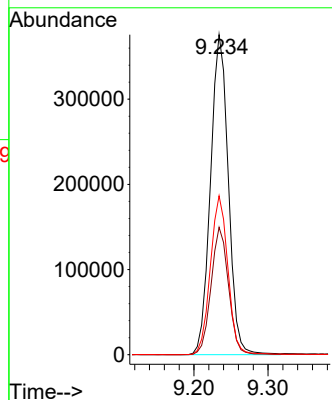
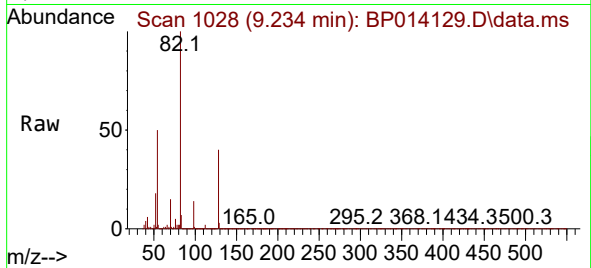




#23
Nitrobenzene-d5
Concen: 58.152 ng
RT: 9.234 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

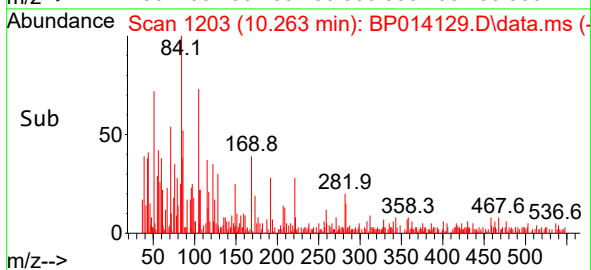
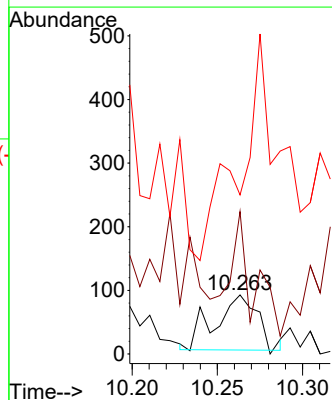
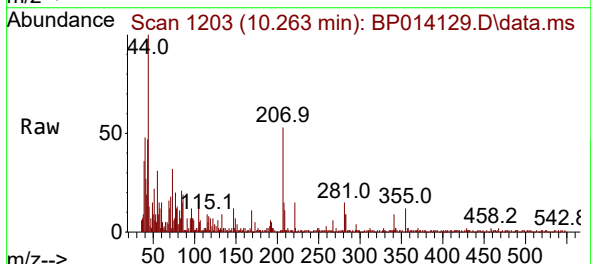
Instrument :
BNA_P
ClientSampleId :
UNION-2

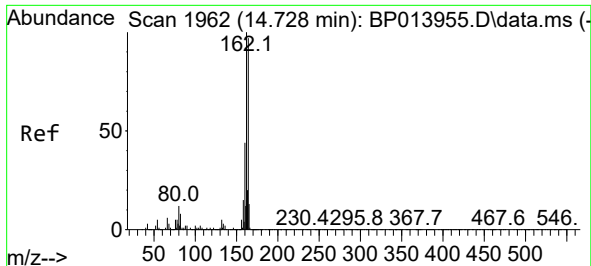
Tgt Ion: 82 Resp: 628246
Ion Ratio Lower Upper
82 100
128 39.8 31.1 46.7
54 49.7 40.0 60.0



#32
Benzoic acid
Concen: 2.723 ng
RT: 10.263 min Scan# 1203
Delta R.T. 0.035 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

Tgt Ion: 122 Resp: 149
Ion Ratio Lower Upper
122 100
105 240.9 108.2 148.2#
77 268.8 85.2 125.2#

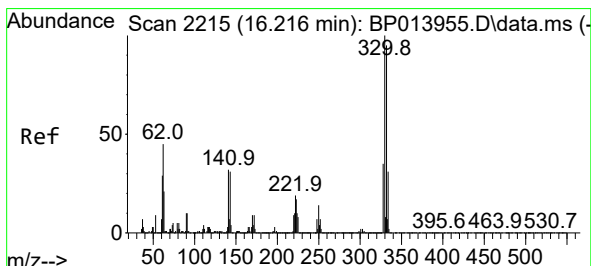
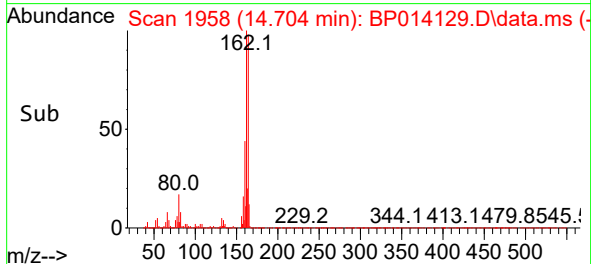
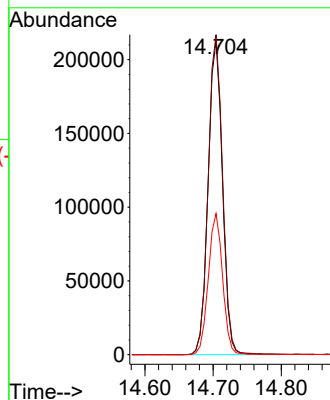
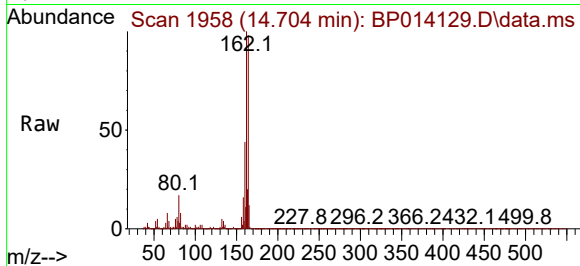




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.704 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

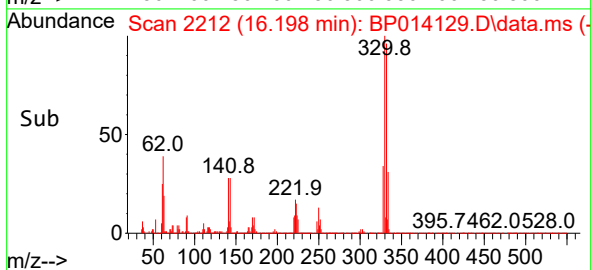
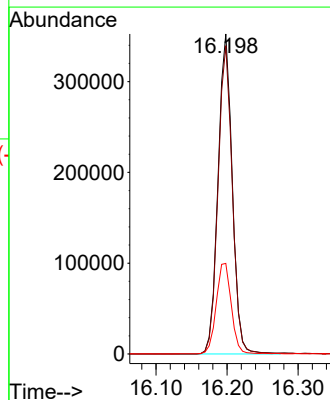
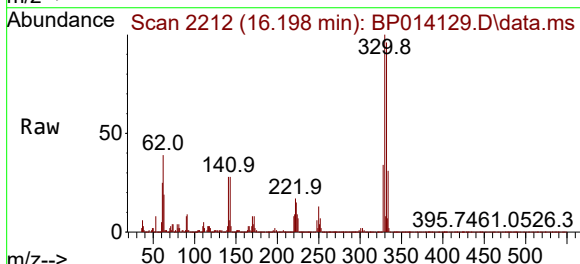
Instrument :
BNA_P
ClientSampleId :
UNION-2

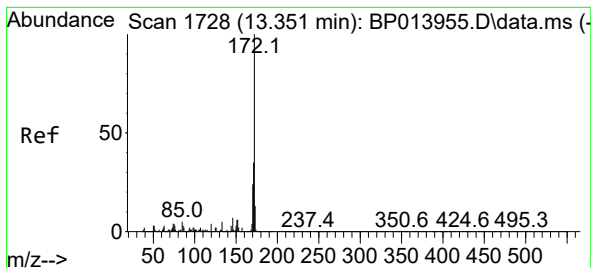
Tgt Ion:164 Resp: 312298
Ion Ratio Lower Upper
164 100
162 102.0 82.1 123.1
160 44.9 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 96.579 ng
RT: 16.198 min Scan# 2212
Delta R.T. -0.006 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

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# 1

Delta R.T. -0.006 min

Lab File: BP014129.D

Acq: 17 Mar 2023 19:54

Instrument :

BNA_P

ClientSampleId :

UNION-2

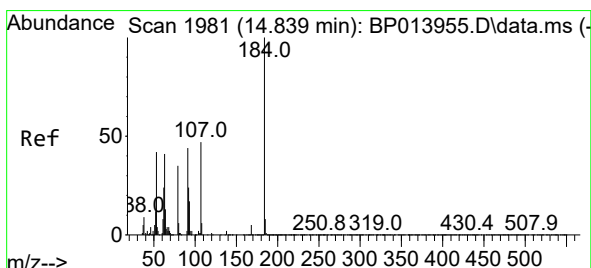
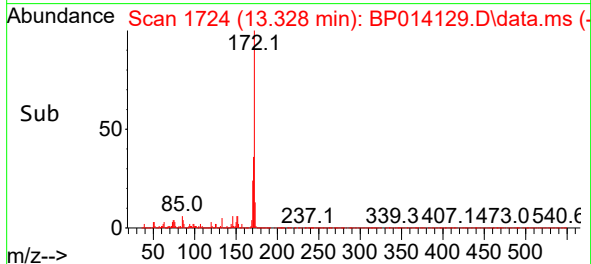
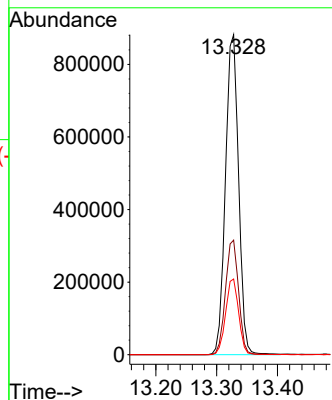
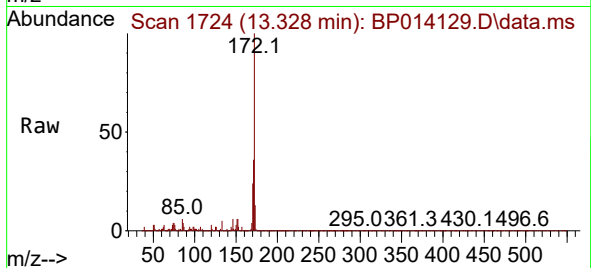
Tgt Ion:172 Resp: 1319624

Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.6 19.0 28.4



#54

2,4-Dinitrophenol

Concen: 3.083 ng

RT: 14.810 min Scan# 1976

Delta R.T. -0.012 min

Lab File: BP014129.D

Acq: 17 Mar 2023 19:54

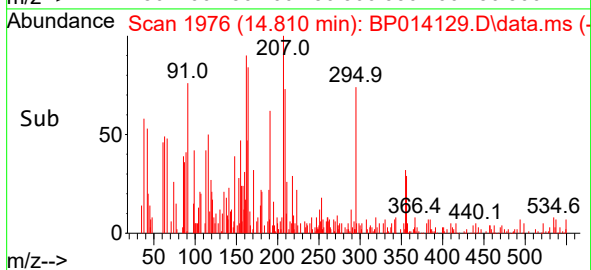
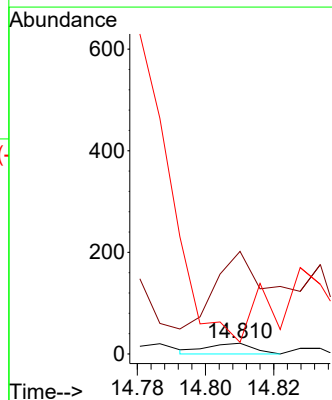
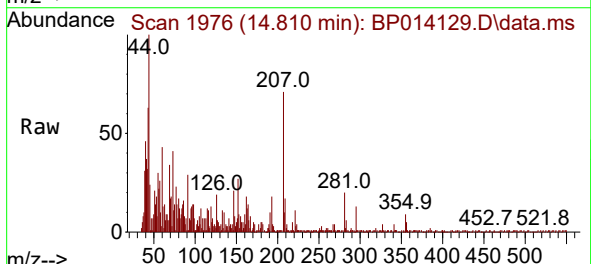
Tgt Ion:184 Resp: 20

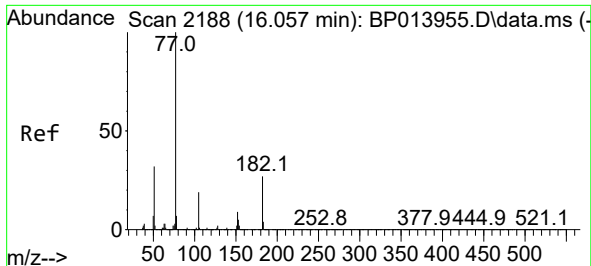
Ion Ratio Lower Upper

184 100

63 961.9 52.4 78.6#

154 109.5 59.4 89.2#

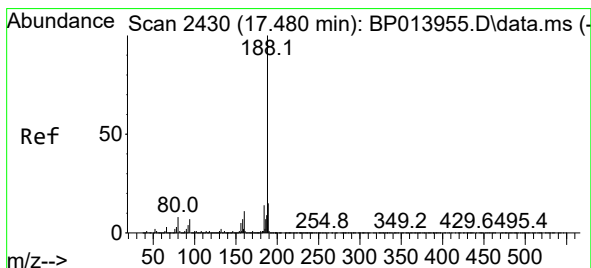
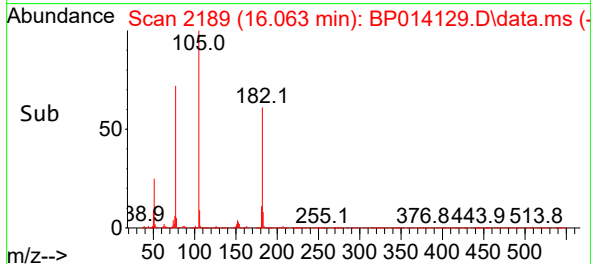
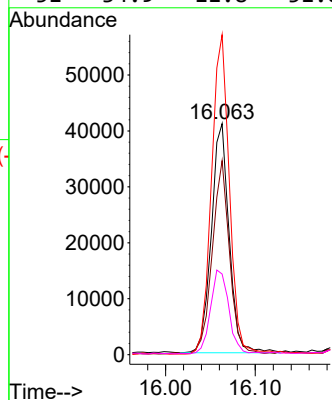
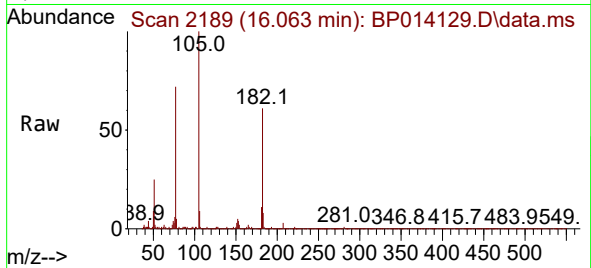




#63
Azobenzene
Concen: 2.399 ng
RT: 16.063 min Scan# 2188
Delta R.T. 0.023 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

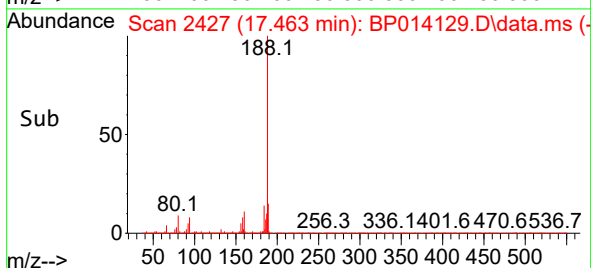
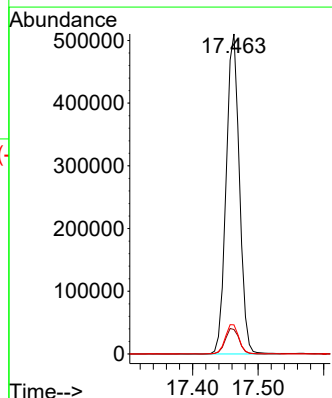
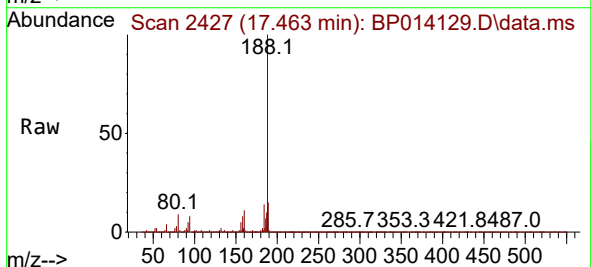
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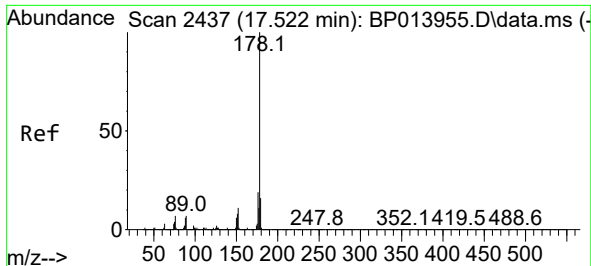
Tgt Ion: 77 Resp: 56470
Ion Ratio Lower Upper
77 100
182 84.0 6.9 46.9#
105 138.5 0.0 39.4#
51 34.9 11.8 51.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.463 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

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

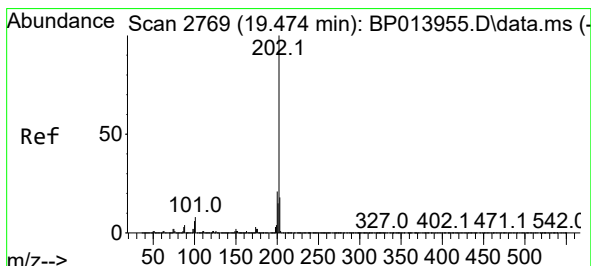
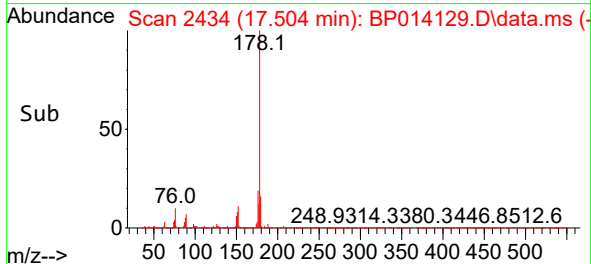
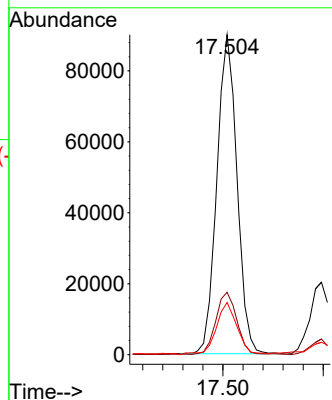
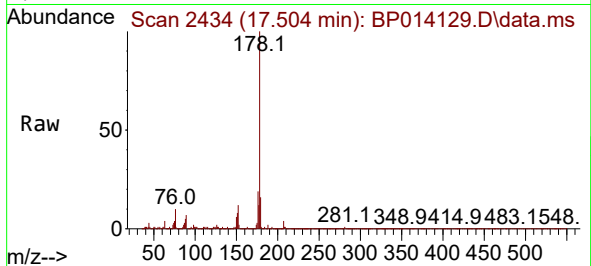




#71
Phenanthrene
Concen: 3.139 ng
RT: 17.504 min Scan# 2437
Delta R.T. -0.006 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

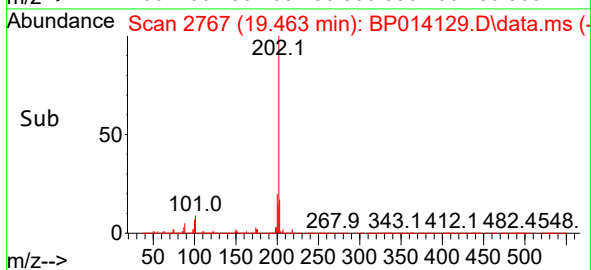
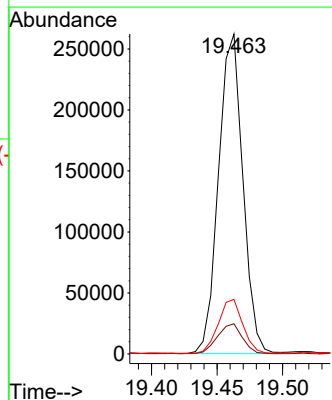
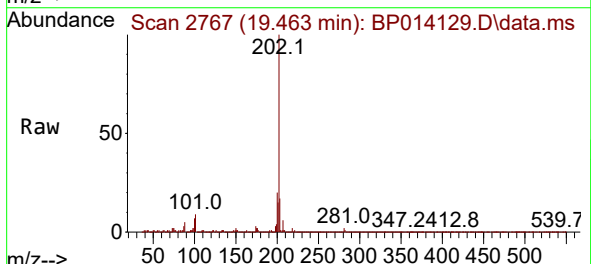
Instrument :
BNA_P
ClientSampleId :
UNION-2

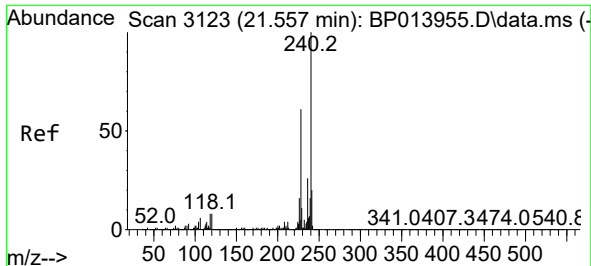
Tgt Ion:178 Resp: 125150
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 16.3 12.6 19.0



#75
Fluoranthene
Concen: 7.084 ng
RT: 19.463 min Scan# 2767
Delta R.T. -0.000 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

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

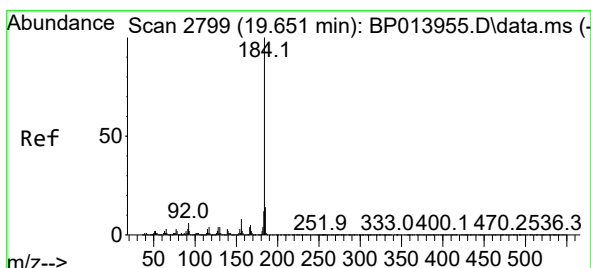
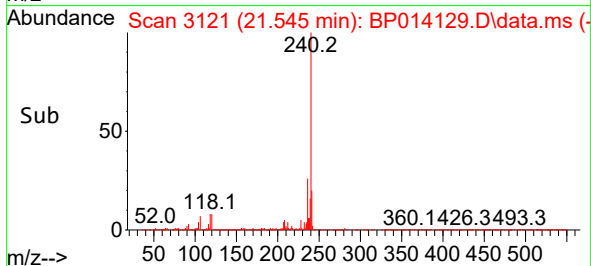
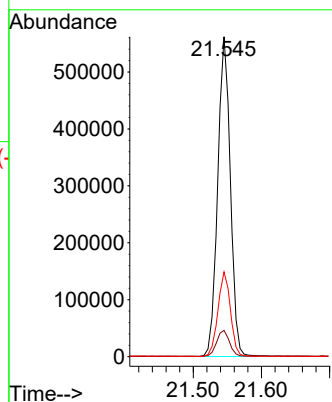
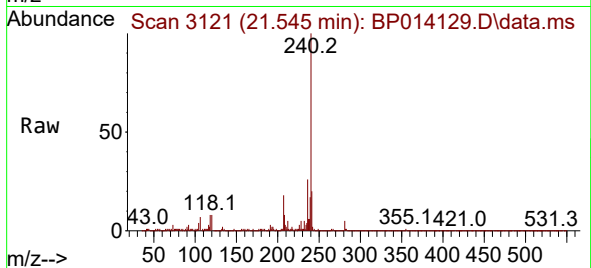




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.545 min Scan# 3123
Delta R.T. -0.006 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

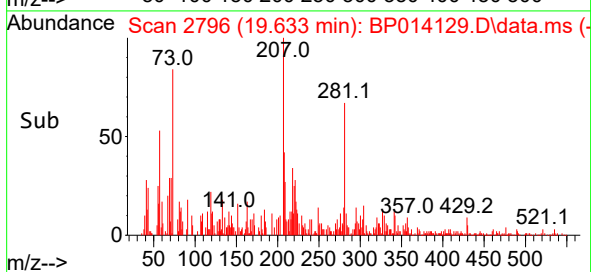
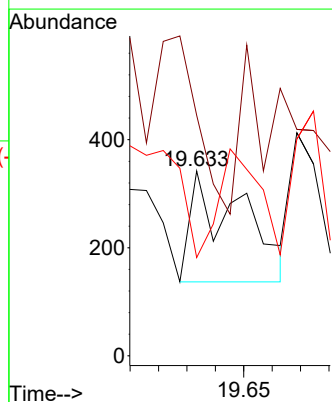
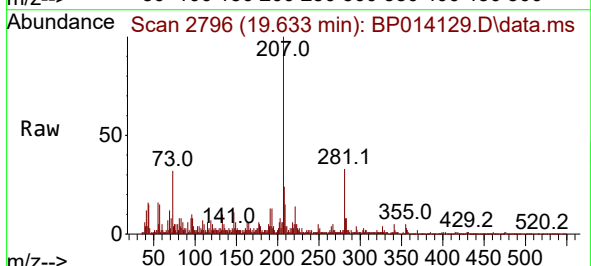
Instrument :
BNA_P
ClientSampleId :
UNION-2

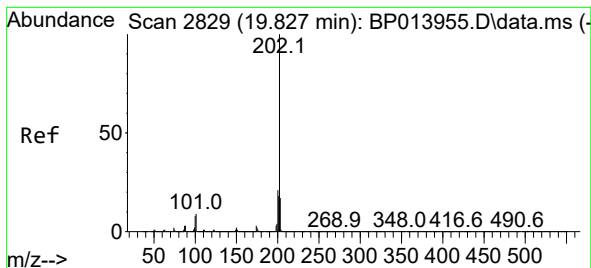
Tgt Ion:240 Resp: 724643
Ion Ratio Lower Upper
240 100
120 8.2 6.4 9.6
236 26.5 21.2 31.8



#77
Benzidine
Concen: 2.849 ng
RT: 19.633 min Scan# 2796
Delta R.T. -0.012 min
Lab File: BP014129.D
Acq: 17 Mar 2023 19:54

Tgt Ion:184 Resp: 256
Ion Ratio Lower Upper
184 100
185 130.1 11.6 17.4#
183 53.2 9.7 14.5#





#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

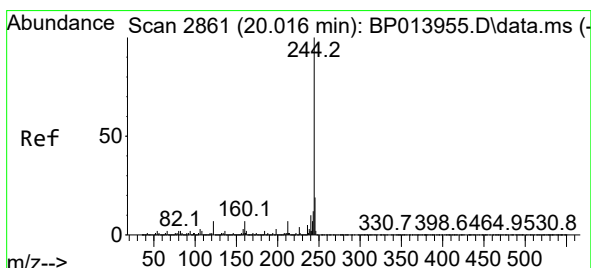
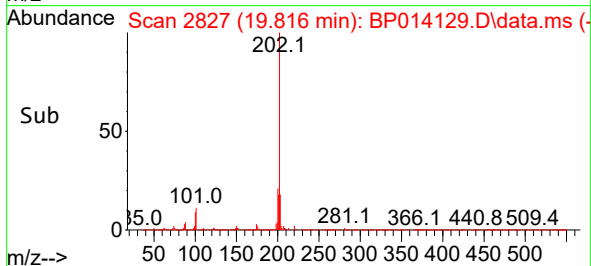
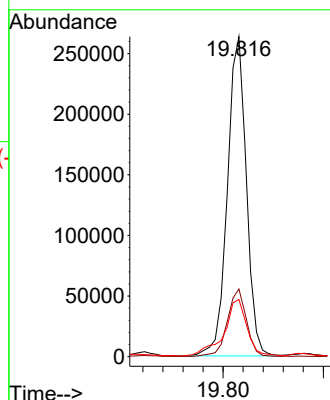
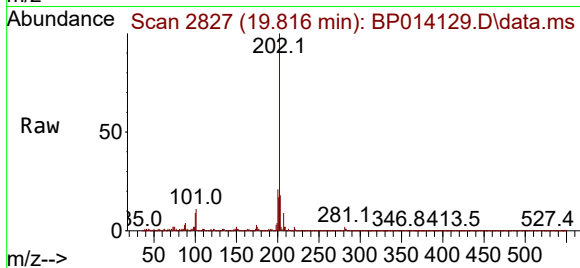
Tgt Ion:202 Resp: 345834

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

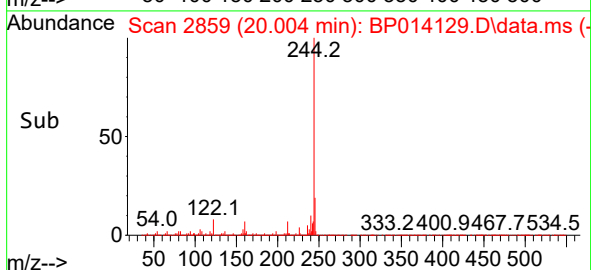
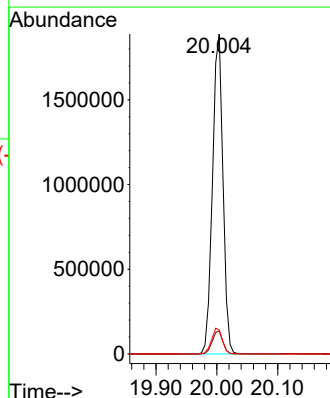
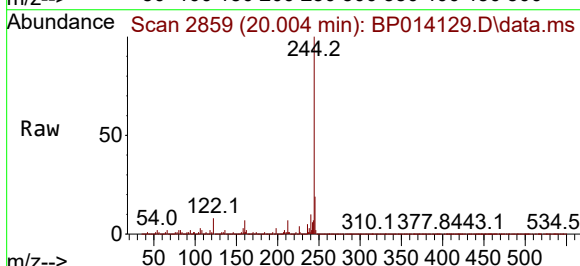
Tgt Ion:244 Resp: 2254223

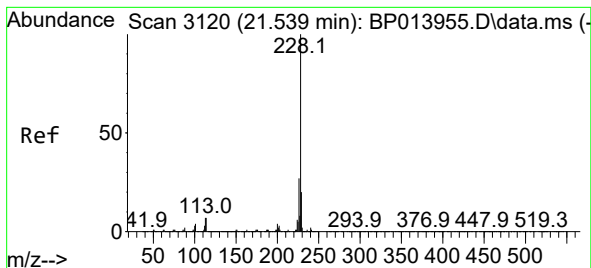
Ion Ratio Lower Upper

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

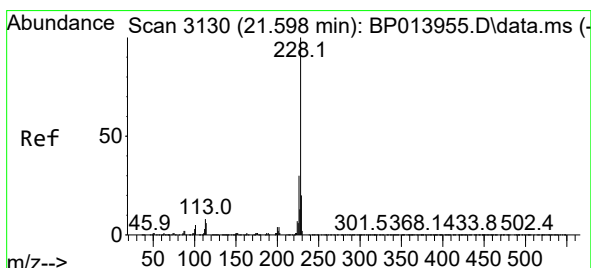
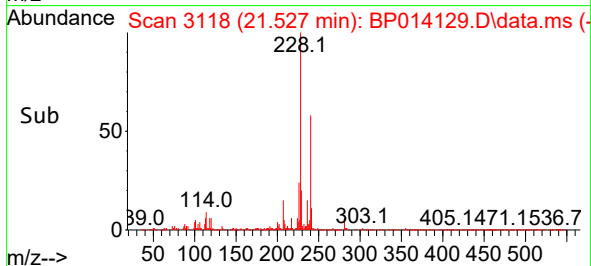
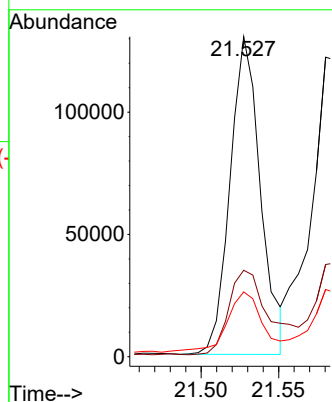
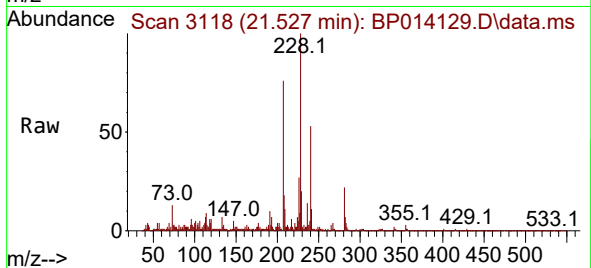
Tgt Ion:228 Resp: 177747

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

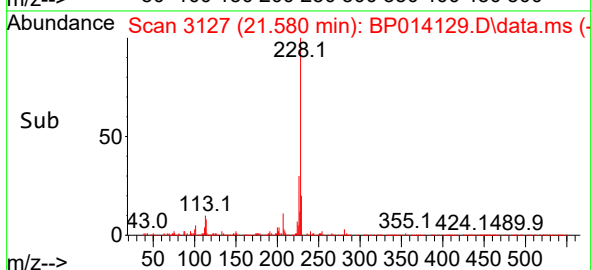
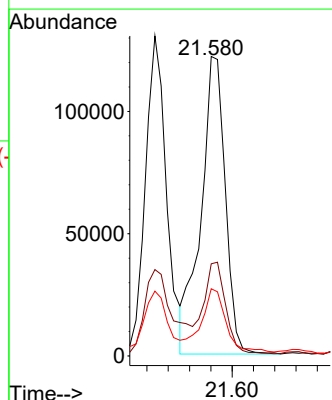
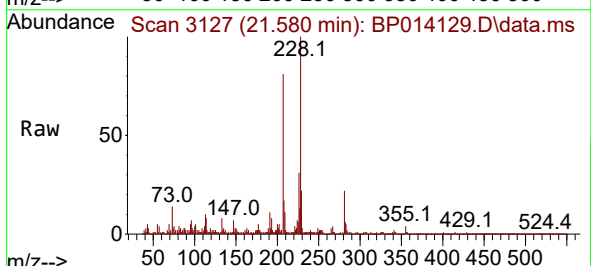
Tgt Ion:228 Resp: 194169

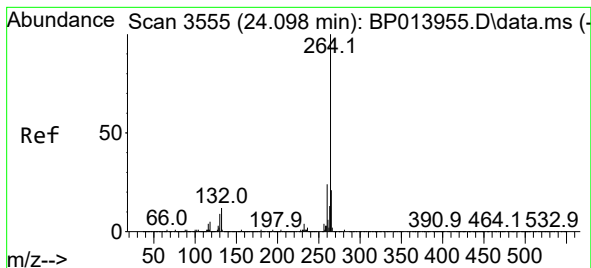
Ion Ratio Lower Upper

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

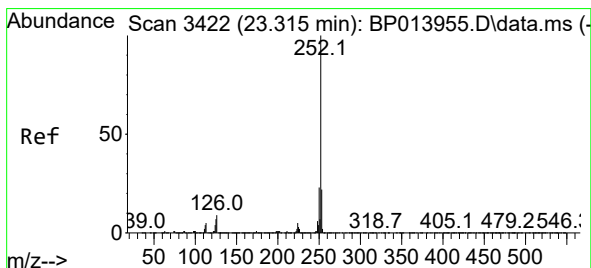
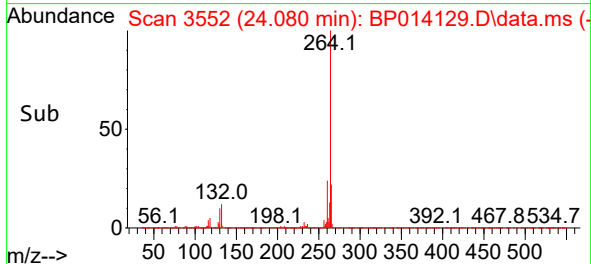
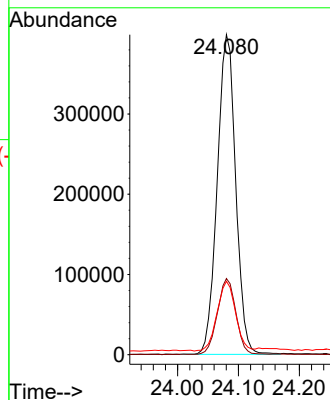
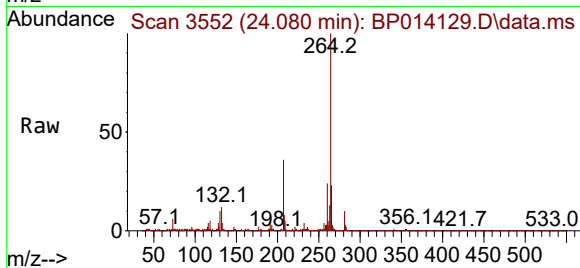
Tgt Ion:264 Resp: 838201

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

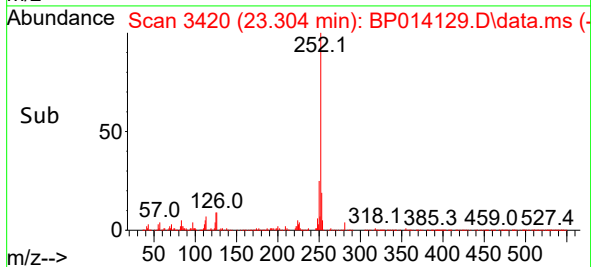
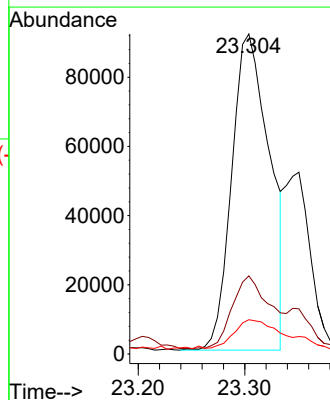
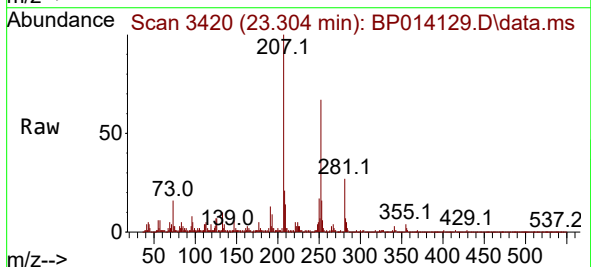
Tgt Ion:252 Resp: 226293

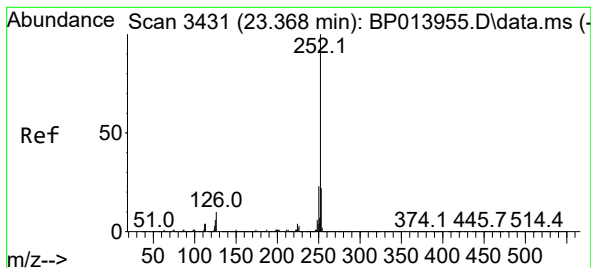
Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 10.7 5.6 8.4#





#89

Benzo(k)fluoranthene

Concen: 4.158 ng

RT: 23.304 min Scan# 34

Delta R.T. -0.059 min

Lab File: BP014129.D

Acq: 17 Mar 2023 19:54

Instrument :

BNA_P

ClientSampleId :

UNION-2

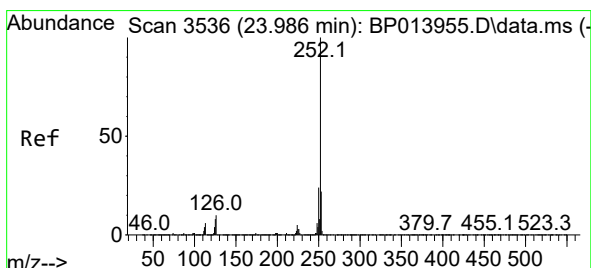
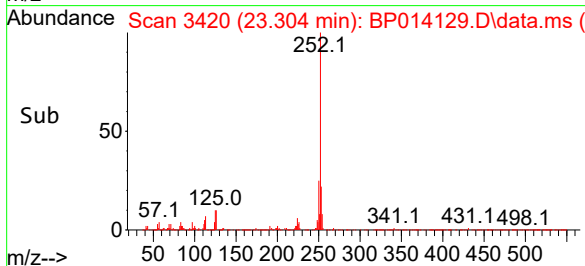
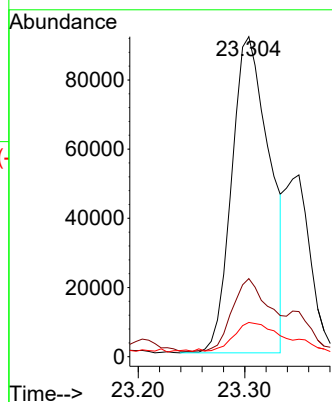
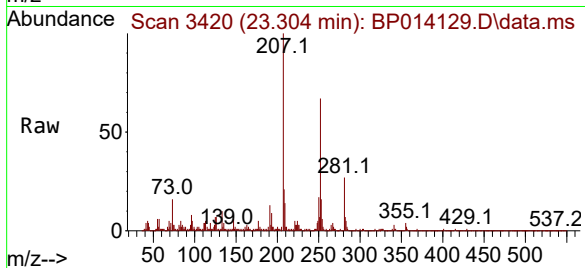
Tgt Ion:252 Resp: 226293

Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.0

125 10.7 5.4 8.0#



#90

Benzo(a)pyrene

Concen: 3.300 ng

RT: 23.963 min Scan# 3532

Delta R.T. -0.012 min

Lab File: BP014129.D

Acq: 17 Mar 2023 19:54

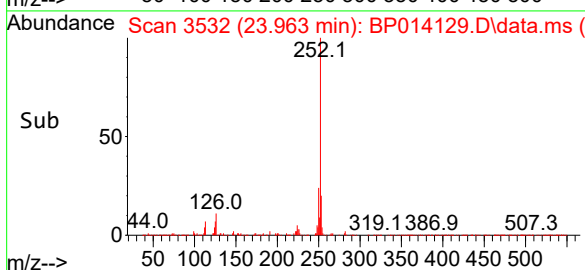
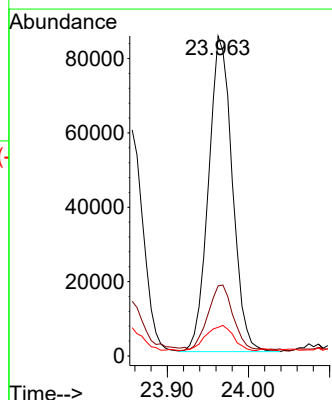
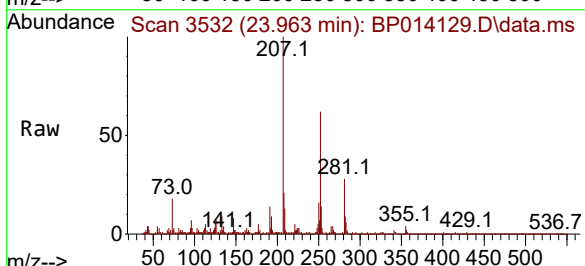
Tgt Ion:252 Resp: 172776

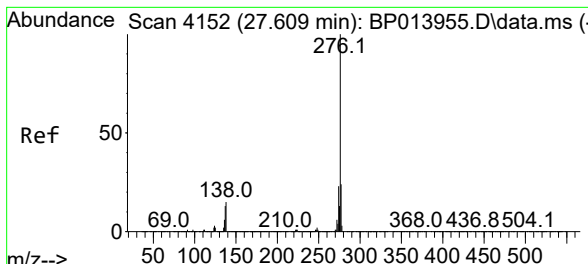
Ion Ratio Lower Upper

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# 41
 Delta R.T. -0.018 min
 Lab File: BP014129.D
 Acq: 17 Mar 2023 19:54

Instrument :
 BNA_P
 ClientSampleId :
 UNION-2

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

